

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018145.D
 Acq On : 15 Feb 2021 19:03
 Operator : SY/VA
 Sample : M1370-14RE
 Misc : 5.13G/10ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZ0RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M

Title : VOC Analysis

Signal : TIC: VW018145.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.965	5	10	30	rVB3	18251	59030	0.15%	0.084%
2	2.355	65	74	87	rVB	53330	105345	0.27%	0.149%
3	2.891	153	162	178	rVB	41512	105284	0.27%	0.149%
4	4.025	336	348	356	rBV2	95426	292090	0.76%	0.414%
5	4.117	356	363	382	rVV	113640	311922	0.81%	0.443%
6	4.385	396	407	423	rBV	21924	65157	0.17%	0.092%
7	4.921	483	495	510	rBV3	17211	67133	0.17%	0.095%
8	6.982	824	833	841	rVV3	12558	37687	0.10%	0.053%
9	7.080	841	849	857	rVV	22280	65177	0.17%	0.092%
10	7.531	914	923	932	rBV2	18701	50257	0.13%	0.071%
11	7.647	932	942	960	rVV	154805	388106	1.01%	0.551%
12	7.951	979	992	1000	rVV2	53706	180467	0.47%	0.256%
13	8.031	1000	1005	1016	rVV2	16906	42577	0.11%	0.060%
14	8.153	1016	1025	1032	rVV	30083	69695	0.18%	0.099%
15	8.275	1032	1045	1049	rVV	290885	740385	1.92%	1.050%
16	8.317	1049	1052	1063	rVV3	280020	616402	1.60%	0.875%
17	8.482	1063	1079	1088	rVV3	52425	203809	0.53%	0.289%
18	8.573	1088	1094	1106	rVB	31567	71416	0.19%	0.101%
19	8.695	1106	1114	1122	rBV	39139	78155	0.20%	0.111%
20	8.841	1130	1138	1150	rVV	380029	749185	1.94%	1.063%
21	9.274	1200	1209	1214	rBV	196366	429920	1.11%	0.610%
22	9.335	1214	1219	1225	rVV	240387	512798	1.33%	0.728%
23	9.384	1225	1227	1235	rVB2	36778	54685	0.14%	0.078%
24	9.518	1244	1249	1255	rVB	22160	39334	0.10%	0.056%
25	9.610	1255	1264	1278	rVB3	22498	56302	0.15%	0.080%
26	9.756	1278	1288	1297	rBV2	113159	229714	0.60%	0.326%
27	9.854	1297	1304	1307	rBV	102340	203338	0.53%	0.288%
28	9.896	1307	1311	1316	rVV	112015	214957	0.56%	0.305%
29	9.957	1316	1321	1325	rVV2	39560	81888	0.21%	0.116%
30	10.036	1329	1334	1338	rVV	78047	140186	0.36%	0.199%
31	10.091	1338	1343	1356	rVB3	51773	137034	0.35%	0.194%
32	10.250	1363	1369	1374	rVB	53364	93971	0.24%	0.133%
33	10.323	1374	1381	1387	rBV	464716	864225	2.24%	1.226%
34	10.384	1387	1391	1397	rVB	103067	195094	0.51%	0.277%
35	10.500	1404	1410	1417	rVB3	66459	148896	0.39%	0.211%
36	10.579	1417	1423	1427	rBV	54079	95810	0.25%	0.136%

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Stop Thrs : 0

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\SOM2WLM012921S.M
 Title : VOC Analysis

37	10.664	1432	1437	1445	rVB	62271	115271	0.30%	0.164%
38	10.762	1446	1453	1459	rBV4	36767	80785	0.21%	0.115%
39	10.926	1472	1480	1487	rBV3	108406	207333	0.54%	0.294%
40	11.036	1487	1498	1506	rBV3	21639	84753	0.22%	0.120%
41	11.176	1513	1521	1526	rBV3	65959	152911	0.40%	0.217%
42	11.231	1526	1530	1535	rVB	93095	159934	0.41%	0.227%
43	11.335	1542	1547	1551	rBV3	27286	44743	0.12%	0.063%
44	11.432	1551	1563	1567	rBV4	35331	96789	0.25%	0.137%
45	11.628	1587	1595	1604	rBV	359250	629140	1.63%	0.893%
46	11.731	1606	1612	1616	rBV	57761	100292	0.26%	0.142%
47	11.829	1620	1628	1640	rBV3	172131	452314	1.17%	0.642%
48	12.018	1654	1659	1664	rBV2	26275	44691	0.12%	0.063%
49	12.109	1668	1674	1675	rBV2	31992	46977	0.12%	0.067%
50	12.249	1693	1697	1702	rVB2	24516	40085	0.10%	0.057%
51	12.365	1702	1716	1722	rBV	458046	929014	2.41%	1.318%
52	12.463	1726	1732	1737	rVV	449168	730705	1.89%	1.037%
53	12.524	1737	1742	1747	rVV2	67794	157797	0.41%	0.224%
54	12.566	1747	1749	1754	rVV4	27358	46622	0.12%	0.066%
55	12.682	1755	1768	1771	rVV2	702419	1327506	3.44%	1.883%
56	12.719	1771	1774	1779	rVV	472714	760048	1.97%	1.078%
57	12.804	1779	1788	1793	rVV	268724	497765	1.29%	0.706%
58	12.865	1793	1798	1801	rVV	332011	525334	1.36%	0.745%
59	12.920	1801	1807	1821	rVV	21399324	38601721	100.00%	54.767%
60	13.048	1821	1828	1832	rVV	2377402	4202919	10.89%	5.963%
61	13.091	1832	1835	1844	rVV2	920783	1687854	4.37%	2.395%
62	13.200	1845	1853	1857	rVV	276696	516944	1.34%	0.733%
63	13.249	1857	1861	1873	rVB	1319692	2016049	5.22%	2.860%
64	13.396	1873	1885	1888	rBV3	149663	368582	0.95%	0.523%
65	13.438	1888	1892	1897	rVV	508423	778436	2.02%	1.104%
66	13.493	1897	1901	1906	rVV	174479	285819	0.74%	0.406%
67	13.585	1906	1916	1921	rVV2	530386	1162825	3.01%	1.650%
68	13.652	1921	1927	1933	rVB	350547	559507	1.45%	0.794%
69	13.719	1933	1938	1940	rBV	64465	104369	0.27%	0.148%
70	13.755	1940	1944	1946	rVV2	188236	309228	0.80%	0.439%
71	13.786	1946	1949	1953	rVV	175914	288334	0.75%	0.409%
72	13.853	1956	1960	1963	rVV	131303	234824	0.61%	0.333%
73	13.889	1963	1966	1971	rVV3	83226	163316	0.42%	0.232%
74	13.944	1971	1975	1980	rVB	89195	143745	0.37%	0.204%
75	14.005	1980	1985	1988	rBV	122350	196248	0.51%	0.278%
76	14.042	1988	1991	1995	rVV2	77396	127499	0.33%	0.181%

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Title : VOC Analysis

77	14.097	1995	2000	2004	rVV	305488	492567	1.28%	0.699%
78	14.133	2004	2006	2009	rVV	47027	57190	0.15%	0.081%
79	14.182	2009	2014	2023	rVB4	166363	394274	1.02%	0.559%
80	14.334	2028	2039	2043	rBV2	74998	151088	0.39%	0.214%
81	14.383	2043	2047	2050	rVV	110365	192314	0.50%	0.273%
82	14.414	2050	2052	2055	rVV	148429	230030	0.60%	0.326%
83	14.456	2055	2059	2063	rVV	232516	378630	0.98%	0.537%
84	14.499	2063	2066	2068	rVV	25777	36164	0.09%	0.051%
85	14.529	2068	2071	2074	rVV3	38416	61748	0.16%	0.088%
86	14.566	2074	2077	2083	rVB	89979	130865	0.34%	0.186%
87	14.651	2083	2091	2093	rBV4	70968	140316	0.36%	0.199%
88	14.682	2093	2096	2101	rVV	74852	116946	0.30%	0.166%
89	14.786	2107	2113	2121	rBV2	148818	382223	0.99%	0.542%
90	14.956	2136	2141	2145	rBV2	57205	101334	0.26%	0.144%
91	15.011	2145	2150	2156	rVV2	138314	279076	0.72%	0.396%
92	15.066	2156	2159	2166	rVB3	38032	81808	0.21%	0.116%
93	15.182	2172	2178	2187	rVB3	23569	62095	0.16%	0.088%
94	15.365	2202	2208	2216	rVB	51681	100213	0.26%	0.142%
95	15.481	2222	2227	2230	rBV3	40020	73249	0.19%	0.104%
96	15.645	2250	2254	2263	rVB6	17047	40080	0.10%	0.057%
97	16.188	2336	2343	2352	rBV2	23533	57263	0.15%	0.081%
98	16.438	2377	2384	2391	rVB6	18278	43910	0.11%	0.062%
99	16.523	2391	2398	2402	rBV3	22409	47961	0.12%	0.068%
100	16.694	2420	2426	2431	rVV4	24228	55838	0.14%	0.079%

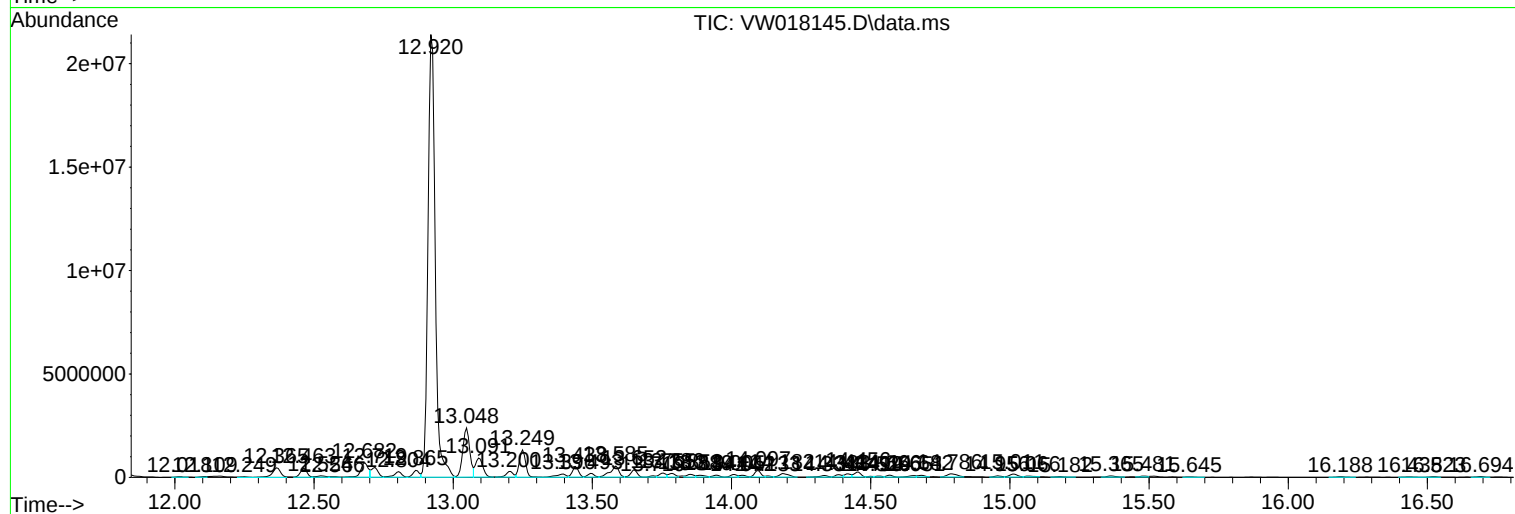
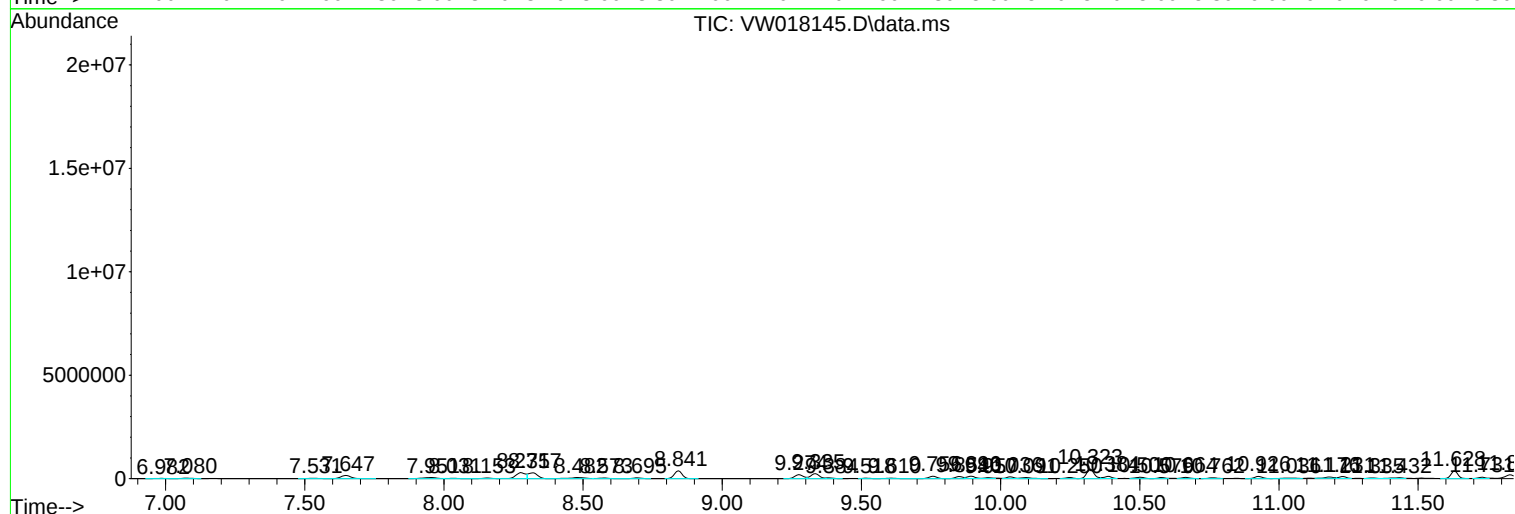
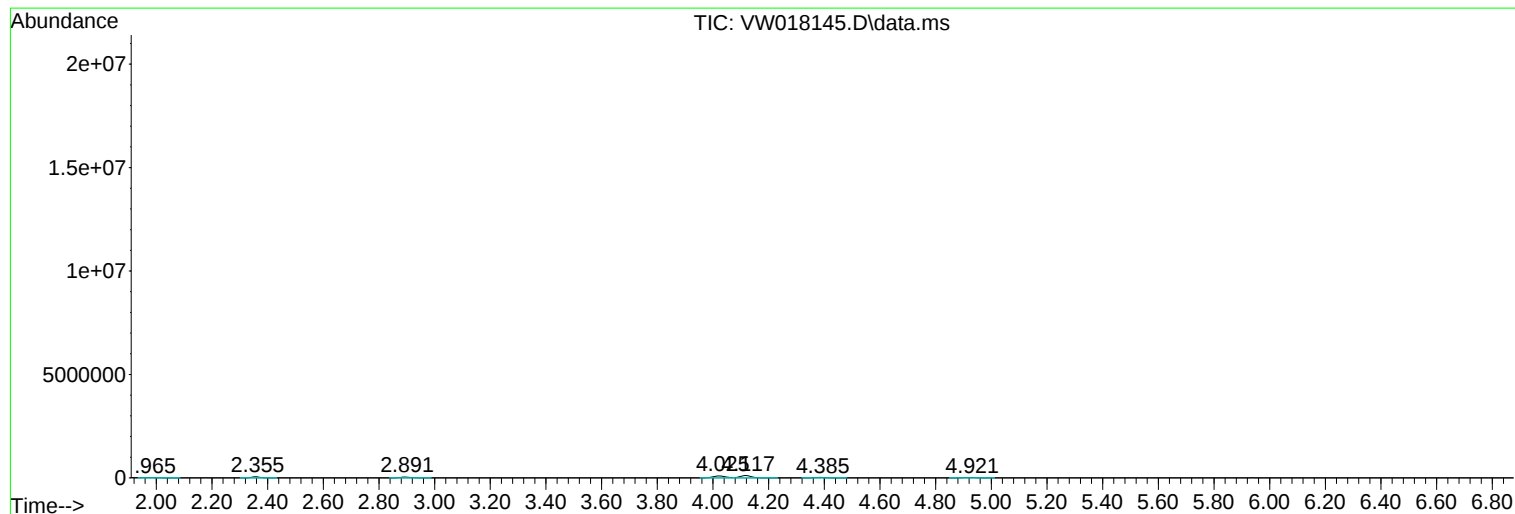
Sum of corrected areas: 70483641

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ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
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Instrument :
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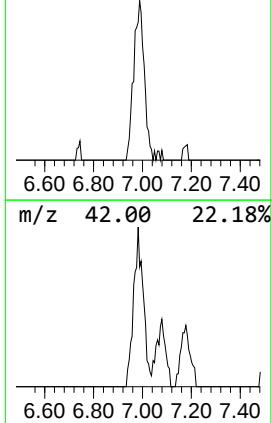
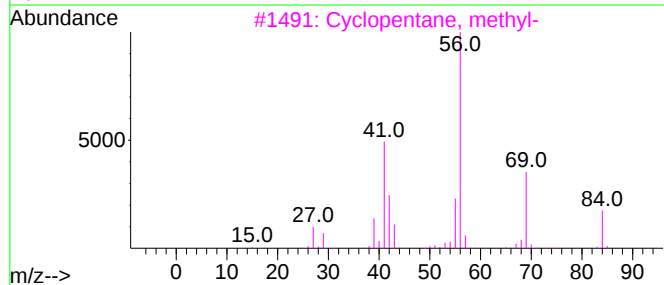
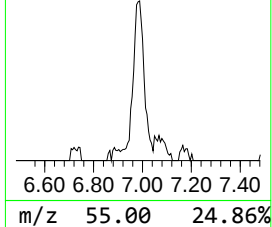
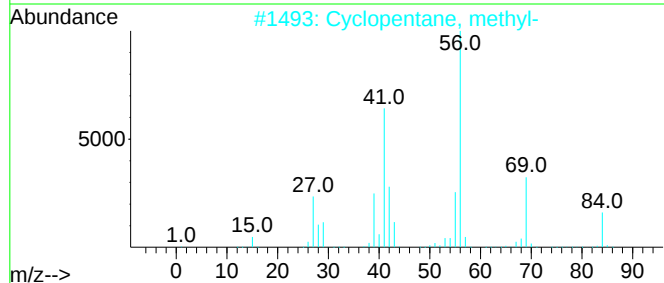
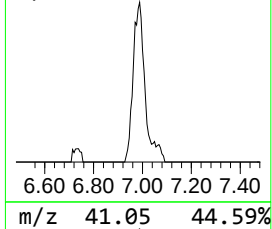
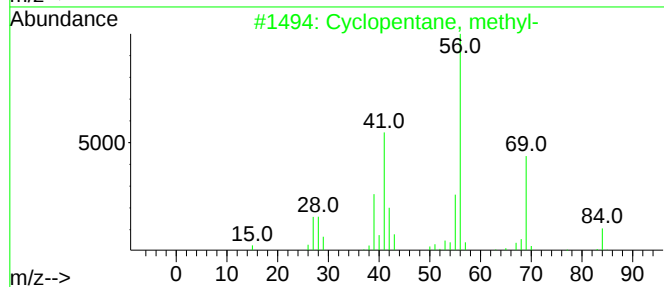
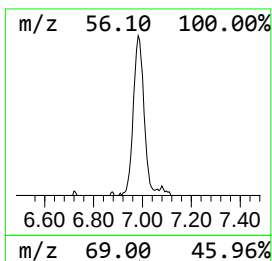
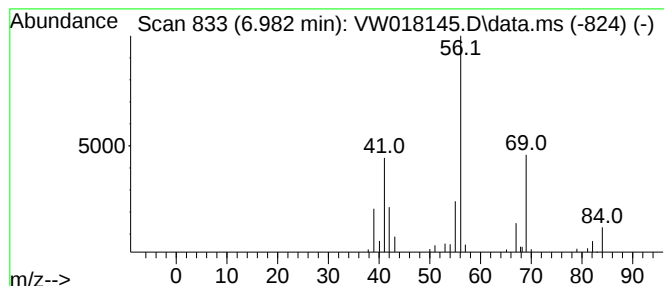
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic6.982 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.982	1.26 ug/L	37687	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	72
3			Cyclopentane, methyl-	84	C6H12	000096-37-7	64
4			Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64



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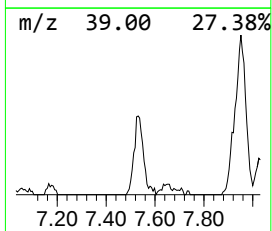
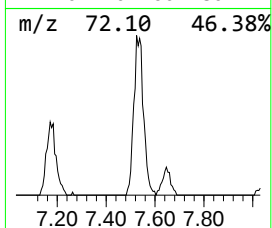
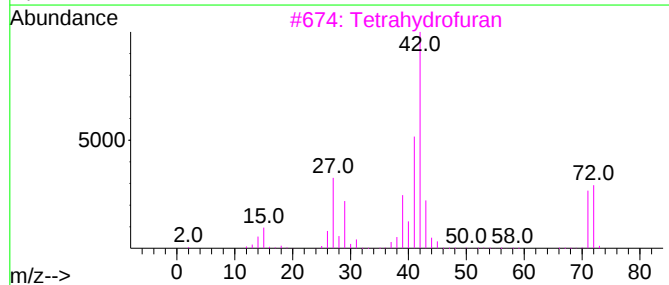
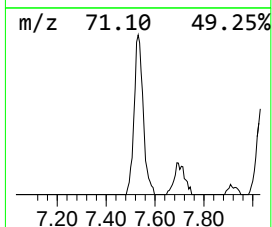
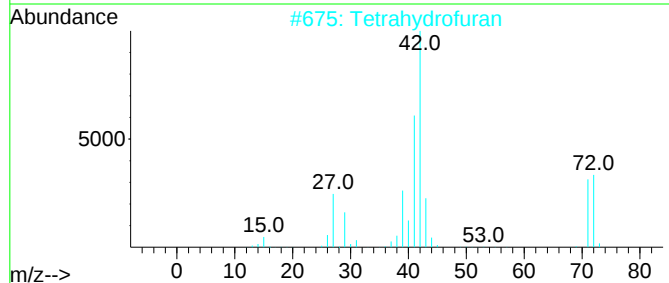
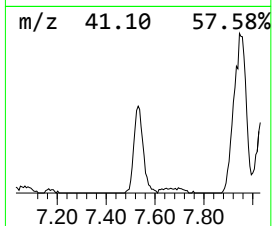
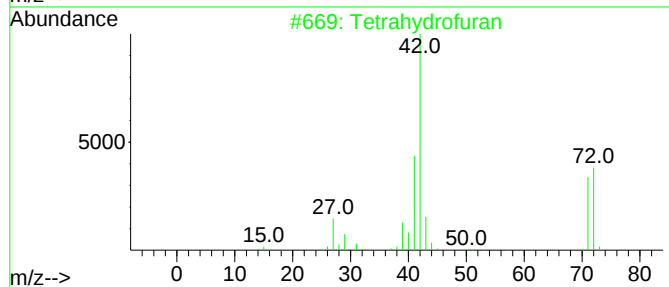
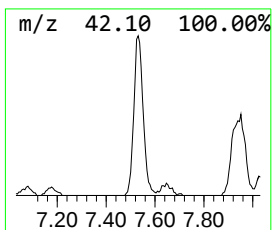
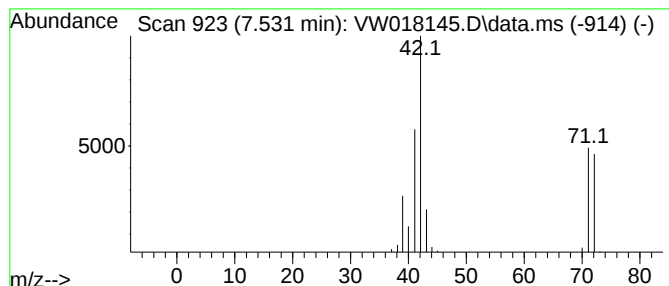
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 3 Tetrahydrofuran Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.531	1.68 ug/L	50257	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetrahydrofuran	72	C4H8O	000109-99-9	90
2			Tetrahydrofuran	72	C4H8O	000109-99-9	87
3			Tetrahydrofuran	72	C4H8O	000109-99-9	83
4			1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	53
5			1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	53



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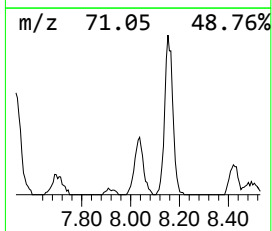
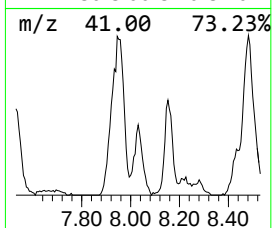
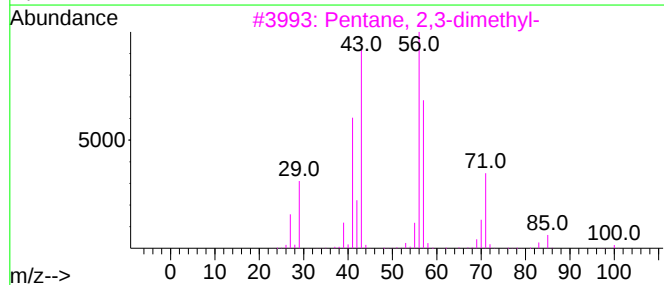
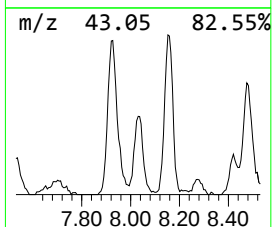
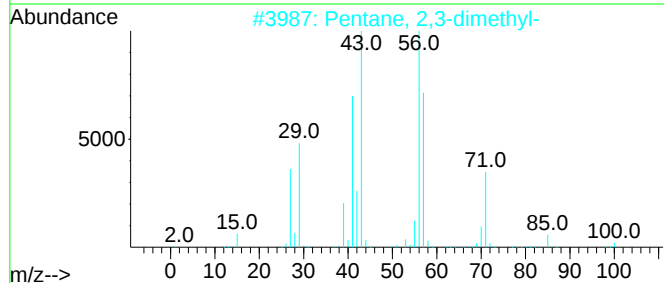
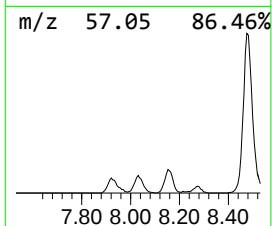
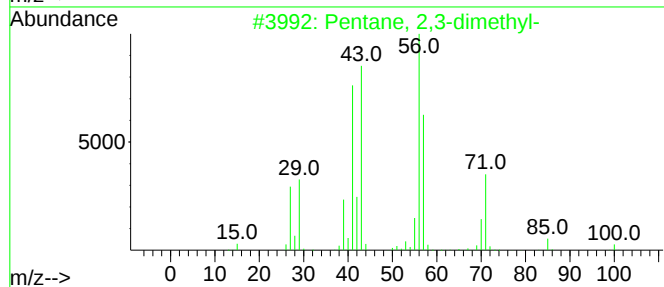
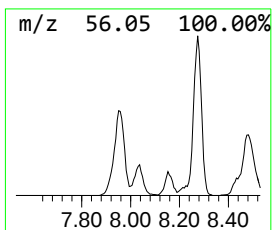
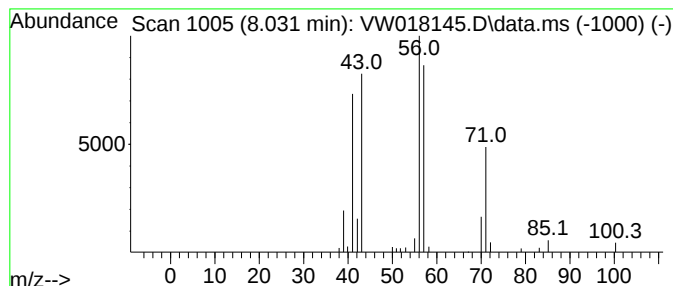
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.031	1.42 ug/L	42577	1,4-Difluorobenzene	8.841

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	64
3		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	50
4		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	40
5		Cyanoic acid, ethyl ester	71	C3H5NO	000627-48-5	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

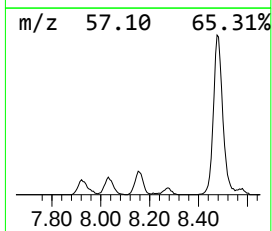
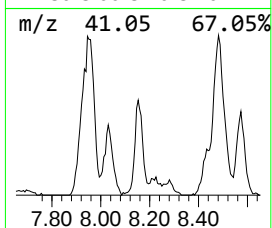
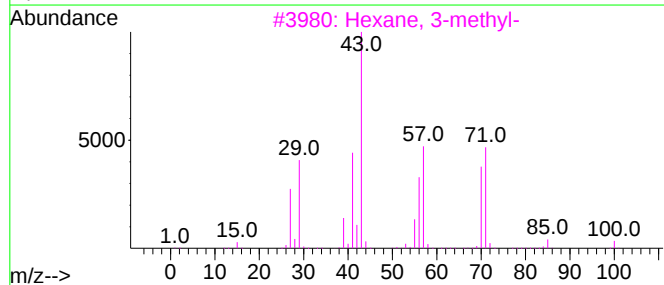
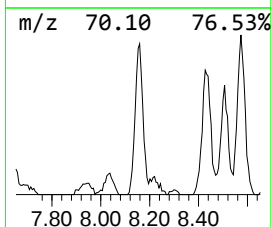
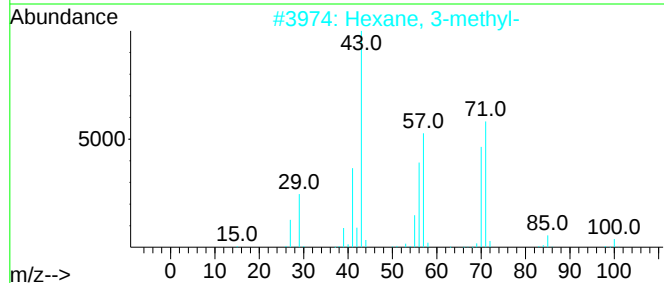
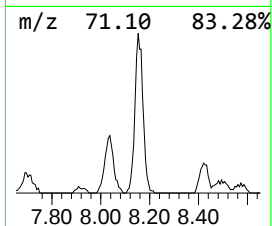
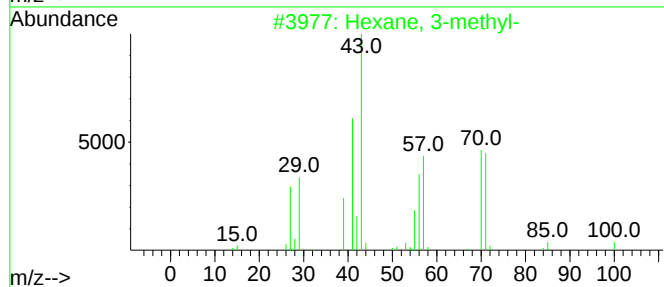
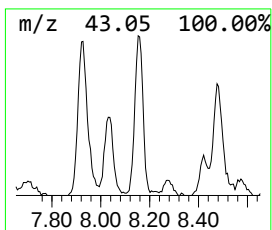
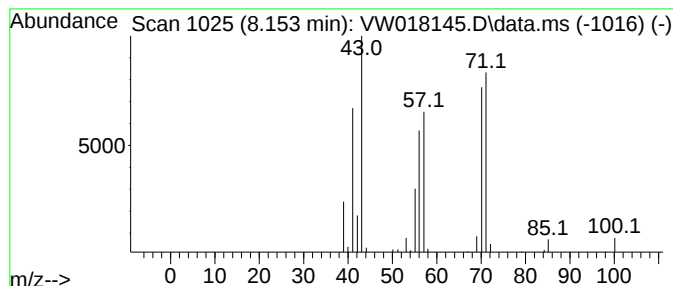
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.153	2.33 ug/L	69695	1,4-Difluorobenzene	8.841

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	96	
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91	
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90	
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64	
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

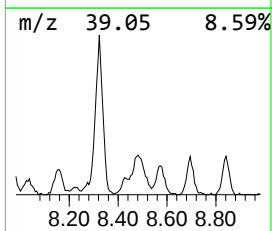
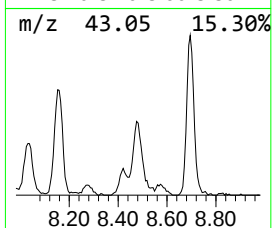
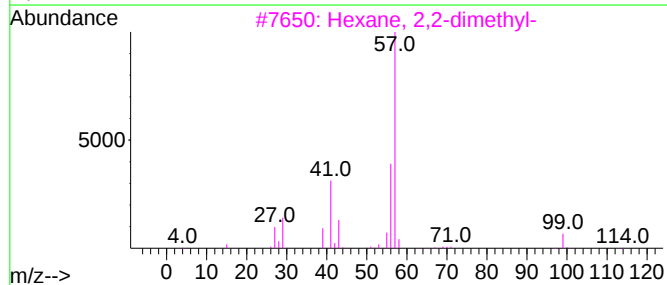
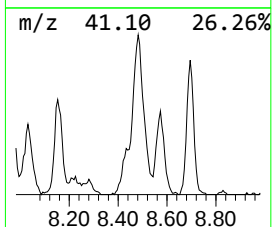
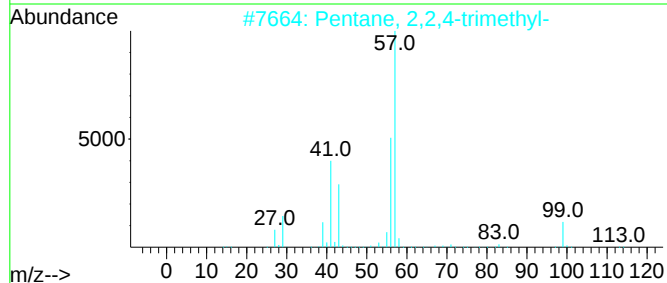
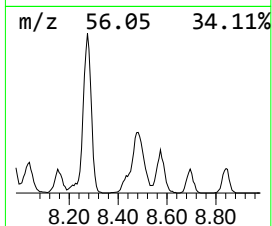
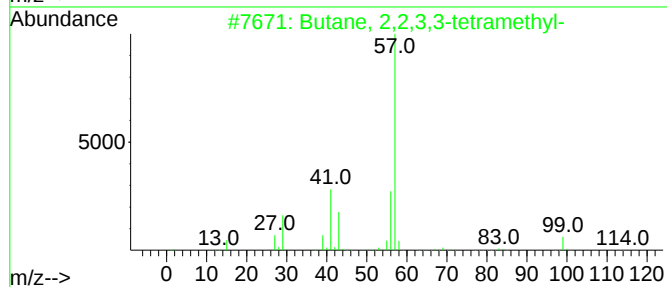
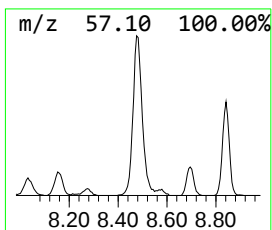
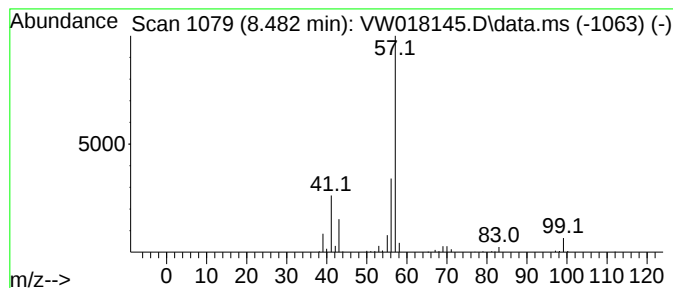
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.482	6.80 ug/L	203809	1,4-Difluorobenzene	8.841

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	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\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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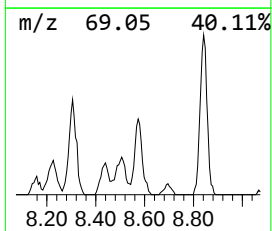
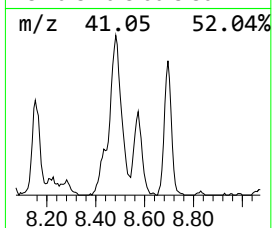
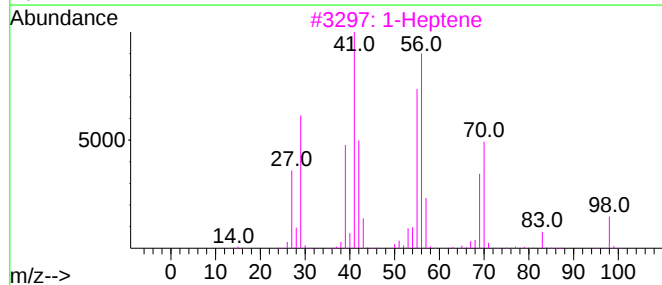
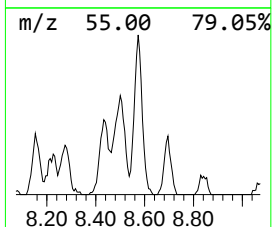
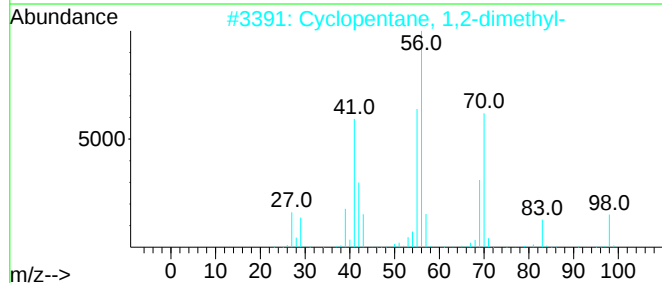
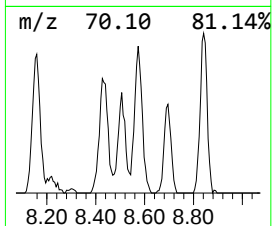
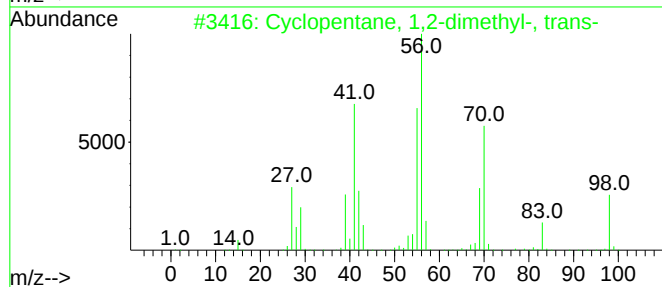
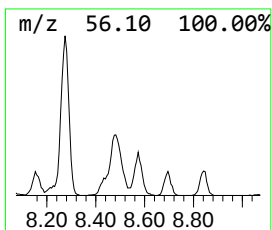
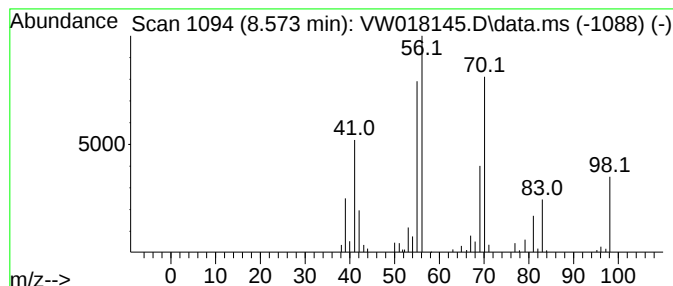
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Cyclic8.573 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.573	2.38 ug/L	71416	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
2			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
3			1-Heptene	98	C7H14	000592-76-7	90
4			Isopropylcyclobutane	98	C7H14	000872-56-0	90
5			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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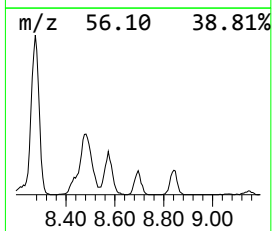
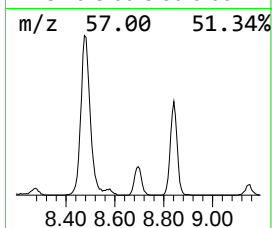
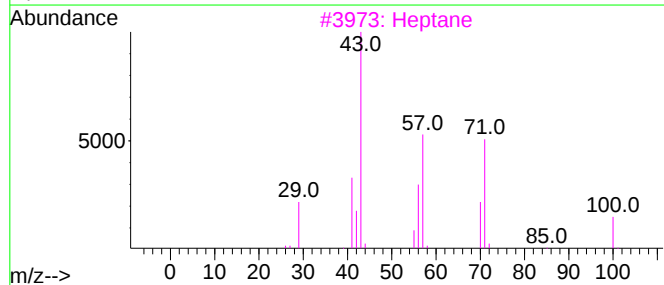
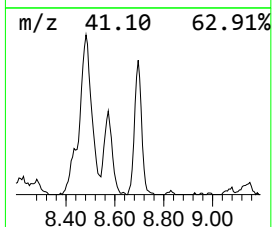
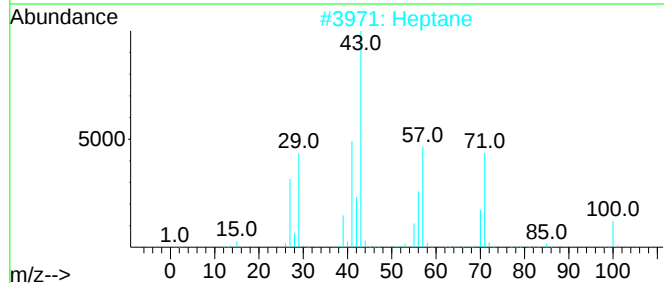
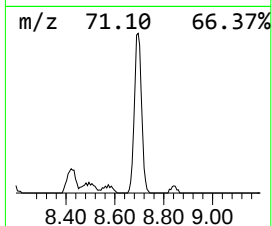
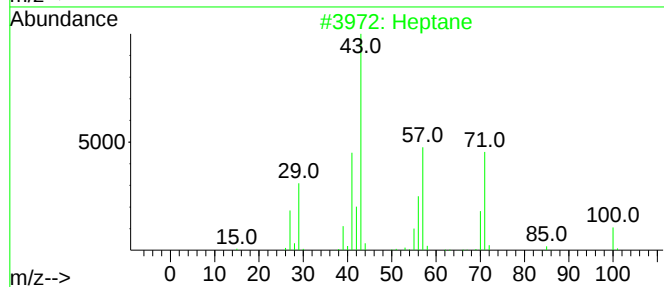
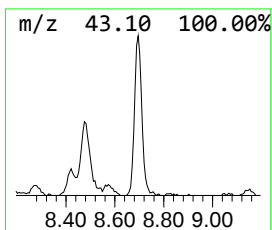
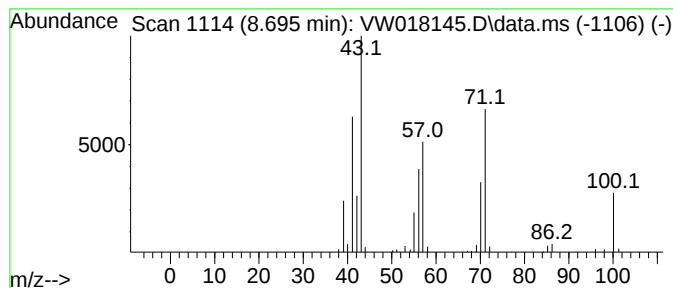
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.695	2.61 ug/L	78155	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane			100	C7H16	000142-82-5	86
2	Heptane			100	C7H16	000142-82-5	72
3	Heptane			100	C7H16	000142-82-5	72
4	Heptane			100	C7H16	000142-82-5	56
5	Octane			114	C8H18	000111-65-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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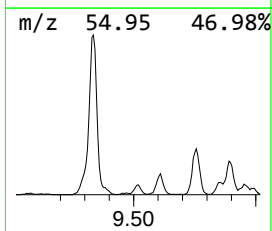
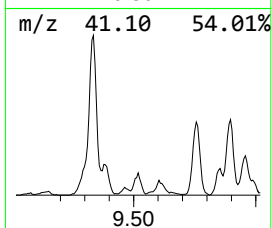
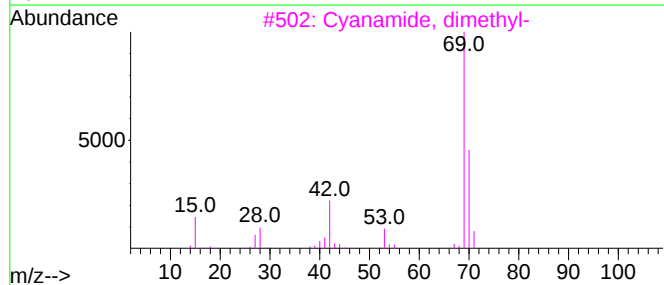
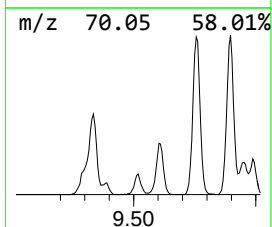
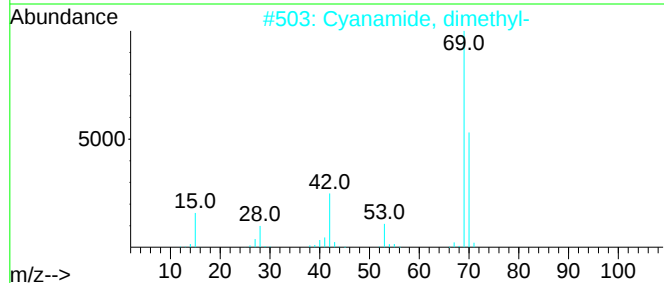
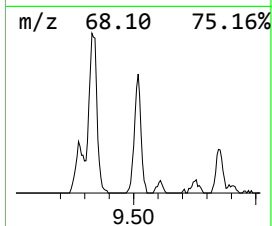
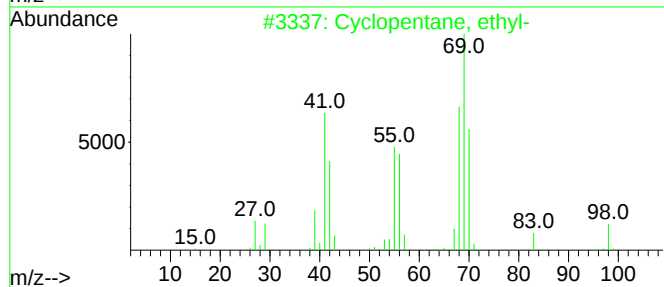
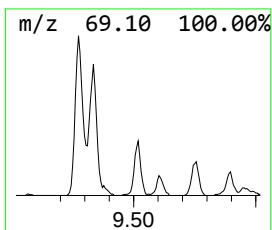
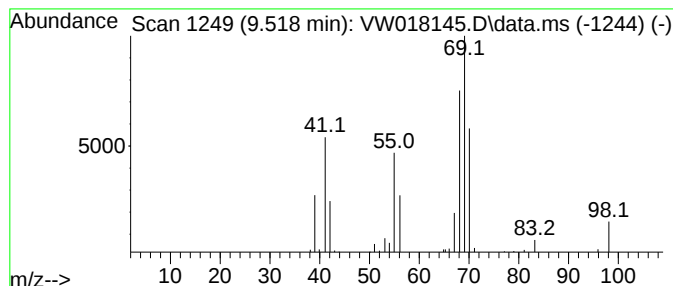
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Cyclic9.518 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.518	1.31 ug/L	39334	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	64
2			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38
3			Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	38
4			3-Methyl-2-hexene	98	C7H14	017618-77-8	35
5			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

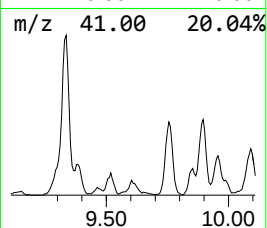
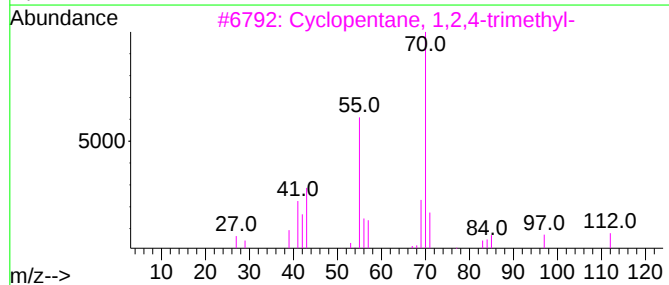
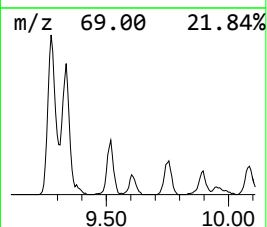
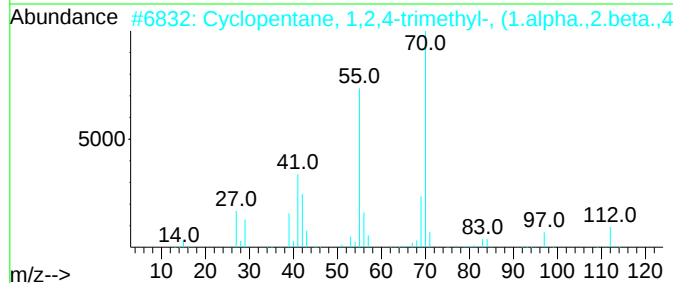
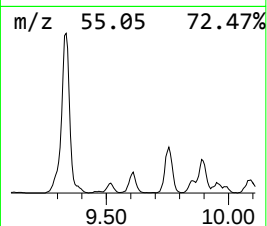
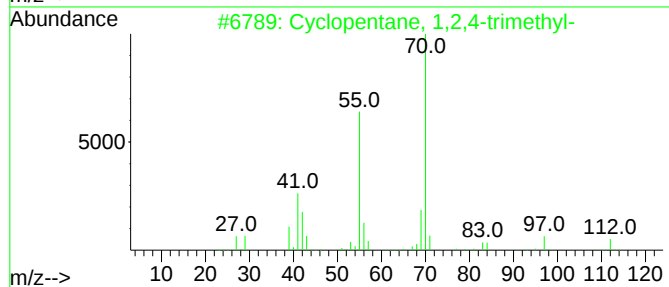
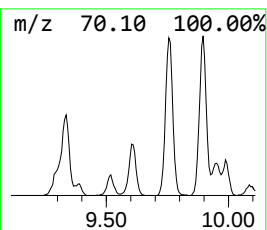
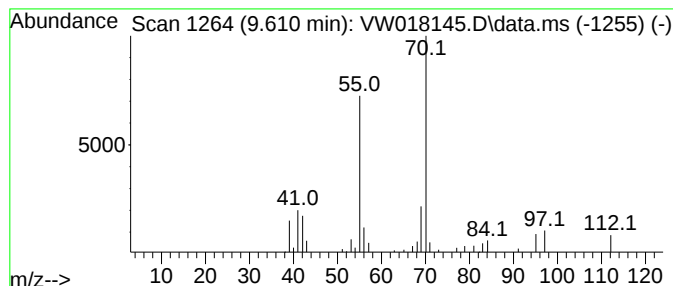
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic9.610 Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	1.88 ug/L	56302	1,4-Difluorobenzene	8.841

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	87
3		Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	86
4		Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	74
5		Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

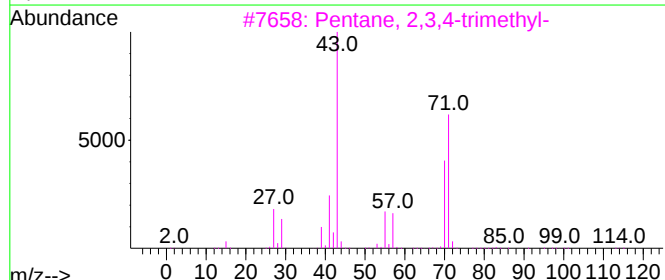
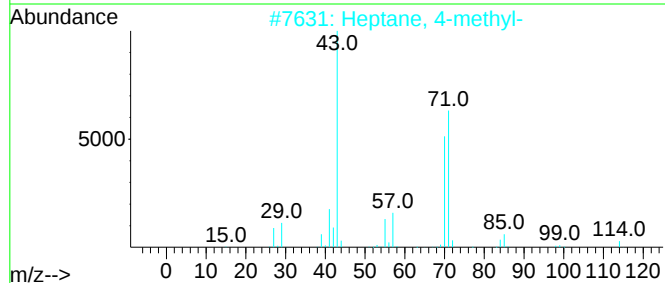
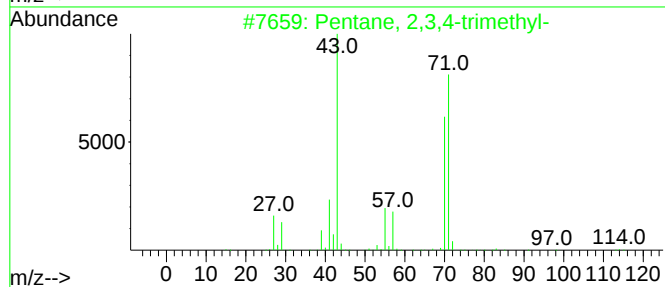
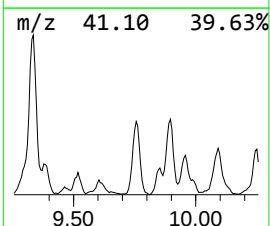
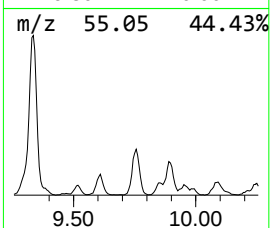
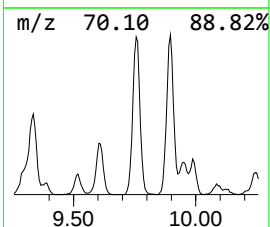
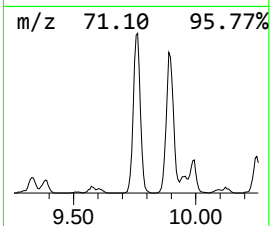
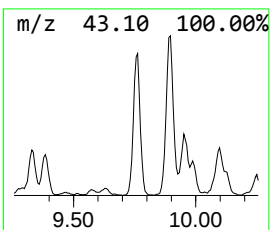
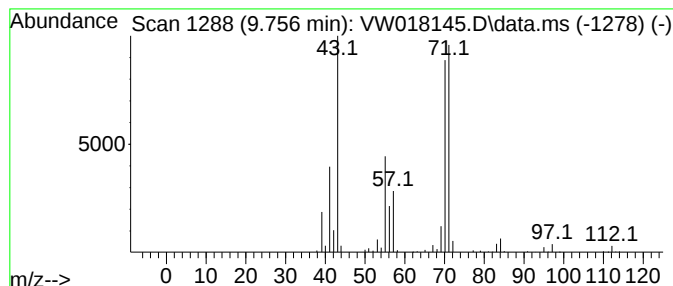
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	7.67 ug/L	229714	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
2			Heptane, 4-methyl-	114	C8H18	000589-53-7	72
3			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
4			n-Butyric acid 2-ethylhexyl ester	200	C12H24O2	025415-84-3	64
5			Heptane, 4-methyl-	114	C8H18	000589-53-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

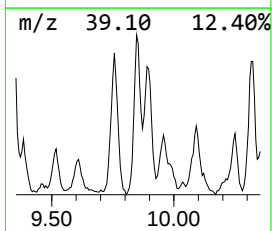
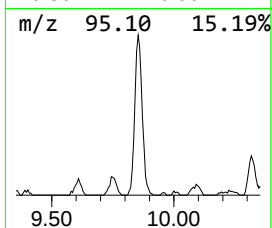
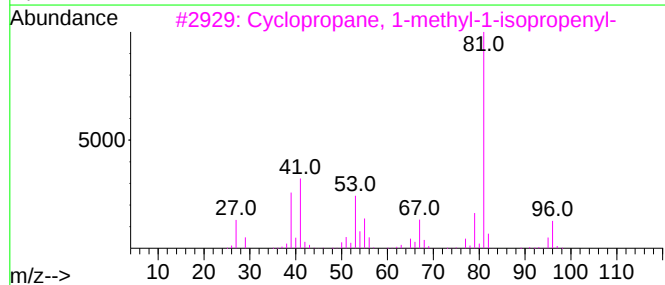
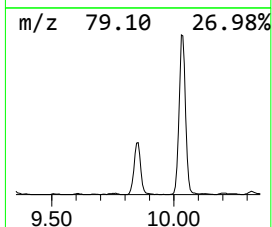
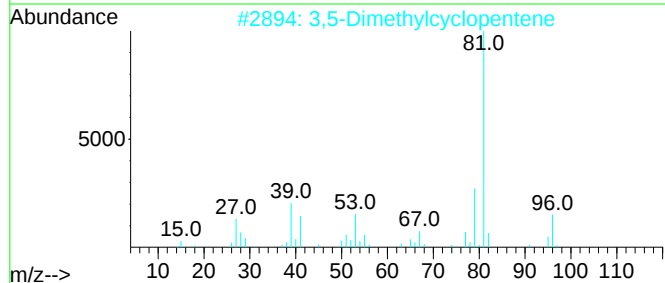
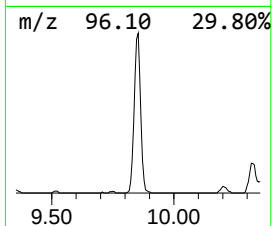
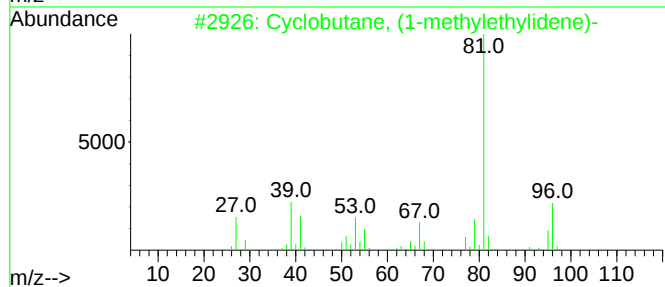
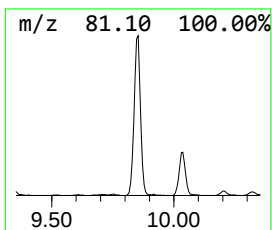
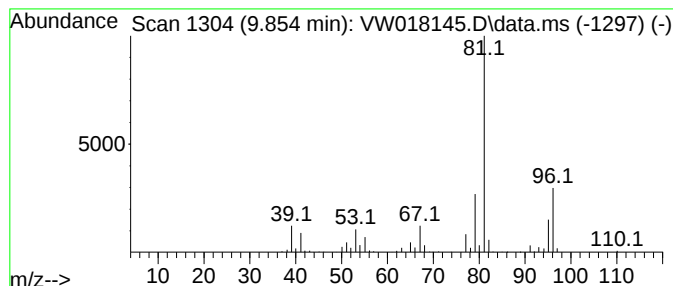
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Quant Title : VOC Analysis

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

Peak Number 12 Cyclobutane, (1-methylethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.854	6.79 ug/L	203338	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	78
2			3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
3			Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
4			Cyclopentane, 1-methyl-2-methylene-	96	C7H12	041158-41-2	78
5			Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

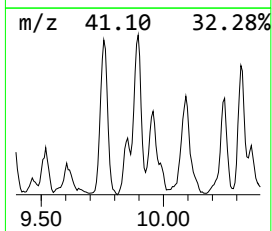
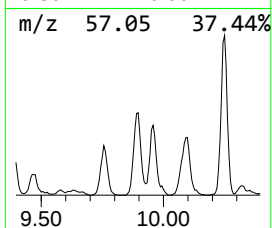
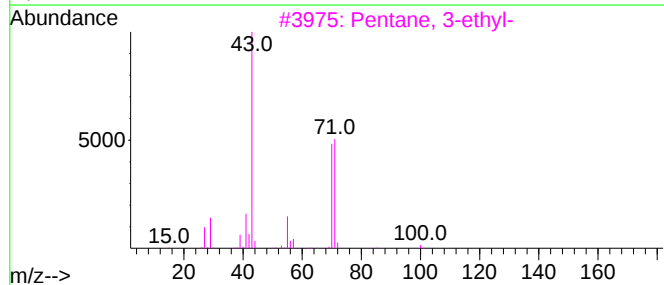
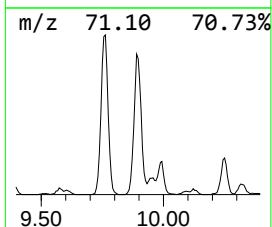
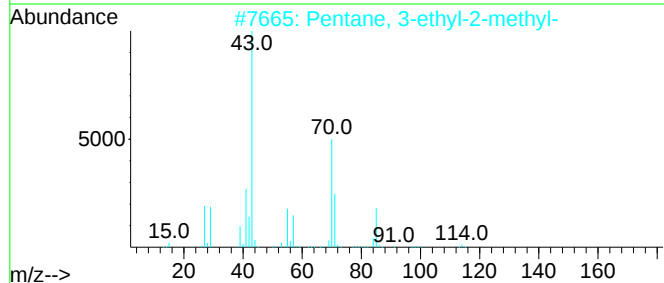
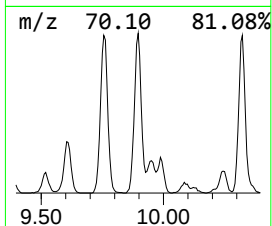
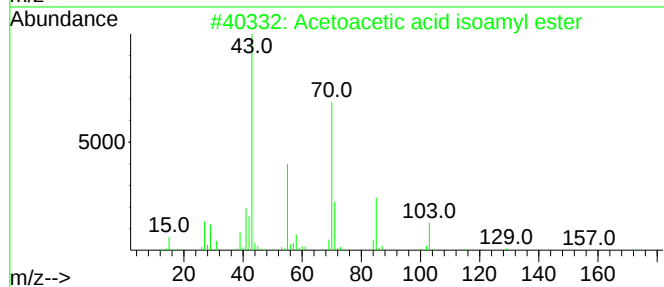
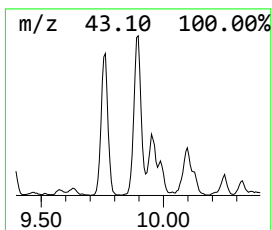
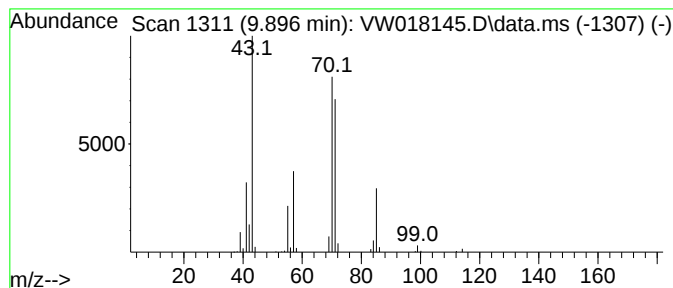
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Quant Title : VOC Analysis

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

Peak Number 13 Acetoacetic acid isoamyl ester Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.896	7.17 ug/L	214957	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1	72
2			Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	64
3			Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
4			Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	64
5			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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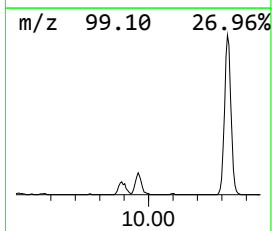
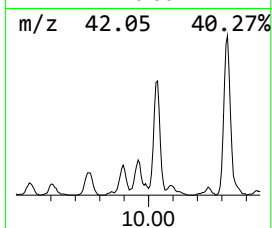
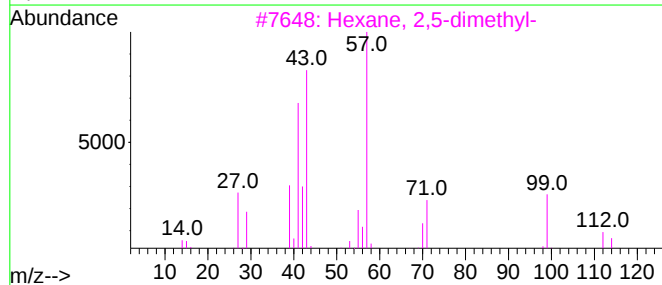
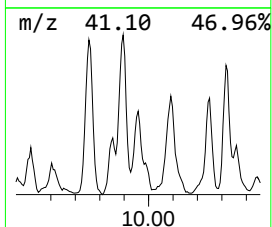
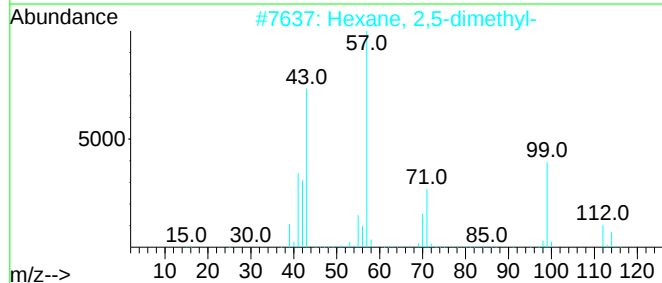
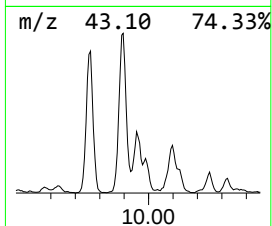
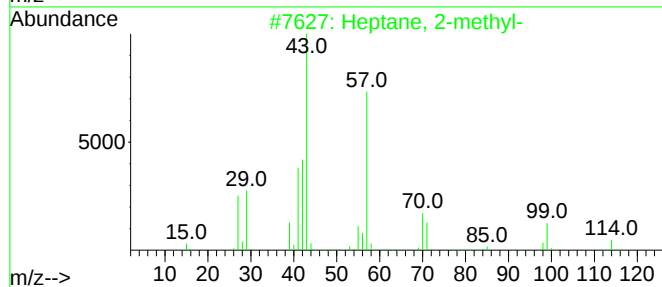
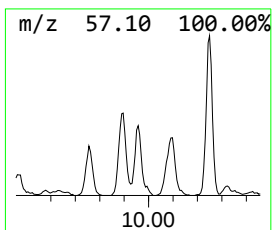
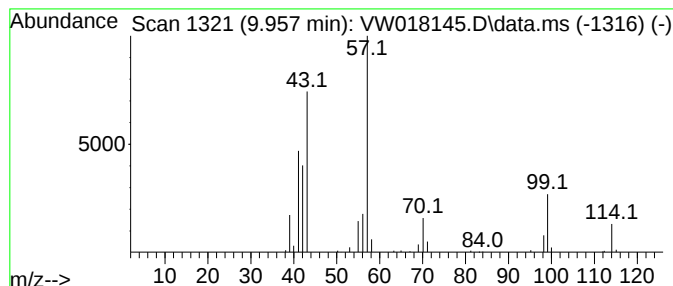
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.957	2.73 ug/L	81888	1,4-Difluorobenzene	8.841

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2-methyl-	114	C8H18	000592-27-8	86
2		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
3		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
4		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
5		Heptane, 2-methyl-	114	C8H18	000592-27-8	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

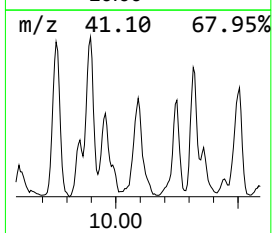
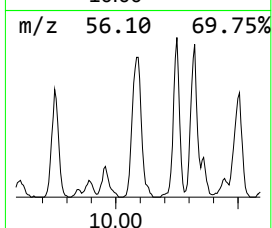
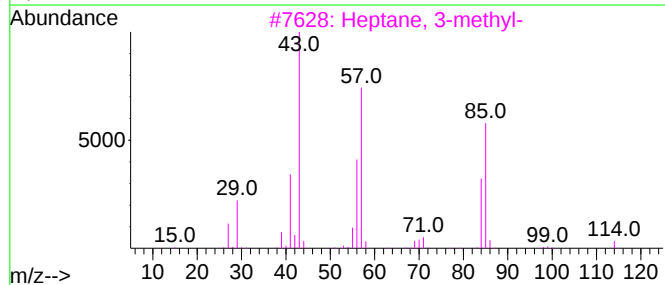
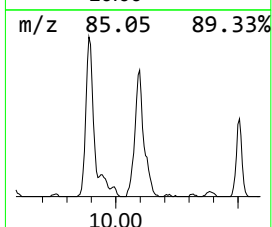
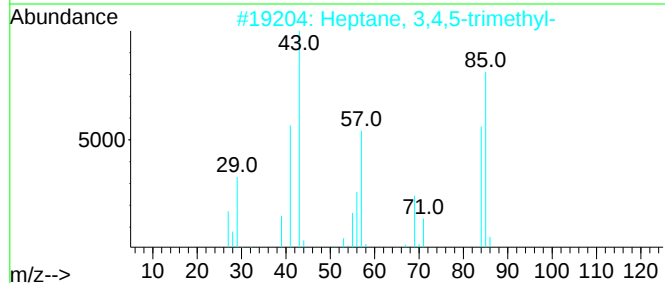
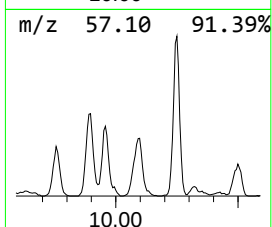
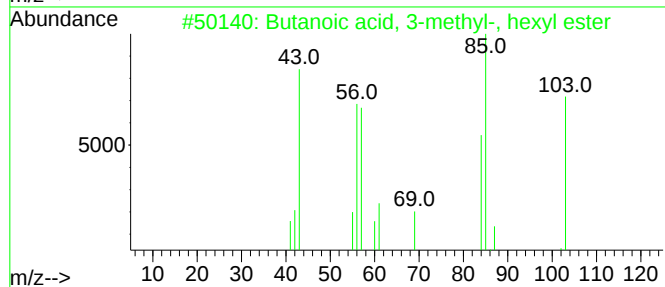
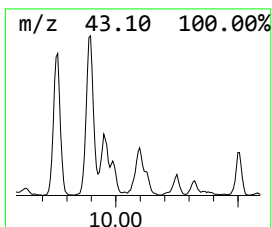
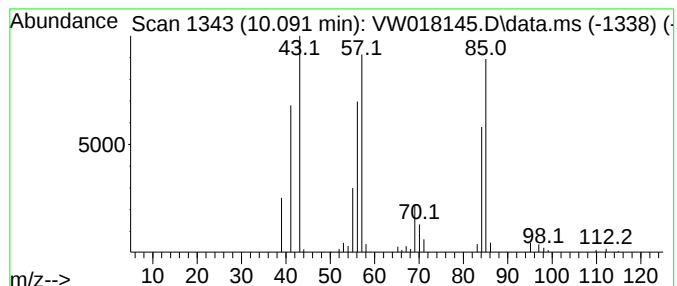
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Quant Title : VOC Analysis

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

Peak Number 16 Butanoic acid, 3-methyl-, h... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.091	4.57 ug/L	137034	1,4-Difluorobenzene	8.841

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 3-methyl-, hexyl ...	186	C11H22O2	010032-13-0	64
2			Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	64
3			Heptane, 3-methyl-	114	C8H18	000589-81-1	64
4			Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	59
5			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

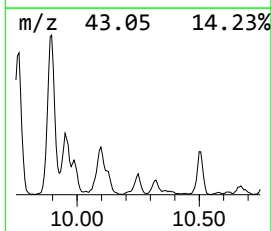
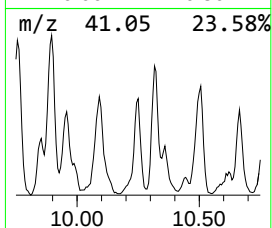
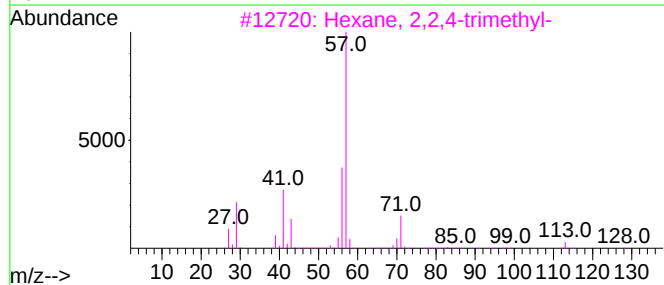
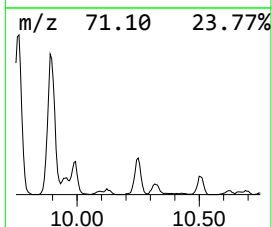
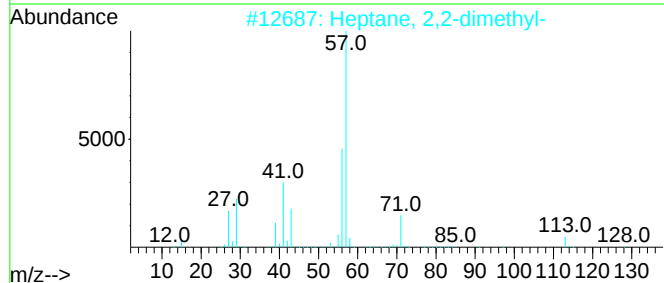
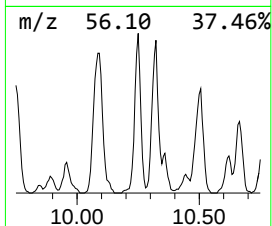
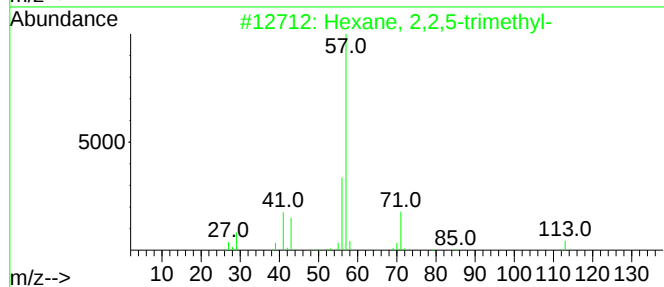
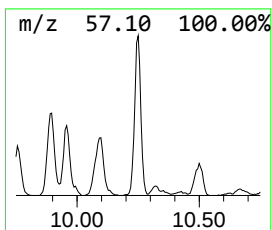
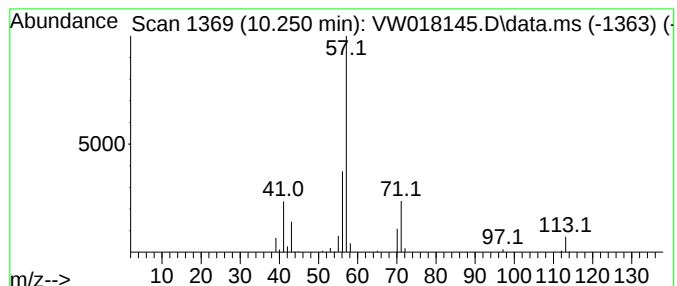
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.250	3.73 ug/L	93971	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	64
2			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	64
3			Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
5			Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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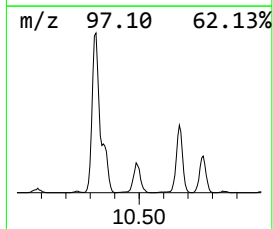
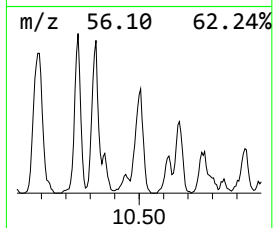
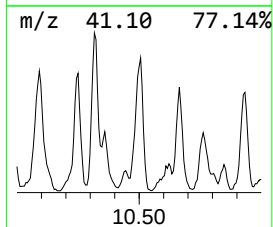
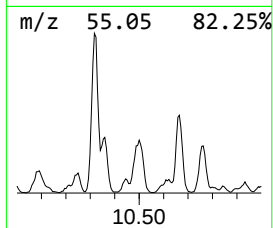
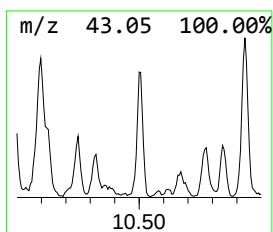
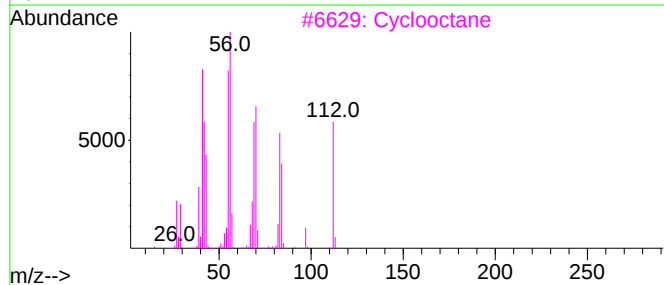
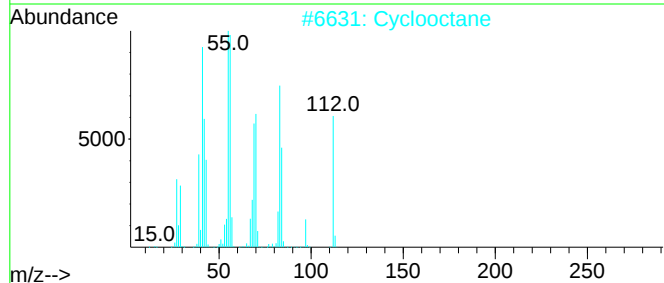
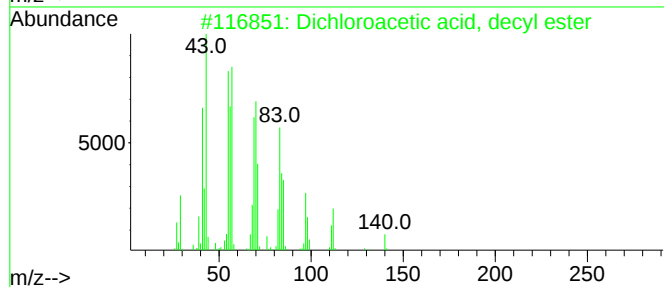
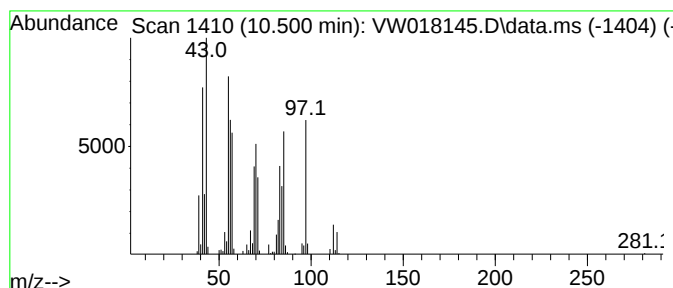
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Quant Title : VOC Analysis

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

Peak Number 18 Dichloroacetic acid, decyl ... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.500	5.92 ug/L	148896	Chlorobenzene-d5	11.628

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dichloroacetic acid, decyl ester	268	C12H22Cl2O2	083005-00-9	64
2		Cyclooctane	112	C8H16	000292-64-8	60
3		Cyclooctane	112	C8H16	000292-64-8	55
4		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	52
5		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

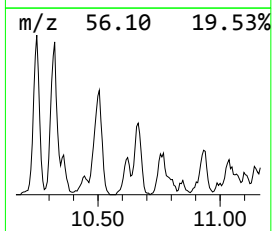
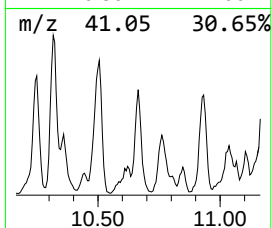
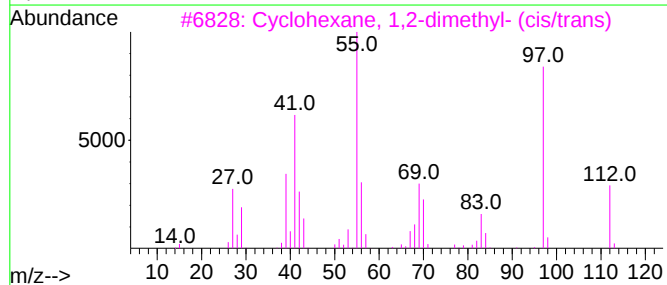
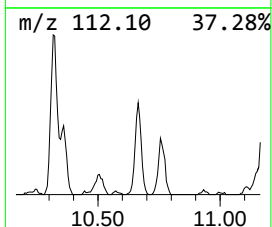
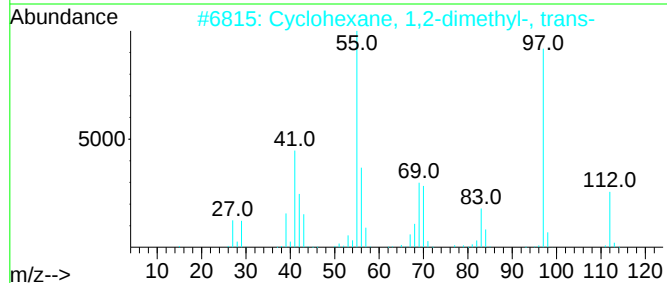
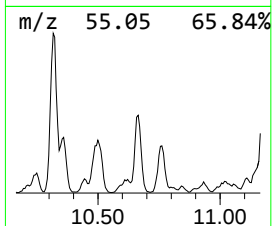
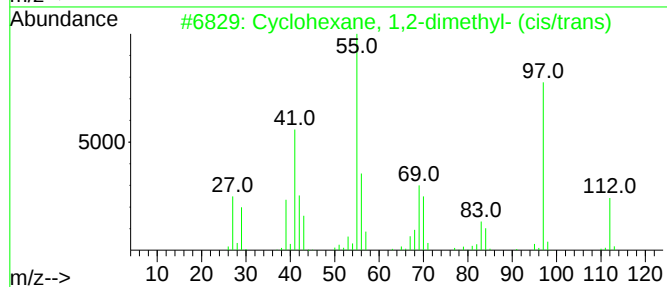
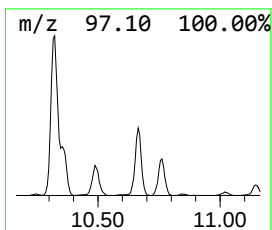
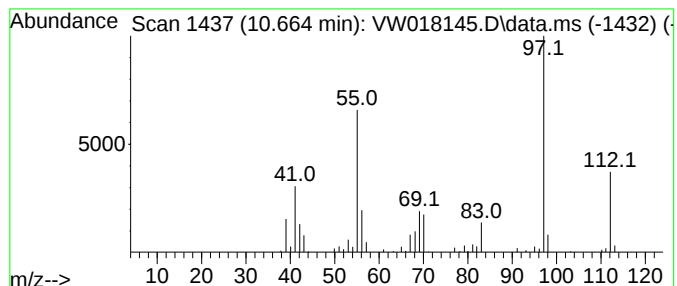
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Quant Title : VOC Analysis

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

Peak Number 19 (DEL) Alkane: Cyclic10.664 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.664	4.58 ug/L	115271	Chlorobenzene-d5	11.628

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

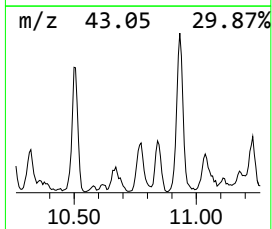
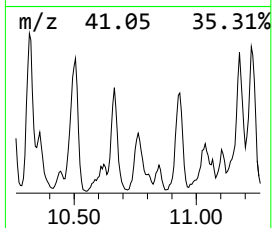
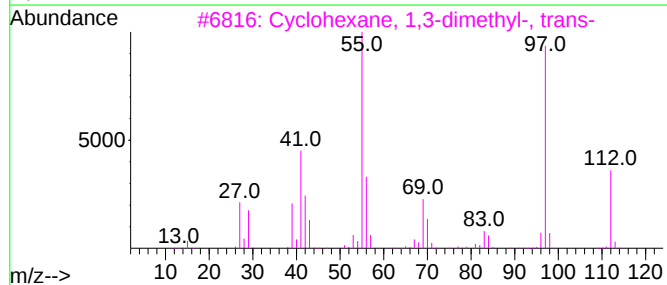
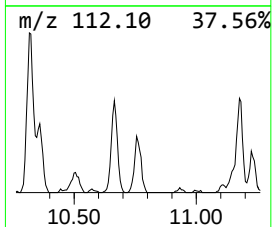
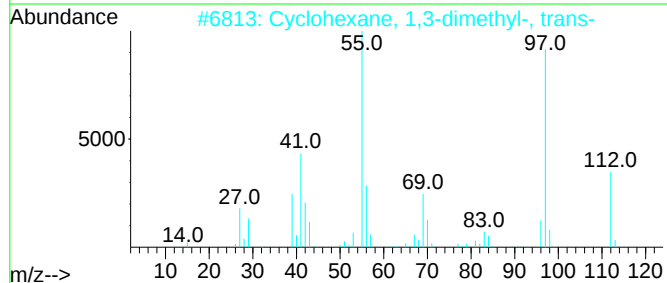
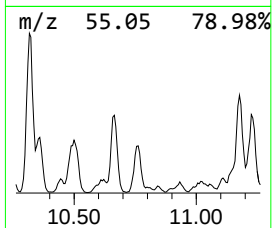
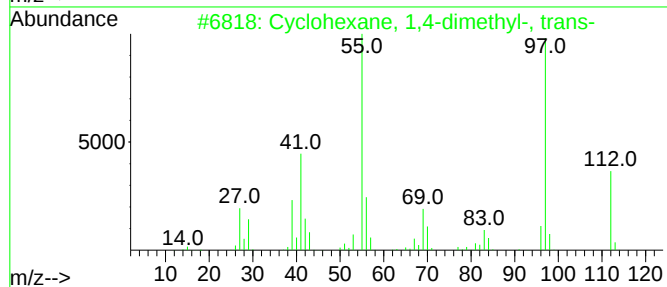
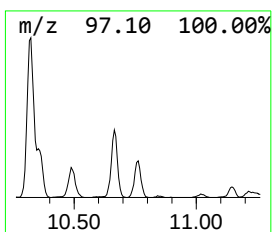
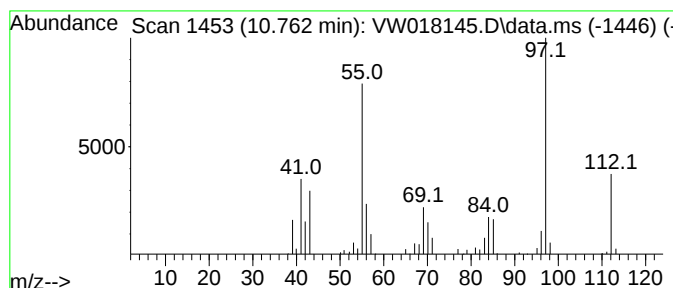
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Cyclic10.762 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.762	3.21 ug/L	80785	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

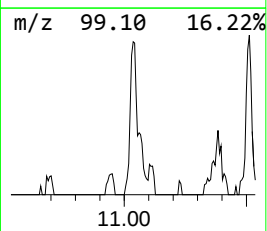
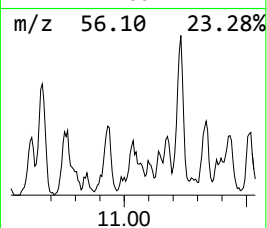
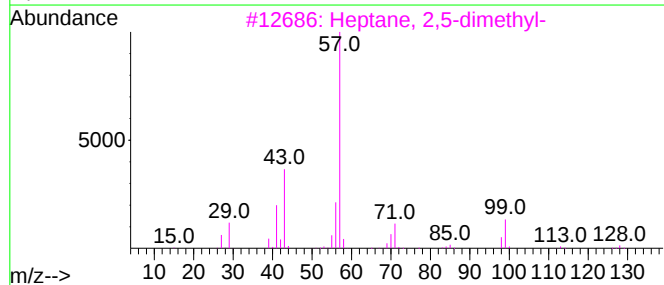
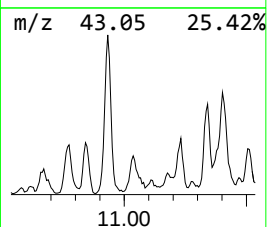
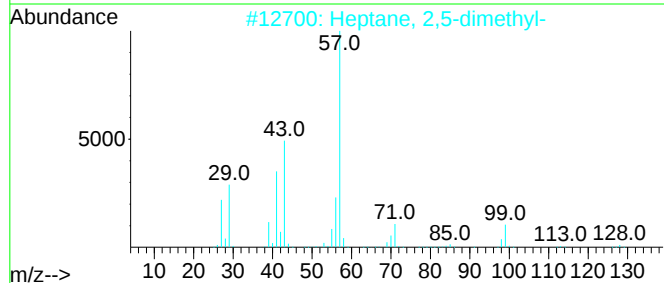
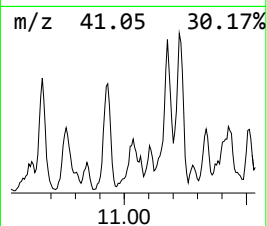
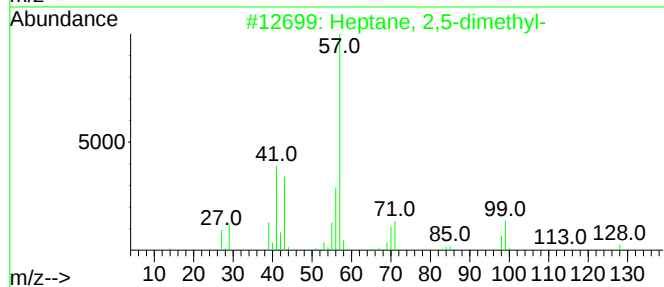
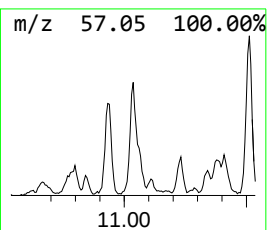
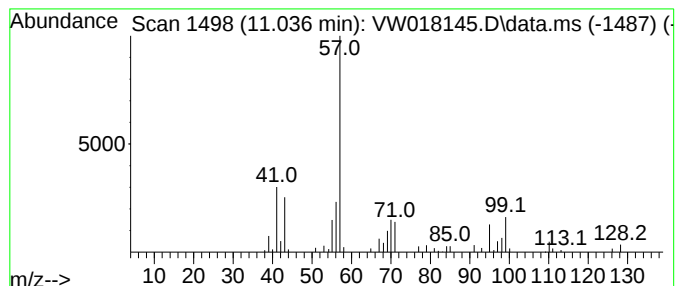
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.036	3.37 ug/L	84753	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
2			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	64
3			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
4			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50
5			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

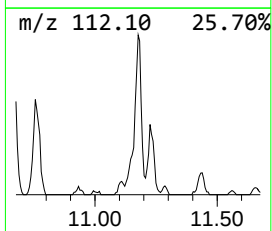
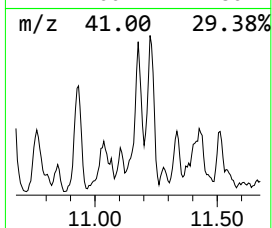
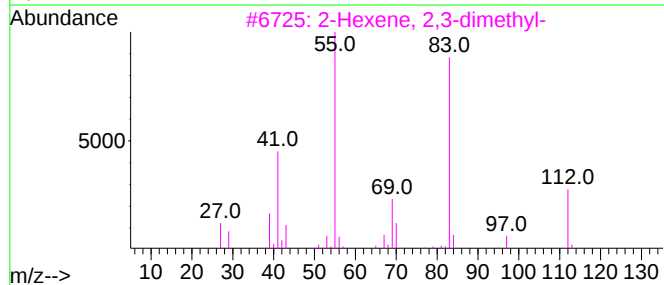
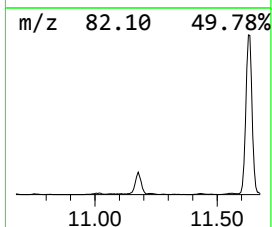
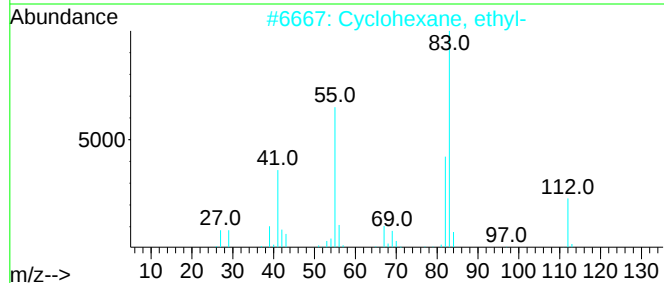
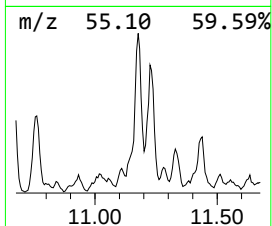
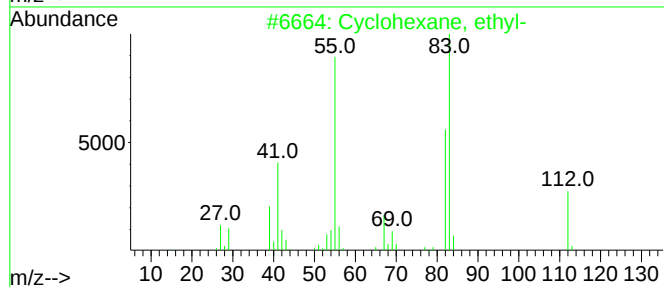
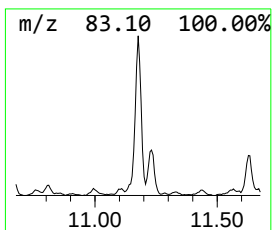
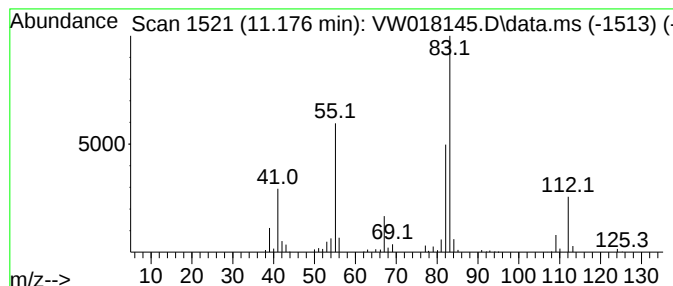
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Cyclic11.176 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.176	6.08 ug/L	152911	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53
4			3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53
5			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

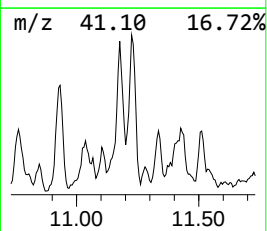
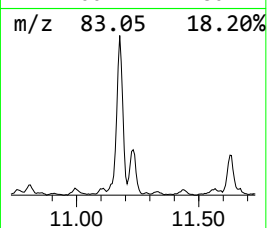
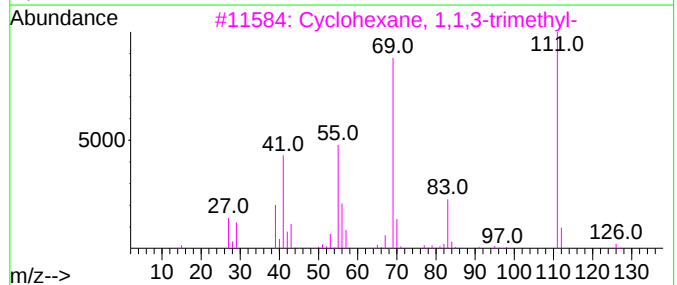
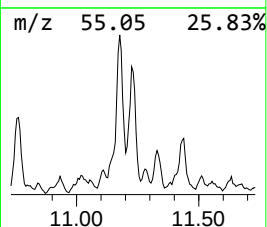
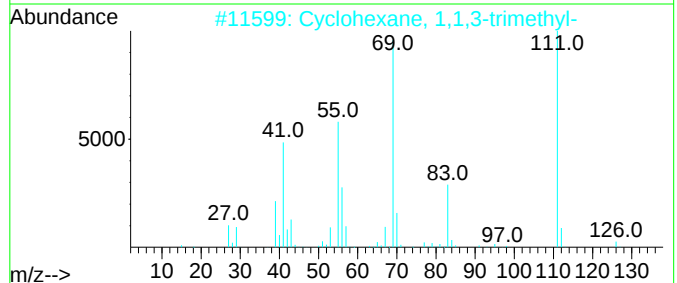
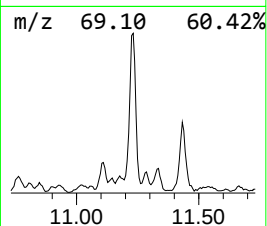
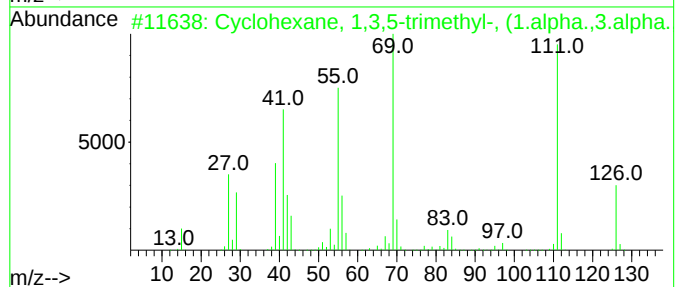
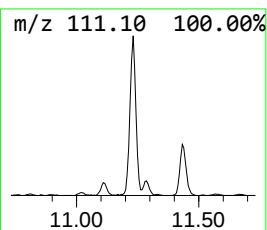
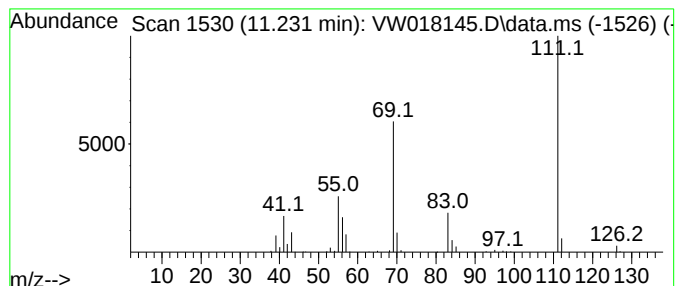
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Cyclic11.231 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	6.36 ug/L	159934	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	78
2			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
3			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	64
4			Benzenamine, 2-fluoro-	111	C6H6FN	000348-54-9	53
5			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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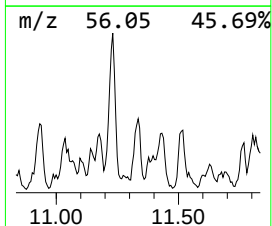
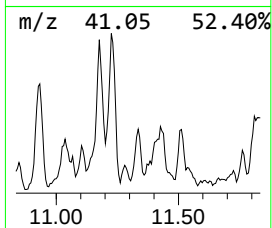
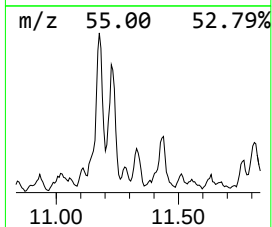
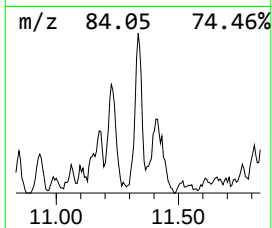
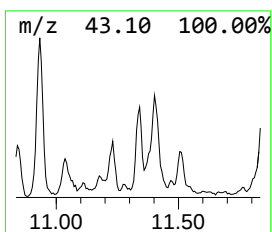
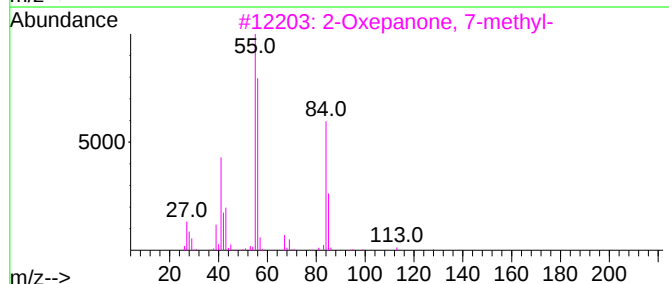
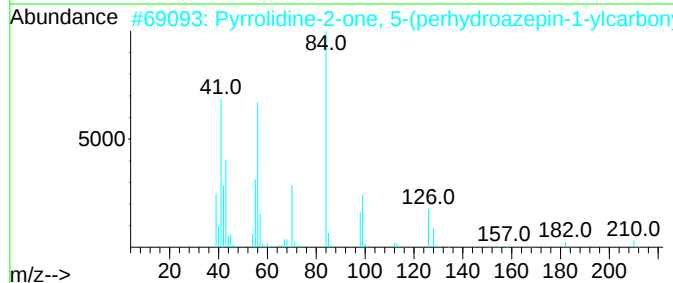
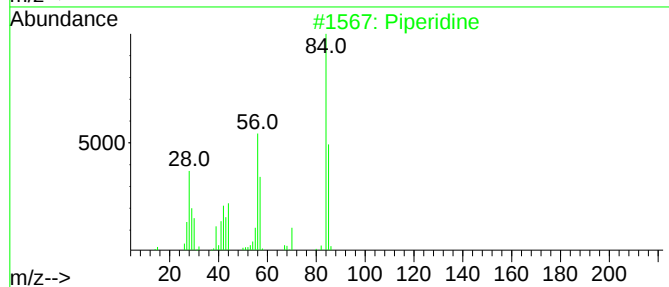
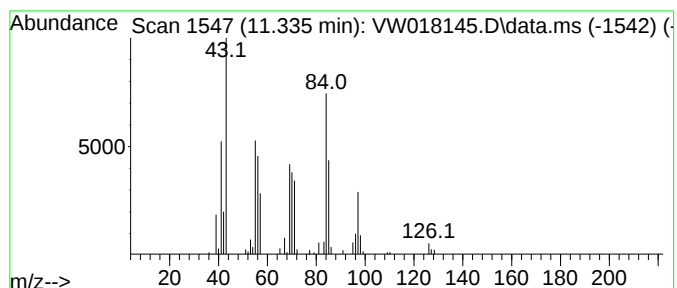
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Quant Title : VOC Analysis

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

Peak Number 24 unknown-01 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.335	1.78 ug/L	44743	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Piperidine	85	C5H11N	000110-89-4	47
2			Pyrrolidine-2-one, 5-(perhydroaz...	210	C11H18N2O2	1000260-38-7	47
3			2-Oxepanone, 7-methyl-	128	C7H12O2	002549-59-9	43
4			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	43
5			1-Silacyclo-3-pentene	84	C4H8Si	007049-25-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

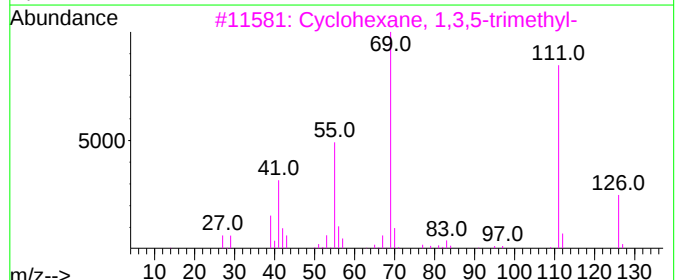
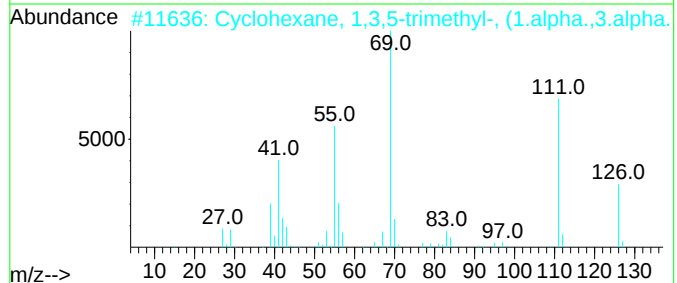
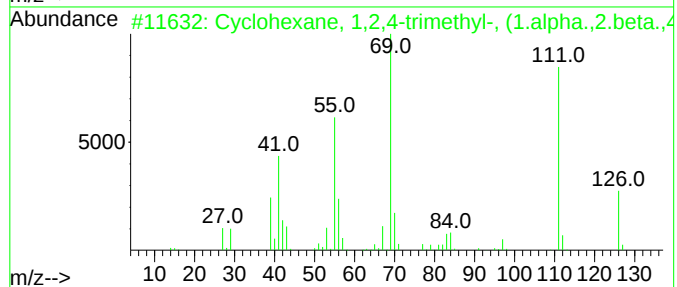
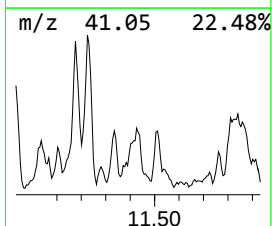
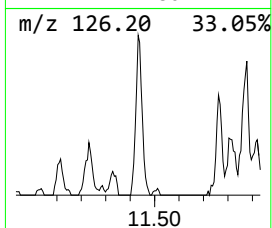
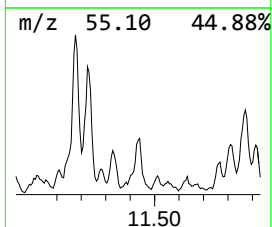
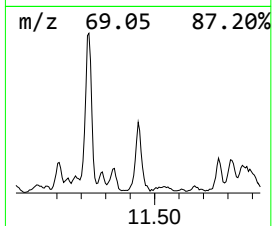
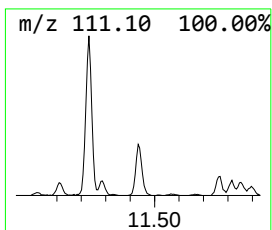
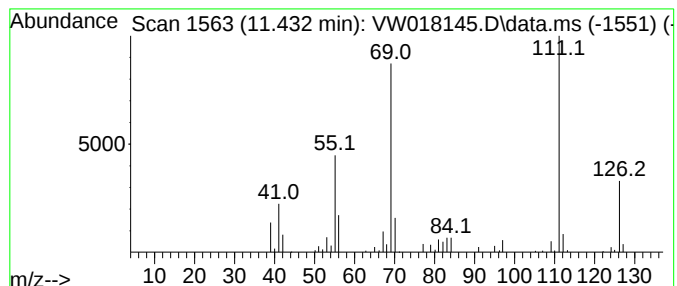
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Cyclic11.432 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.432	3.85 ug/L	96789	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
4			Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

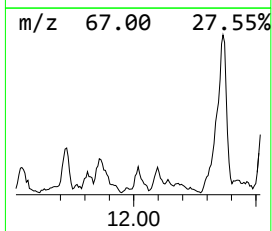
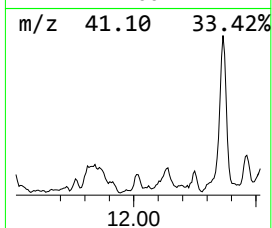
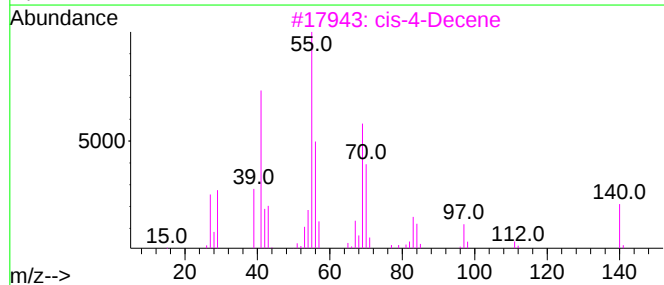
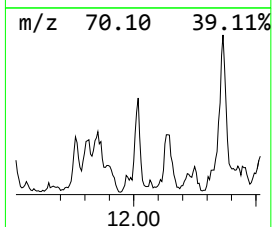
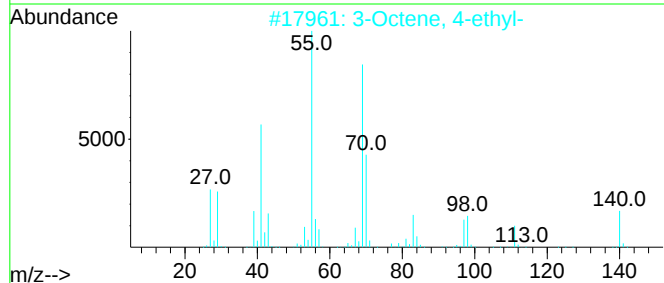
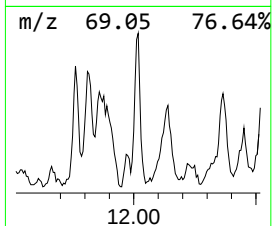
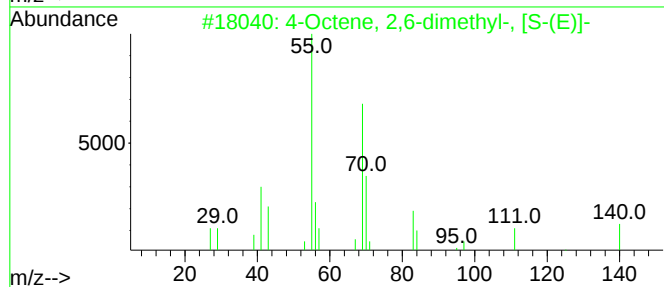
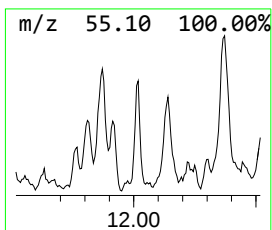
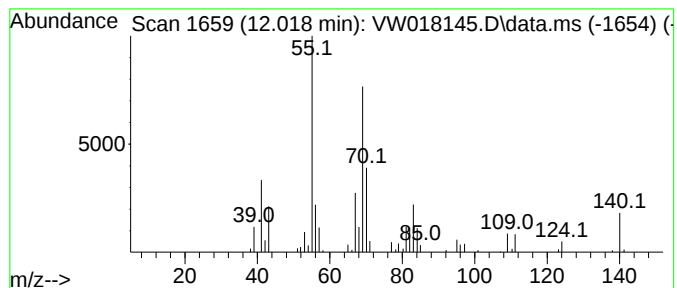
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ClientSampleId :
DBGZ0RE

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Quant Title : VOC Analysis

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

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.018	1.78 ug/L	44691	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	90
2	3-Octene, 4-ethyl-	140	C10H20	053966-51-1	72
3	cis-4-Decene	140	C10H20	019398-88-0	64
4	2-Nonene, 2-methyl-	140	C10H20	002129-95-5	47
5	3-Ethyl-3-octene	140	C10H20	019781-31-8	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

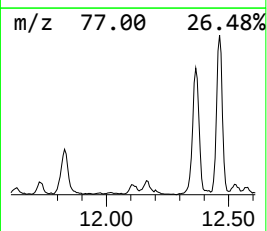
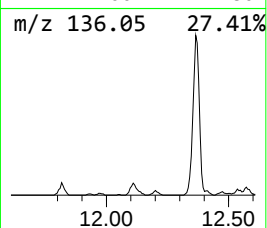
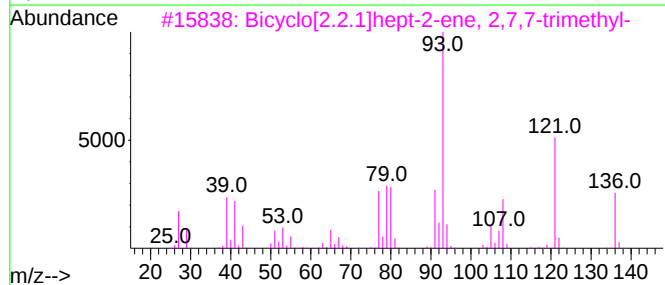
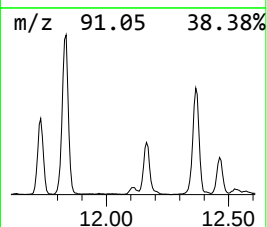
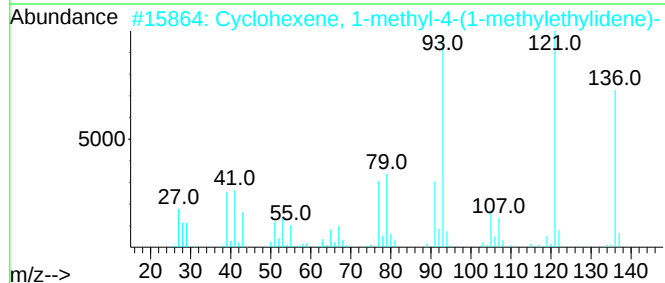
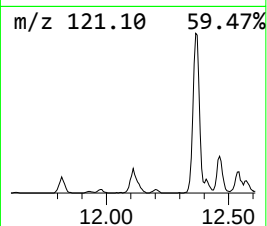
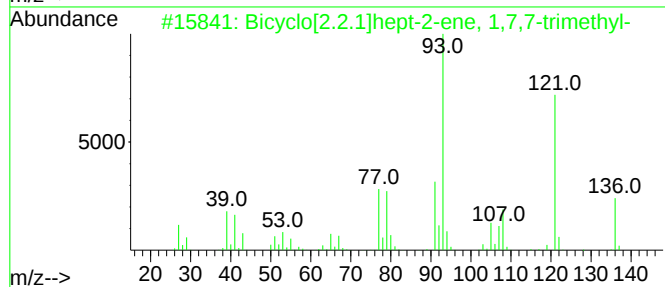
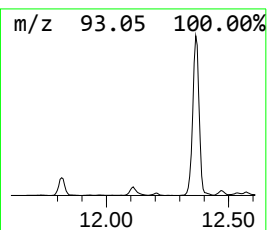
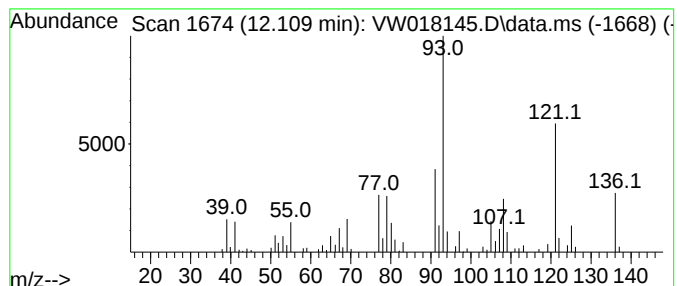
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Quant Title : VOC Analysis

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

Peak Number 27 Bicyclo[2.2.1]hept-2-ene, 1... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.109	1.87 ug/L	46977	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	94
2			Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	92
3			Bicyclo[2.2.1]hept-2-ene, 2,7,7-...	136	C10H16	000514-14-7	91
4			(+)-2-Carene	136	C10H16	1000149-94-6	89
5			(+)-4-Carene	136	C10H16	029050-33-7	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

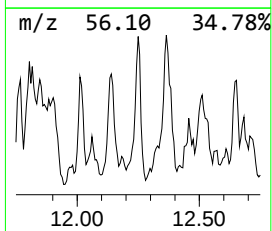
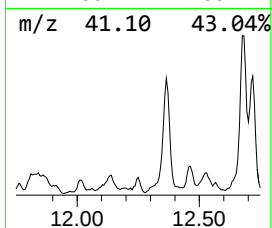
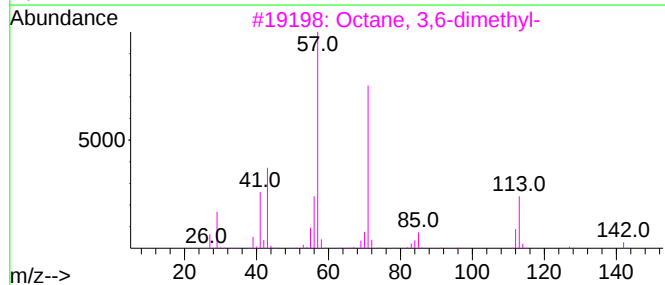
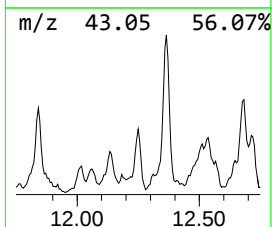
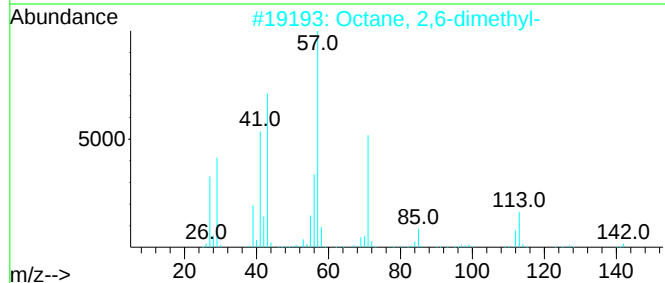
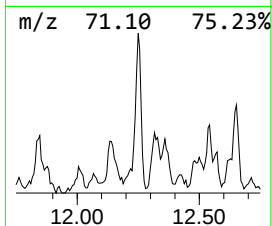
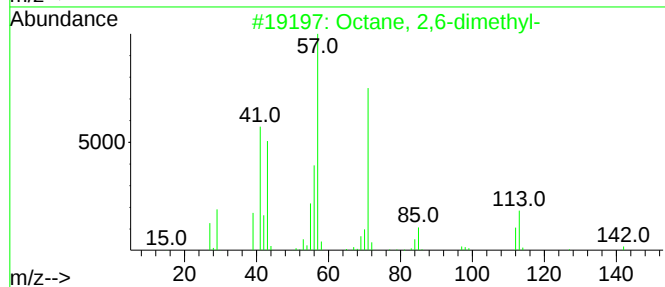
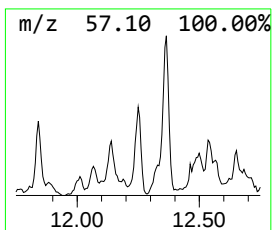
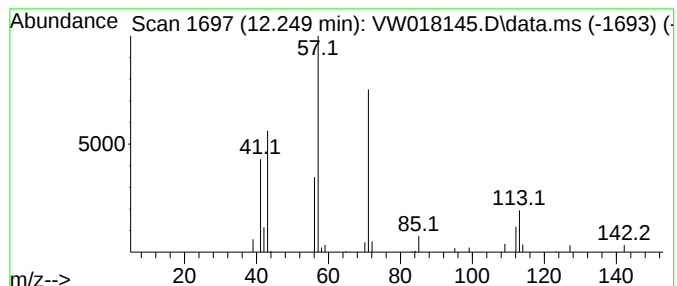
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Quant Title : VOC Analysis

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

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	1.59 ug/L	40085	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	78
5			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

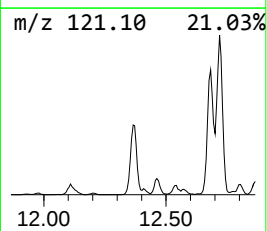
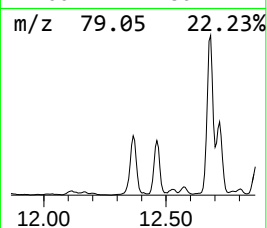
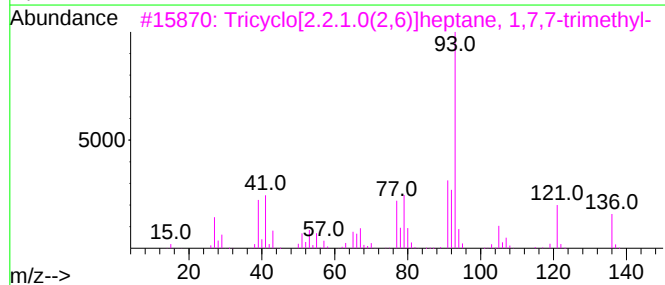
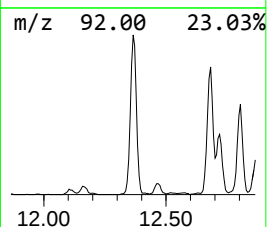
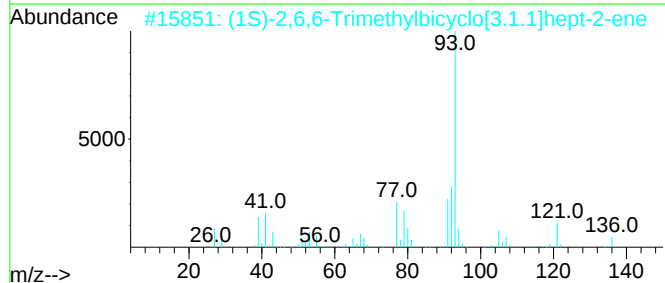
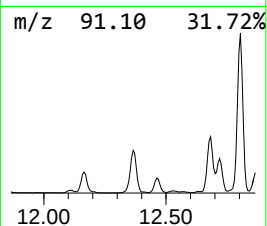
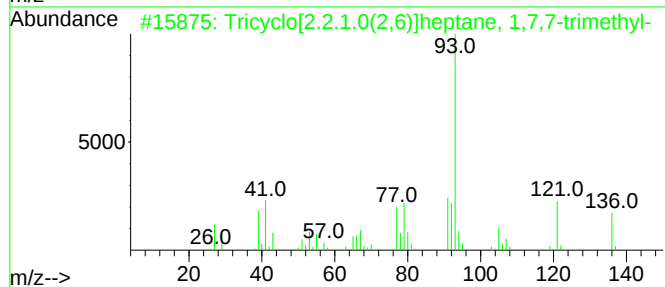
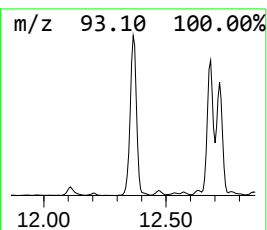
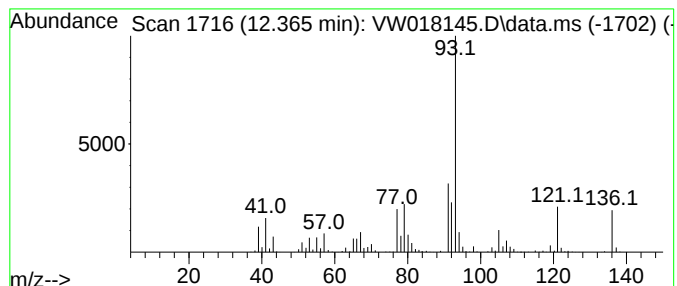
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Quant Title : VOC Analysis

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

Peak Number 29 Tricyclo[2.2.1.0(2,6)]hepta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.365	36.92 ug/L	929014	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	96
2			(1S)-2,6,6-Trimethylbicyclo[3.1...	136	C10H16	007785-26-4	95
3			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	95
4			Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	94
5			(+)-3-Carene	136	C10H16	000498-15-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

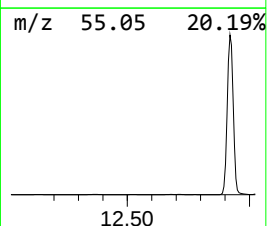
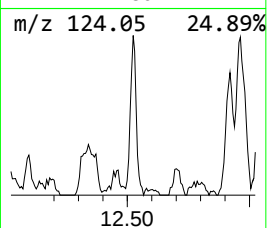
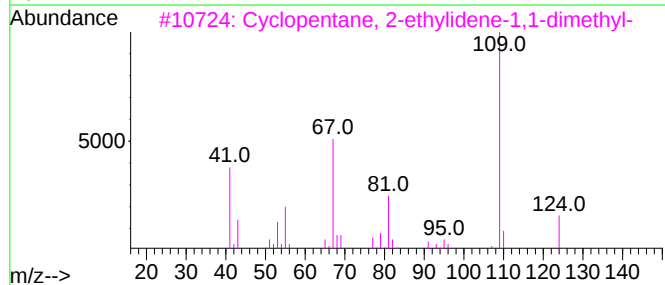
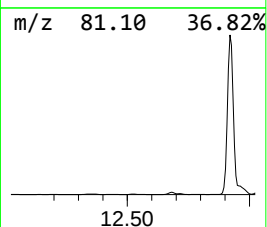
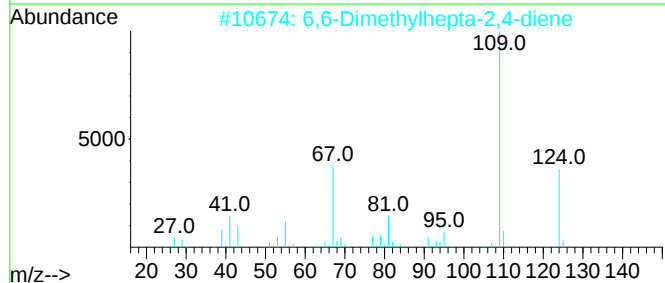
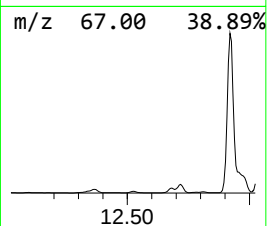
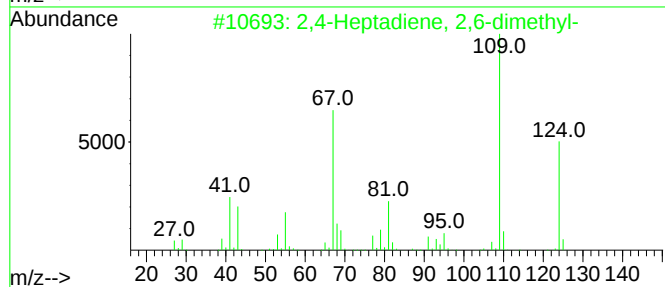
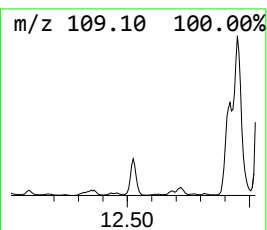
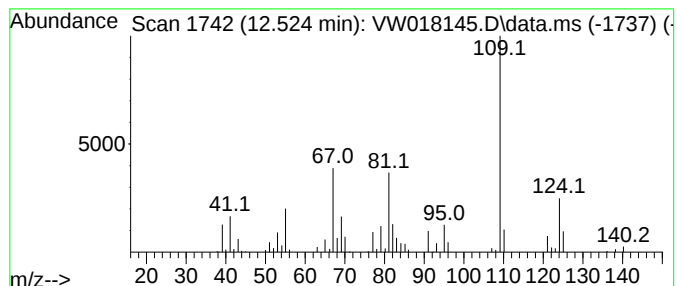
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Quant Title : VOC Analysis

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

Peak Number 30 2,4-Heptadiene, 2,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.524	6.27 ug/L	157797	Chlorobenzene-d5	11.628

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,4-Heptadiene, 2,6-dimethyl-	124	C9H16	004634-87-1	80
2			6,6-Dimethylhepta-2,4-diene	124	C9H16	1000195-03-3	64
3			Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	64
4			3,3,5,5-Tetramethylcyclopentene	124	C9H16	038667-10-6	53
5			3-Heptyne, 5-ethyl-5-methyl-	138	C10H18	061228-10-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

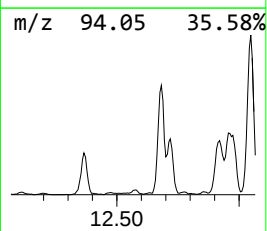
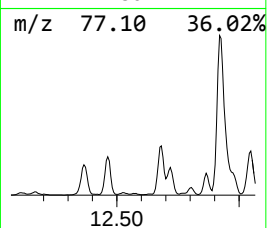
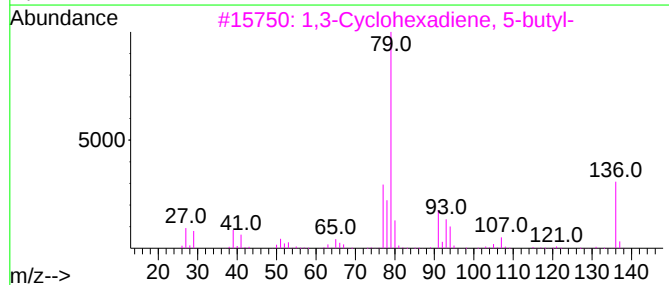
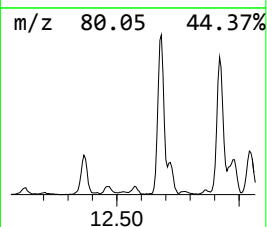
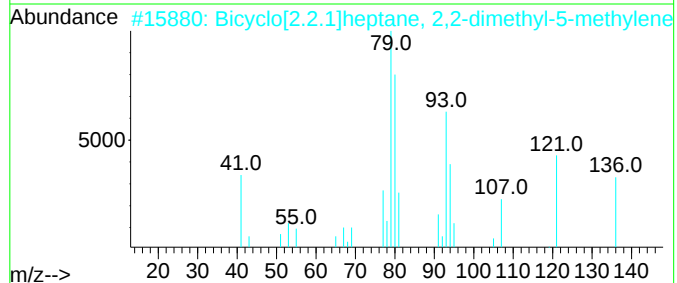
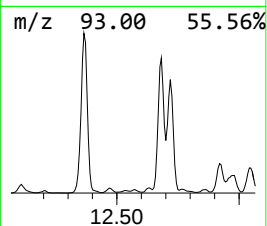
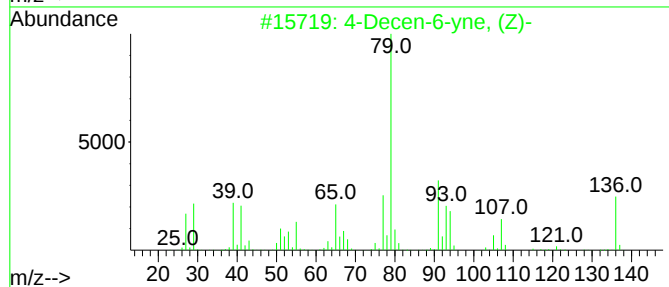
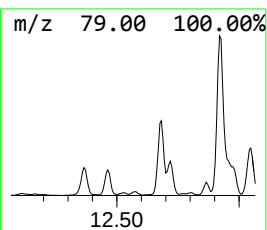
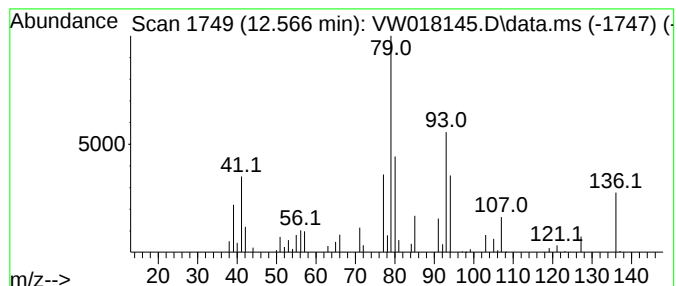
Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 31 4-Decen-6-yne, (Z)- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.566	1.85 ug/L	46622	Chlorobenzene-d5	11.628	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decen-6-yne, (Z)-	136	C10H16	013343-76-5	50
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	000497-32-5	50
3	1,3-Cyclohexadiene, 5-butyl-	136	C10H16	030168-57-1	49
4	4-Decen-6-yne, (E)-	136	C10H16	013343-77-6	47
5	(3E,6E)-Nona-3,6-dienyl 2-methyl...	224	C14H24O2	1000366-95-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

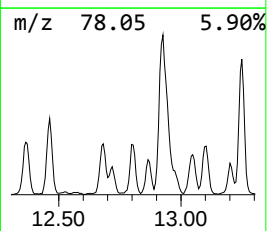
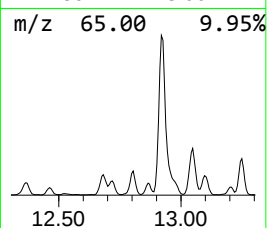
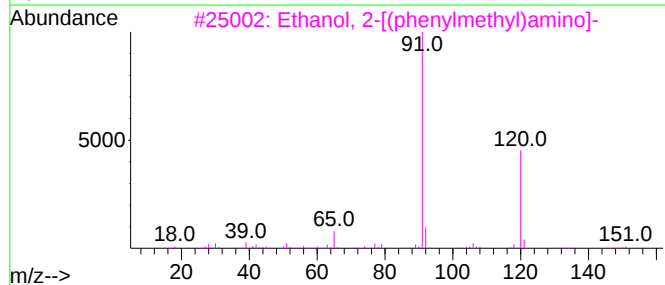
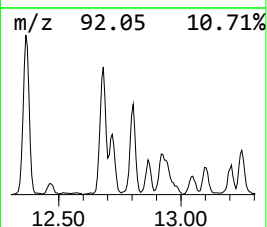
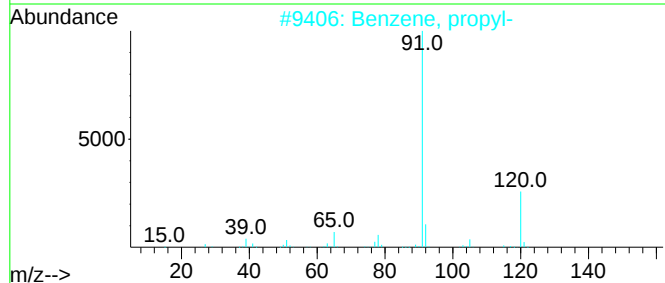
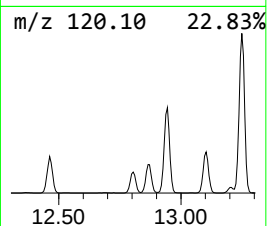
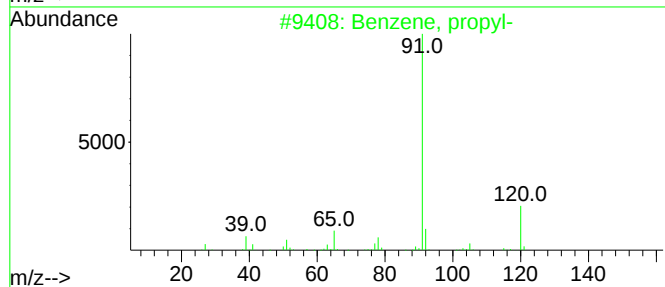
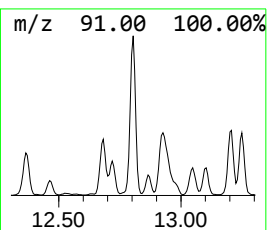
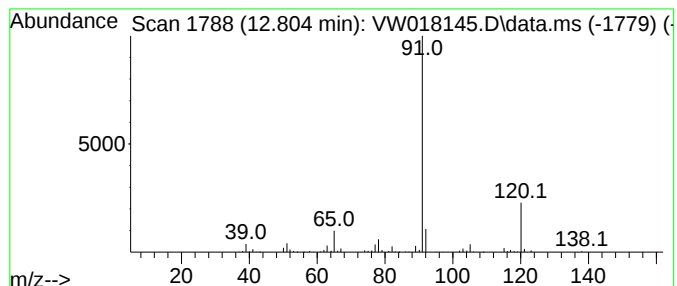
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Quant Title : VOC Analysis

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

Peak Number 32 Benzene, propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.804	10.70 ug/L	497765	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, propyl-	120	C9H12	000103-65-1	87
2			Benzene, propyl-	120	C9H12	000103-65-1	83
3			Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64
4			Propanenitrile, 3-[(phenylmethyl)...	160	C10H12N2	000706-03-6	64
5			Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

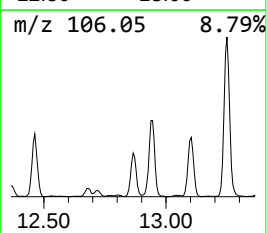
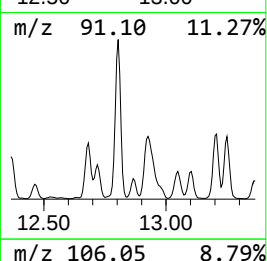
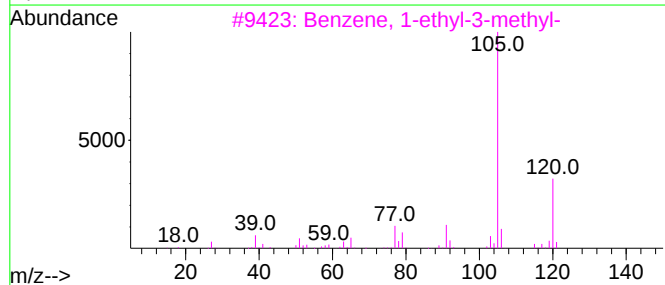
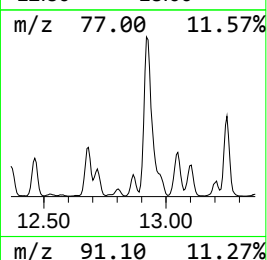
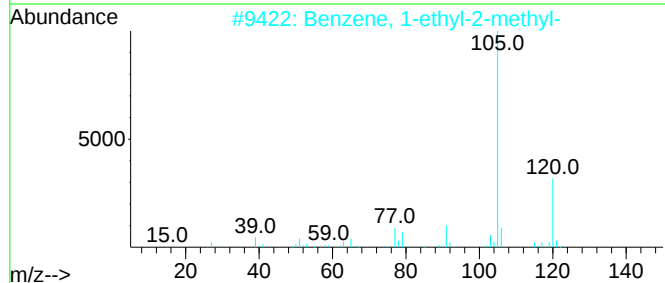
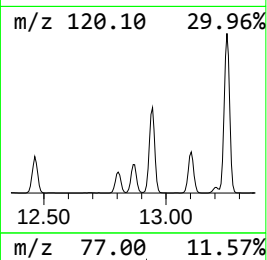
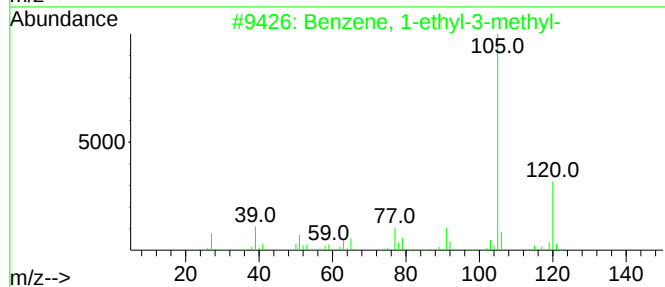
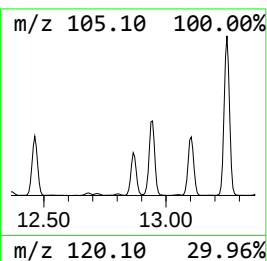
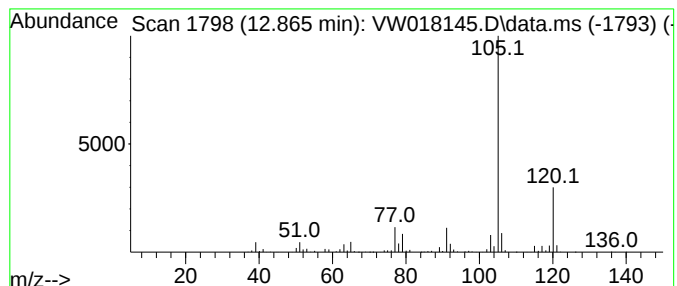
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.865	11.29 ug/L	525334	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

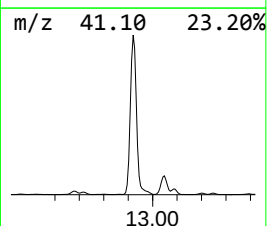
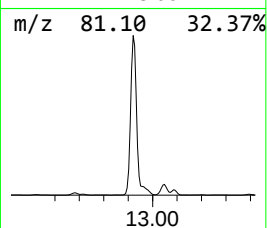
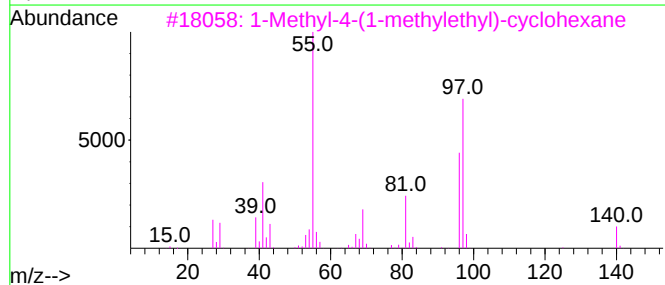
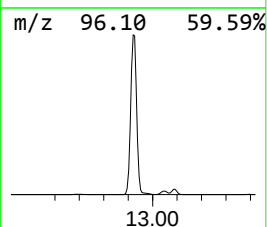
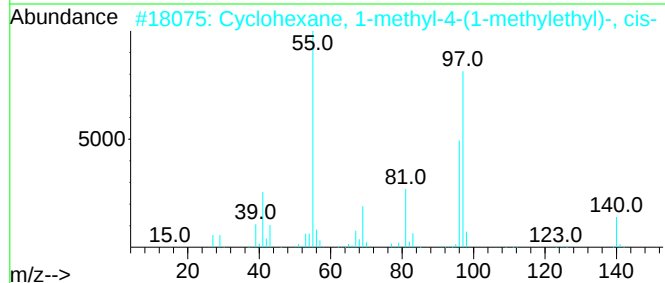
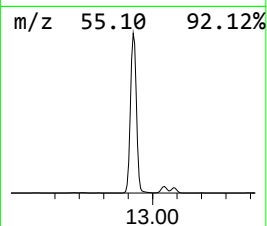
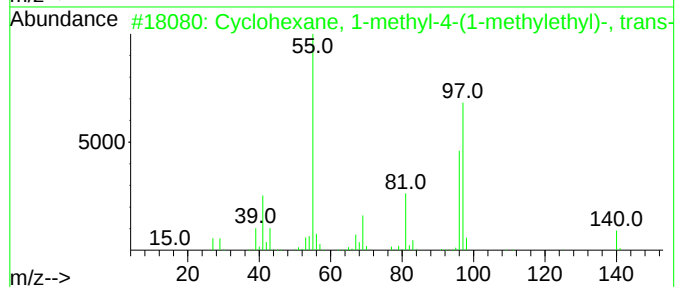
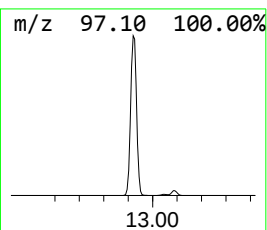
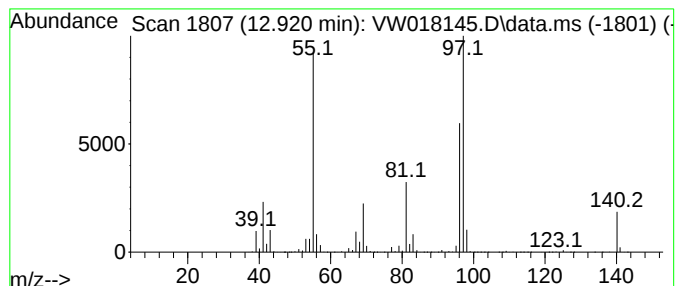
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Quant Title : VOC Analysis

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

Peak Number 34 (DEL) Alkane: Cyclic12.920 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.920	829.91 ug/L	38601700	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	96
2			Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	96
3			1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	91
4			m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	91
5			Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

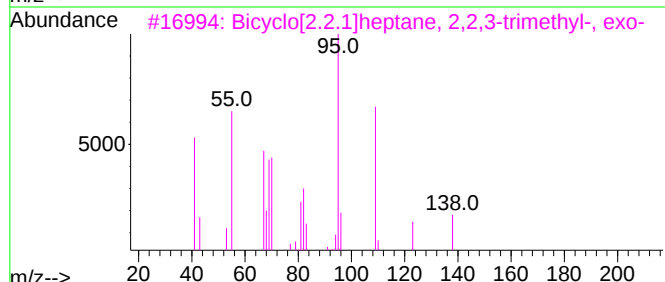
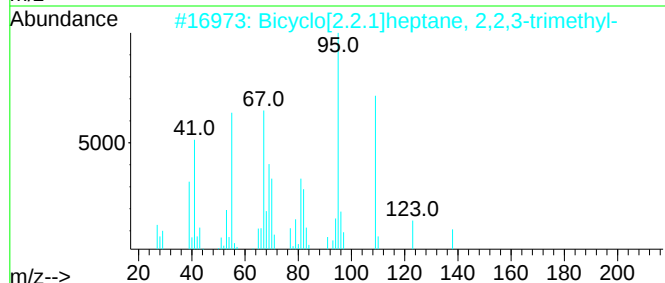
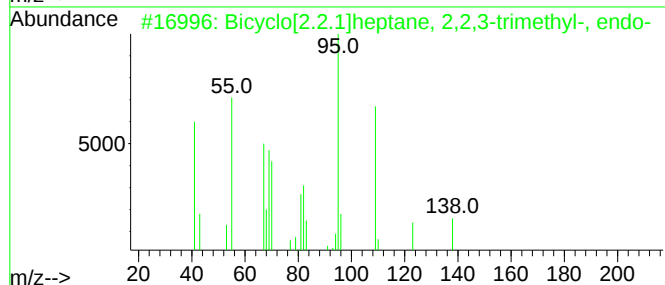
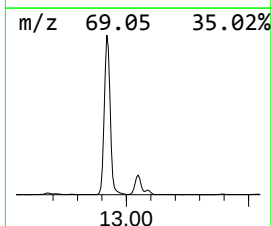
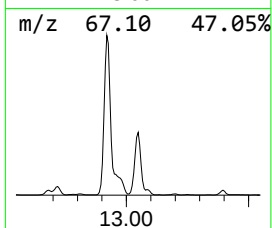
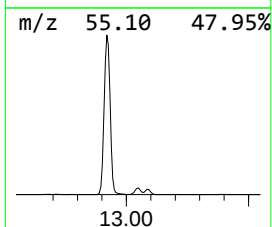
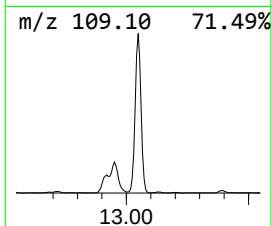
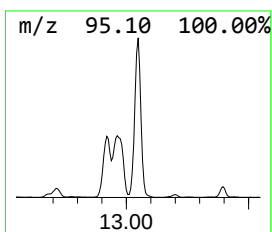
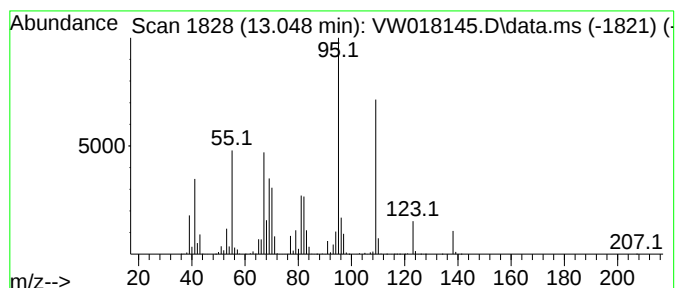
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Quant Title : VOC Analysis

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

Peak Number 35 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.048	90.36 ug/L	4202920	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	96
2			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	94
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	93
4			Cyclopentene, 1,4-dimethyl-5-(1-...	138	C10H18	061142-33-4	49
5			1-(1,2-Dimethyl-cyclopent-2-enyl...	138	C9H14O	070987-82-5	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

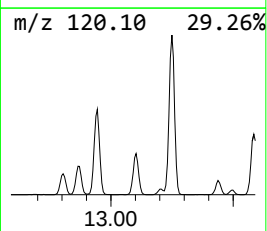
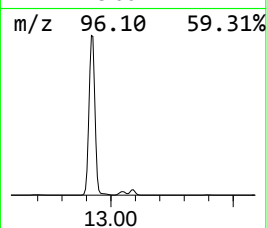
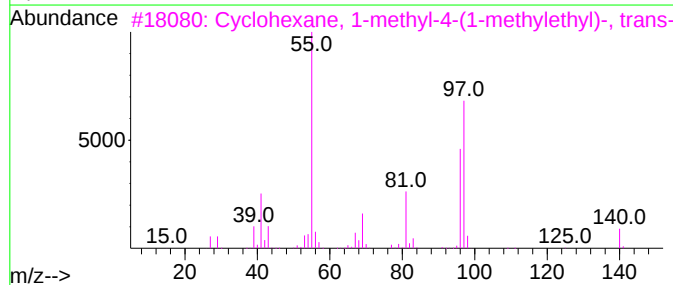
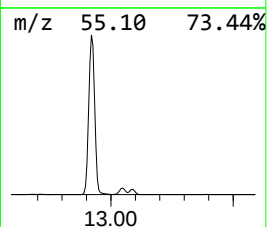
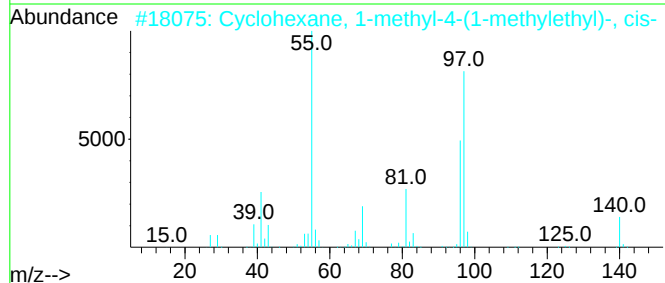
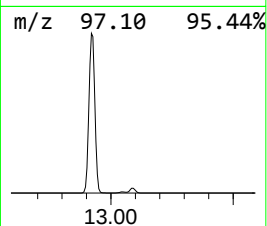
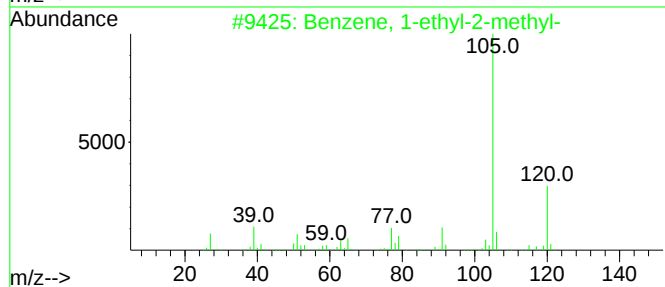
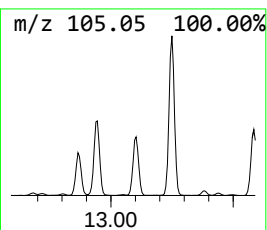
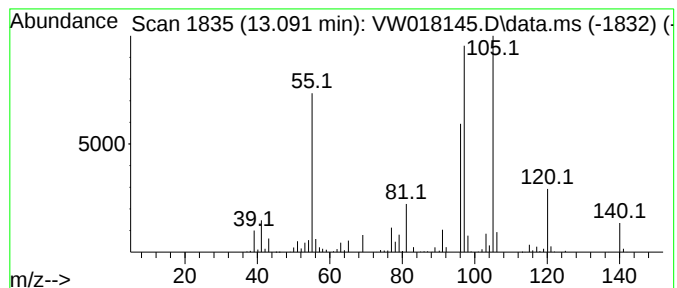
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Quant Title : VOC Analysis

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

Peak Number 36 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.091	36.29 ug/L	1687850	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	60
2			Cyclohexane, 1-methyl-4-(1-methyl-2-ethyl)-, cis-	140	C10H20	006069-98-3	58
3			Cyclohexane, 1-methyl-4-(1-methyl-2-ethyl)-, trans-	140	C10H20	001678-82-6	58
4			1-Methyl-4-(1-methylethyl)-cyclohexane	140	C10H20	000099-82-1	47
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

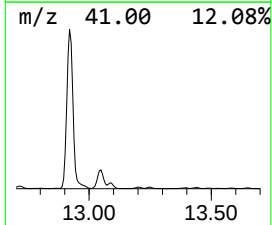
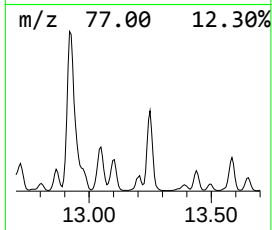
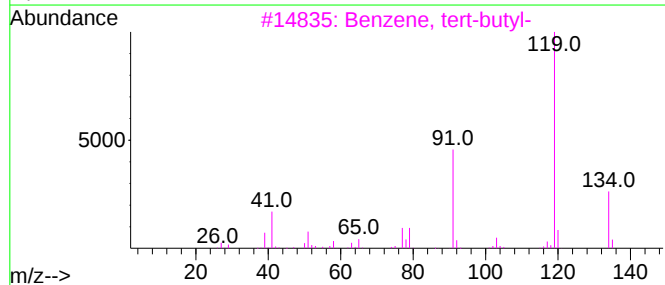
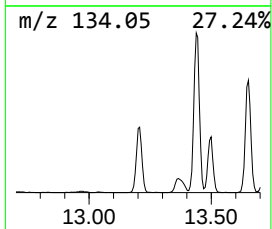
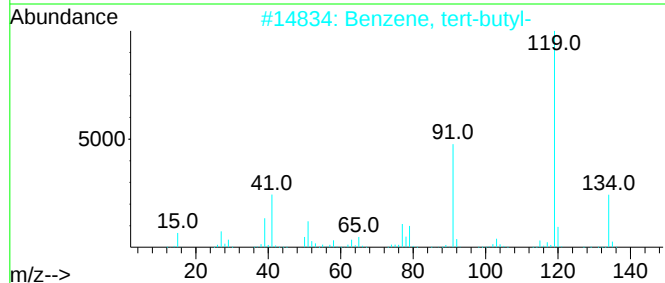
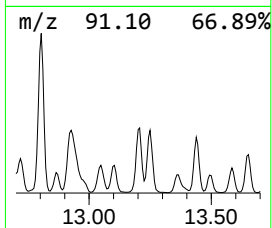
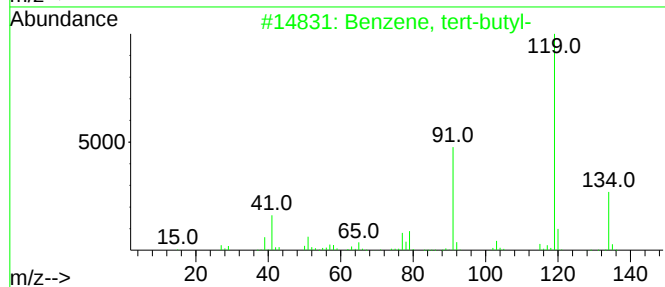
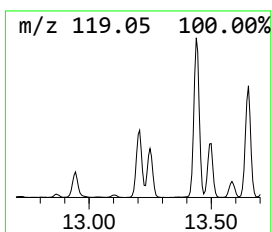
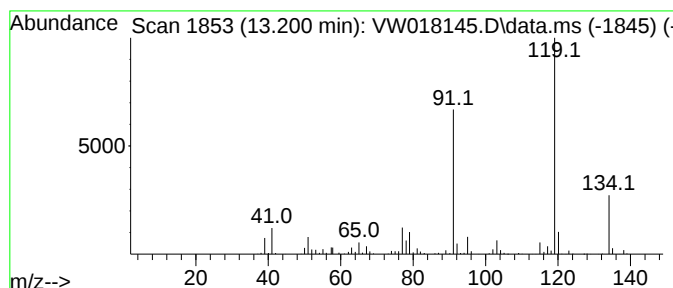
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Quant Title : VOC Analysis

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

Peak Number 37 Benzene, tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.201	11.11 ug/L	516944	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, tert-butyl-	134	C10H14	000098-06-6	97
2			Benzene, tert-butyl-	134	C10H14	000098-06-6	94
3			Benzene, tert-butyl-	134	C10H14	000098-06-6	94
4			o-Cymene	134	C10H14	000527-84-4	83
5			p-Cymene	134	C10H14	000099-87-6	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

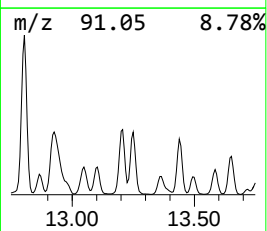
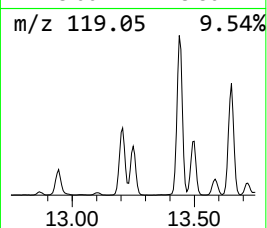
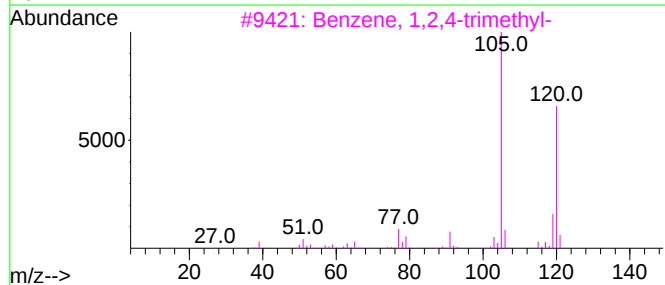
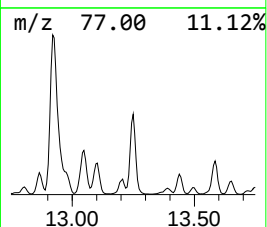
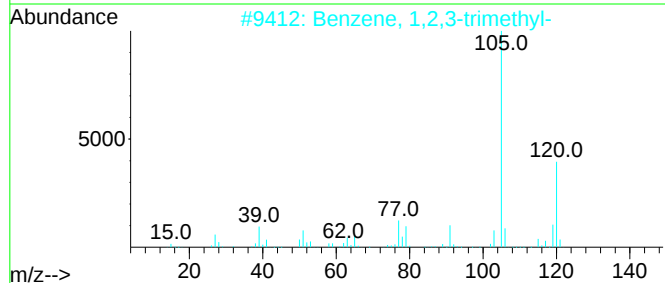
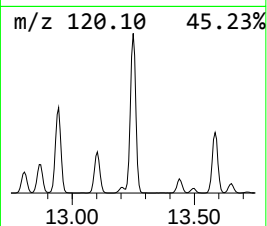
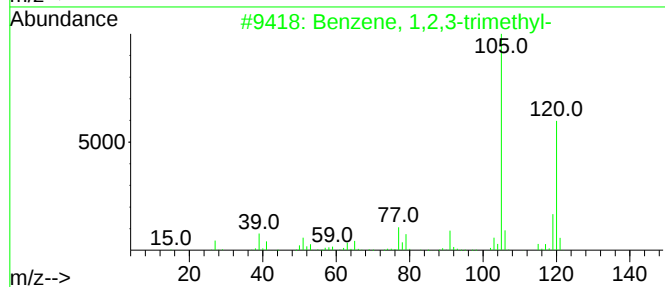
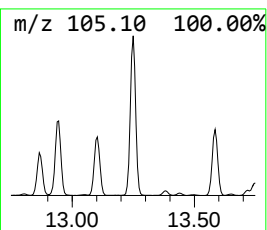
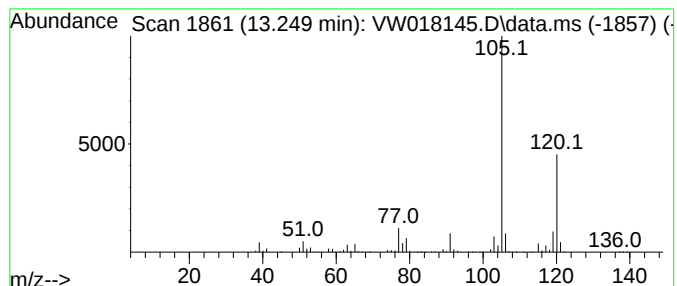
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.249	43.34 ug/L	2016050	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

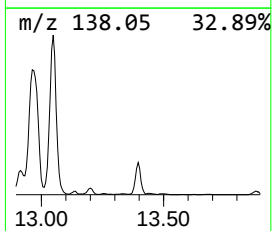
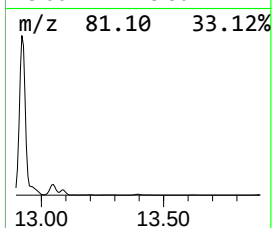
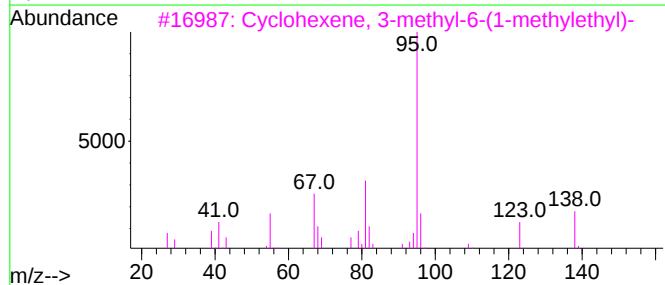
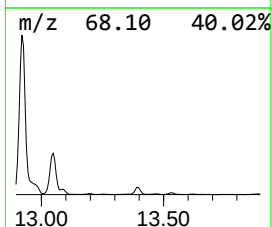
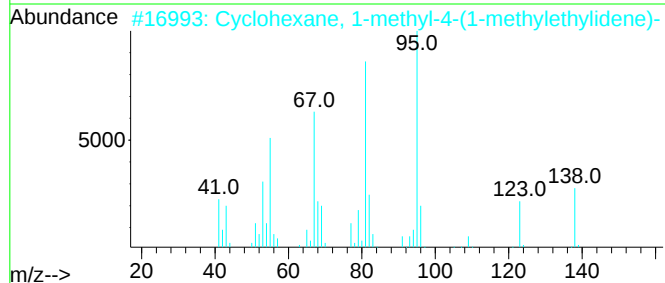
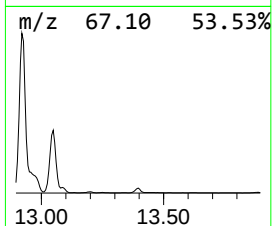
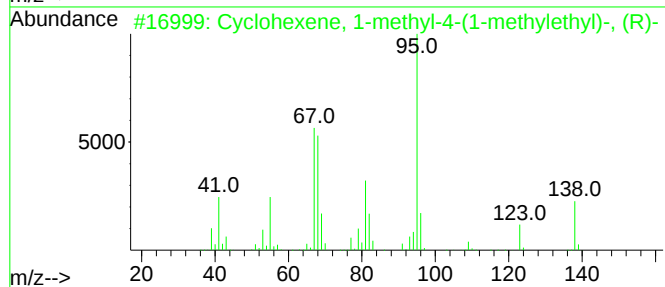
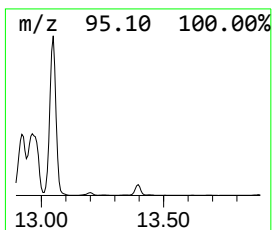
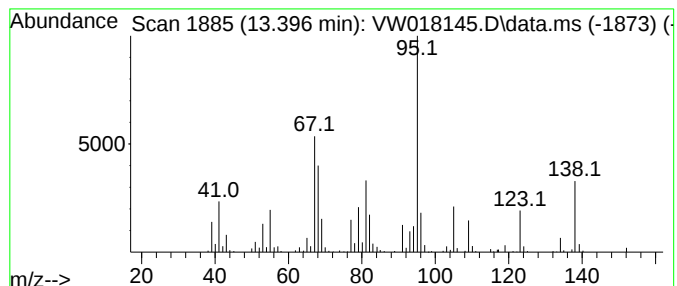
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Quant Title : VOC Analysis

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

Peak Number 39 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.396	7.92 ug/L	368582	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	93
2			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	81
3			Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	76
4			Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	76
5			Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

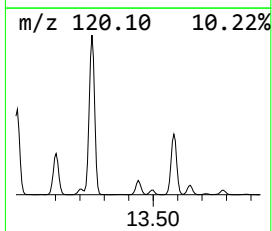
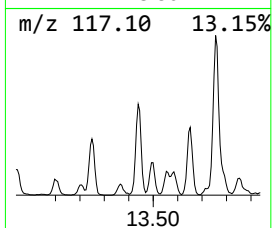
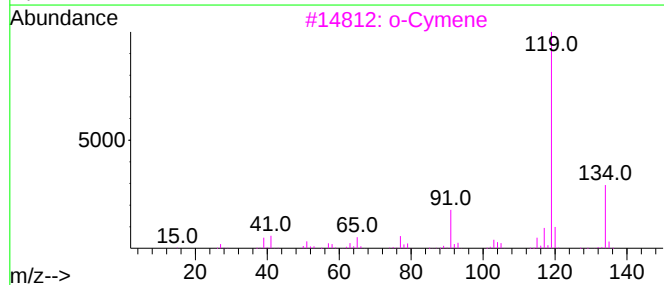
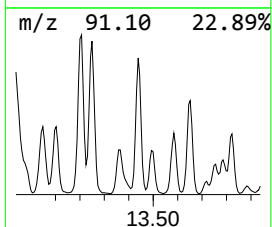
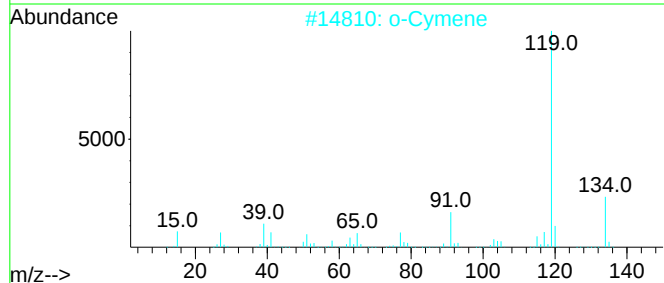
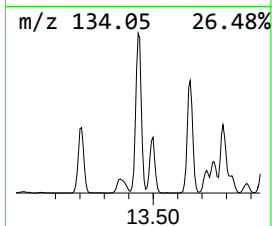
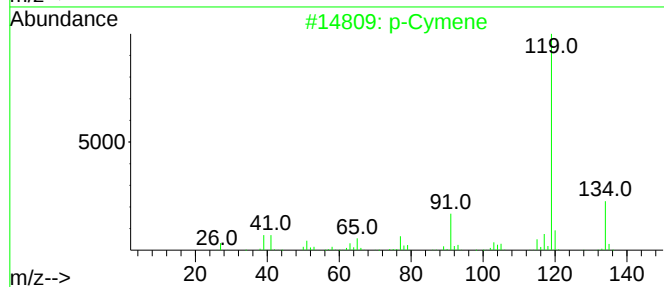
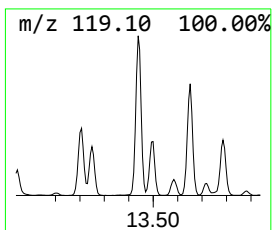
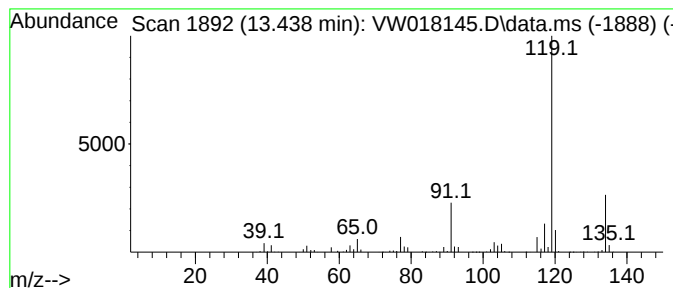
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Quant Title : VOC Analysis

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

Peak Number 40 p-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.438	16.74 ug/L	778436	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	97
2			o-Cymene	134	C10H14	000527-84-4	97
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			o-Cymene	134	C10H14	000527-84-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

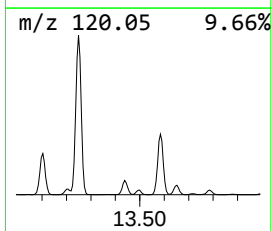
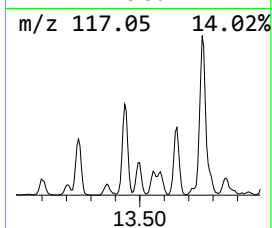
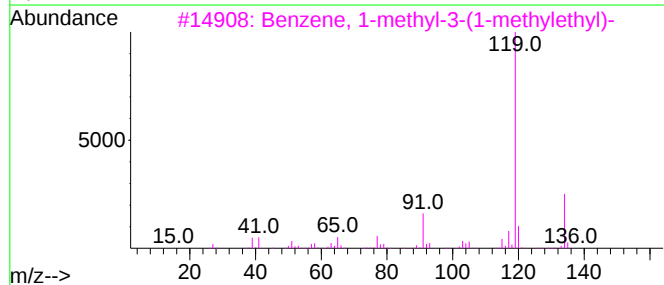
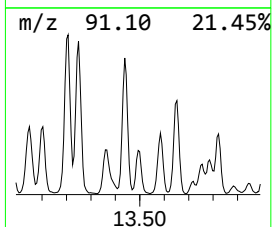
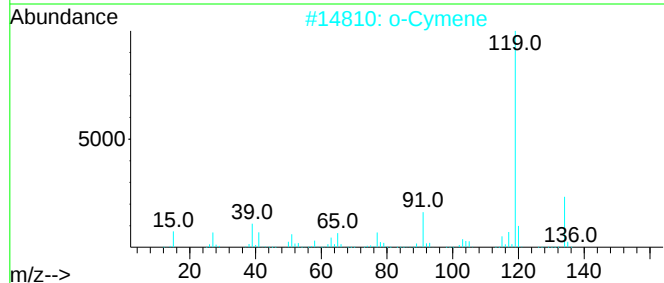
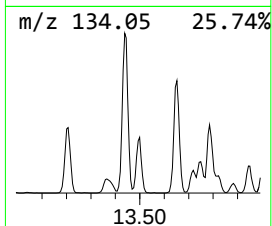
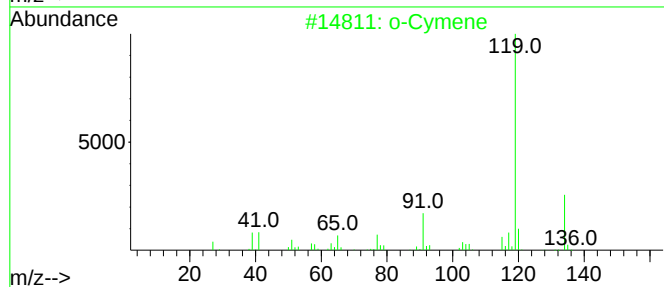
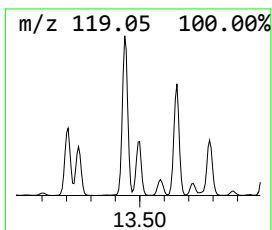
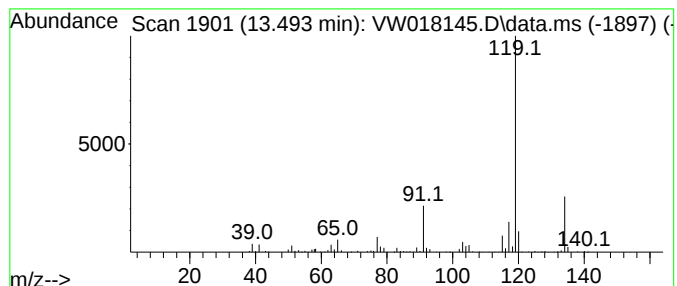
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Quant Title : VOC Analysis

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

Peak Number 41 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.493	6.14 ug/L	285819	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			o-Cymene	134	C10H14	000527-84-4	97
3			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			p-Cymene	134	C10H14	000099-87-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

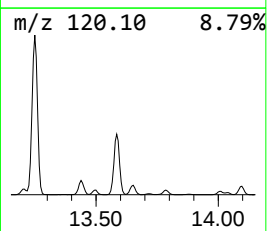
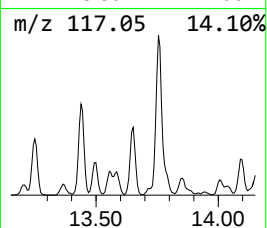
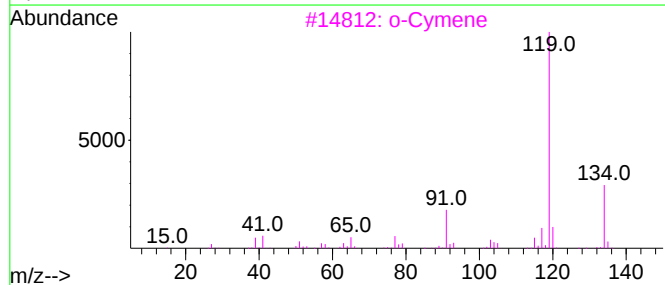
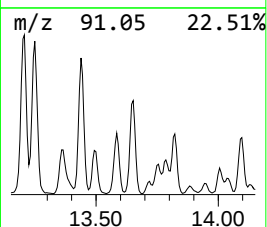
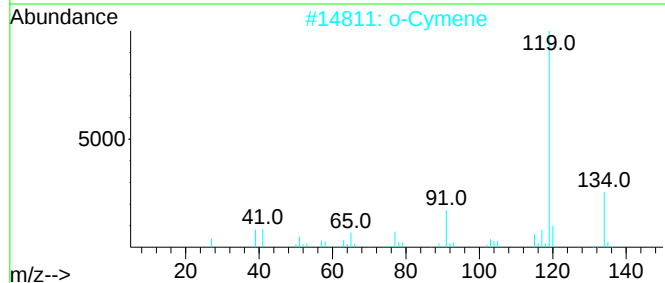
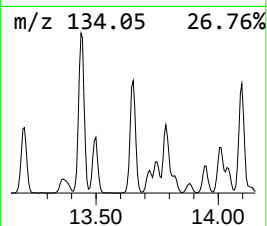
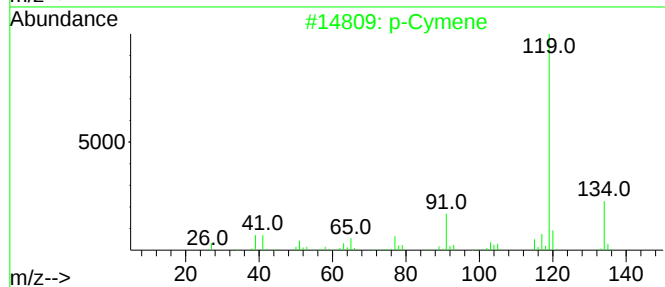
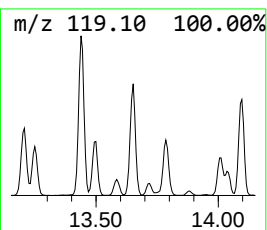
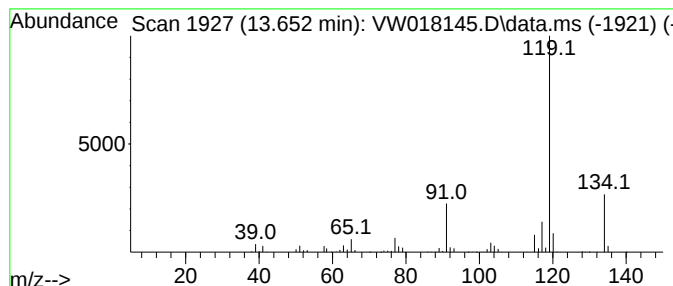
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.652	12.03 ug/L	559507	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			p-Cymene	134	C10H14	000099-87-6	97
2			o-Cymene	134	C10H14	000527-84-4	97
3			o-Cymene	134	C10H14	000527-84-4	97
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5			o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

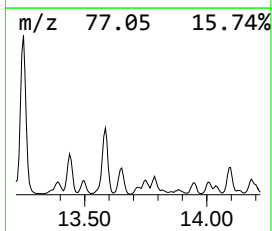
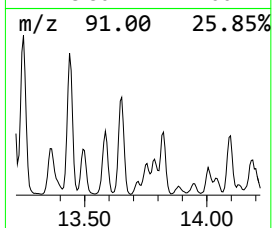
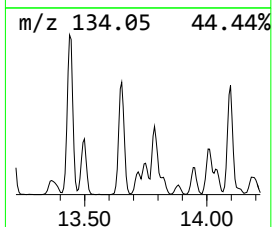
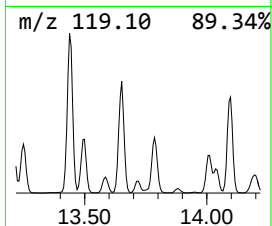
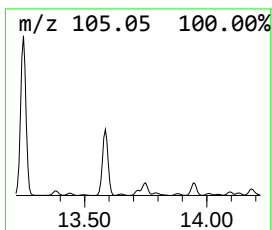
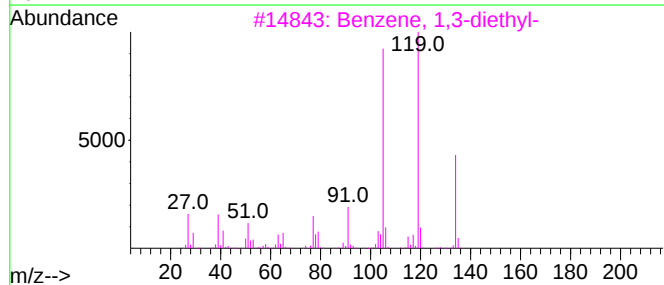
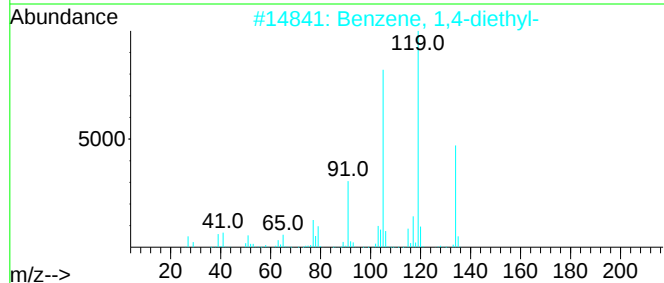
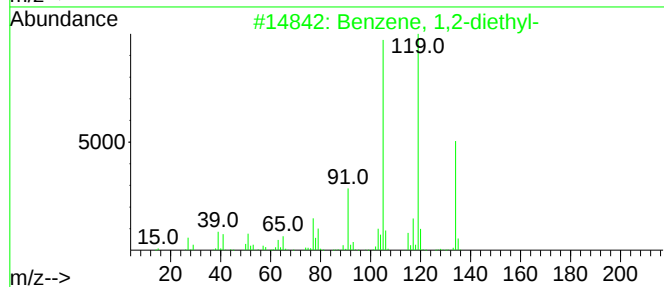
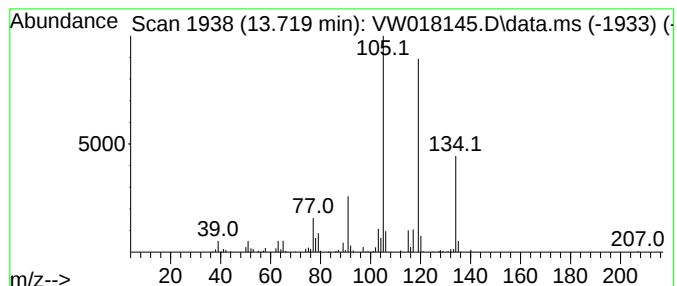
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Quant Title : VOC Analysis

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

Peak Number 43 Benzene, 1,2-diethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.719	2.24 ug/L	104369	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	94
3			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

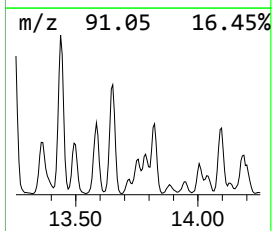
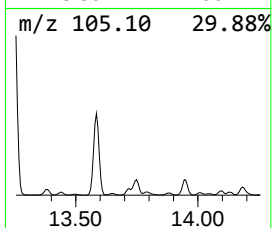
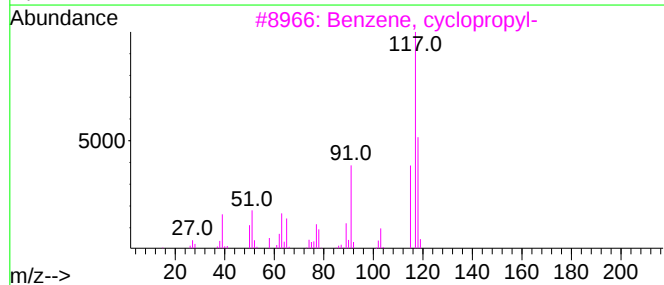
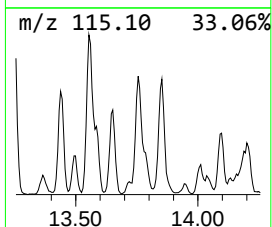
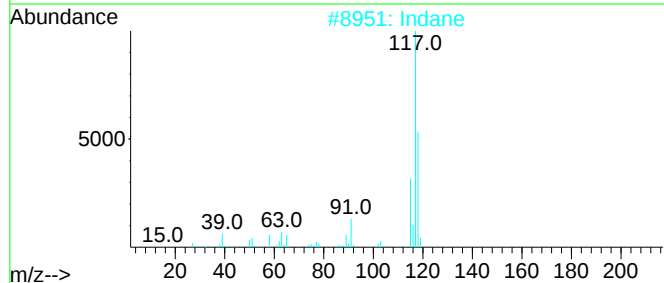
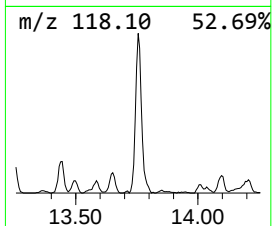
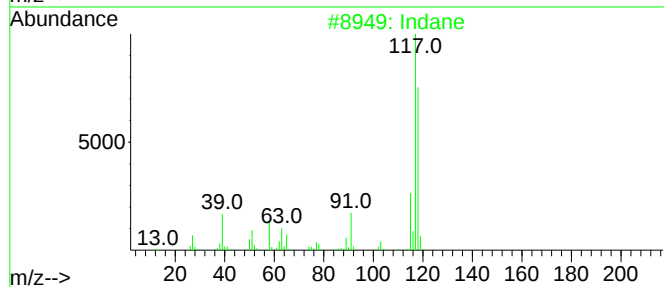
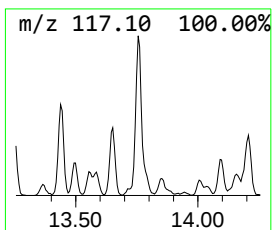
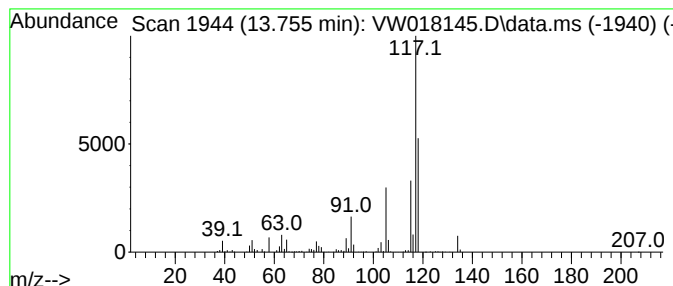
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Quant Title : VOC Analysis

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

Peak Number 44 Indane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.755	6.65 ug/L	309228	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	76
2			Indane	118	C9H10	000496-11-7	70
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4			Benzene, 2-propenyl-	118	C9H10	000300-57-2	62
5			Benzene, cyclopropyl-	118	C9H10	000873-49-4	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

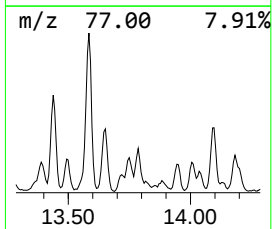
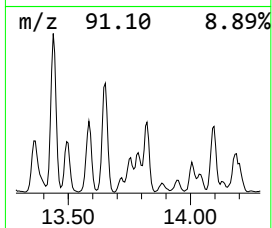
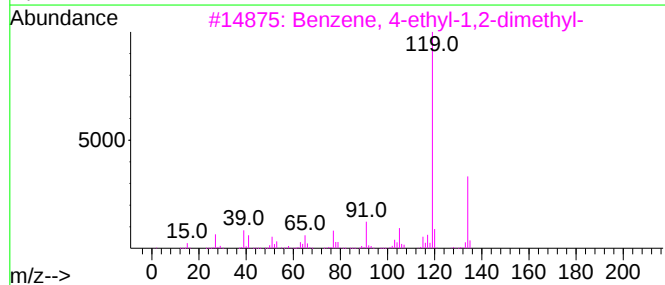
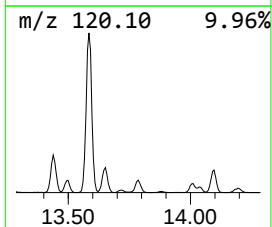
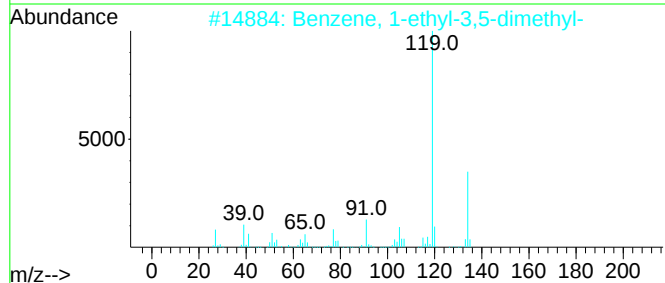
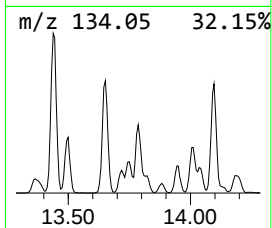
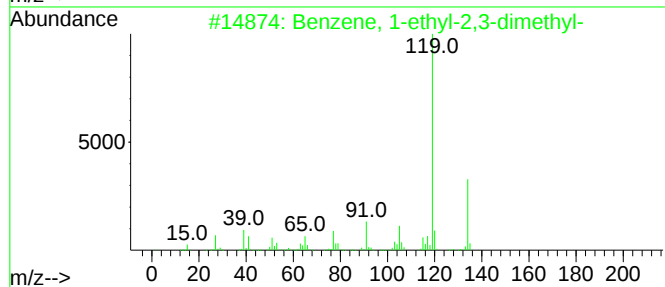
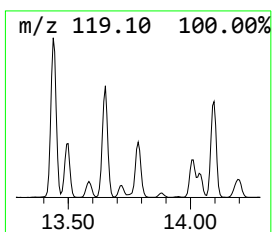
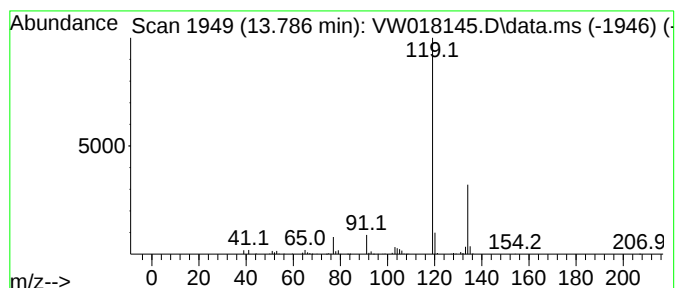
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Quant Title : VOC Analysis

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

Peak Number 45 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.786	6.20 ug/L	288334	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
2			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZ0RE

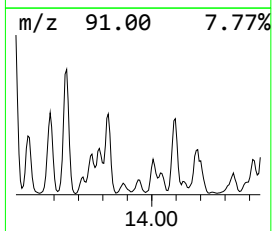
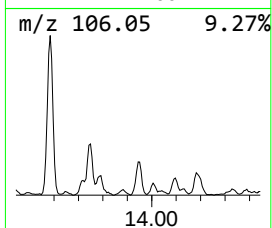
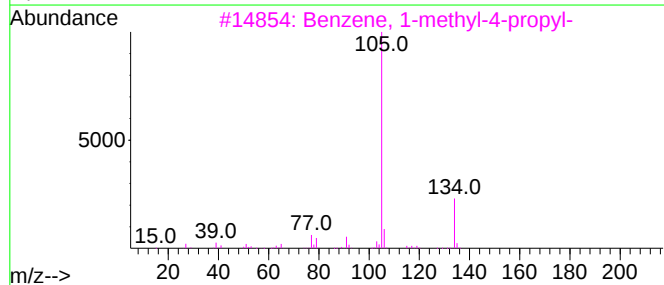
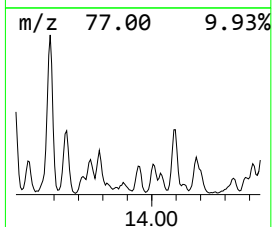
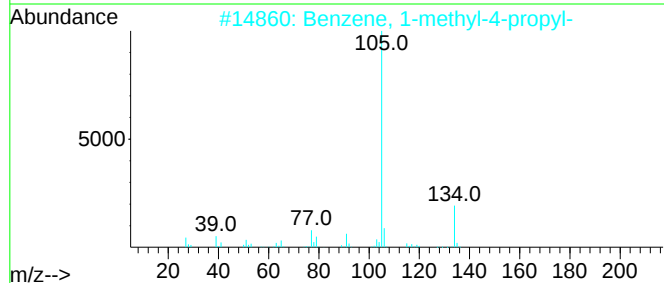
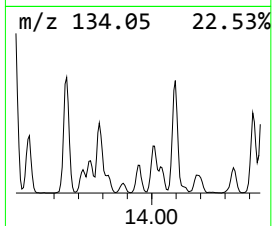
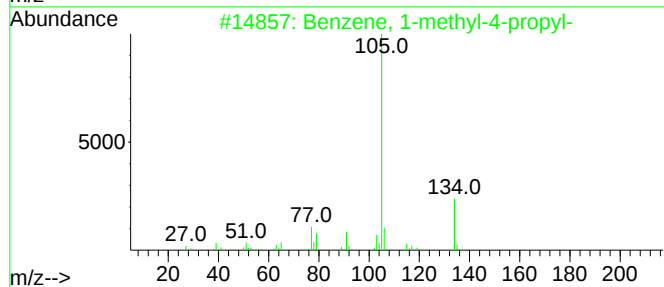
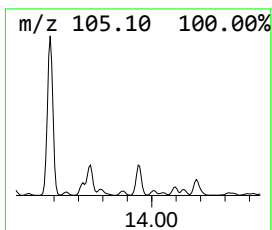
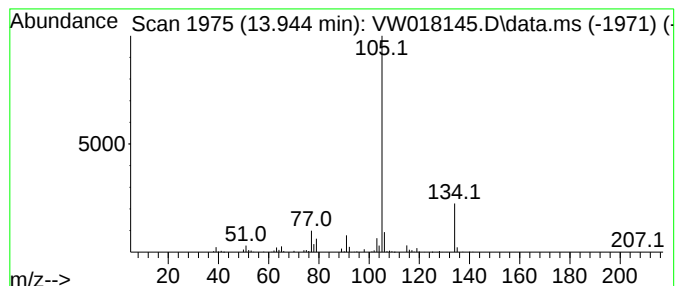
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Quant Title : VOC Analysis

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

Peak Number 46 Benzene, 1-methyl-4-propyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.944	3.09 ug/L	143745	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
4			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5			Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

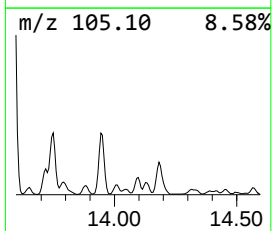
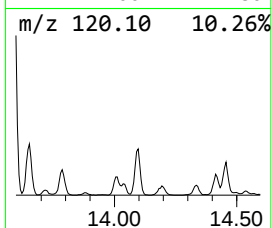
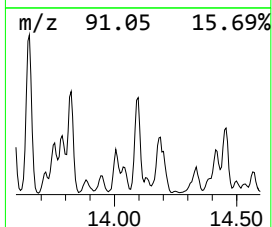
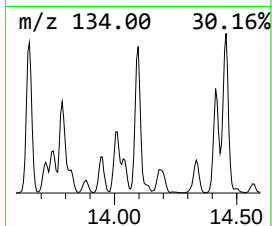
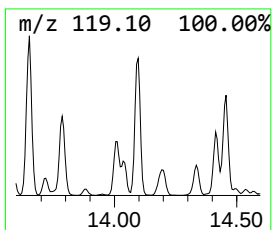
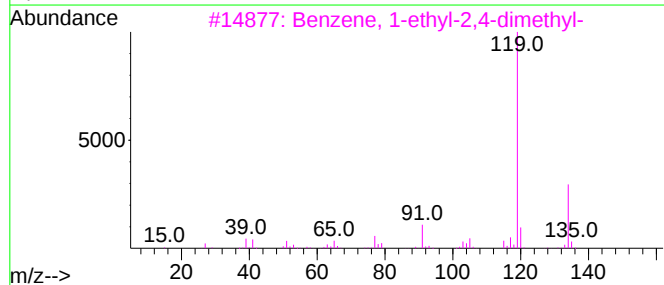
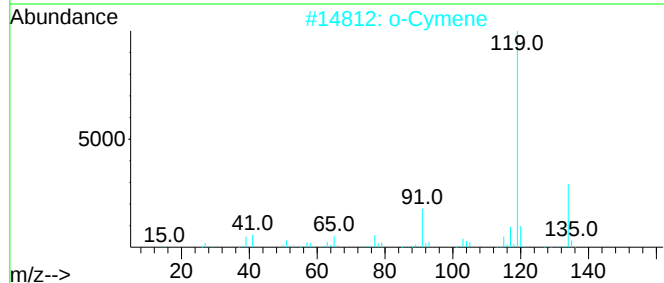
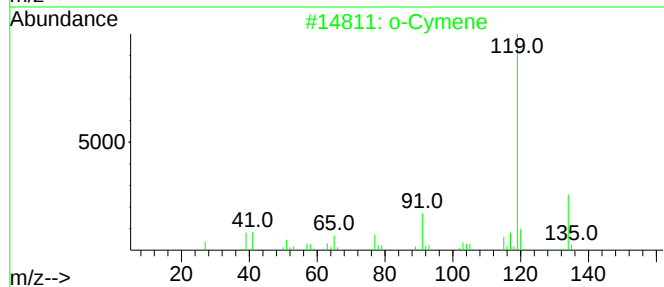
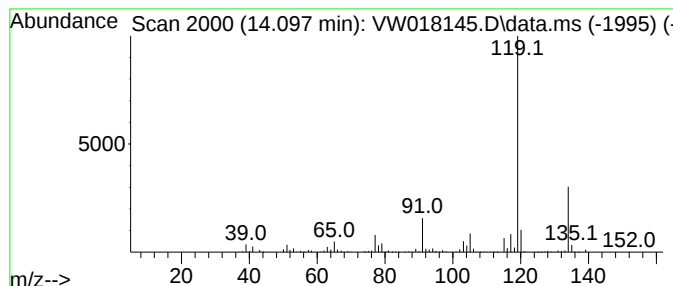
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Quant Title : VOC Analysis

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

Peak Number 49 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.097	10.59 ug/L	492567	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	97
2			o-Cymene	134	C10H14	000527-84-4	97
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	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\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

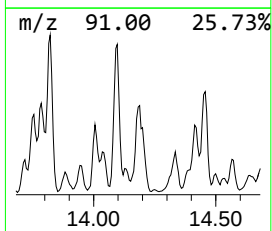
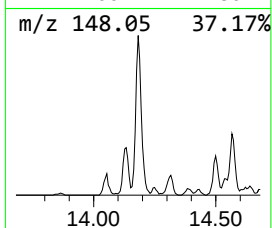
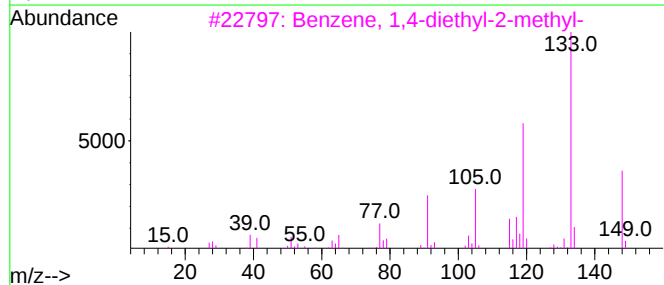
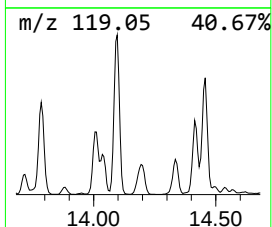
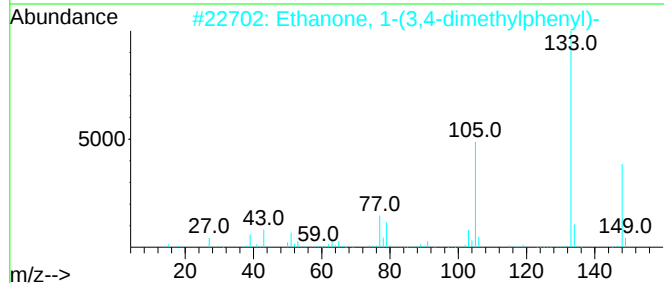
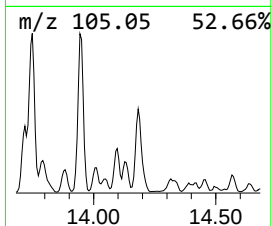
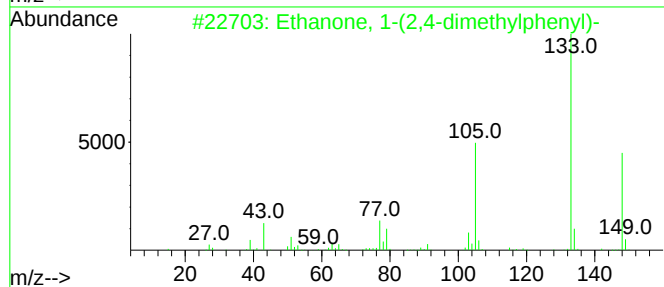
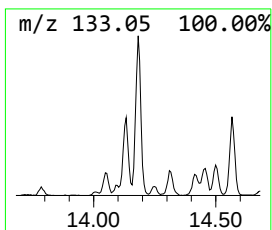
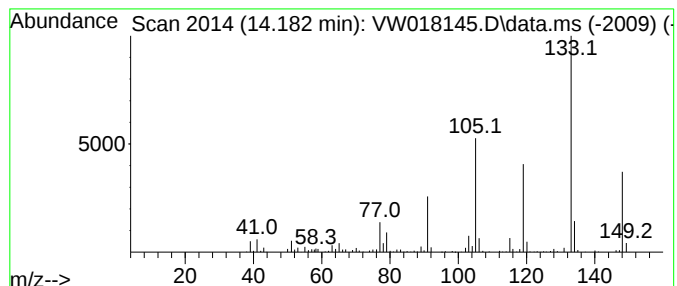
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Quant Title : VOC Analysis

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

Peak Number 50 Ethanone, 1-(2,4-dimethylph... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	8.48 ug/L	394274	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	95
2			Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	94
3			Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
4			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	81
5			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

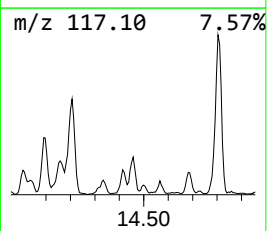
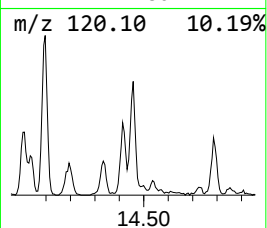
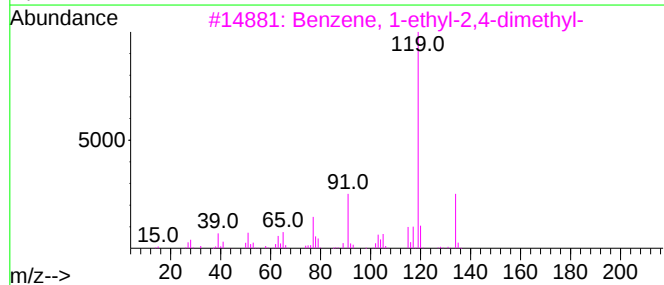
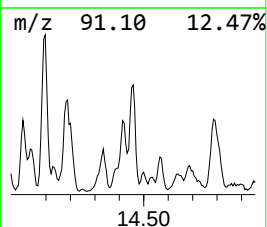
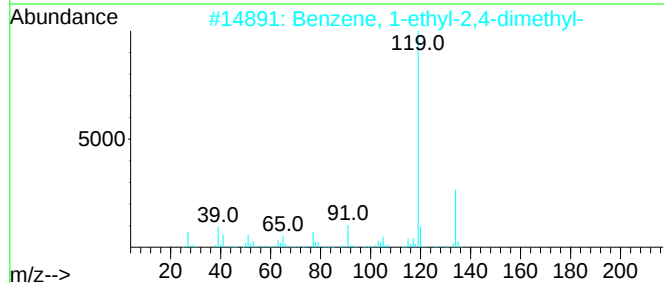
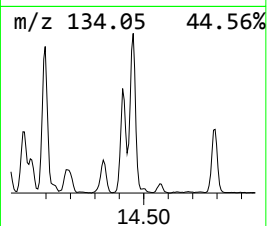
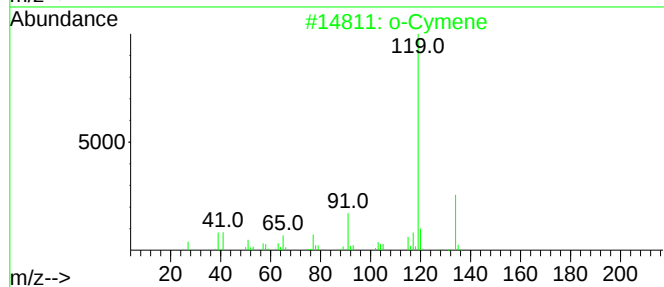
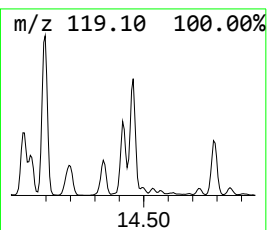
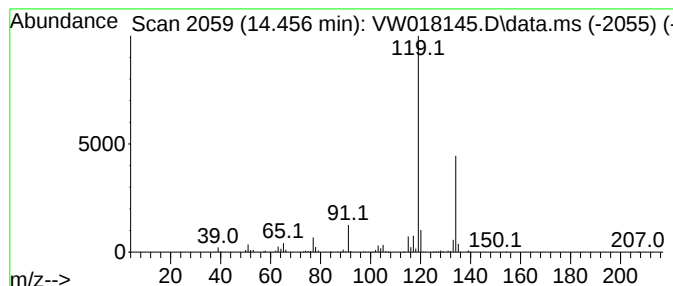
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Quant Title : VOC Analysis

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

Peak Number 54 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.456	8.14 ug/L	378630	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

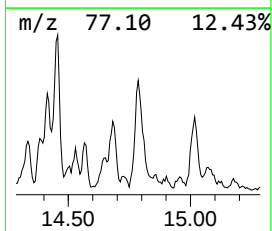
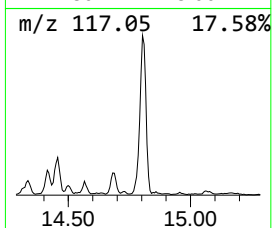
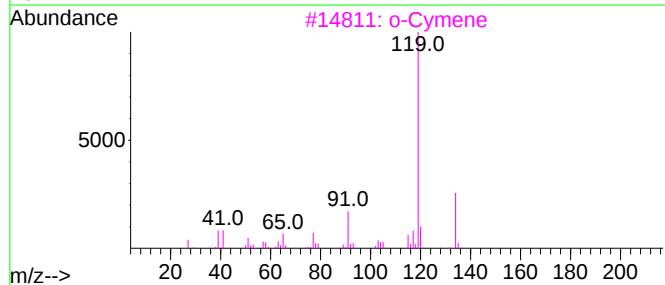
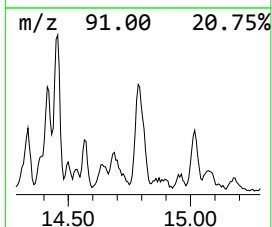
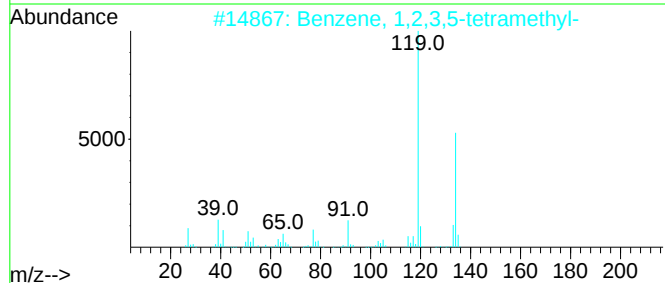
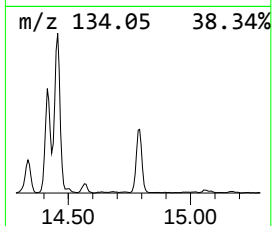
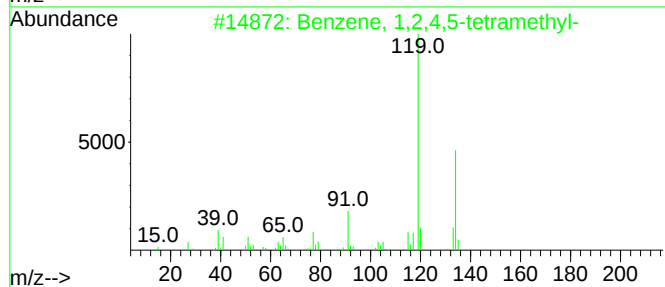
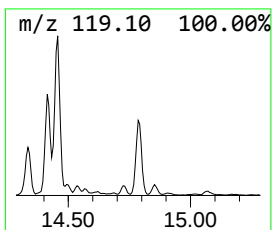
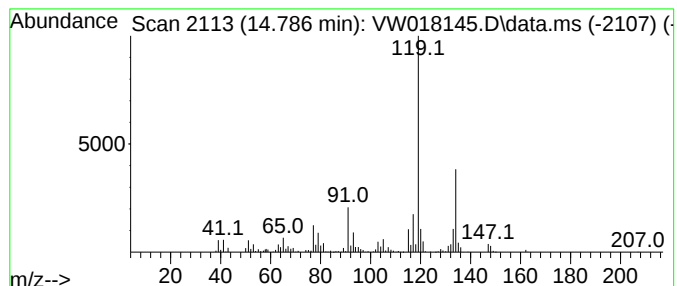
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Quant Title : VOC Analysis

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

Peak Number 59 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.786	8.22 ug/L	382223	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3			o-Cymene	134	C10H14	000527-84-4	93
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018145.D
Acq On : 15 Feb 2021 19:03
Operator : SY/VA
Sample : M1370-14RE
Misc : 5.13G/10ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGZORE

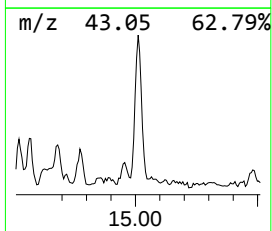
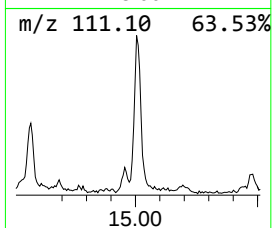
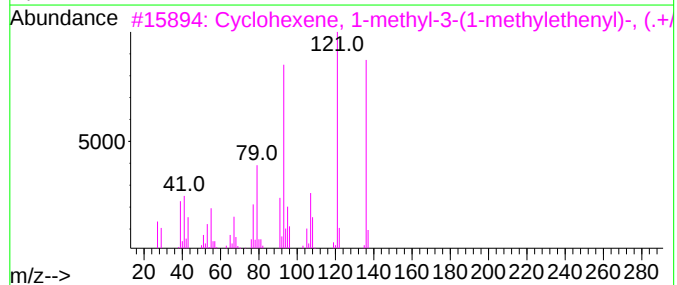
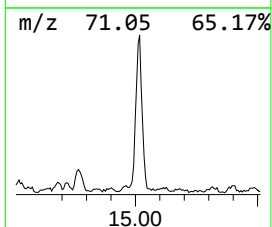
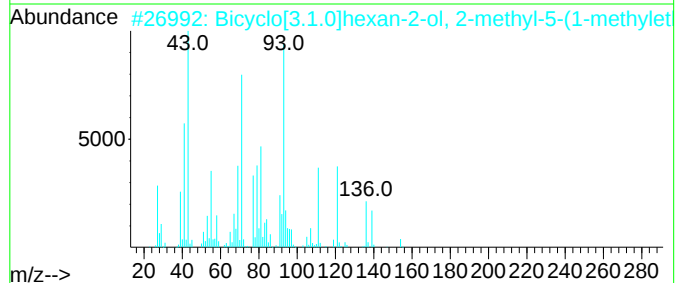
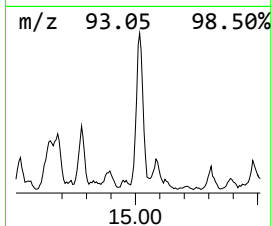
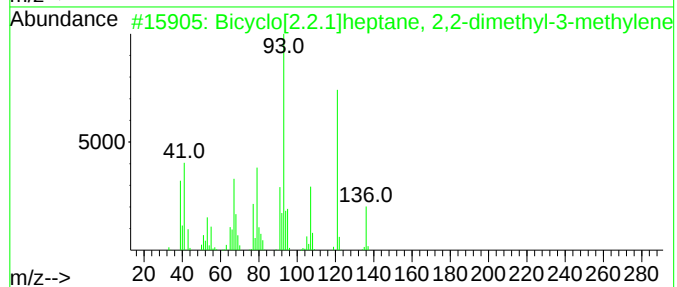
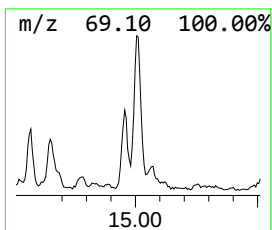
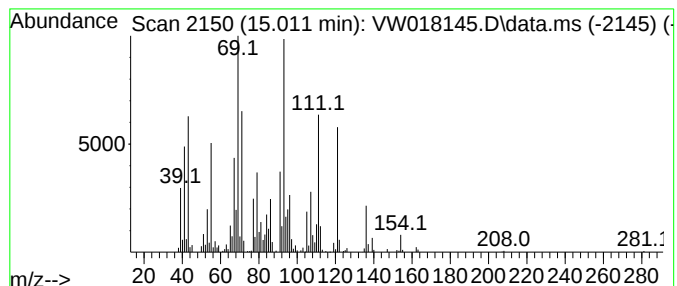
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 61 unknown-02 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.011	6.00 ug/L	279076	1,4-Dichlorobenzene-d4	13.554

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	46
2			Bicyclo[3.1.0]hexan-2-ol, 2-meth...	154	C10H18O	015537-55-0	38
3			Cyclohexene, 1-methyl-3-(1-methy...	136	C10H16	000499-03-6	30
4			Camphene	136	C10H16	000079-92-5	30
5			Camphene	136	C10H16	000079-92-5	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018145.D
 Acq On : 15 Feb 2021 19:03
 Operator : SY/VA
 Sample : M1370-14RE
 Misc : 5.13G/10ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGZ0RE

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: C...	6.982	1.3	ug/L	37687	1	8.841	749185	25.0
Tetrahydrofuran	7.531	1.7	ug/L	50257	1	8.841	749185	25.0
(DEL) Alkane: S...	8.031	1.4	ug/L	42577	1	8.841	749185	25.0
(DEL) Alkane: S...	8.153	2.3	ug/L	69695	1	8.841	749185	25.0
(DEL) Alkane: S...	8.482	6.8	ug/L	203809	1	8.841	749185	25.0
(DEL) Alkane: C...	8.573	2.4	ug/L	71416	1	8.841	749185	25.0
(DEL) Alkane: S...	8.695	2.6	ug/L	78155	1	8.841	749185	25.0
(DEL) Alkane: C...	9.518	1.3	ug/L	39334	1	8.841	749185	25.0
(DEL) Alkane: C...	9.610	1.9	ug/L	56302	1	8.841	749185	25.0
(DEL) Alkane: S...	9.756	7.7	ug/L	229714	1	8.841	749185	25.0
Cyclobutane, (1...	9.854	6.8	ug/L	203338	1	8.841	749185	25.0
Acetoacetic aci...	9.896	7.2	ug/L	214957	1	8.841	749185	25.0
(DEL) Alkane: S...	9.957	2.7	ug/L	81888	1	8.841	749185	25.0
Butanoic acid, ...	10.091	4.6	ug/L	137034	1	8.841	749185	25.0
(DEL) Alkane: S...	10.250	3.7	ug/L	93971	2	11.628	629140	25.0
Dichloroacetic ...	10.500	5.9	ug/L	148896	2	11.628	629140	25.0
(DEL) Alkane: C...	10.664	4.6	ug/L	115271	2	11.628	629140	25.0
(DEL) Alkane: C...	10.762	3.2	ug/L	80785	2	11.628	629140	25.0
(DEL) Alkane: S...	11.036	3.4	ug/L	84753	2	11.628	629140	25.0
(DEL) Alkane: C...	11.176	6.1	ug/L	152911	2	11.628	629140	25.0
(DEL) Alkane: C...	11.231	6.4	ug/L	159934	2	11.628	629140	25.0
unknown-01	11.335	1.8	ug/L	44743	2	11.628	629140	25.0
(DEL) Alkane: C...	11.432	3.9	ug/L	96789	2	11.628	629140	25.0
(DEL) Alkane: S...	12.018	1.8	ug/L	44691	2	11.628	629140	25.0
Bicyclo[2.2.1]h...	12.109	1.9	ug/L	46977	2	11.628	629140	25.0
(DEL) Alkane: S...	12.249	1.6	ug/L	40085	2	11.628	629140	25.0
Tricyclo[2.2.1]...	12.365	36.9	ug/L	929014	2	11.628	629140	25.0
2,4-Heptadiene,...	12.524	6.3	ug/L	157797	2	11.628	629140	25.0
4-Decen-6-yne, ...	12.566	1.9	ug/L	46622	2	11.628	629140	25.0
Benzene, propyl-	12.804	10.7	ug/L	497765	3	13.554	1162830	25.0
Benzene, 1-ethy...	12.865	11.3	ug/L	525334	3	13.554	1162830	25.0
(DEL) Alkane: C...	12.920	829.9	ug/L	38601700	3	13.554	1162830	25.0
Bicyclo[2.2.1]h...	13.048	90.4	ug/L	4202920	3	13.554	1162830	25.0
Benzene, 1-ethy...	13.091	36.3	ug/L	1687850	3	13.554	1162830	25.0
Benzene, tert-b...	13.201	11.1	ug/L	516944	3	13.554	1162830	25.0
Benzene, 1,2,3-...	13.249	43.3	ug/L	2016050	3	13.554	1162830	25.0
Cyclohexene, 1-...	13.396	7.9	ug/L	368582	3	13.554	1162830	25.0
p-Cymene	13.438	16.7	ug/L	778436	3	13.554	1162830	25.0
o-Cymene	13.493	6.1	ug/L	285819	3	13.554	1162830	25.0
Benzene, 1-meth...	13.652	12.0	ug/L	559507	3	13.554	1162830	25.0
Benzene, 1,2-di...	13.719	2.2	ug/L	104369	3	13.554	1162830	25.0
Indane	13.755	6.7	ug/L	309228	3	13.554	1162830	25.0
Benzene, 1-ethy...	13.786	6.2	ug/L	288334	3	13.554	1162830	25.0
Benzene, 1-meth...	13.944	3.1	ug/L	143745	3	13.554	1162830	25.0
Benzene, 1-ethy...	14.097	10.6	ug/L	492567	3	13.554	1162830	25.0
Ethanone, 1-(2,...	14.182	8.5	ug/L	394274	3	13.554	1162830	25.0
Benzene, 1-ethy...	14.456	8.1	ug/L	378630	3	13.554	1162830	25.0
Benzene, 1,2,4,...	14.786	8.2	ug/L	382223	3	13.554	1162830	25.0
unknown-02	15.011	6.0	ug/L	279076	3	13.554	1162830	25.0