

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
 Data File : VW018452.D
 Acq On : 25 Mar 2021 13:00
 Operator : SY/VA
 Sample : M1781-03
 Misc : 3.87G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4C4

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\SOM2WLM031921S.M
 Title : VOC Analysis

Signal : TIC: VW018452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	68	74	85	rVB	114961	229059	1.84%	0.083%
2	2.867	147	158	171	rVB	60799	226912	1.82%	0.082%
3	4.013	333	346	363	rBV2	132261	467153	3.75%	0.169%
4	7.641	930	941	959	rBV	231642	591269	4.74%	0.214%
5	7.915	978	986	997	rBV	81768	192928	1.55%	0.070%
6	8.153	1017	1025	1034	rBV	125300	287434	2.31%	0.104%
7	8.269	1034	1044	1060	rVB2	454031	1335752	10.72%	0.483%
8	8.476	1060	1078	1092	rBV	299734	932475	7.48%	0.337%
9	8.689	1106	1113	1128	rVB	112977	226326	1.82%	0.082%
10	8.836	1128	1137	1149	rBV	571909	1162019	9.33%	0.420%
11	9.274	1200	1209	1214	rBV	301205	675567	5.42%	0.244%
12	9.329	1214	1218	1222	rVV	146585	283319	2.27%	0.102%
13	9.384	1222	1227	1235	rVB	212143	437630	3.51%	0.158%
14	9.604	1253	1263	1274	rVB5	82248	253436	2.03%	0.092%
15	9.756	1280	1288	1300	rBV	508600	1138925	9.14%	0.411%
16	9.890	1300	1310	1316	rBV	677478	1524475	12.23%	0.551%
17	9.957	1316	1321	1324	rBV	340141	572634	4.60%	0.207%
18	10.091	1337	1343	1356	rVB	623234	1533641	12.31%	0.554%
19	10.250	1360	1369	1375	rBV	514706	1081306	8.68%	0.391%
20	10.323	1375	1381	1391	rVB	818541	1644981	13.20%	0.594%
21	10.445	1391	1401	1404	rBV3	85721	188690	1.51%	0.068%
22	10.500	1404	1410	1417	rVB2	539284	1034247	8.30%	0.374%
23	10.573	1417	1422	1427	rBV2	138270	262090	2.10%	0.095%
24	10.768	1445	1454	1462	rBV5	318668	848674	6.81%	0.307%
25	10.841	1462	1466	1472	rVB	372313	647497	5.20%	0.234%
26	10.933	1472	1481	1487	rBV3	495037	1059072	8.50%	0.383%
27	11.036	1492	1498	1506	rVB	654931	1379434	11.07%	0.498%
28	11.110	1506	1510	1513	rBV2	162326	272689	2.19%	0.099%
29	11.231	1524	1530	1535	rBV	403359	824338	6.62%	0.298%
30	11.280	1535	1538	1543	rVB3	179027	284552	2.28%	0.103%
31	11.335	1543	1547	1550	rBV2	361965	562534	4.51%	0.203%
32	11.408	1550	1559	1570	rVB3	1695021	4588346	36.82%	1.658%
33	11.512	1570	1576	1585	rBV	1461546	2556536	20.52%	0.924%
34	11.628	1586	1595	1600	rBV2	1229786	2633804	21.14%	0.951%
35	11.695	1601	1606	1610	rVB	649738	930930	7.47%	0.336%
36	11.762	1615	1617	1621	rVB2	155809	173291	1.39%	0.063%
37	11.841	1621	1630	1632	rBV3	925129	1764914	14.16%	0.638%

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Integration Parameters: LSCINT.P

Integrator: RTE

Smothing : 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 >

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Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Title : VOC Analysis

38	11.872	1632	1635	1640	rVB	984877	1416490	11.37%	0.512%
39	11.914	1640	1642	1646	rVB4	313528	393931	3.16%	0.142%
40	11.969	1646	1651	1653	rBV4	137239	254593	2.04%	0.092%
41	12.018	1654	1659	1662	rBV5	200765	480062	3.85%	0.173%
42	12.067	1662	1667	1671	rBV3	716314	1159456	9.30%	0.419%
43	12.134	1673	1678	1684	rBV2	1366570	2350641	18.86%	0.849%
44	12.189	1684	1687	1690	rVB2	249419	272842	2.19%	0.099%
45	12.250	1690	1697	1702	rVB	1403904	2570097	20.63%	0.928%
46	12.329	1702	1710	1713	rBV2	996803	2218437	17.80%	0.801%
47	12.359	1713	1715	1721	rVB2	762161	1157353	9.29%	0.418%
48	12.414	1721	1724	1731	rBV7	196727	450801	3.62%	0.163%
49	12.512	1731	1740	1742	rBV6	1247780	3517066	28.22%	1.271%
50	12.536	1742	1744	1747	rVB	491760	433198	3.48%	0.156%
51	12.591	1747	1753	1759	rVB	3785774	7222494	57.96%	2.609%
52	12.646	1759	1762	1766	rVB	1442976	1823404	14.63%	0.659%
53	12.701	1766	1771	1775	rVB4	1044769	1872015	15.02%	0.676%
54	12.756	1775	1780	1790	rVB3	1239909	3666664	29.43%	1.325%
55	12.859	1790	1797	1801	rBV7	374536	1030449	8.27%	0.372%
56	12.926	1802	1808	1828	rBV4	2578936	8518561	68.36%	3.077%
57	13.079	1828	1833	1836	rBV2	1226249	1866376	14.98%	0.674%
58	13.127	1836	1841	1844	rBV	1638241	2745644	22.03%	0.992%
59	13.164	1844	1847	1849	rBV	1433550	1714942	13.76%	0.620%
60	13.292	1864	1868	1873	rVB	2156803	3123831	25.07%	1.129%
61	13.341	1873	1876	1880	rBV2	871839	1356528	10.89%	0.490%
62	13.408	1882	1887	1890	rVV	2838508	4500120	36.11%	1.626%
63	13.444	1890	1893	1896	rVV4	1193183	1740013	13.96%	0.629%
64	13.481	1896	1899	1902	rVV2	2582209	3658446	29.36%	1.322%
65	13.518	1902	1905	1908	rVV	2085214	2892055	23.21%	1.045%
66	13.554	1908	1911	1914	rVV2	2513617	3322789	26.67%	1.200%
67	13.615	1914	1921	1929	rVB4	3615045	9945495	79.81%	3.593%
68	13.713	1929	1937	1939	rBV4	1155206	2465338	19.78%	0.891%
69	13.749	1939	1943	1946	rVV2	1832726	3094282	24.83%	1.118%
70	13.792	1947	1950	1956	rVB2	1642978	2510146	20.14%	0.907%
71	13.871	1958	1963	1968	rBV2	3908456	5766870	46.28%	2.083%
72	14.030	1983	1989	1994	rVB3	3192237	6348149	50.94%	2.293%
73	14.091	1994	1999	2003	rBV3	3252121	6024822	48.35%	2.177%
74	14.194	2011	2016	2021	rBV4	3533051	6003597	48.18%	2.169%
75	14.261	2022	2027	2034	rBV5	2057664	4652836	37.34%	1.681%
76	14.353	2037	2042	2045	rBV2	2512967	4733180	37.98%	1.710%
77	14.389	2045	2048	2050	rVV2	2111098	2620283	21.03%	0.947%
78	14.426	2050	2054	2057	rVB2	2399582	3291591	26.42%	1.189%

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Peak Location: TOP

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79	14.456	2057	2059	2062	rVB	1590715	1549229	12.43%	0.560%
80	14.499	2062	2066	2070	rBV	8157104	12460971	100.00%	4.502%
81	14.639	2085	2089	2093	rBV	3295101	4192708	33.65%	1.515%
82	14.682	2093	2096	2098	rBV3	1712121	2369465	19.02%	0.856%
83	14.725	2099	2103	2108	rVB2	5969025	9690359	77.77%	3.501%
84	14.786	2108	2113	2117	rBV4	4138387	7954570	63.84%	2.874%
85	14.841	2118	2122	2129	rVB2	3692246	8577574	68.84%	3.099%
86	14.975	2141	2144	2147	rBV2	935786	1246879	10.01%	0.450%
87	15.060	2154	2158	2166	rBV	4640110	9258110	74.30%	3.345%
88	15.182	2171	2178	2185	rVV6	4403523	12185402	97.79%	4.402%
89	15.243	2185	2188	2196	rVB6	2399681	4635086	37.20%	1.674%
90	15.322	2196	2201	2211	rVB3	4771323	10550912	84.67%	3.812%
91	15.462	2219	2224	2229	rBV2	2544565	5021097	40.29%	1.814%
92	15.511	2229	2232	2235	rVV5	1338753	2406662	19.31%	0.869%
93	15.548	2235	2238	2247	rVB5	2716579	5729469	45.98%	2.070%
94	15.651	2247	2255	2261	rBV3	2450864	6755284	54.21%	2.440%
95	15.944	2299	2303	2307	rVB3	1211927	2061950	16.55%	0.745%
96	16.005	2308	2313	2321	rBV4	1671967	4360711	34.99%	1.575%
97	16.157	2331	2338	2343	rBV5	920857	2220751	17.82%	0.802%
98	16.218	2343	2348	2354	rVV5	807608	1718661	13.79%	0.621%
99	16.279	2355	2358	2363	rVB2	670238	1029795	8.26%	0.372%
100	16.621	2409	2414	2418	rBV5	386293	841319	6.75%	0.304%

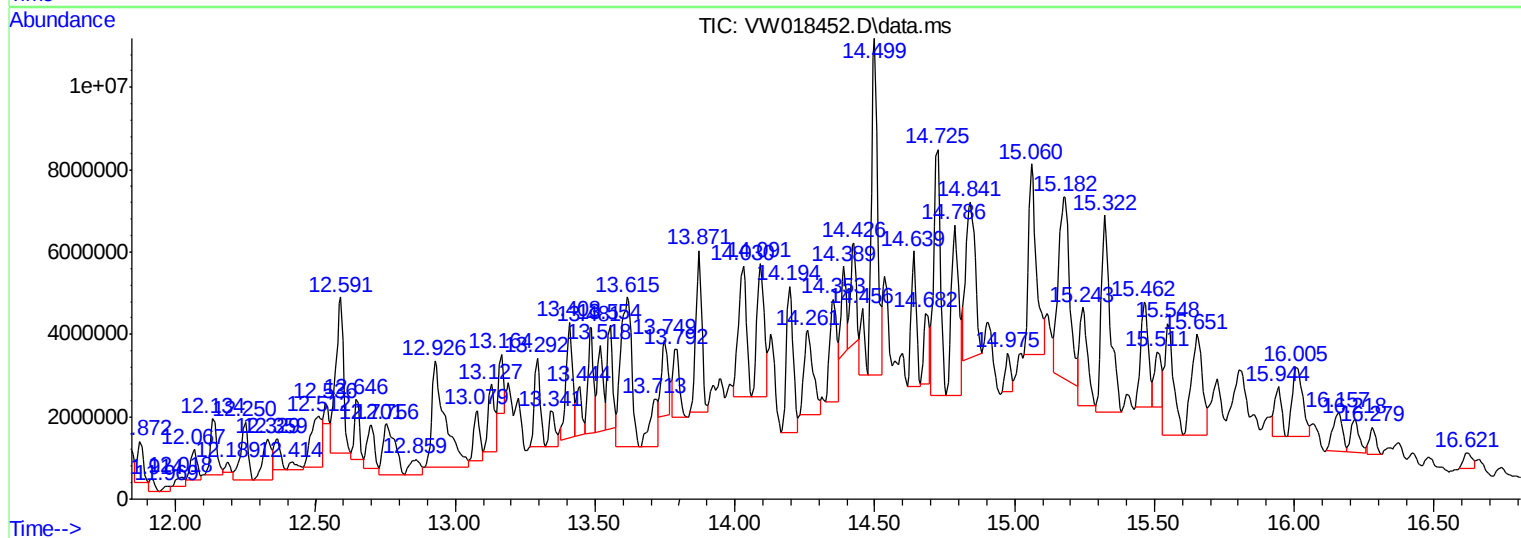
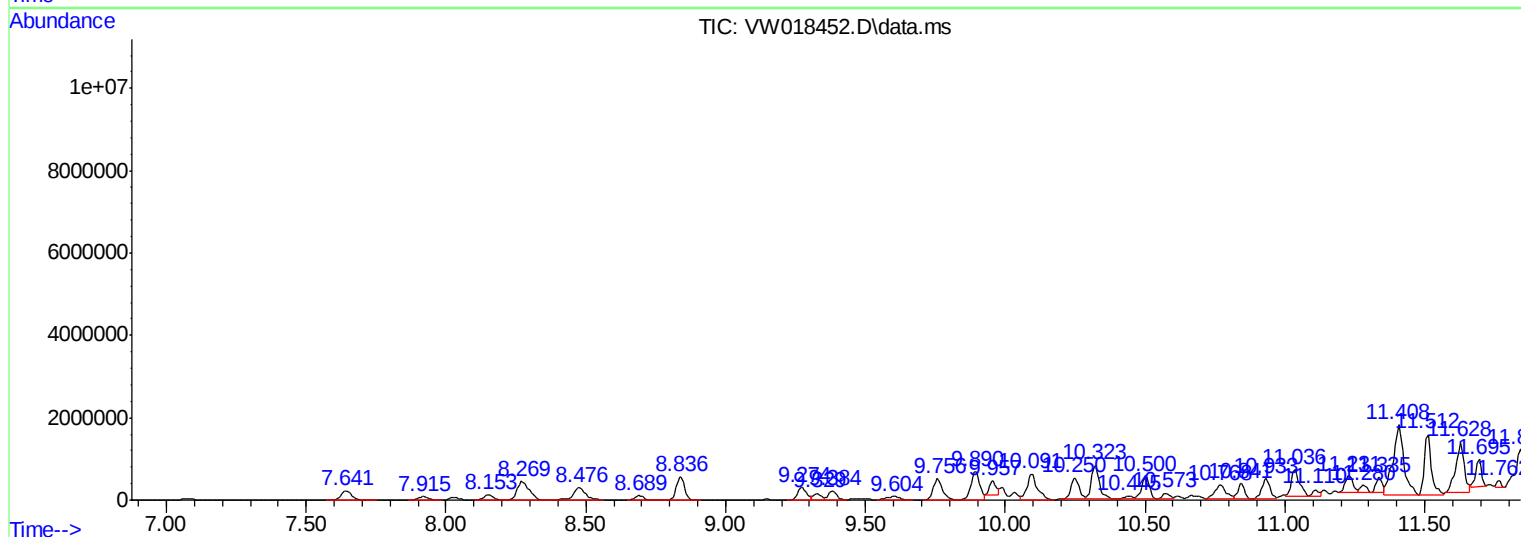
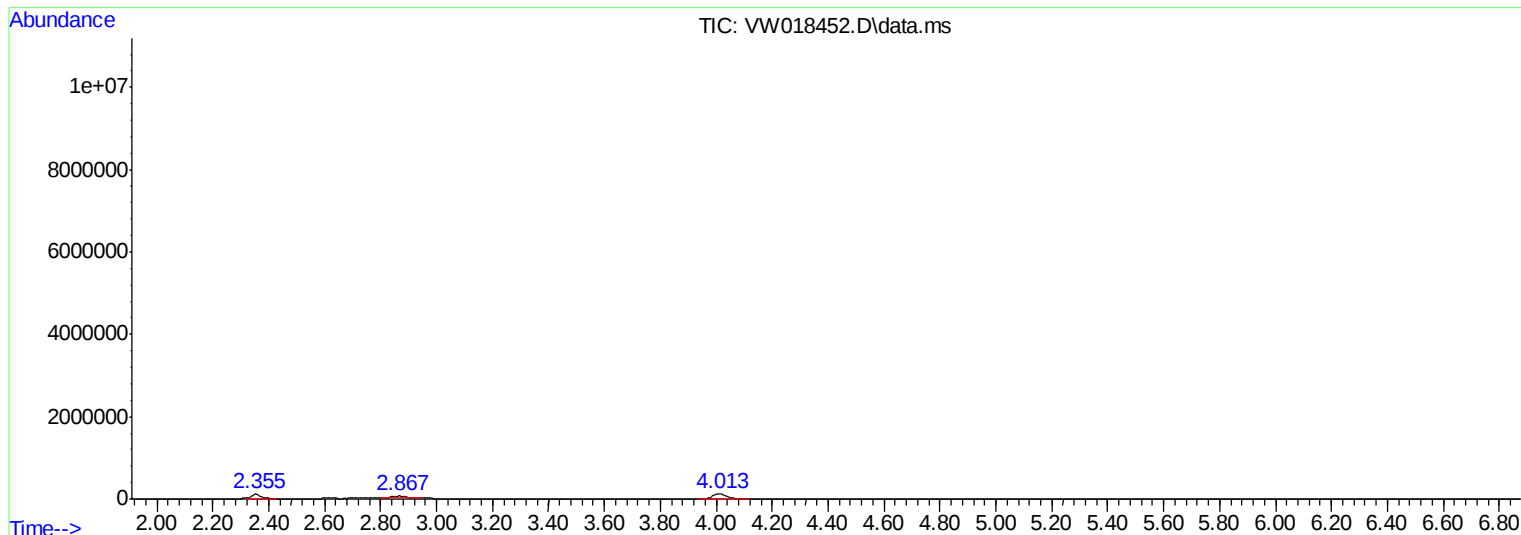
Sum of corrected areas: 276811730

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BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
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Instrument :
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ClientSampleId :
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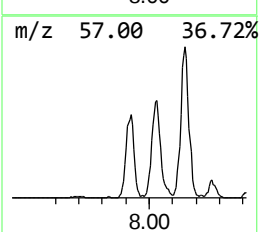
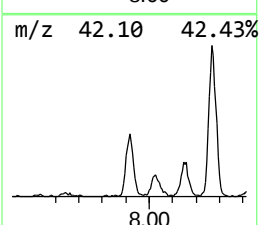
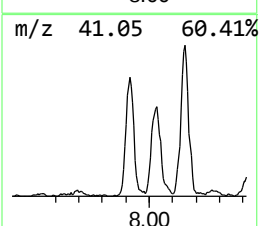
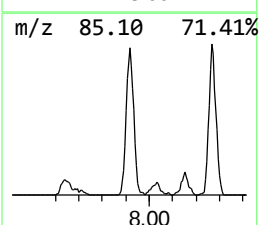
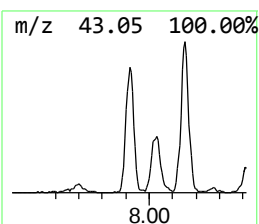
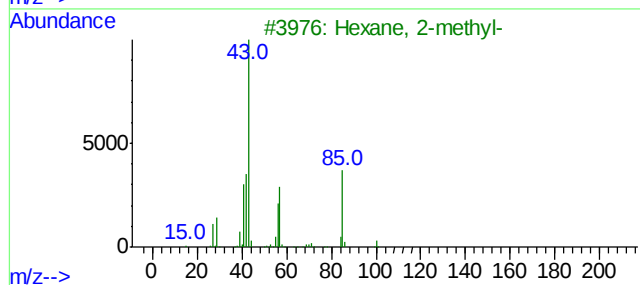
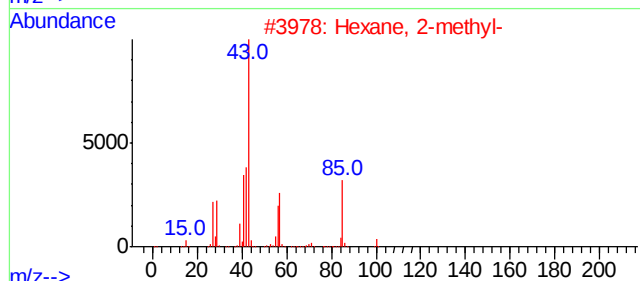
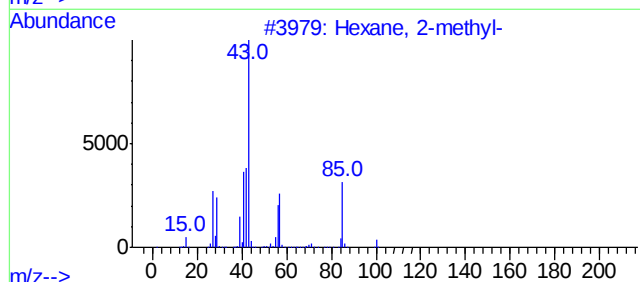
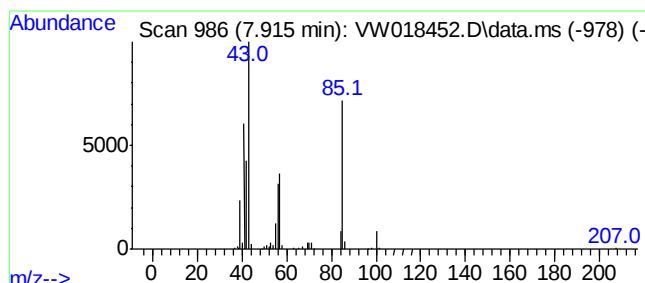
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.915	4.15 ug/L	192928	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2-methyl-	100	C7H16	000591-76-4	90
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	83
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	80
4	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
5	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	53



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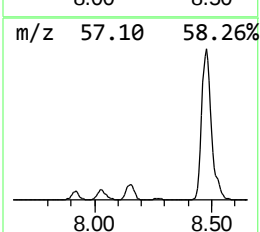
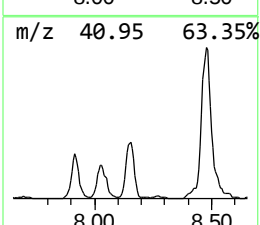
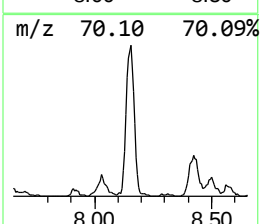
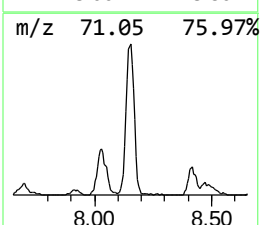
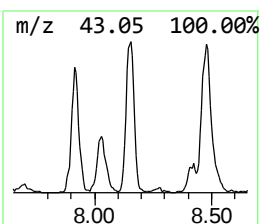
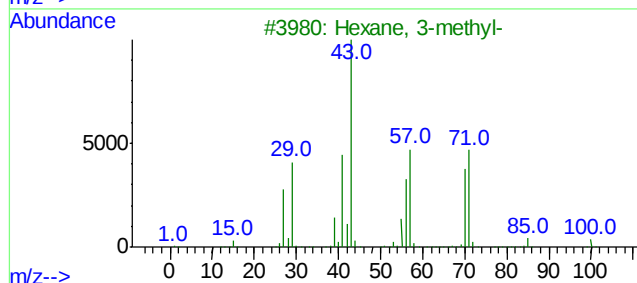
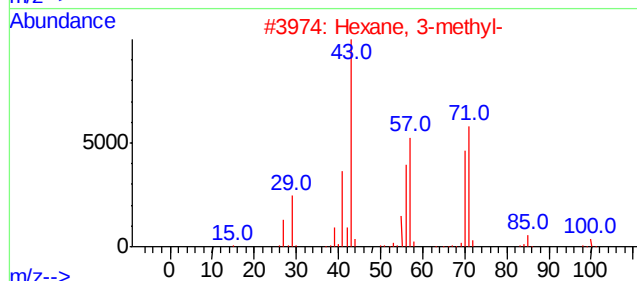
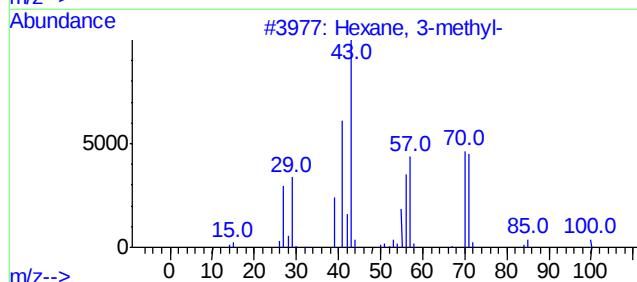
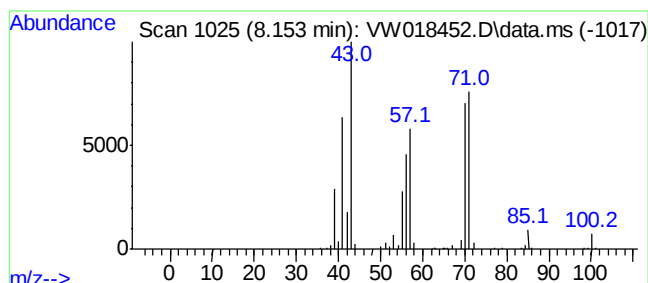
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.153	6.18 ug/L	287434	1,4-Difluorobenzene	8.842

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-		100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-		100	C7H16	000589-34-4	90
3	Hexane, 3-methyl-		100	C7H16	000589-34-4	80
4	Heptane		100	C7H16	000142-82-5	64
5	Decane, 3,3,4-trimethyl-		184	C13H28	049622-18-6	53



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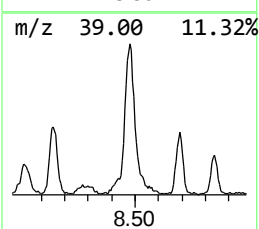
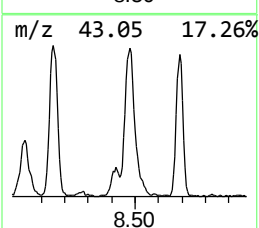
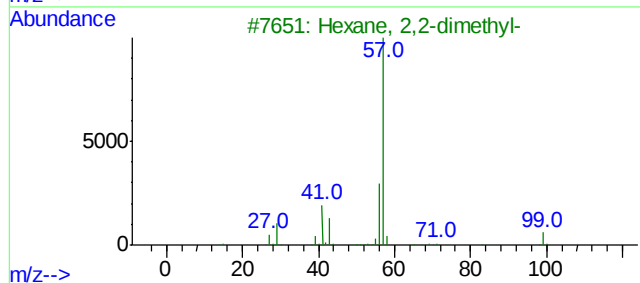
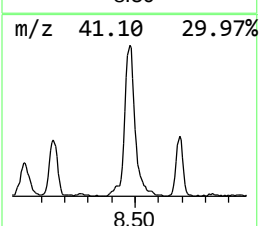
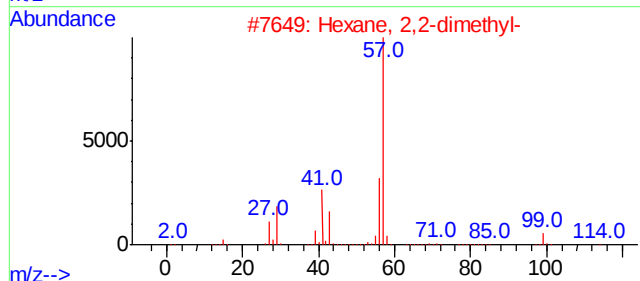
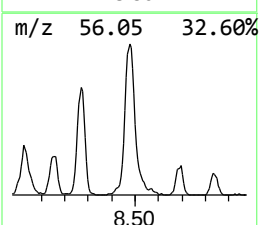
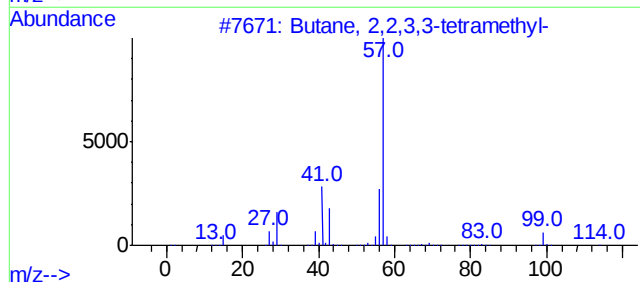
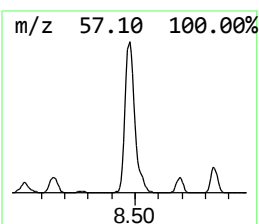
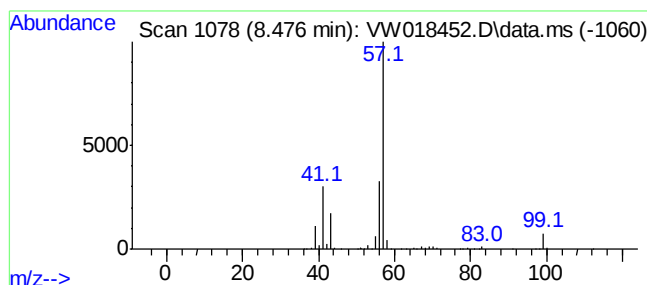
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.476	20.06 ug/L	932475	1,4-Difluorobenzene	8.842

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

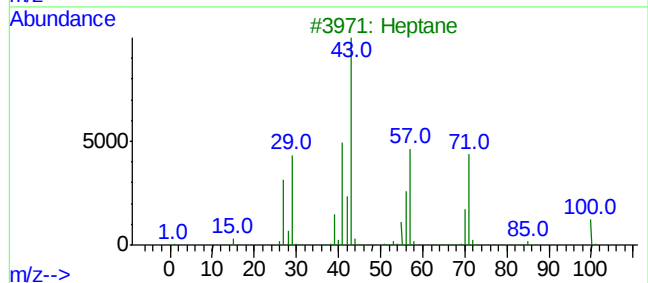
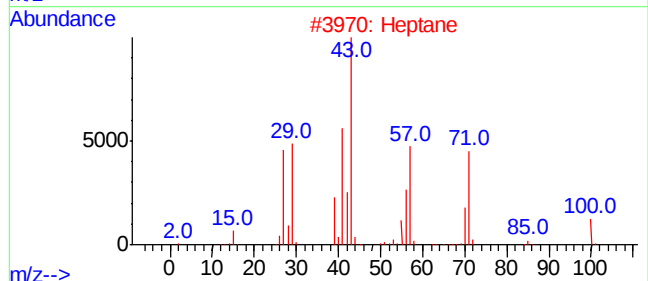
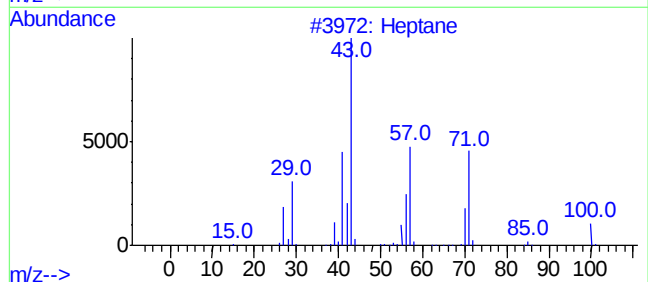
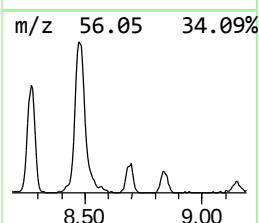
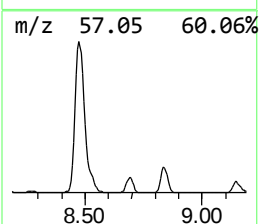
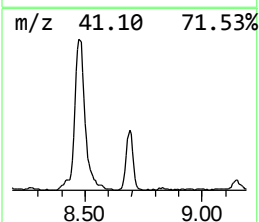
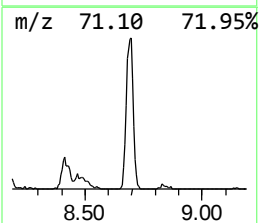
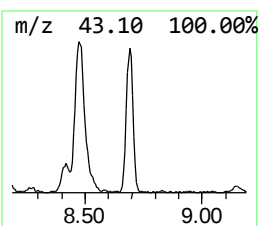
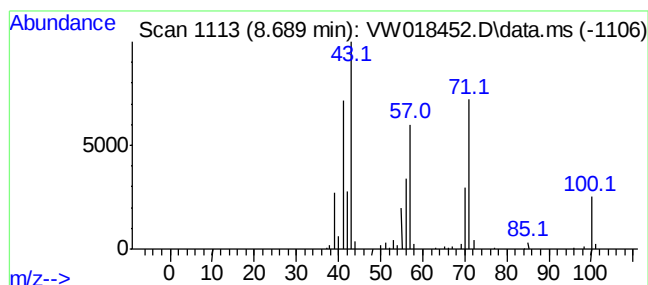
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.689	4.87 ug/L	226326	1,4-Difluorobenzene	8.842

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane		100	C7H16	000142-82-5	91
2	Heptane		100	C7H16	000142-82-5	78
3	Heptane		100	C7H16	000142-82-5	72
4	3-Hexanone		100	C6H12O	000589-38-8	52
5	Heptane		100	C7H16	000142-82-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

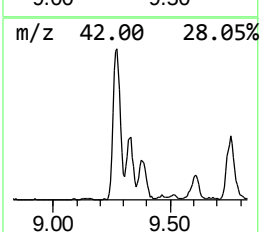
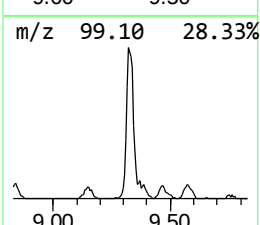
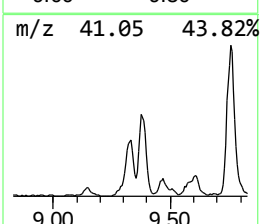
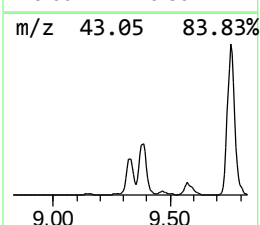
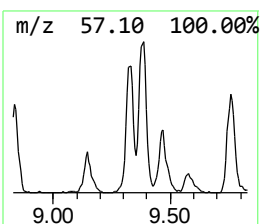
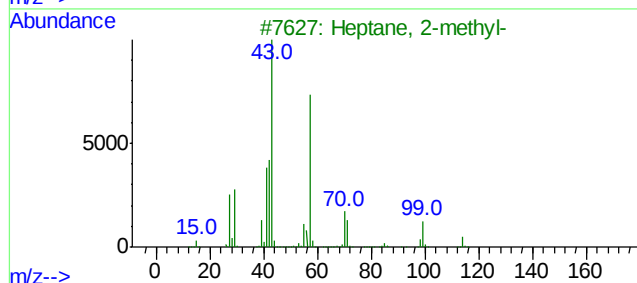
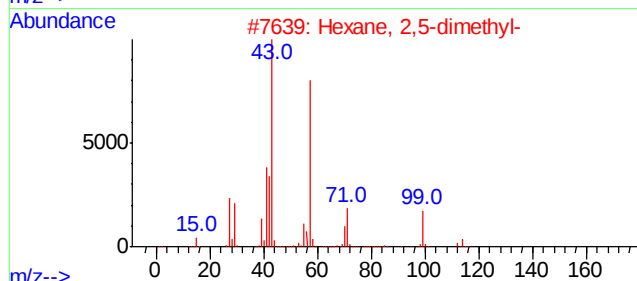
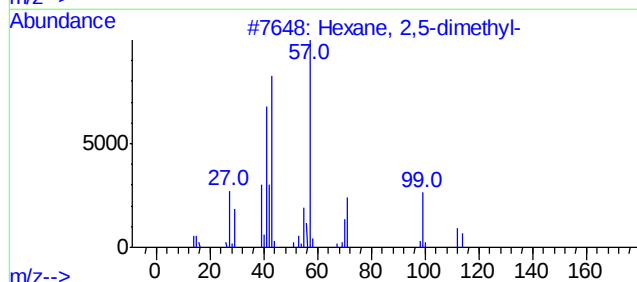
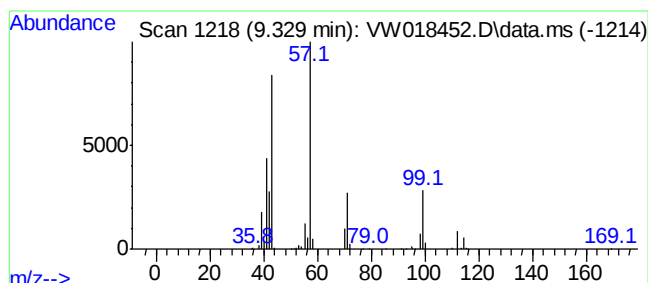
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.329	6.10 ug/L	283319	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	50
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	47
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	47
5	2-Piperidinone	99	C5H9NO	000675-20-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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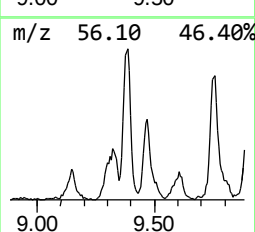
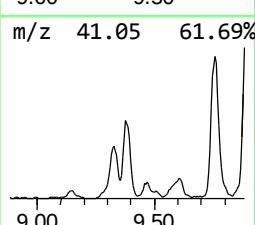
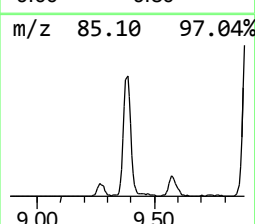
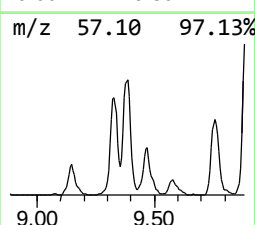
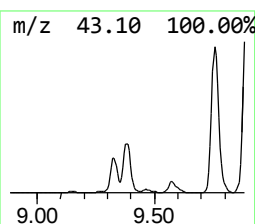
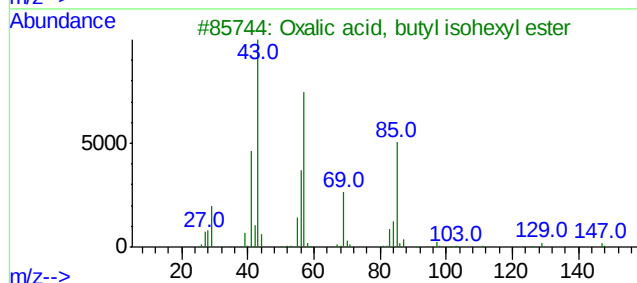
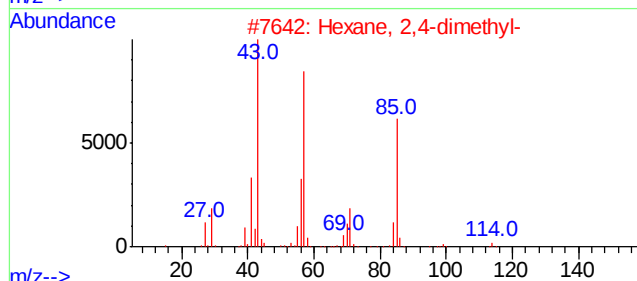
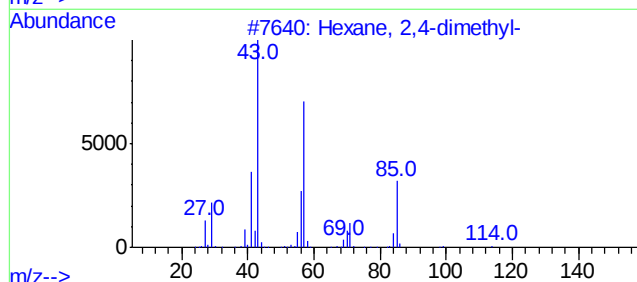
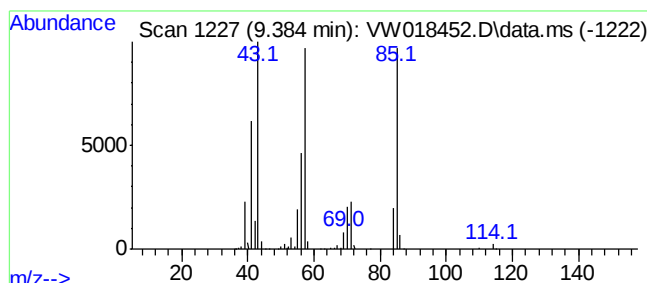
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.384	9.42 ug/L	437630	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	91
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	72
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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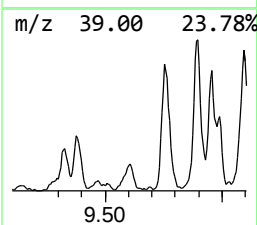
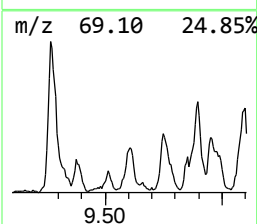
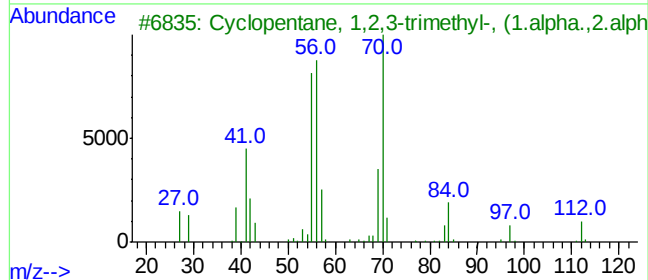
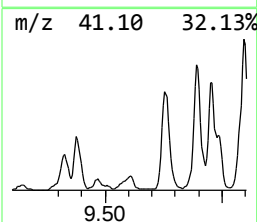
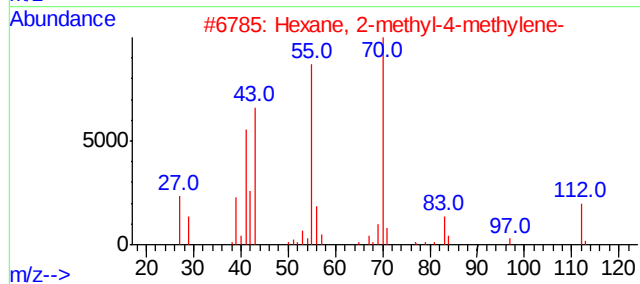
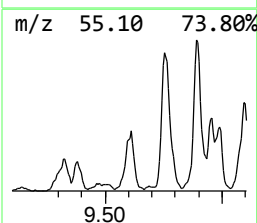
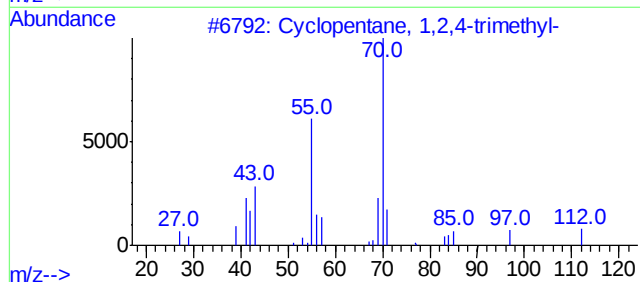
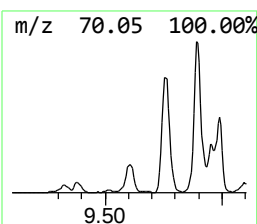
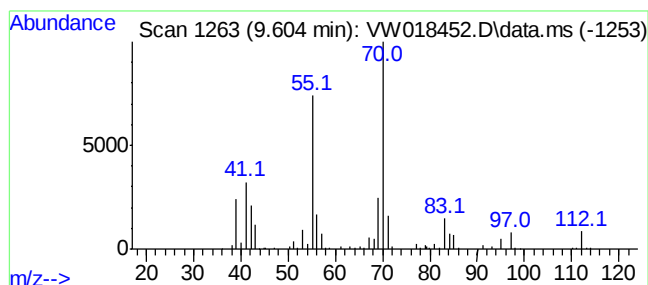
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic9.604 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	5.45 ug/L	253436	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	86
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	83
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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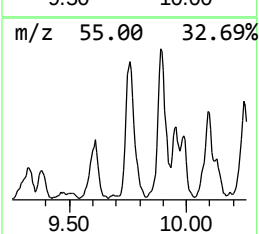
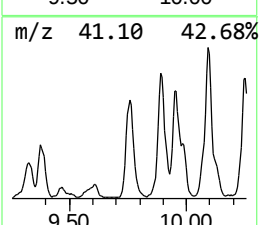
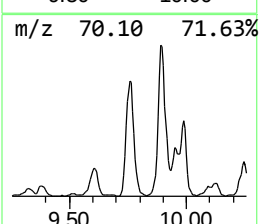
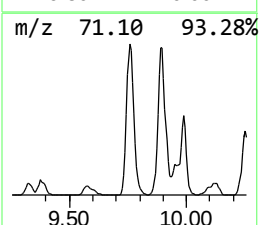
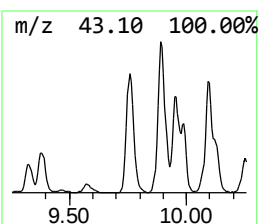
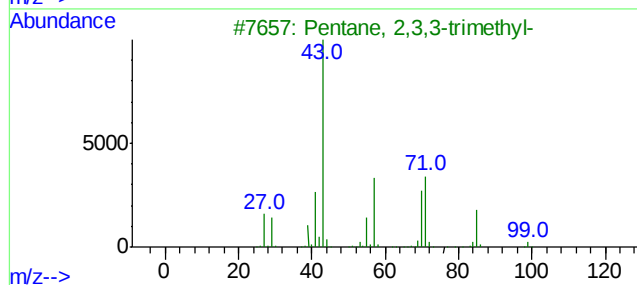
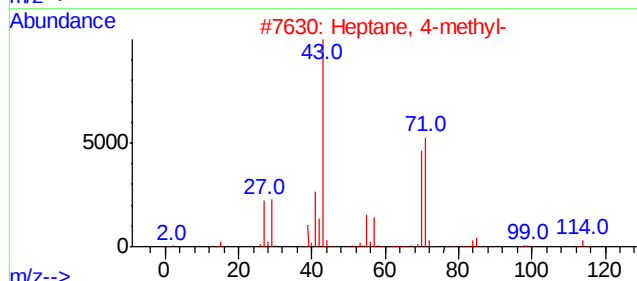
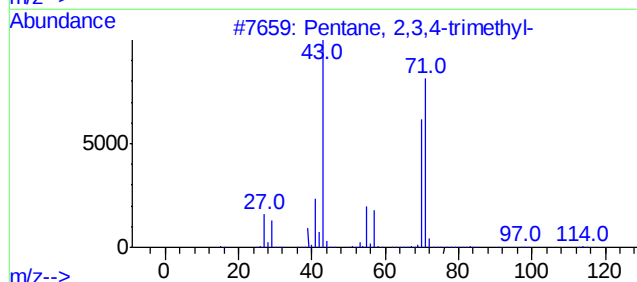
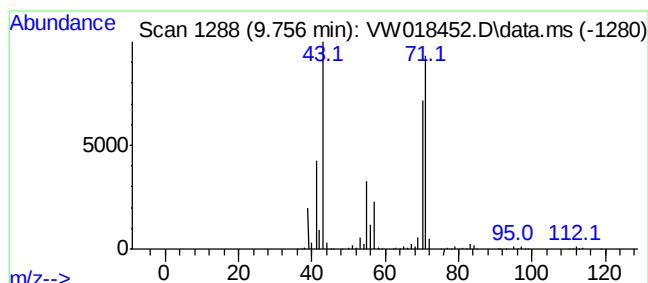
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	24.50 ug/L	1138930	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
4	1-Hexene, 4,5-dimethyl-	112	C8H16	016106-59-5	78
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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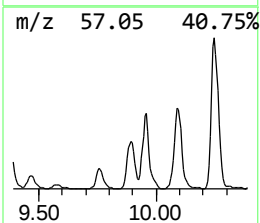
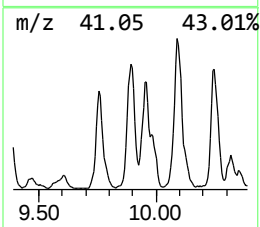
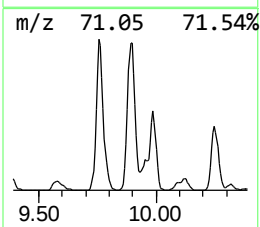
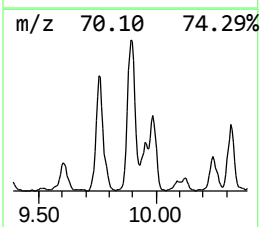
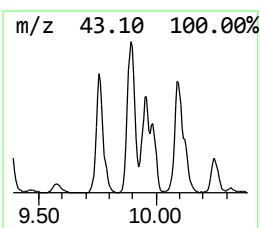
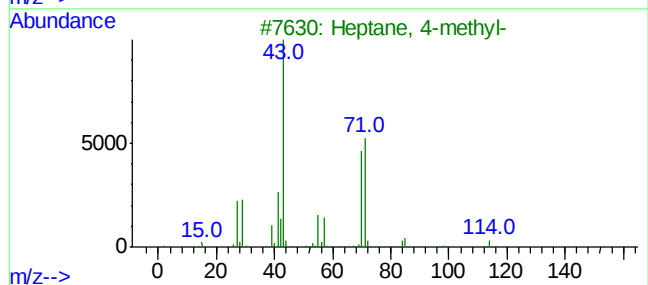
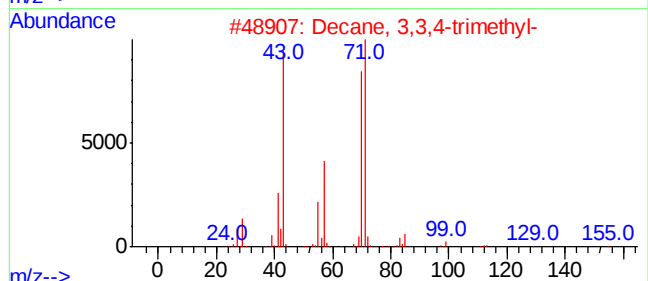
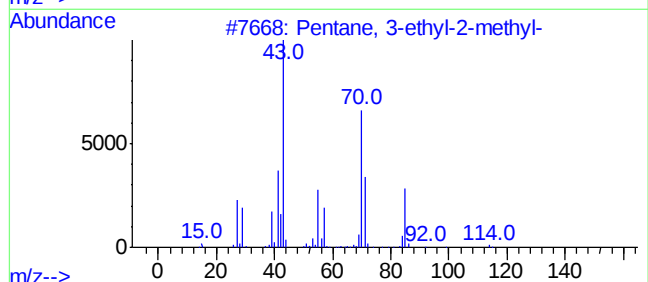
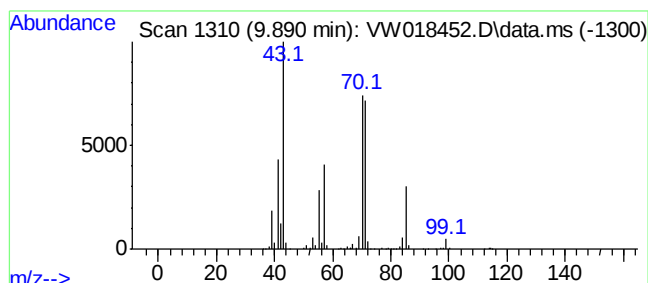
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	32.80 ug/L	1524480	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	87
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5	3,4-Diethyl hexane	142	C10H22	019398-77-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

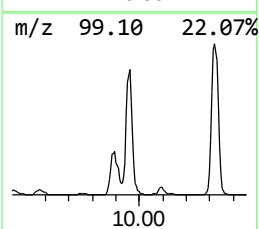
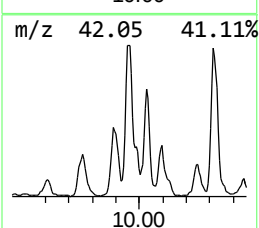
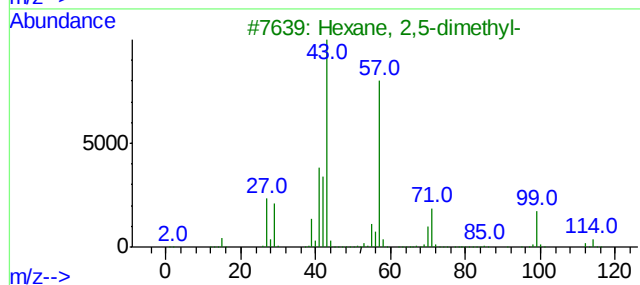
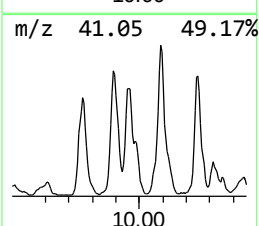
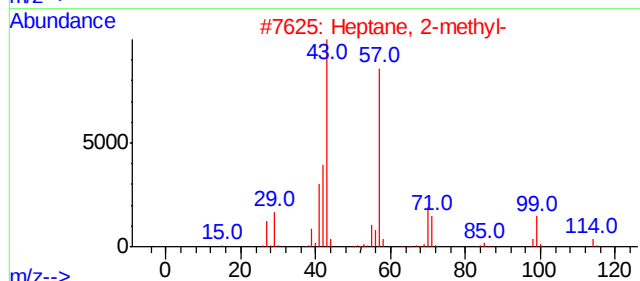
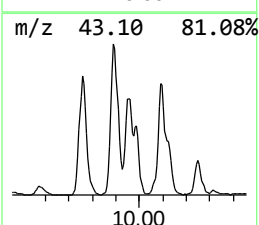
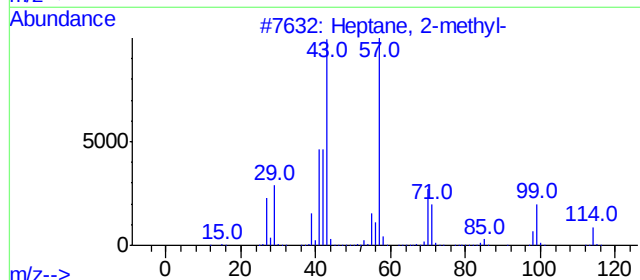
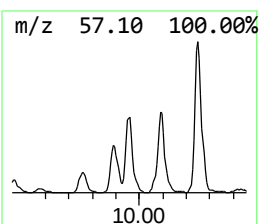
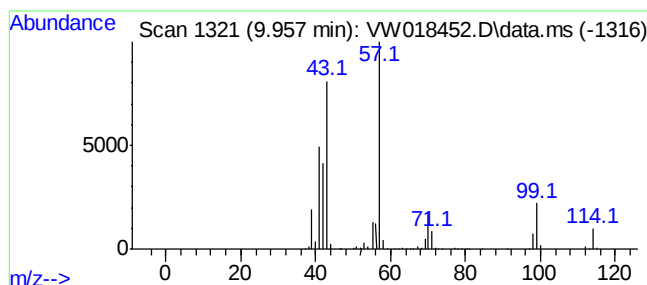
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	12.32 ug/L	572634	1,4-Difluorobenzene	8.842

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	87	
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	86	
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72	
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64	
5	Heptane, 2-methyl-	114	C8H18	000592-27-8	64	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

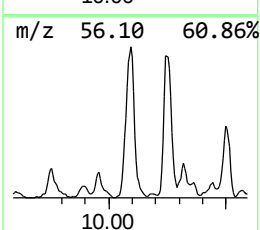
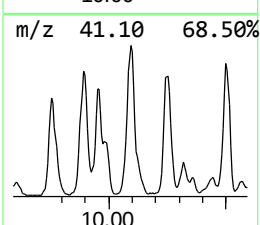
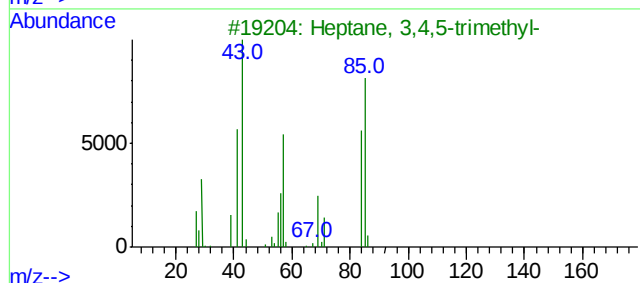
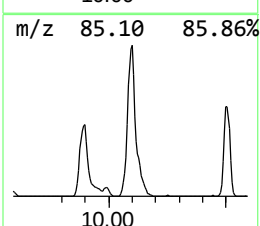
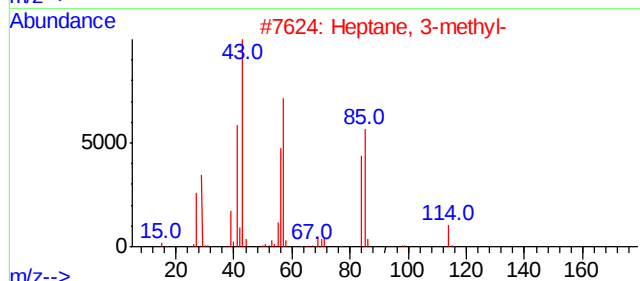
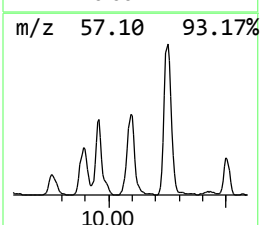
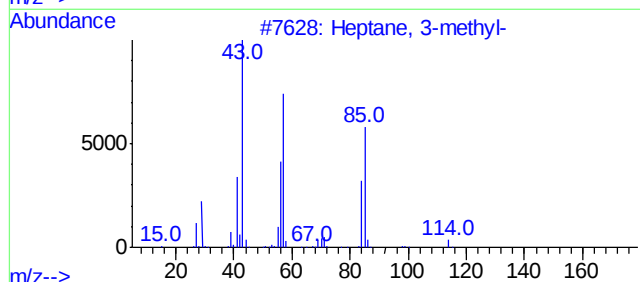
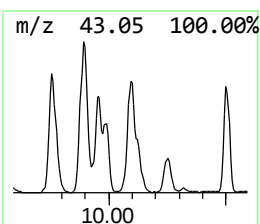
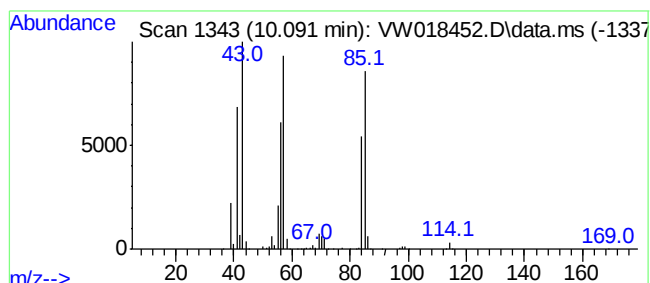
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.091	33.00 ug/L	1533640	1,4-Difluorobenzene	8.842

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	80
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	74
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
4	Hexyl n-valerate	186	C11H22O2	001117-59-5	72
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

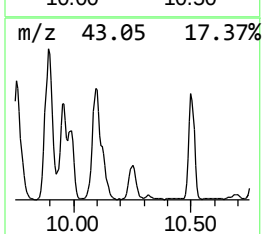
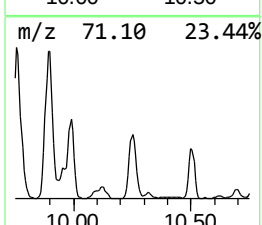
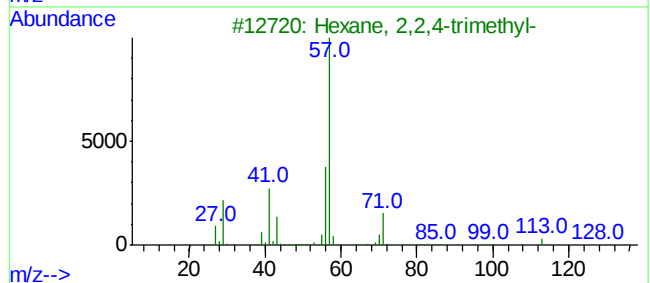
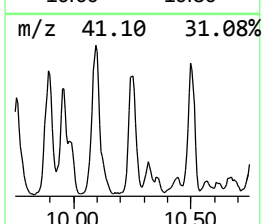
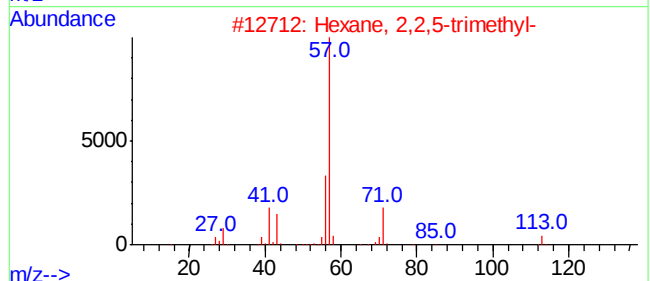
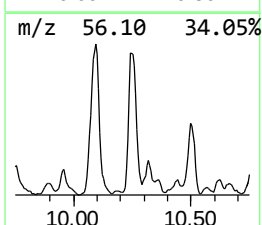
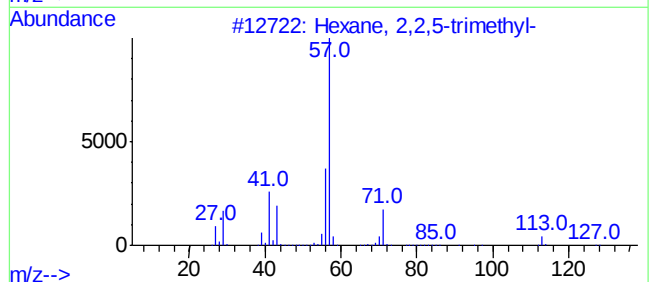
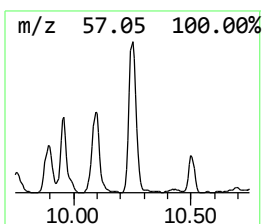
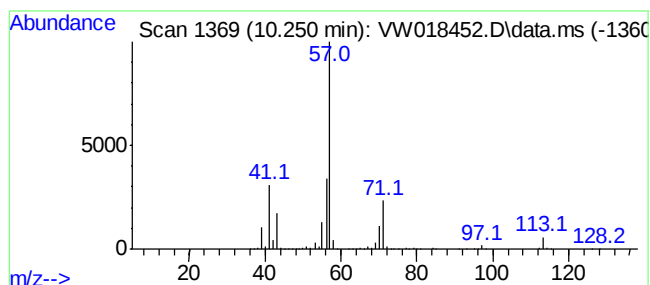
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	10.26 ug/L	1081310	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

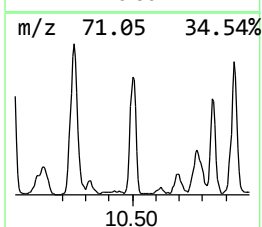
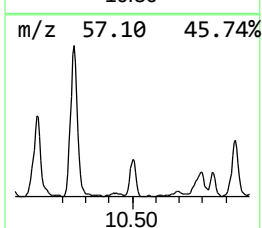
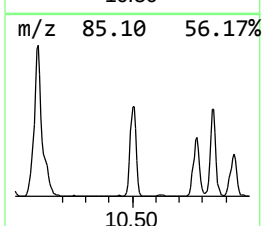
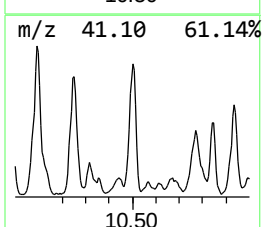
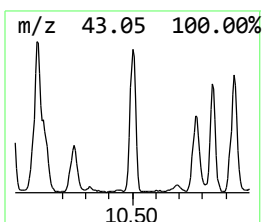
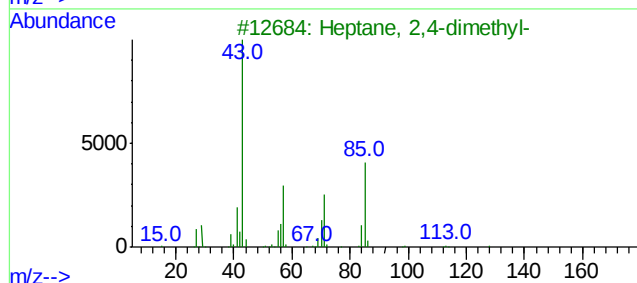
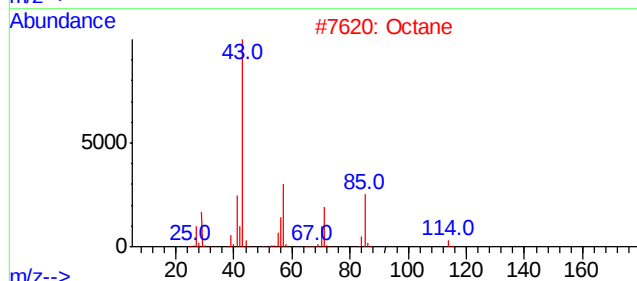
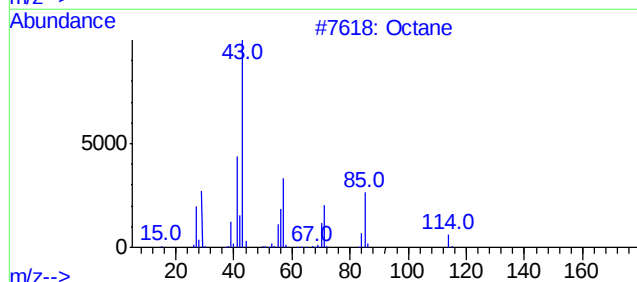
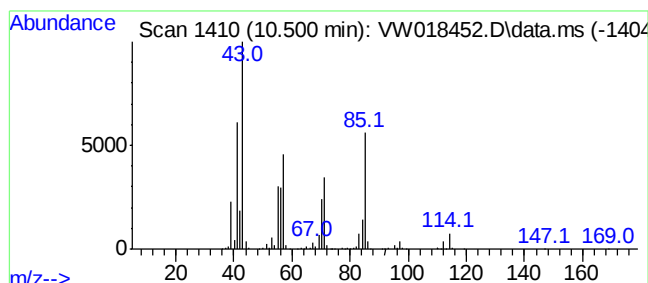
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	9.82 ug/L	1034250	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Octane	114	C8H18	000111-65-9	80
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
4	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

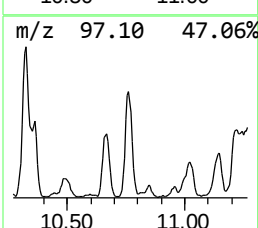
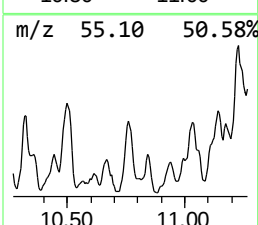
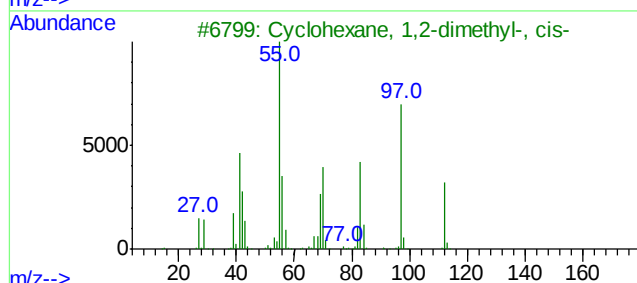
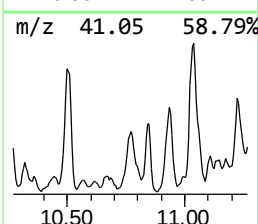
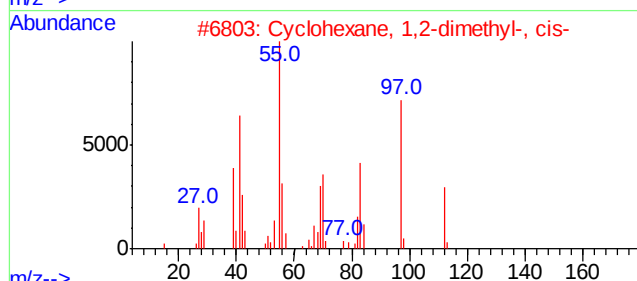
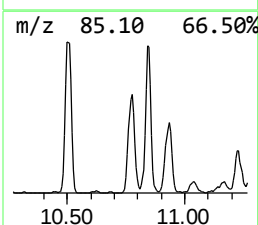
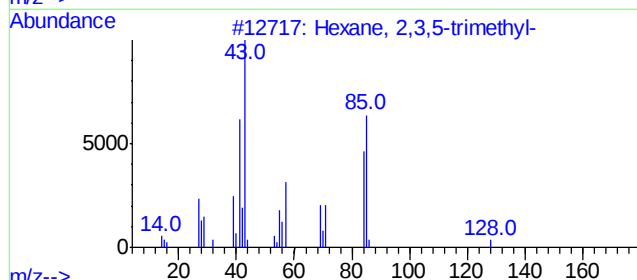
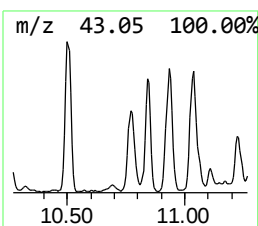
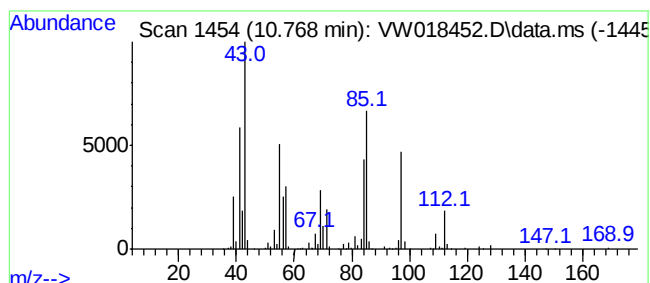
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.768	8.06 ug/L	848674	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	49
2			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	38
3			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	30
4			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	30
5			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

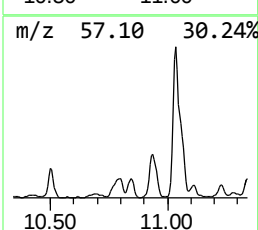
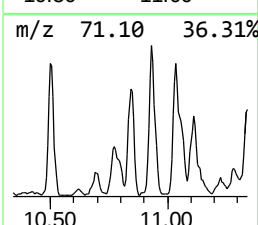
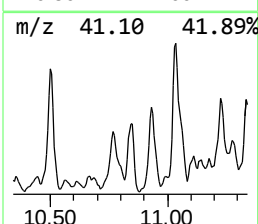
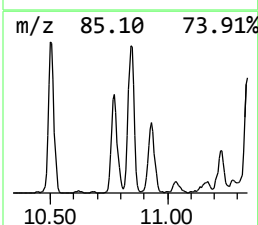
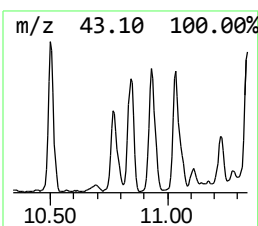
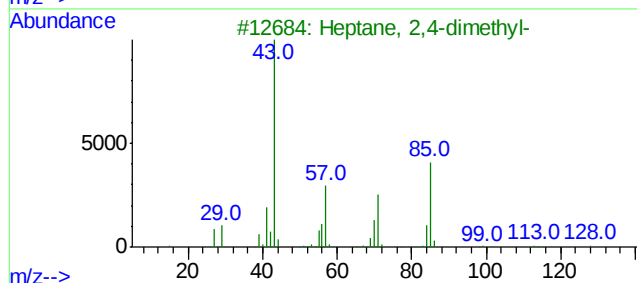
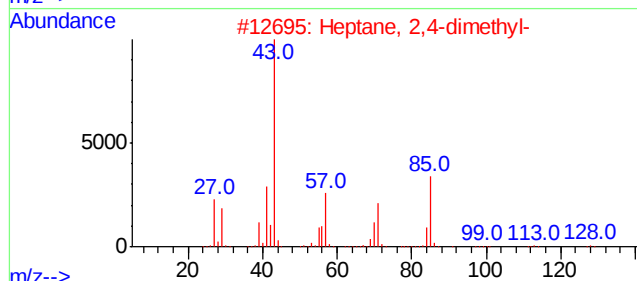
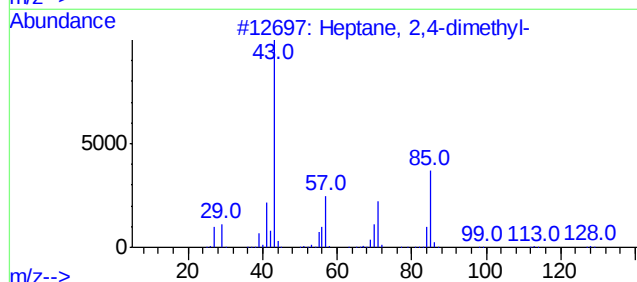
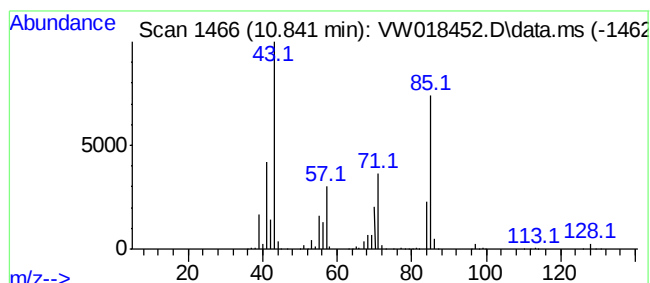
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.841	6.15 ug/L	647497	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	91
4	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	53
5	1-Pentanol, 2,2-dimethyl-	116	C7H16O	002370-12-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

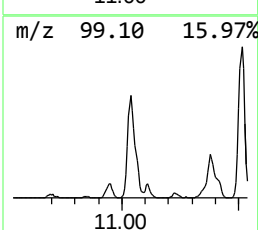
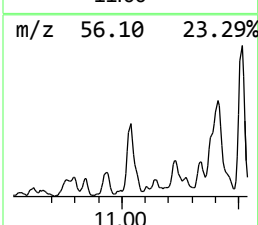
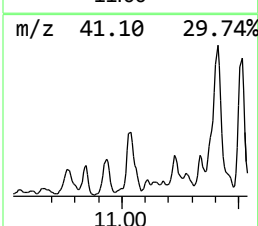
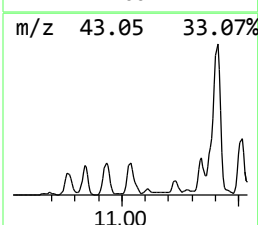
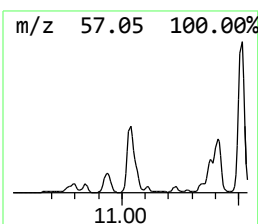
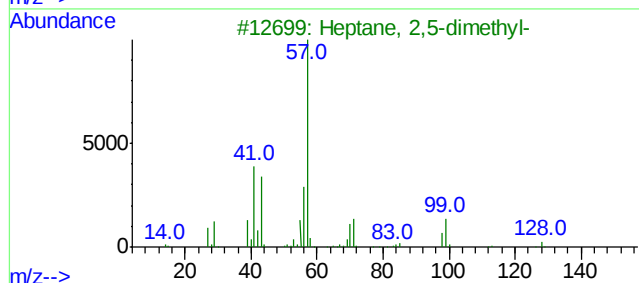
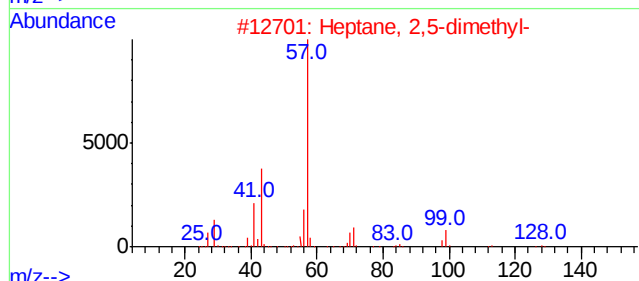
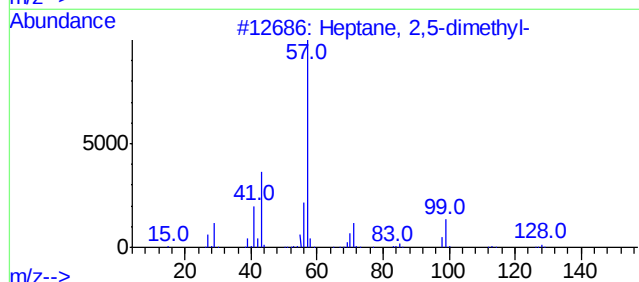
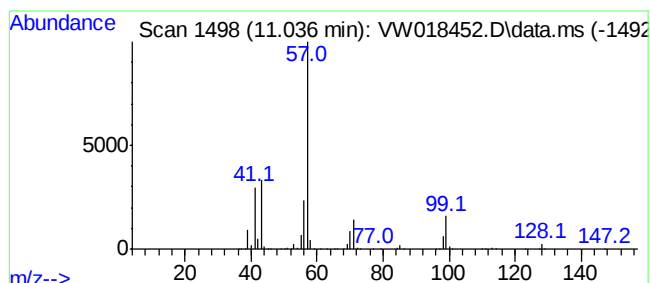
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	13.09 ug/L	1379430	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Octane, 3-methyl-	128	C9H20	002216-33-3	86
5	Octane, 3-methyl-	128	C9H20	002216-33-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

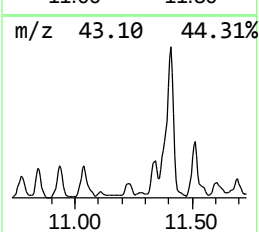
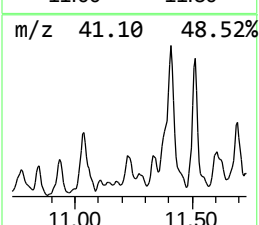
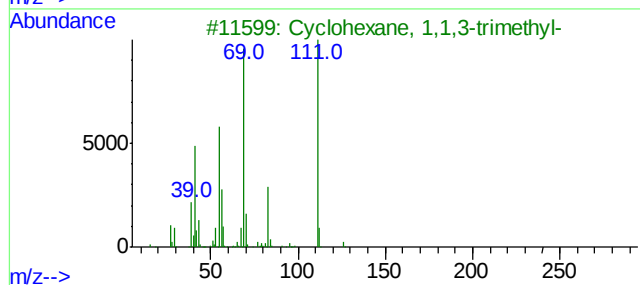
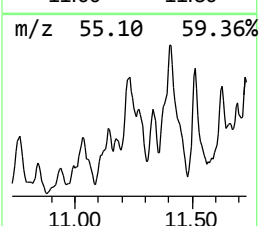
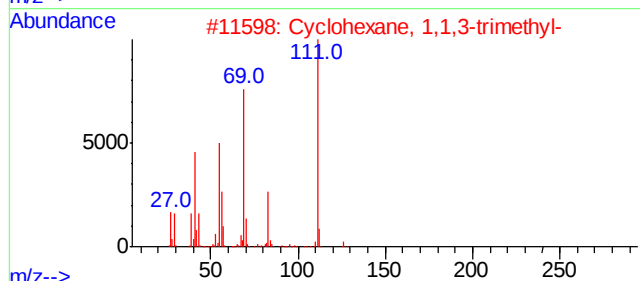
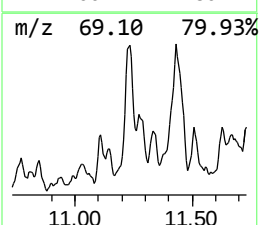
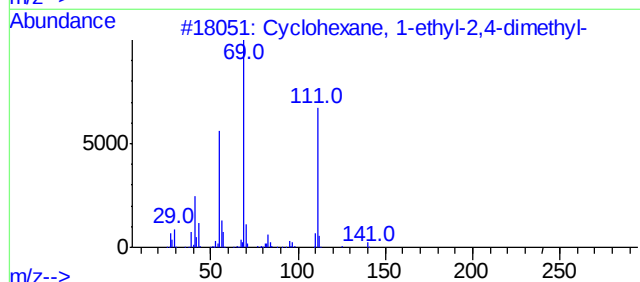
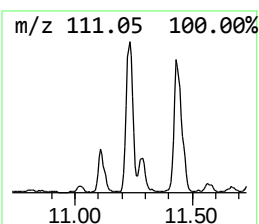
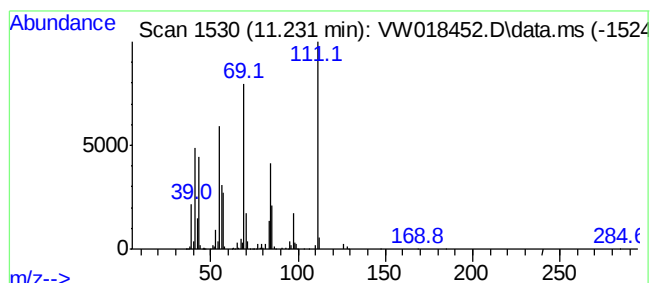
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Cyclic11.232 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.232	7.82 ug/L	824338	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	53
4			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
5			Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

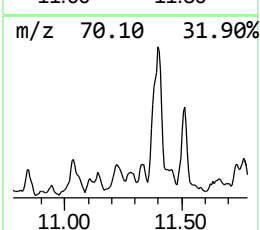
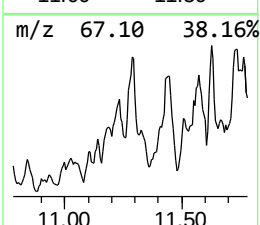
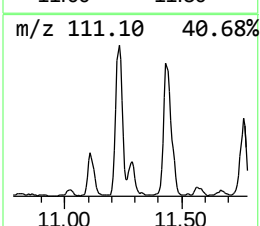
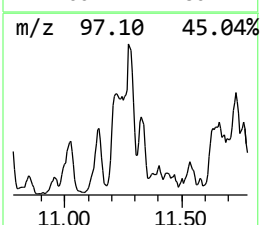
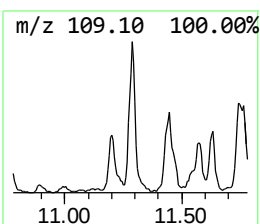
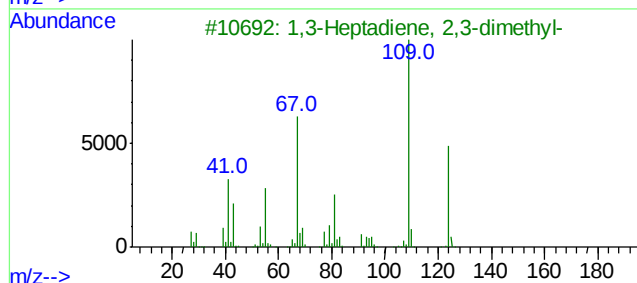
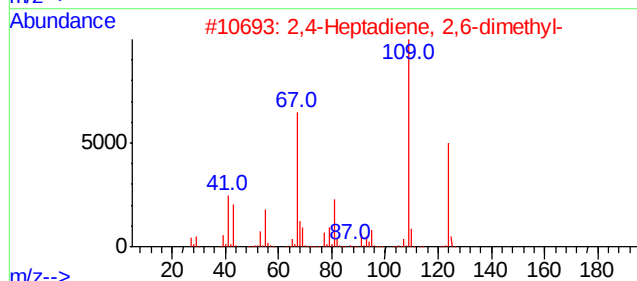
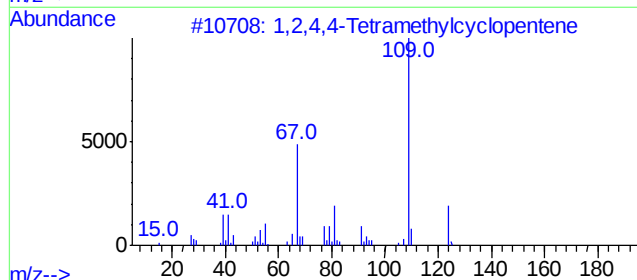
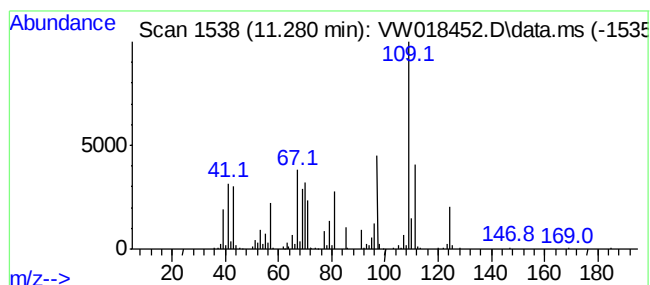
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Quant Title : VOC Analysis

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

Peak Number 18 1,2,4,4-Tetramethylcyclopentene... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	2.70 ug/L	284552	Chlorobenzene-d5	11.628

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			1,3-Heptadiene, 2,3-dimethyl-	124	C9H16	074779-65-0	38
4			Bicyclo[2.2.1]heptane-2-carboxal...	138	C9H14O	015780-36-6	38
5			3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG4C4

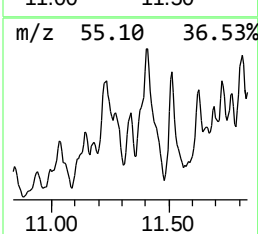
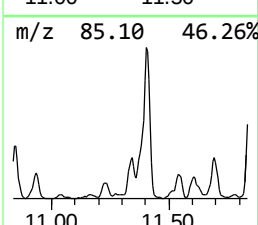
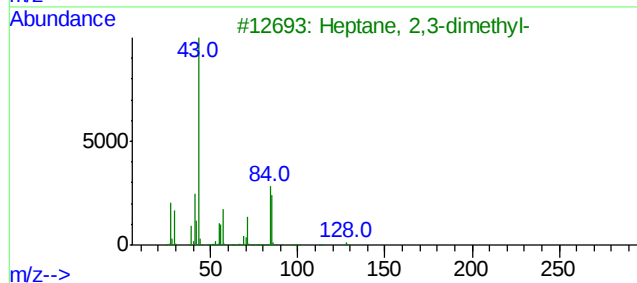
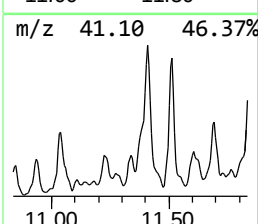
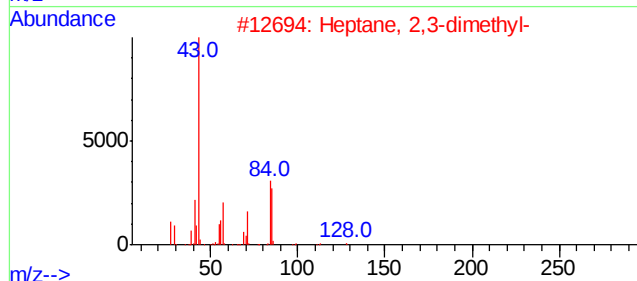
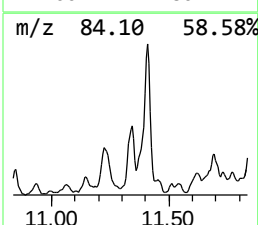
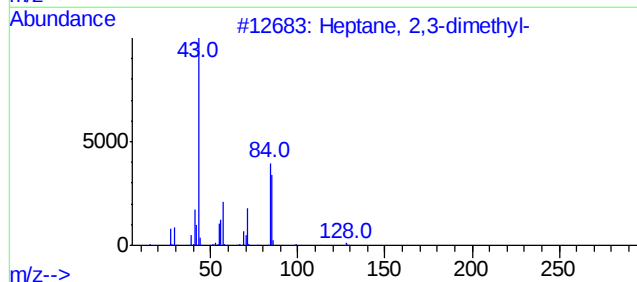
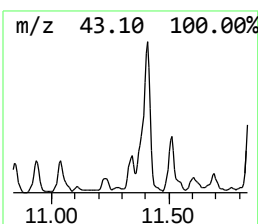
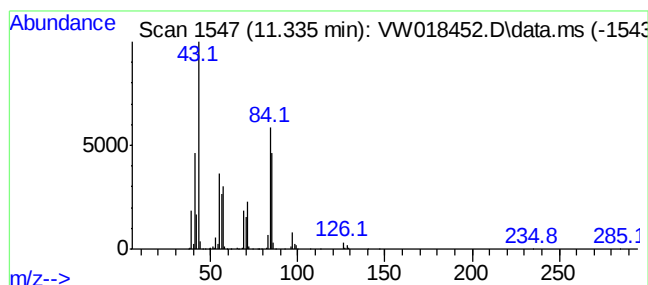
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	5.34 ug/L	562534	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	80
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	64
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
5	1-Octene, 4-methyl-	126	C9H18	013151-12-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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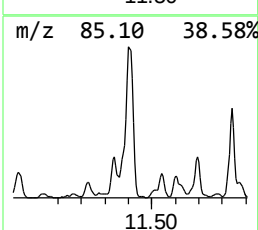
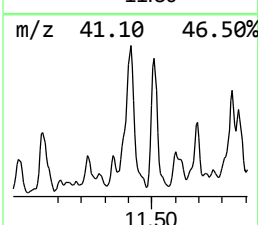
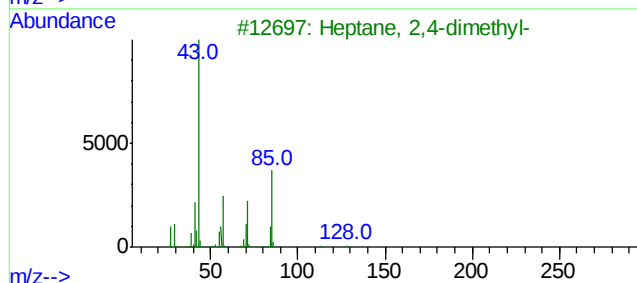
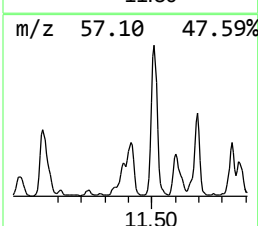
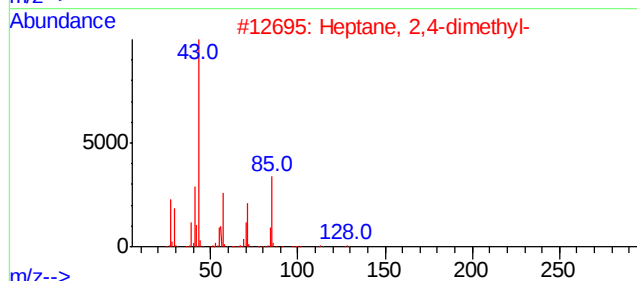
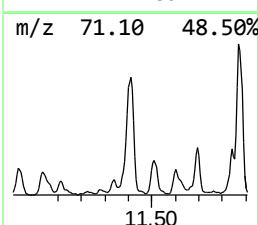
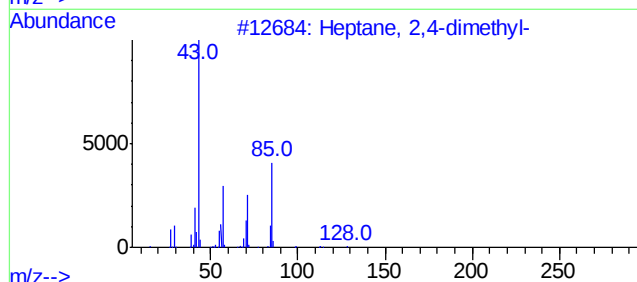
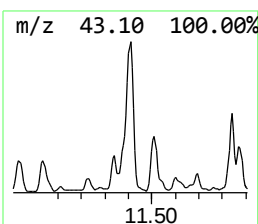
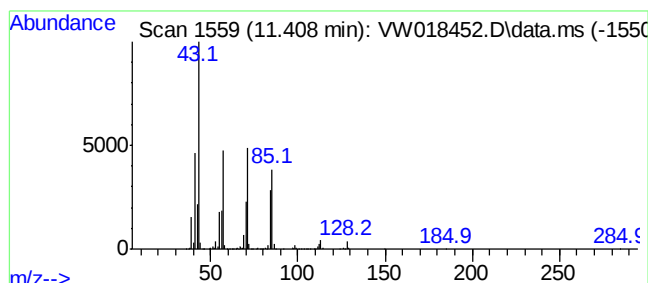
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.408	43.55 ug/L	4588350	Chlorobenzene-d5	11.628

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72	
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72	
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64	
4	Octane, 2-methyl-	128	C9H20	003221-61-2	64	
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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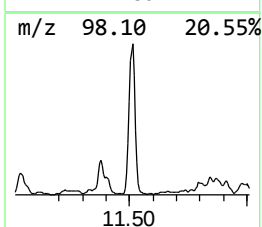
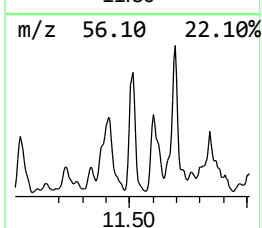
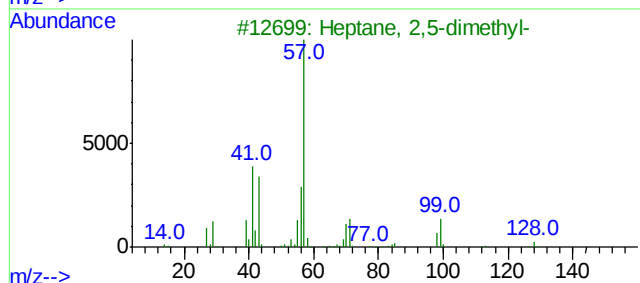
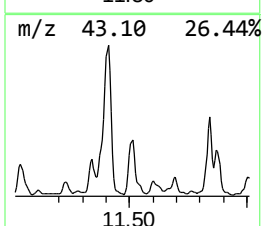
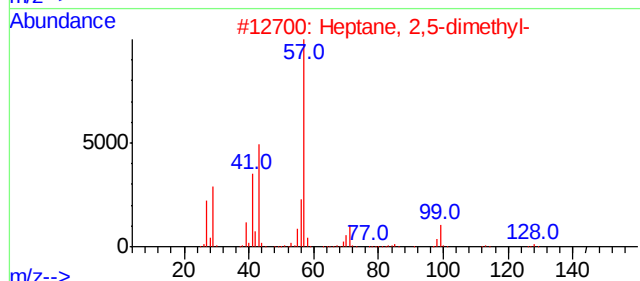
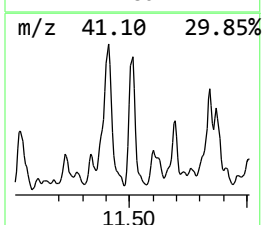
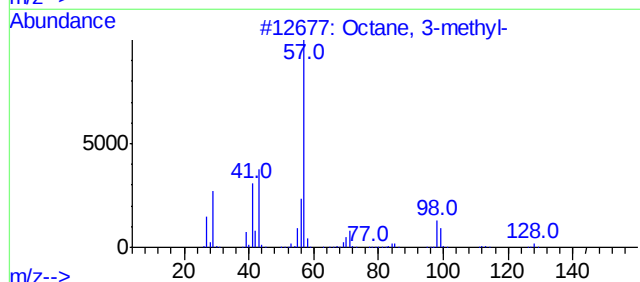
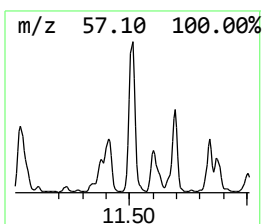
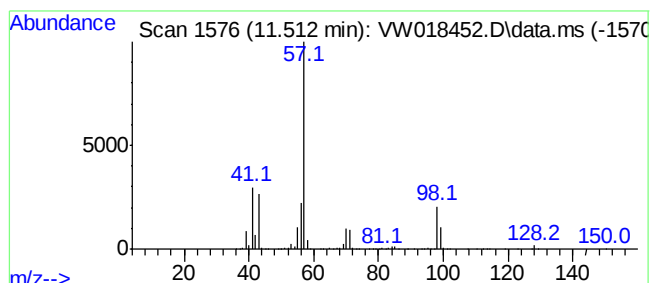
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.512	24.27 ug/L	2556540	Chlorobenzene-d5	11.628

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-		128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	81
3	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	76
4	Heptane, 2,5-dimethyl-		128	C9H20	002216-30-0	74
5	Octane, 3-methyl-		128	C9H20	002216-33-3	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

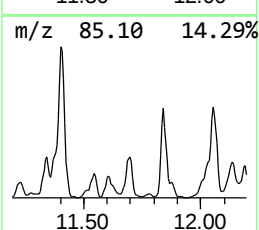
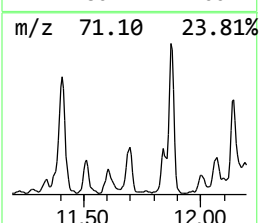
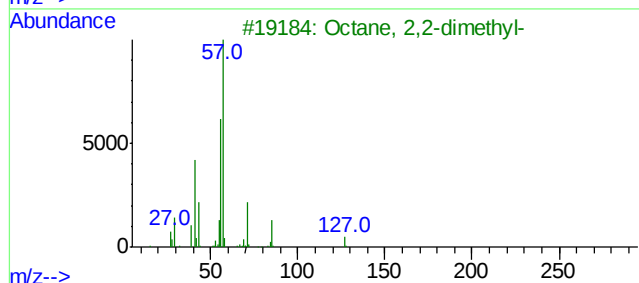
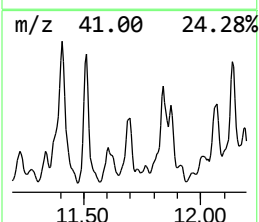
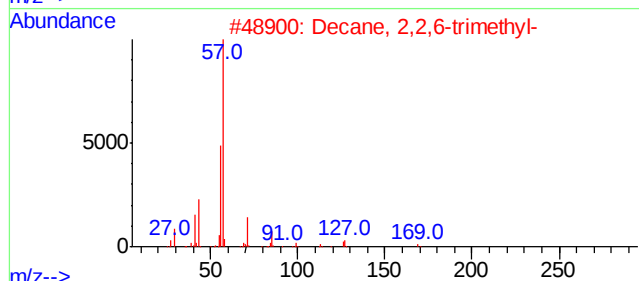
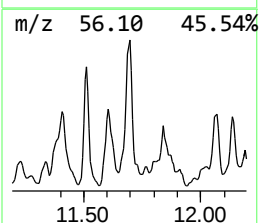
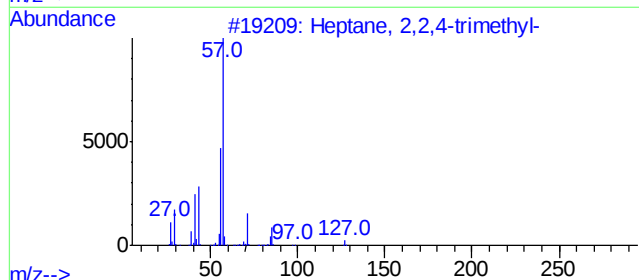
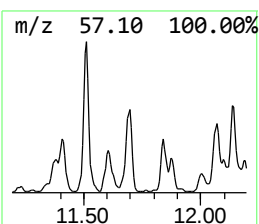
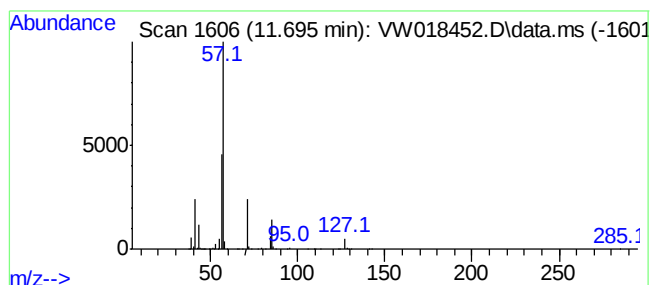
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.695	8.84 ug/L	930930	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	83
2	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	78
3	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	78
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	72
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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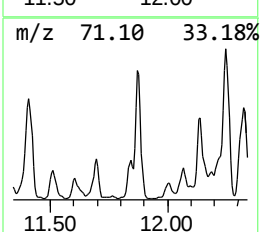
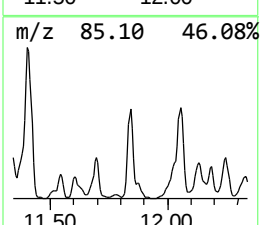
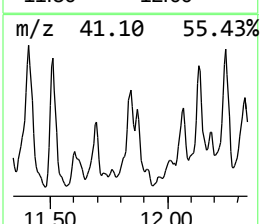
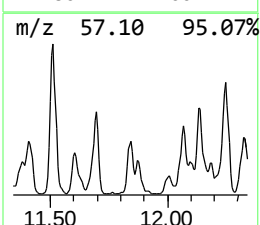
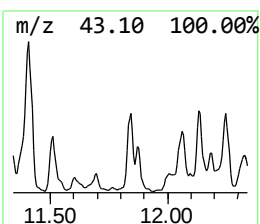
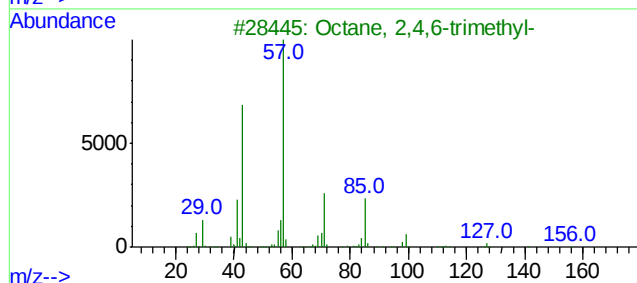
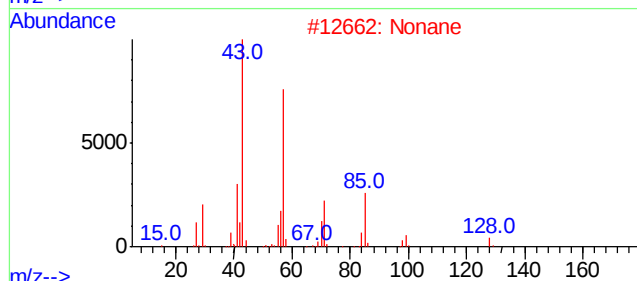
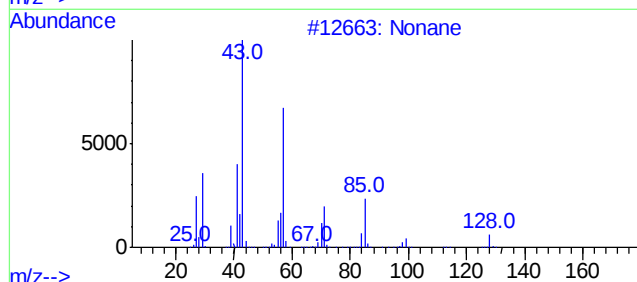
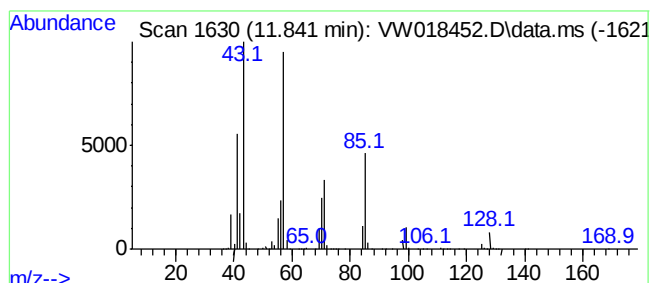
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.841	16.75 ug/L	1764910	Chlorobenzene-d5	11.628

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane		128	C9H20	000111-84-2	93
2	Nonane		128	C9H20	000111-84-2	87
3	Octane, 2,4,6-trimethyl-		156	C11H24	062016-37-9	64
4	Octane		114	C8H18	000111-65-9	64
5	Octane		114	C8H18	000111-65-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

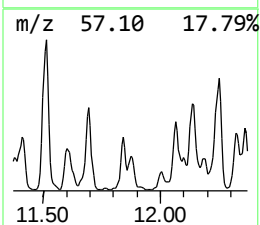
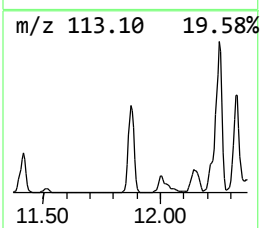
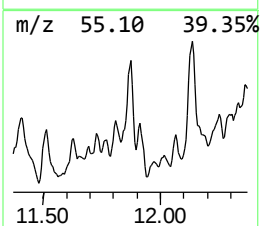
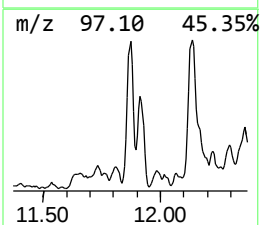
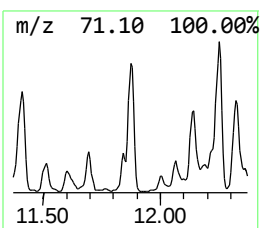
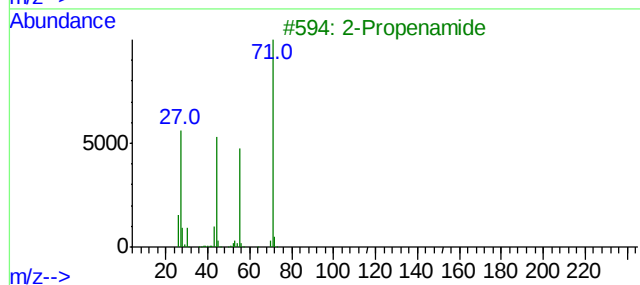
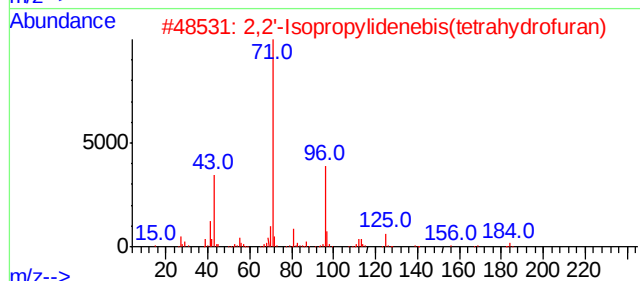
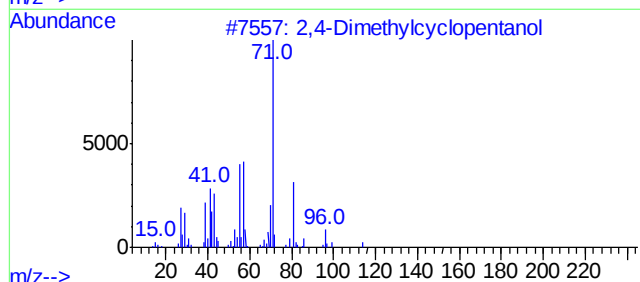
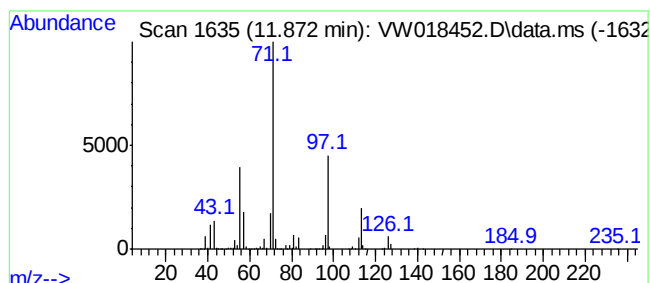
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Quant Title : VOC Analysis

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

Peak Number 24 unknown-01 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.872	13.45 ug/L	1416490	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylcyclopentanol	114	C7H14O	089794-28-5	43
2	2,2'-Isopropylidenebis(tetrahydr...	184	C11H20O2	089686-69-1	38
3	2-Propenamide	71	C3H5NO	000079-06-1	35
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	28
5	Octane, 4-bromo-	192	C8H17Br	000999-06-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

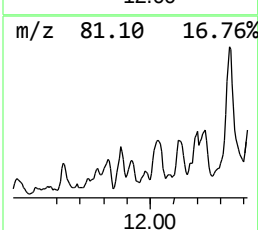
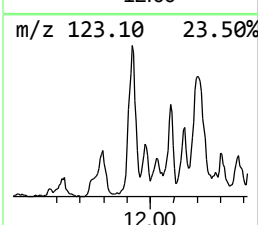
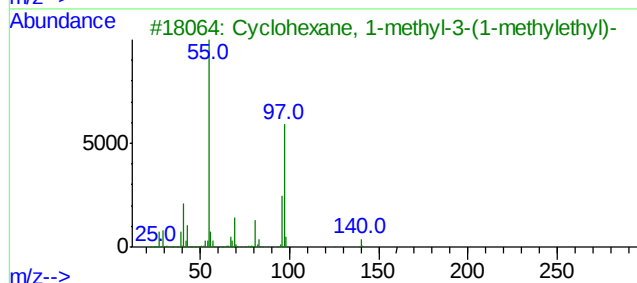
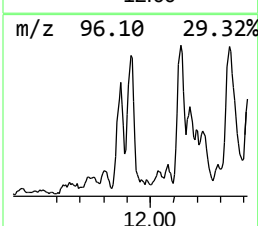
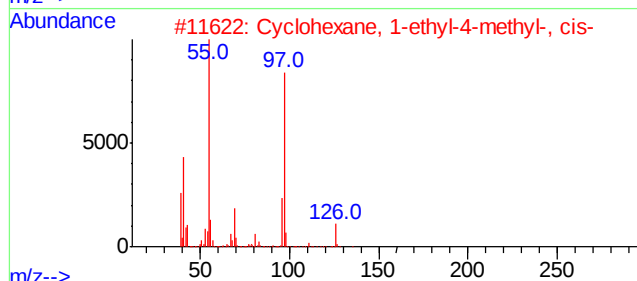
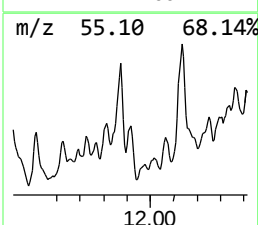
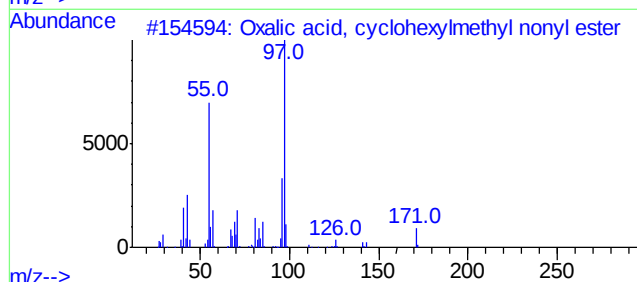
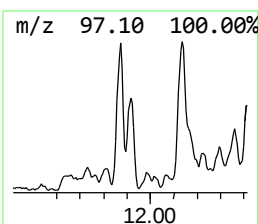
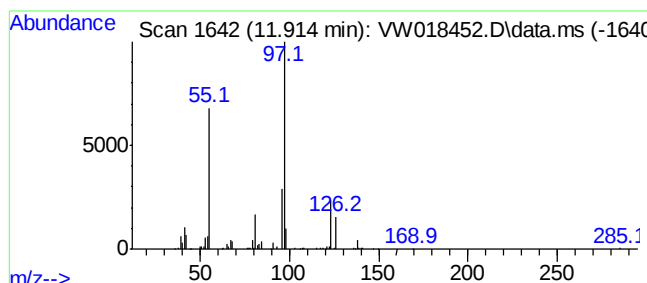
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Quant Title : VOC Analysis

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

Peak Number 25 Oxalic acid, cyclohexylmeth... Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.914	3.74 ug/L	393931	Chlorobenzene-d5	11.628

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxalic acid, cyclohexylmethyl no...	312	C18H32O4	1000309-68-6	64
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	59
3		Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	59
4		Oxalic acid, cyclohexylmethyl de...	326	C19H34O4	1000309-68-7	59
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

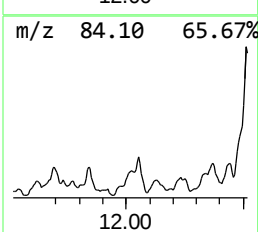
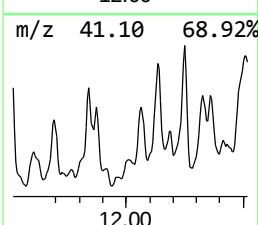
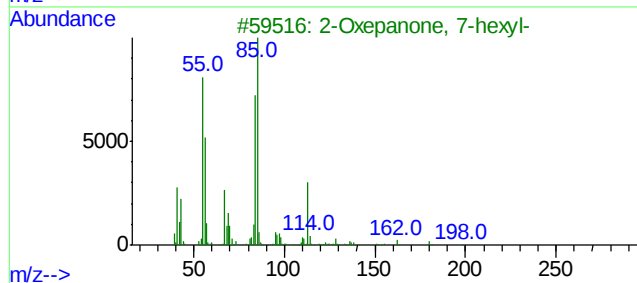
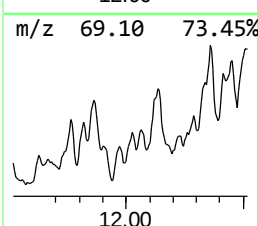
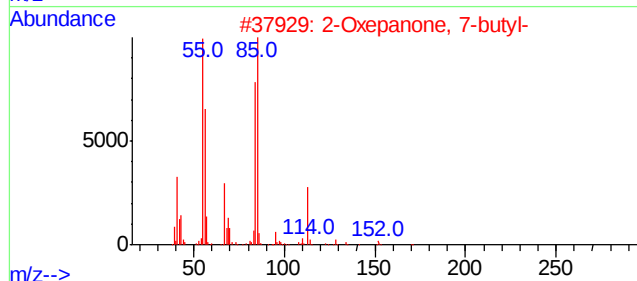
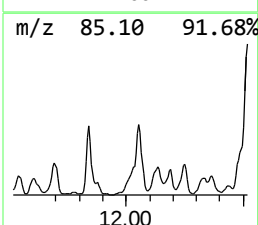
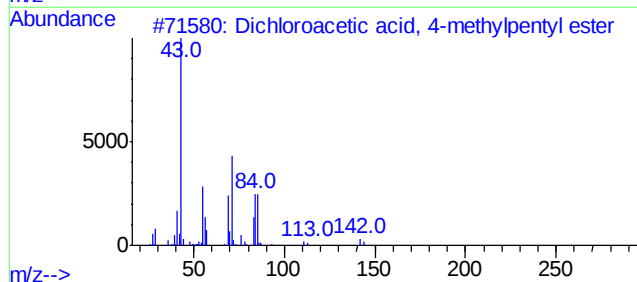
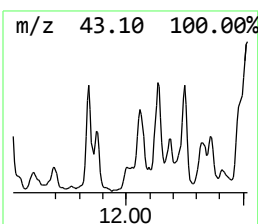
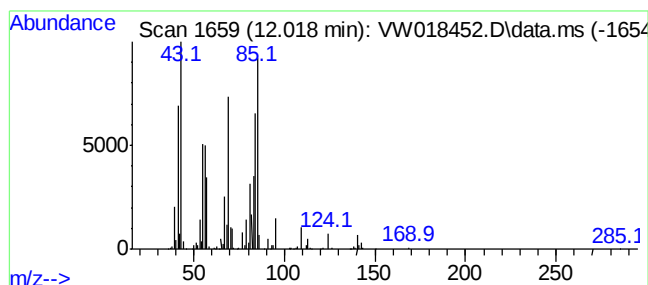
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Quant Title : VOC Analysis

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

Peak Number 26 Dichloroacetic acid, 4-meth... Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.018	4.56 ug/L	480062	Chlorobenzene-d5	11.628

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	64
2		2-Oxepanone, 7-butyl-	170	C10H18O2	005579-78-2	47
3		2-Oxepanone, 7-hexyl-	198	C12H22O2	016429-21-3	43
4		trans-Crotonamide	85	C4H7NO	000625-37-6	43
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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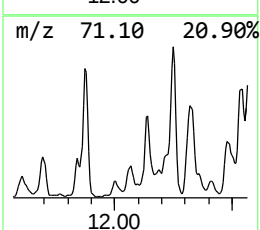
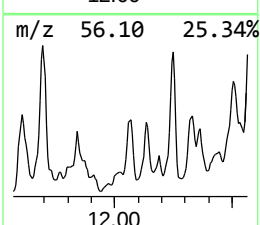
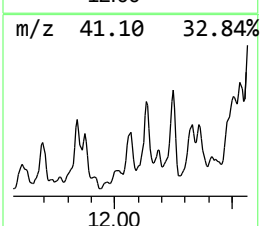
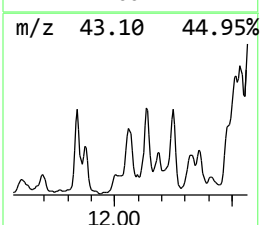
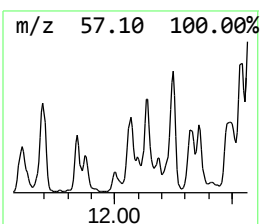
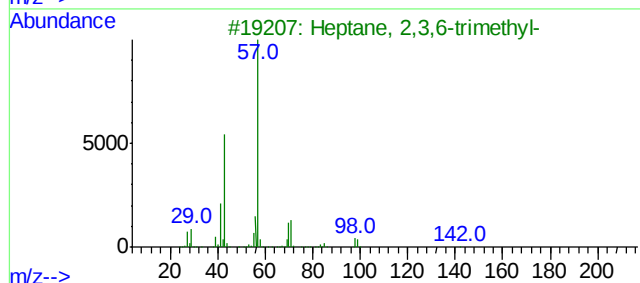
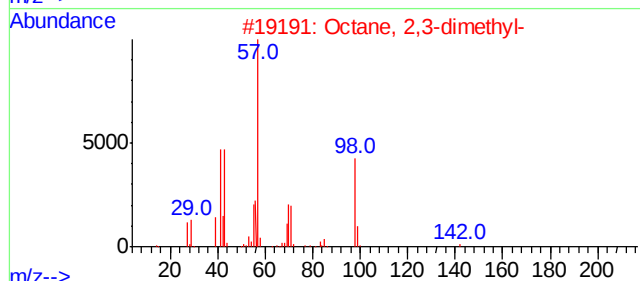
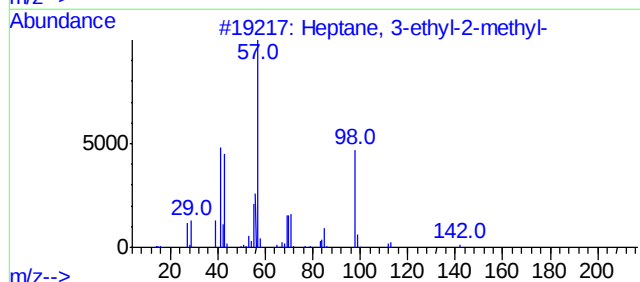
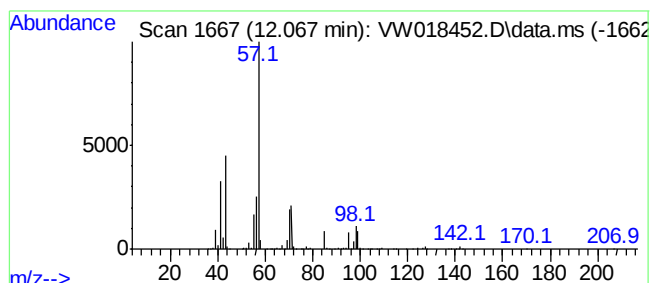
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Quant Title : VOC Analysis

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

Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.067	11.01 ug/L	1159460	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	72
3	Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	59
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	53
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

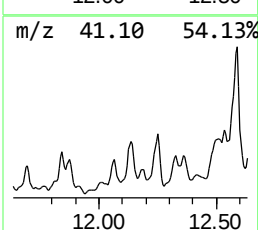
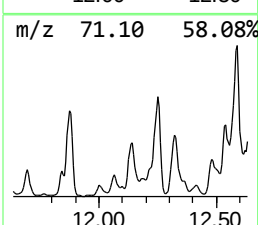
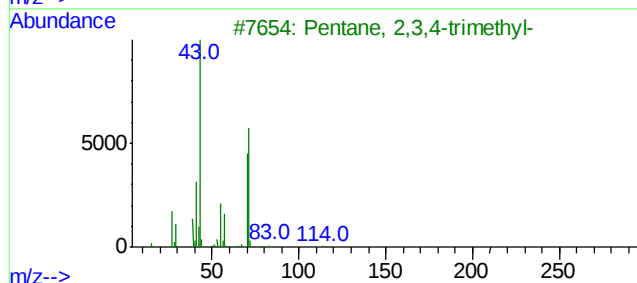
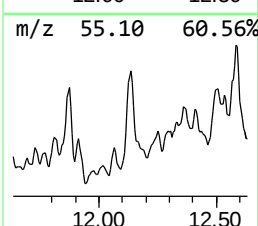
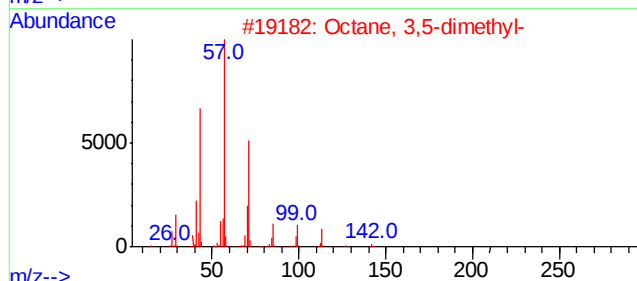
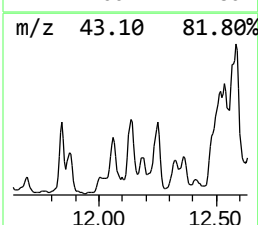
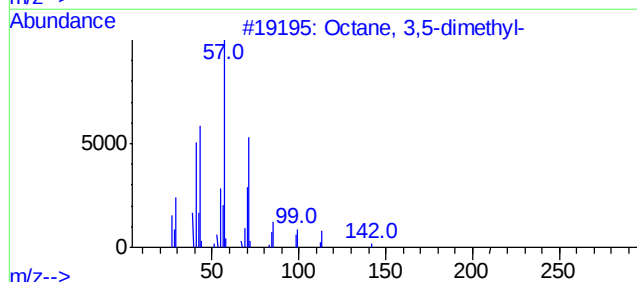
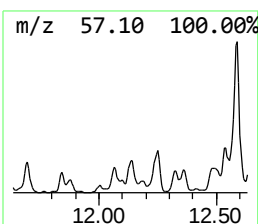
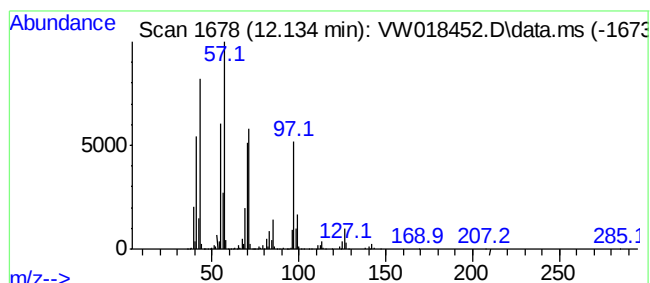
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.134	22.31 ug/L	2350640	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	46
2	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	45
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	38
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	38
5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

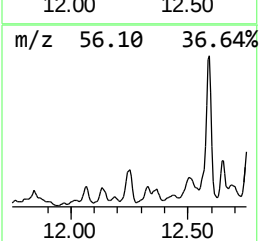
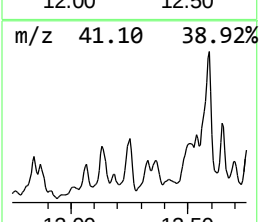
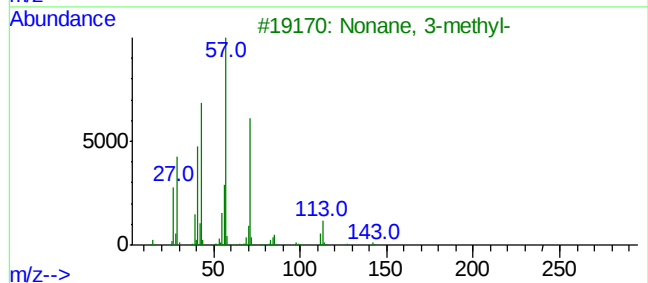
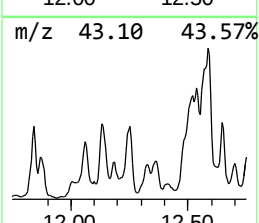
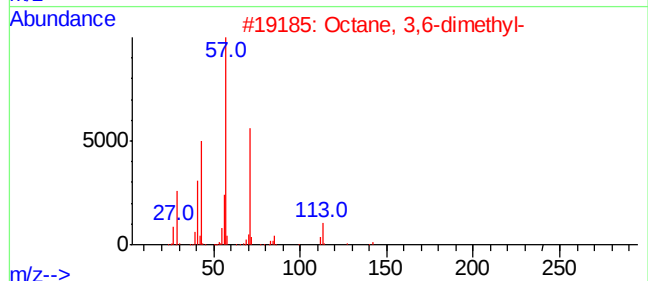
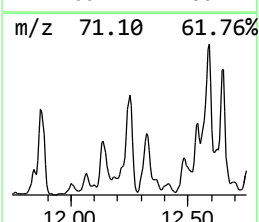
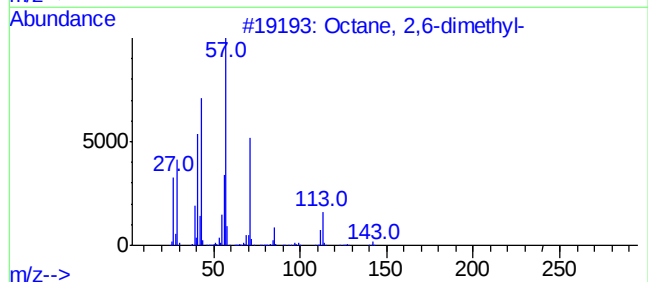
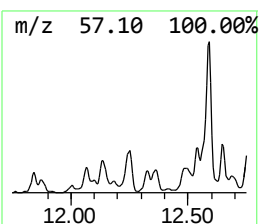
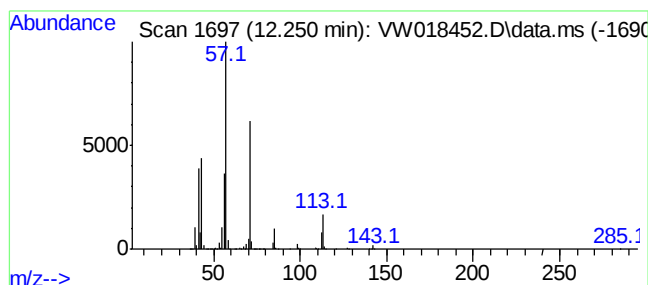
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Quant Title : VOC Analysis

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

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.250	24.40 ug/L	2570100	Chlorobenzene-d5	11.628

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

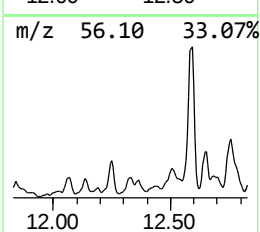
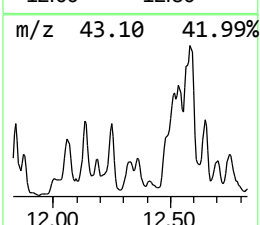
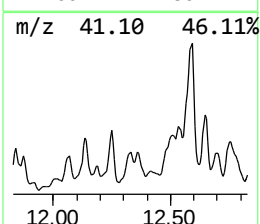
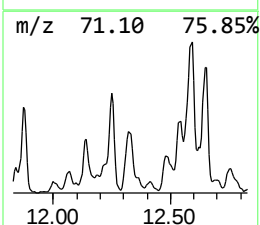
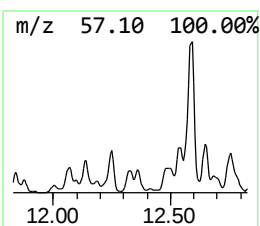
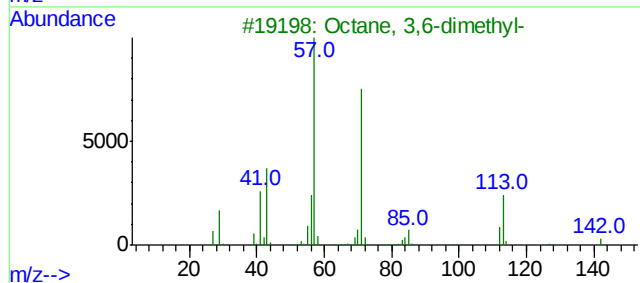
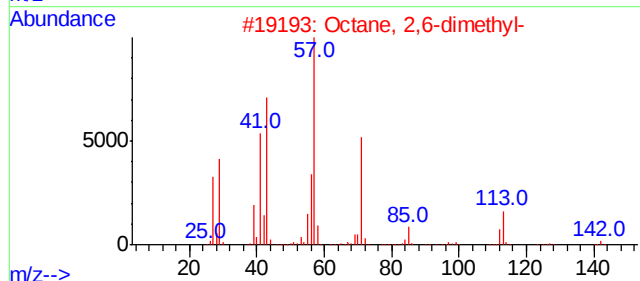
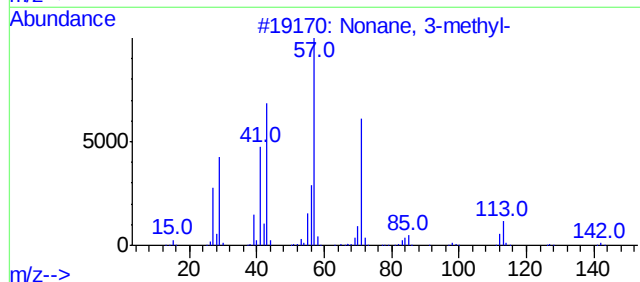
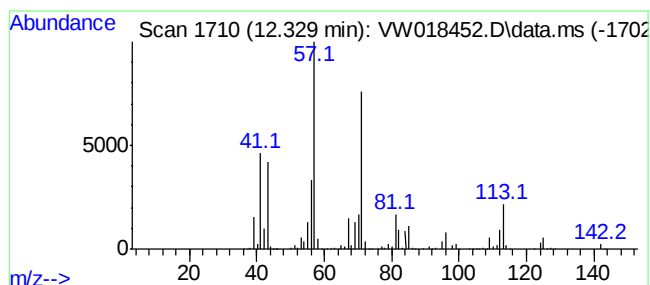
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Quant Title : VOC Analysis

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

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.329	21.06 ug/L	2218440	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	83
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG4C4

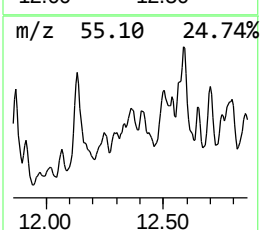
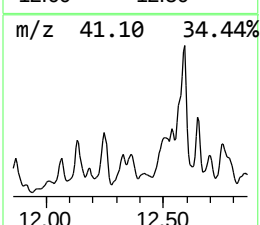
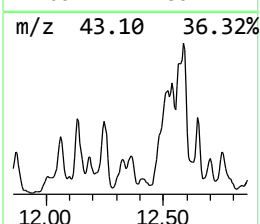
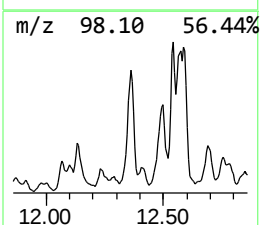
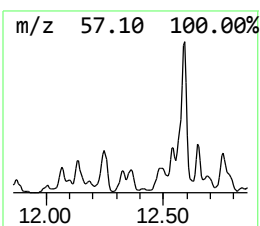
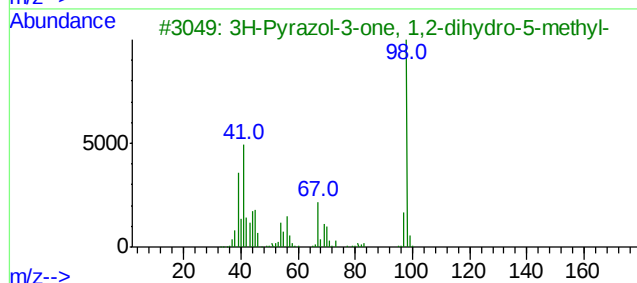
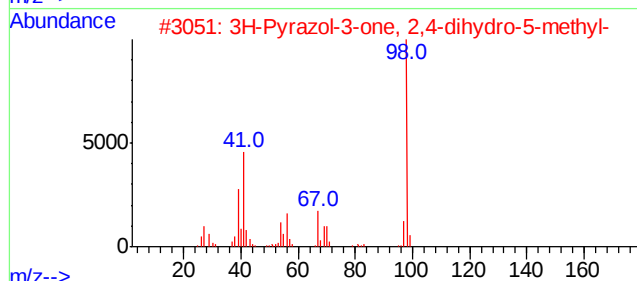
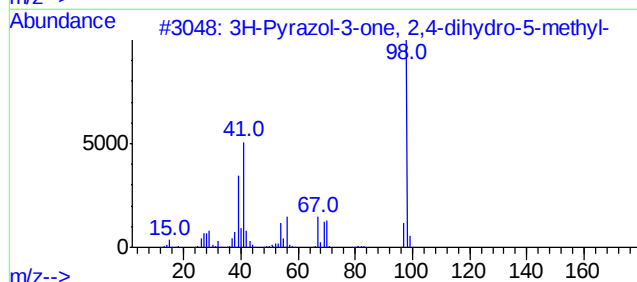
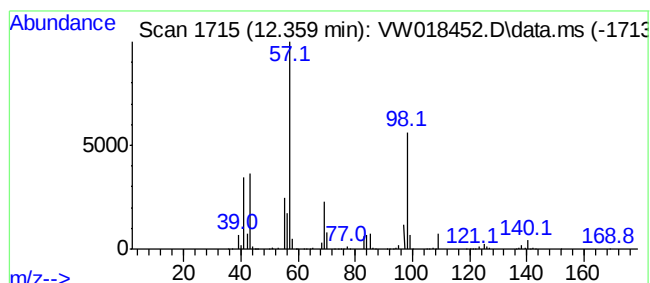
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Quant Title : VOC Analysis

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

Peak Number 32 unknown-02 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.359	10.99 ug/L	1157350	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-Pyrazol-3-one, 2,4-dihydro-5-...	98	C4H6N2O	000108-26-9	49
2	3H-Pyrazol-3-one, 2,4-dihydro-5-...	98	C4H6N2O	000108-26-9	49
3	3H-Pyrazol-3-one, 1,2-dihydro-5-...	98	C4H6N2O	004344-87-0	46
4	1-Propene, 1,1'-oxybis-, (Z,Z)-	98	C6H10O	004696-27-9	46
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

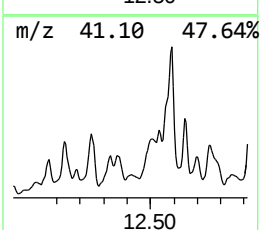
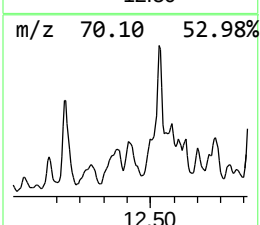
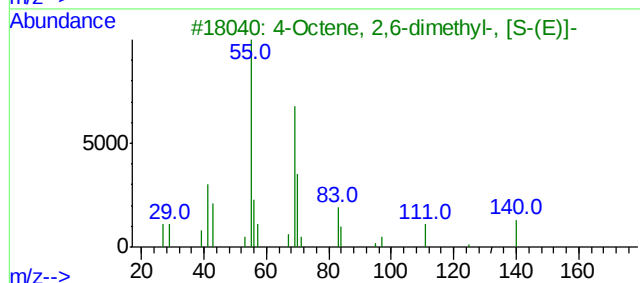
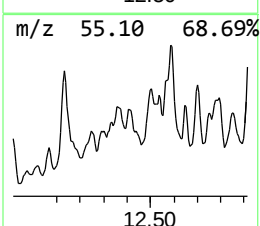
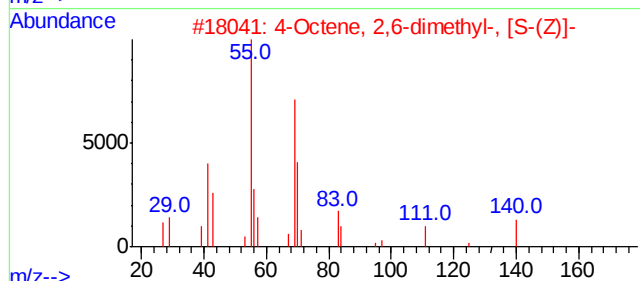
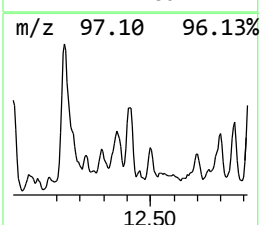
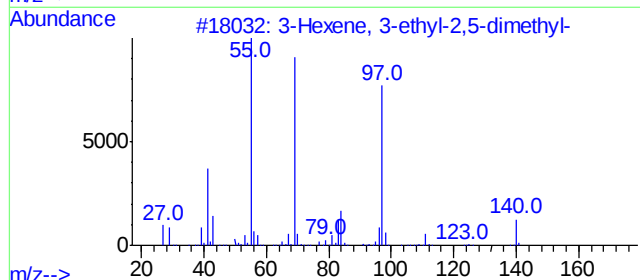
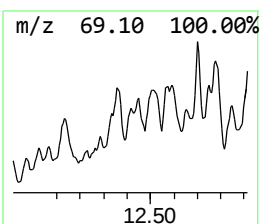
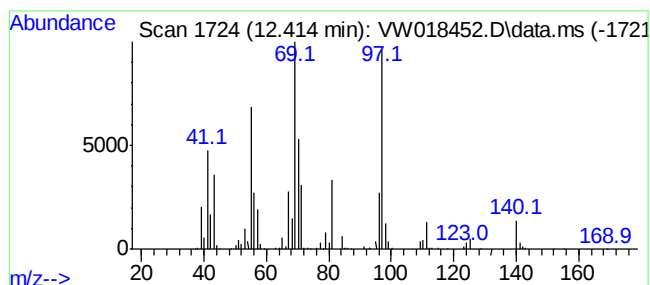
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Quant Title : VOC Analysis

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

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.414	4.28 ug/L	450801	Chlorobenzene-d5	11.628

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	50	
2	4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	46	
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	43	
4	Oxalic acid, cyclohexylmethyl oc...	298	C17H30O4	1000309-68-4	38	
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	38	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

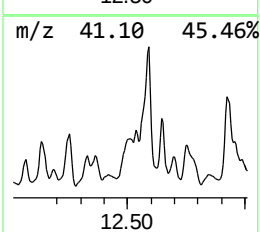
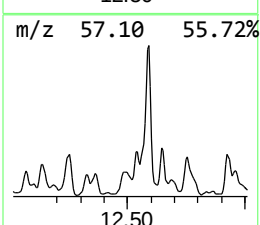
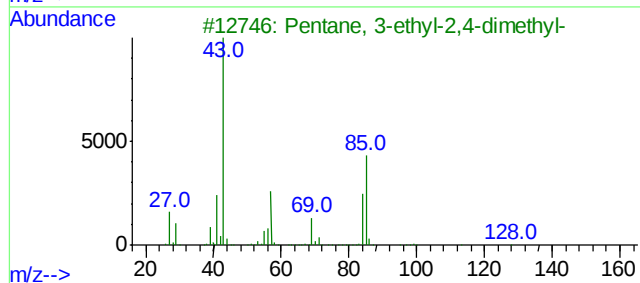
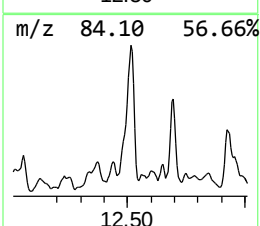
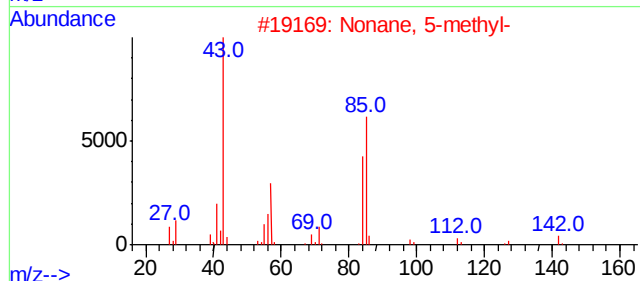
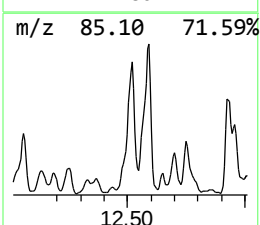
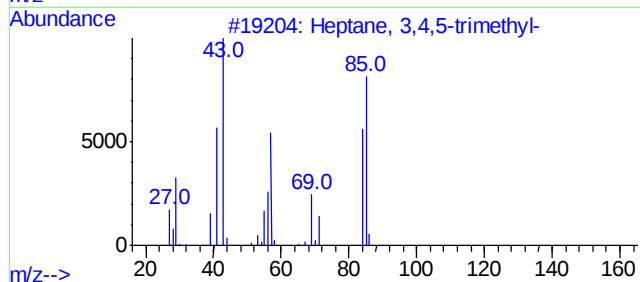
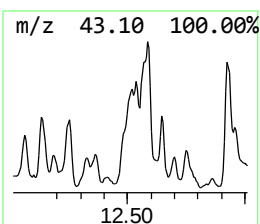
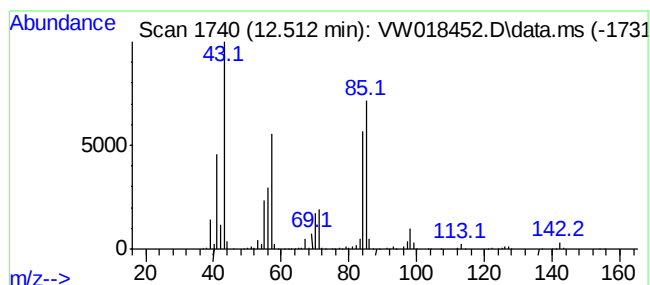
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.512	33.38 ug/L	3517070	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	72
2			Nonane, 5-methyl-	142	C10H22	015869-85-9	59
3			Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
5			2,2-Dimethylpropionic acid, 4-me...	186	C11H22O2	150588-62-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

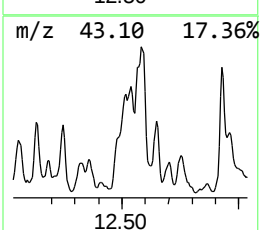
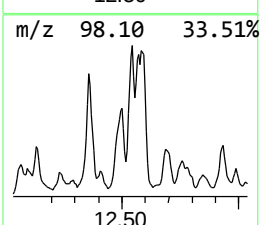
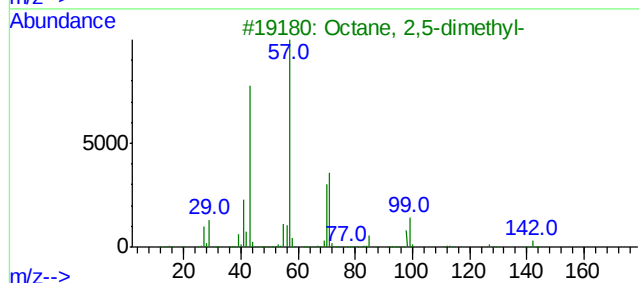
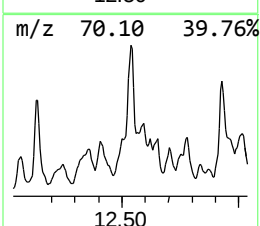
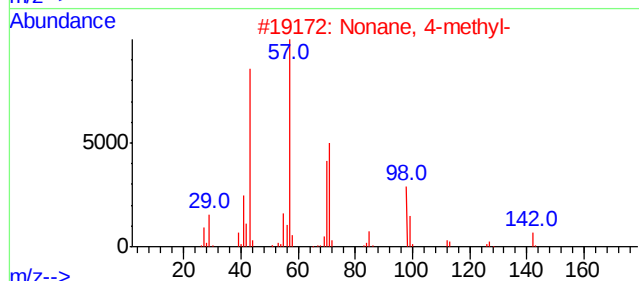
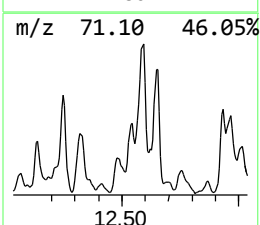
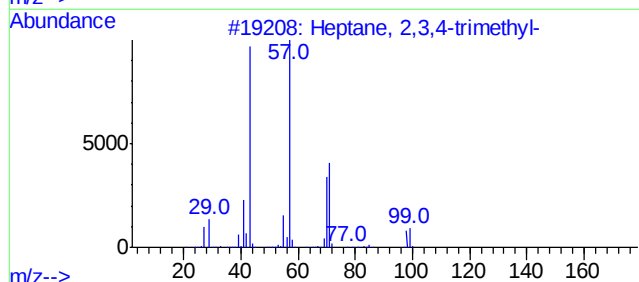
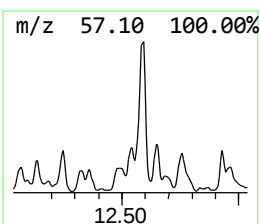
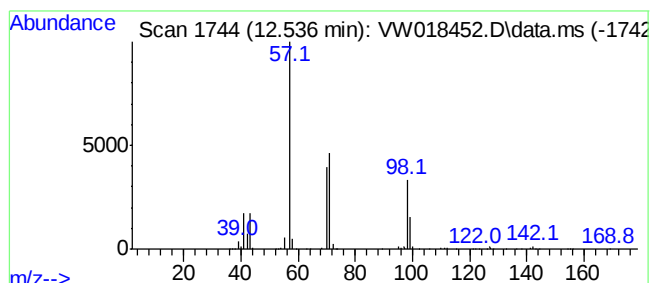
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Quant Title : VOC Analysis

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

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.536	4.11 ug/L	433198	Chlorobenzene-d5	11.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	59
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG4C4

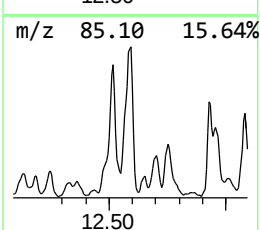
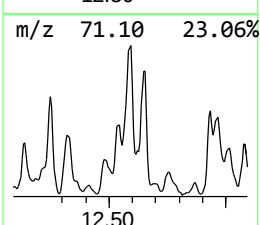
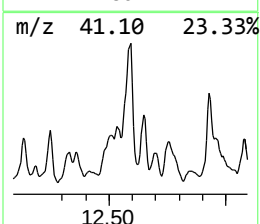
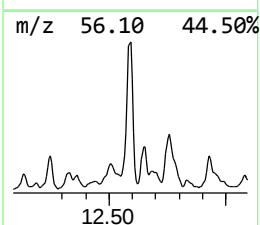
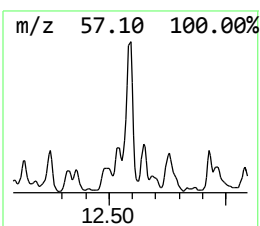
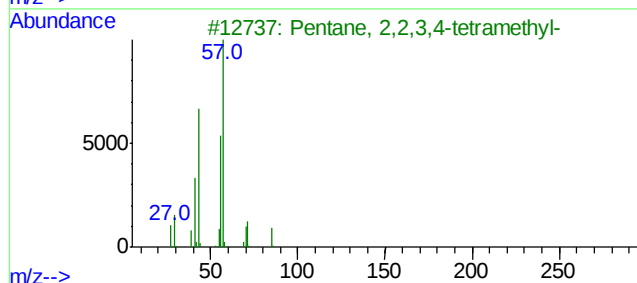
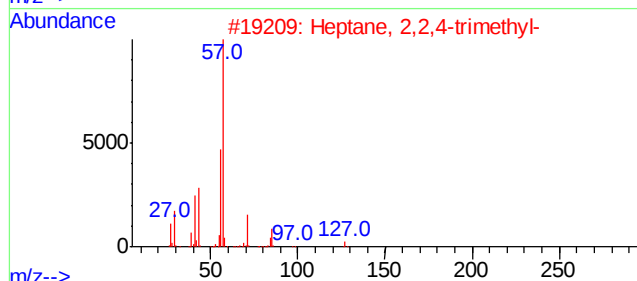
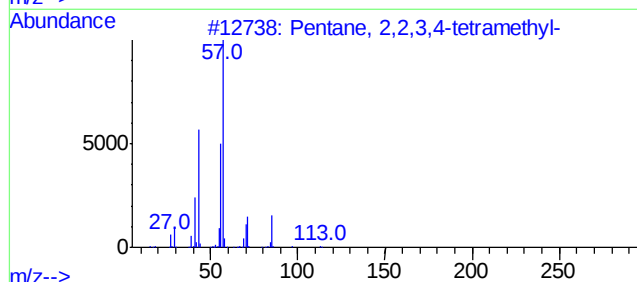
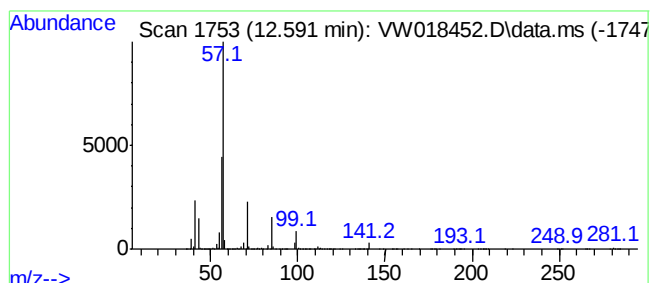
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Quant Title : VOC Analysis

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

Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	54.34 ug/L	7222490	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	72
2	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	59
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	59
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	56
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

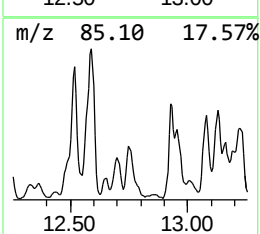
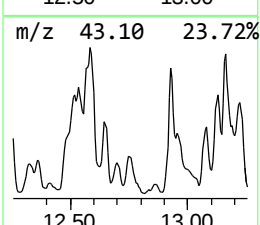
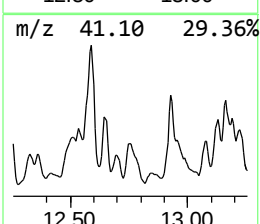
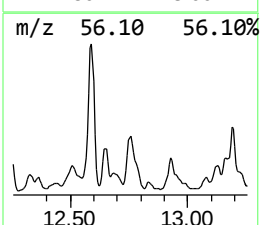
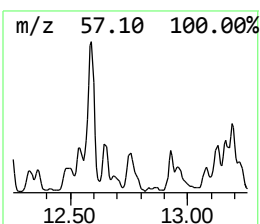
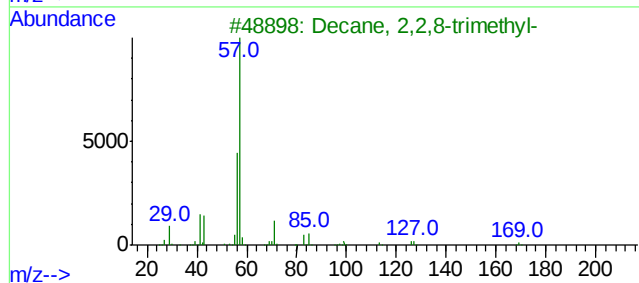
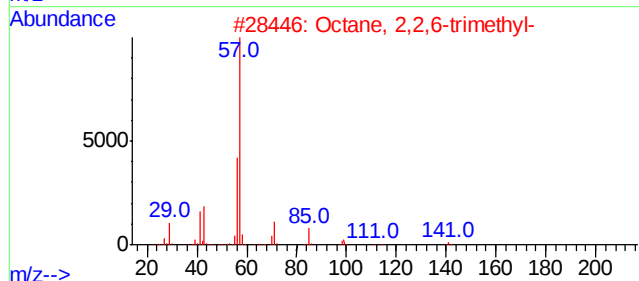
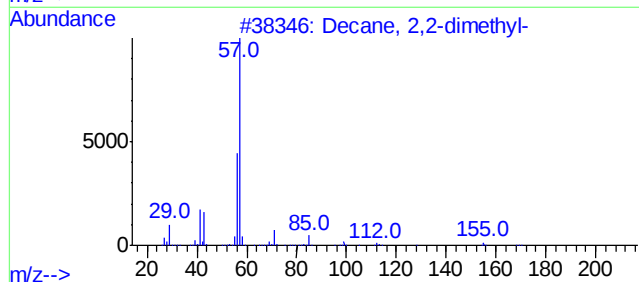
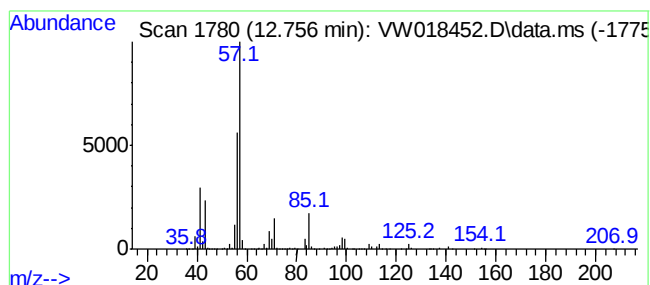
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MSVOA_W
ClientSampleId :
BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.756	27.59 ug/L	3666660	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	72
2	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
3	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
5	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

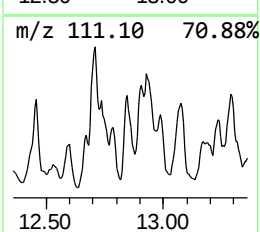
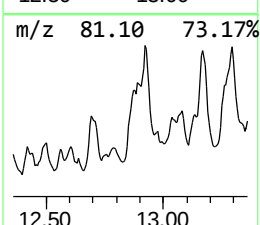
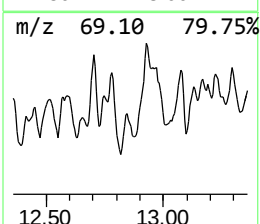
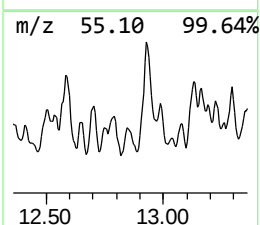
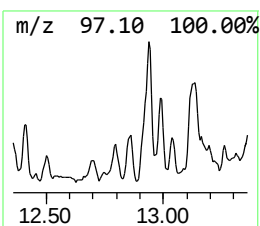
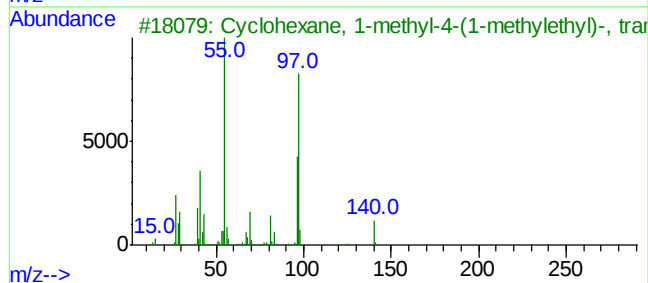
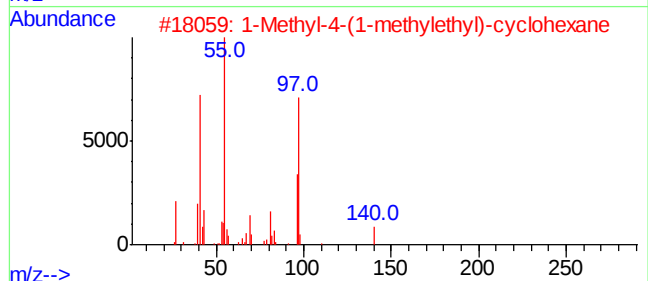
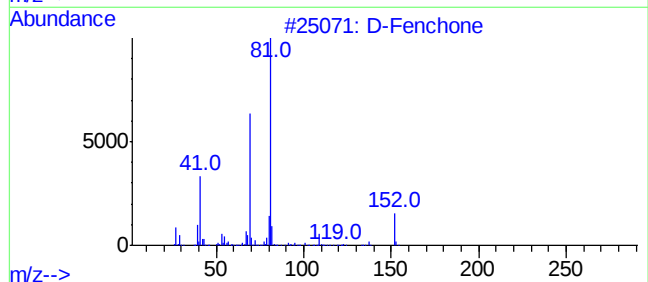
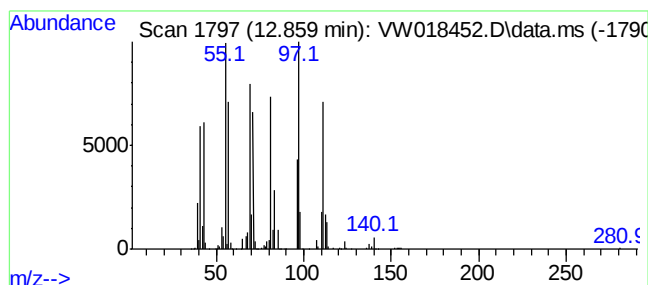
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Quant Title : VOC Analysis

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

Peak Number 38 unknown-03 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.859	7.75 ug/L	1030450	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Fenchone	152	C10H16O	004695-62-9	27
2			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	22
3			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	22
4			5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	18
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

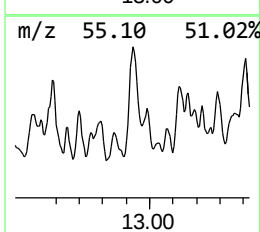
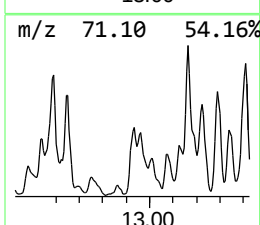
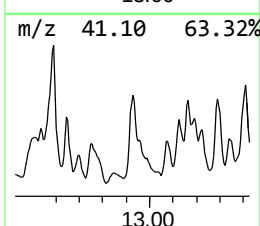
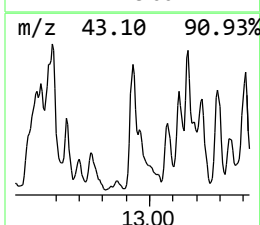
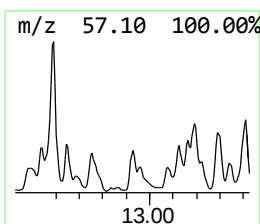
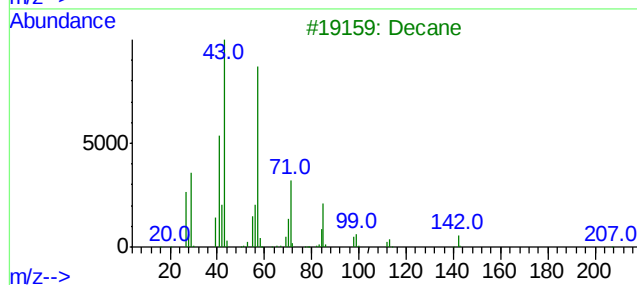
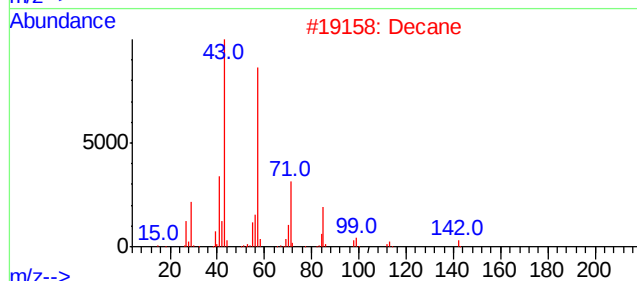
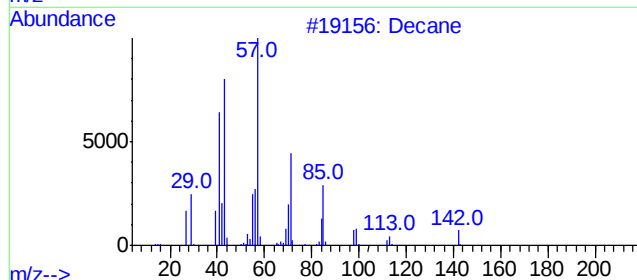
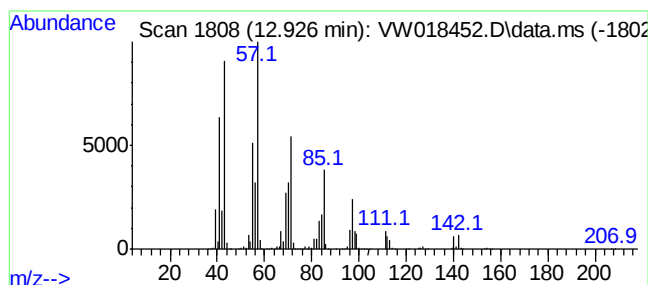
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Quant Title : VOC Analysis

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

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.926	64.09 ug/L	8518560	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	94
2	Decane		142	C10H22	000124-18-5	70
3	Decane		142	C10H22	000124-18-5	68
4	Oxalic acid, allyl dodecyl ester		298	C17H30O4	1000309-24-0	59
5	1-Octanol, 2-butyl-		186	C12H26O	003913-02-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG4C4

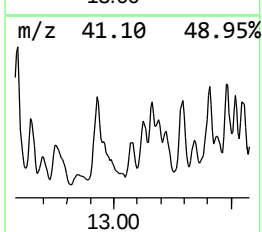
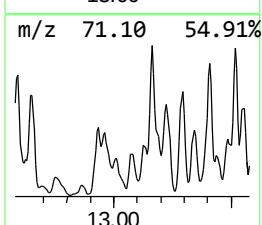
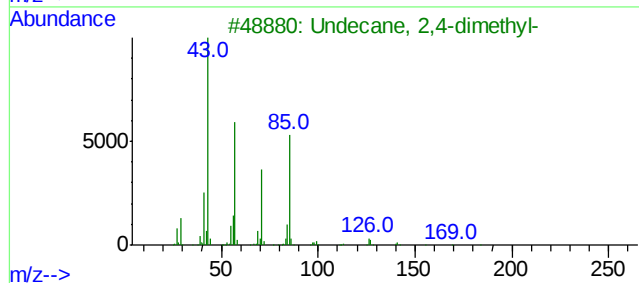
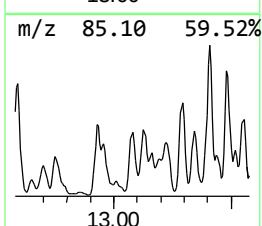
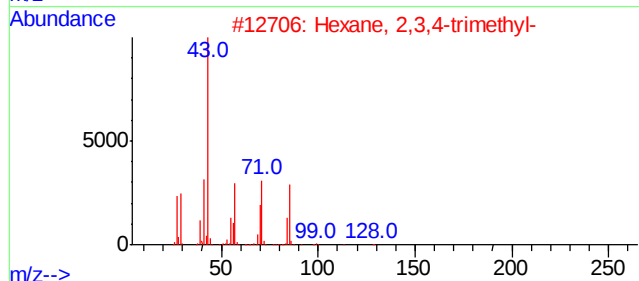
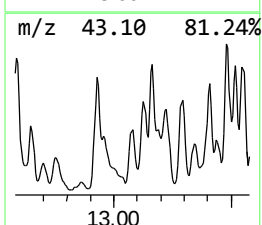
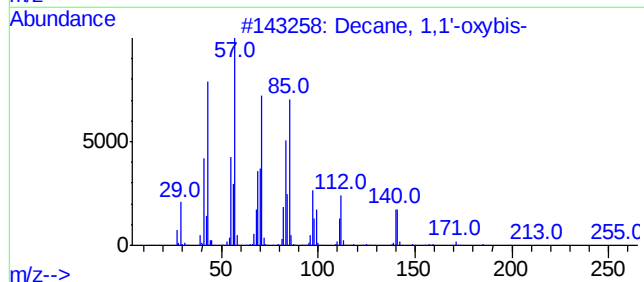
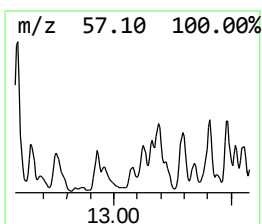
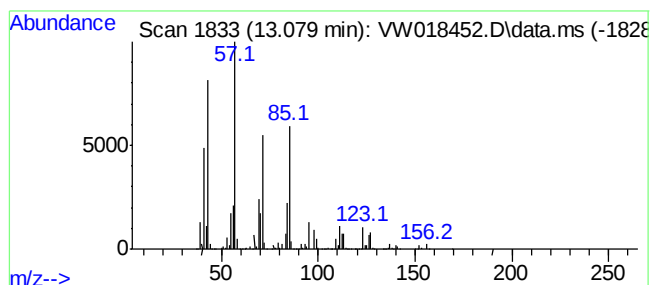
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Quant Title : VOC Analysis

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

Peak Number 40 Decane, 1,1'-oxybis- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.079	14.04 ug/L	1866380	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	72
2			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58
3			Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	53
4			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	53
5			Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

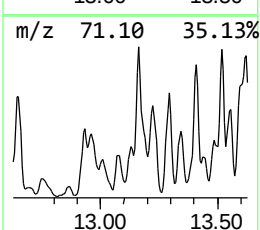
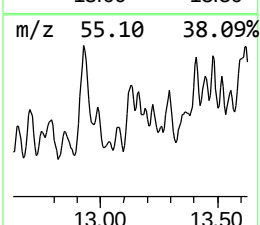
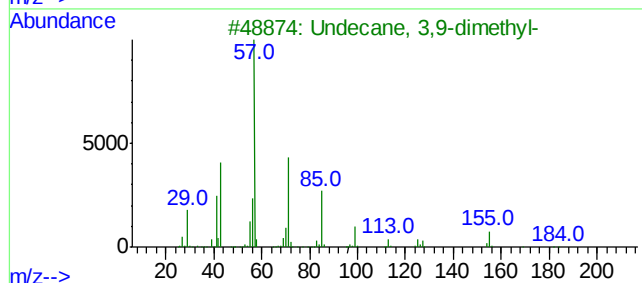
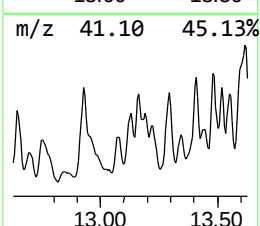
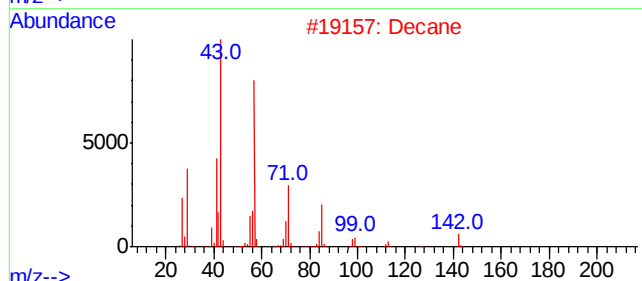
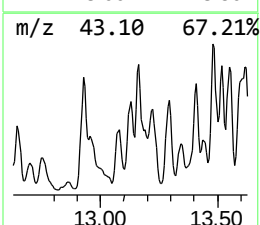
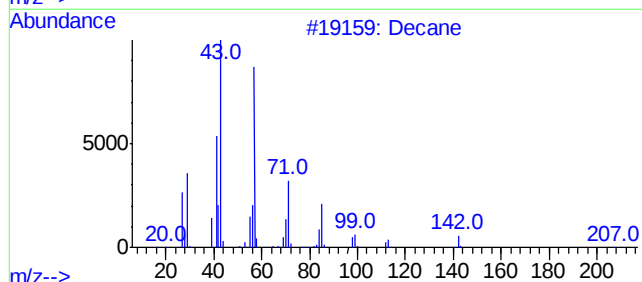
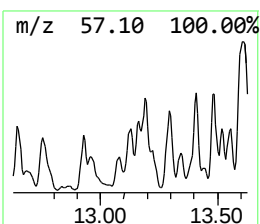
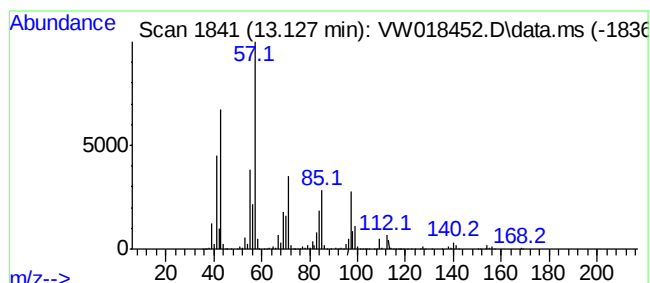
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Quant Title : VOC Analysis

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

Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.128	20.66 ug/L	2745640	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	81
2	Decane		142	C10H22	000124-18-5	76
3	Undecane, 3,9-dimethyl-		184	C13H28	017301-31-4	53
4	Decane		142	C10H22	000124-18-5	50
5	Dotriacontane		451	C32H66	000544-85-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

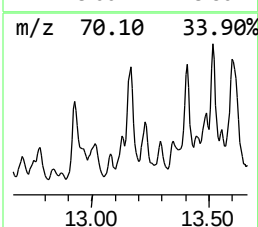
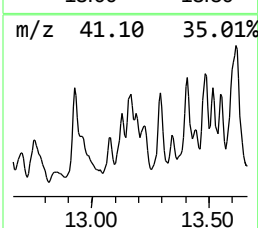
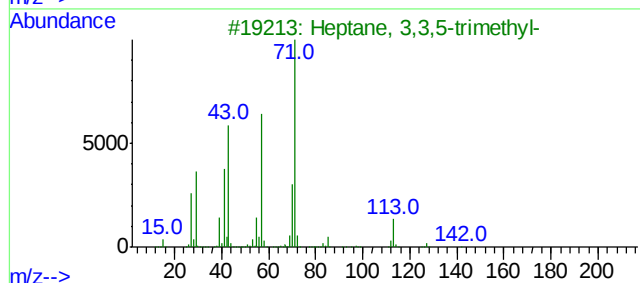
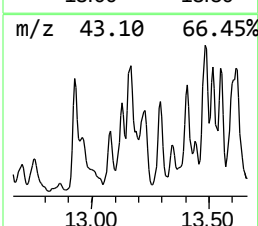
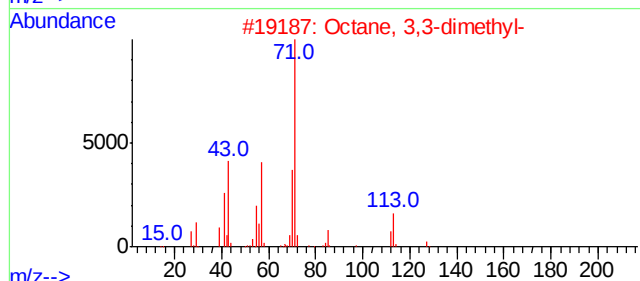
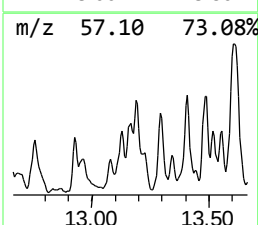
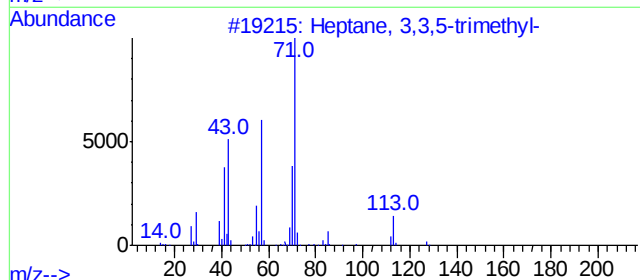
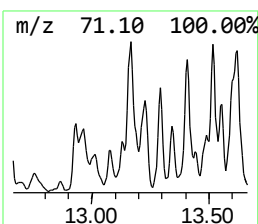
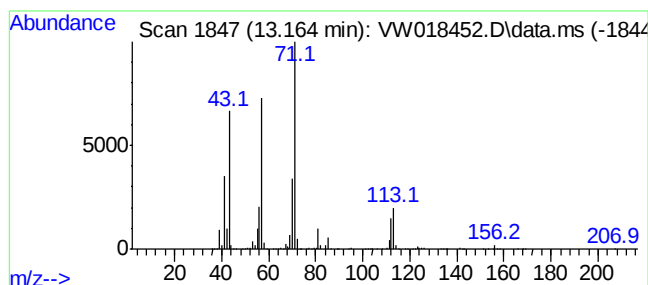
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.164	12.90 ug/L	1714940	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	59
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	53
4	Decane, 4-methyl-	156	C11H24	002847-72-5	53
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

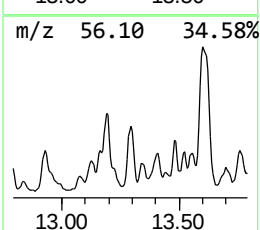
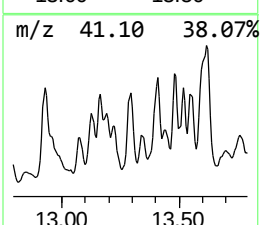
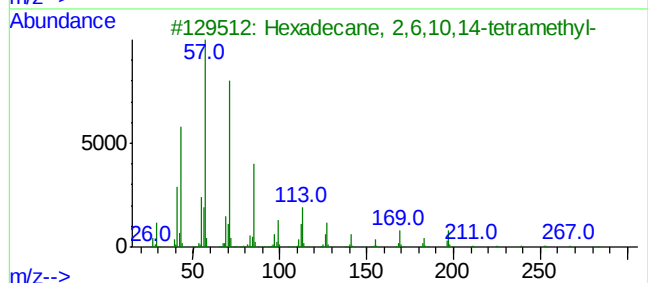
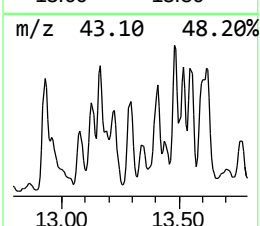
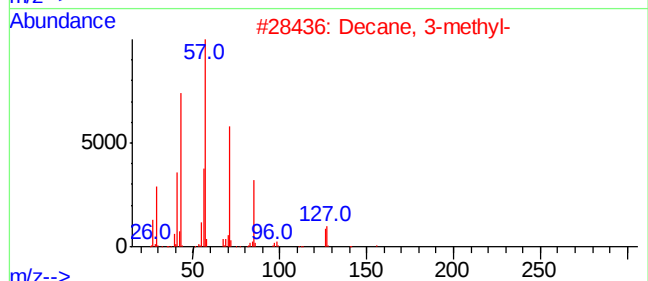
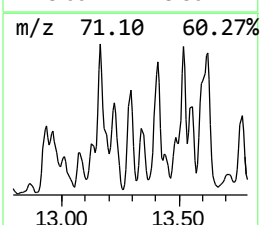
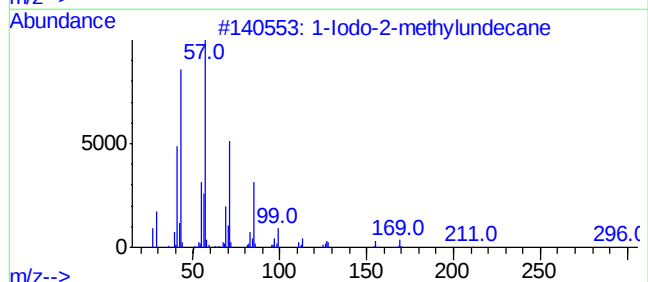
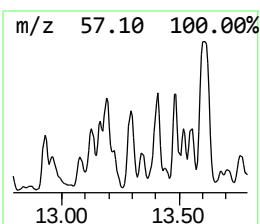
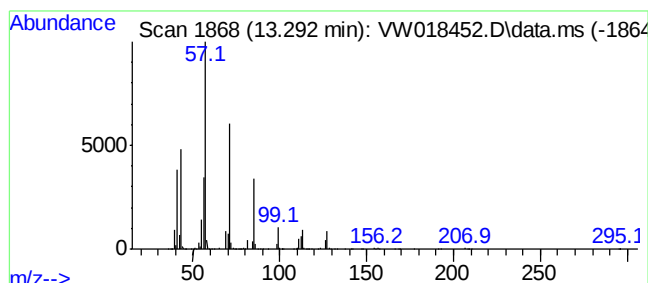
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Quant Title : VOC Analysis

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

Peak Number 43 1-Iodo-2-methylundecane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	23.50 ug/L	3123830	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	83	
2	Decane, 3-methyl-	156	C11H24	013151-34-3	76	
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64	
4	Heptacosane	380	C27H56	000593-49-7	64	
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

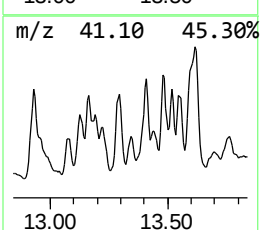
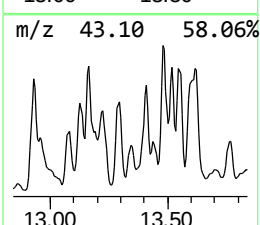
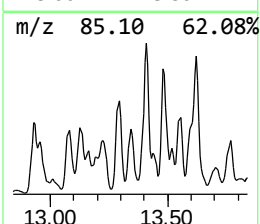
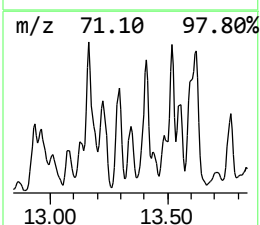
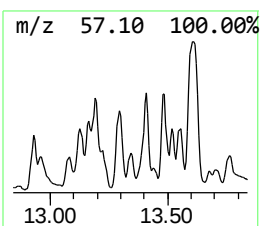
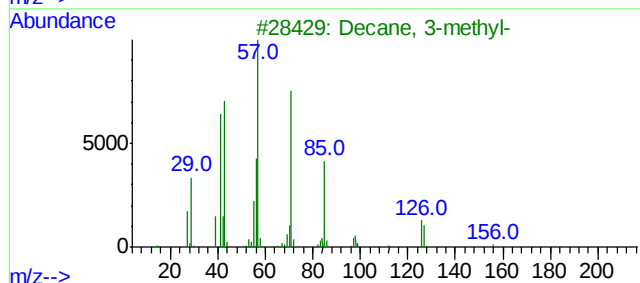
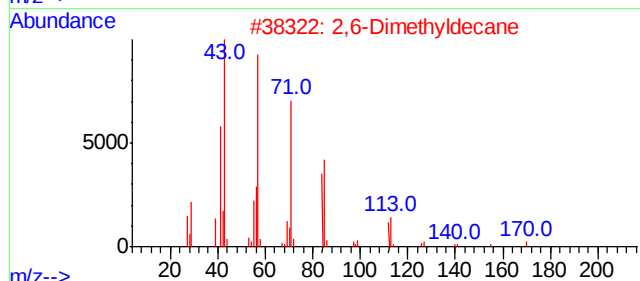
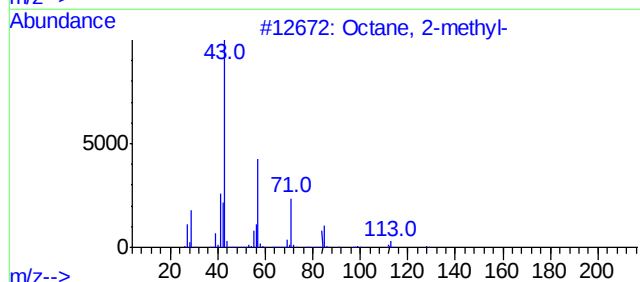
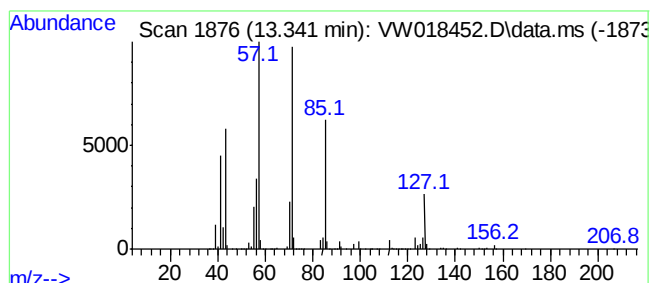
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Quant Title : VOC Analysis

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

Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.341	10.21 ug/L	1356530	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	64
3	Decane, 3-methyl-	156	C11H24	013151-34-3	64
4	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

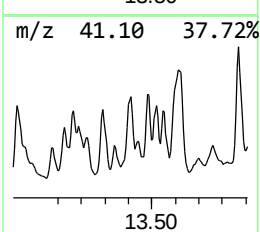
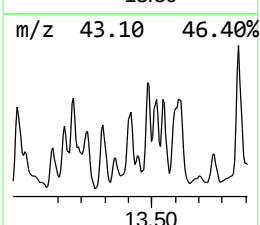
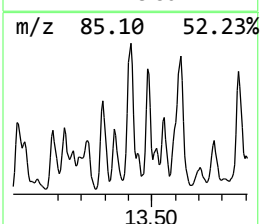
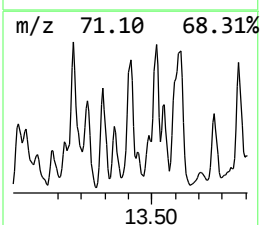
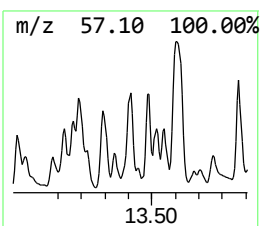
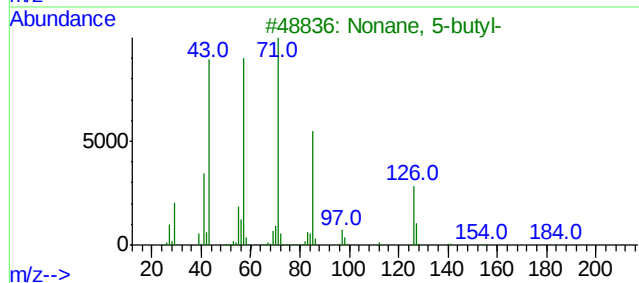
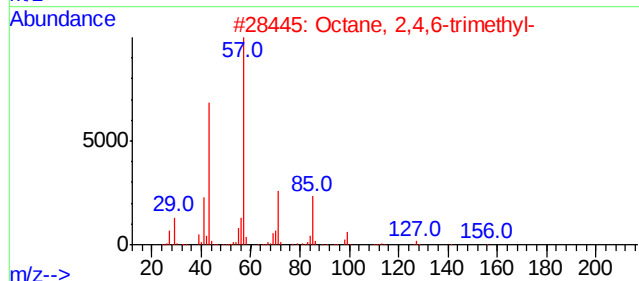
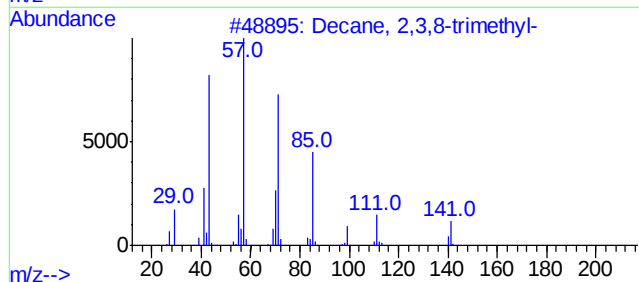
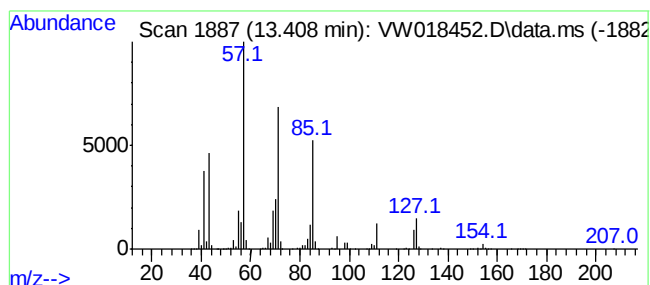
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Quant Title : VOC Analysis

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

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.408	33.86 ug/L	4500120	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	64
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	58
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	53
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	53
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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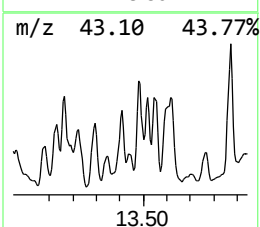
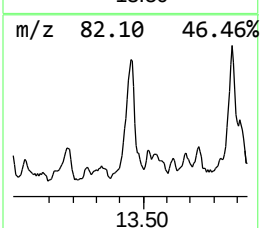
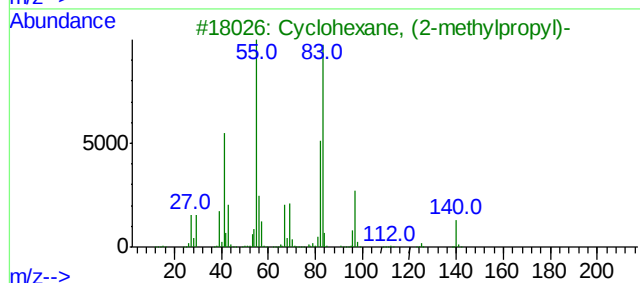
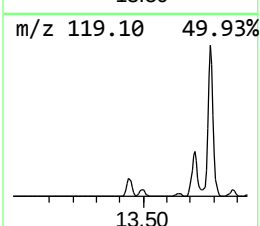
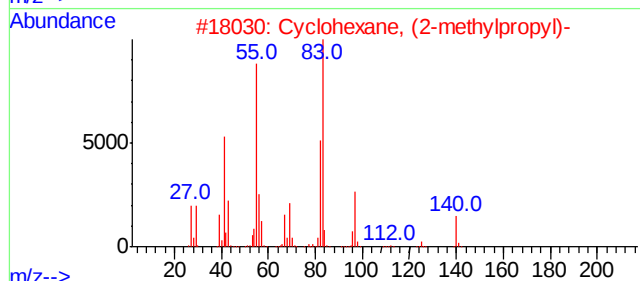
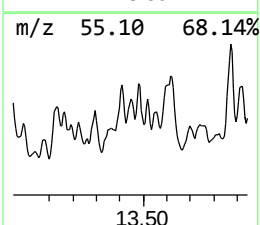
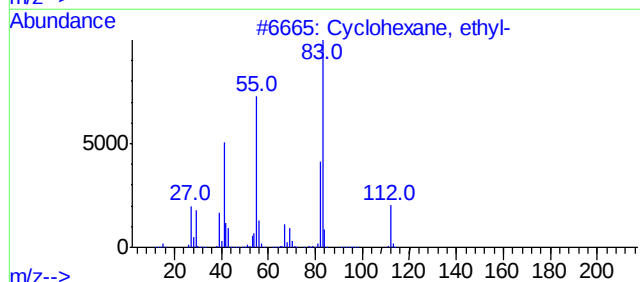
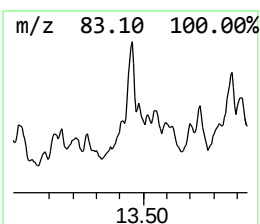
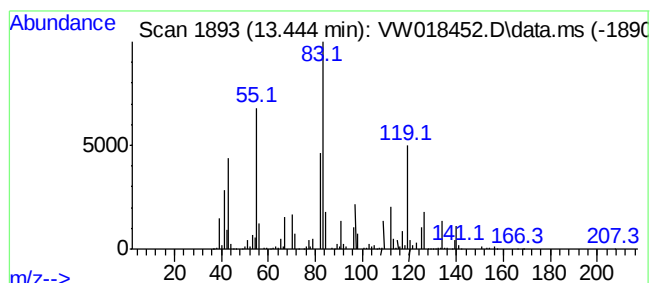
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Cyclic13.445 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.445	13.09 ug/L	1740010	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	55
2			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
3			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	49
4			Cyclohexane, ethyl-	112	C8H16	001678-91-7	46
5			Cyclohexane, ethyl-	112	C8H16	001678-91-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

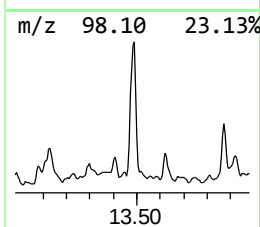
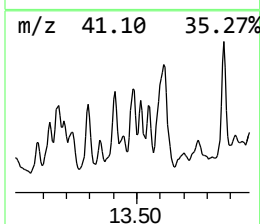
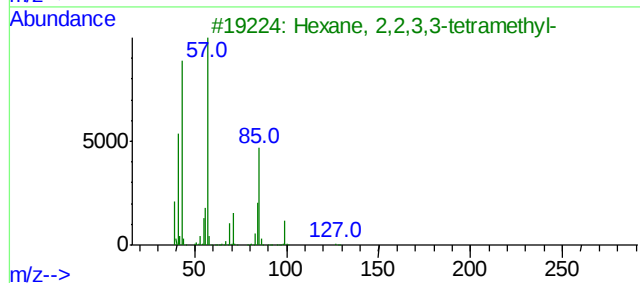
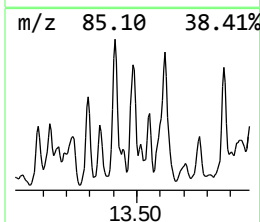
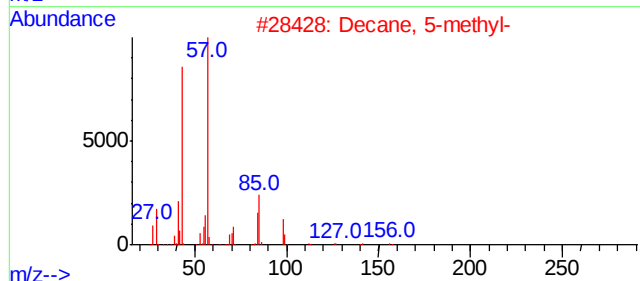
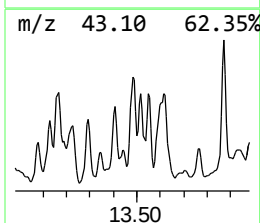
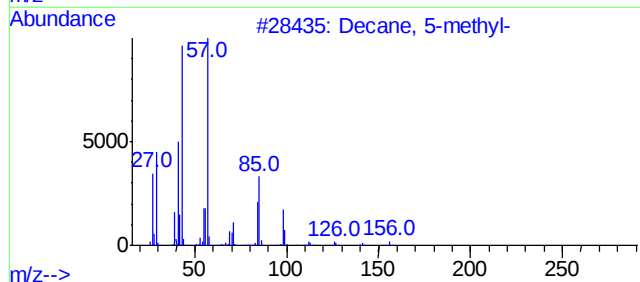
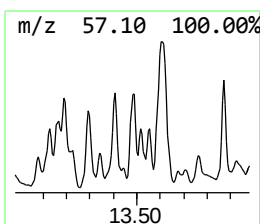
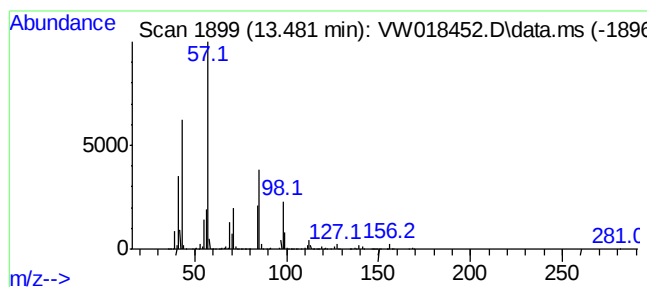
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Quant Title : VOC Analysis

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

Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.481	27.53 ug/L	3658450	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 5-methyl-	156	C11H24	013151-35-4	83
2			Decane, 5-methyl-	156	C11H24	013151-35-4	76
3			Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	64
4			Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
5			Pentane, 3-ethyl-2,3-dimethyl-	128	C9H20	016747-33-4	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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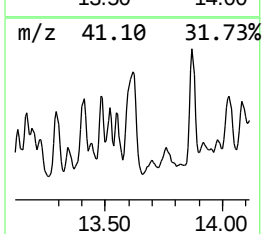
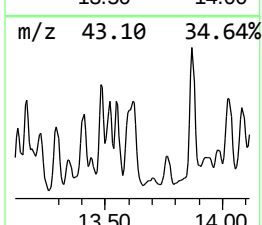
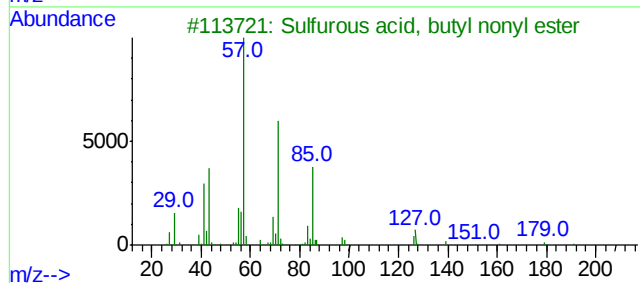
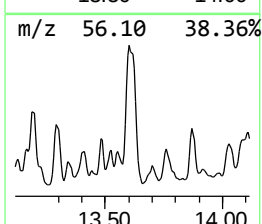
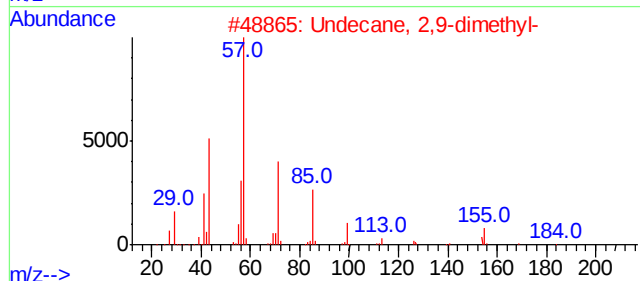
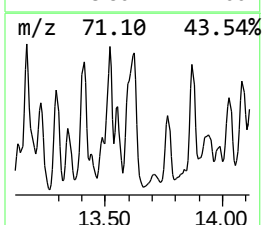
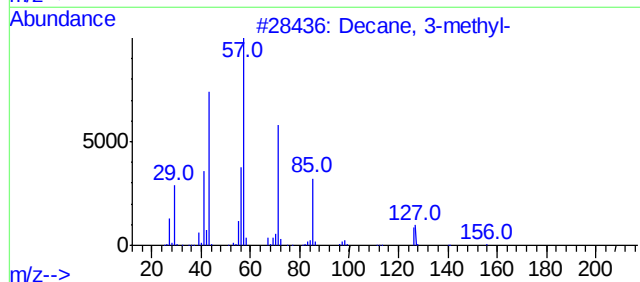
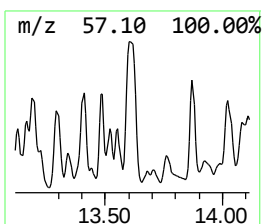
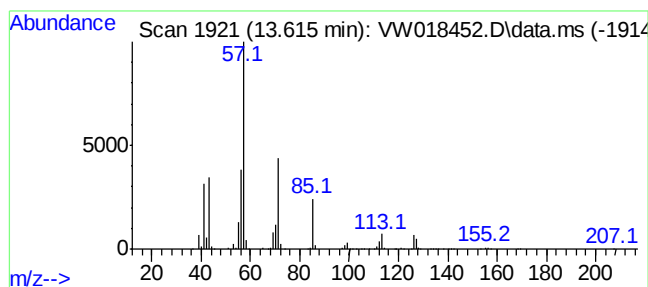
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Quant Title : VOC Analysis

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

Peak Number 48 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.615	74.83 ug/L	9945500	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	72
2	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
4	Hexadecane	226	C16H34	000544-76-3	49
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

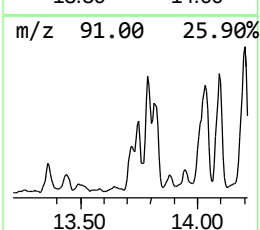
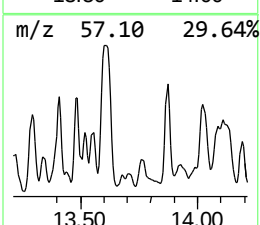
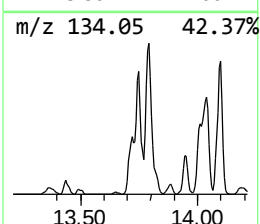
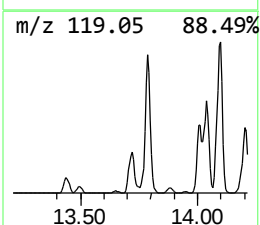
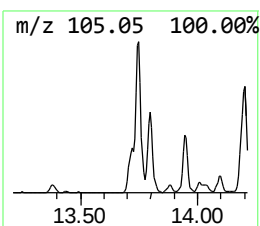
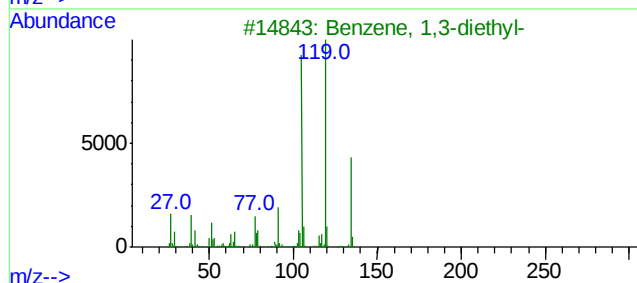
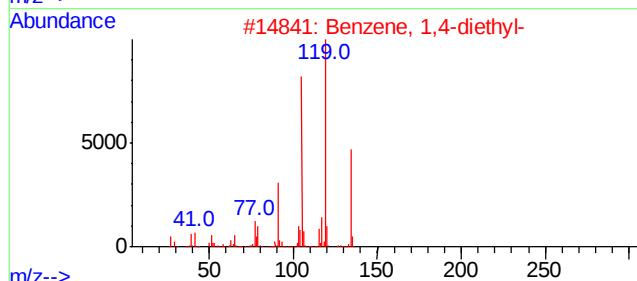
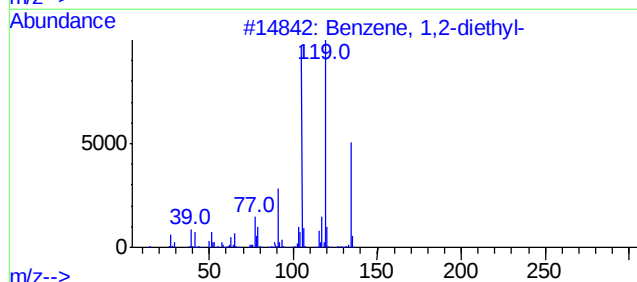
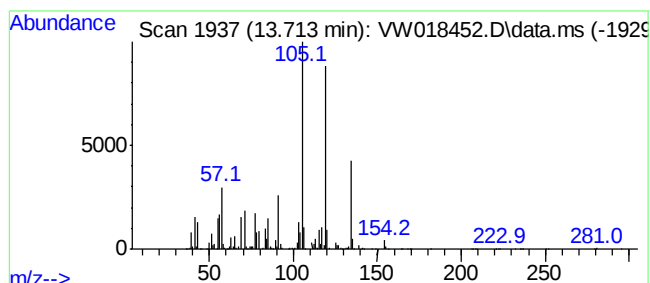
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Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1,2-diethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.713	18.55 ug/L	2465340	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

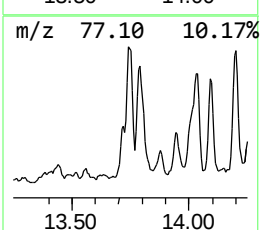
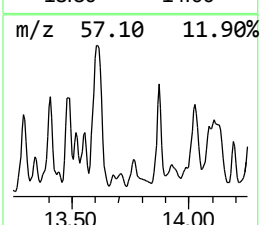
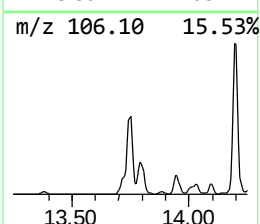
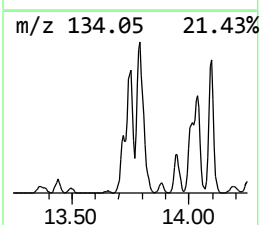
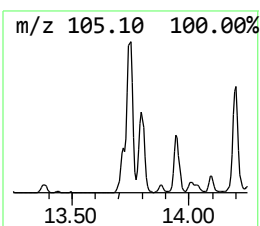
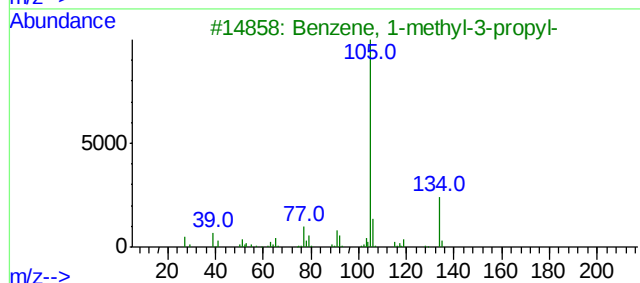
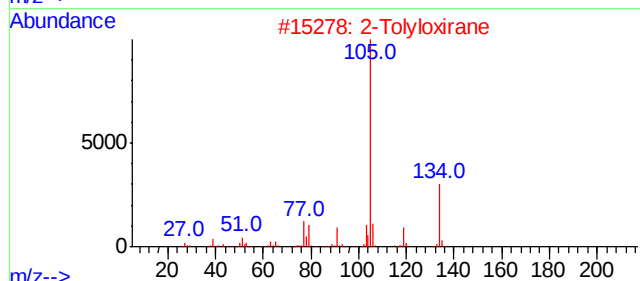
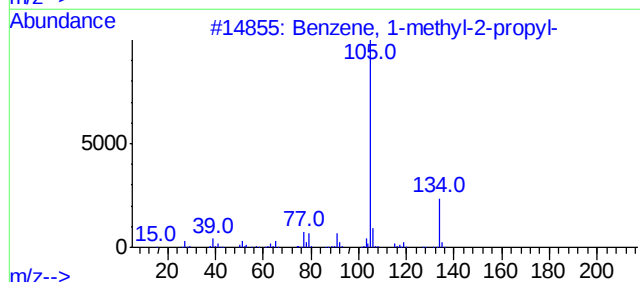
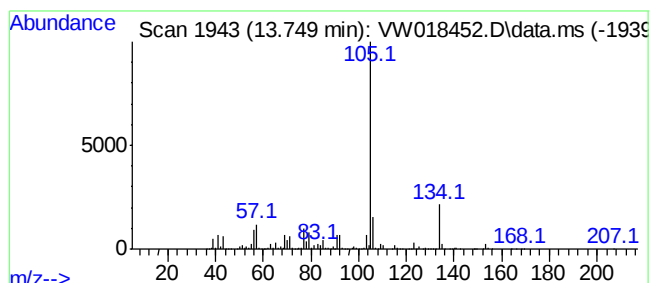
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Quant Title : VOC Analysis

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

Peak Number 50 Benzene, 1-methyl-2-propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.749	23.28 ug/L	3094280	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	70
2		2-Tolyloxirane	134	C9H10O	002783-26-8	64
3		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	62
4		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	62
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

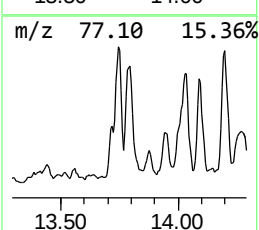
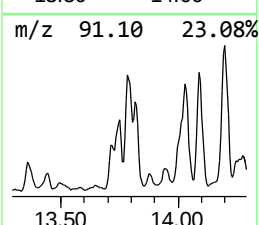
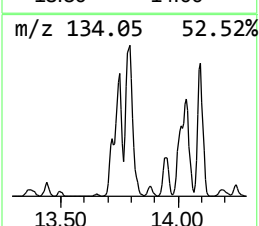
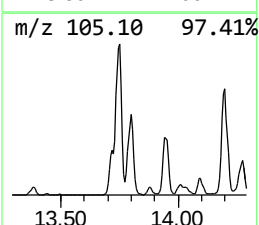
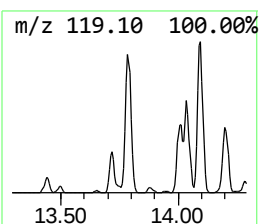
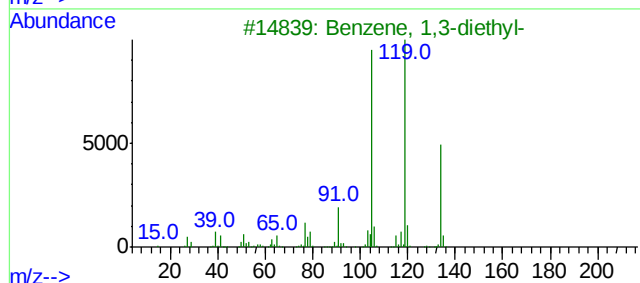
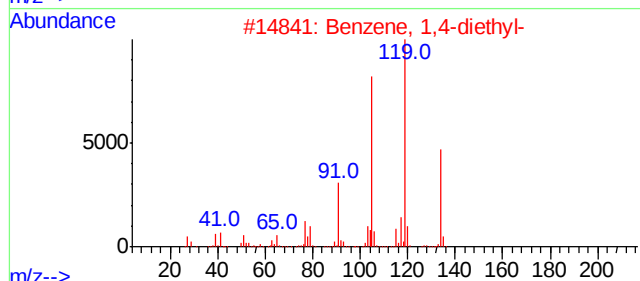
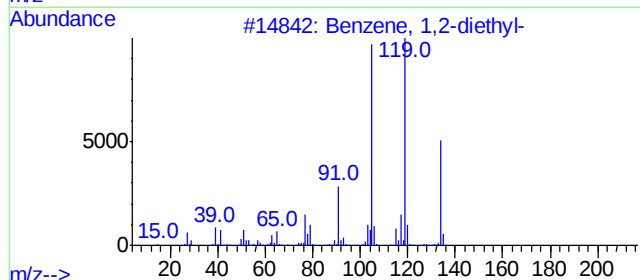
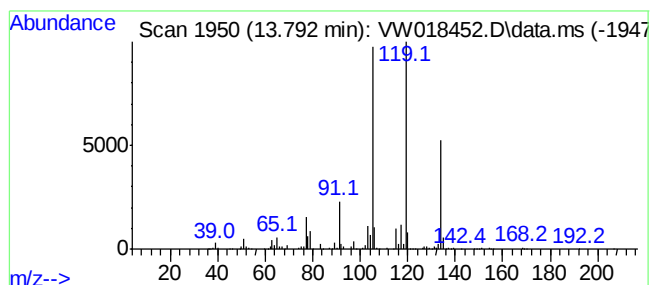
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Quant Title : VOC Analysis

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

Peak Number 51 Benzene, 1,4-diethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	18.89 ug/L	2510150	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

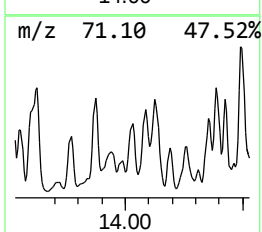
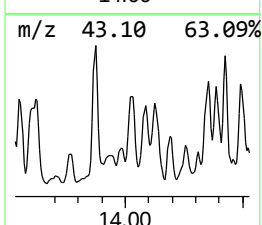
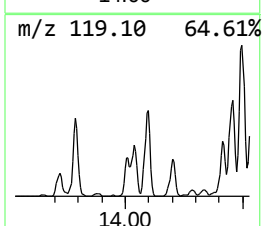
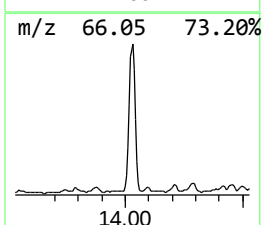
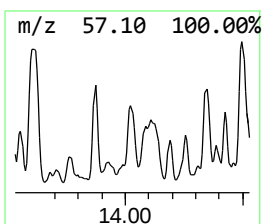
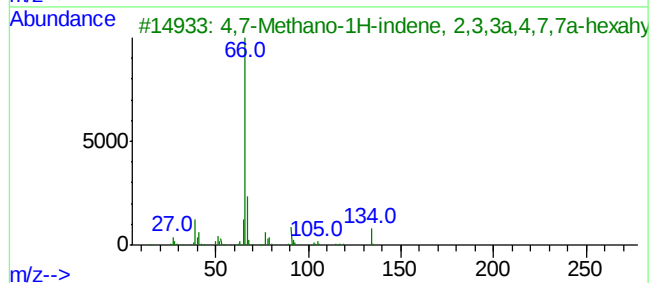
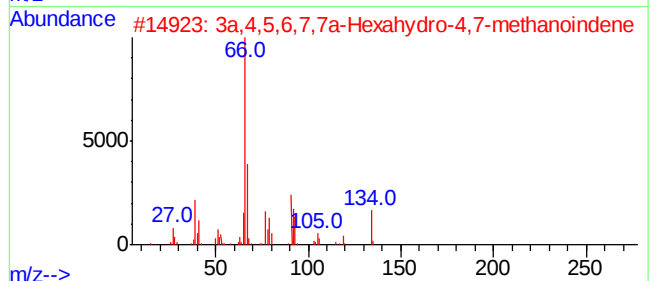
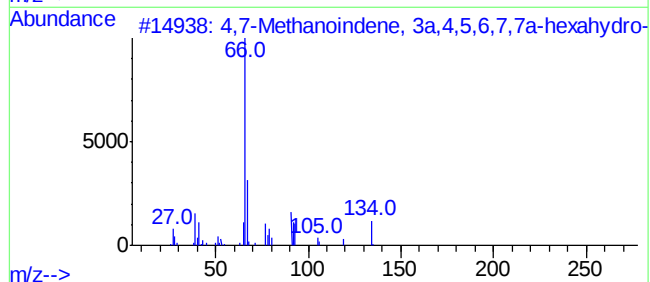
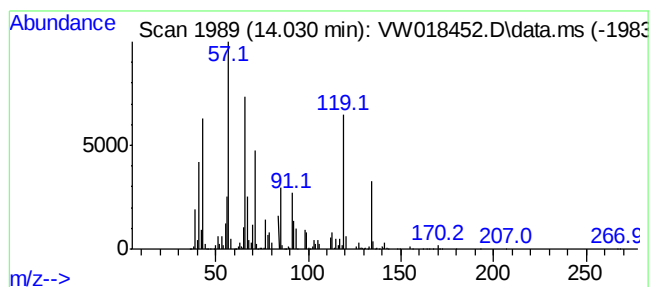
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Quant Title : VOC Analysis

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

Peak Number 52 4,7-Methanoindene, 3a,4,5,6... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.030	47.76 ug/L	6348150	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,7-Methanoindene, 3a,4,5,6,7,7a...	134	C10H14		002825-86-7	58
2	3a,4,5,6,7,7a-Hexahydro-4,7-meth...	134	C10H14		004488-57-7	53
3	4,7-Methano-1H-indene, 2,3,3a,4,...	134	C10H14		019398-83-5	53
4	3a,4,5,6,7,7a-Hexahydro-4,7-meth...	134	C10H14		004488-57-7	53
5	2-Acetyl-5-norbornene	136	C9H12O		005063-03-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

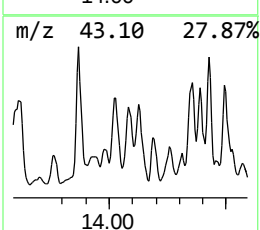
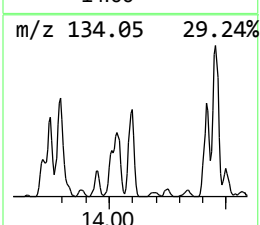
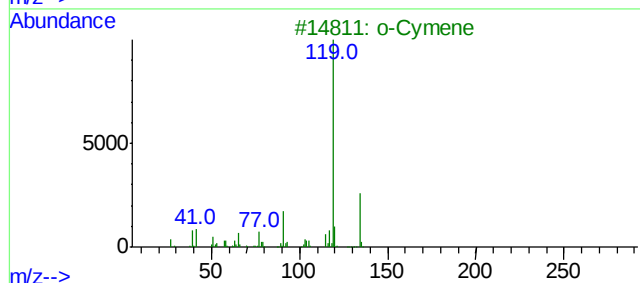
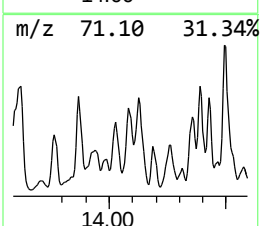
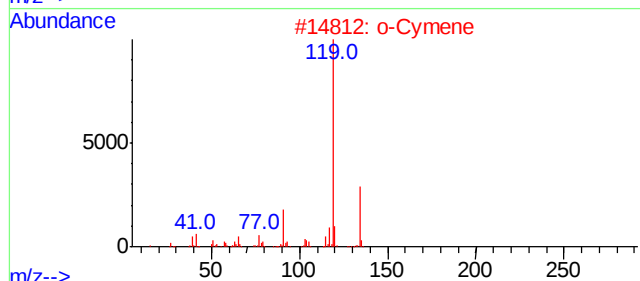
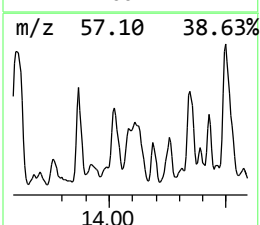
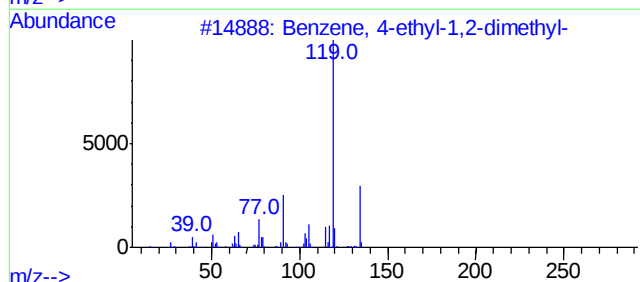
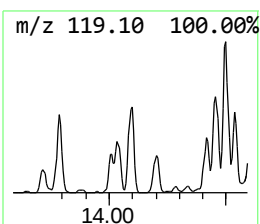
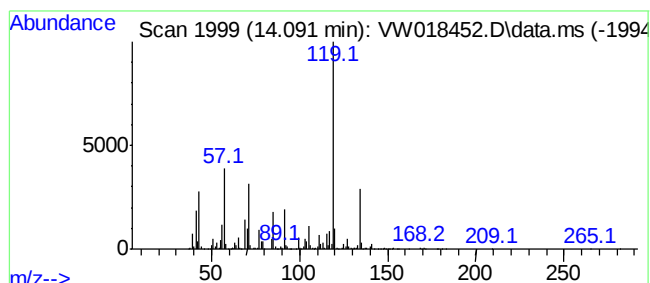
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Quant Title : VOC Analysis

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

Peak Number 53 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.091	45.33 ug/L	6024820	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

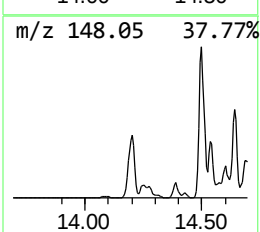
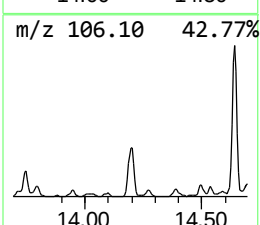
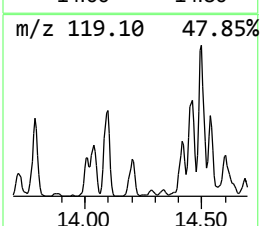
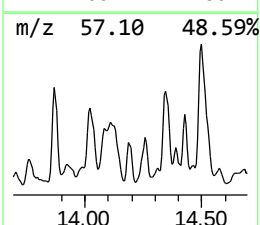
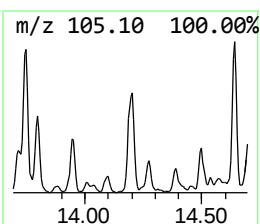
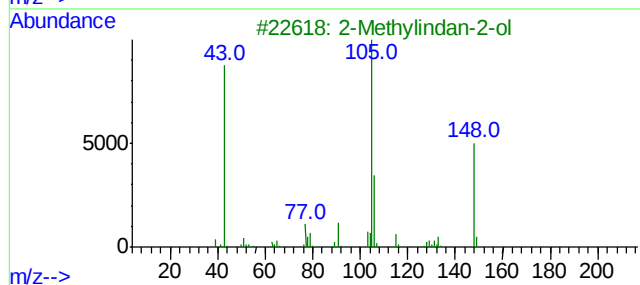
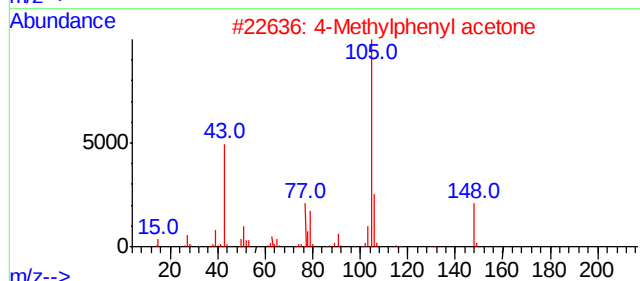
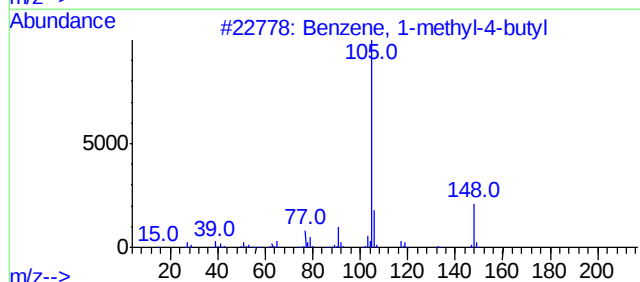
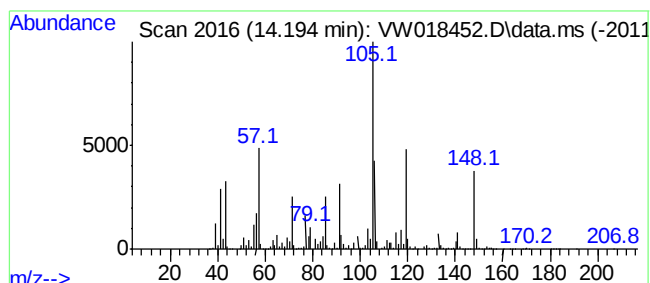
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Quant Title : VOC Analysis

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

Peak Number 54 unknown-04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.194	45.17 ug/L	6003600	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	41
2			4-Methylphenyl acetone	148	C10H12O	002096-86-8	30
3			2-Methylindan-2-ol	148	C10H12O	033223-84-6	30
4			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	27
5			Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	22



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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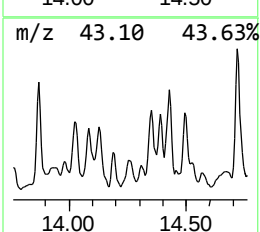
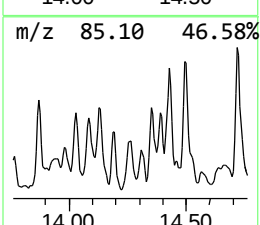
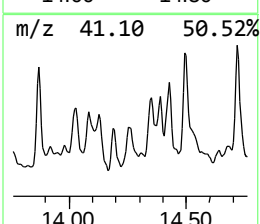
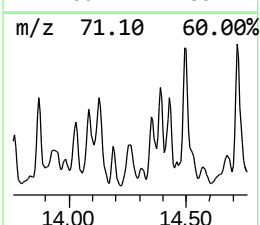
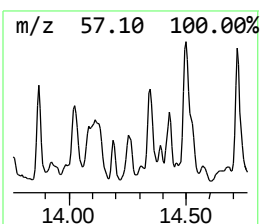
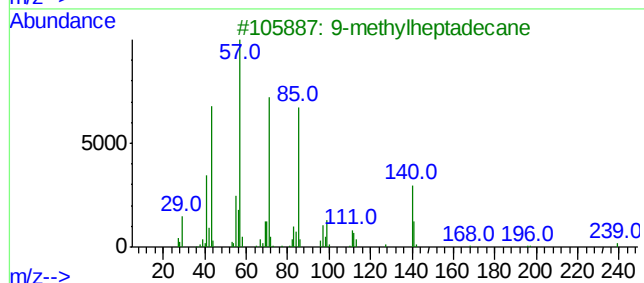
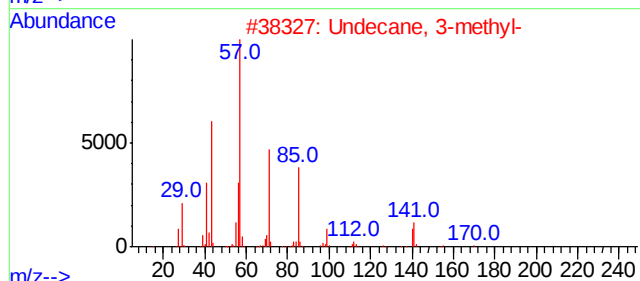
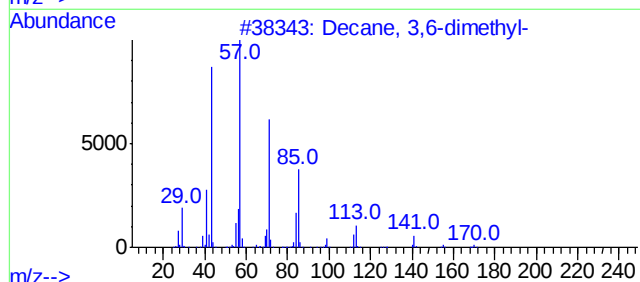
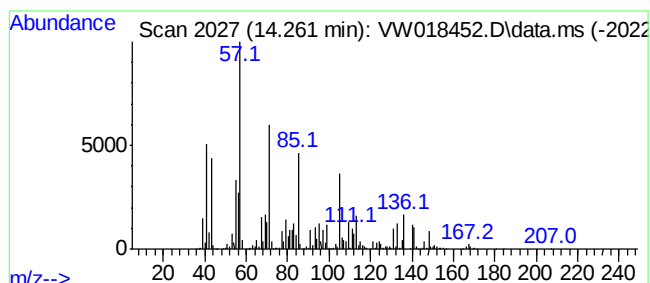
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Quant Title : VOC Analysis

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

Peak Number 55 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.261	35.01 ug/L	4652840	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
2	Undecane, 3-methyl-	170	C12H26	001002-43-3	58
3	9-methylheptadecane	254	C18H38	026741-18-4	52
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
5	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

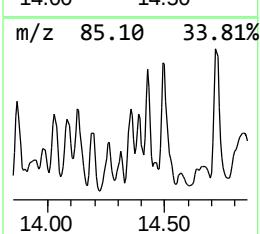
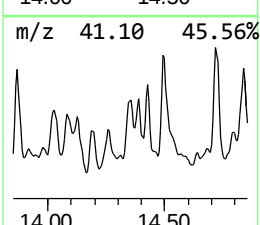
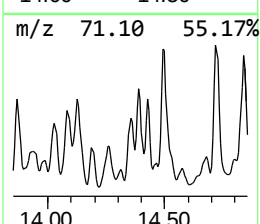
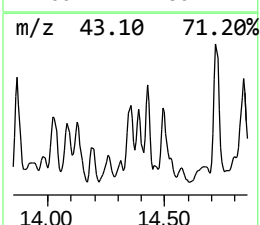
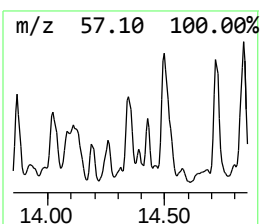
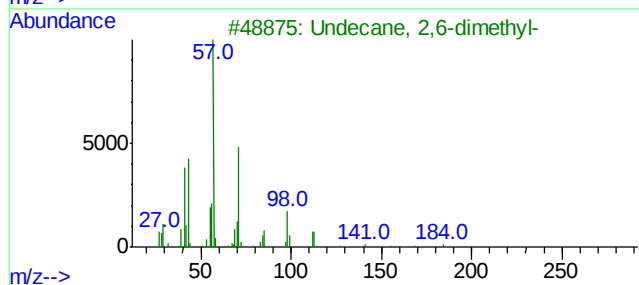
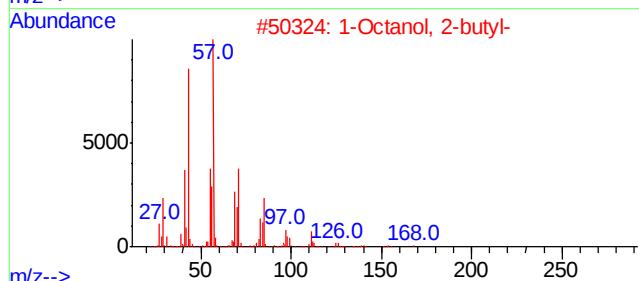
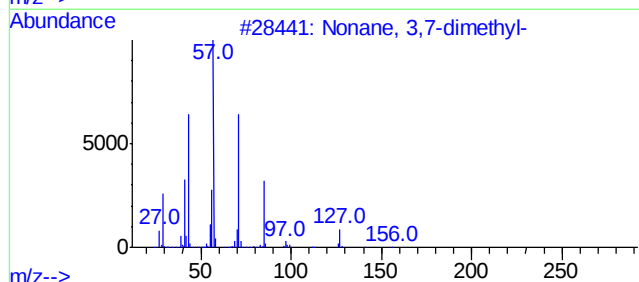
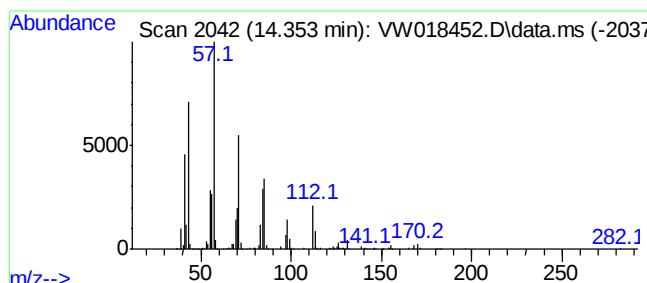
Instrument :
MSVOA_W
ClientSampleId :
BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 56 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.353	35.61 ug/L	4733180	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
2	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	50
4	1-Decene, 4-methyl-	154	C11H22	013151-29-6	49
5	2,6-Dimethyldecane	170	C12H26	013150-81-7	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

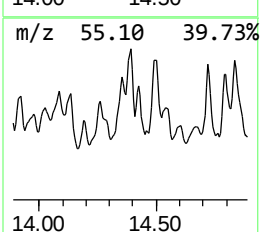
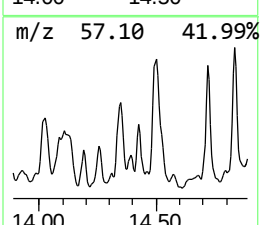
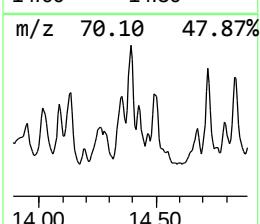
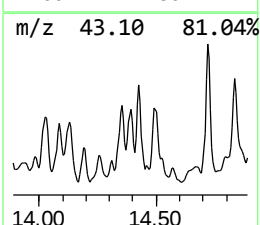
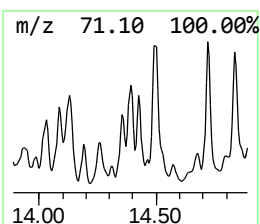
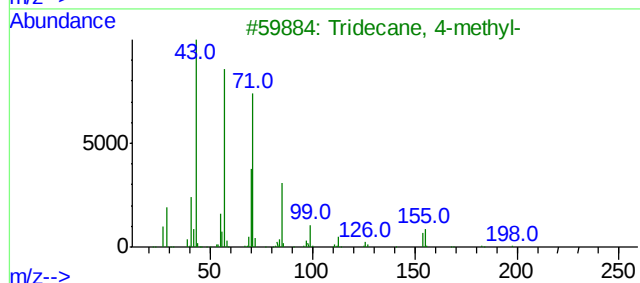
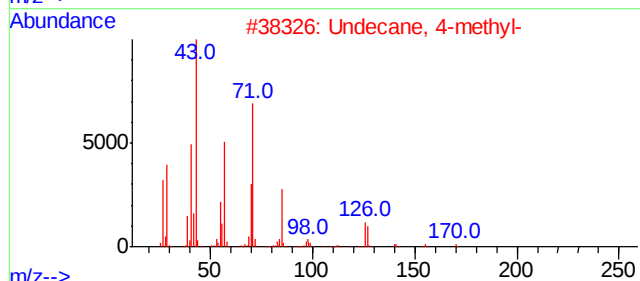
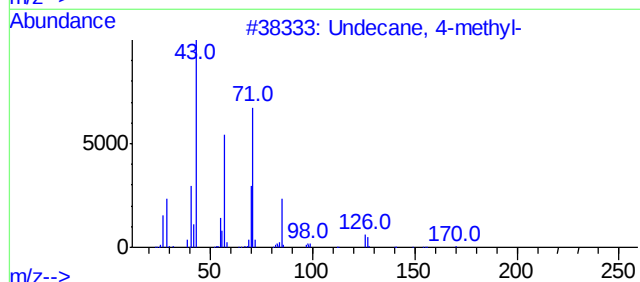
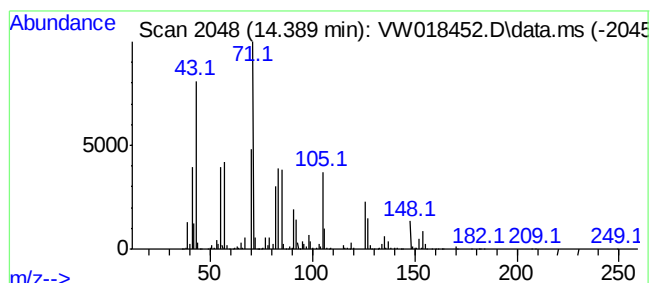
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Quant Title : VOC Analysis

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

Peak Number 57 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.389	19.71 ug/L	2620280	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	49
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	46
3	Tridecane, 4-methyl-	198	C14H30	026730-12-1	43
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

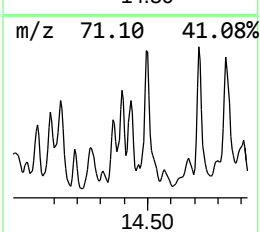
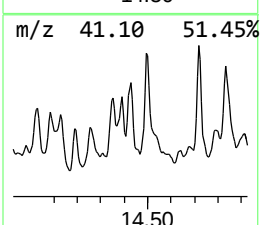
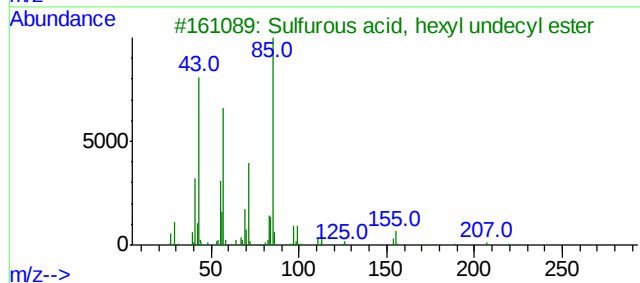
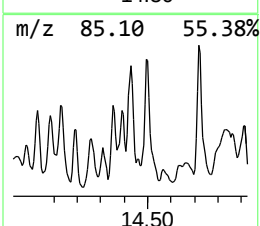
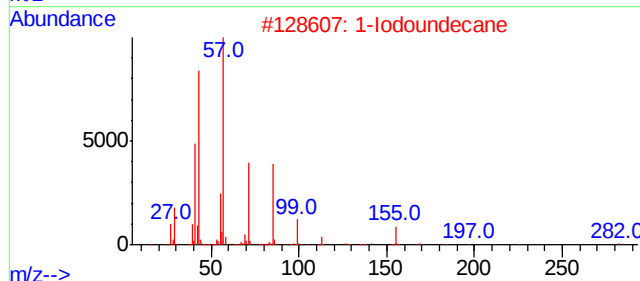
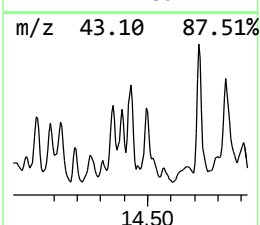
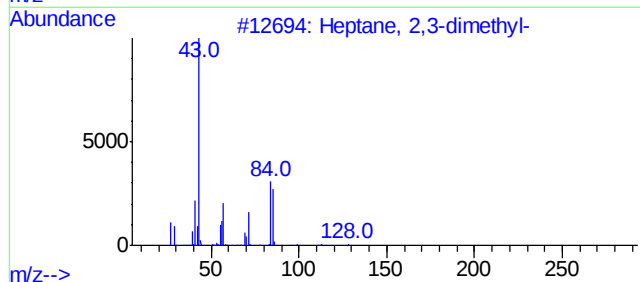
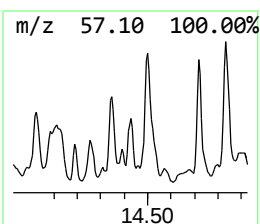
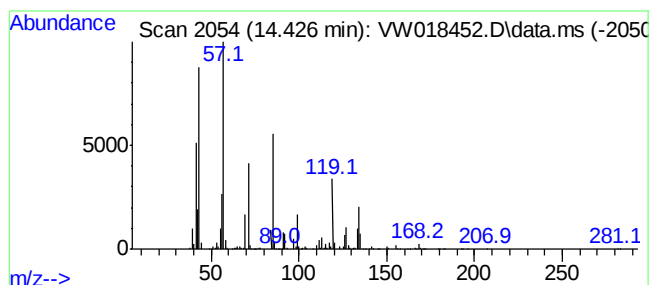
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Quant Title : VOC Analysis

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

Peak Number 58 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	24.77 ug/L	3291590	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	46
2	1-Iodoundecane	282	C11H23I	004282-44-4	43
3	Sulfurous acid, hexyl undecyl ester	320	C17H36O3S	1000309-13-3	43
4	Sulfurous acid, decyl hexyl ester	306	C16H34O3S	1000309-13-2	43
5	Decane	142	C10H22	000124-18-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

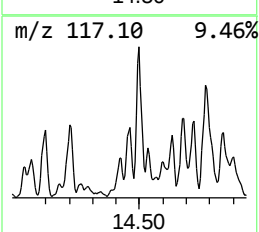
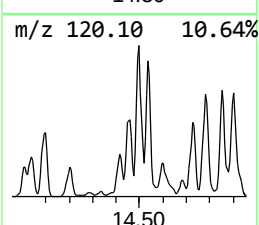
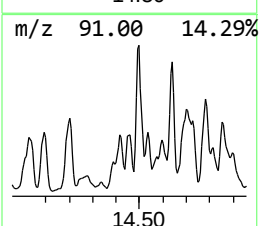
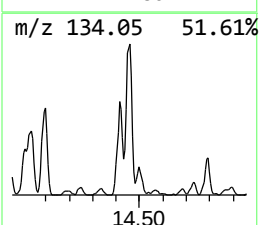
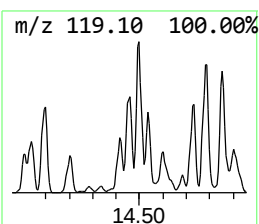
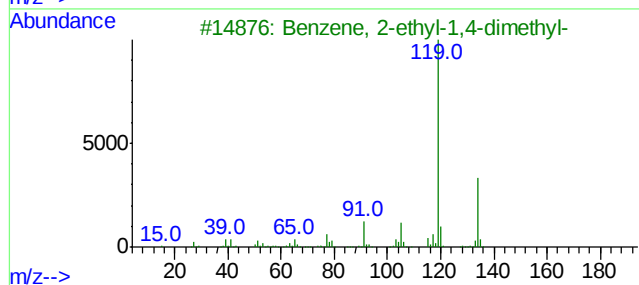
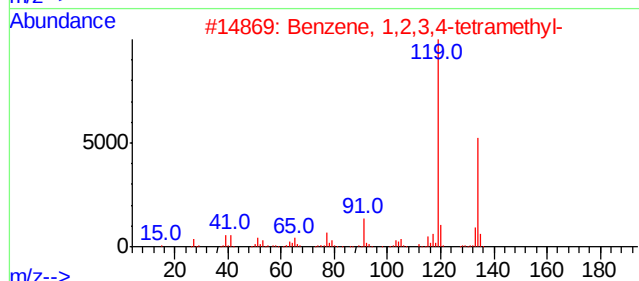
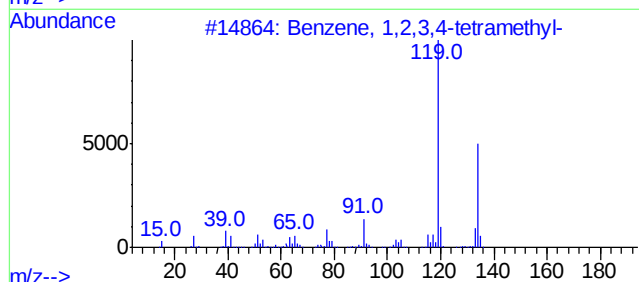
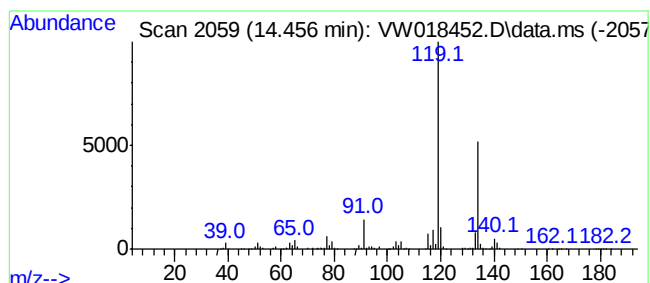
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	11.66 ug/L	1549230	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

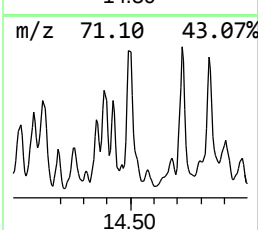
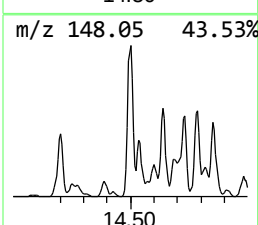
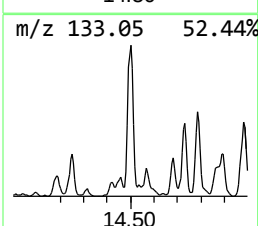
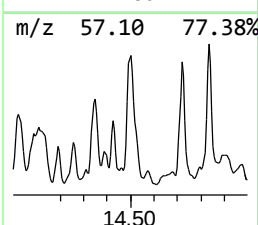
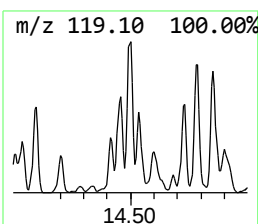
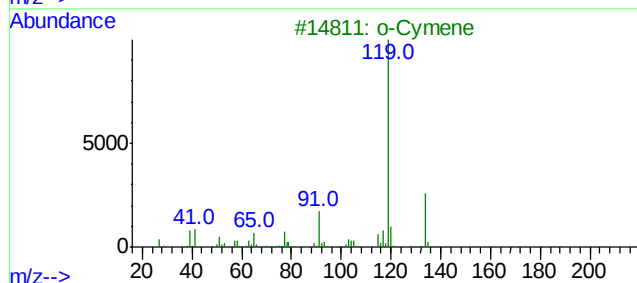
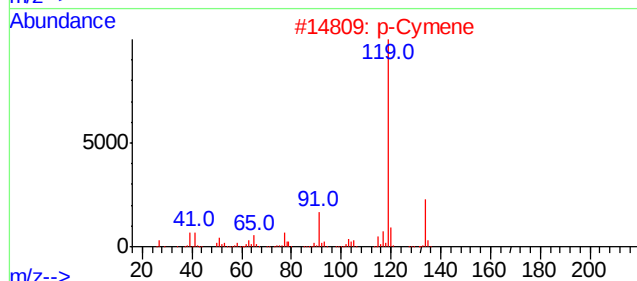
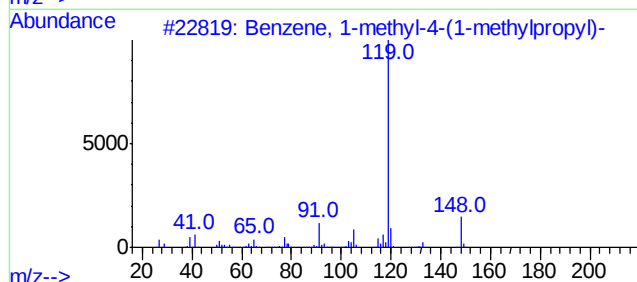
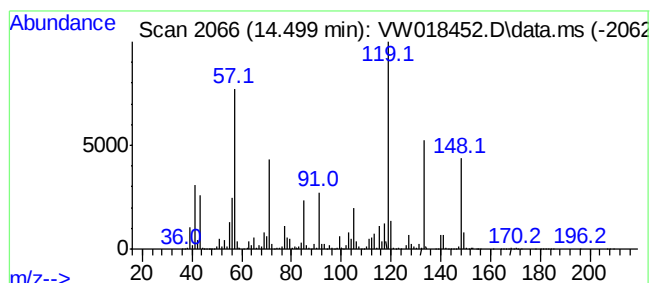
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Quant Title : VOC Analysis

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

Peak Number 60 unknown-05 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.499	93.75 ug/L	12461000	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
2			p-Cymene	134	C10H14	000099-87-6	35
3			o-Cymene	134	C10H14	000527-84-4	35
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	30
5			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

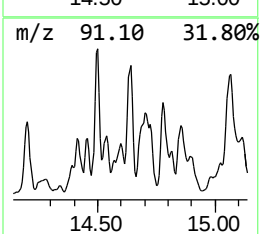
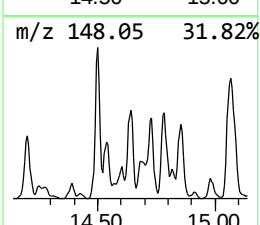
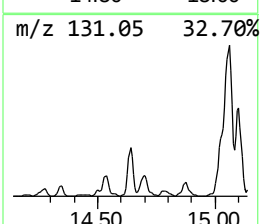
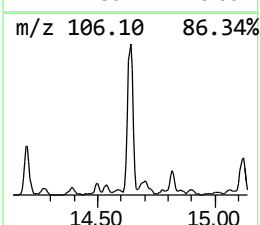
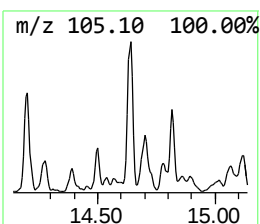
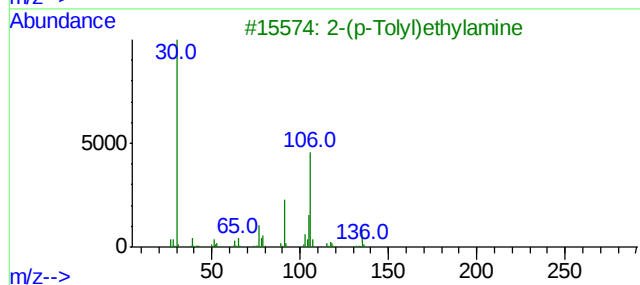
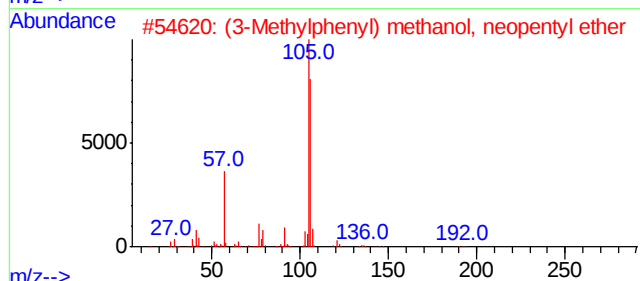
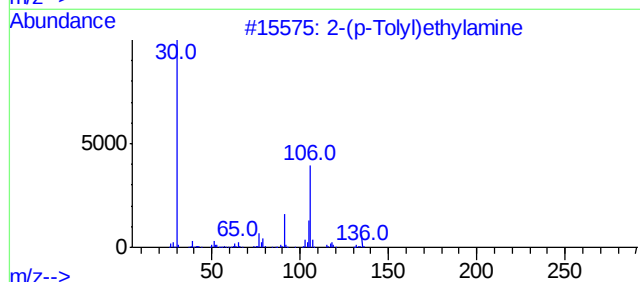
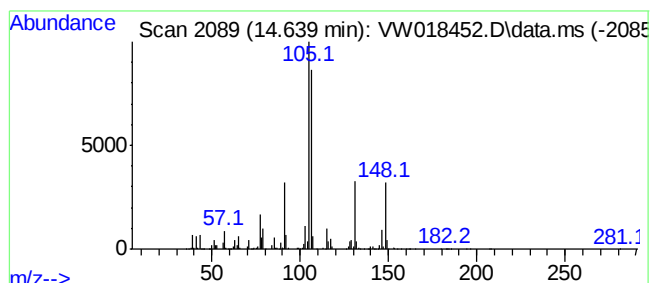
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Quant Title : VOC Analysis

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

Peak Number 61 2-(p-Tolyl)ethylamine Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.639	31.55 ug/L	4192710	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	50
2			(3-Methylphenyl) methanol, neope...	192	C13H20O	1000374-44-1	47
3			2-(p-Tolyl)ethylamine	135	C9H13N	003261-62-9	47
4			Benzenamine, N-butyl-	149	C10H15N	001126-78-9	38
5			Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

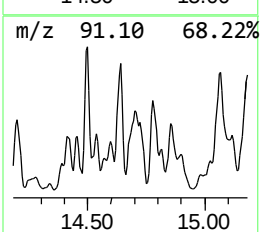
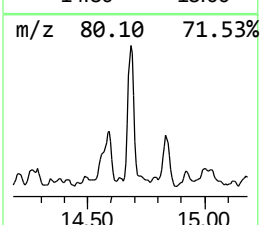
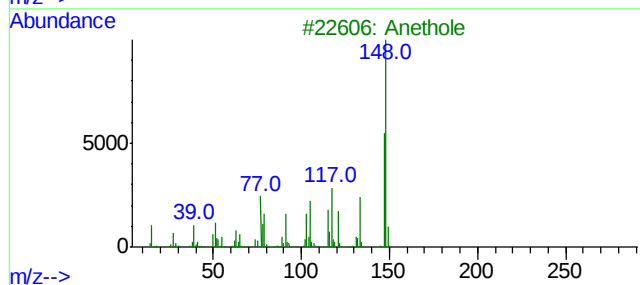
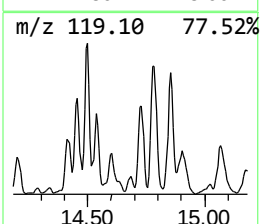
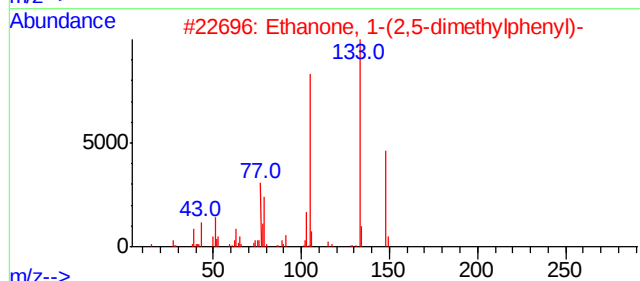
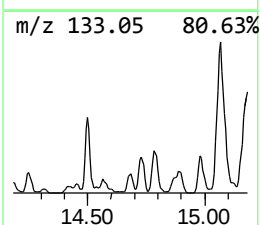
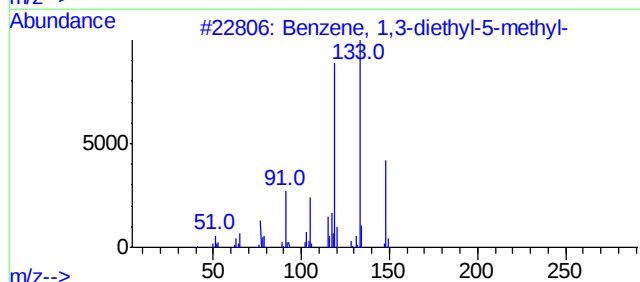
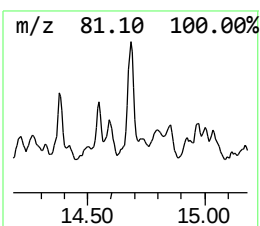
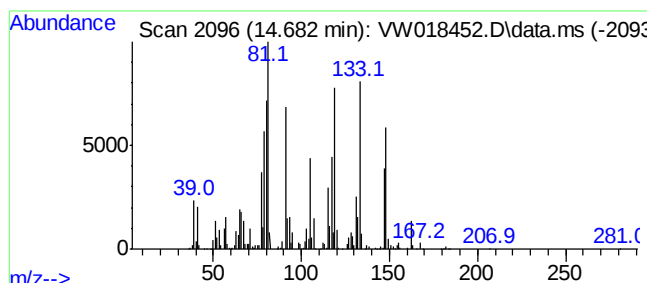
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 62 unknown-06

Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.682	17.83 ug/L	2369470	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46
2			Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	35
3			Anethole	148	C10H12O	000104-46-1	35
4			Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	35
5			Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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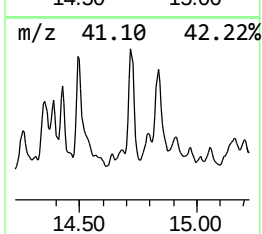
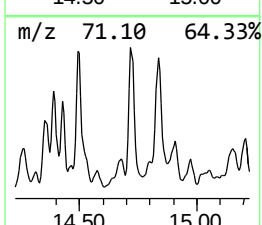
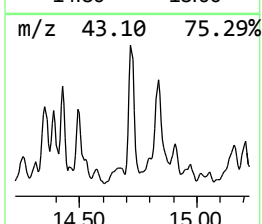
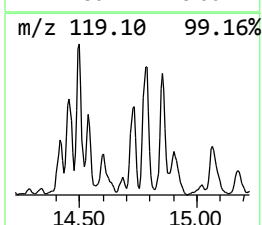
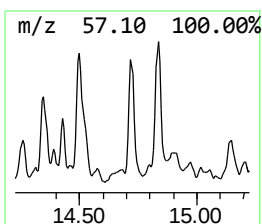
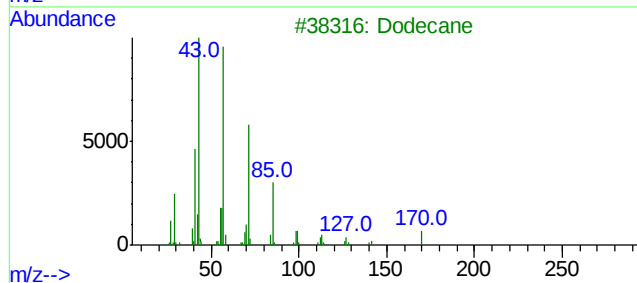
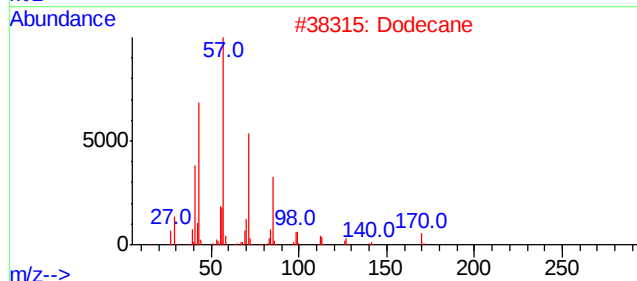
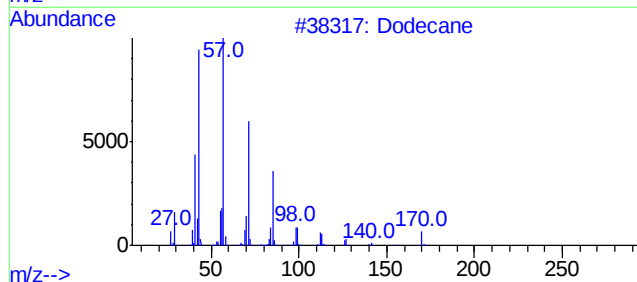
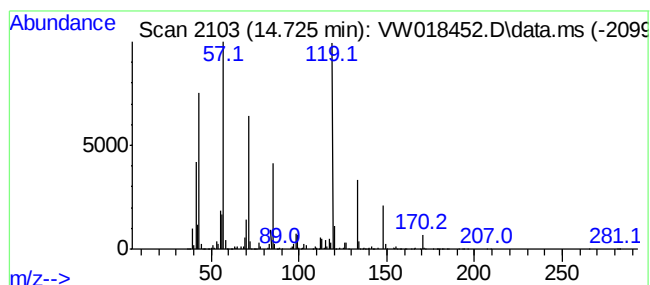
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Quant Title : VOC Analysis

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

Peak Number 63 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.725	72.91 ug/L	9690360	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane		170	C12H26	000112-40-3	94
2	Dodecane		170	C12H26	000112-40-3	94
3	Dodecane		170	C12H26	000112-40-3	74
4	Dodecane		170	C12H26	000112-40-3	60
5	Benzene, 1-methyl-4-(1-methylpro...		148	C11H16	001595-16-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

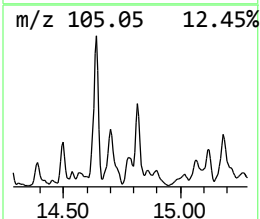
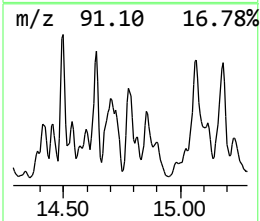
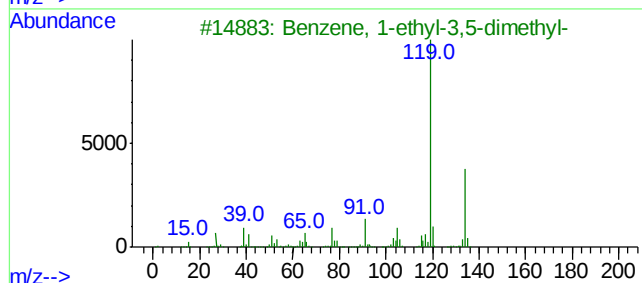
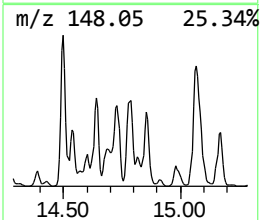
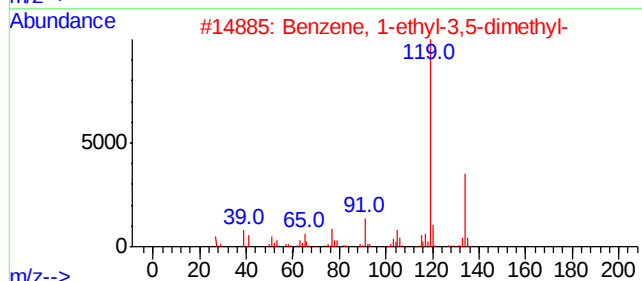
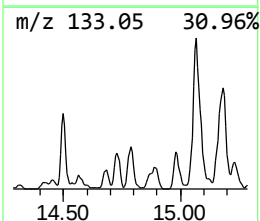
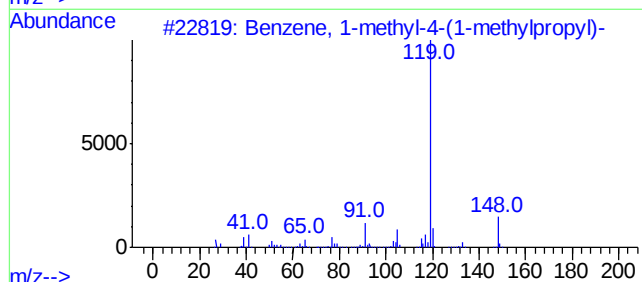
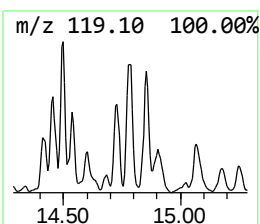
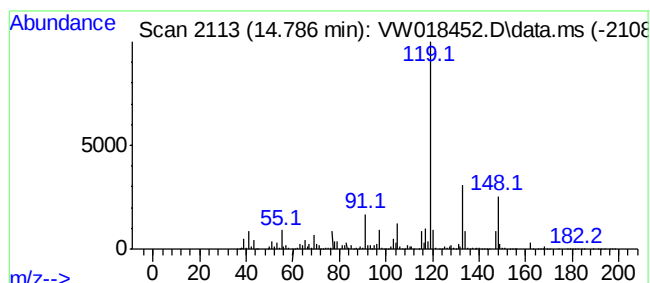
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Quant Title : VOC Analysis

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

Peak Number 64 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	59.85 ug/L	7954570	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

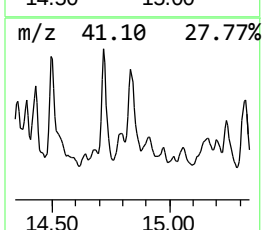
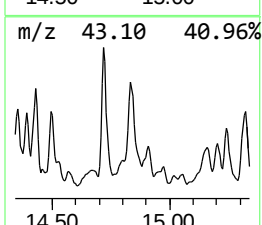
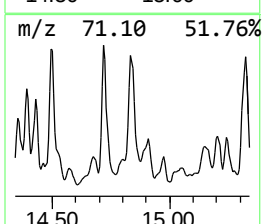
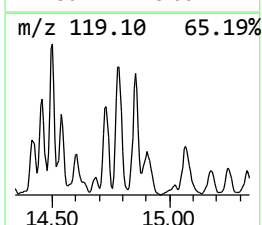
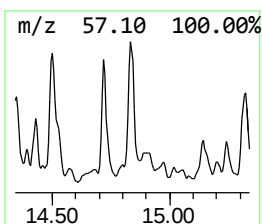
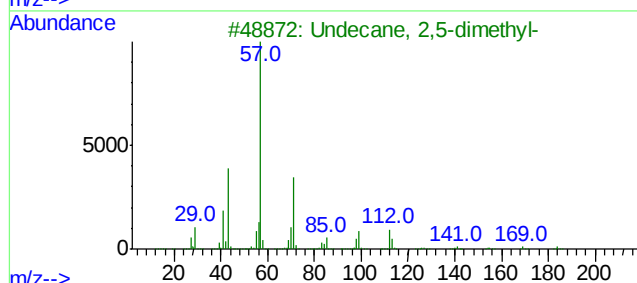
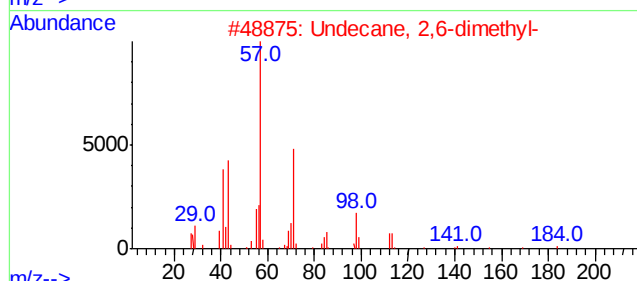
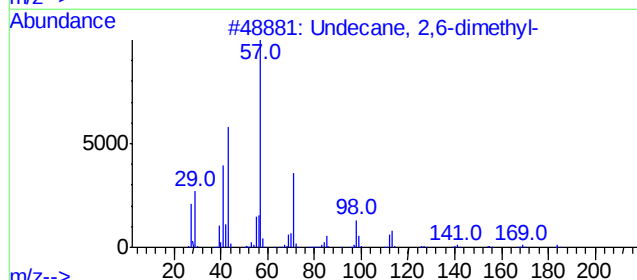
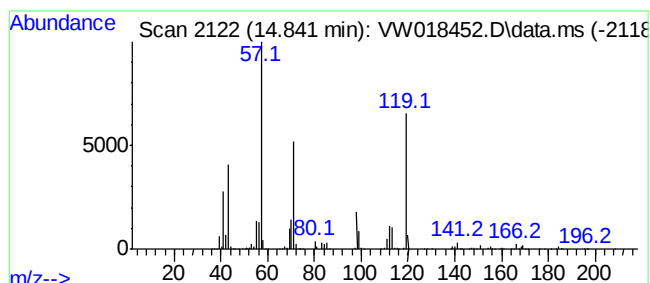
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ClientSampleId :
BG4C4

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Quant Title : VOC Analysis

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

Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.841	64.54 ug/L	8577570	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
3	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	50
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	49
5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

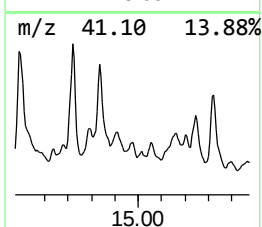
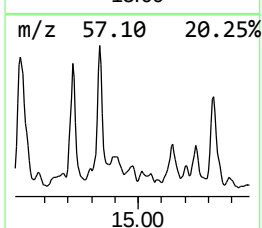
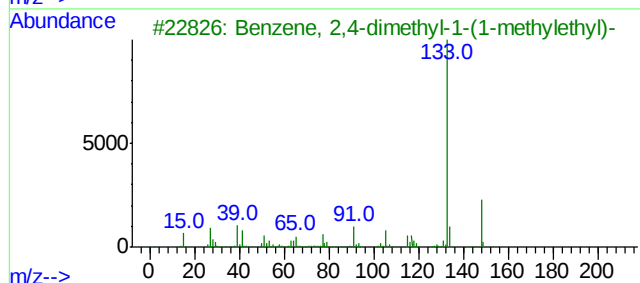
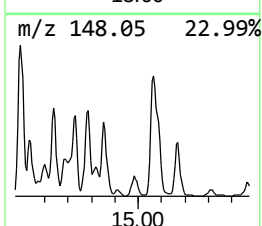
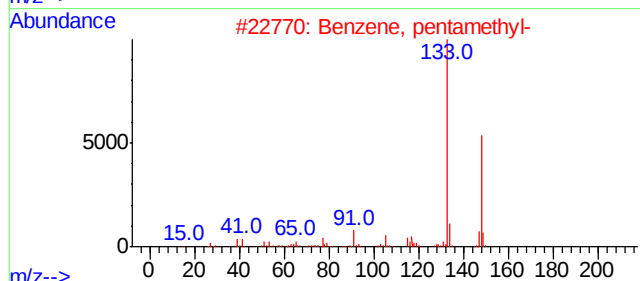
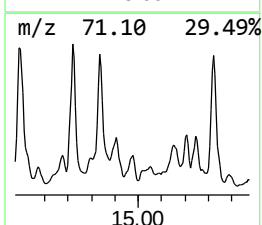
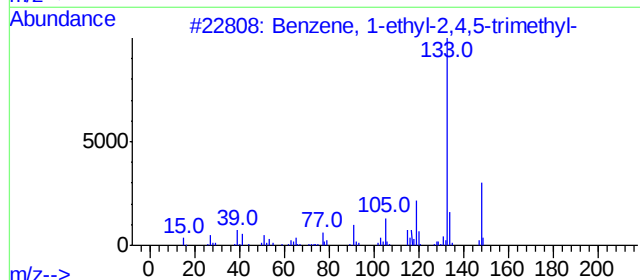
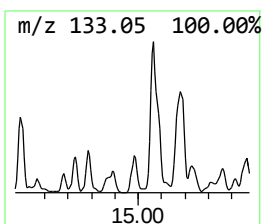
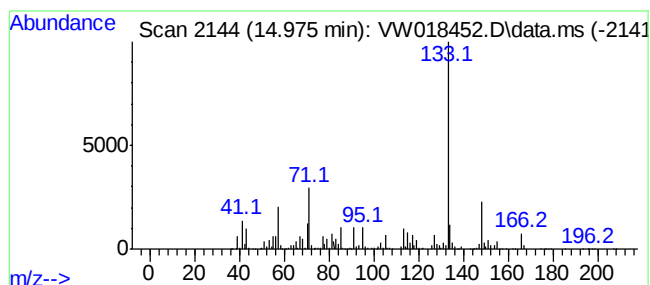
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Quant Title : VOC Analysis

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

Peak Number 66 Benzene, 1-ethyl-2,4,5-trim... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.975	9.38 ug/L	1246880	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	60
2	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
3	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	60
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	55
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

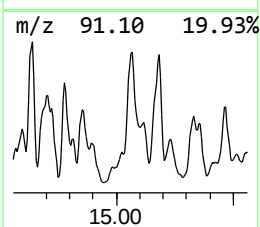
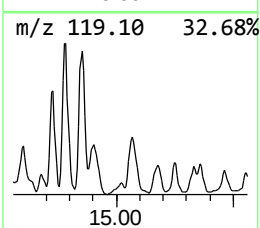
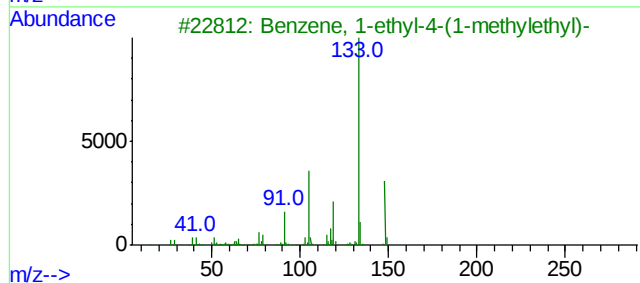
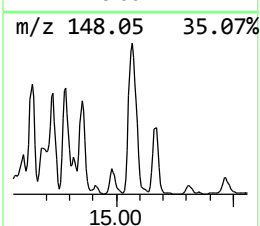
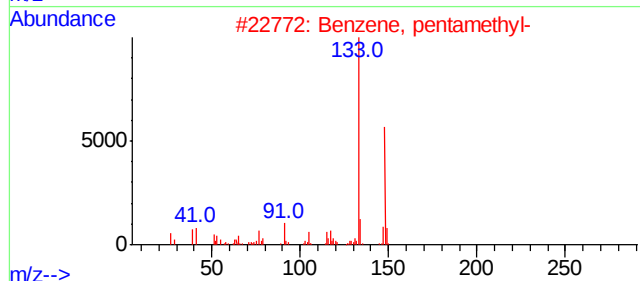
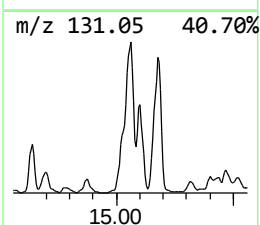
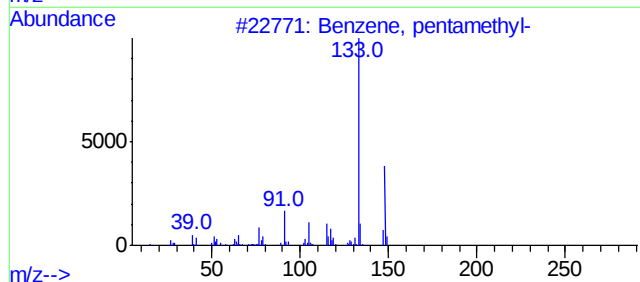
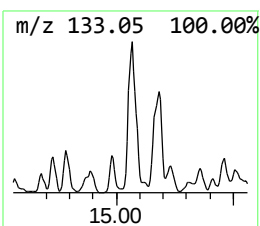
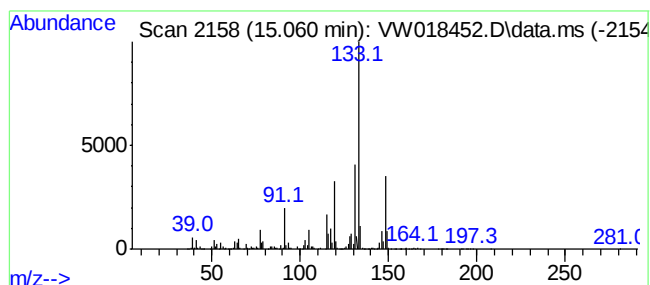
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Quant Title : VOC Analysis

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

Peak Number 67 Benzene, pentamethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.060	69.66 ug/L	9258110	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, pentamethyl-	148	C11H16	000700-12-9	64
2			Benzene, pentamethyl-	148	C11H16	000700-12-9	58
3			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
4			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	53
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

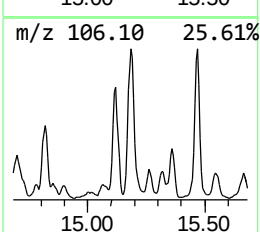
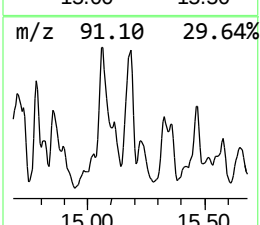
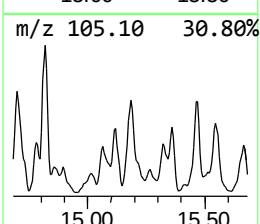
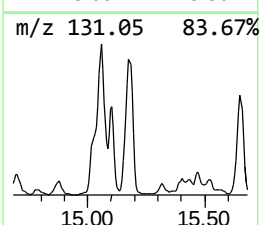
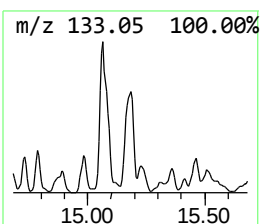
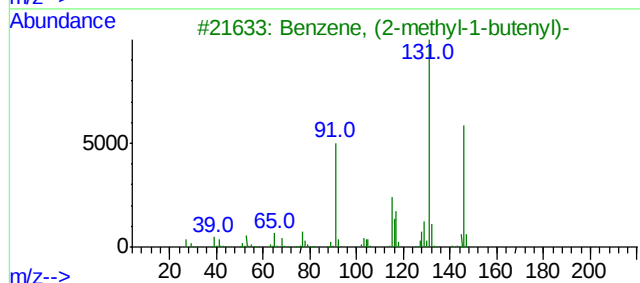
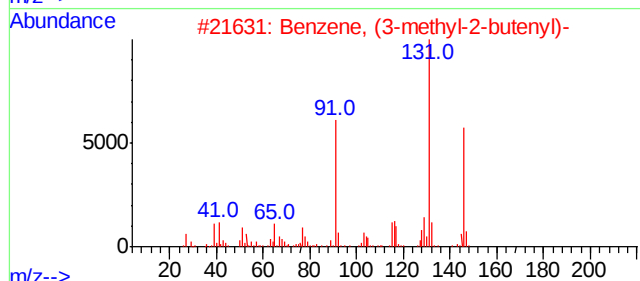
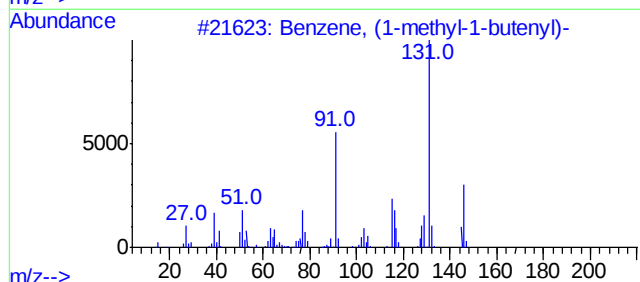
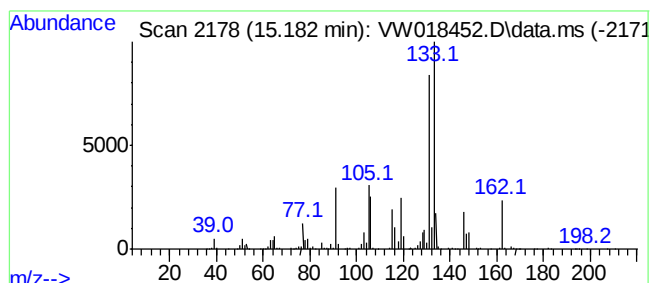
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Quant Title : VOC Analysis

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

Peak Number 68 Benzene, (1-methyl-1-butenyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.182	91.68 ug/L	12185400	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
4	Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	43
5	Benzene, (2-chloro-2-butenyl)-	166	C10H11Cl	054411-12-0	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

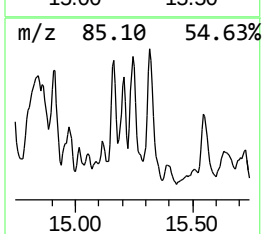
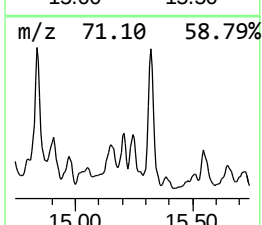
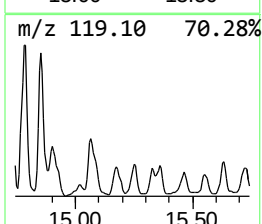
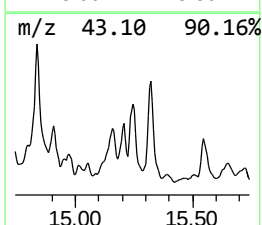
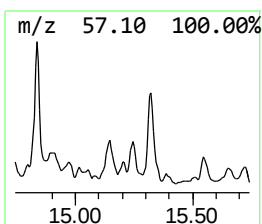
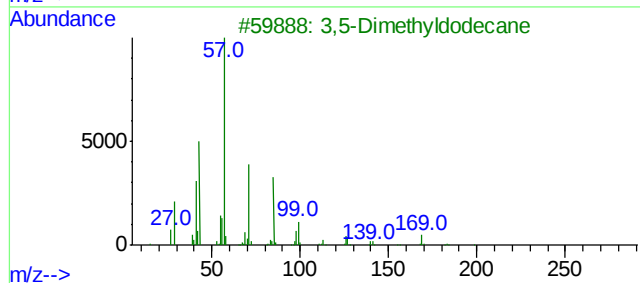
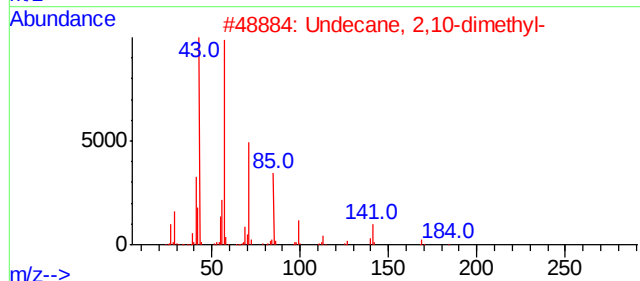
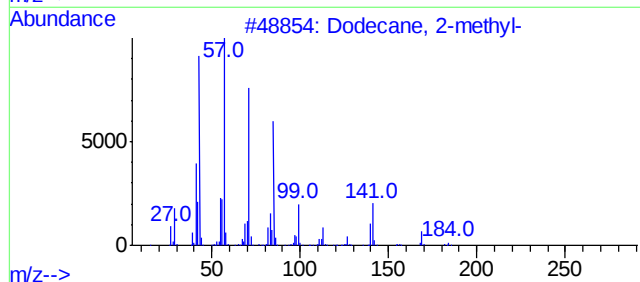
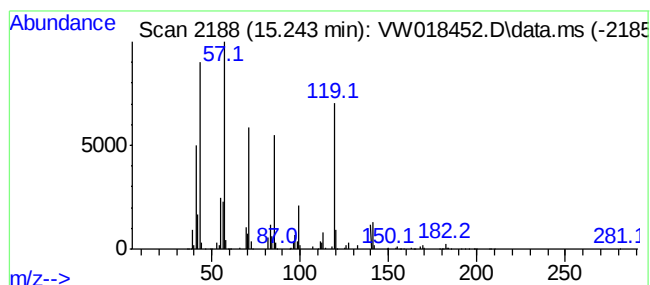
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Quant Title : VOC Analysis

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

Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.243	34.87 ug/L	4635090	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
2	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	70
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	64
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	62
5	Decane, 3-bromo-	220	C10H21Br	030571-71-2	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

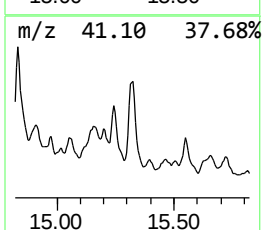
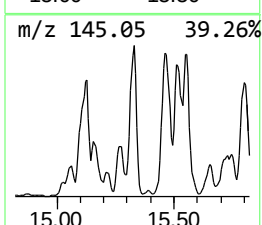
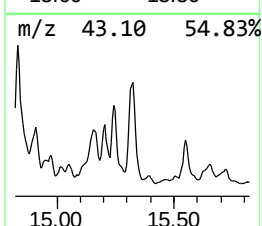
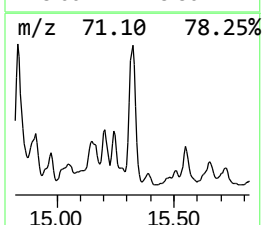
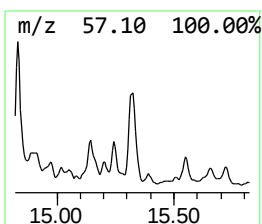
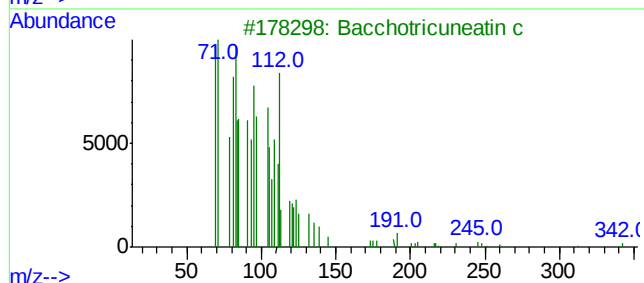
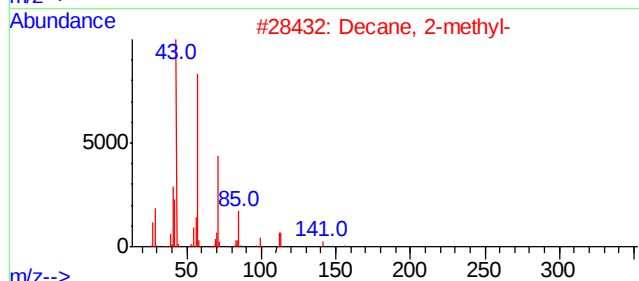
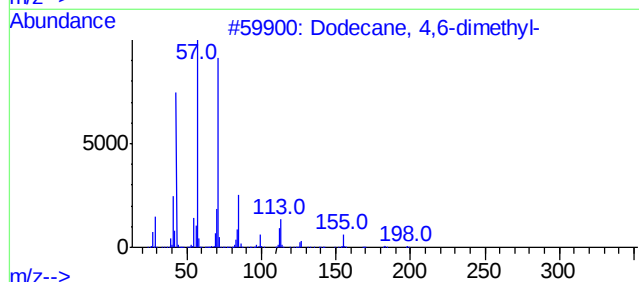
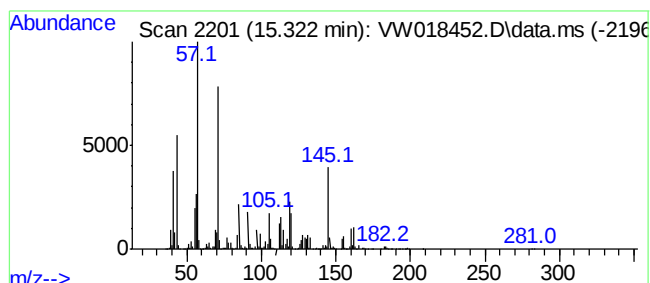
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Quant Title : VOC Analysis

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

Peak Number 70 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	79.38 ug/L	10550900	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	70
2	Decane, 2-methyl-	156	C11H24	006975-98-0	49
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	49
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	46
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

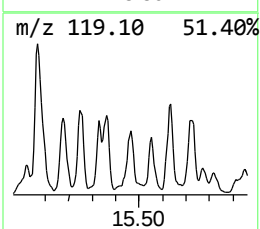
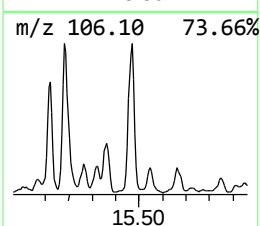
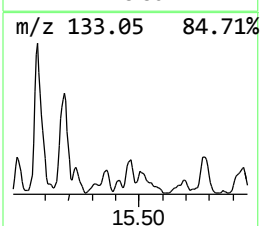
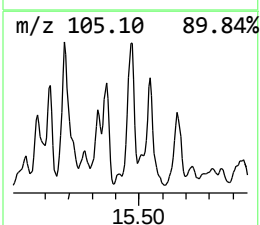
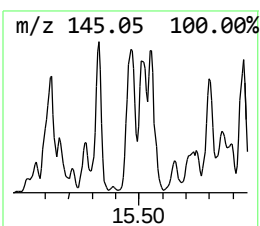
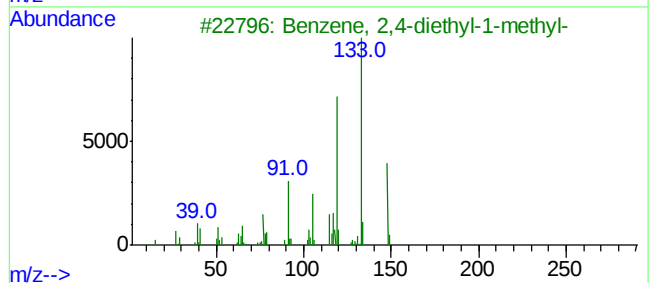
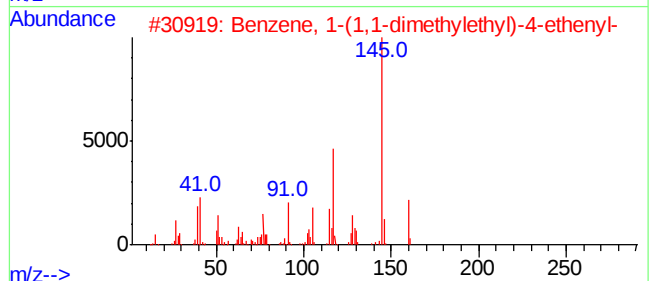
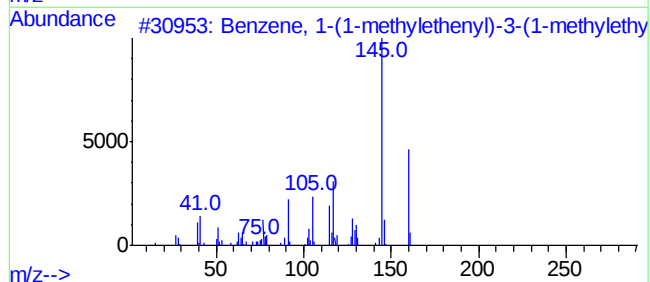
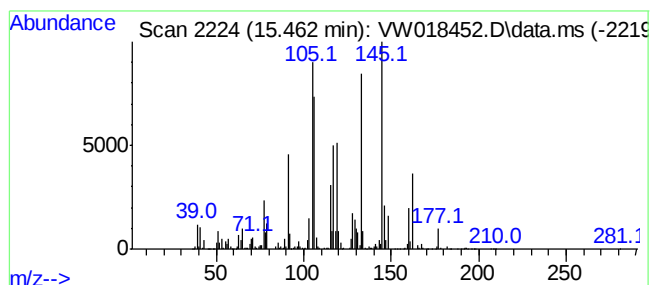
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 71 unknown-07

Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	37.78 ug/L	5021100	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	38
2			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	30
3			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	30
4			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	25
5			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	20



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

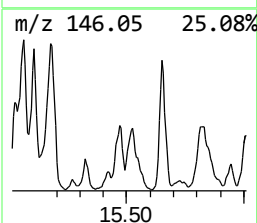
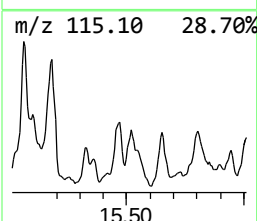
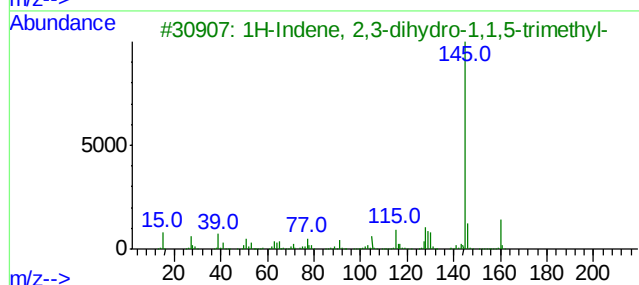
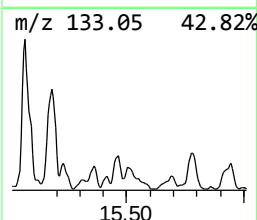
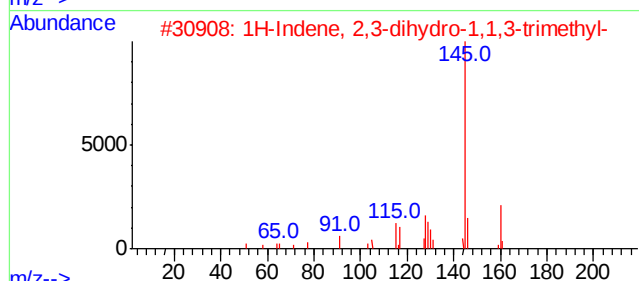
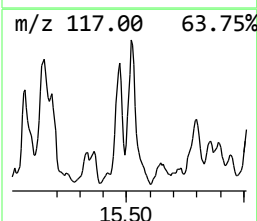
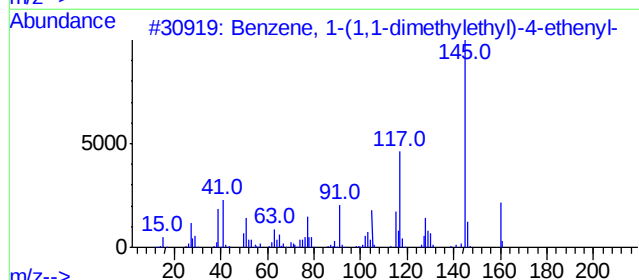
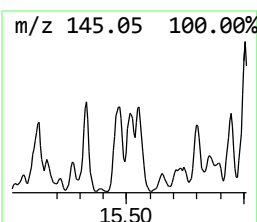
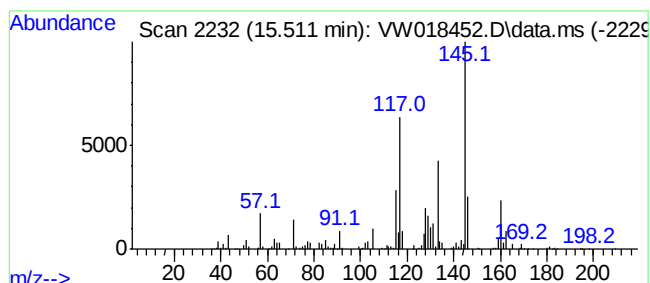
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Quant Title : VOC Analysis

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

Peak Number 72 Benzene, 1-(1,1-dimethyleth... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	18.11 ug/L	2406660	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	64
2			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	64
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	60
4			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	58
5			1H-Indene, 2,3-dihydro-1,1,4-tri...	160	C12H16	016204-72-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

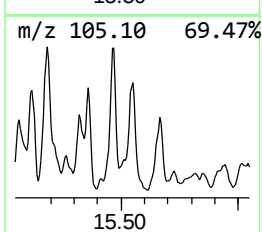
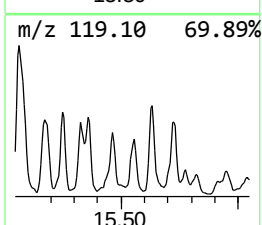
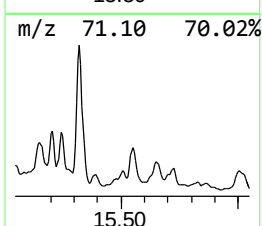
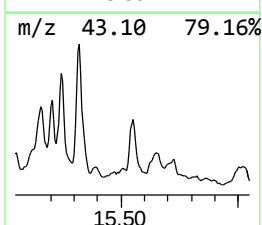
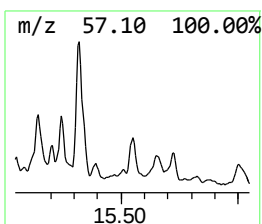
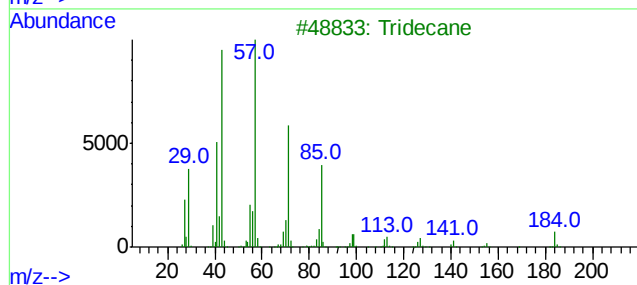
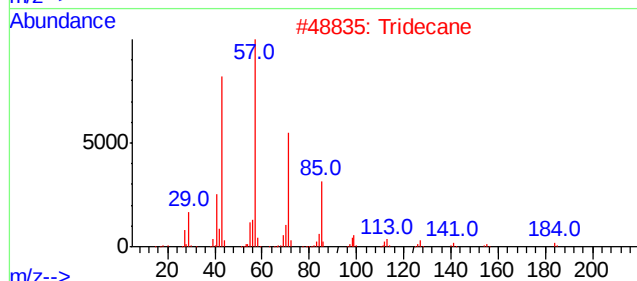
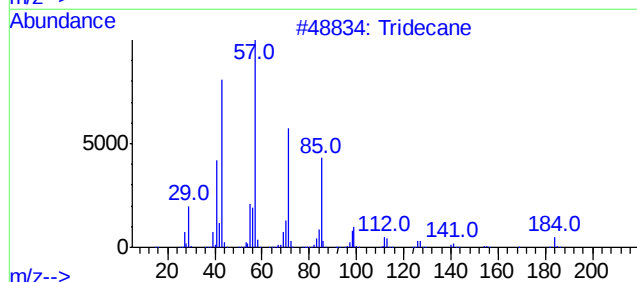
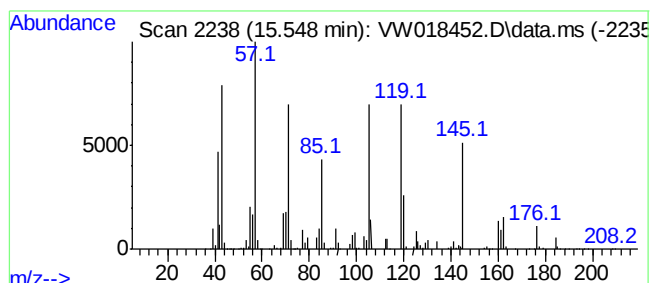
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Quant Title : VOC Analysis

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

Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.548	43.11 ug/L	5729470	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	92
2	Tridecane		184	C13H28	000629-50-5	52
3	Tridecane		184	C13H28	000629-50-5	52
4	Tridecane		184	C13H28	000629-50-5	38
5	Hexadecane		226	C16H34	000544-76-3	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

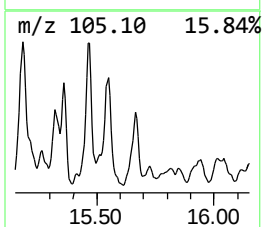
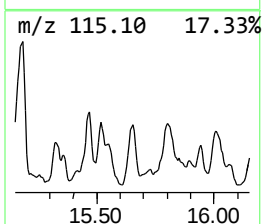
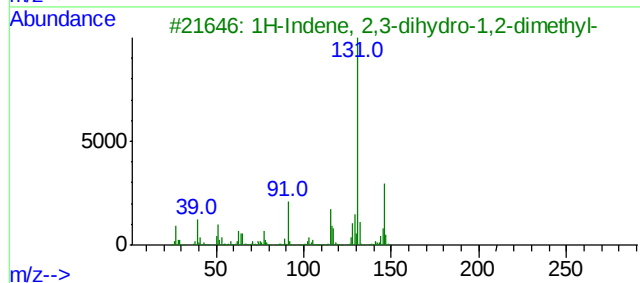
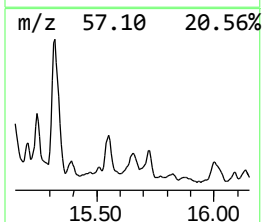
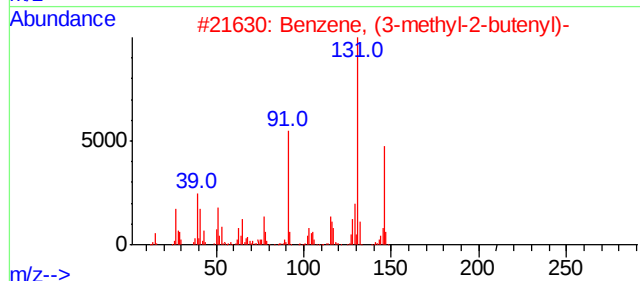
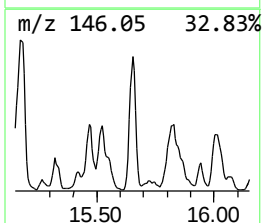
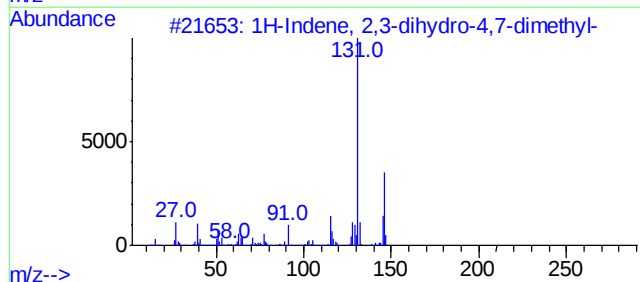
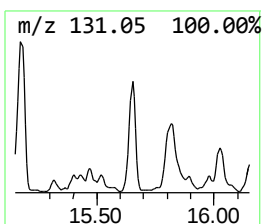
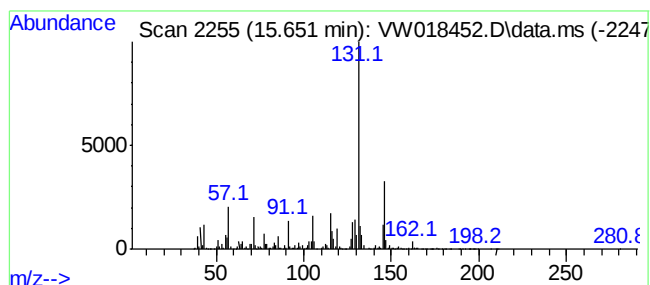
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Quant Title : VOC Analysis

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

Peak Number 74 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	50.83 ug/L	6755280	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14		006682-71-9	94
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14		004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14		017057-82-8	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14		000769-57-3	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14		017059-48-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

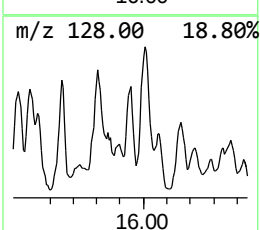
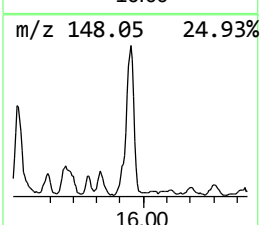
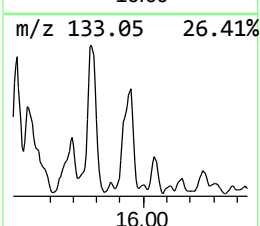
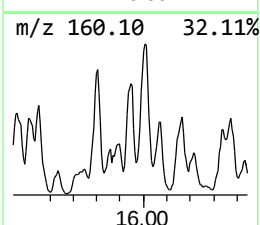
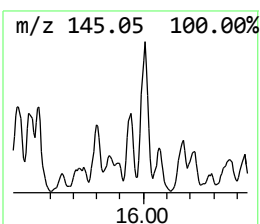
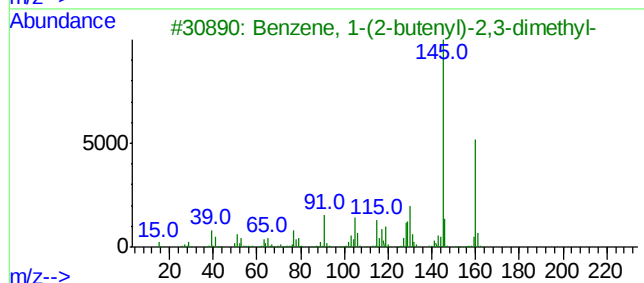
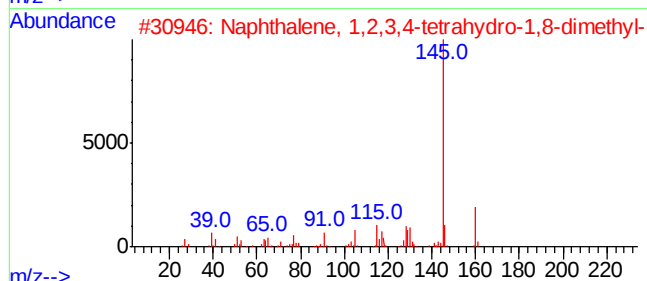
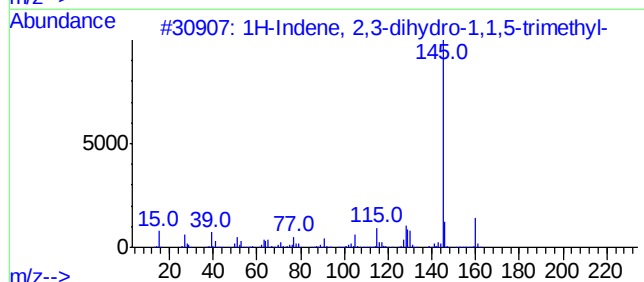
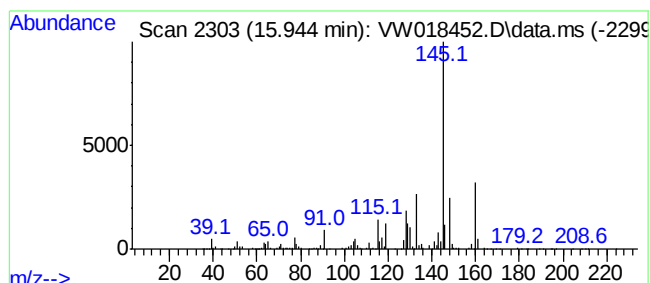
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Quant Title : VOC Analysis

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

Peak Number 75 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.944	15.51 ug/L	2061950	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16		040650-41-7	68
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16		025419-33-4	68
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16		054340-85-1	68
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16		002613-76-5	68
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16		054340-87-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

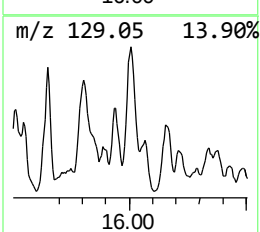
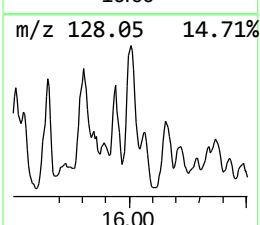
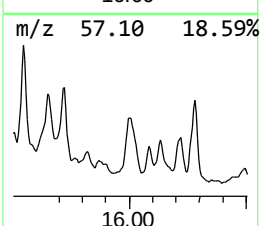
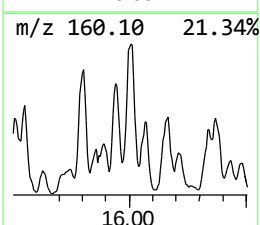
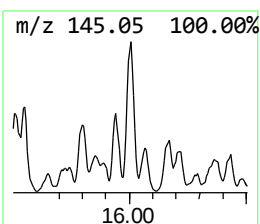
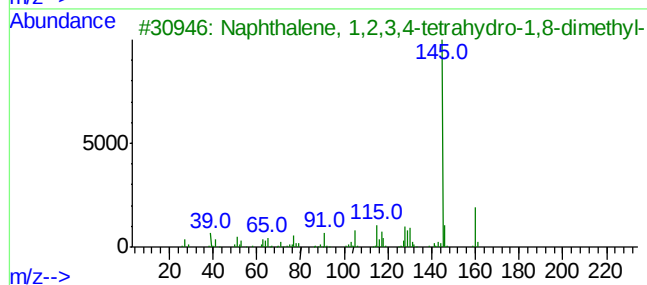
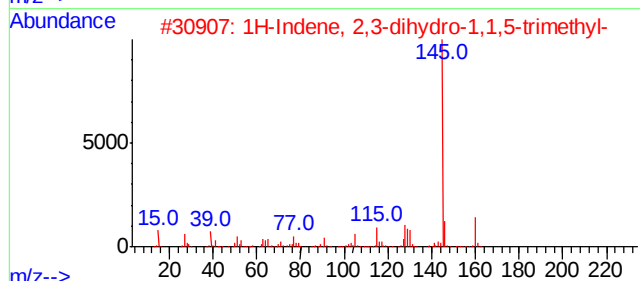
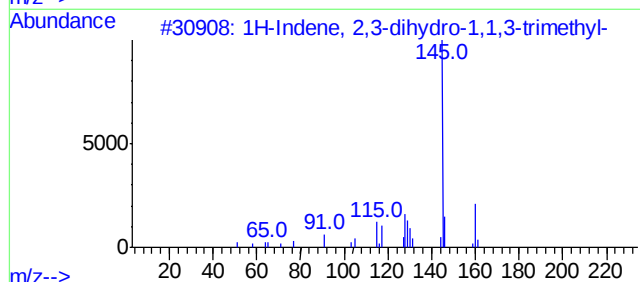
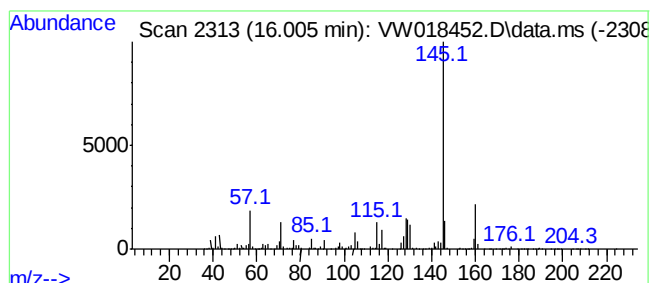
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Quant Title : VOC Analysis

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

Peak Number 76 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.005	32.81 ug/L	4360710	1,4-Dichlorobenzene-d4	13.554

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16		002613-76-5	94
2	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16		040650-41-7	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16		025419-33-4	93
4	1H-Indene, 2,3-dihydro-1,1,6-tri...	160	C12H16		014276-95-0	93
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16		025419-33-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

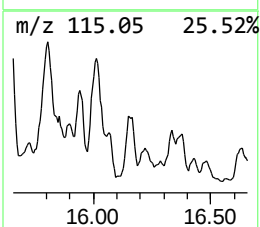
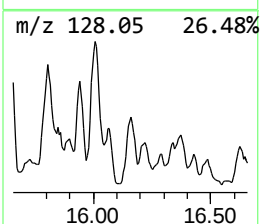
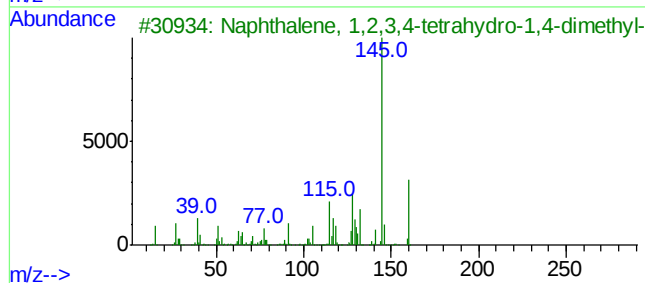
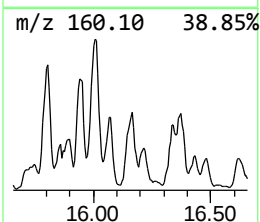
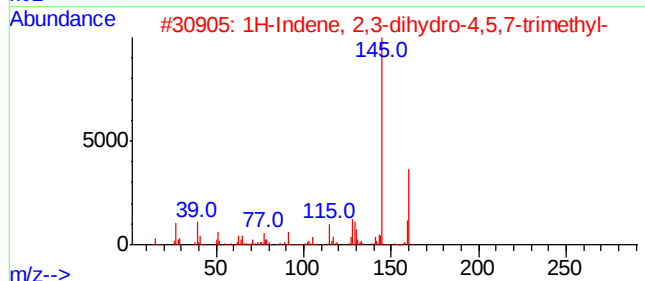
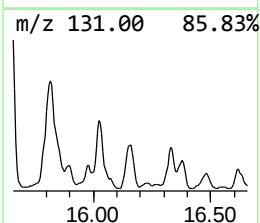
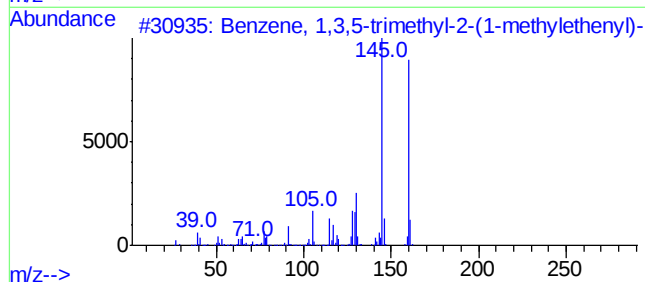
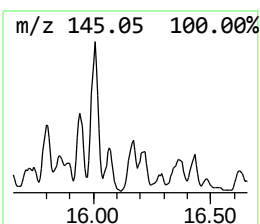
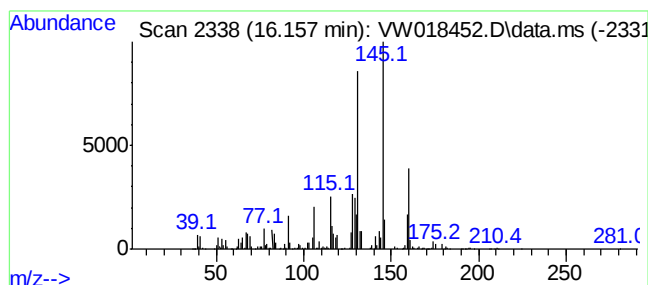
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Quant Title : VOC Analysis

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

Peak Number 77 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.157	16.71 ug/L	2220750	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
2			1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	50
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	49
4			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	49
5			1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

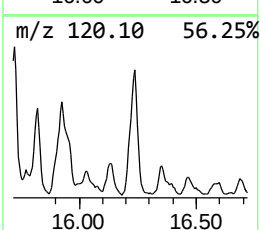
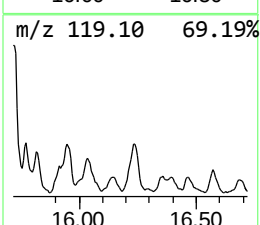
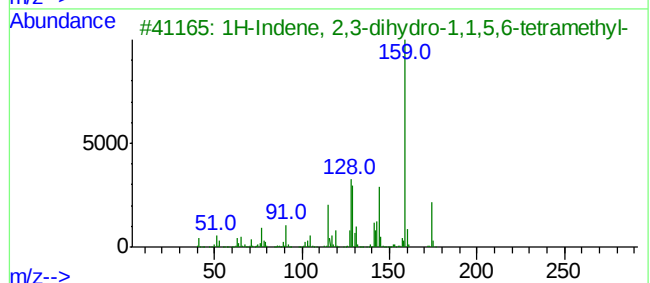
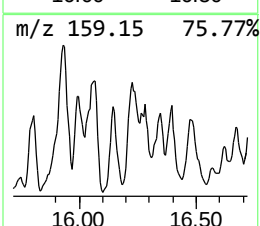
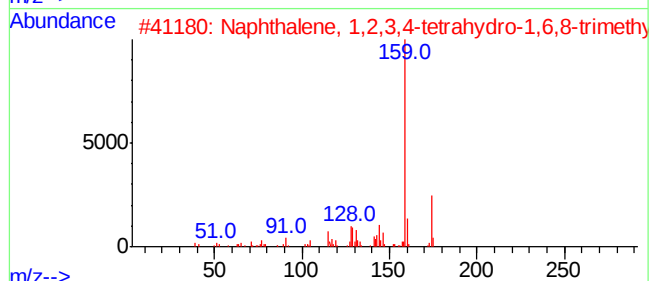
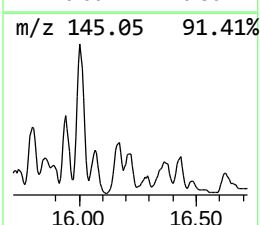
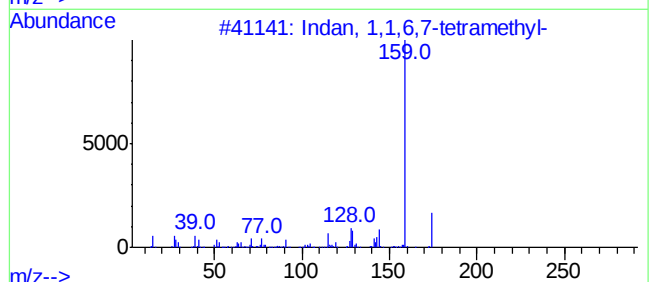
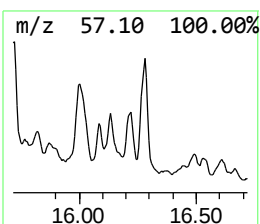
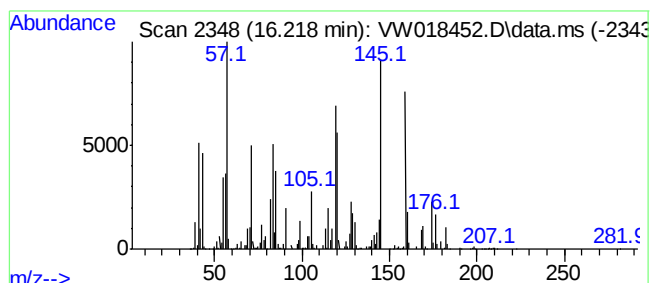
Instrument :
MSVOA_W
ClientSampleId :
BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis

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

Peak Number 78 Indan, 1,1,6,7-tetramethyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.218	12.93 ug/L	1718660	1,4-Dichlorobenzene-d4	13.554	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1,1,6,7-tetramethyl-	174	C13H18	016204-58-3	50
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	35
3	1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	20
4	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	15
5	Benzene, 2-(2-butenyl)-1,3,5-tri...	174	C13H18	063435-25-6	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

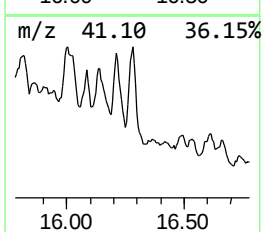
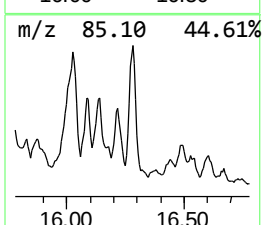
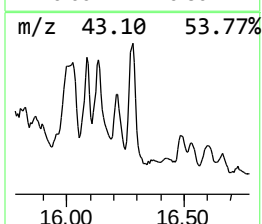
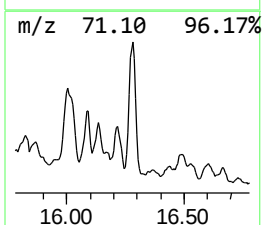
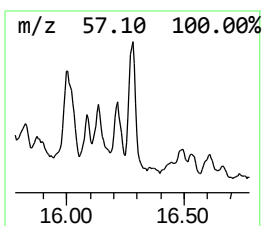
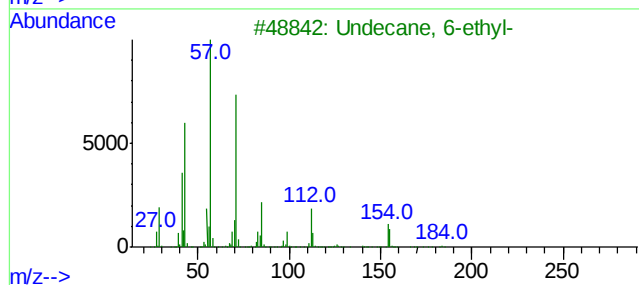
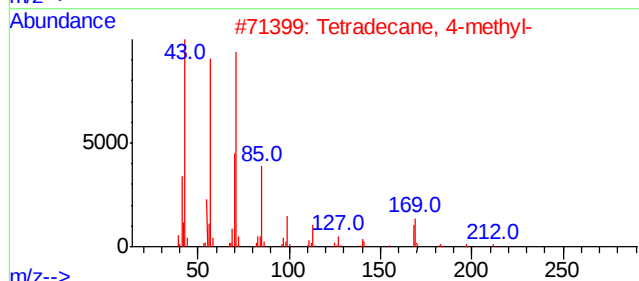
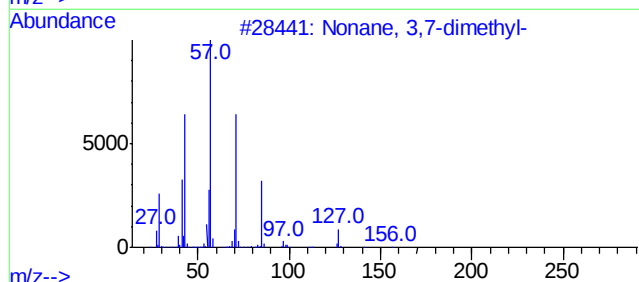
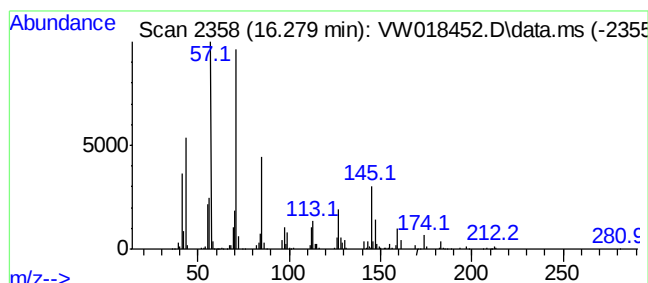
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Quant Title : VOC Analysis

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

Peak Number 79 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.279	7.75 ug/L	1029800	1,4-Dichlorobenzene-d4	13.554

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	70
2	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	58
3	Undecane, 6-ethyl-	184	C13H28	017312-60-6	53
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	52
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
Data File : VW018452.D
Acq On : 25 Mar 2021 13:00
Operator : SY/VA
Sample : M1781-03
Misc : 3.87G/10ML/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG4C4

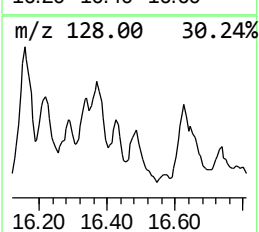
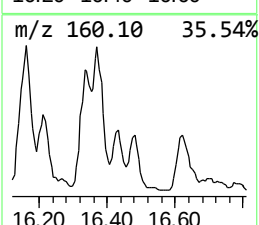
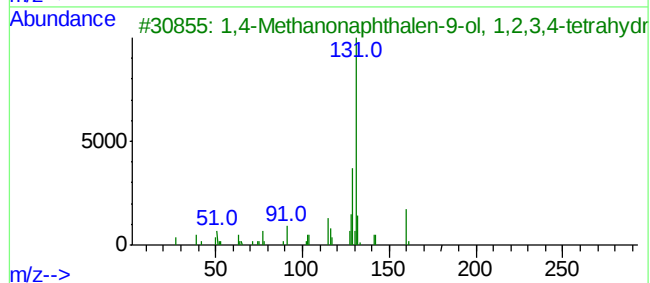
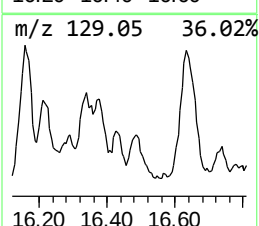
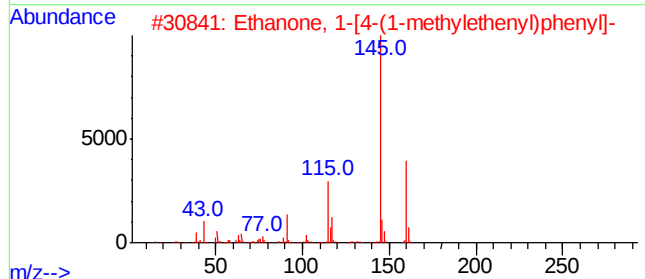
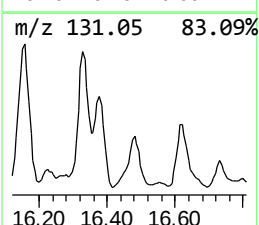
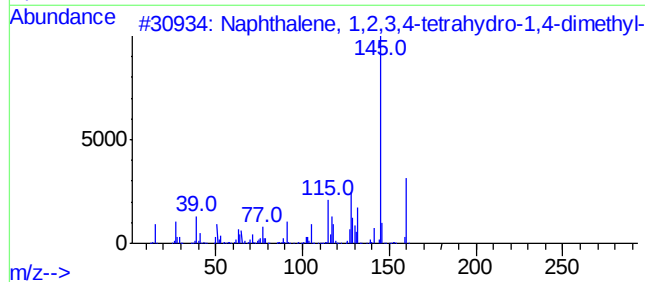
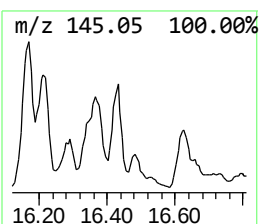
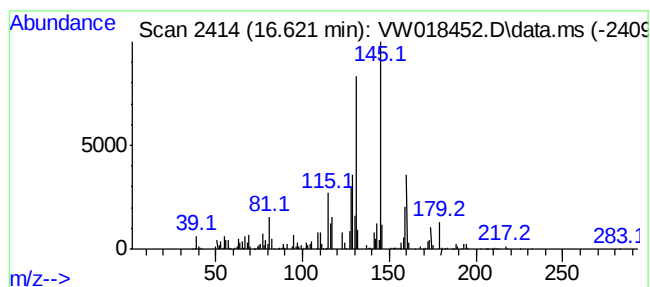
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Quant Title : VOC Analysis

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

Peak Number 80 Naphthalene, 1,2,3,4-tetrahydro... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.621	6.33 ug/L	841319	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	50
2			Ethanone, 1-[4-(1-methylethenyl)]...	160	C11H12O	005359-04-6	42
3			1,4-Methanonaphthalen-9-ol, 1,2,...	160	C11H12O	055255-94-2	41
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	38
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW032521\
 Data File : VW018452.D
 Acq On : 25 Mar 2021 13:00
 Operator : SY/VA
 Sample : M1781-03
 Misc : 3.87G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4C4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	7.915	4.2	ug/L	192928	1	8.842	1162020	25.0
(DEL) Alkane: S...	8.153	6.2	ug/L	287434	1	8.842	1162020	25.0
(DEL) Alkane: S...	8.476	20.1	ug/L	932475	1	8.842	1162020	25.0
(DEL) Alkane: S...	8.689	4.9	ug/L	226326	1	8.842	1162020	25.0
(DEL) Alkane: S...	9.329	6.1	ug/L	283319	1	8.842	1162020	25.0
(DEL) Alkane: S...	9.384	9.4	ug/L	437630	1	8.842	1162020	25.0
(DEL) Alkane: C...	9.604	5.5	ug/L	253436	1	8.842	1162020	25.0
(DEL) Alkane: S...	9.756	24.5	ug/L	1138930	1	8.842	1162020	25.0
(DEL) Alkane: S...	9.890	32.8	ug/L	1524480	1	8.842	1162020	25.0
(DEL) Alkane: S...	9.957	12.3	ug/L	572634	1	8.842	1162020	25.0
(DEL) Alkane: S...	10.091	33.0	ug/L	1533640	1	8.842	1162020	25.0
(DEL) Alkane: S...	10.250	10.3	ug/L	1081310	2	11.628	2633800	25.0
(DEL) Alkane: S...	10.500	9.8	ug/L	1034250	2	11.628	2633800	25.0
(DEL) Alkane: S...	10.768	8.1	ug/L	848674	2	11.628	2633800	25.0
(DEL) Alkane: S...	10.841	6.2	ug/L	647497	2	11.628	2633800	25.0
(DEL) Alkane: S...	11.036	13.1	ug/L	1379430	2	11.628	2633800	25.0
(DEL) Alkane: C...	11.232	7.8	ug/L	824338	2	11.628	2633800	25.0
1,2,4,4-Tetrame...	11.280	2.7	ug/L	284552	2	11.628	2633800	25.0
(DEL) Alkane: S...	11.335	5.3	ug/L	562534	2	11.628	2633800	25.0
(DEL) Alkane: S...	11.408	43.5	ug/L	4588350	2	11.628	2633800	25.0
(DEL) Alkane: S...	11.512	24.3	ug/L	2556540	2	11.628	2633800	25.0
(DEL) Alkane: S...	11.695	8.8	ug/L	930930	2	11.628	2633800	25.0
(DEL) Alkane: S...	11.841	16.8	ug/L	1764910	2	11.628	2633800	25.0
unknown-01	11.872	13.4	ug/L	1416490	2	11.628	2633800	25.0
Oxalic acid, cy...	11.914	3.7	ug/L	393931	2	11.628	2633800	25.0
Dichloroacetic ...	12.018	4.6	ug/L	480062	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.067	11.0	ug/L	1159460	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.134	22.3	ug/L	2350640	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.250	24.4	ug/L	2570100	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.329	21.1	ug/L	2218440	2	11.628	2633800	25.0
unknown-02	12.359	11.0	ug/L	1157350	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.414	4.3	ug/L	450801	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.512	33.4	ug/L	3517070	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.536	4.1	ug/L	433198	2	11.628	2633800	25.0
(DEL) Alkane: S...	12.591	54.3	ug/L	7222490	3	13.554	3322790	25.0
(DEL) Alkane: S...	12.756	27.6	ug/L	3666660	3	13.554	3322790	25.0
unknown-03	12.859	7.8	ug/L	1030450	3	13.554	3322790	25.0
(DEL) Alkane: S...	12.926	64.1	ug/L	8518560	3	13.554	3322790	25.0
Decane, 1,1'-ox...	13.079	14.0	ug/L	1866380	3	13.554	3322790	25.0
(DEL) Alkane: S...	13.128	20.7	ug/L	2745640	3	13.554	3322790	25.0
(DEL) Alkane: S...	13.164	12.9	ug/L	1714940	3	13.554	3322790	25.0
1-Iodo-2-methyl...	13.292	23.5	ug/L	3123830	3	13.554	3322790	25.0
(DEL) Alkane: S...	13.341	10.2	ug/L	1356530	3	13.554	3322790	25.0
(DEL) Alkane: S...	13.408	33.9	ug/L	4500120	3	13.554	3322790	25.0
(DEL) Alkane: C...	13.445	13.1	ug/L	1740010	3	13.554	3322790	25.0
(DEL) Alkane: S...	13.481	27.5	ug/L	3658450	3	13.554	3322790	25.0
(DEL) Alkane: S...	13.615	74.8	ug/L	9945500	3	13.554	3322790	25.0
Benzene, 1,2-di...	13.713	18.6	ug/L	2465340	3	13.554	3322790	25.0
Benzene, 1-meth...	13.749	23.3	ug/L	3094280	3	13.554	3322790	25.0
Benzene, 1,4-di...	13.792	18.9	ug/L	2510150	3	13.554	3322790	25.0
4,7-Methanoinde...	14.030	47.8	ug/L	6348150	3	13.554	3322790	25.0
Benzene, 4-ethy...	14.091	45.3	ug/L	6024820	3	13.554	3322790	25.0
unknown-04	14.194	45.2	ug/L	6003600	3	13.554	3322790	25.0

(DEL) Alkane: S...	14.261	35.0	ug/L	4652840	3	13.554	3322790	25.0
(DEL) Alkane: S...	14.353	35.6	ug/L	4733180	3	13.554	3322790	25.0
(DEL) Alkane: S...	14.389	19.7	ug/L	2620280	3	13.554	3322790	25.0
(DEL) Alkane: S...	14.426	24.8	ug/L	3291590	3	13.554	3322790	25.0
Benzene, 1,2,3,...	14.457	11.7	ug/L	1549230	3	13.554	3322790	25.0
unknown-05	14.499	93.8	ug/L	12461000	3	13.554	3322790	25.0
2-(p-Tolyl)ethy...	14.639	31.6	ug/L	4192710	3	13.554	3322790	25.0
unknown-06	14.682	17.8	ug/L	2369470	3	13.554	3322790	25.0
(DEL) Alkane: S...	14.725	72.9	ug/L	9690360	3	13.554	3322790	25.0
Benzene, 1-ethy...	14.786	59.9	ug/L	7954570	3	13.554	3322790	25.0
(DEL) Alkane: S...	14.841	64.5	ug/L	8577570	3	13.554	3322790	25.0
Benzene, 1-ethy...	14.975	9.4	ug/L	1246880	3	13.554	3322790	25.0
Benzene, pentam...	15.060	69.7	ug/L	9258110	3	13.554	3322790	25.0
Benzene, (1-met...	15.182	91.7	ug/L	12185400	3	13.554	3322790	25.0
(DEL) Alkane: S...	15.243	34.9	ug/L	4635090	3	13.554	3322790	25.0
(DEL) Alkane: S...	15.322	79.4	ug/L	10550900	3	13.554	3322790	25.0
unknown-07	15.462	37.8	ug/L	5021100	3	13.554	3322790	25.0
Benzene, 1-(1,1...	15.511	18.1	ug/L	2406660	3	13.554	3322790	25.0
(DEL) Alkane: S...	15.548	43.1	ug/L	5729470	3	13.554	3322790	25.0
1H-Indene, 2,3-...	15.651	50.8	ug/L	6755280	3	13.554	3322790	25.0
1H-Indene, 2,3-...	15.944	15.5	ug/L	2061950	3	13.554	3322790	25.0
1H-Indene, 2,3-...	16.005	32.8	ug/L	4360710	3	13.554	3322790	25.0
Benzene, 1,3,5-...	16.157	16.7	ug/L	2220750	3	13.554	3322790	25.0
Indan, 1,1,6,7-...	16.218	12.9	ug/L	1718660	3	13.554	3322790	25.0
(DEL) Alkane: S...	16.279	7.8	ug/L	1029800	3	13.554	3322790	25.0
Naphthalene, 1,...	16.621	6.3	ug/L	841319	3	13.554	3322790	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG4C4