

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
 Data File : VW005753.D
 Acq On : 02 Oct 2018 00:13
 Operator : SY/AP
 Sample : J5180-20
 Misc : 4.01G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JLC29

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\SOM2WLM092818S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	64	74	86	rBV	29161	69874	0.12%	0.010%
2	2.501	92	98	110	rBV	33968	100729	0.18%	0.014%
3	4.007	333	345	357	rBV2	64259	214959	0.38%	0.030%
4	4.135	357	366	384	rVB	107782	311798	0.55%	0.044%
5	4.915	482	494	510	rBV2	19497	72703	0.13%	0.010%
6	5.793	622	638	649	rBV	26885	88246	0.16%	0.012%
7	6.903	809	820	830	rBV2	25385	73574	0.13%	0.010%
8	7.086	842	850	856	rVV	31709	88633	0.16%	0.012%
9	7.177	856	865	878	rVV2	50372	168584	0.30%	0.024%
10	7.647	933	942	960	rVB	108145	267375	0.47%	0.037%
11	8.281	1035	1046	1061	rBV2	177980	584796	1.03%	0.082%
12	8.848	1131	1139	1149	rVB	204111	401177	0.71%	0.056%
13	9.281	1198	1210	1224	rBV2	140091	305418	0.54%	0.043%
14	9.415	1224	1232	1245	rVB	42944	88598	0.16%	0.012%
15	10.036	1328	1334	1339	rBV	51861	92592	0.16%	0.013%
16	10.329	1375	1382	1387	rBV	187214	344247	0.61%	0.048%
17	10.390	1387	1392	1404	rVB	71732	140983	0.25%	0.020%
18	10.774	1447	1455	1463	rBV6	53699	130911	0.23%	0.018%
19	10.859	1463	1469	1474	rVB3	52345	104433	0.18%	0.015%
20	10.933	1474	1481	1489	rBV3	156196	333842	0.59%	0.047%
21	11.042	1489	1499	1500	rBV5	60744	114345	0.20%	0.016%
22	11.073	1500	1504	1508	rVV2	80675	125308	0.22%	0.018%
23	11.231	1524	1530	1536	rBV	275621	502740	0.89%	0.070%
24	11.286	1536	1539	1543	rBV2	71659	106317	0.19%	0.015%
25	11.341	1543	1548	1551	rBV5	108981	168733	0.30%	0.024%
26	11.384	1551	1555	1558	rBV	156491	268271	0.47%	0.038%
27	11.518	1572	1577	1581	rBV	269582	492952	0.87%	0.069%
28	11.634	1587	1596	1600	rBV2	325804	817465	1.44%	0.114%
29	11.701	1600	1607	1610	rVV	317627	583349	1.03%	0.082%
30	11.737	1610	1613	1616	rVV	289463	409297	0.72%	0.057%
31	11.768	1616	1618	1622	rVB2	190815	237473	0.42%	0.033%
32	11.847	1622	1631	1633	rBV3	515276	1220399	2.16%	0.171%
33	11.878	1633	1636	1641	rVB	551496	862815	1.52%	0.121%
34	11.981	1648	1653	1655	rBV4	210883	378521	0.67%	0.053%

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 Title : VOC Analysis

35	12.012	1655	1658	1661	rBV	92156	152783	0.27%	0.021%
36	12.073	1664	1668	1672	rBV3	453813	714344	1.26%	0.100%
37	12.146	1674	1680	1682	rBV3	937011	1679440	2.97%	0.235%
38	12.256	1691	1698	1703	rVB	1344215	2740753	4.84%	0.383%
39	12.341	1703	1712	1714	rBV4	1389162	2945672	5.21%	0.412%
40	12.420	1722	1725	1728	rBV3	229399	342672	0.61%	0.048%
41	12.487	1729	1736	1738	rBV6	1145039	2411178	4.26%	0.337%
42	12.548	1744	1746	1748	rVB	488150	402093	0.71%	0.056%
43	12.597	1748	1754	1761	rVB2	3216522	6067307	10.72%	0.848%
44	12.658	1761	1764	1768	rVB	1404008	1597809	2.82%	0.223%
45	12.707	1768	1772	1777	rVB4	810475	1347067	2.38%	0.188%
46	12.762	1777	1781	1782	rBV	1092635	1380974	2.44%	0.193%
47	12.871	1792	1799	1802	rBV	4041292	7108987	12.56%	0.994%
48	12.908	1802	1805	1807	rVV	2508756	3705916	6.55%	0.518%
49	12.951	1807	1812	1819	rVB2	8524708	16192269	28.61%	2.264%
50	13.109	1830	1838	1845	rBV	10779508	21581933	38.14%	3.018%
51	13.176	1845	1849	1852	rBV2	1919114	2964550	5.24%	0.415%
52	13.255	1857	1862	1867	rVV	13095866	21080329	37.25%	2.948%
53	13.304	1867	1870	1875	rVB	1813588	2655846	4.69%	0.371%
54	13.359	1875	1879	1881	rBV2	1010417	1581328	2.79%	0.221%
55	13.420	1886	1889	1891	rBV	1138603	1545674	2.73%	0.216%
56	13.450	1891	1894	1898	rVB2	3559623	4904385	8.67%	0.686%
57	13.499	1898	1902	1905	rBV2	2311898	3514839	6.21%	0.492%
58	13.530	1905	1907	1910	rVB	1515521	1544466	2.73%	0.216%
59	13.597	1910	1918	1923	rBV	16387432	29733354	52.54%	4.158%
60	13.731	1934	1940	1942	rBV	11205821	18562108	32.80%	2.596%
61	13.761	1942	1945	1948	rVV2	17308172	27027518	47.76%	3.779%
62	13.798	1948	1951	1961	rVB2	23312081	40721931	71.96%	5.695%
63	13.889	1961	1966	1971	rBV2	7049929	11334615	20.03%	1.585%
64	13.957	1972	1977	1982	rVV	7563460	12589659	22.25%	1.761%
65	14.024	1982	1988	1990	rVV	13654693	22478771	39.72%	3.143%
66	14.054	1990	1993	1997	rVV	12936618	18623453	32.91%	2.604%
67	14.109	1997	2002	2007	rVV	29597959	45439882	80.30%	6.354%
68	14.170	2009	2012	2014	rVV	2803128	3871172	6.84%	0.541%
69	14.213	2014	2019	2025	rVB2	15918811	27680523	48.91%	3.871%
70	14.280	2025	2030	2036	rVB5	2032938	4522402	7.99%	0.632%
71	14.347	2036	2041	2047	rBV2	8244661	15213514	26.88%	2.127%

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72	14.432	2047	2055	2058	rVV	13590606	26507979	46.84%	3.707%
73	14.469	2058	2061	2065	rVV	22055721	32140778	56.79%	4.495%
74	14.511	2065	2068	2072	rVV	13240476	18975817	33.53%	2.654%
75	14.554	2072	2075	2082	rVB	6740821	9427985	16.66%	1.318%
76	14.615	2082	2085	2087	rBV	1114335	1421494	2.51%	0.199%
77	14.651	2087	2091	2095	rVV	6441272	8896078	15.72%	1.244%
78	14.700	2095	2099	2102	rVV	10580702	17433013	30.81%	2.438%
79	14.737	2102	2105	2110	rVB2	12696534	19371741	34.23%	2.709%
80	14.816	2110	2118	2123	rBV4	22459599	56591015	100.00%	7.914%
81	14.865	2123	2126	2132	rVB2	7440201	12234456	21.62%	1.711%
82	14.969	2139	2143	2150	rBV2	1538964	3013938	5.33%	0.421%
83	15.042	2150	2155	2156	rBV2	1998497	2876563	5.08%	0.402%
84	15.078	2156	2161	2172	rVV2	11529916	30989349	54.76%	4.334%
85	15.188	2173	2179	2186	rVB2	8313618	18870201	33.34%	2.639%
86	15.340	2198	2204	2208	rBV3	3317799	6667997	11.78%	0.932%
87	15.432	2214	2219	2222	rBV3	715140	1329477	2.35%	0.186%
88	15.481	2222	2227	2232	rVV	3602828	7131419	12.60%	0.997%
89	15.535	2232	2236	2238	rVV3	2506552	4494096	7.94%	0.628%
90	15.566	2238	2241	2250	rVB2	4114377	6984988	12.34%	0.977%
91	15.670	2250	2258	2265	rBV	4289589	9088265	16.06%	1.271%
92	15.743	2266	2270	2275	rVV	760156	1302813	2.30%	0.182%
93	15.834	2276	2285	2297	rVV3	2323396	7573195	13.38%	1.059%
94	15.962	2301	2306	2311	rVB	947361	1723475	3.05%	0.241%
95	16.041	2311	2319	2325	rBV2	1463164	3431300	6.06%	0.480%
96	16.182	2334	2342	2347	rBV5	581077	1566067	2.77%	0.219%
97	16.304	2357	2362	2367	rVB	382238	605782	1.07%	0.085%
98	16.450	2381	2386	2391	rBV2	758147	1525915	2.70%	0.213%
99	16.511	2391	2396	2402	rVB	1157961	2056789	3.63%	0.288%
100	16.657	2412	2420	2432	rVB2	899297	2644190	4.67%	0.370%

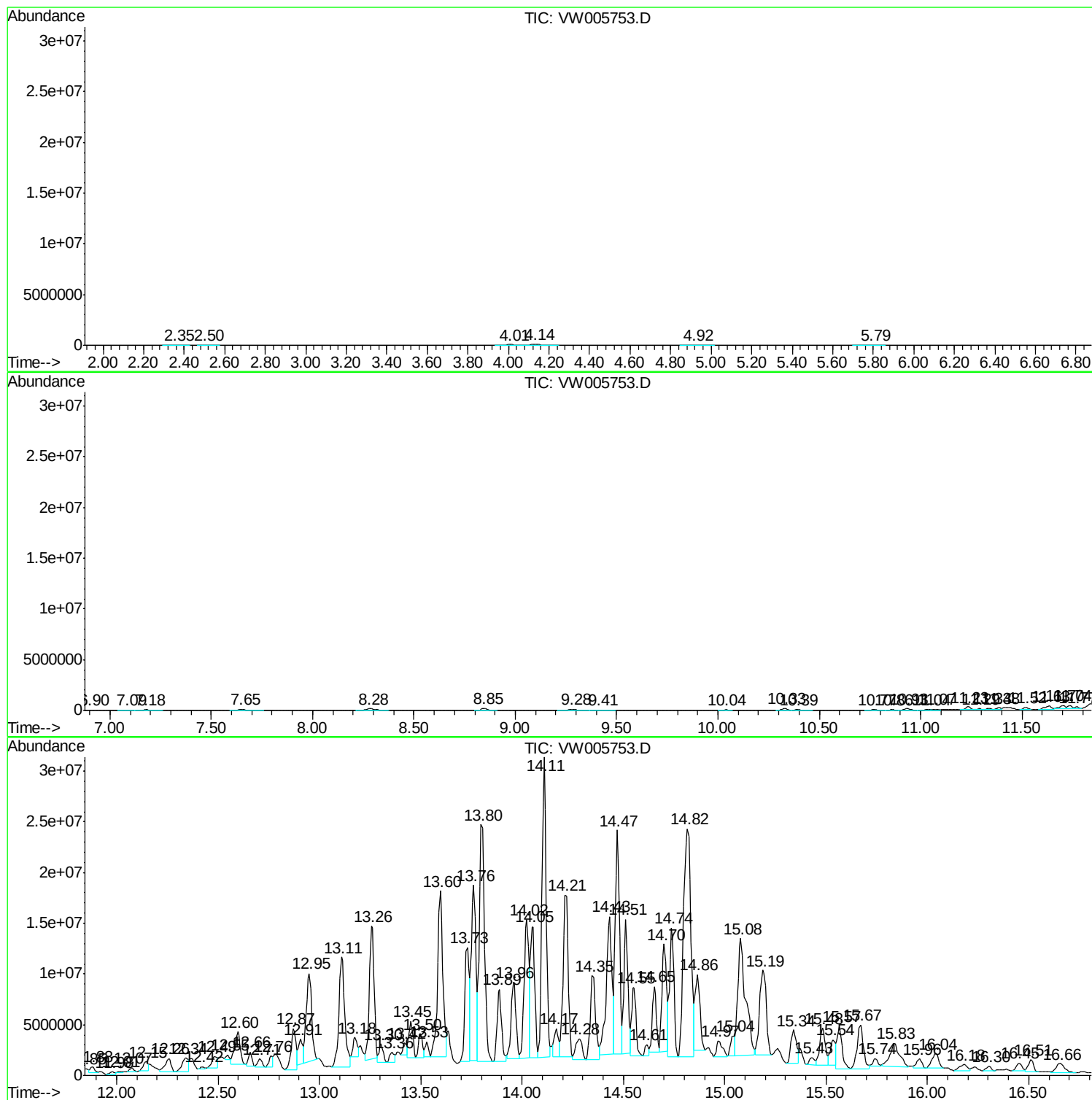
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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



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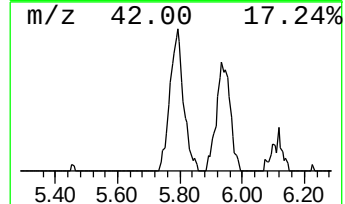
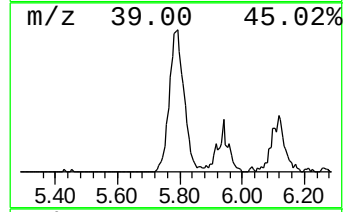
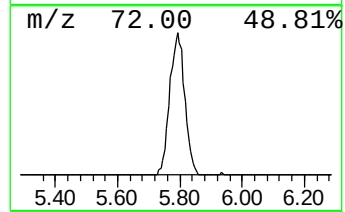
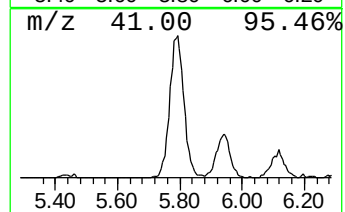
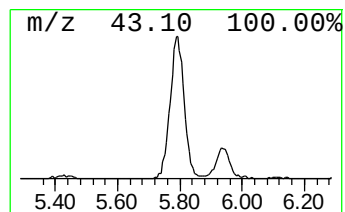
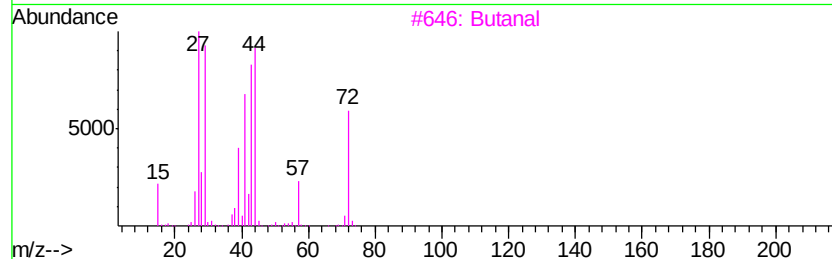
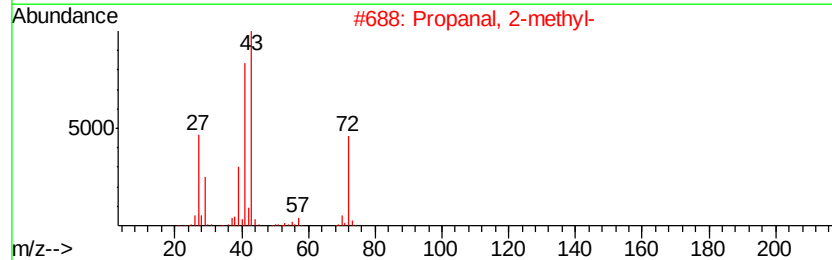
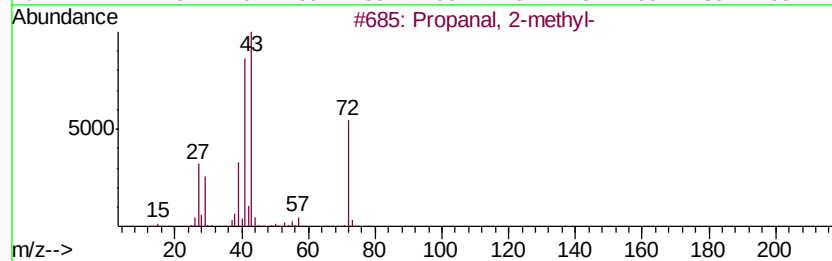
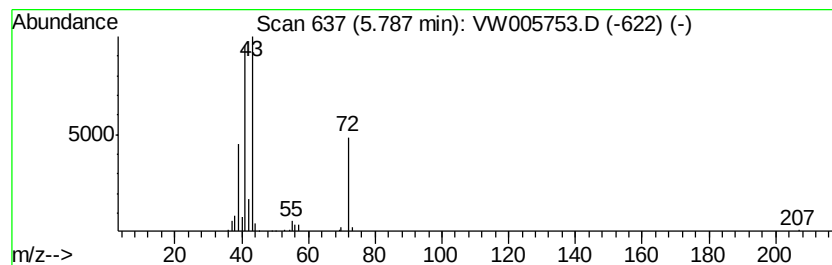
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 2 Propanal, 2-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.79	5.50 ug/L	88246	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
2		Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
3		Butanal	72	C4H8O	000123-72-8	64
4		Methacrolein	70	C4H6O	000078-85-3	43
5		Propane, 1-nitro-	89	C3H7NO2	000108-03-2	40



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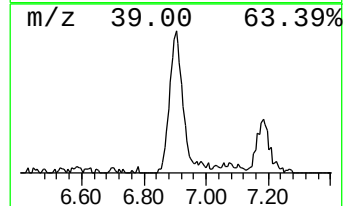
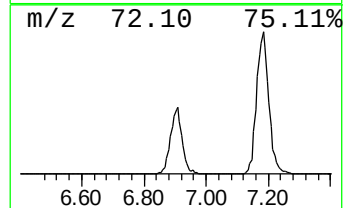
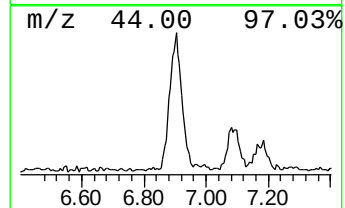
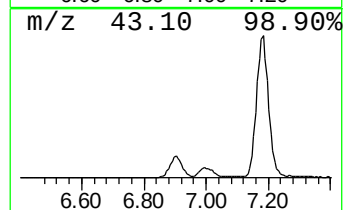
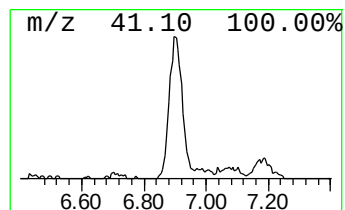
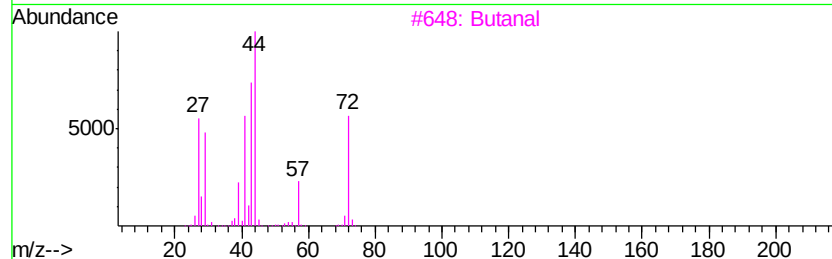
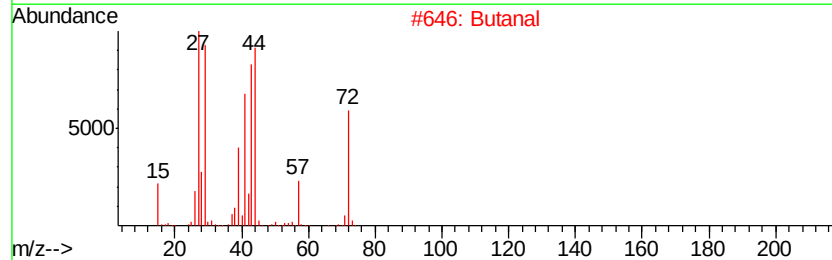
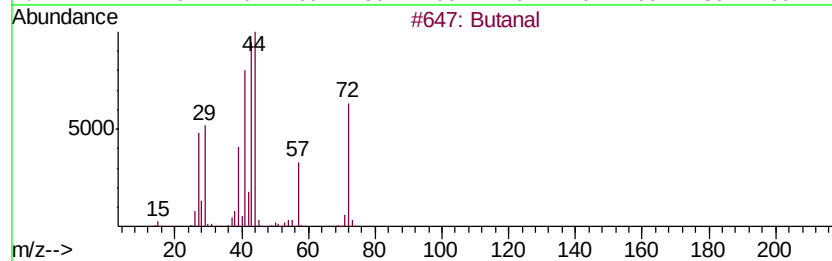
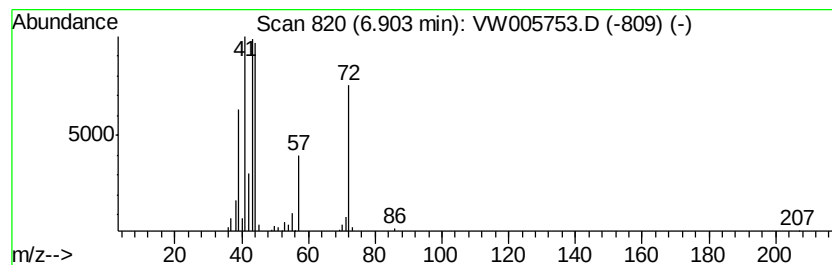
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Butanal Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	4.58 ug/L	73574	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanal	72	C4H8O	000123-72-8	87
2		Butanal	72	C4H8O	000123-72-8	86
3		Butanal	72	C4H8O	000123-72-8	59
4		Butanal	72	C4H8O	000123-72-8	53
5		1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	50



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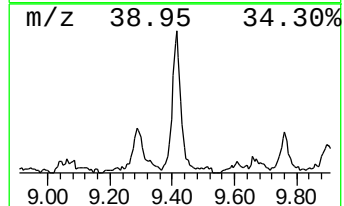
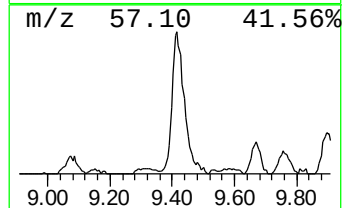
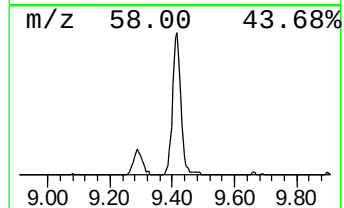
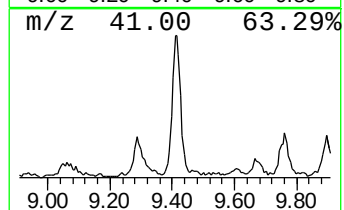
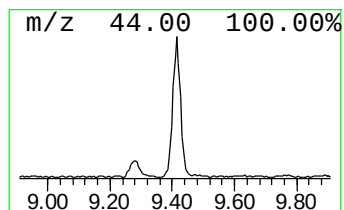
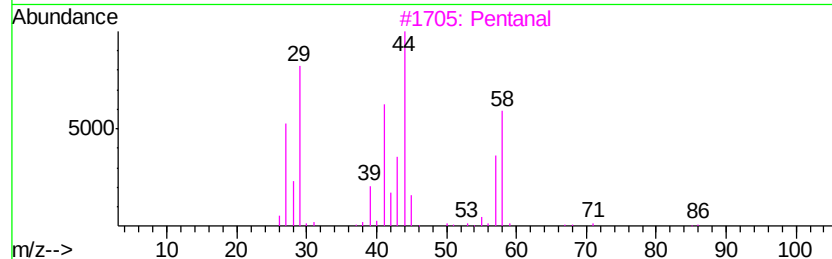
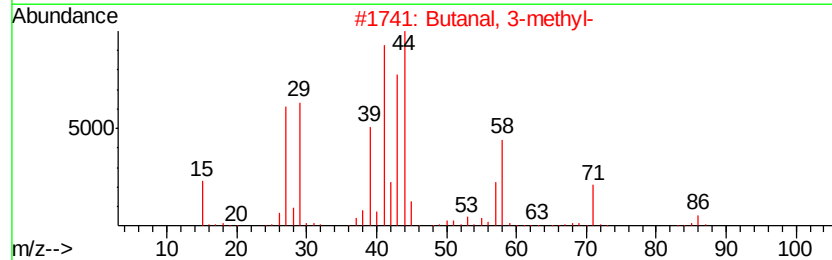
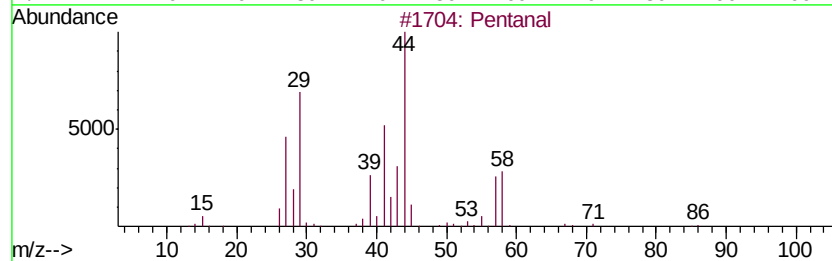
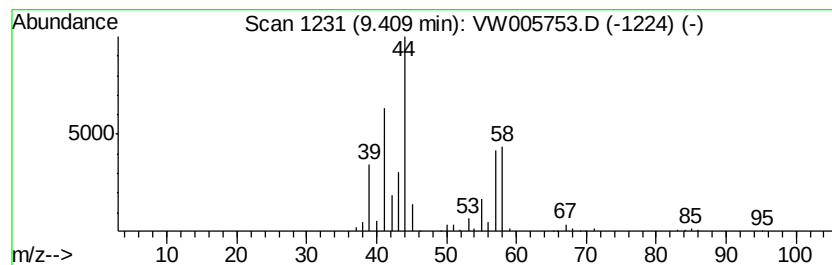
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Quant Title : VOC Analysis

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TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentanal Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	5.52 ug/L	88598	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentanal	86	C5H10O	000110-62-3	72
2		Butanal, 3-methyl-	86	C5H10O	000590-86-3	53
3		Pentanal	86	C5H10O	000110-62-3	47
4		Butanal, 3-methyl-	86	C5H10O	000590-86-3	43
5		1-Octadecanamine, N-methyl-	283	C19H41N	002439-55-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

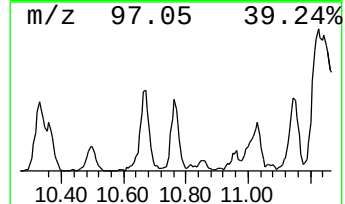
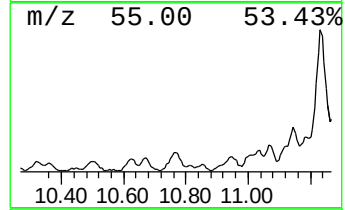
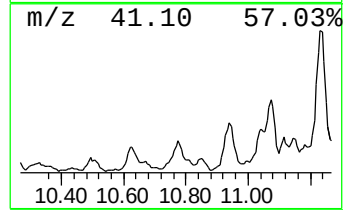
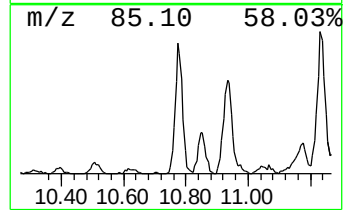
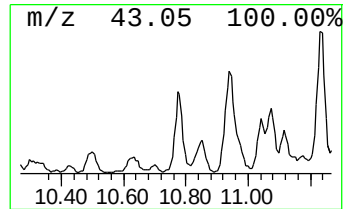
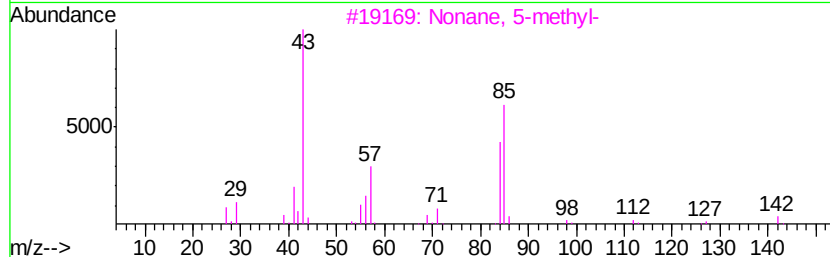
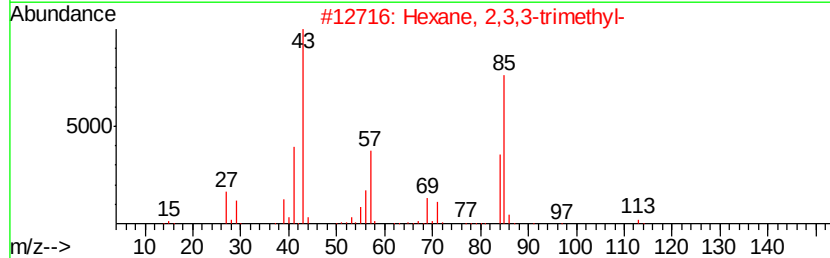
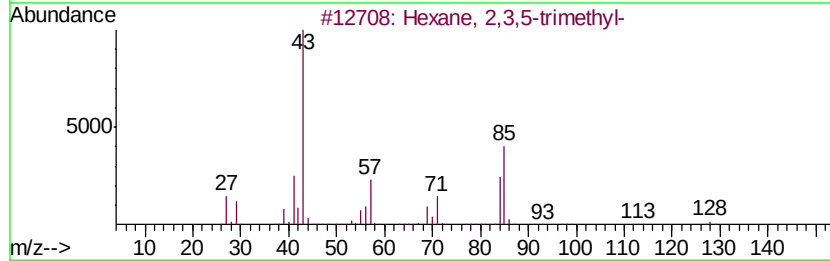
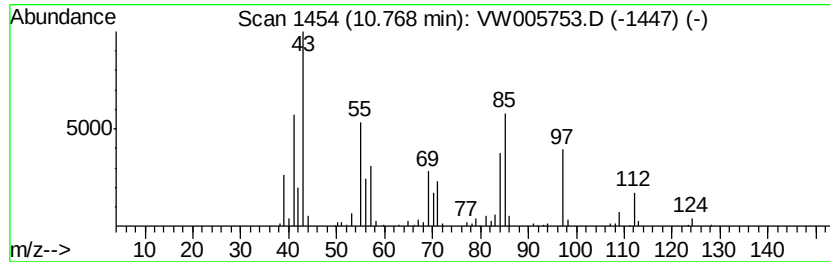
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	4.00 ug/L	130911	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
2			Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	59
3			Nonane, 5-methyl-	142	C10H22	015869-85-9	53
4			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53
5			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
JLC29

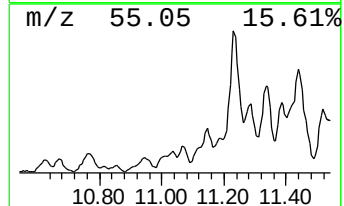
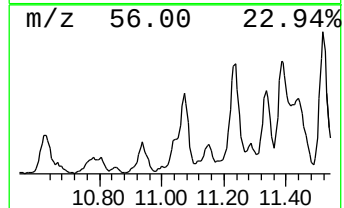
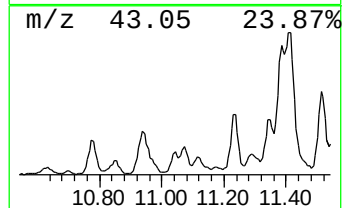
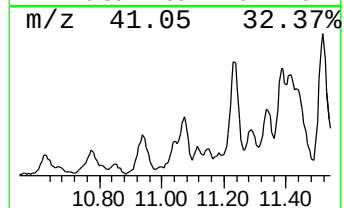
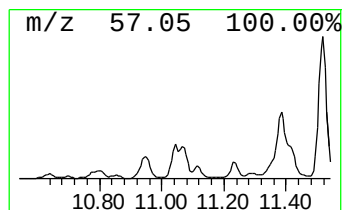
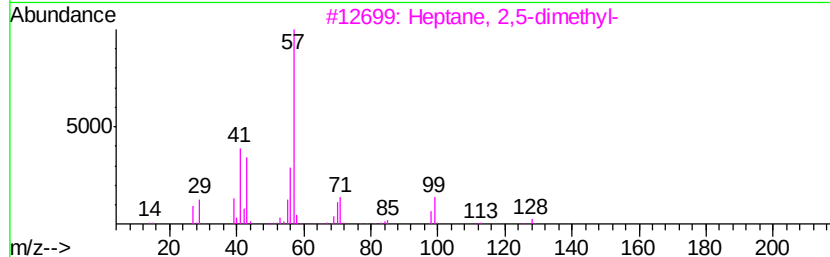
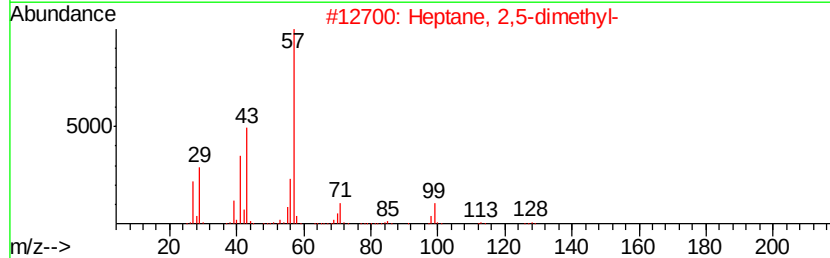
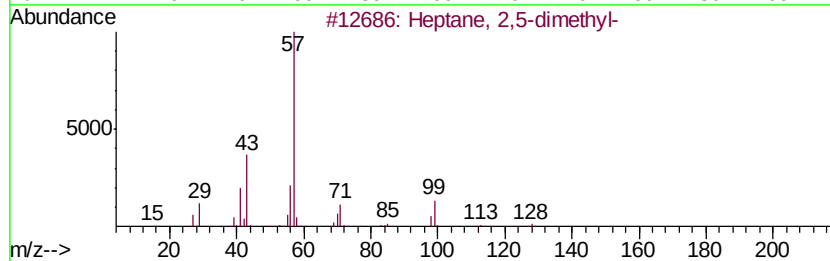
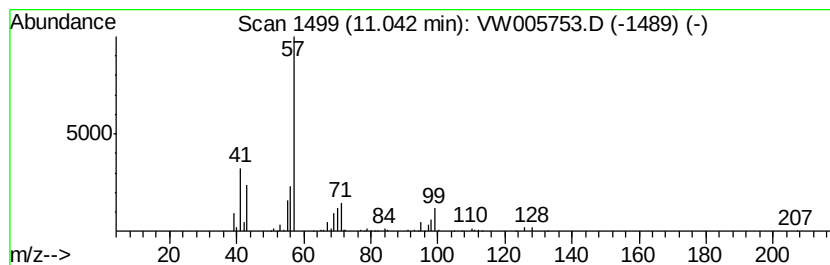
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	3.50 ug/L	114345	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
4		Octane, 3-methyl-	128	C9H20	002216-33-3	53
5		Octane, 3-methyl-	128	C9H20	002216-33-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

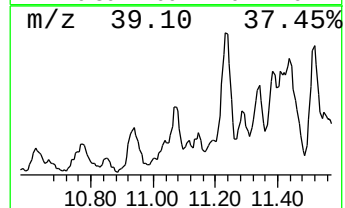
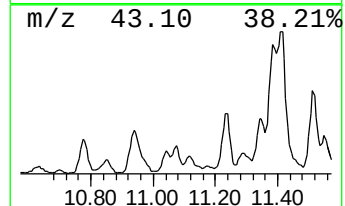
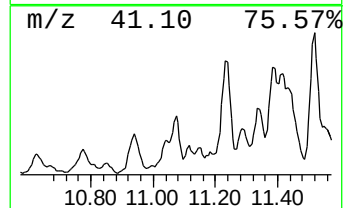
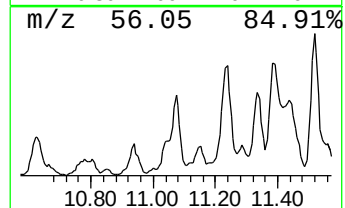
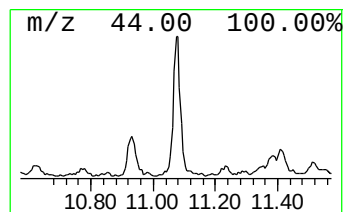
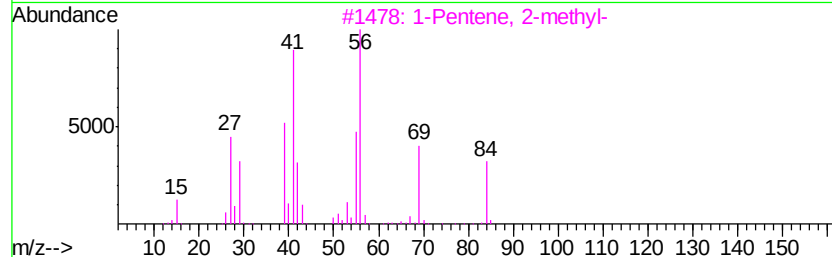
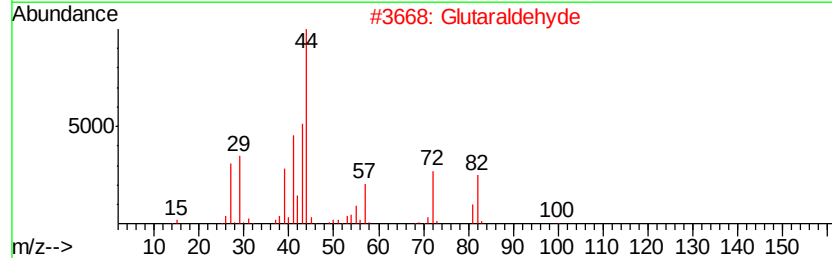
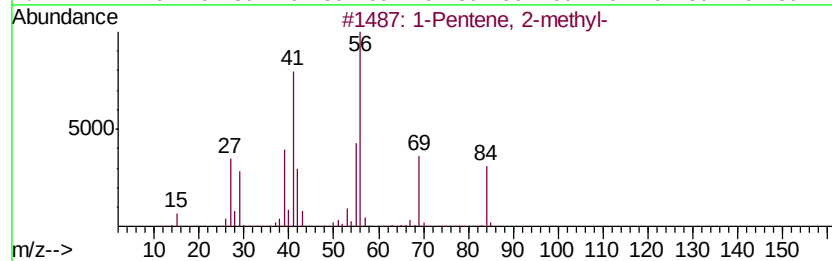
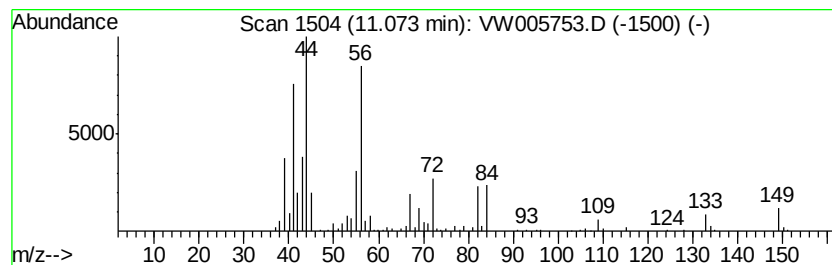
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic11.07 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	3.83 ug/L	125308	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	42
2		Glutaraldehyde	100	C5H8O2	000111-30-8	38
3		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	30
4		Butanal	72	C4H8O	000123-72-8	22
5		1-Butanol	74	C4H10O	000071-36-3	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

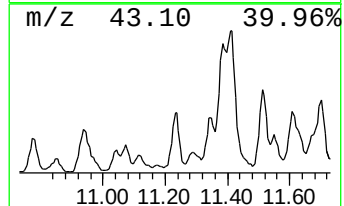
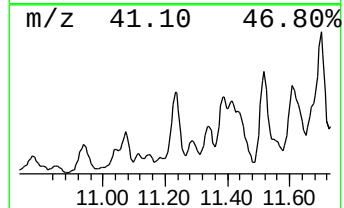
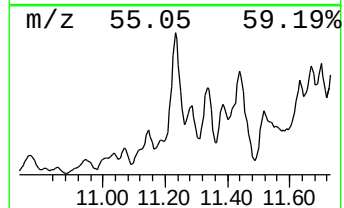
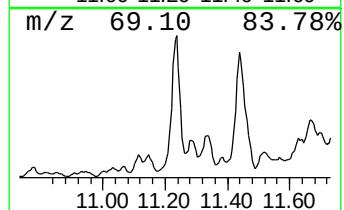
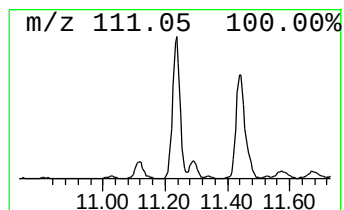
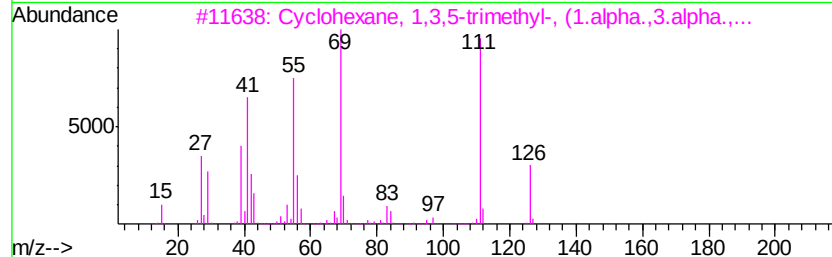
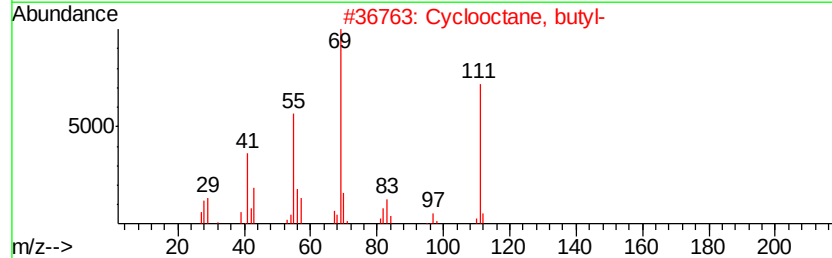
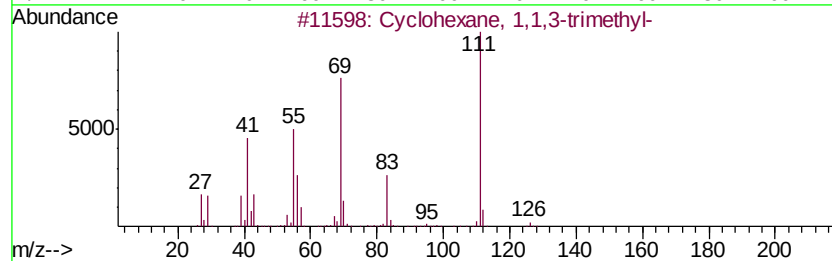
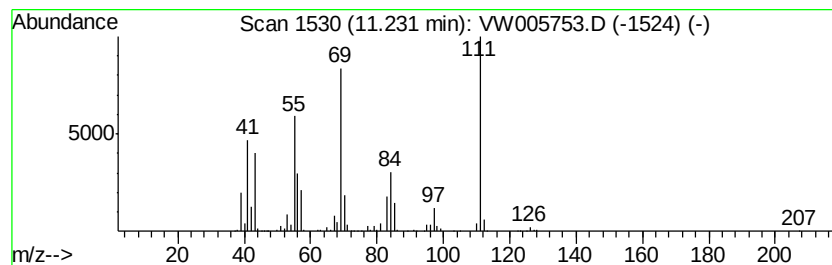
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic11.23 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	15.38 ug/L	502740	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	68
2		Cyclooctane, butyl-	168	C12H24	016538-93-5	64
3		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	64
4		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-27-3	59
5		Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

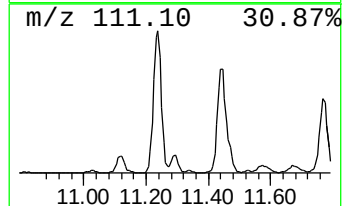
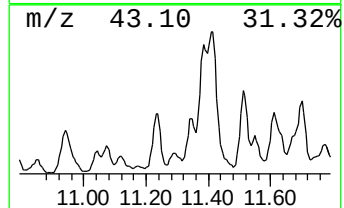
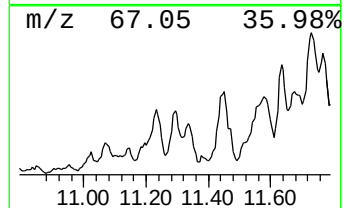
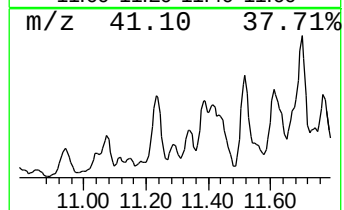
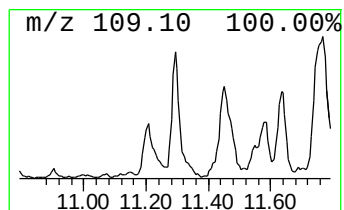
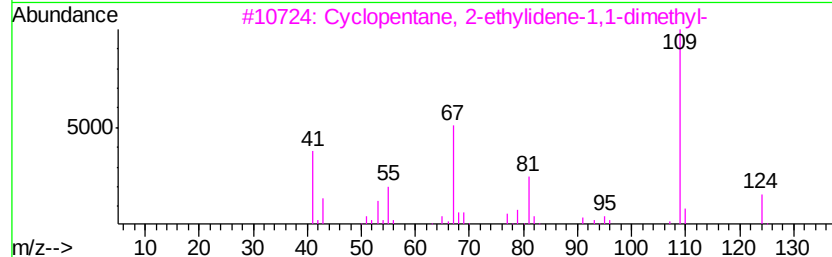
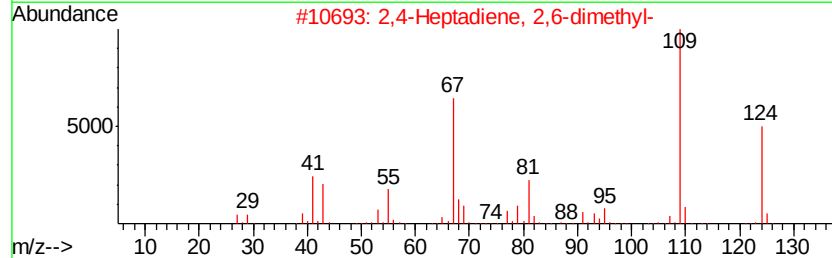
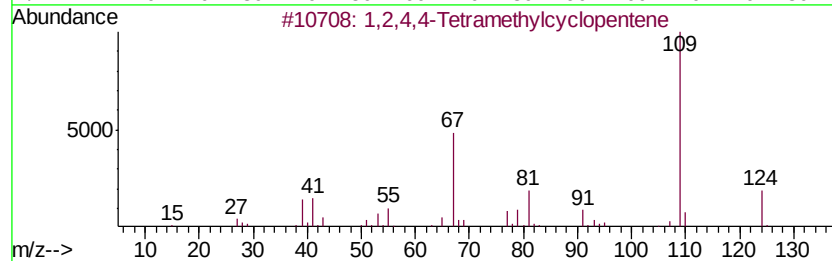
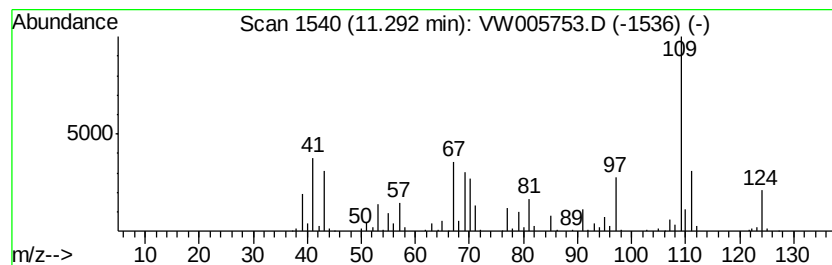
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 10 1,2,4,4-Tetramethylcyclopentene... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.29	3.25 ug/L	106317	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	50
2	2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	45
3	Cyclopentane, 2-ethylidene-1,1-dimethyl-	124	C9H16	056324-66-4	43
4	1-Buten-3-yne,4-trimethylsilyl	124	C7H12Si	002696-32-4	38
5	6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

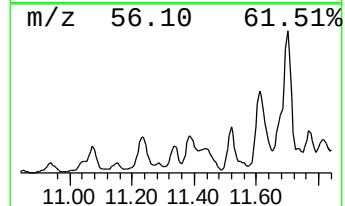
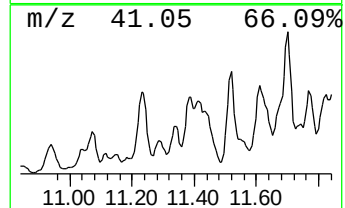
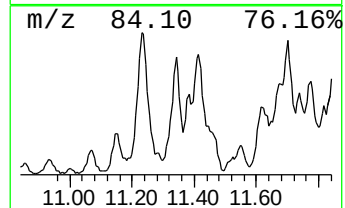
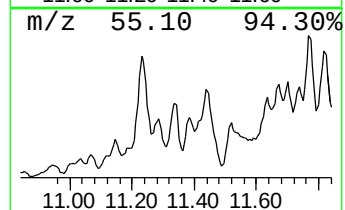
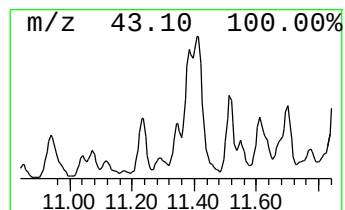
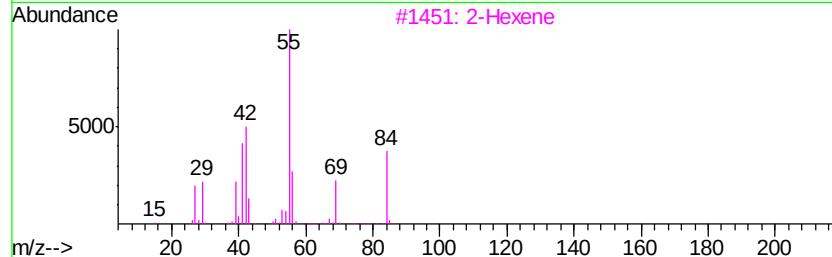
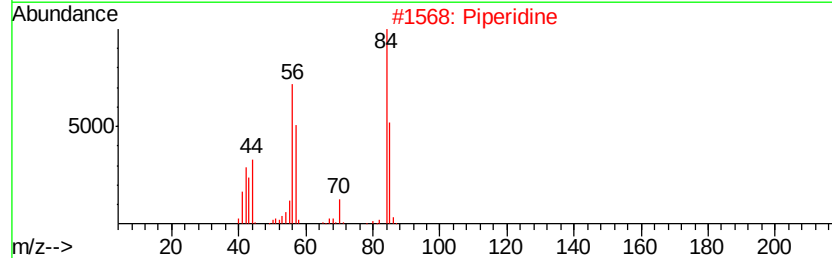
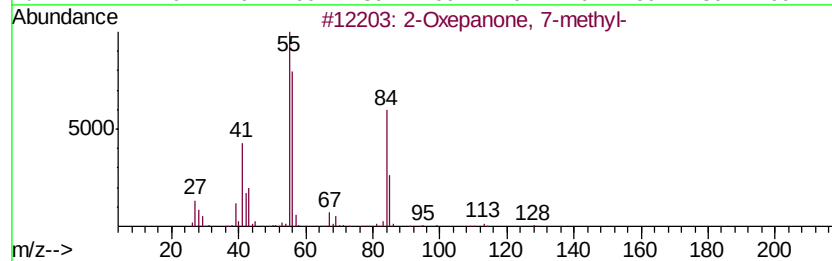
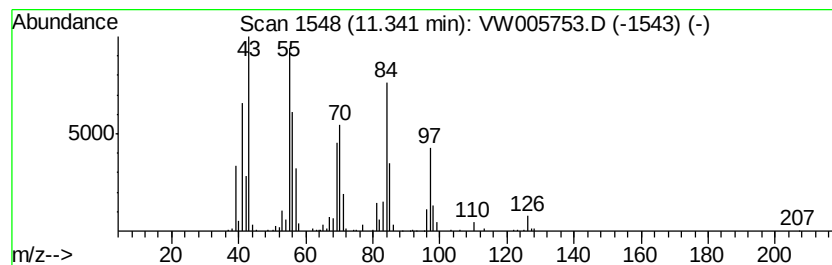
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Quant Title : VOC Analysis

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

Peak Number 11 unknown-01 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	5.16 ug/L	168733	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	43
2		Piperidine	85	C5H11N	000110-89-4	43
3		2-Hexene	84	C6H12	000592-43-8	43
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	30
5		Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

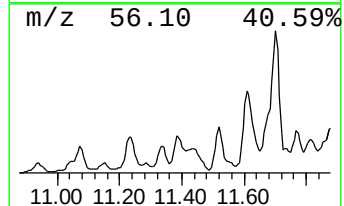
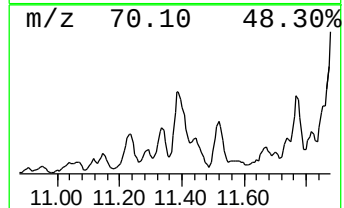
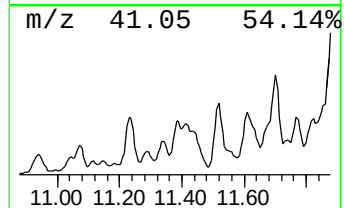
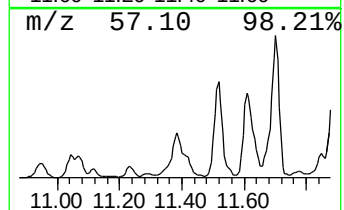
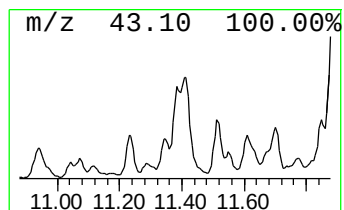
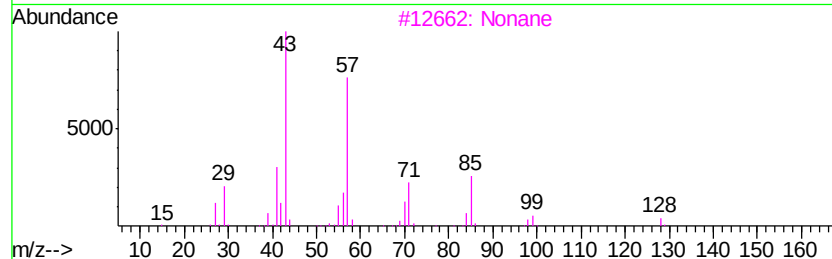
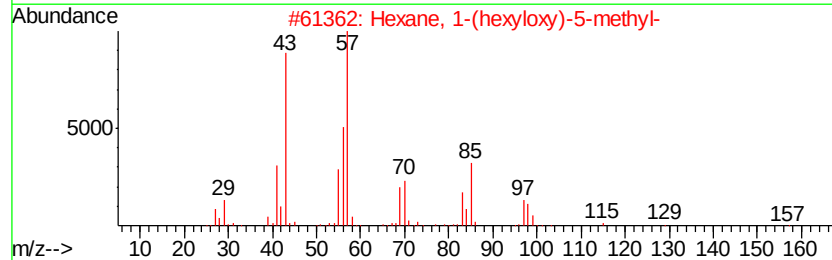
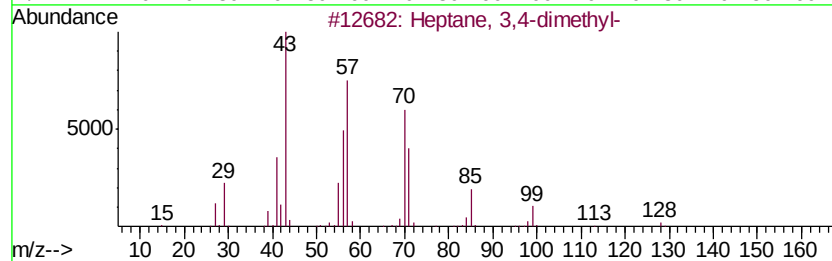
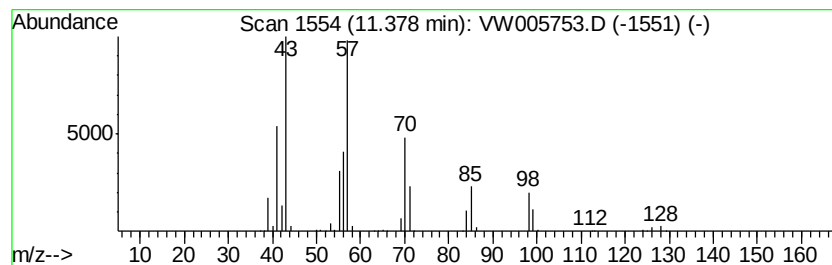
Instrument :
MSVOA_W
ClientSampleId :
JLC29

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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 30

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.38	8.20 ug/L	268271	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64
2	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	50
3	Nonane	128	C9H20	000111-84-2	43
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	43
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

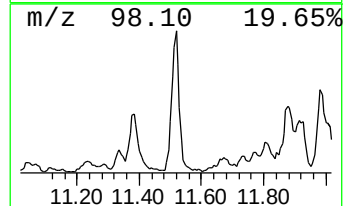
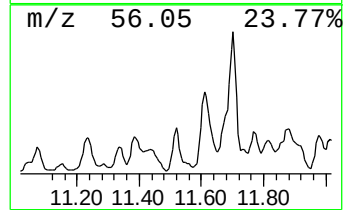
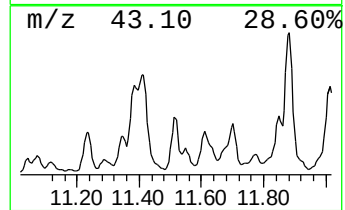
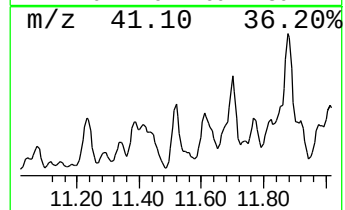
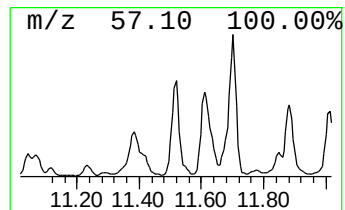
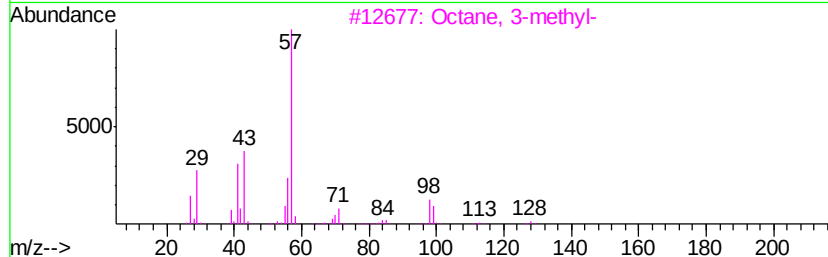
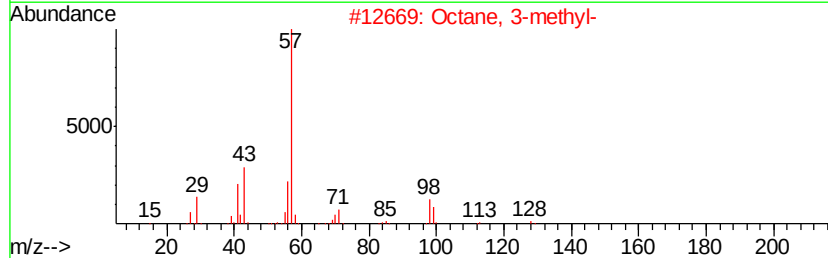
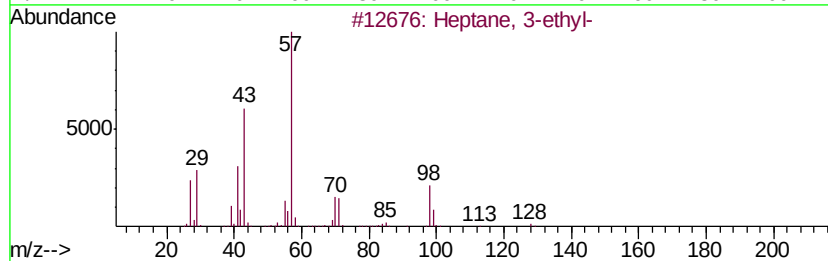
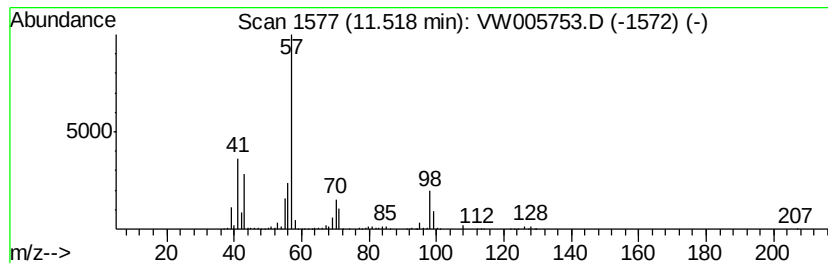
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Quant Title : VOC Analysis

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

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	15.08 ug/L	492952	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	68
2		Octane, 3-methyl-	128	C9H20	002216-33-3	64
3		Octane, 3-methyl-	128	C9H20	002216-33-3	64
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
5		Undecane, 6-methyl-	170	C12H26	017302-33-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

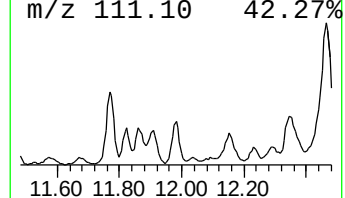
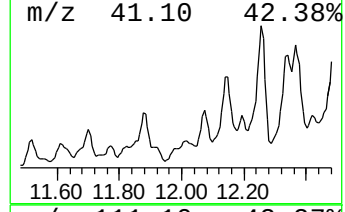
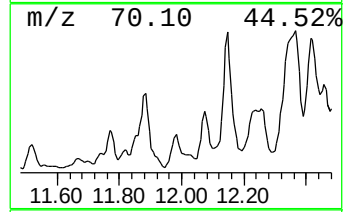
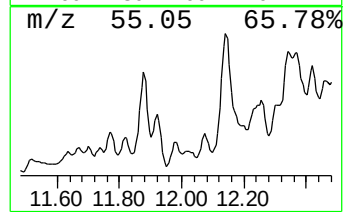
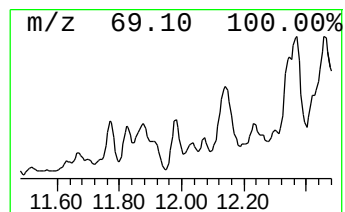
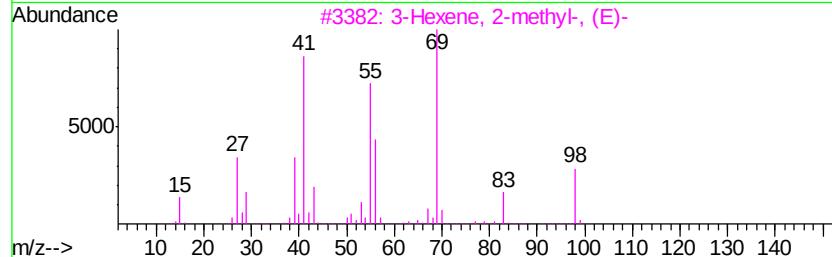
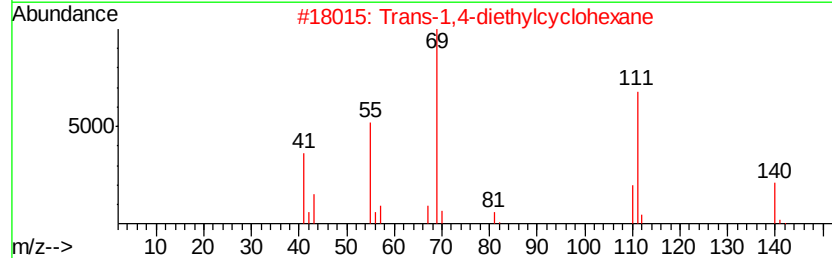
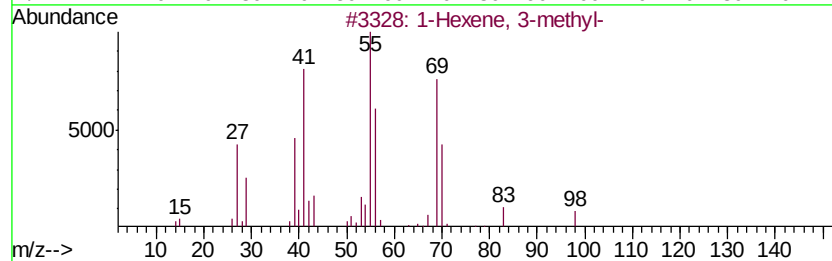
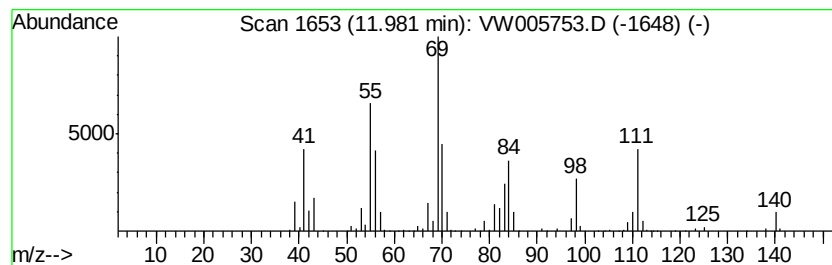
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Cyclic11.98 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.98	11.58 ug/L	378521	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-		98	C7H14	003404-61-3	52
2	Trans-1,4-diethylcyclohexane		140	C10H20	013990-93-7	50
3	3-Hexene, 2-methyl-, (E)-		98	C7H14	000692-24-0	49
4	Cyclopentane, propyl-		112	C8H16	002040-96-2	49
5	1,1,4-Trimethylcyclohexane		126	C9H18	007094-27-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

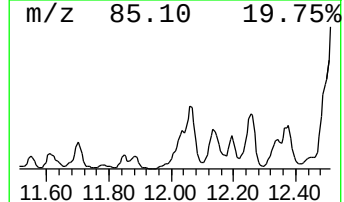
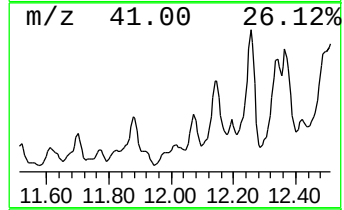
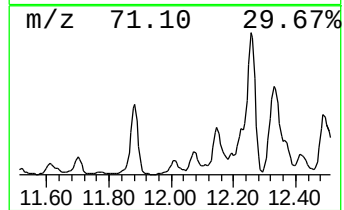
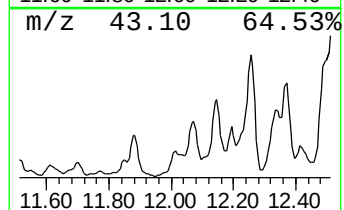
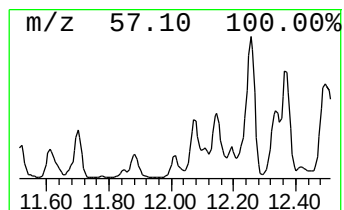
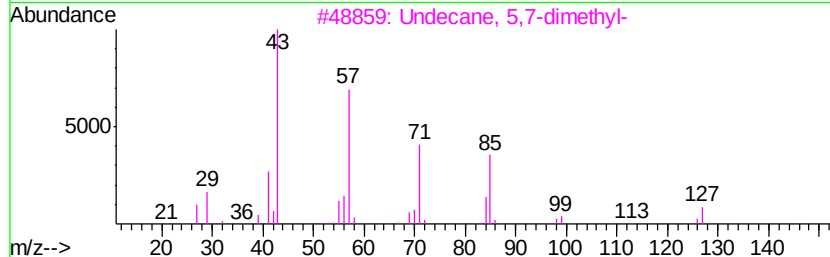
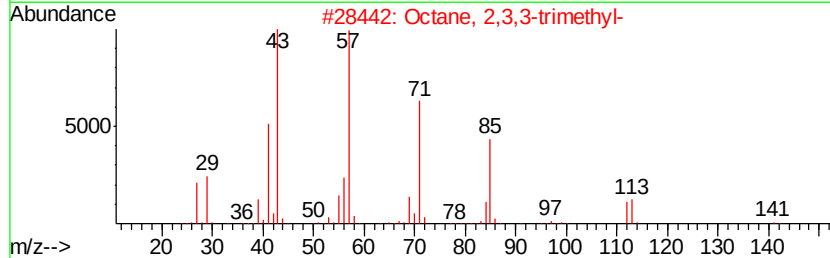
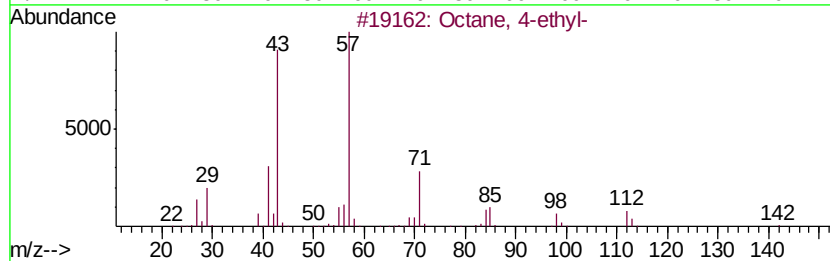
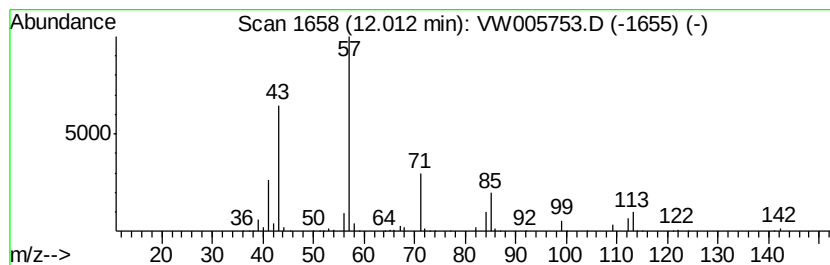
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	4.67 ug/L	152783	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 4-ethyl-	142	C10H22	015869-86-0	59
2		Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	53
3		Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	50
4		Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	50
5		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
JLC29

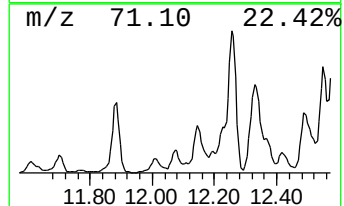
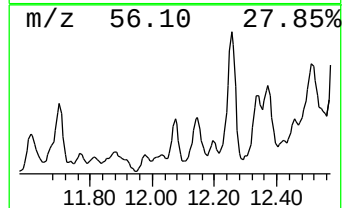
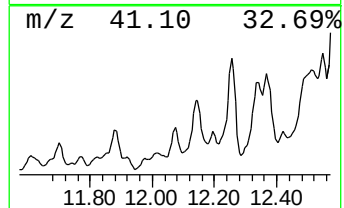
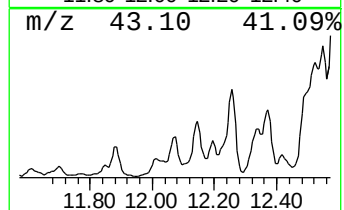
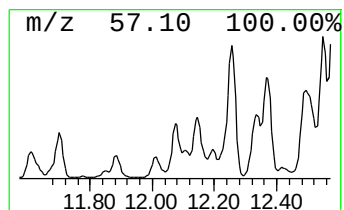
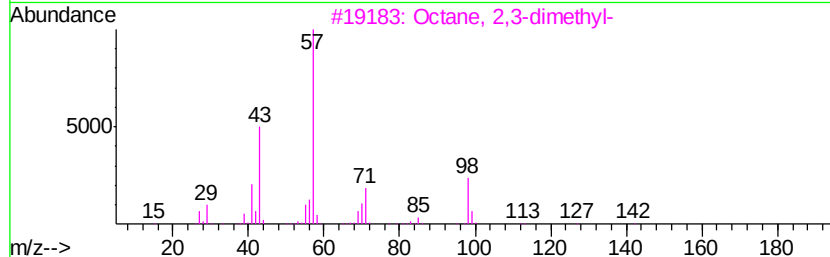
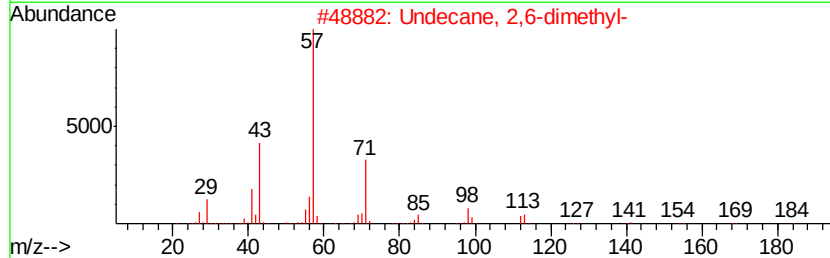
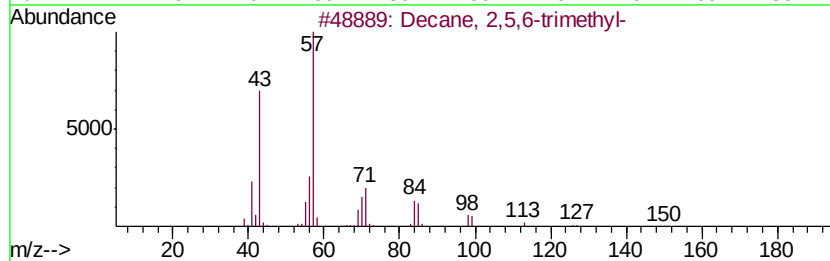
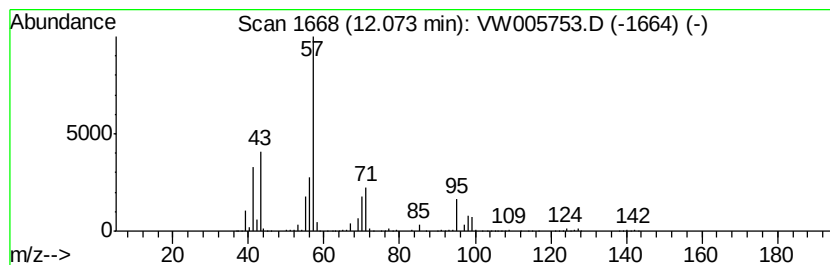
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	21.85 ug/L	714344	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	59
2		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
3		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	50
4		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	47
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

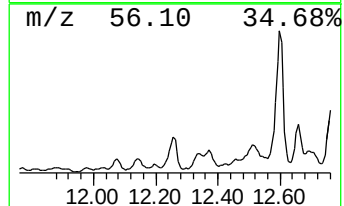
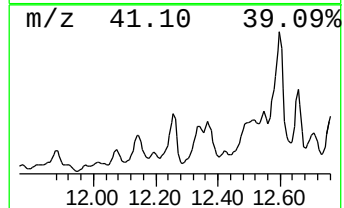
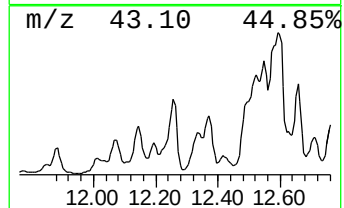
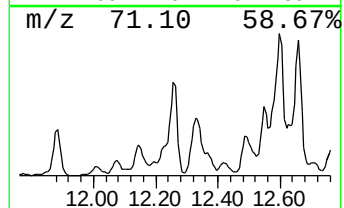
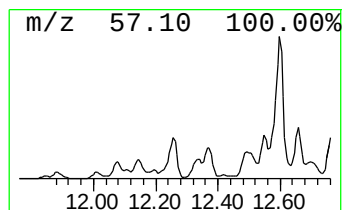
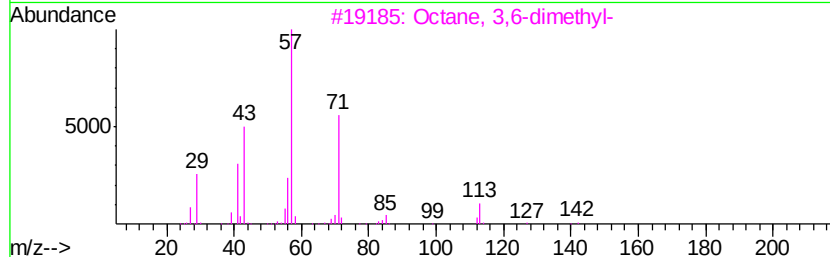
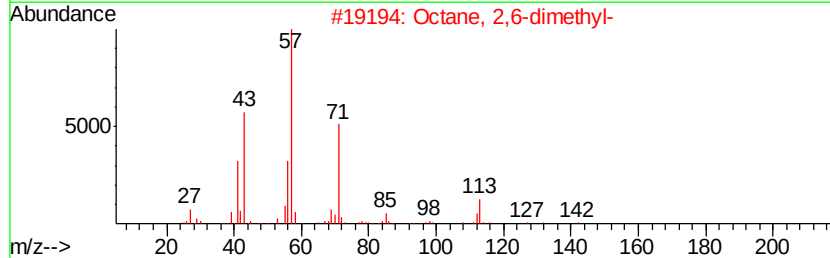
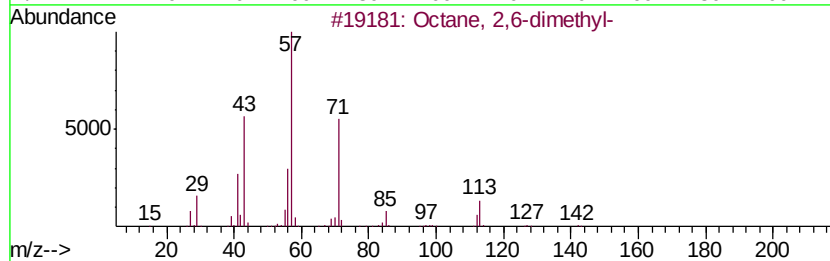
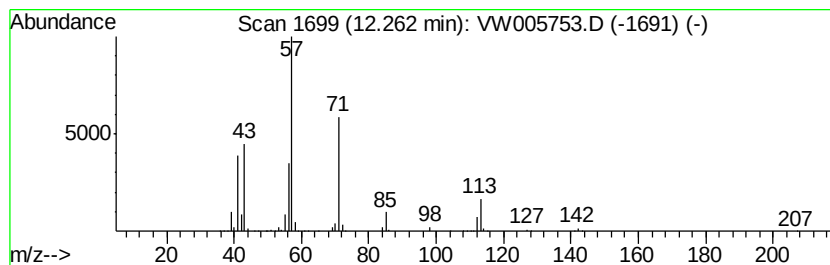
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	83.82 ug/L	2740750	Chlorobenzene-d5	11.63

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

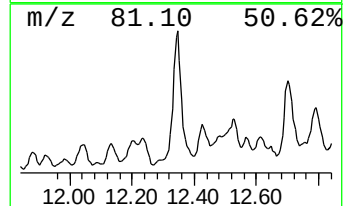
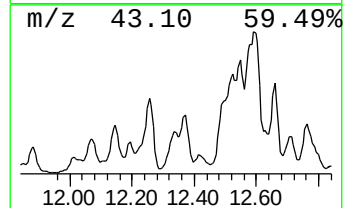
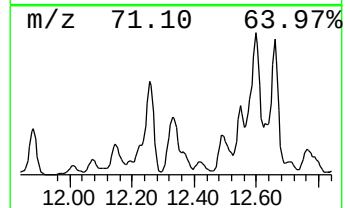
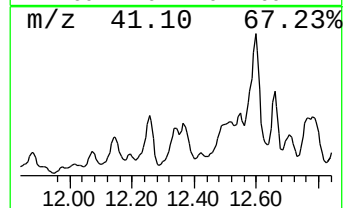
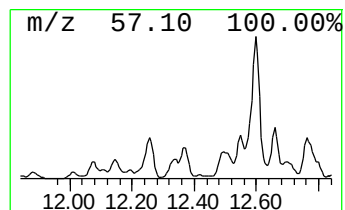
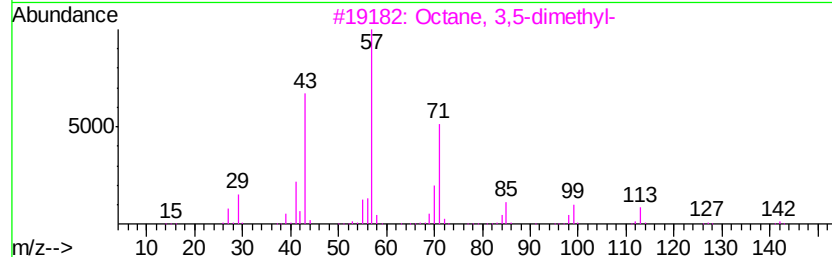
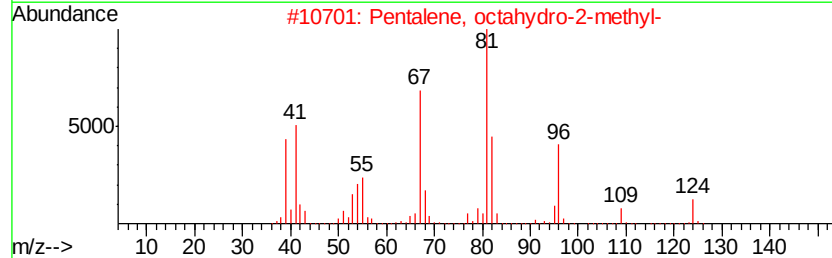
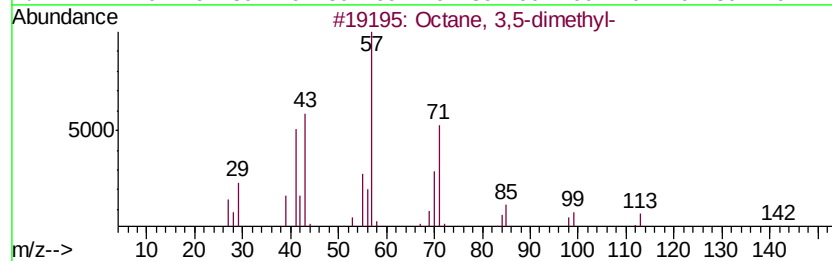
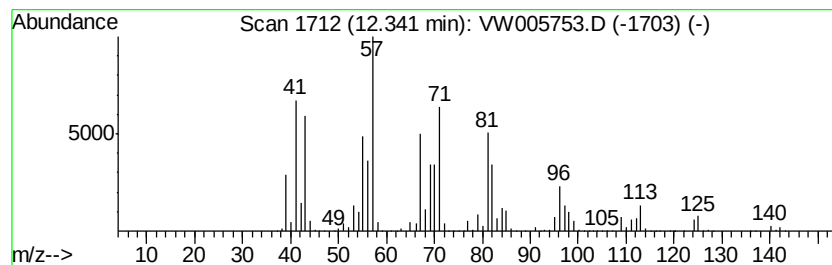
Instrument :
MSVOA_W
ClientSampled :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.34	90.09 ug/L	2945670	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	38
2		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	35
3		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	30
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	30
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

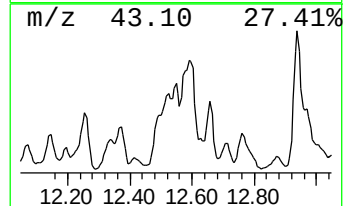
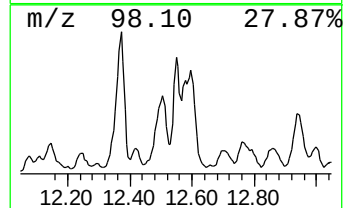
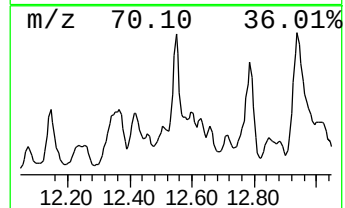
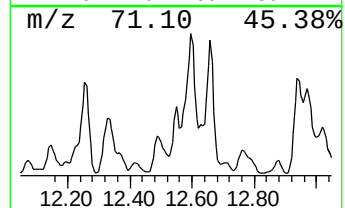
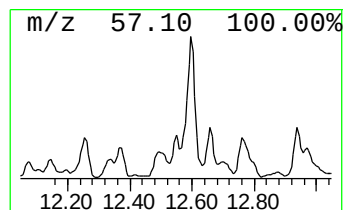
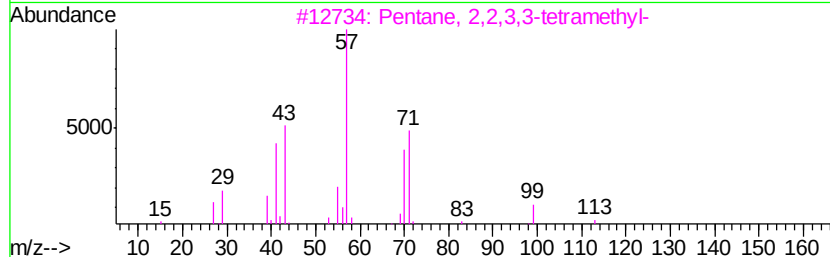
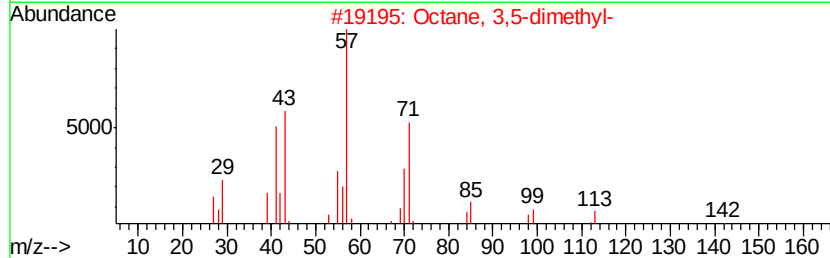
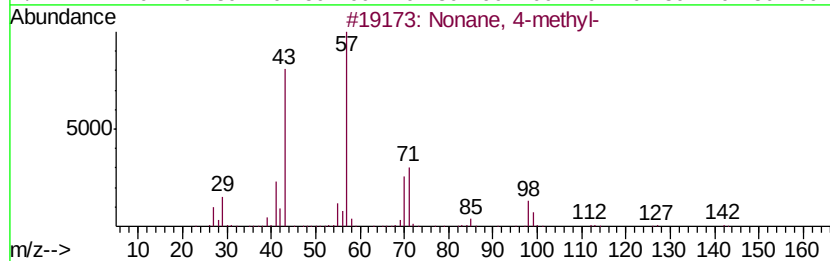
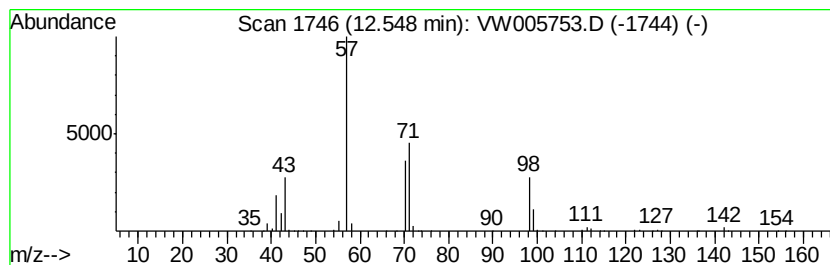
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	12.30 ug/L	402093	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	72
3		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53
5		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

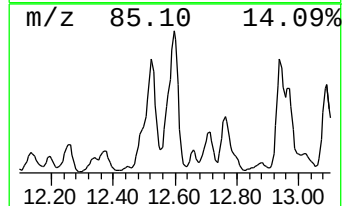
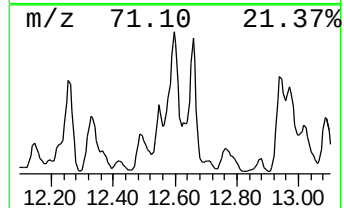
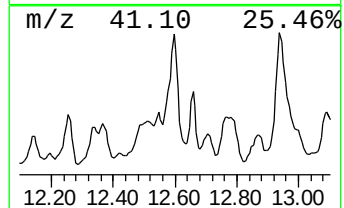
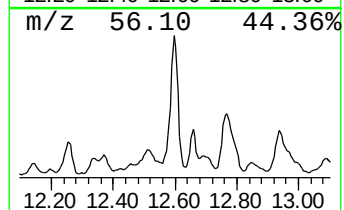
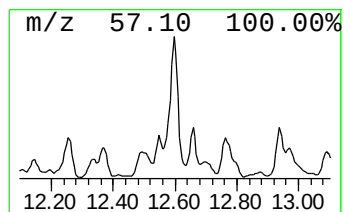
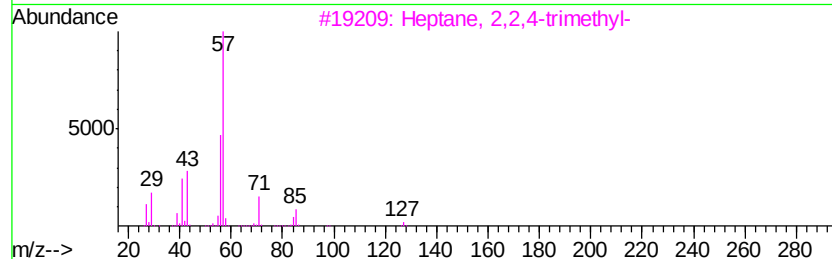
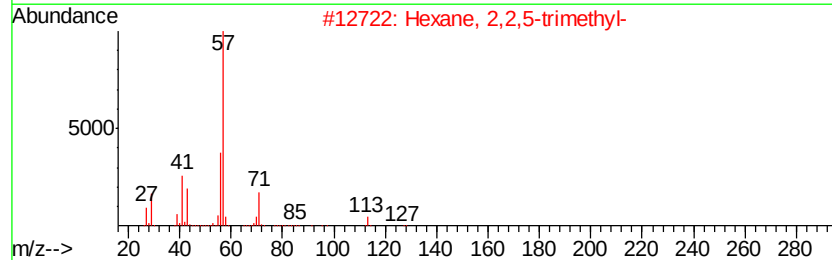
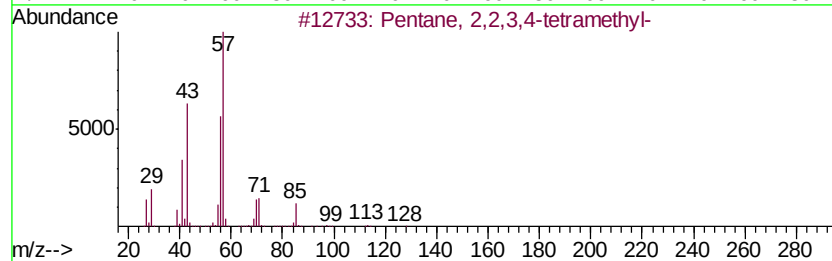
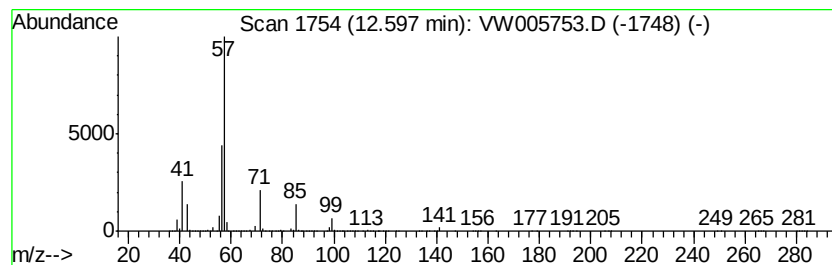
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	185.55 ug/L	6067310	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	72
2		Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
3		Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	64
4		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
5		Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

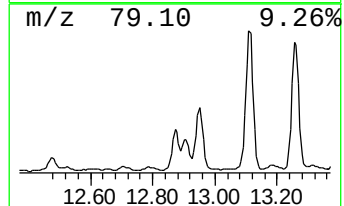
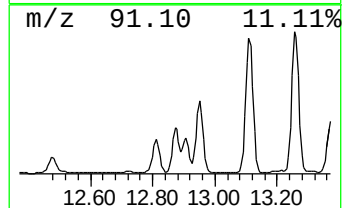
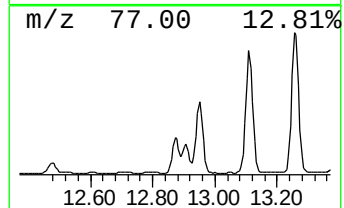
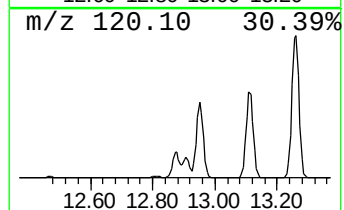
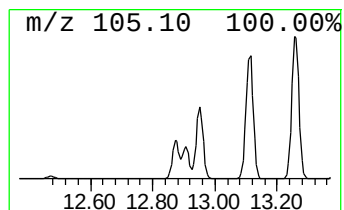
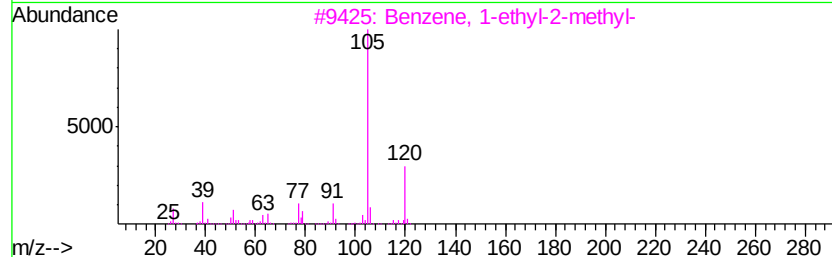
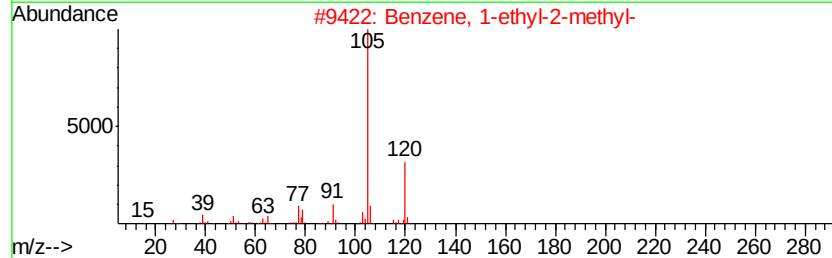
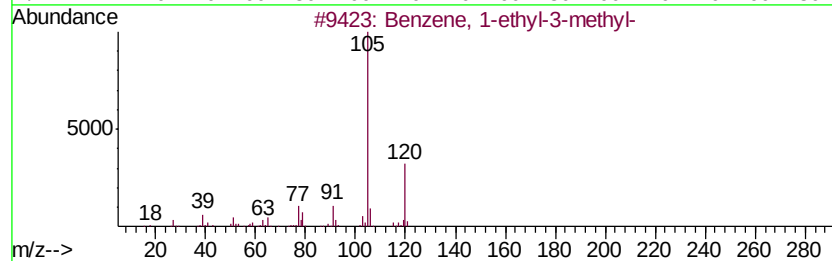
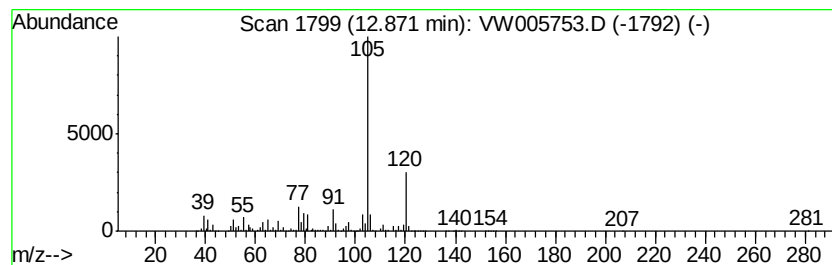
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Quant Title : VOC Analysis

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

Peak Number 21 Benzene, 1-ethyl-3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	5.98 ug/L	7108990	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

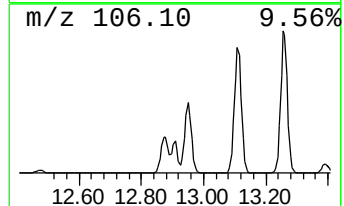
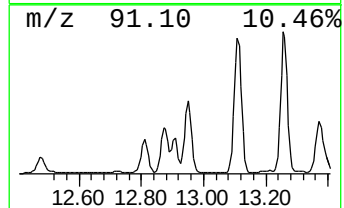
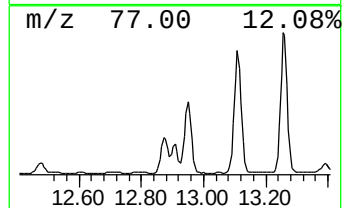
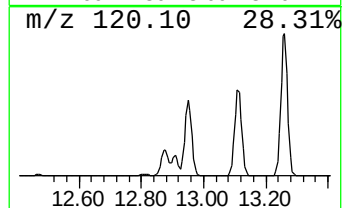
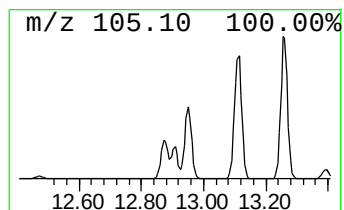
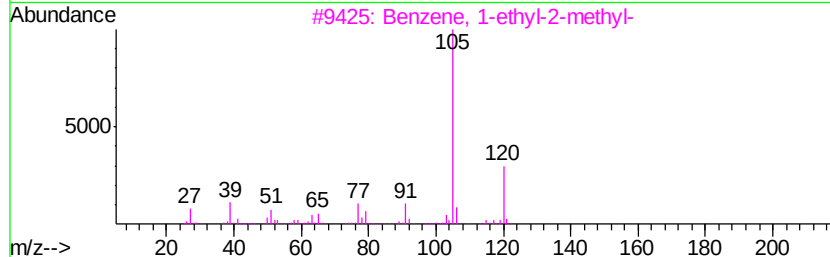
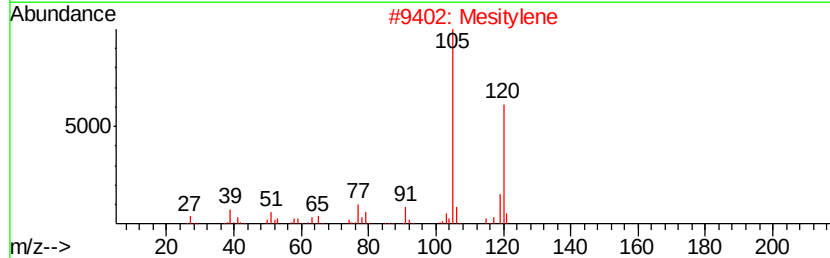
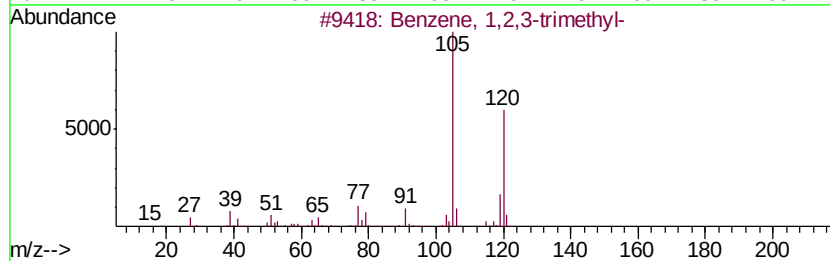
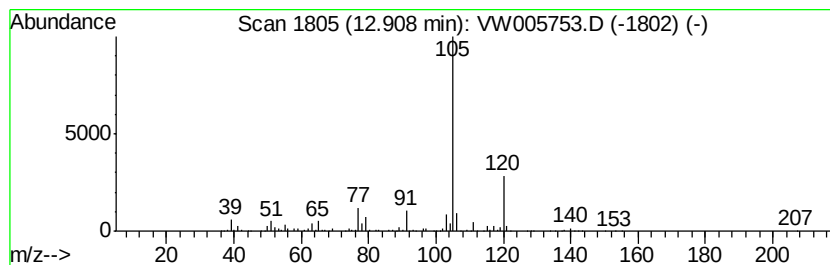
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3-trimethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.91	3.12 ug/L	3705920	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
2		Mesitylene	120	C9H12	000108-67-8	90
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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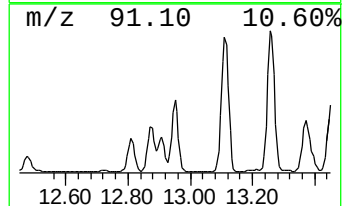
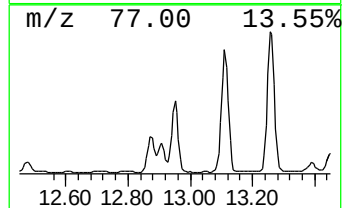
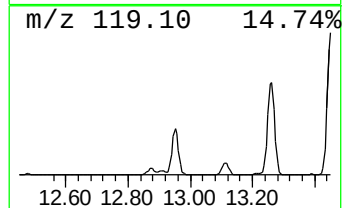
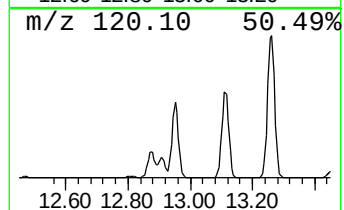
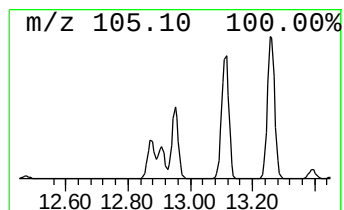
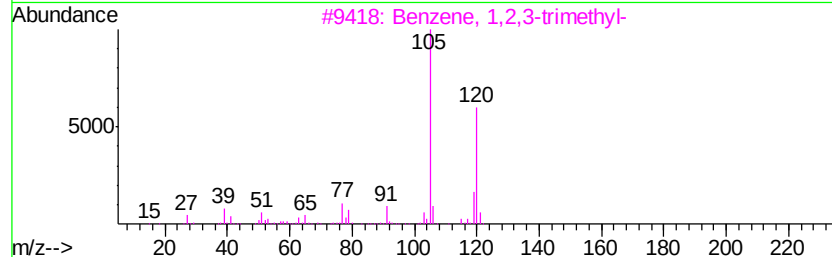
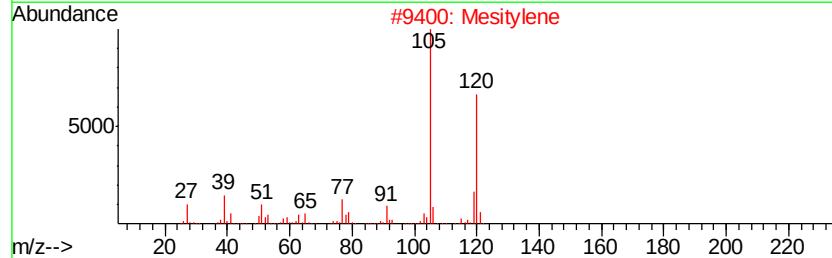
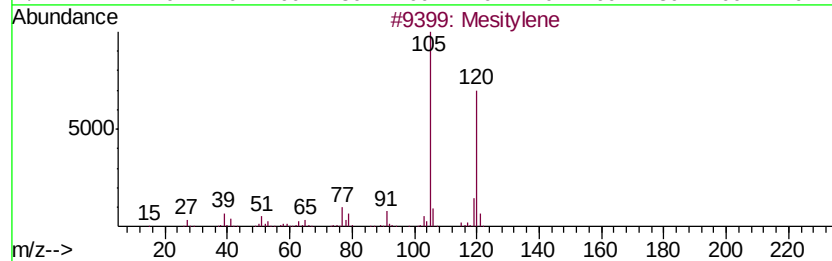
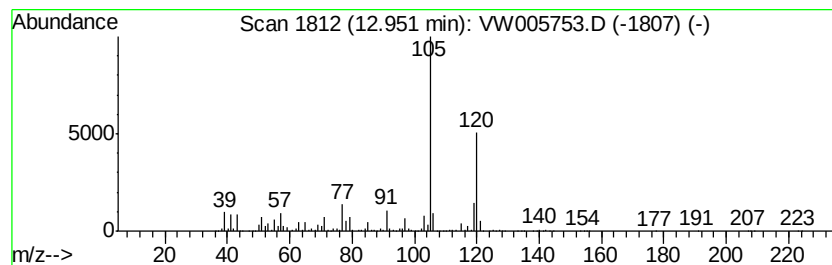
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Quant Title : VOC Analysis

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

Peak Number 23 Mesitylene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	13.61 ug/L	16192300	1,4-Dichlorobenzene-d4	13.57

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

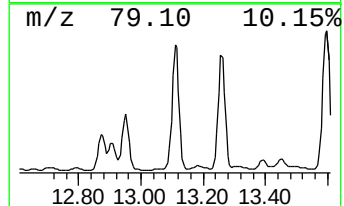
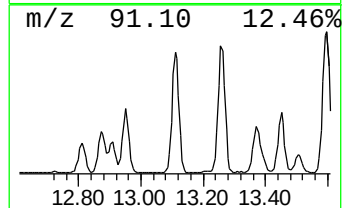
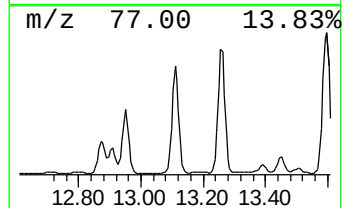
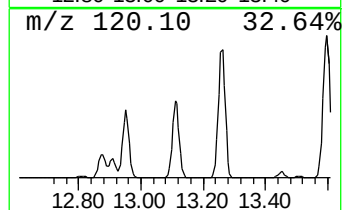
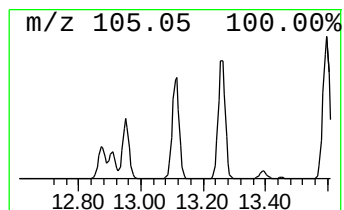
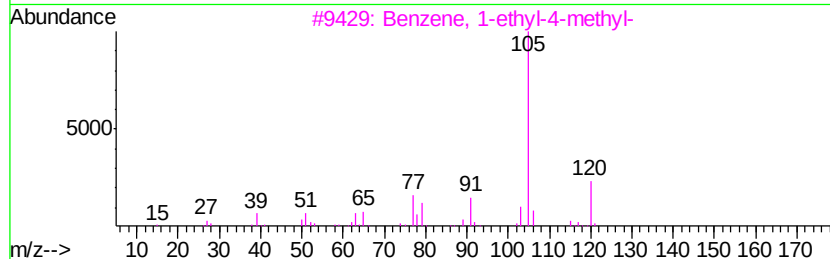
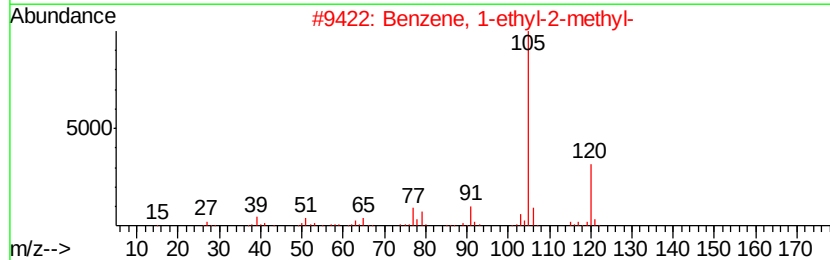
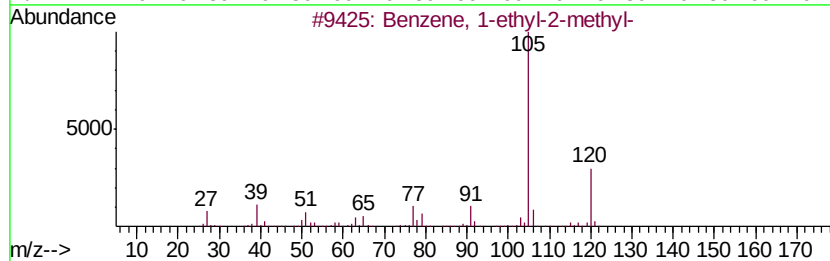
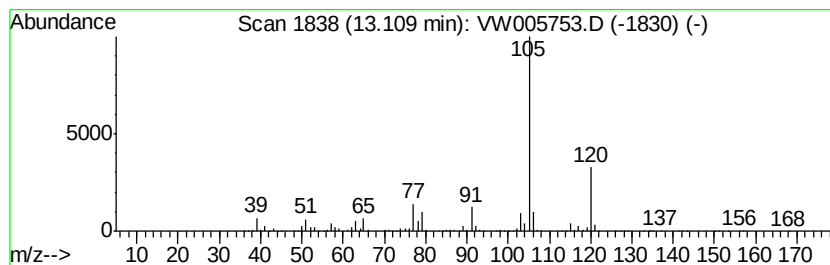
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	18.15 ug/L	21581900	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	94
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

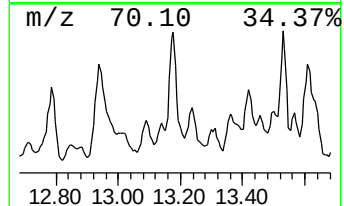
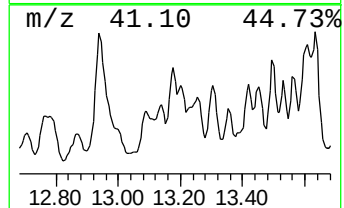
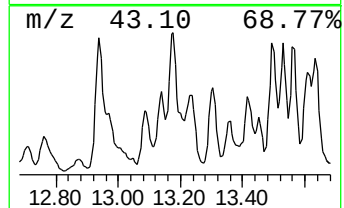
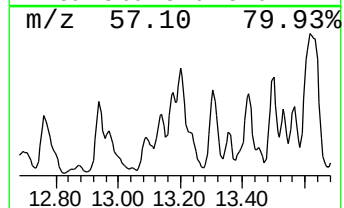
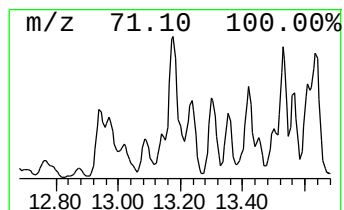
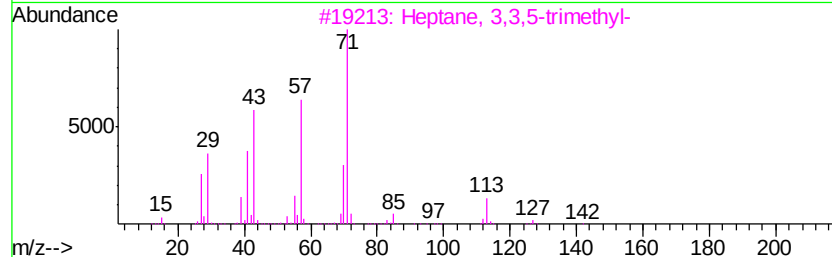
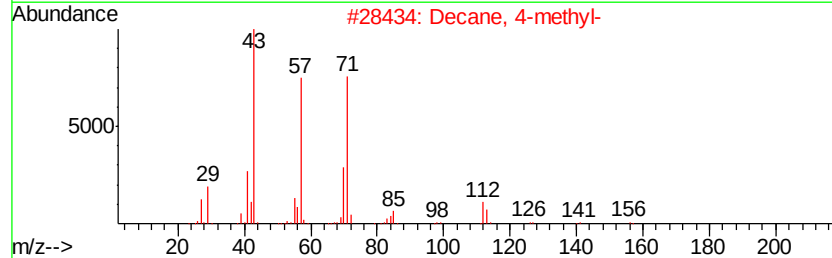
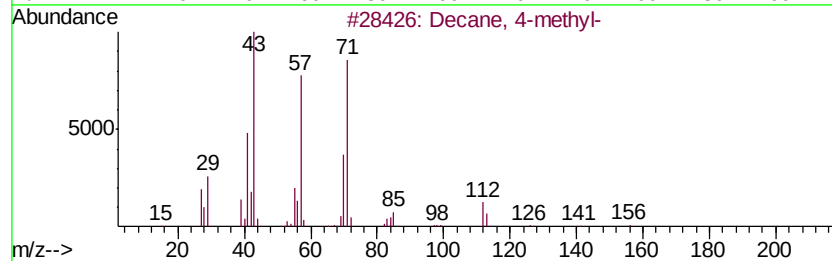
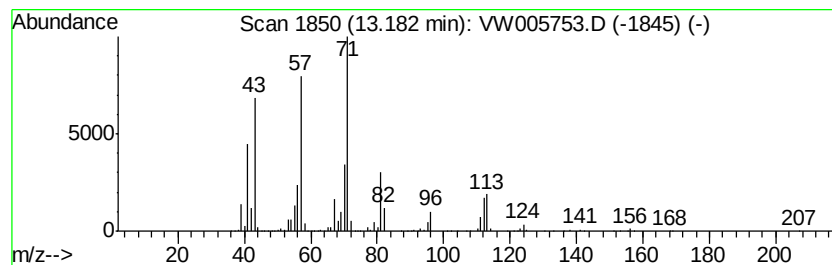
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.49 ug/L	2964550	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 4-methyl-	156	C11H24	002847-72-5	80
2			Decane, 4-methyl-	156	C11H24	002847-72-5	80
3			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	64
4			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
5			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

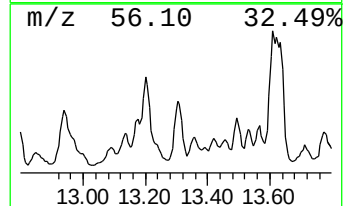
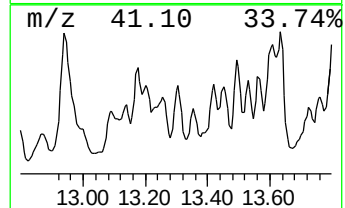
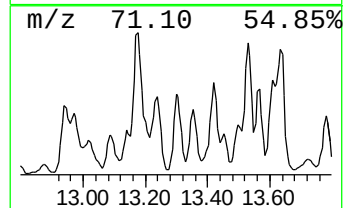
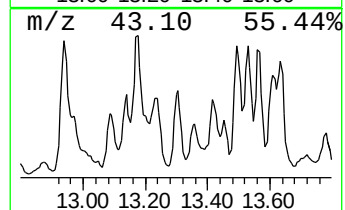
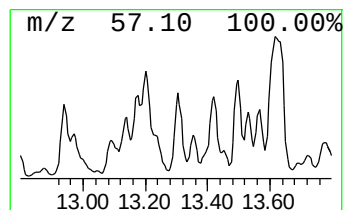
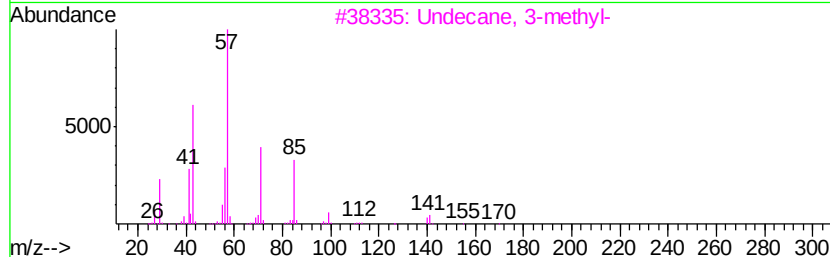
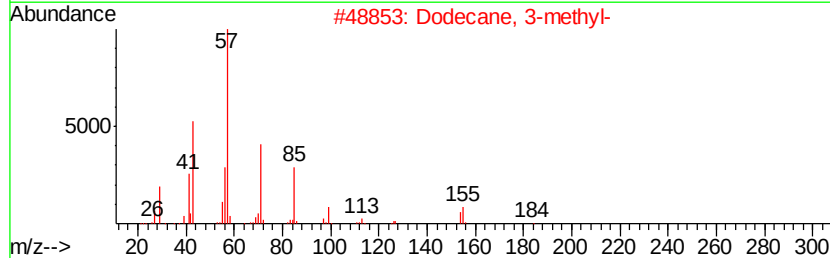
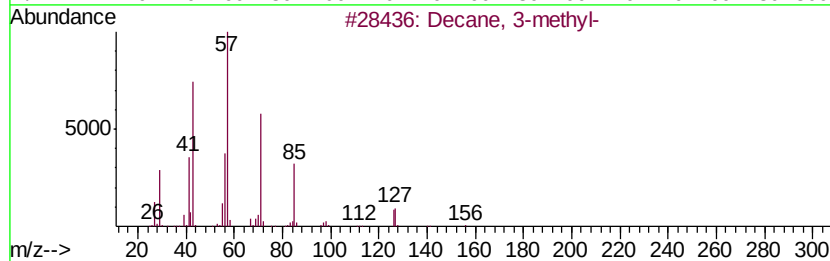
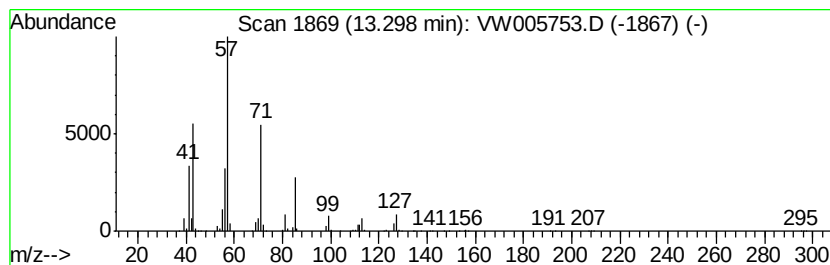
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.23 ug/L	2655850	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		Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	64
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

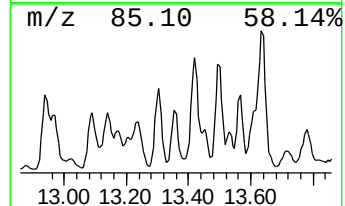
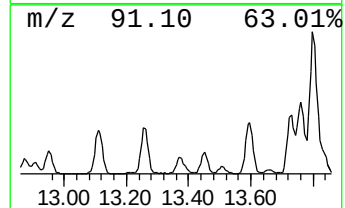
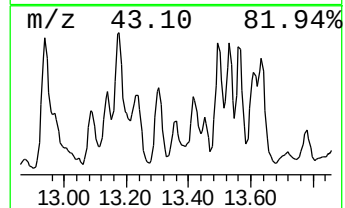
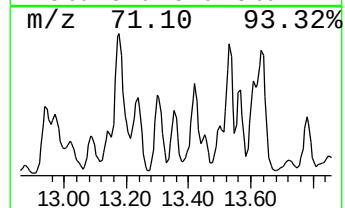
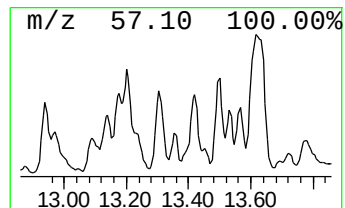
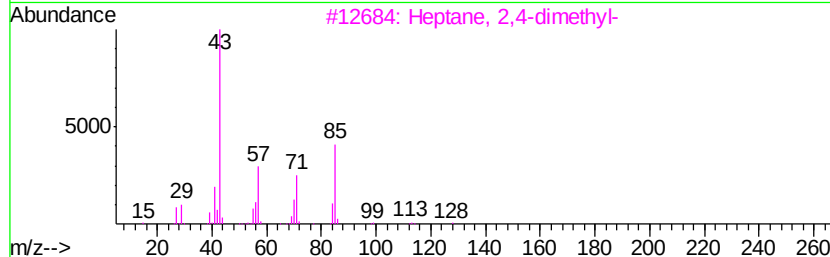
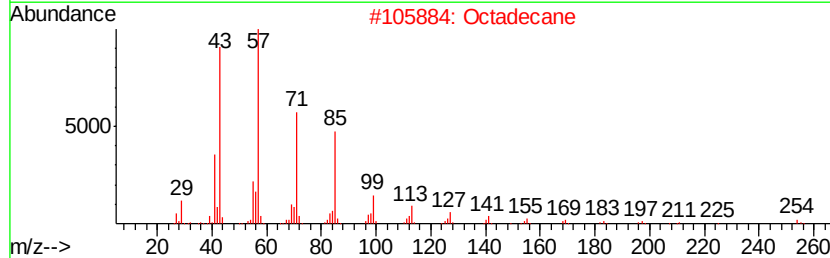
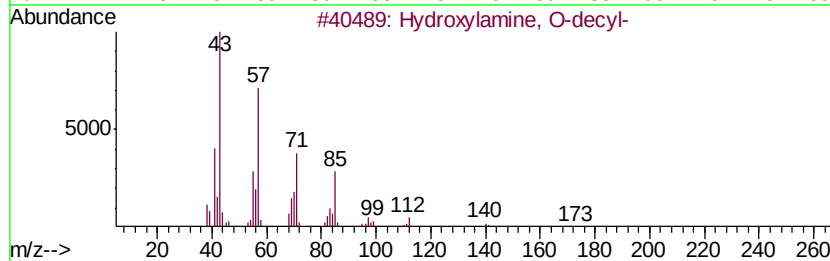
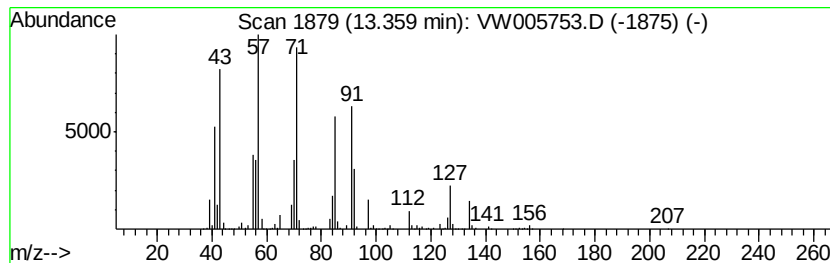
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Quant Title : VOC Analysis

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

Peak Number 28 Hydroxylamine, O-decyl- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	1.33 ug/L	1581330	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	64
2		Octadecane	254	C18H38	000593-45-3	53
3		Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4		Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

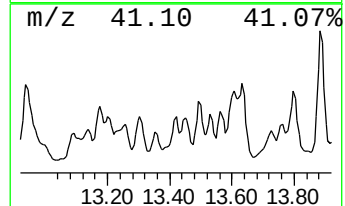
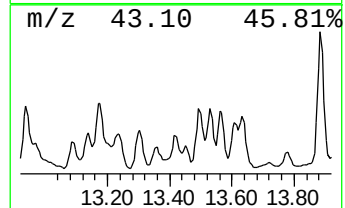
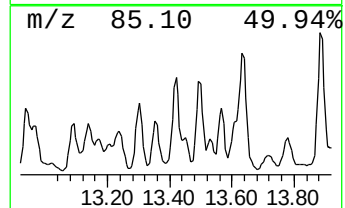
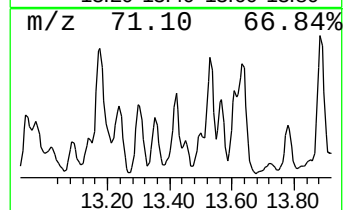
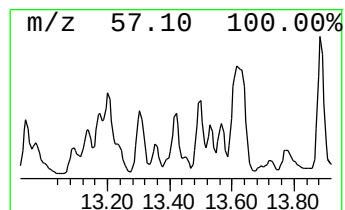
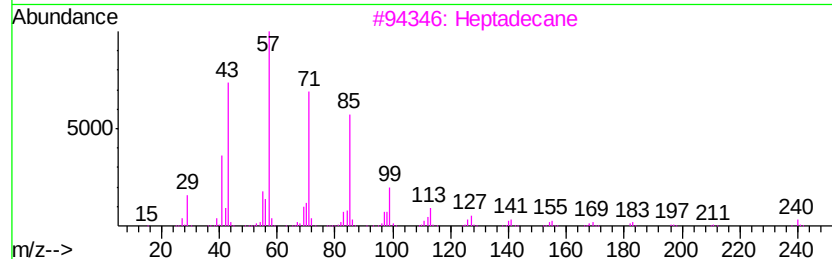
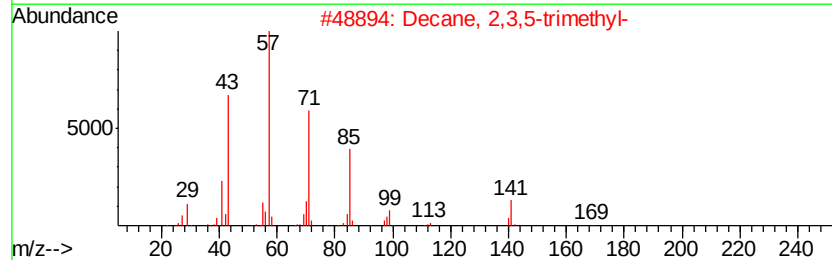
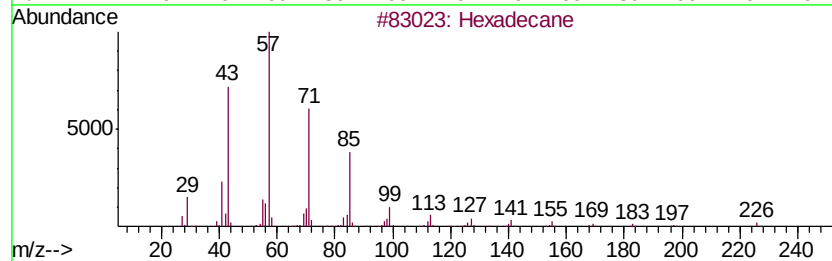
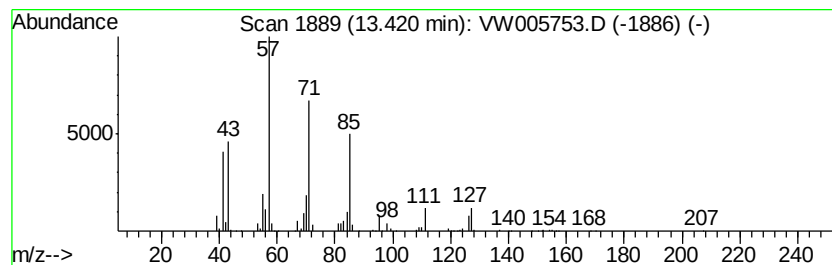
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.42	1.30 ug/L	1545670	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	64
3	Heptadecane	240	C17H36	000629-78-7	59
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

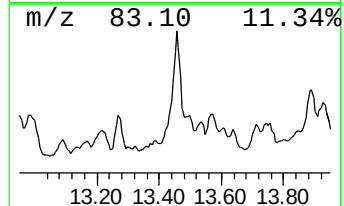
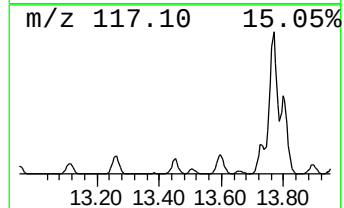
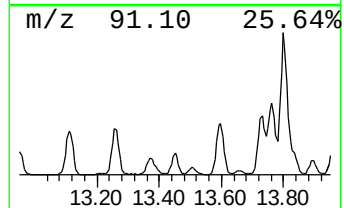
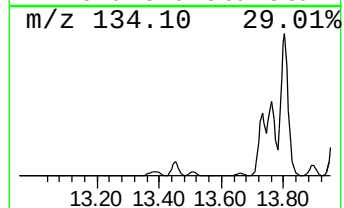
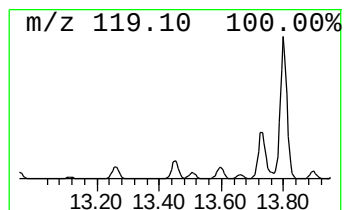
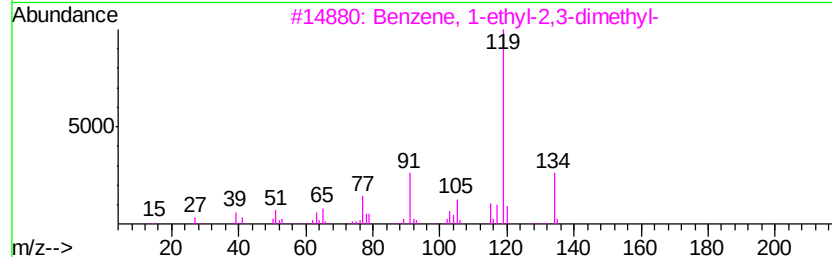
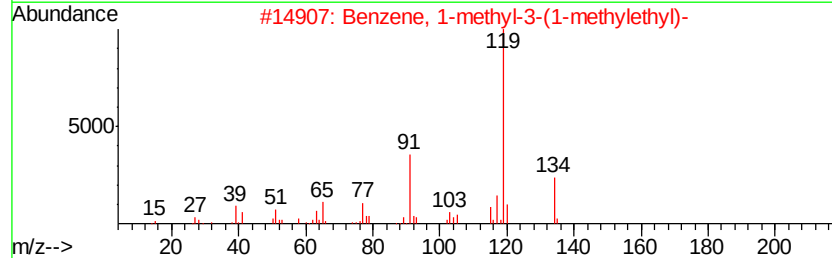
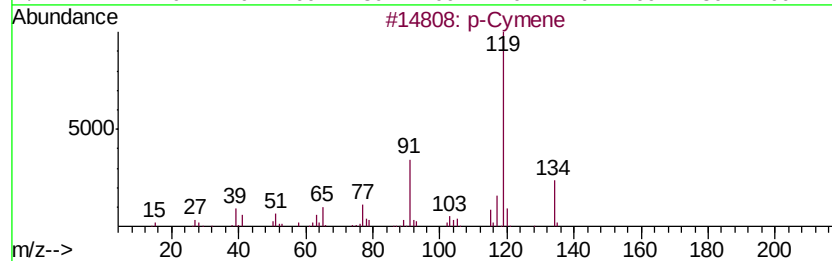
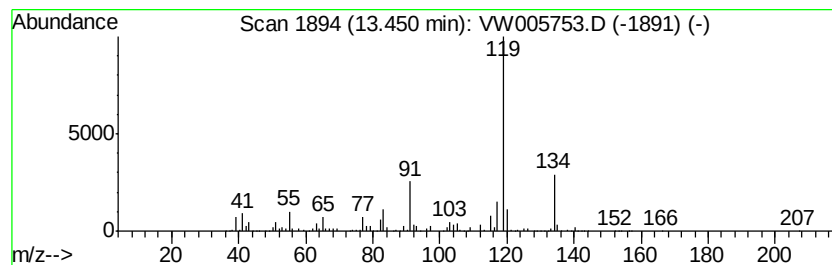
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Quant Title : VOC Analysis

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

Peak Number 30 p-Cymene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	4.12 ug/L	4904390	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	93
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5		o-Cymene	134	C10H14	000527-84-4	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

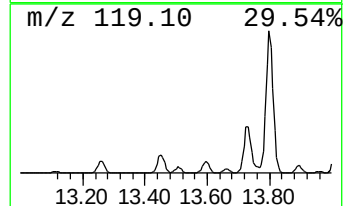
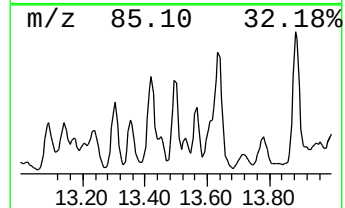
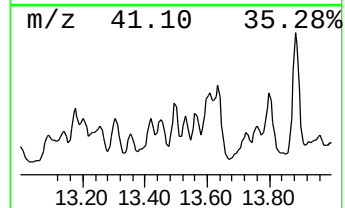
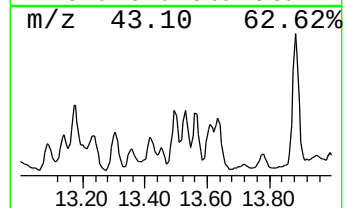
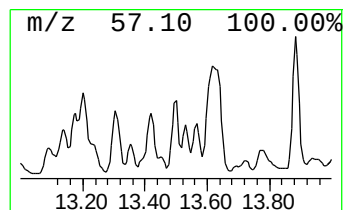
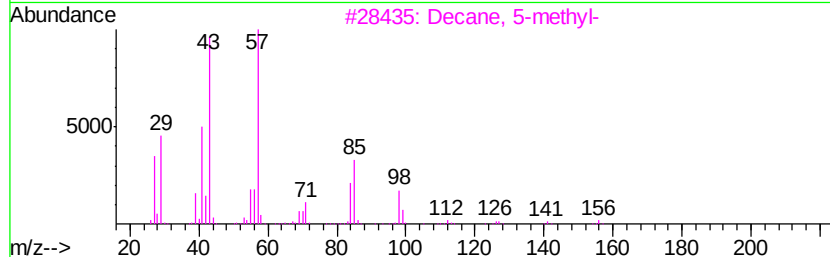
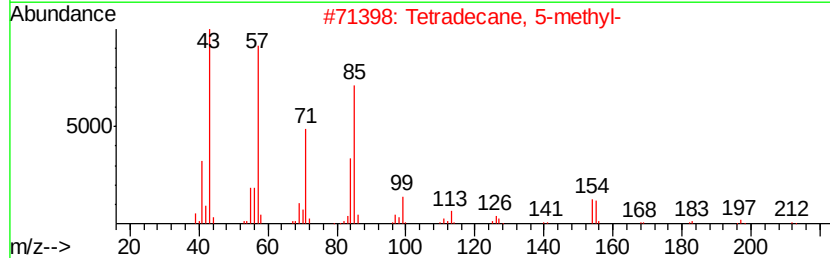
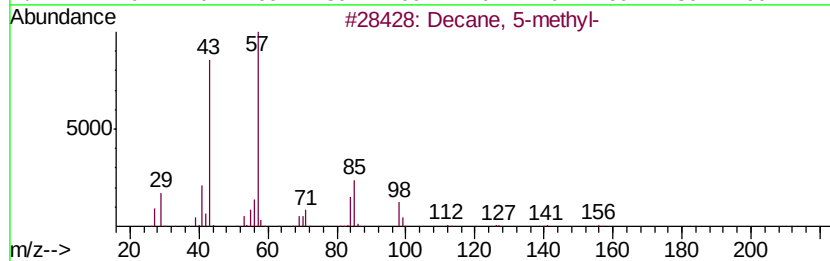
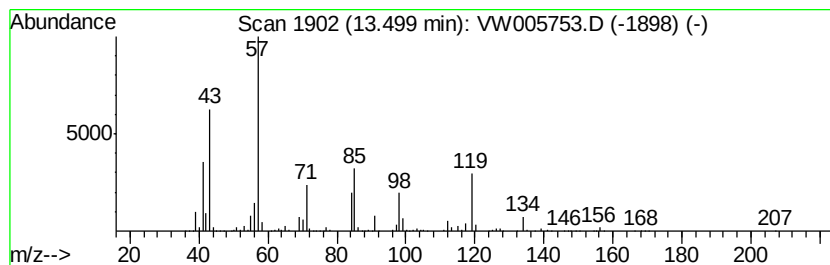
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.96 ug/L	3514840	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	64
2		Tetradecane, 5-methyl-	212	C15H32	025117-32-2	43
3		Decane, 5-methyl-	156	C11H24	013151-35-4	43
4		Heptane, 4-ethyl-	128	C9H20	002216-32-2	38
5		Heptane, 4-ethyl-	128	C9H20	002216-32-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

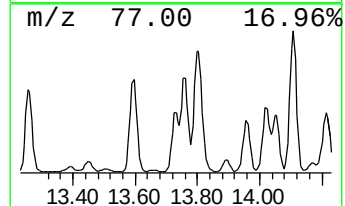
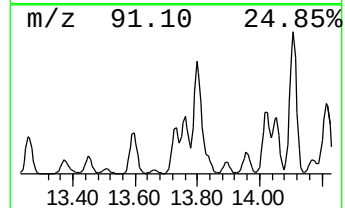
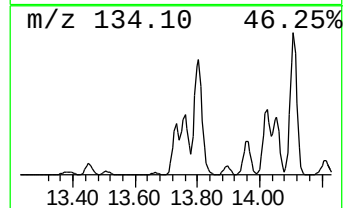
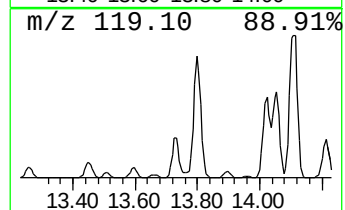
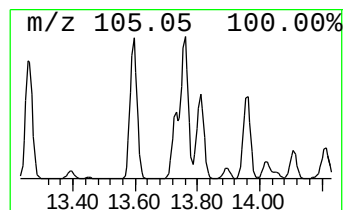
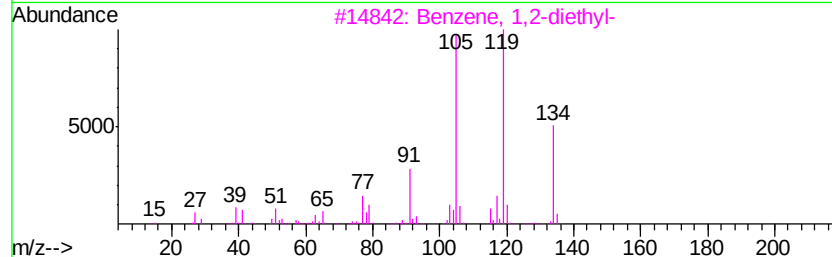
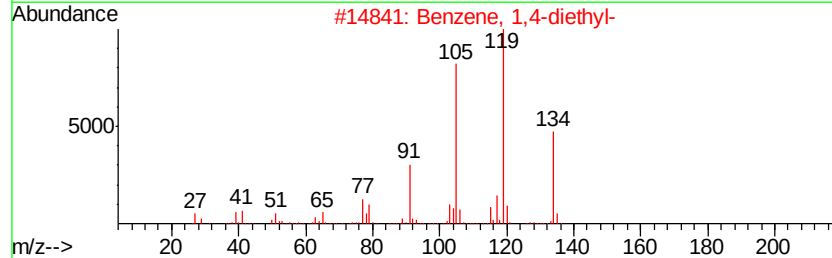
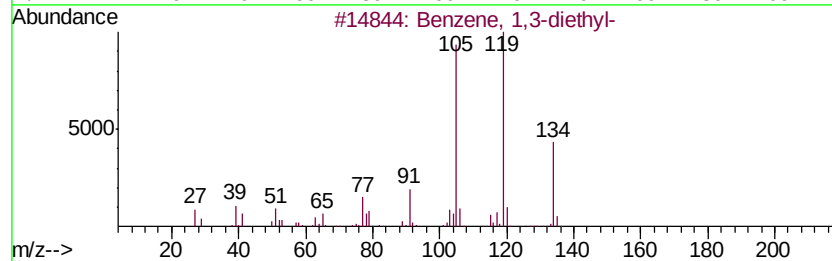
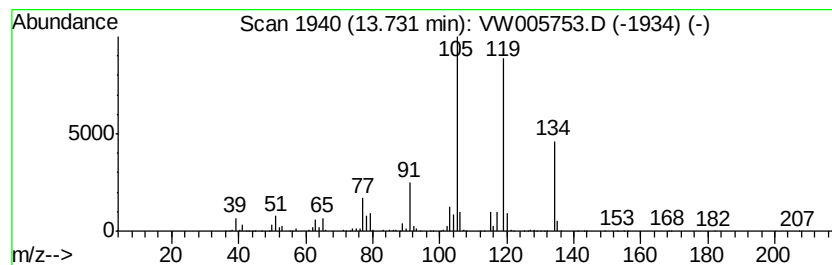
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, 1,3-diethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	15.61 ug/L	18562100	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

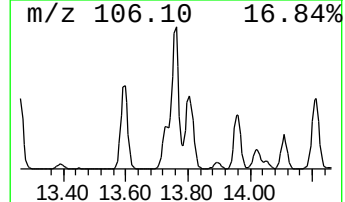
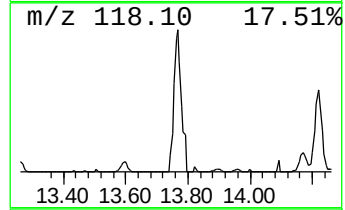
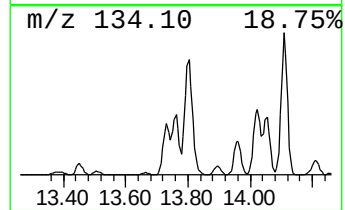
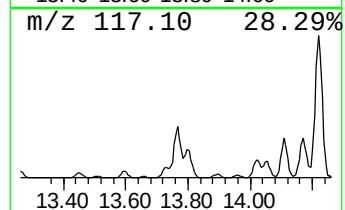
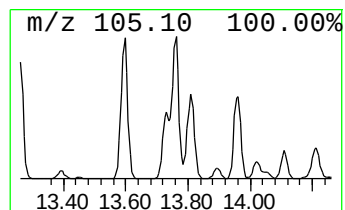
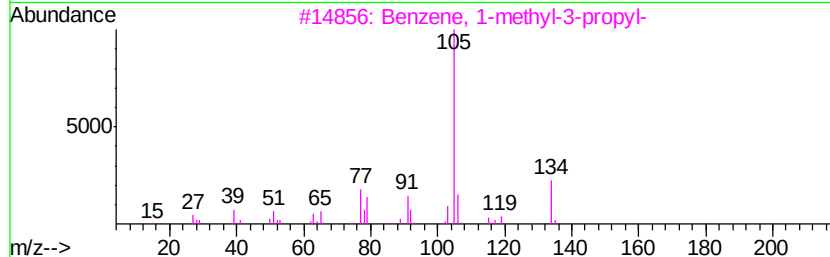
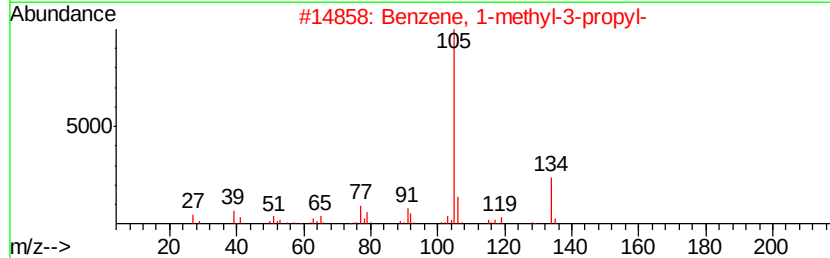
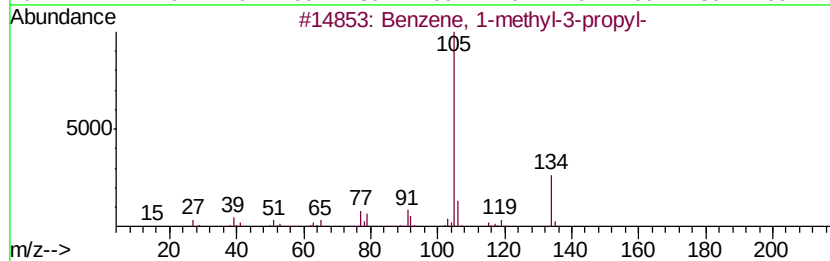
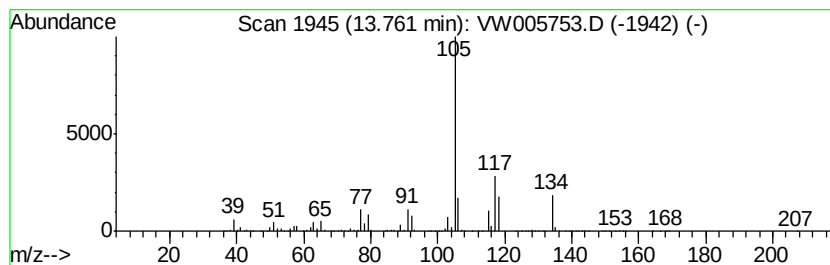
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1-methyl-3-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	22.72 ug/L	27027500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	58
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	53
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

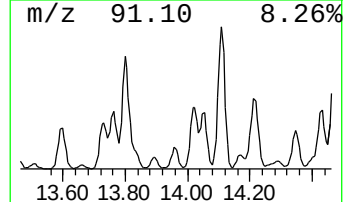
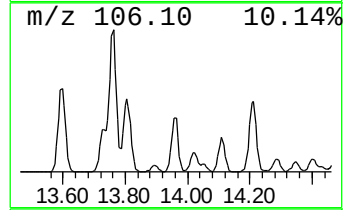
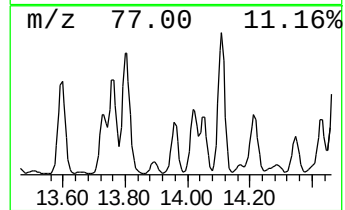
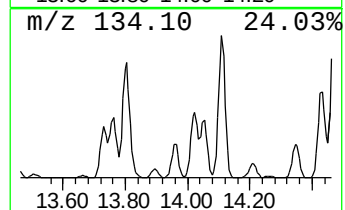
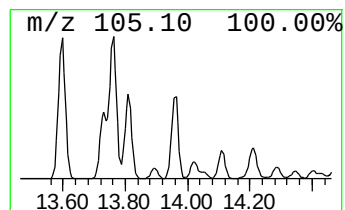
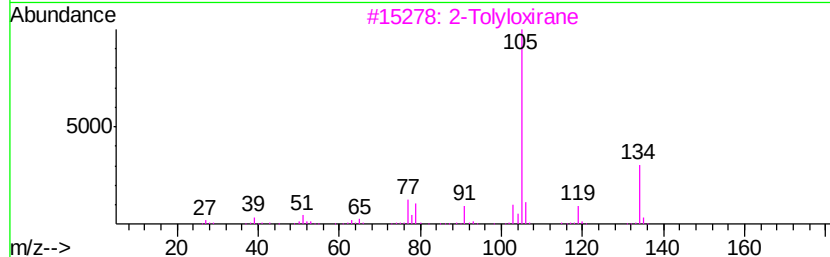
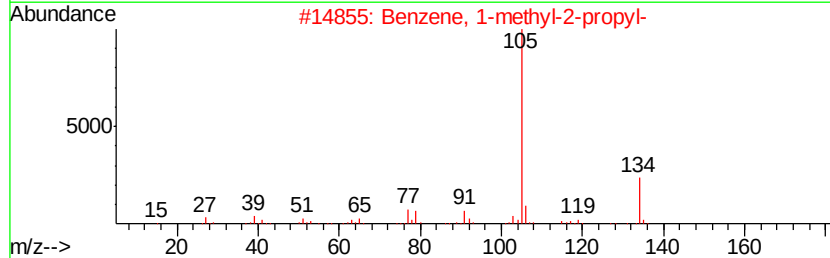
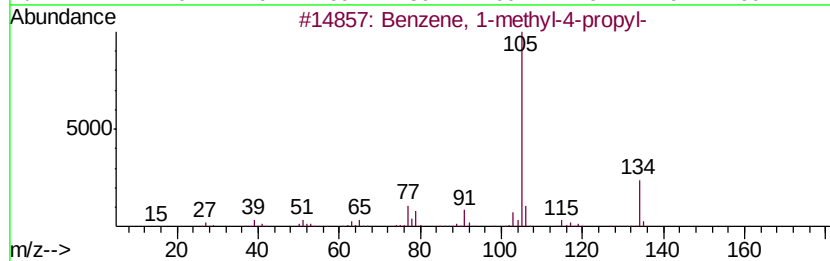
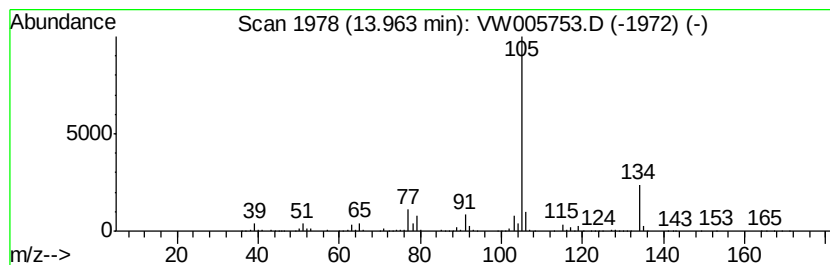
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 35 Benzene, 1-methyl-4-propyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	10.59 ug/L	12589700	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1 95
2		Benzene, 1-methyl-2-propyl-	134 C10H14	001074-17-5 94
3		2-Tolyloxirane	134 C9H10O	002783-26-8 91
4		Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1 91
5		Benzene, 1-methyl-4-propyl-	134 C10H14	001074-55-1 91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

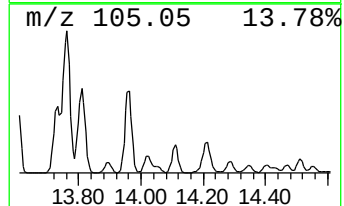
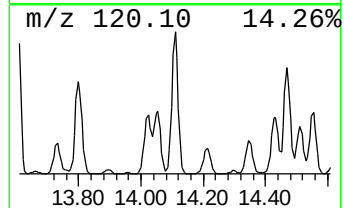
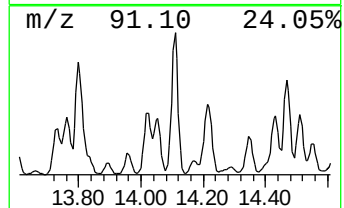
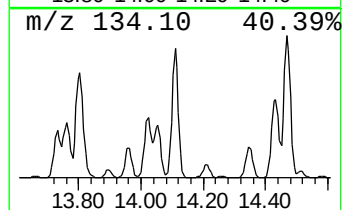
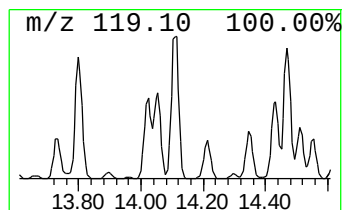
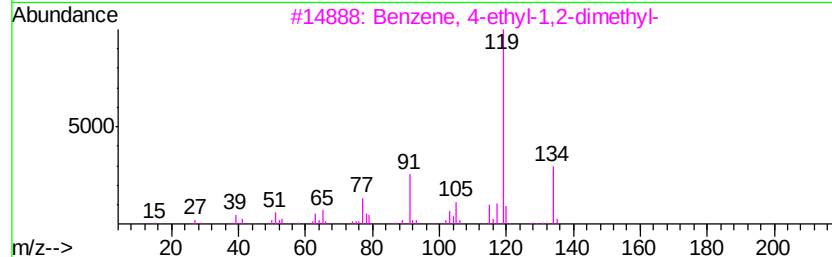
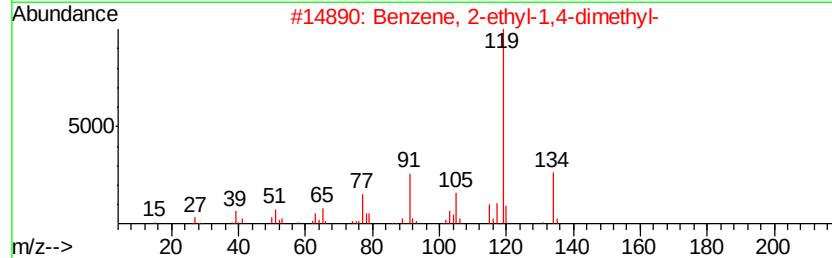
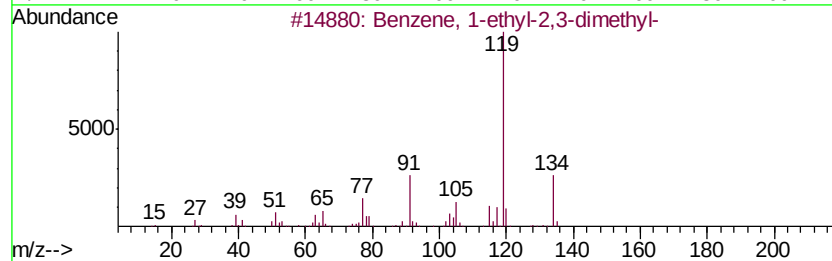
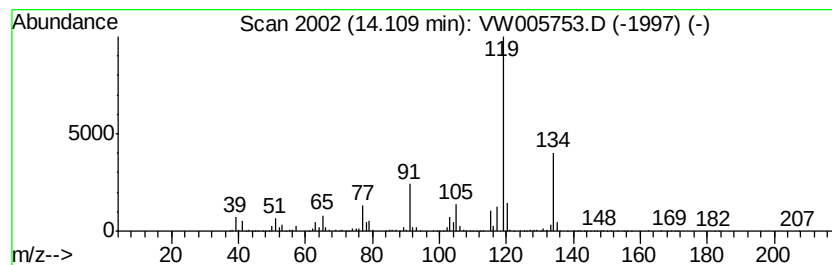
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	38.21 ug/L	45439900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

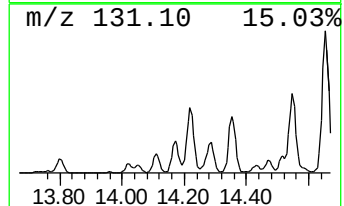
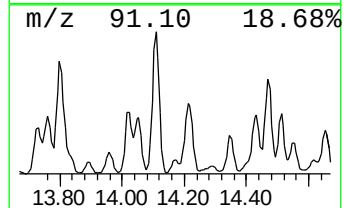
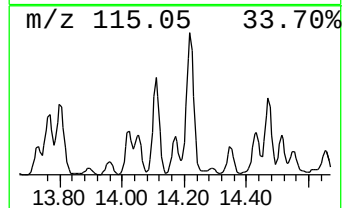
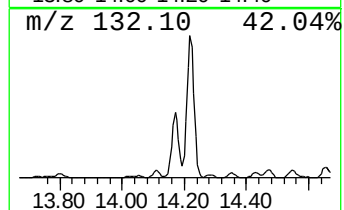
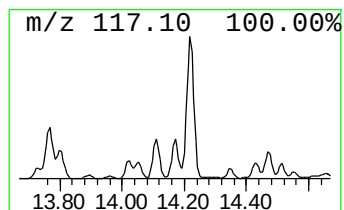
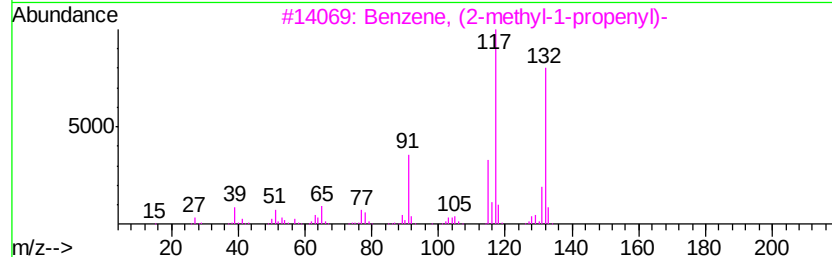
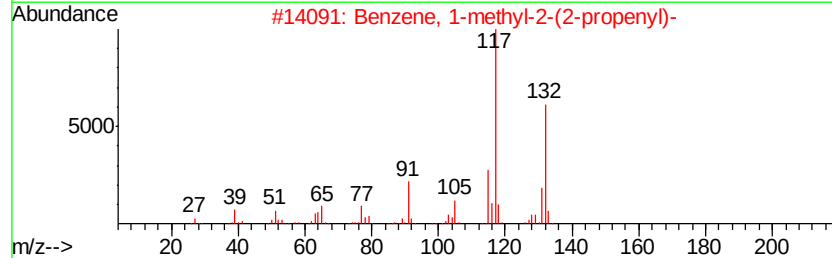
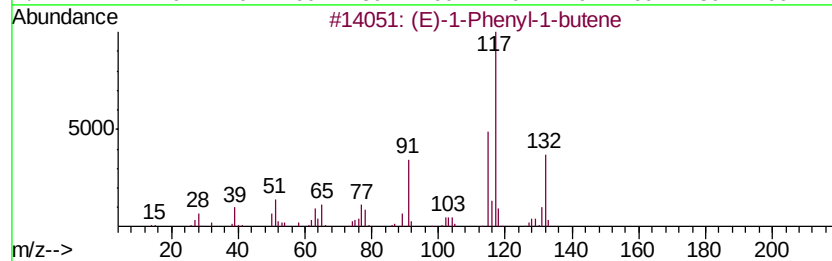
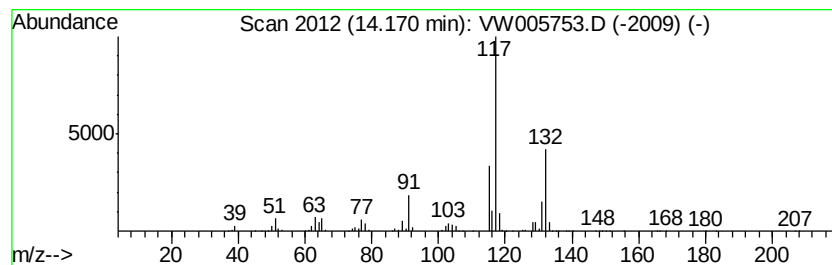
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Quant Title : VOC Analysis

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

Peak Number 39 (E)-1-Phenyl-1-butene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	3.25 ug/L	3871170	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3		Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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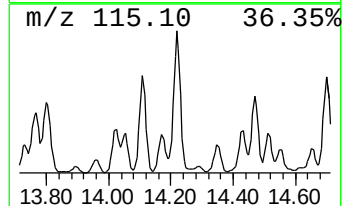
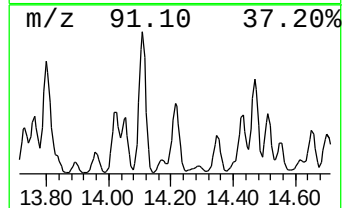
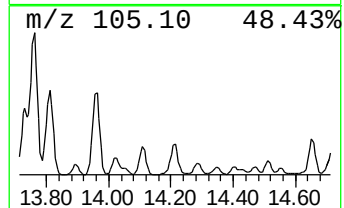
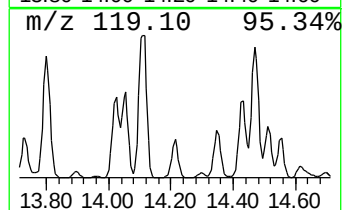
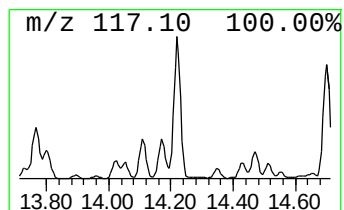
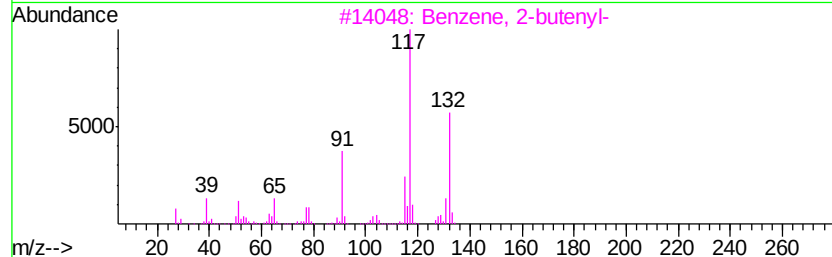
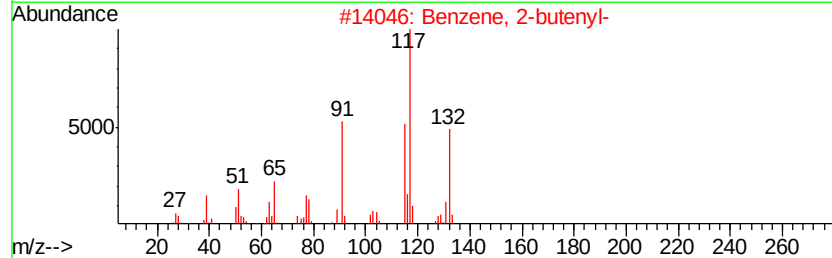
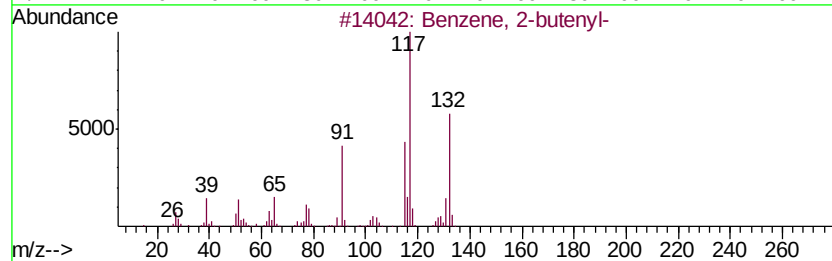
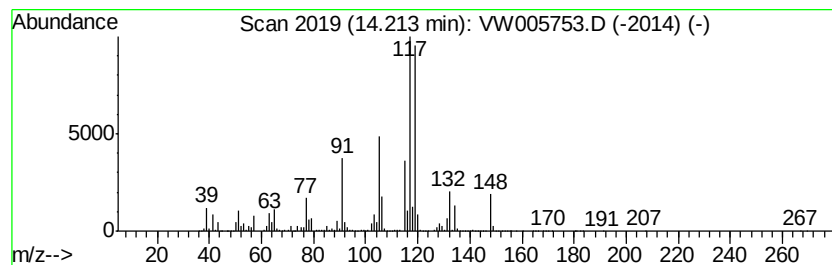
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Quant Title : VOC Analysis

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

Peak Number 40 Benzene, 2-butenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	23.27 ug/L	27680500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
2		Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
3		Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	55
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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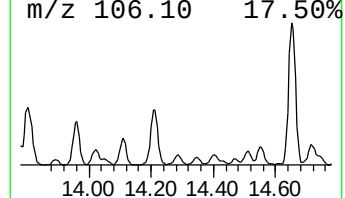
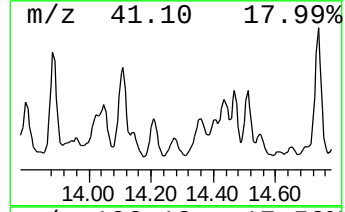
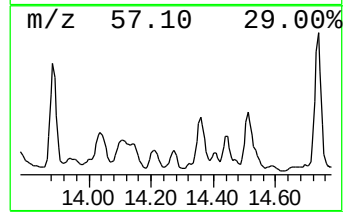
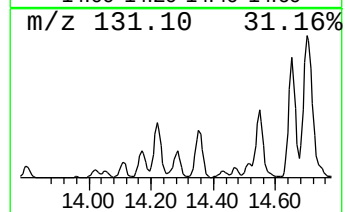
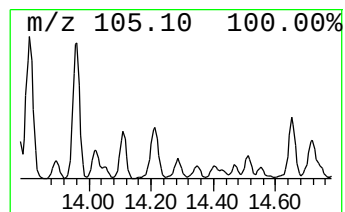
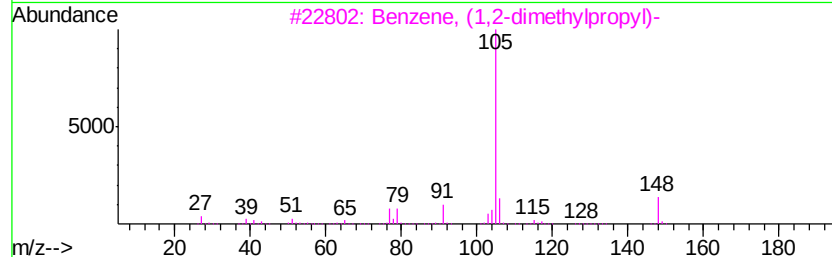
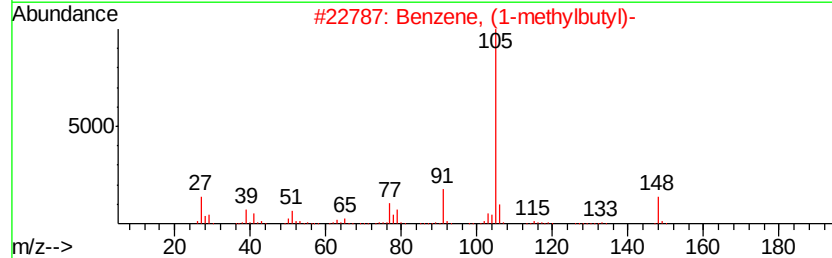
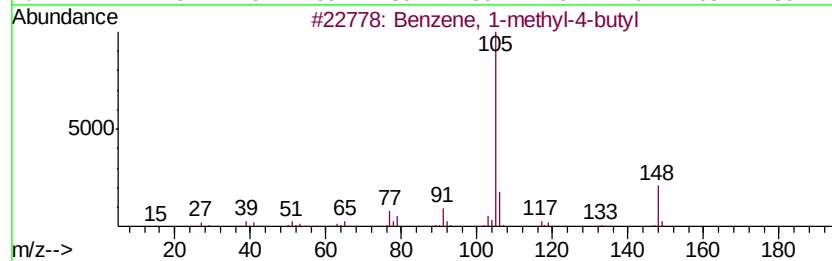
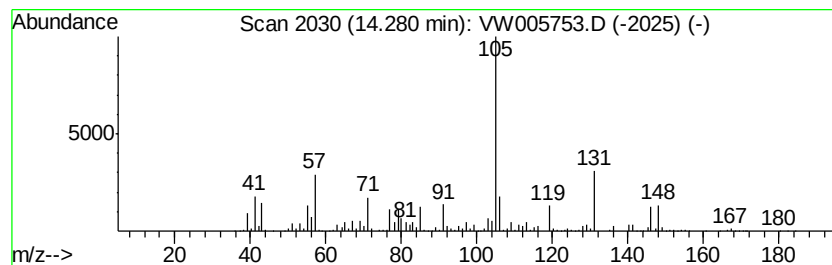
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Quant Title : VOC Analysis

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

Peak Number 41 Benzene, 1-methyl-4-butyl Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	3.80 ug/L	4522400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	38
2		Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	30
3		Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	30
4		Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	25
5		Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

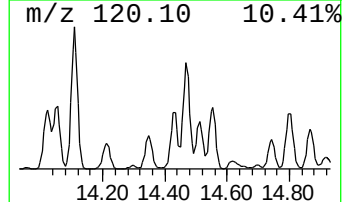
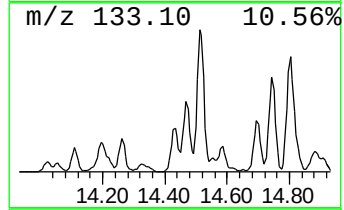
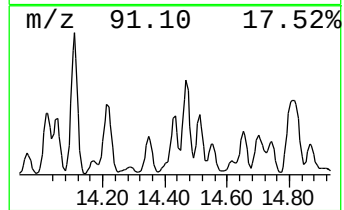
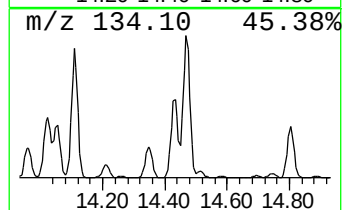
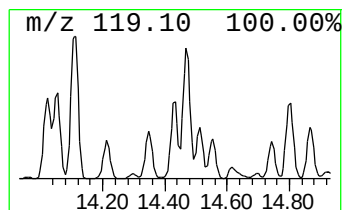
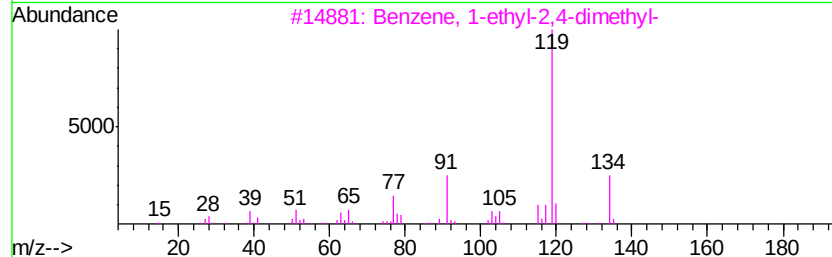
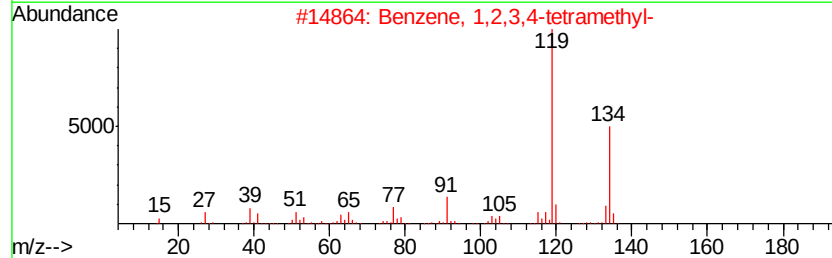
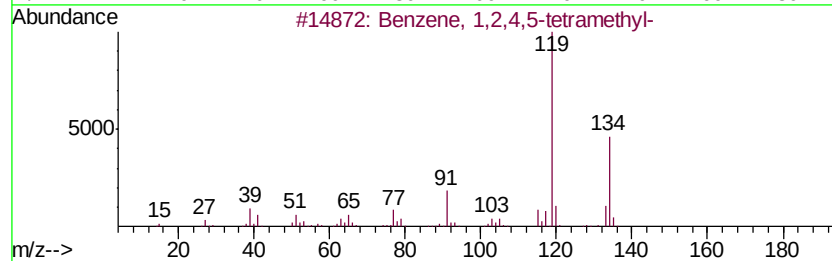
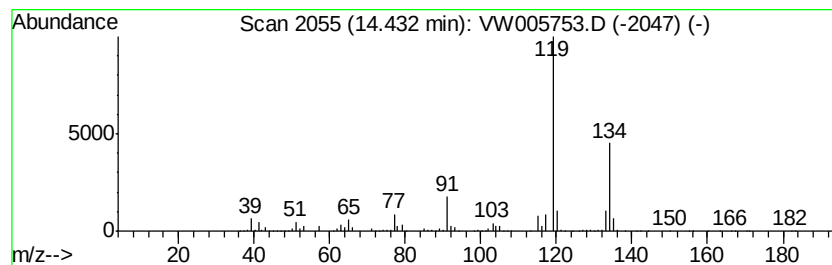
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Quant Title : VOC Analysis

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

Peak Number 43 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	22.29 ug/L	26508000	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	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4		o-Cymene	134	C10H14	000527-84-4	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

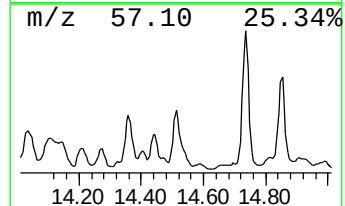
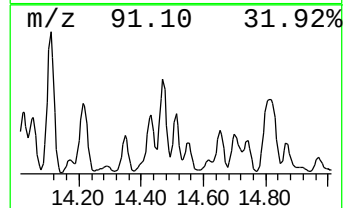
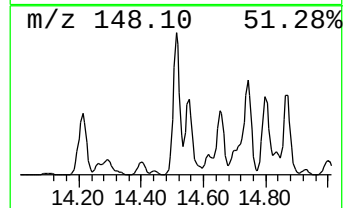
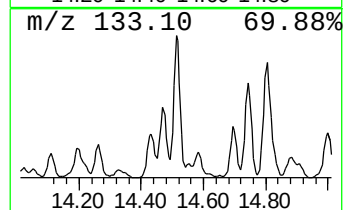
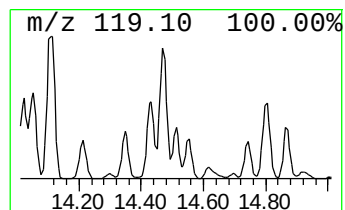
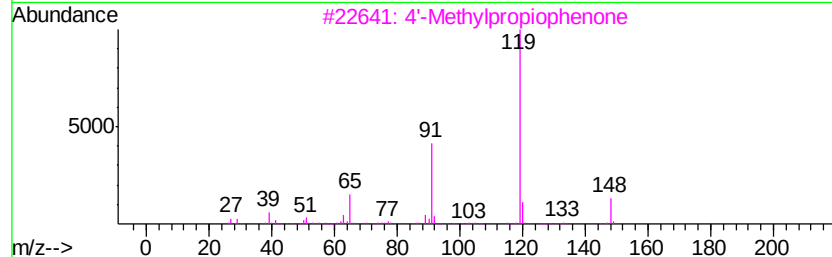
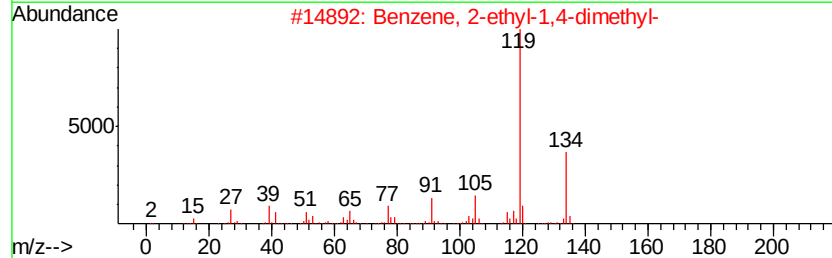
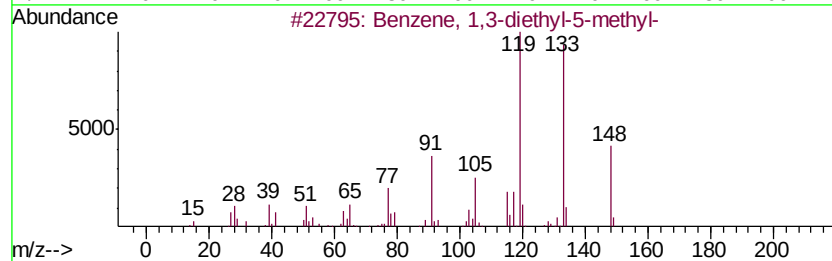
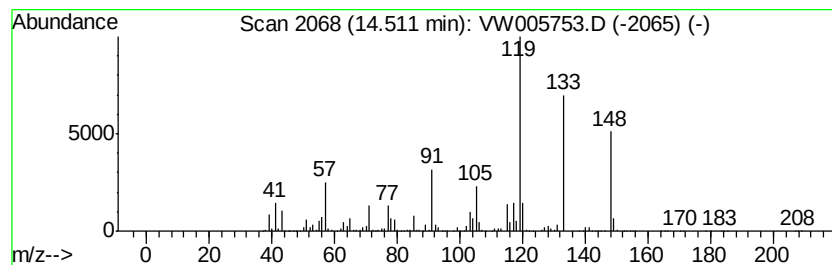
Instrument :
MSVOA_W
ClientSampled :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 45 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	15.96 ug/L	18975800	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1,3-diethyl-5-methyl-	148 C11H16	002050-24-0 58
2		Benzene, 2-ethyl-1,4-dimethyl-	134 C10H14	001758-88-9 49
3		4'-Methylpropiophenone	148 C10H12O	005337-93-9 49
4		Benzene, pentamethyl-	148 C11H16	000700-12-9 45
5		o-Cymene	134 C10H14	000527-84-4 43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

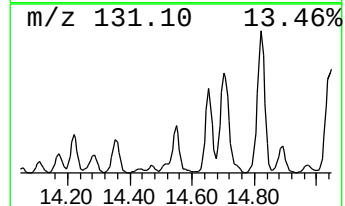
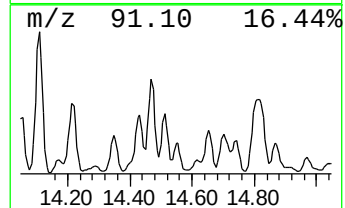
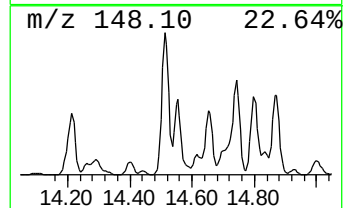
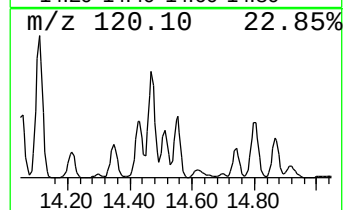
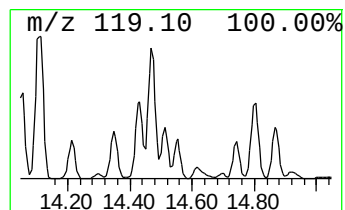
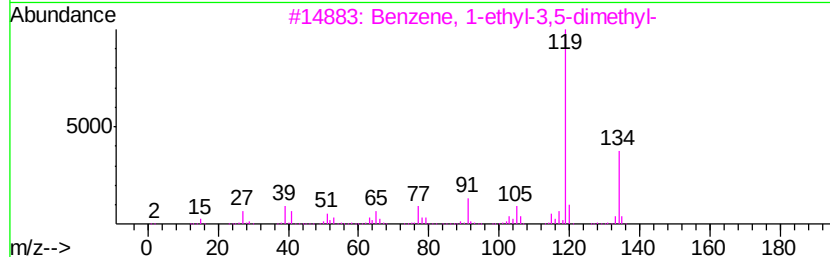
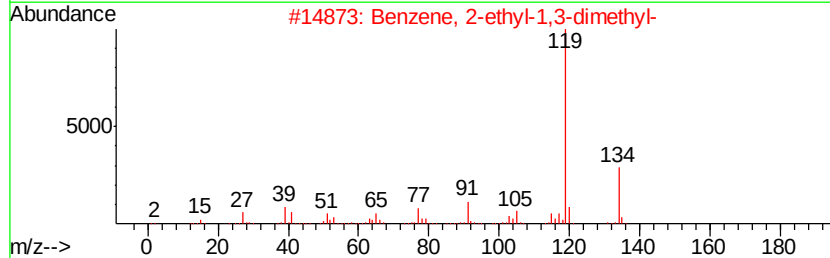
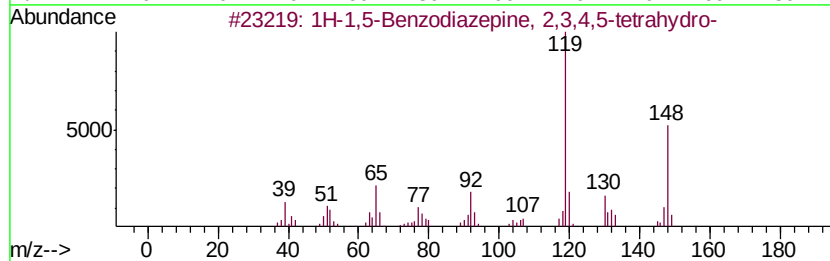
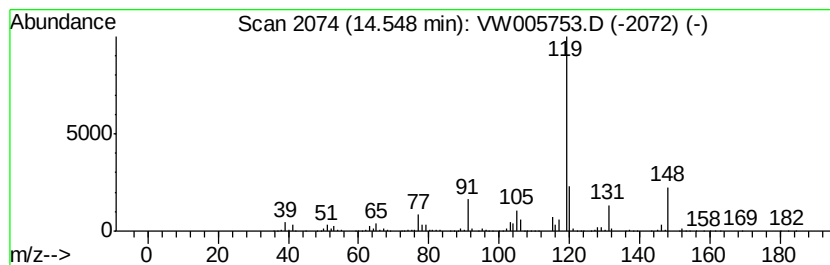
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Quant Title : VOC Analysis

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

Peak Number 46 1H-1,5-Benzodiazepine, 2,3,... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	7.93 ug/L	9427990	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-1,5-Benzodiazepine, 2,3,4,5-t...	148	C9H12N2	006516-89-8	64
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	59
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	59
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

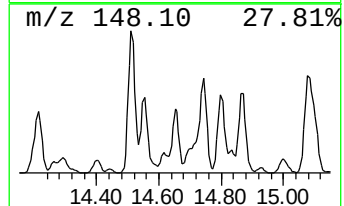
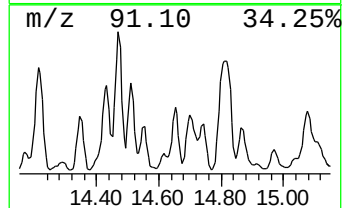
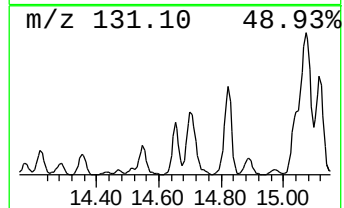
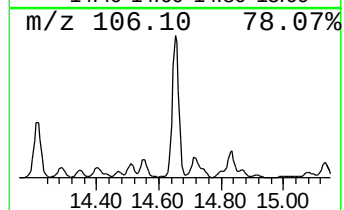
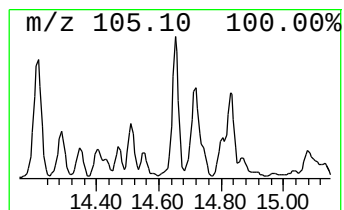
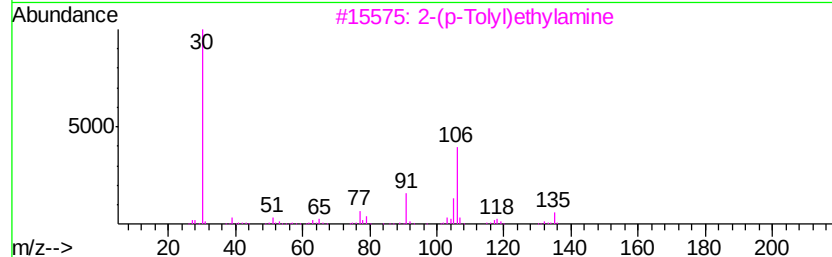
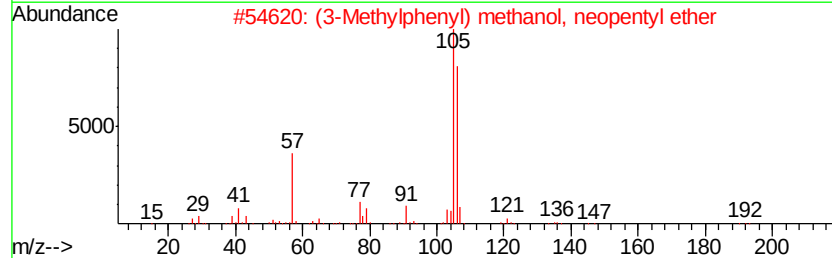
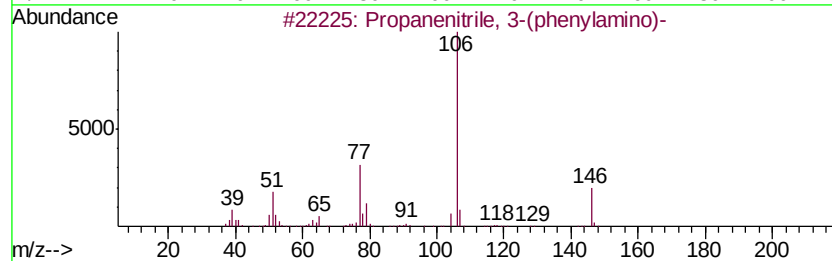
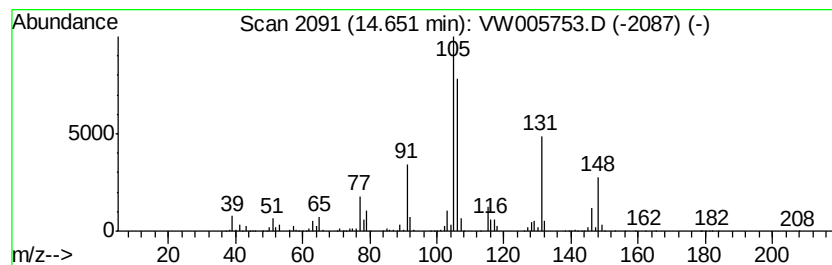
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 47 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.65	7.48 ug/L	8896080	1,4-Dichlorobenzene-d4	13.57	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	46
2	(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	43
3	2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	43
4	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	41
5	1-Hexen-4-ol, 3-methyl-5-phenyl-	190	C13H18O	1000196-46-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

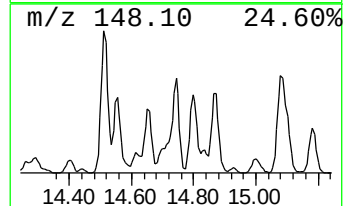
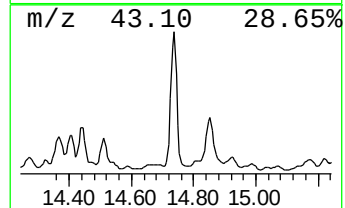
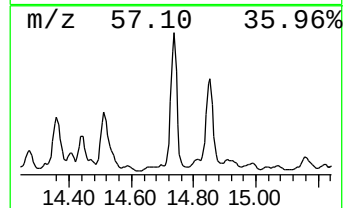
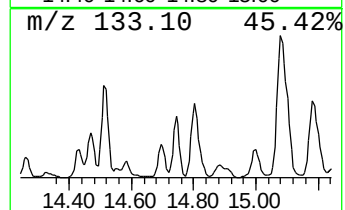
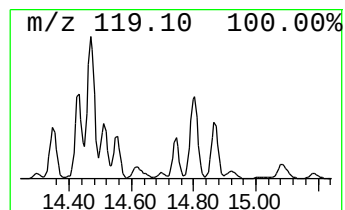
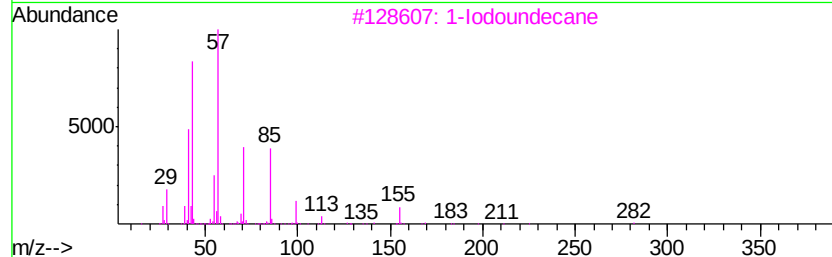
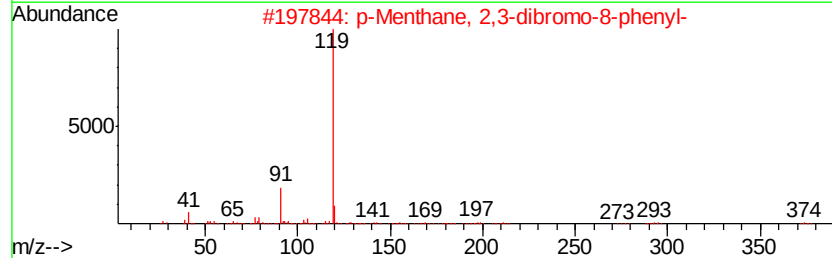
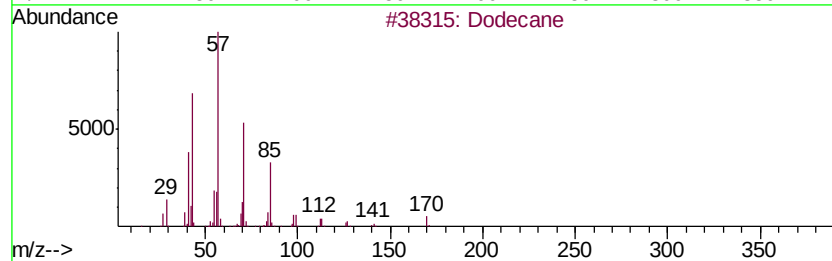
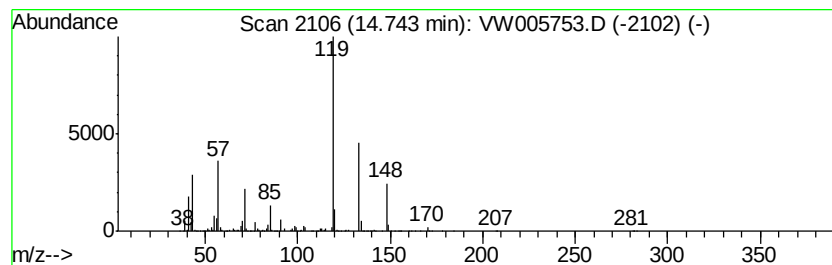
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	16.29 ug/L	19371700	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane		170 C12H26	000112-40-3 45
2	p-Menthane, 2,3-dibromo-8-phenyl-		372 C16H22Br2	1000152-61-6 27
3	1-Iodoundecane		282 C11H23I	004282-44-4 15
4	Undecane		156 C11H24	001120-21-4 15
5	Dodecane		170 C12H26	000112-40-3 11



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

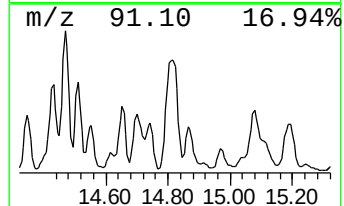
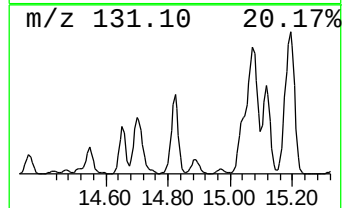
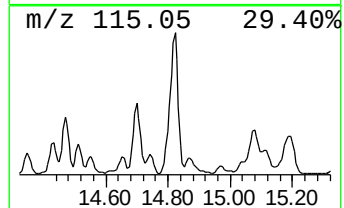
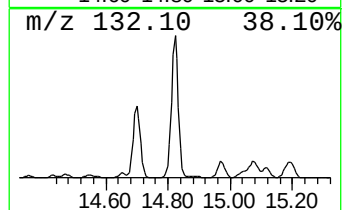
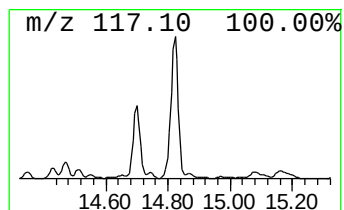
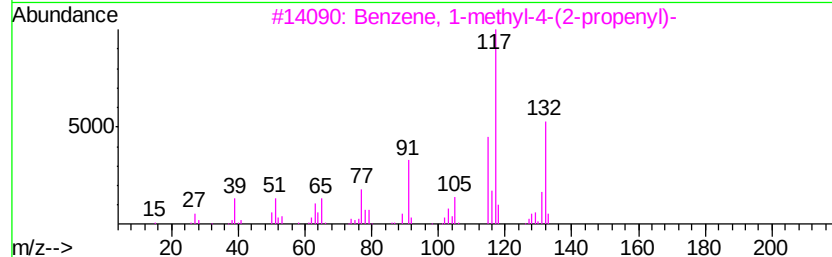
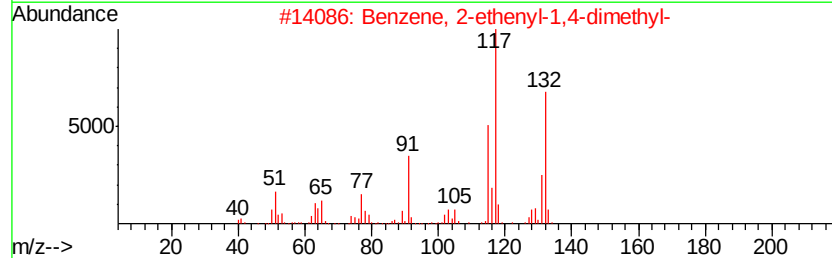
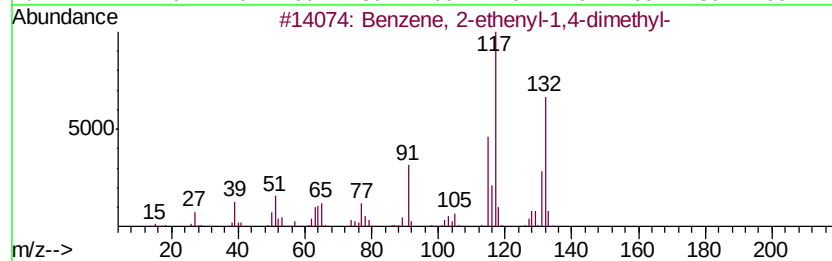
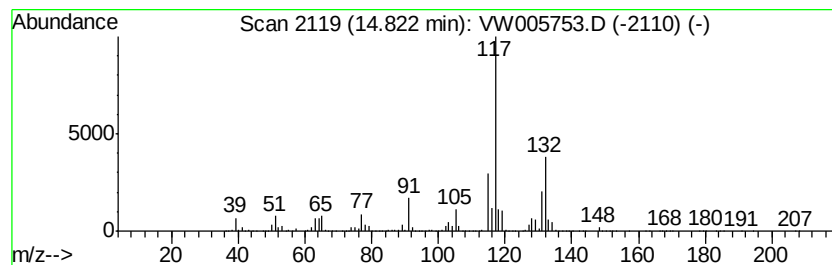
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	47.58 ug/L	56591000	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3		Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
5		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

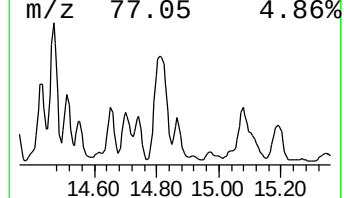
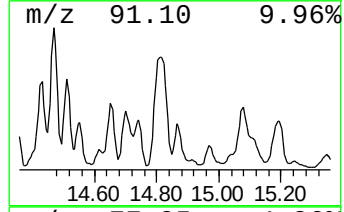
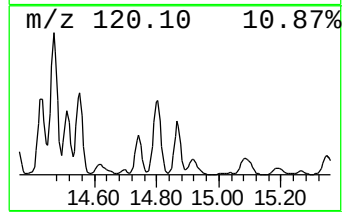
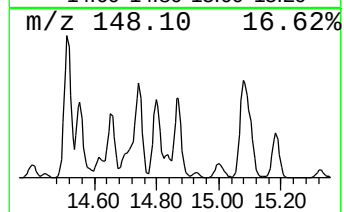
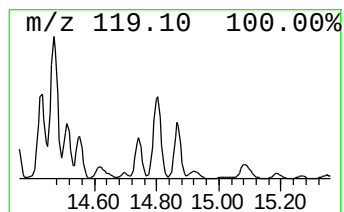
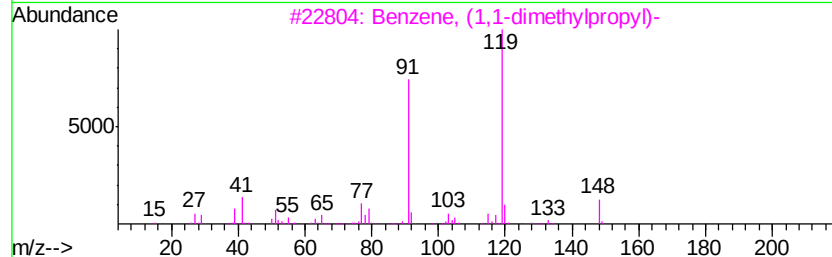
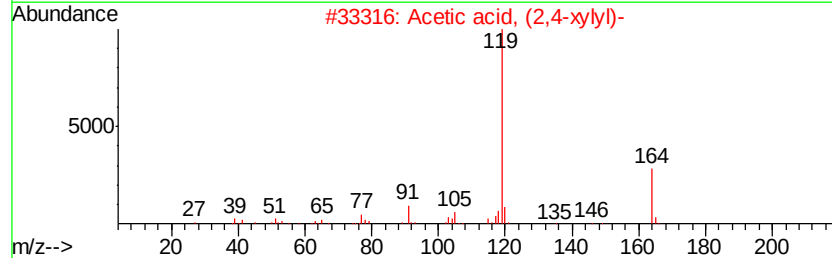
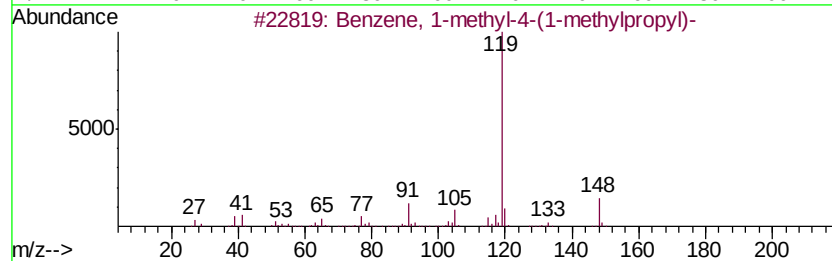
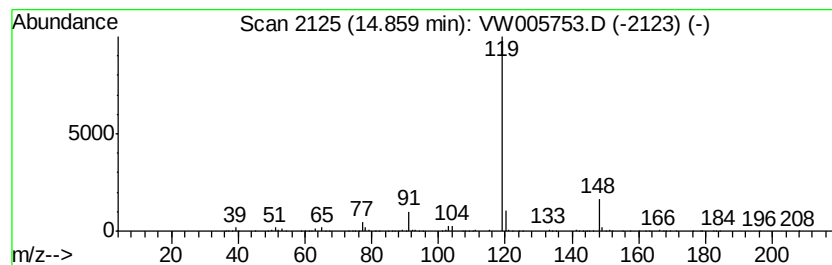
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 51 Benzene, 1-methyl-4-(1-meth... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	10.29 ug/L	12234500	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, 1-methyl-4-(1-methylpro...	148 C11H16	001595-16-0 90
2		Acetic acid, (2,4-xylyl)-	164 C10H12O2	006331-04-0 72
3		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 64
4		Benzene, (1,1-dimethylpropyl)-	148 C11H16	002049-95-8 64
5		Benzene, 1-ethyl-2,4-dimethyl-	134 C10H14	000874-41-9 56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

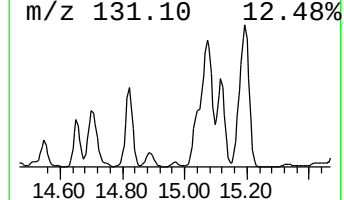
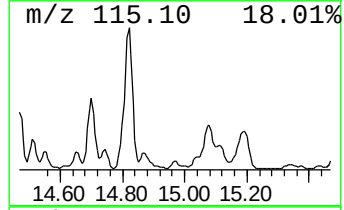
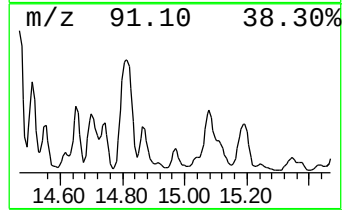
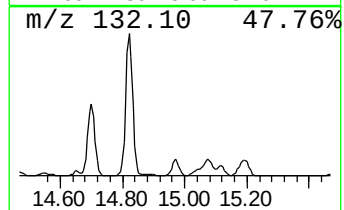
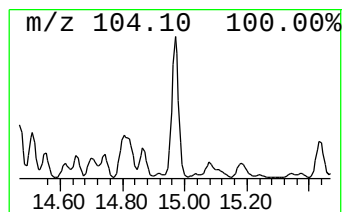
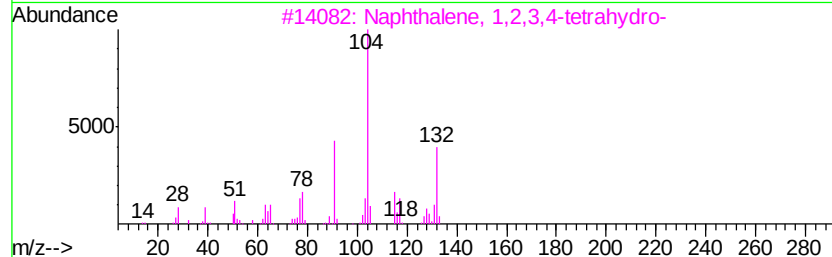
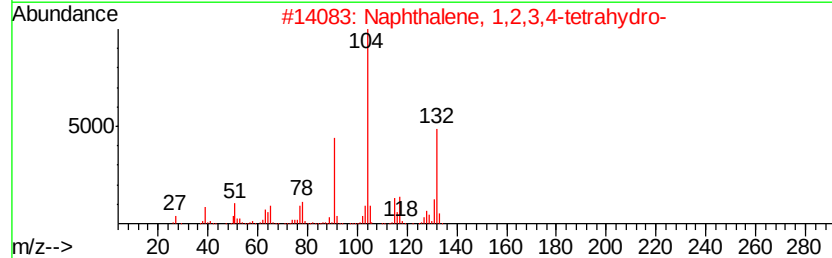
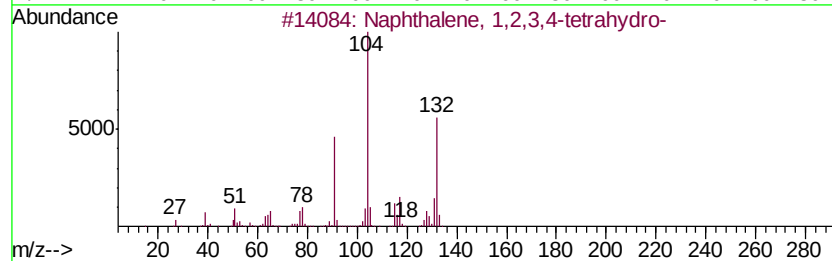
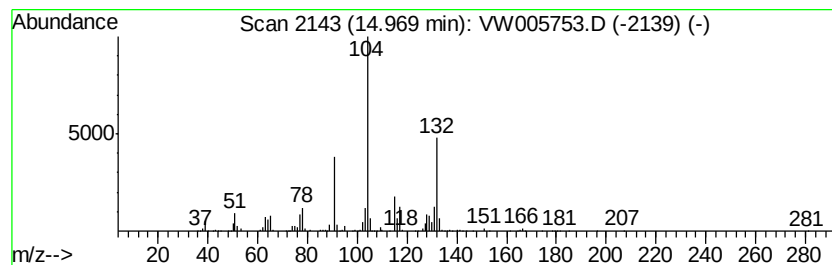
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 52 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	2.53 ug/L	3013940	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	94
4		Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
5		Indan, epoxide	132	C9H8O	000768-22-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

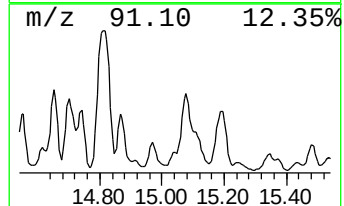
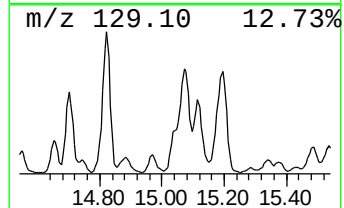
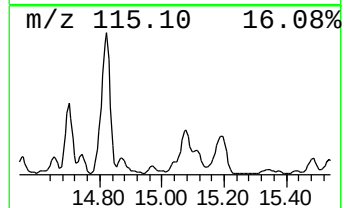
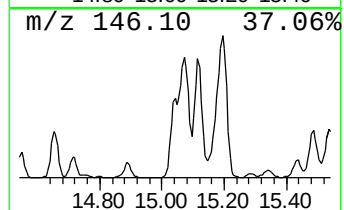
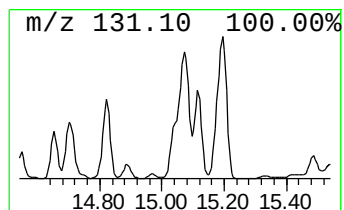
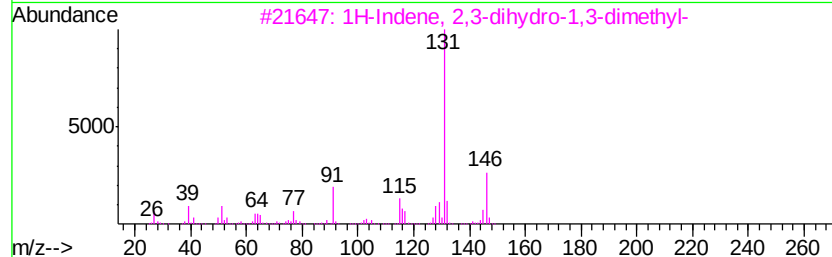
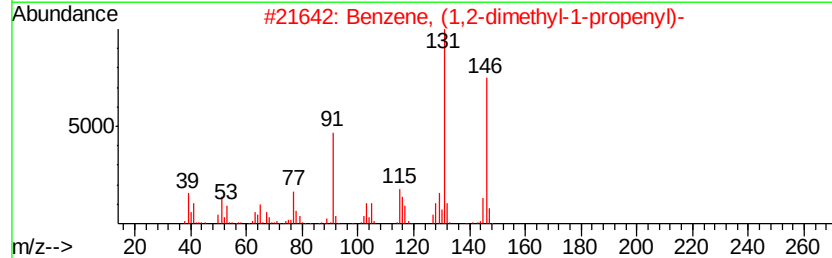
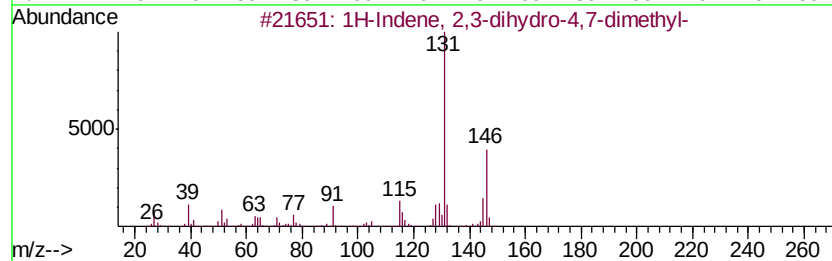
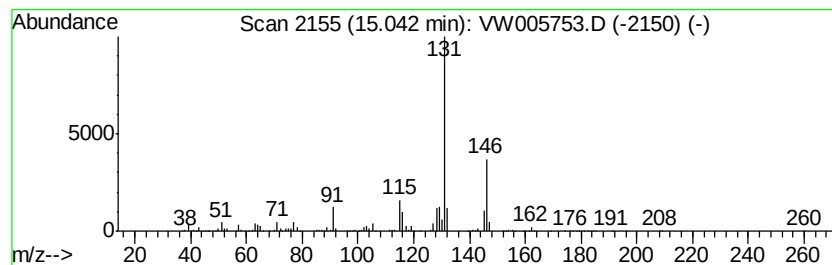
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Quant Title : VOC Analysis

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

Peak Number 53 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	2.42 ug/L	2876560	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
4			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	94
5			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

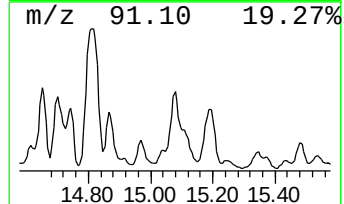
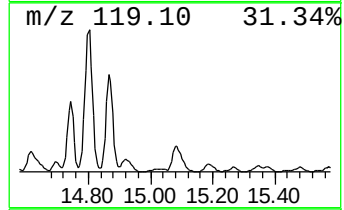
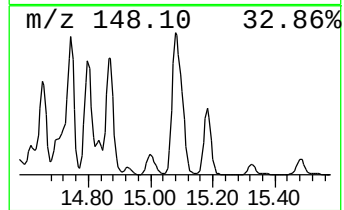
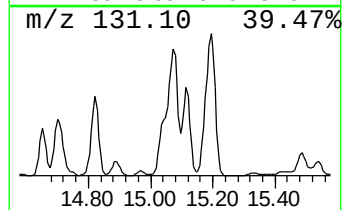
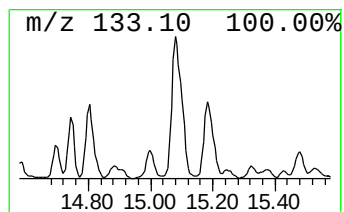
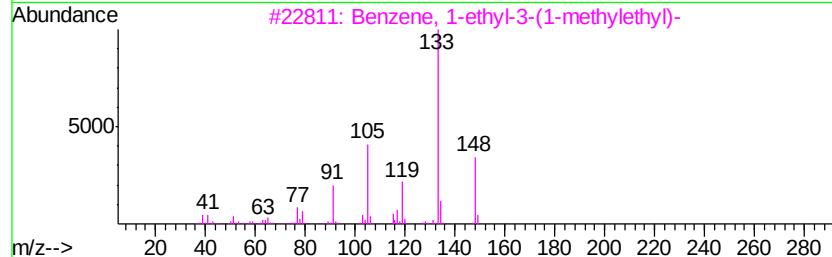
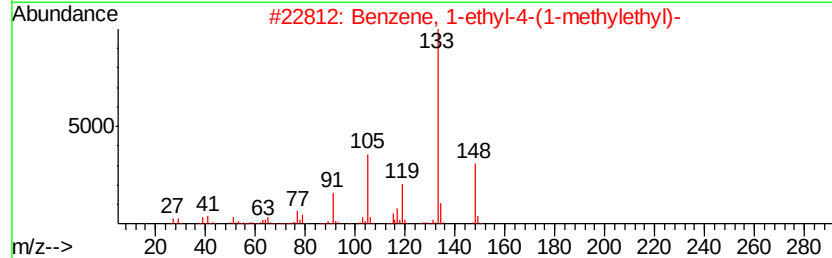
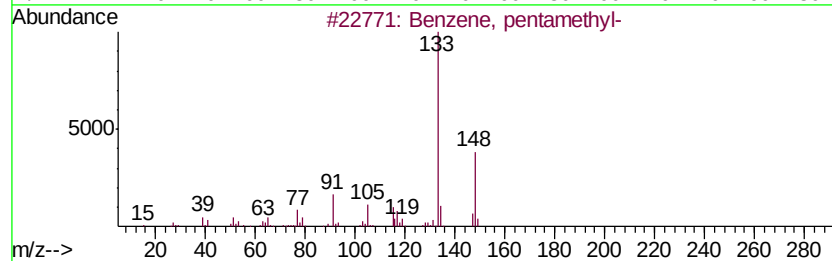
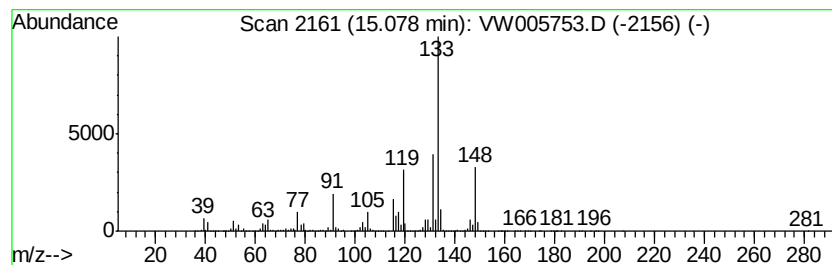
Instrument :
MSVOA_W
ClientSampleId :
JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 54 Benzene, pentamethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	26.06 ug/L	30989300	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzene, pentamethyl-	148 C11H16	000700-12-9 64
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148 C11H16	004218-48-8 62
3		Benzene, 1-ethyl-3-(1-methylethyl)-	148 C11H16	004920-99-4 62
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148 C11H16	004218-48-8 58
5		1,5,6,7-Tetramethylbicyclo[3.2.0...	148 C11H16	134329-46-7 52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

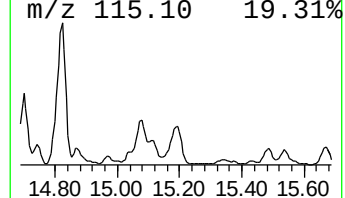
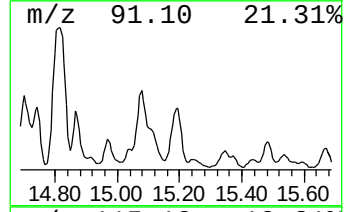
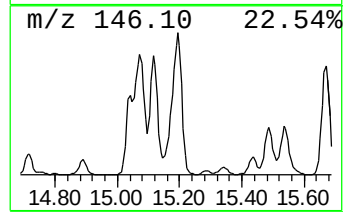
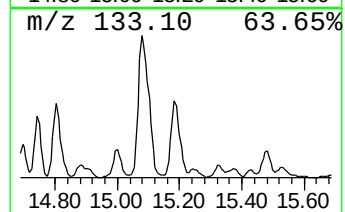
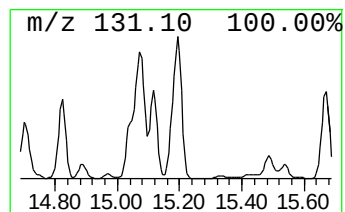
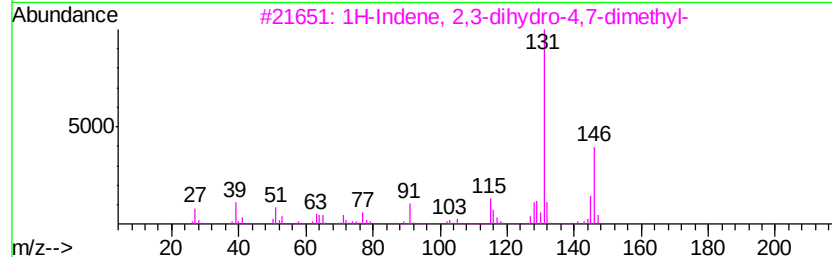
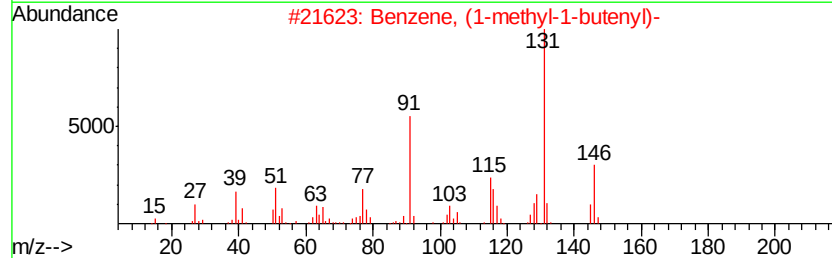
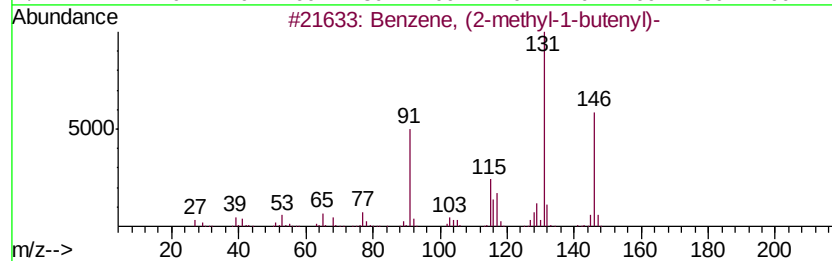
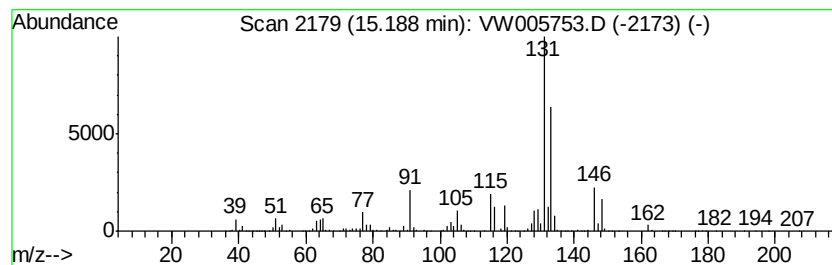
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Quant Title : VOC Analysis

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

Peak Number 55 Benzene, (2-methyl-1-butenyl)- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	15.87 ug/L	18870200	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	92
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
4		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	70
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

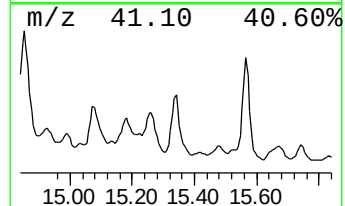
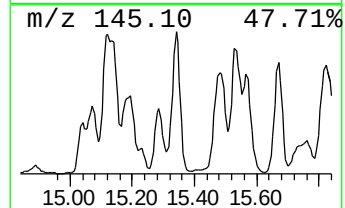
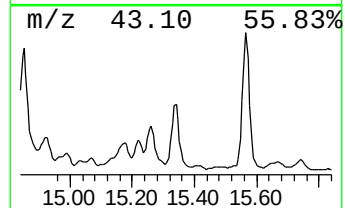
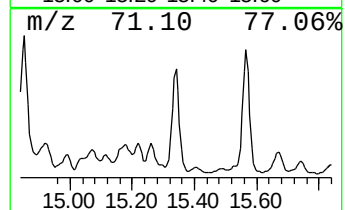
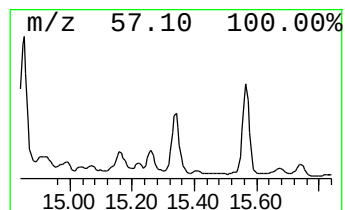
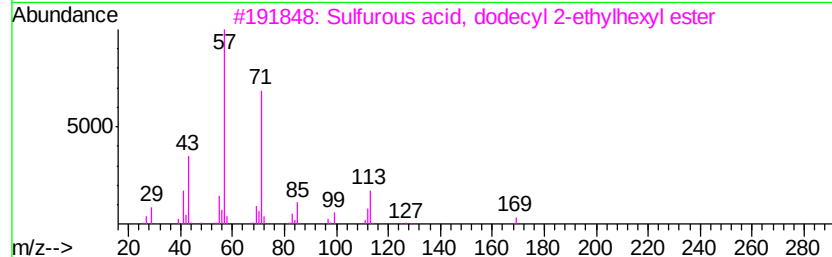
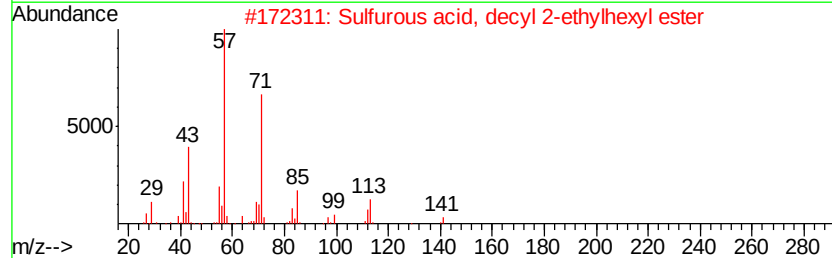
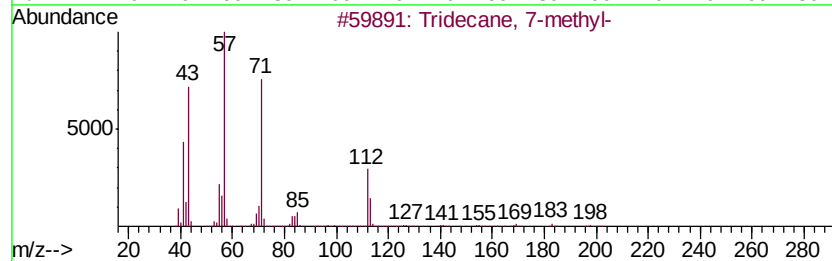
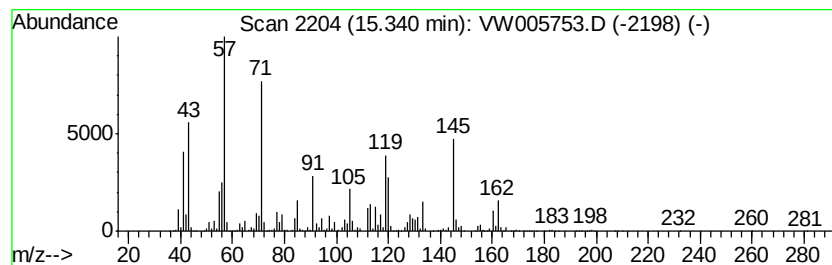
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Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.61 ug/L	6668000	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 7-methyl-	198	C14H30	026730-14-3	30
2			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	30
3			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	30
4			Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	30
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

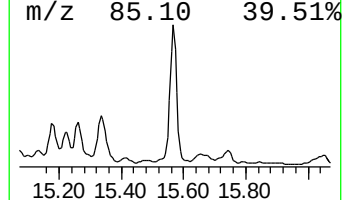
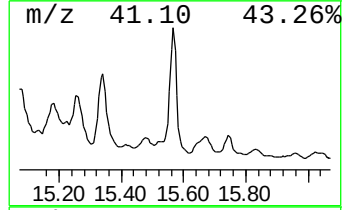
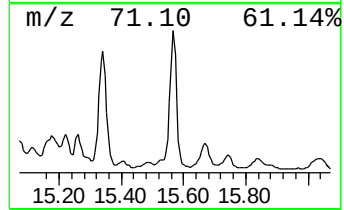
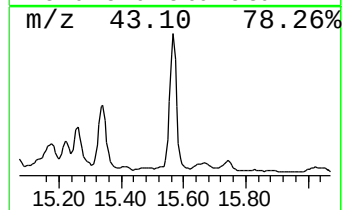
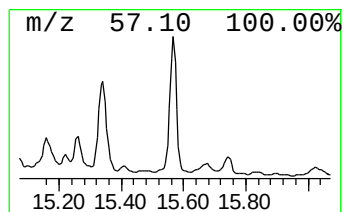
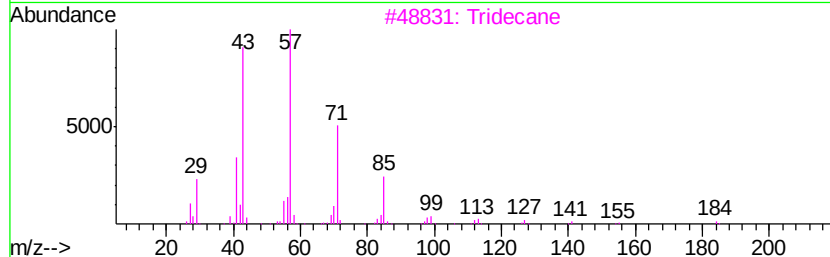
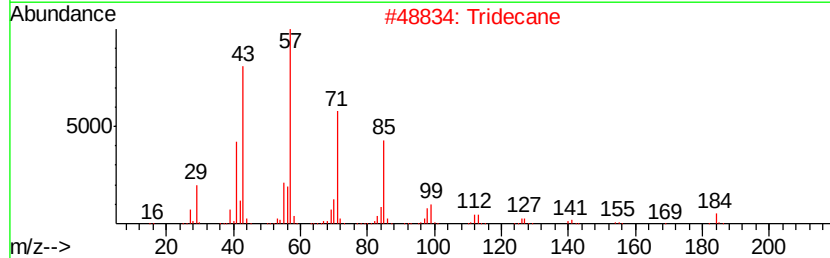
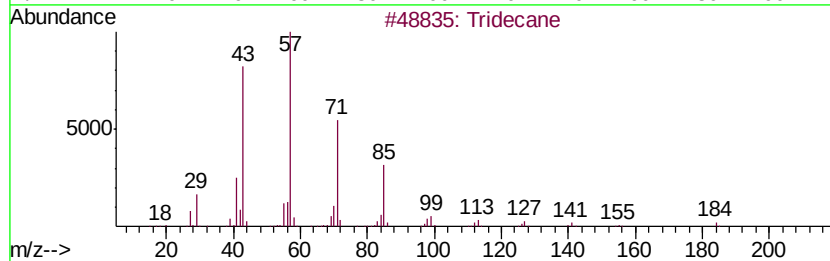
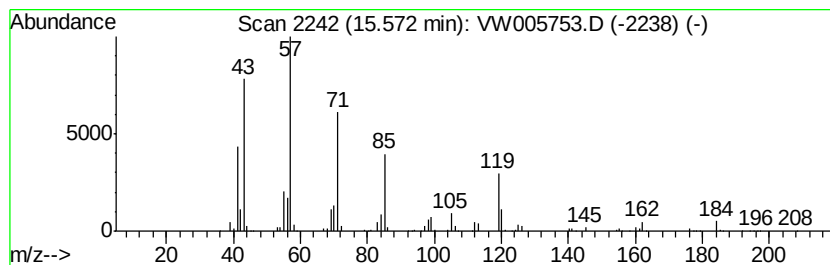
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Quant Title : VOC Analysis

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

Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	5.87 ug/L	6984990	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	96
2		Tridecane	184	C13H28	000629-50-5	93
3		Tridecane	184	C13H28	000629-50-5	89
4		Tetradecane	198	C14H30	000629-59-4	68
5		Dodecane	170	C12H26	000112-40-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
Data File : VW005753.D
Acq On : 02 Oct 2018 00:13
Operator : SY/AP
Sample : J5180-20
Misc : 4.01G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JLC29

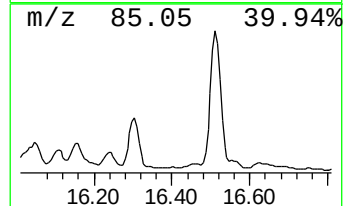
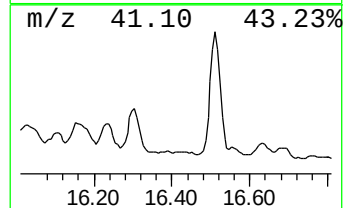
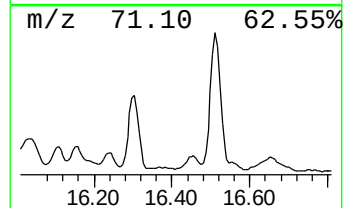
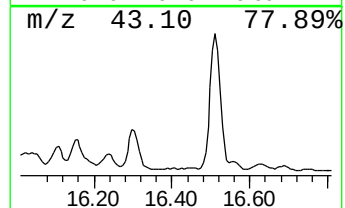
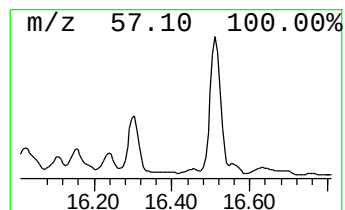
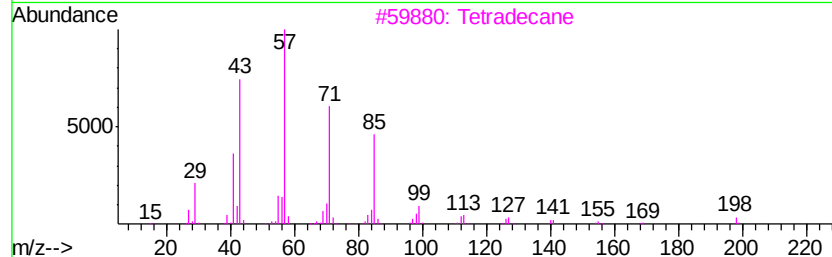
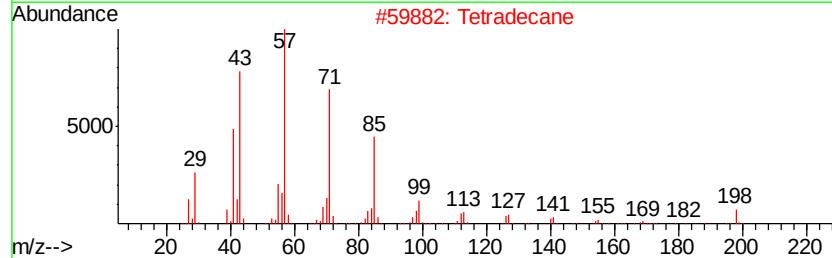
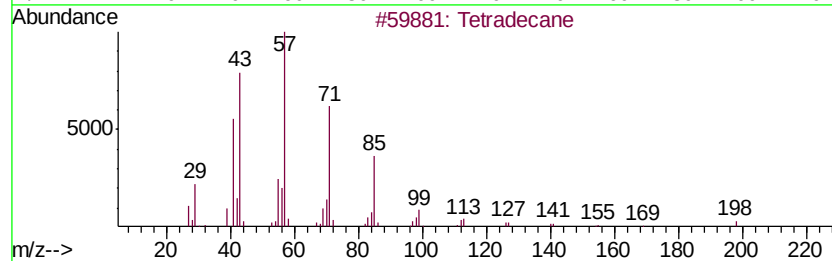
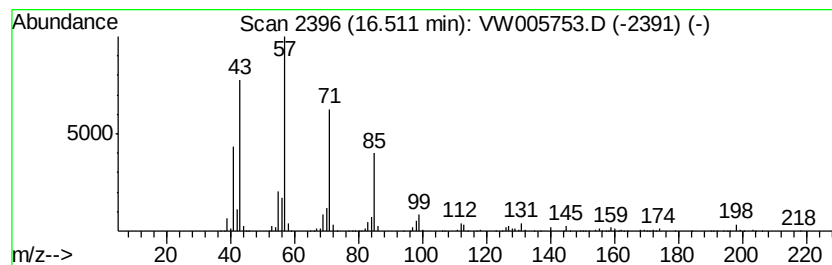
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
Quant Title : VOC Analysis

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

Peak Number 66 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	1.73 ug/L	2056790	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	98
2			Tetradecane	198	C14H30	000629-59-4	97
3			Tetradecane	198	C14H30	000629-59-4	96
4			Tetradecane	198	C14H30	000629-59-4	95
5			Tridecane	184	C13H28	000629-50-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100118\
 Data File : VW005753.D
 Acq On : 02 Oct 2018 00:13
 Operator : SY/AP
 Sample : J5180-20
 Misc : 4.01G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JLC29

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092818S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Propanal, 2-methyl-	5.79	5.5	ug/L	88246	1	8.85	401177	25.0
Butanal	6.90	4.6	ug/L	73574	1	8.85	401177	25.0
Pentanal	9.41	5.5	ug/L	88598	1	8.85	401177	25.0
(DEL) Alkane: Str...	10.77	4.0	ug/L	130911	2	11.63	817465	25.0
(DEL) Alkane: Str...	11.04	3.5	ug/L	114345	2	11.63	817465	25.0
(DEL) Alkane: Cyc...	11.07	3.8	ug/L	125308	2	11.63	817465	25.0
(DEL) Alkane: Cyc...	11.23	15.4	ug/L	502740	2	11.63	817465	25.0
1,2,4,4-Tetrameth...	11.29	3.3	ug/L	106317	2	11.63	817465	25.0
unknown-01	11.34	5.2	ug/L	168733	2	11.63	817465	25.0
(DEL) Alkane: Str...	11.38	8.2	ug/L	268271	2	11.63	817465	25.0
(DEL) Alkane: Str...	11.52	15.1	ug/L	492952	2	11.63	817465	25.0
(DEL) Alkane: Cyc...	11.98	11.6	ug/L	378521	2	11.63	817465	25.0
(DEL) Alkane: Str...	12.01	4.7	ug/L	152783	2	11.63	817465	25.0
(DEL) Alkane: Str...	12.07	21.9	ug/L	714344	2	11.63	817465	25.0
(DEL) Alkane: Str...	12.26	83.8	ug/L	2740750	2	11.63	817465	25.0
(DEL) Alkane: Str...	12.34	90.1	ug/L	2945670	2	11.63	817465	25.0
(DEL) Alkane: Str...	12.55	12.3	ug/L	402093	2	11.63	817465	25.0
(DEL) Alkane: Str...	12.60	185.6	ug/L	6067310	2	11.63	817465	25.0
Benzene, 1-ethyl-...	12.87	6.0	ug/L	7108990	3	13.57	29733400	25.0
Benzene, 1,2,3-tr...	12.91	3.1	ug/L	3705920	3	13.57	29733400	25.0
Mesitylene	12.95	13.6	ug/L	16192300	3	13.57	29733400	25.0
Benzene, 1-ethyl-...	13.11	18.1	ug/L	21581900	3	13.57	29733400	25.0
(DEL) Alkane: Str...	13.18	2.5	ug/L	2964550	3	13.57	29733400	25.0
(DEL) Alkane: Str...	13.30	2.2	ug/L	2655850	3	13.57	29733400	25.0
Hydroxylamine, O-...	13.36	1.3	ug/L	1581330	3	13.57	29733400	25.0
(DEL) Alkane: Str...	13.42	1.3	ug/L	1545670	3	13.57	29733400	25.0
p-Cymene	13.45	4.1	ug/L	4904390	3	13.57	29733400	25.0
(DEL) Alkane: Str...	13.50	3.0	ug/L	3514840	3	13.57	29733400	25.0
Benzene, 1,3-diet...	13.73	15.6	ug/L	18562100	3	13.57	29733400	25.0
Benzene, 1-methyl...	13.76	22.7	ug/L	27027500	3	13.57	29733400	25.0
Benzene, 1-methyl...	13.96	10.6	ug/L	12589700	3	13.57	29733400	25.0
Benzene, 1-ethyl-...	14.11	38.2	ug/L	45439900	3	13.57	29733400	25.0
(E)-1-Phenyl-1-bu...	14.17	3.3	ug/L	3871170	3	13.57	29733400	25.0
Benzene, 2-butenyl-	14.21	23.3	ug/L	27680500	3	13.57	29733400	25.0
Benzene, 1-methyl...	14.28	3.8	ug/L	4522400	3	13.57	29733400	25.0
Benzene, 1,2,4,5-...	14.43	22.3	ug/L	26508000	3	13.57	29733400	25.0
Benzene, 1,3-diet...	14.51	16.0	ug/L	18975800	3	13.57	29733400	25.0
1H-1,5-Benzodiaze...	14.55	7.9	ug/L	9427990	3	13.57	29733400	25.0
unknown-02	14.65	7.5	ug/L	8896080	3	13.57	29733400	25.0
(DEL) Alkane: Str...	14.74	16.3	ug/L	19371700	3	13.57	29733400	25.0
Benzene, 2-etheny...	14.82	47.6	ug/L	56591000	3	13.57	29733400	25.0
Benzene, 1-methyl...	14.86	10.3	ug/L	12234500	3	13.57	29733400	25.0
Naphthalene, 1,2,...	14.97	2.5	ug/L	3013940	3	13.57	29733400	25.0
1H-Indene, 2,3-di...	15.04	2.4	ug/L	2876560	3	13.57	29733400	25.0
Benzene, pentamet...	15.08	26.1	ug/L	30989300	3	13.57	29733400	25.0
Benzene, (2-methy...	15.19	15.9	ug/L	18870200	3	13.57	29733400	25.0
(DEL) Alkane: Str...	15.34	5.6	ug/L	6668000	3	13.57	29733400	25.0
(DEL) Alkane: Str...	15.57	5.9	ug/L	6984990	3	13.57	29733400	25.0
(DEL) Alkane: Str...	16.51	1.7	ug/L	2056790	3	13.57	29733400	25.0