

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016618.D
 Acq On : 22 Sep 2020 18:16
 Operator : SY/VA
 Sample : L4109-05
 Misc : 6.37G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W9

Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 0 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.050	337	352	401	rBV2	3326353	12303041	7.00%	0.686%
2	4.964	478	502	505	rBV3	34619156	117534062	66.87%	6.558%
3	5.434	564	579	580	rBV	32912906	58357208	33.20%	3.256%
4	5.775	625	635	650	rBV3	451565	1980521	1.13%	0.111%
5	5.946	651	663	664	rBV	34588782	63021095	35.85%	3.516%
6	6.147	690	696	703	rVB	1234795	2884588	1.64%	0.161%
7	6.251	703	713	718	rBV	2028638	5965830	3.39%	0.333%
8	6.312	718	723	736	rVB	3129647	8738764	4.97%	0.488%
9	6.452	736	746	755	rBV	1625819	4918270	2.80%	0.274%
10	6.580	757	767	780	rVB2	1035395	3413716	1.94%	0.190%
11	6.738	780	793	810	rBV2	14500725	56416846	32.10%	3.148%
12	6.903	810	820	826	rBV	6498582	22629955	12.87%	1.263%
13	6.988	827	834	835	rBV2	34559492	53246310	30.29%	2.971%
14	7.171	856	864	898	rVB2	4739089	14018174	7.98%	0.782%
15	7.708	933	952	969	rBV	4187637	11728582	6.67%	0.654%
16	7.878	969	980	987	rBV	15362287	41773787	23.77%	2.331%
17	7.964	987	994	1019	rVB	16554487	50665921	28.83%	2.827%
18	8.165	1019	1027	1035	rBV	993160	2425313	1.38%	0.135%
19	8.281	1039	1046	1062	rVB2	620454	1939816	1.10%	0.108%
20	8.433	1062	1071	1080	rBV4	137301	476499	0.27%	0.027%
21	8.701	1106	1115	1127	rVB	1200640	2358060	1.34%	0.132%
22	8.848	1129	1139	1151	rBV	703395	1454243	0.83%	0.081%
23	9.092	1170	1179	1186	rBV4	131180	363235	0.21%	0.020%
24	9.281	1200	1210	1215	rBV	403799	910043	0.52%	0.051%
25	9.341	1215	1220	1226	rVB	272192	521270	0.30%	0.029%
26	9.768	1282	1290	1300	rVB2	196996	447798	0.25%	0.025%
27	9.902	1300	1312	1318	rBV	348639	829681	0.47%	0.046%
28	9.963	1318	1322	1327	rVV	155340	303467	0.17%	0.017%
29	10.036	1330	1334	1339	rVV	228797	405228	0.23%	0.023%
30	10.104	1339	1345	1358	rVB2	170503	426440	0.24%	0.024%
31	10.274	1358	1373	1377	rBV	247384	619042	0.35%	0.035%
32	10.335	1377	1383	1386	rVV	861193	1778703	1.01%	0.099%
33	10.408	1386	1395	1406	rVV3	46598807	175767295	100.00%	9.807%
34	10.512	1406	1412	1418	rVB	339819	613444	0.35%	0.034%

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 Title : VOC Analysis

35	10.774	1448	1455	1463	rVB3	138332	301797	0.17%	0.017%
36	10.866	1463	1470	1476	rBV	483964	864199	0.49%	0.048%
37	10.927	1476	1480	1494	rVB3	204985	389637	0.22%	0.022%
38	11.414	1552	1560	1571	rVB3	211700	556791	0.32%	0.031%
39	11.518	1571	1577	1587	rVB	180177	309907	0.18%	0.017%
40	11.658	1587	1600	1605	rBV2	1421592	3815428	2.17%	0.213%
41	11.731	1605	1612	1622	rVB	16417163	28921235	16.45%	1.614%
42	11.841	1622	1630	1641	rBV2	43451948	89992548	51.20%	5.021%
43	12.170	1672	1684	1692	rBV	29261663	50606623	28.79%	2.824%
44	12.256	1692	1698	1703	rVB	383138	678403	0.39%	0.038%
45	12.341	1703	1712	1714	rBV5	231256	569911	0.32%	0.032%
46	12.469	1726	1733	1739	rBV	10298896	16610018	9.45%	0.927%
47	12.579	1748	1751	1761	rVB4	511198	1119209	0.64%	0.062%
48	12.658	1761	1764	1768	rBV	373229	523426	0.30%	0.029%
49	12.701	1768	1771	1777	rVB3	322456	546050	0.31%	0.030%
50	12.810	1777	1789	1794	rBV	28849066	50544571	28.76%	2.820%
51	12.871	1794	1799	1801	rBV3	46222063	81404481	46.31%	4.542%
52	12.951	1809	1812	1819	rVB2	46116153	81294187	46.25%	4.536%
53	13.042	1820	1827	1833	rBV3	42239232	100093110	56.95%	5.585%
54	13.109	1833	1838	1845	rVB2	40435773	71436715	40.64%	3.986%
55	13.170	1845	1848	1855	rVB2	766503	1019224	0.58%	0.057%
56	13.268	1855	1864	1865	rBV3	50047709	102160065	58.12%	5.700%
57	13.383	1874	1883	1888	rBV3	1658326	4472072	2.54%	0.250%
58	13.450	1888	1894	1898	rVV	3118877	5367976	3.05%	0.300%
59	13.499	1898	1902	1908	rVV3	1476212	3451282	1.96%	0.193%
60	13.591	1908	1917	1931	rVB2	41483055	78020696	44.39%	4.353%
61	13.725	1932	1939	1940	rBV2	4425999	6517580	3.71%	0.364%
62	13.761	1940	1945	1948	rVV2	21566429	41920514	23.85%	2.339%
63	13.792	1948	1950	1959	rVV3	13807803	24484600	13.93%	1.366%
64	13.877	1959	1964	1969	rVV2	8458249	13406938	7.63%	0.748%
65	13.950	1970	1976	1981	rVV	3878450	6144926	3.50%	0.343%
66	14.011	1981	1986	1989	rVV	8522476	14815145	8.43%	0.827%
67	14.042	1989	1991	1996	rVV	8701533	11779410	6.70%	0.657%
68	14.097	1996	2000	2008	rVB	14834212	23054747	13.12%	1.286%
69	14.206	2013	2018	2023	rVB2	3446420	5649677	3.21%	0.315%
70	14.261	2023	2027	2034	rVB5	561119	1331538	0.76%	0.074%
71	14.341	2034	2040	2045	rBV	4712712	7916856	4.50%	0.442%

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72	14.420	2045	2053	2056	rVV	10492862	18744467	10.66%	1.046%
73	14.463	2056	2060	2064	rVV	13935424	22155299	12.60%	1.236%
74	14.499	2064	2066	2070	rVV2	2423621	3352771	1.91%	0.187%
75	14.542	2070	2073	2080	rVV2	1481489	2435251	1.39%	0.136%
76	14.603	2080	2083	2086	rVV	306988	374066	0.21%	0.021%
77	14.645	2086	2090	2093	rVV	784491	1072218	0.61%	0.060%
78	14.688	2093	2097	2100	rVV	4453046	6982561	3.97%	0.390%
79	14.725	2100	2103	2109	rVB2	5205877	7802456	4.44%	0.435%
80	14.798	2109	2115	2122	rBV2	8886202	22362439	12.72%	1.248%
81	14.853	2122	2124	2130	rVB	1910039	2972116	1.69%	0.166%
82	14.962	2137	2142	2154	rVB3	571345	1186161	0.67%	0.066%
83	15.066	2154	2159	2170	rVV	2363258	5349826	3.04%	0.299%
84	15.170	2171	2176	2185	rVV2	1451944	3116081	1.77%	0.174%
85	15.249	2185	2189	2196	rVB7	670318	1408520	0.80%	0.079%
86	15.322	2196	2201	2203	rBV2	1308716	2076845	1.18%	0.116%
87	15.371	2203	2209	2216	rVB	10883726	20129868	11.45%	1.123%
88	15.468	2221	2225	2230	rVV2	595728	1073872	0.61%	0.060%
89	15.554	2234	2239	2248	rVB	2986403	5039351	2.87%	0.281%
90	15.657	2248	2256	2262	rBV2	877743	2027638	1.15%	0.113%
91	15.731	2264	2268	2273	rVB4	309563	513394	0.29%	0.029%
92	15.822	2279	2283	2287	rBV3	241573	397116	0.23%	0.022%
93	15.950	2300	2304	2309	rVB	309274	522821	0.30%	0.029%
94	16.035	2310	2318	2322	rVB5	213631	547687	0.31%	0.031%
95	16.145	2331	2336	2338	rBV	240993	424781	0.24%	0.024%
96	16.218	2345	2348	2354	rVB3	259958	435971	0.25%	0.024%
97	16.285	2354	2359	2367	rVB	463929	878941	0.50%	0.049%
98	16.444	2378	2385	2389	rVV	921343	1882418	1.07%	0.105%
99	16.499	2389	2394	2400	rVB	1139003	2013588	1.15%	0.112%
100	16.645	2411	2418	2431	rVB	510760	1567623	0.89%	0.087%

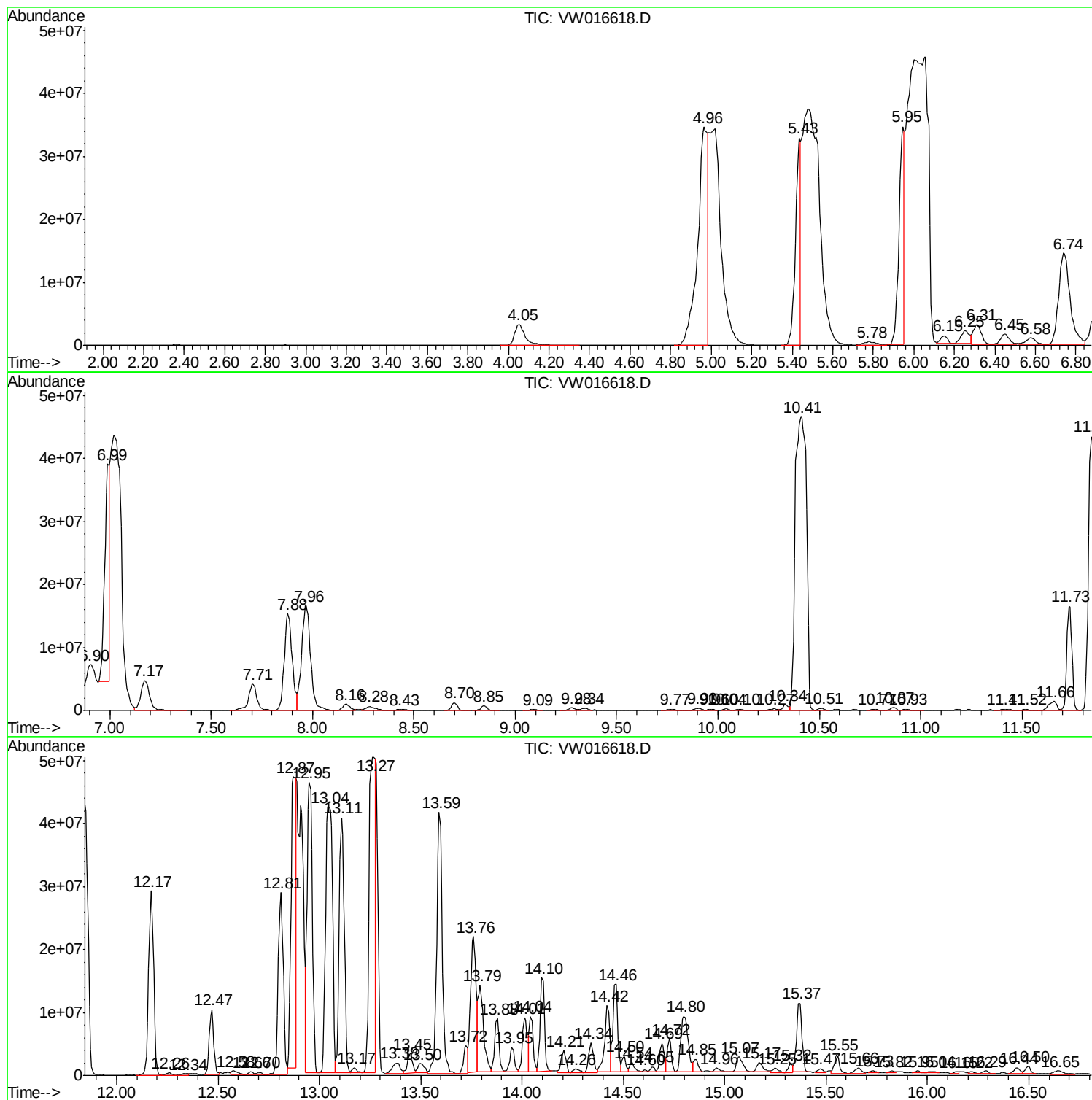
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Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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



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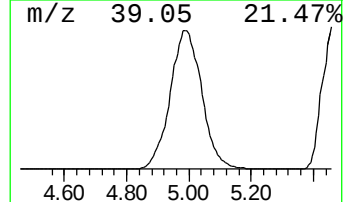
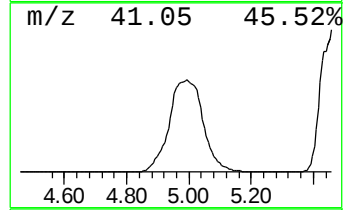
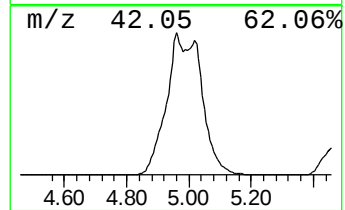
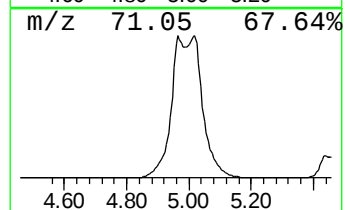
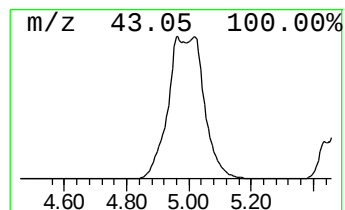
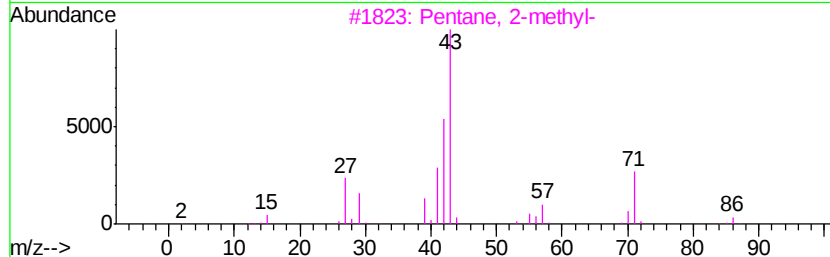
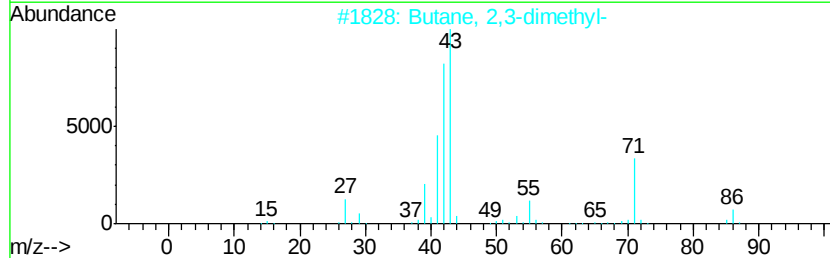
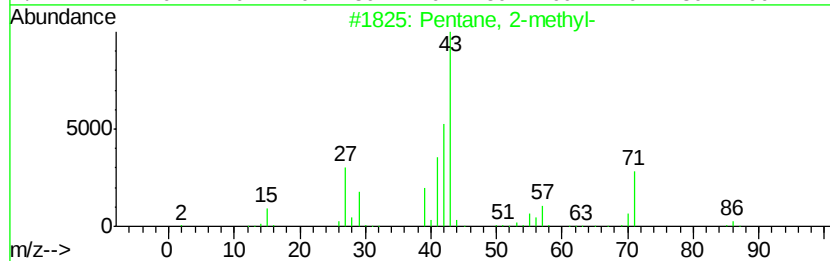
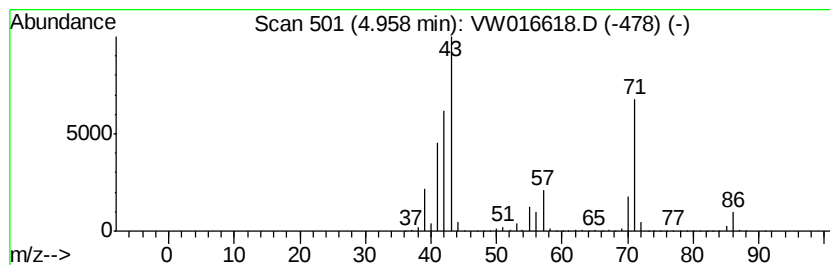
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	2020.54 ug/L	117534000	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
3		Pentane, 2-methyl-	86	C6H14	000107-83-5	49
4		Pentane	72	C5H12	000109-66-0	43
5		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	43



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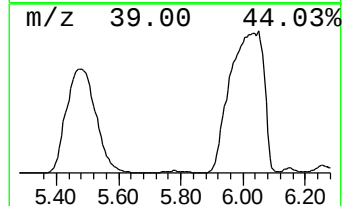
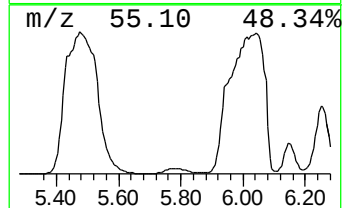
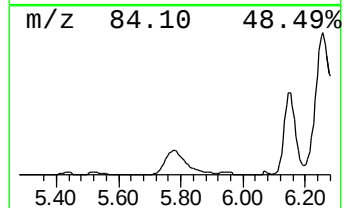
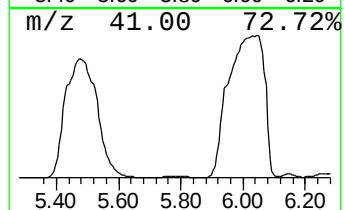
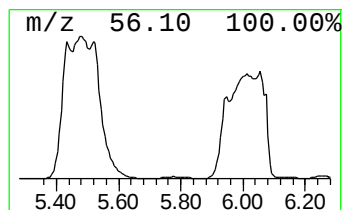
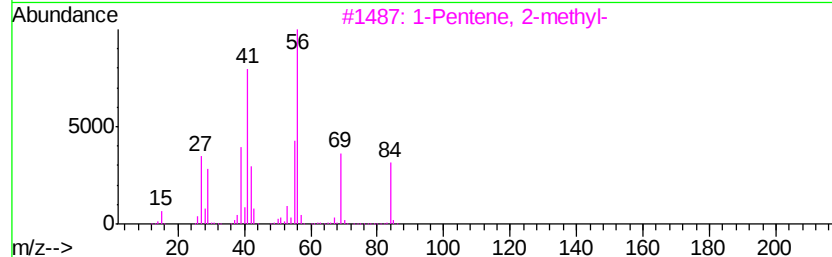
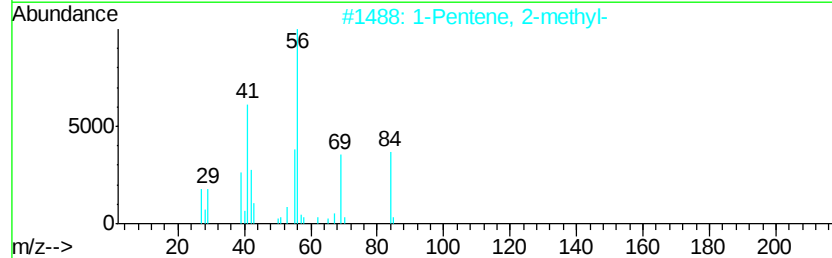
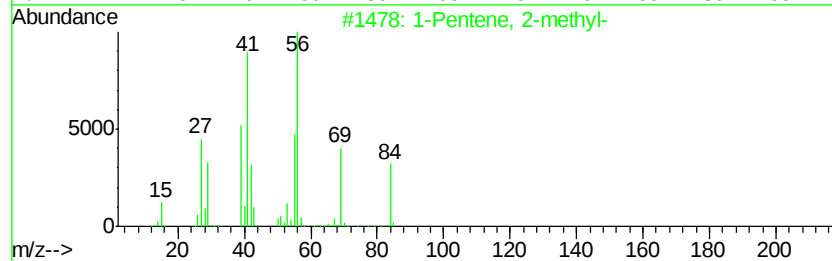
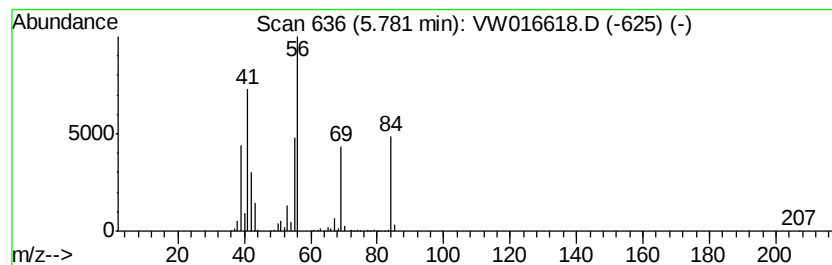
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	34.05 ug/L	1980520	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
2		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	81
3		1-Pentene, 2-methyl-	84	C6H12	000763-29-1	74
4		Cyclohexane	84	C6H12	000110-82-7	64
5		Cyclopentane, methyl-	84	C6H12	000096-37-7	59



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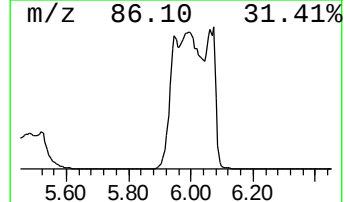
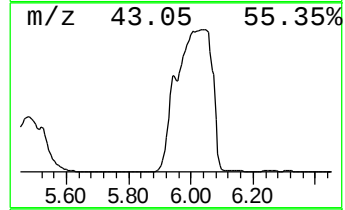
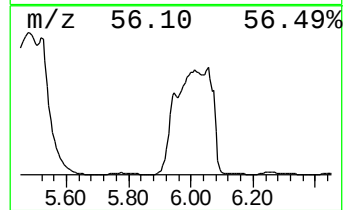
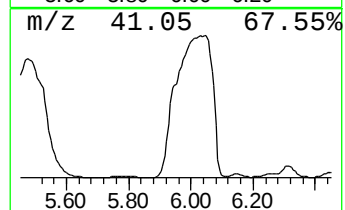
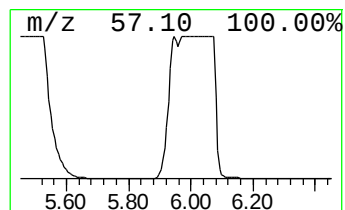
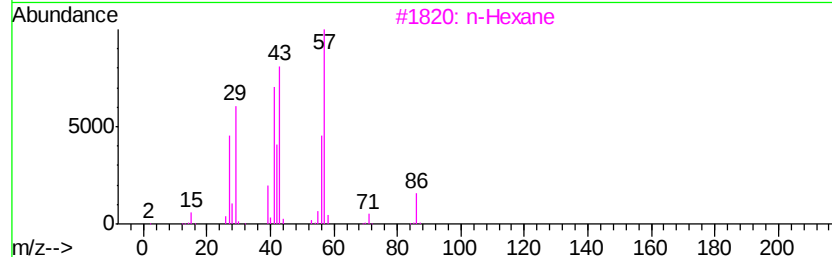
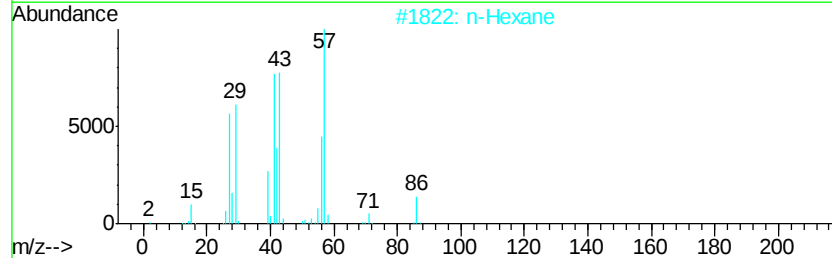
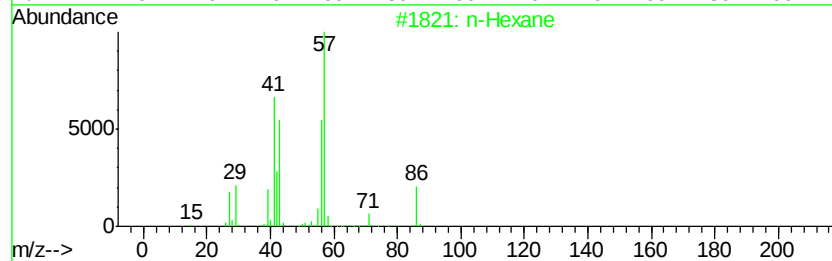
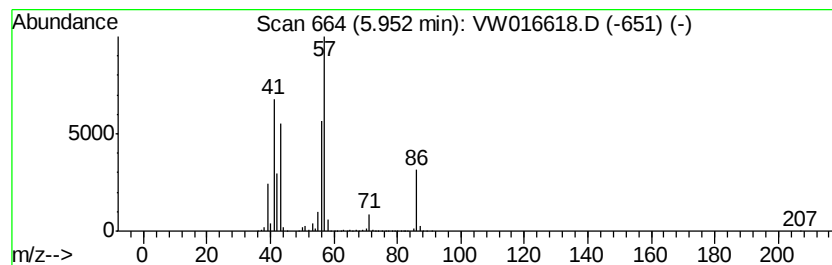
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Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	1083.40 ug/L	63021100	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexane	86	C6H14	000110-54-3	91
2		n-Hexane	86	C6H14	000110-54-3	59
3		n-Hexane	86	C6H14	000110-54-3	59
4		Pentane, 3-methyl-	86	C6H14	000096-14-0	42
5		Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

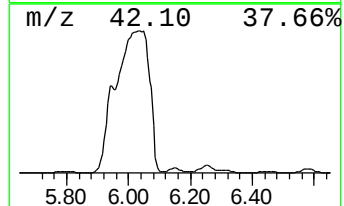
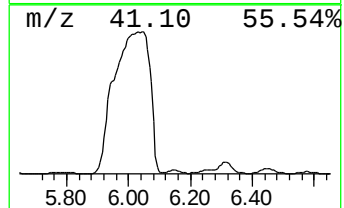
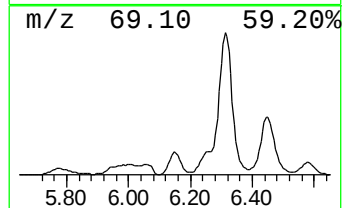
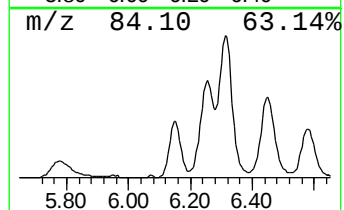
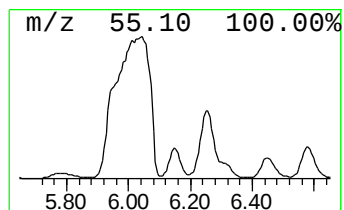
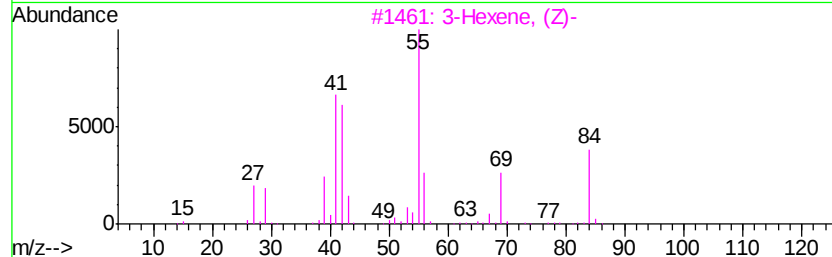
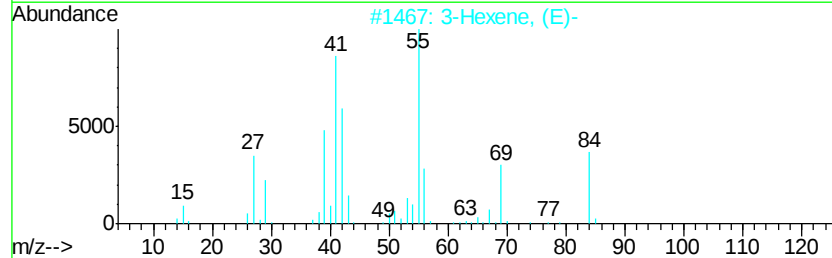
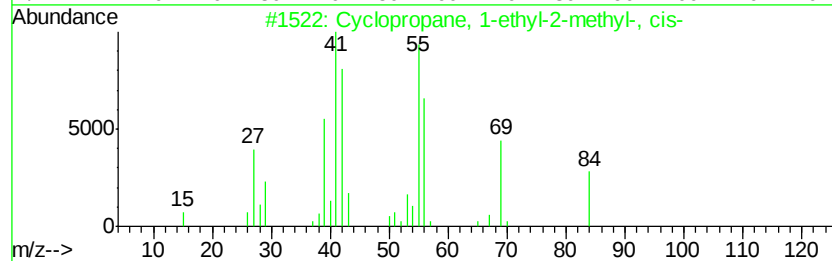
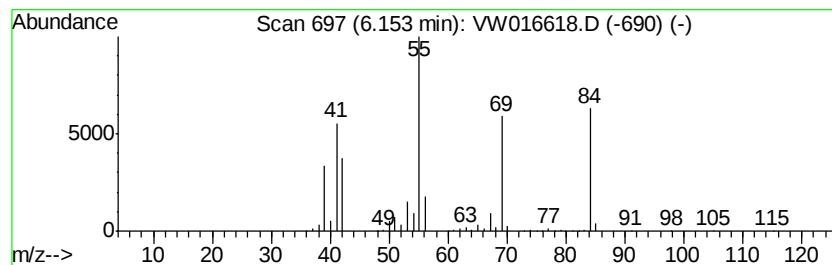
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Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic6.15 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.15	49.59 ug/L	2884590	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1-ethyl-2-methyl-, ...	84	C6H12	019781-68-1	87
2		3-Hexene, (E)-	84	C6H12	013269-52-8	86
3		3-Hexene, (Z)-	84	C6H12	007642-09-3	78
4		3-Hexene	84	C6H12	000592-47-2	78
5		3-Hexene, (Z)-	84	C6H12	007642-09-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

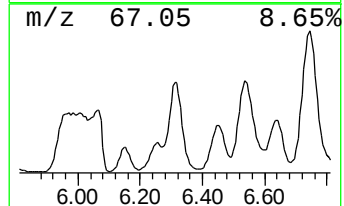
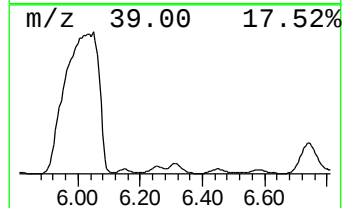
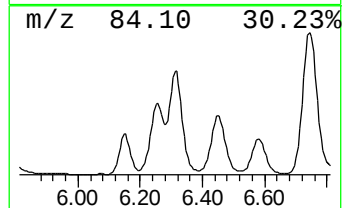
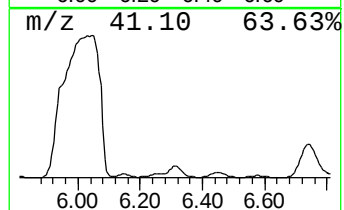
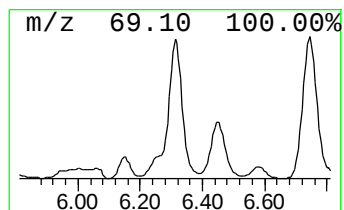
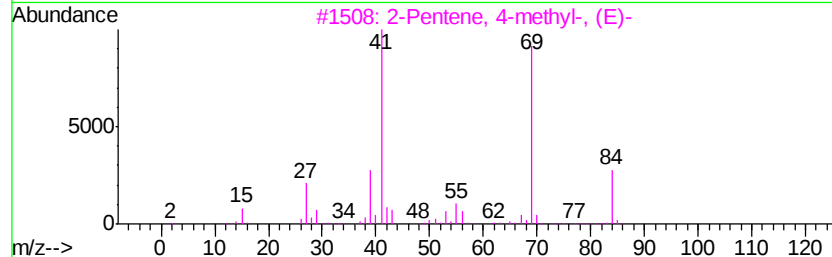
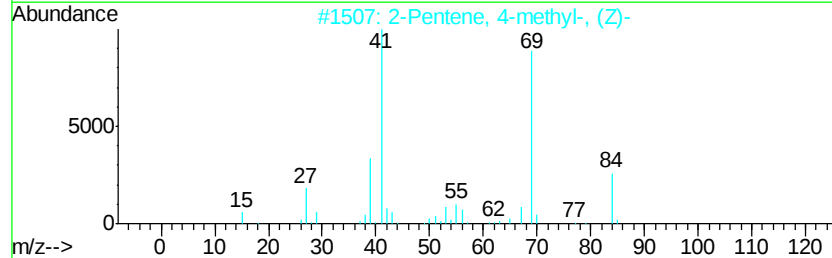
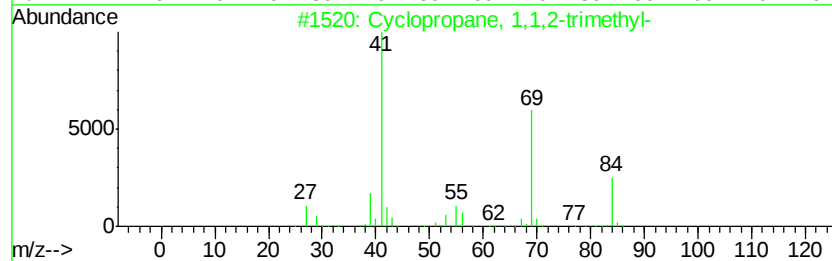
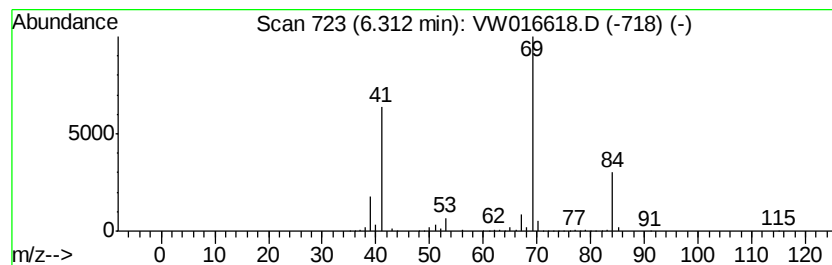
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic6.31 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	150.23 ug/L	8738760	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	90
2		2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	90
3		2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	90
4		2-Pentene, 2-methyl-	84	C6H12	000625-27-4	90
5		2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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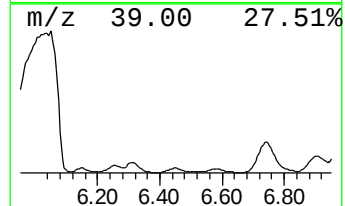
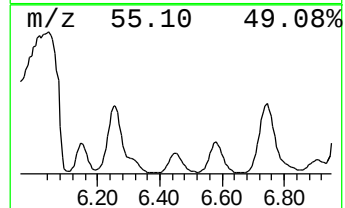
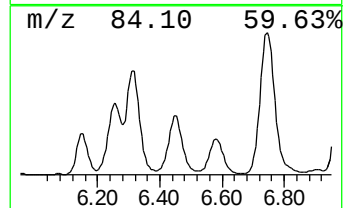
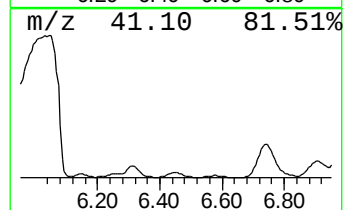
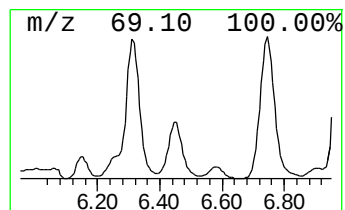
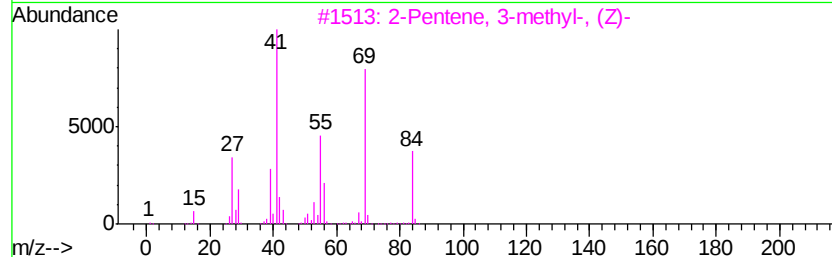
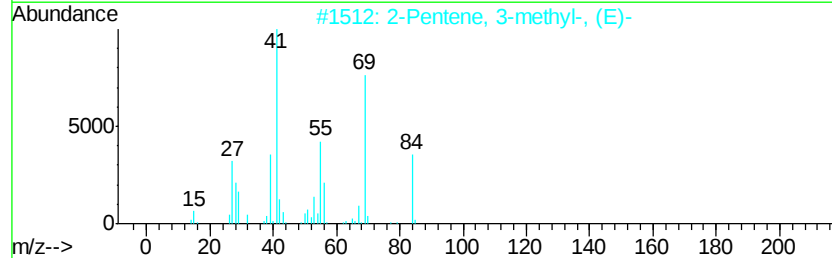
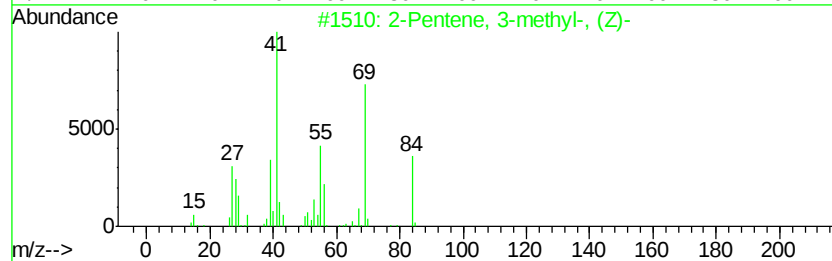
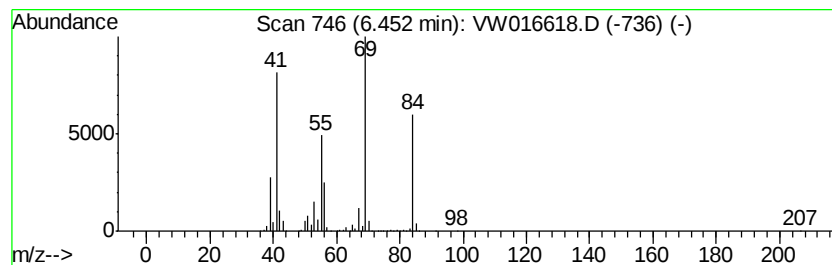
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.45	84.55 ug/L	4918270	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-			84	C6H12	000922-62-3	95
2	2-Pentene, 3-methyl-, (E)-			84	C6H12	000616-12-6	94
3	2-Pentene, 3-methyl-, (Z)-			84	C6H12	000922-62-3	91
4	2-Pentene, 3-methyl-, (E)-			84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (E)-			84	C6H12	000616-12-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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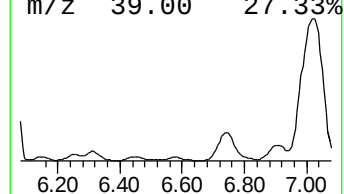
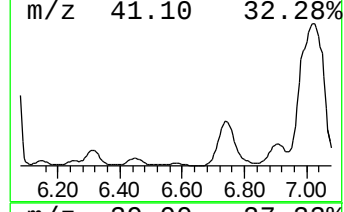
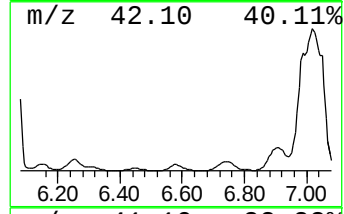
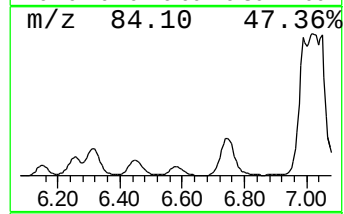
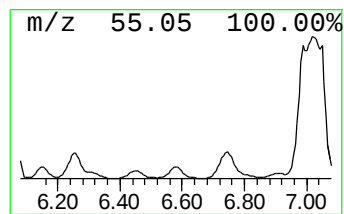
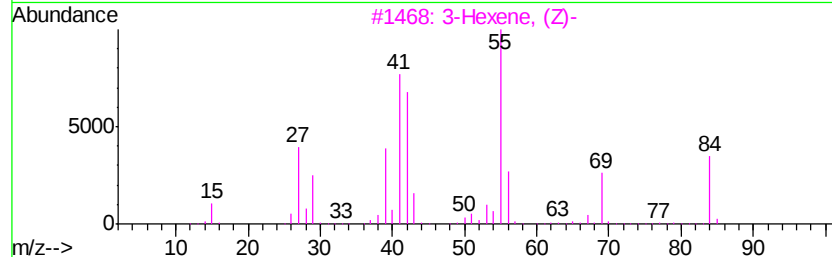
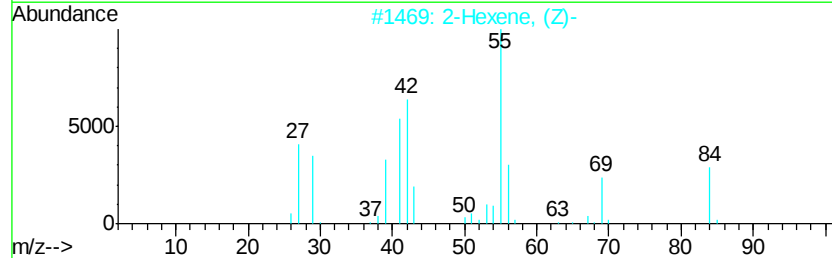
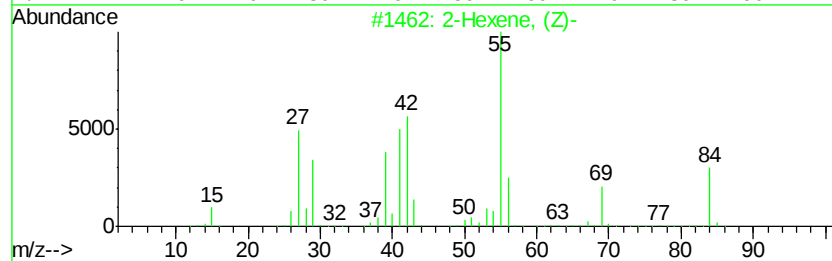
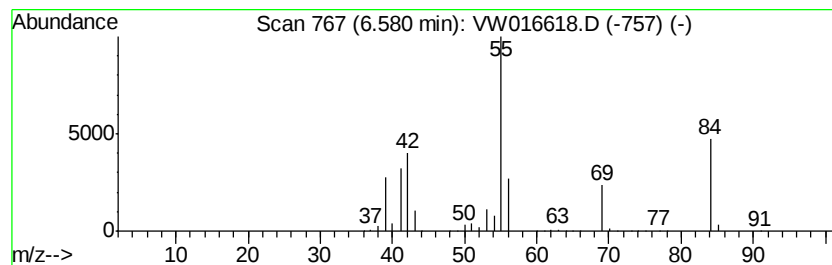
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Quant Title : VOC Analysis

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

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	58.69 ug/L	3413720	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
2		2-Hexene, (Z)-	84	C6H12	007688-21-3	91
3		3-Hexene, (Z)-	84	C6H12	007642-09-3	91
4		2-Hexene	84	C6H12	000592-43-8	90
5		2-Hexene, (E)-	84	C6H12	004050-45-7	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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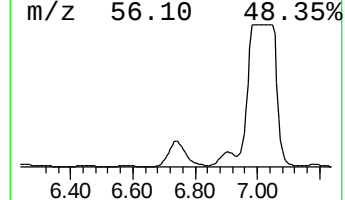
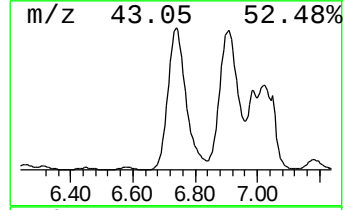
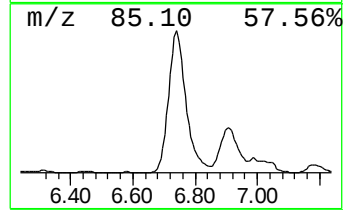
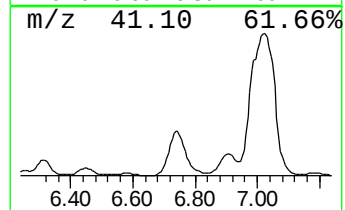
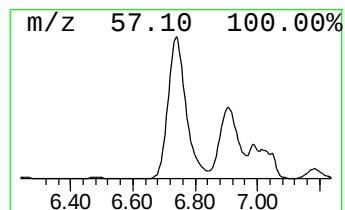
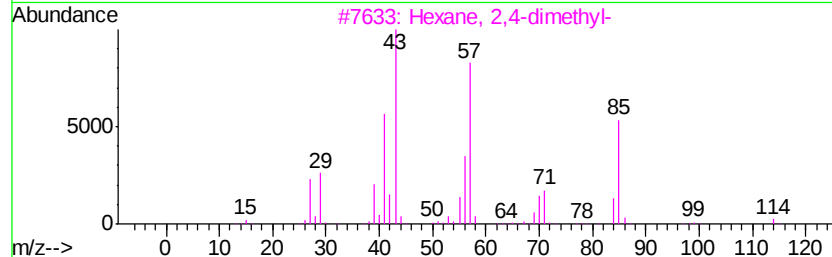
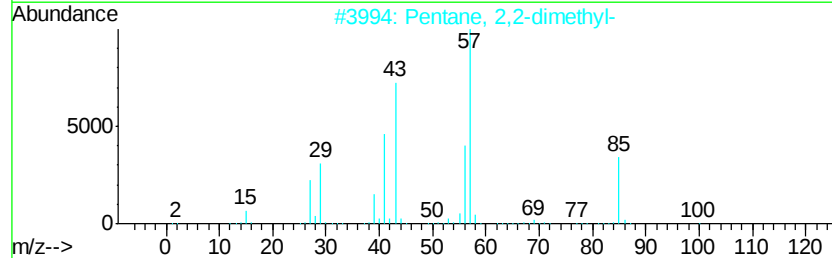
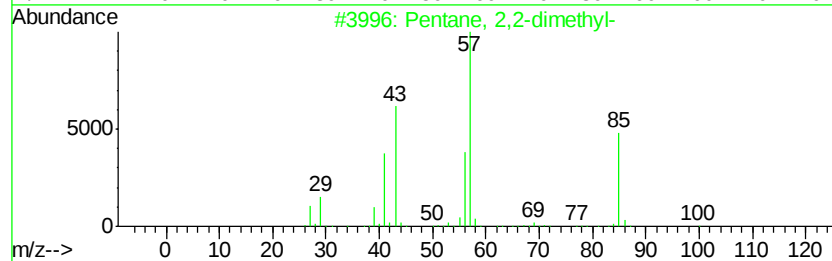
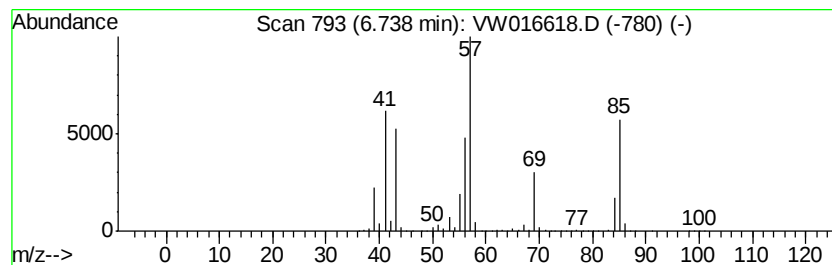
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	969.87 ug/L	56416800	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
2		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53
5		Cyclobutanone, oxime	85	C4H7NO	002972-05-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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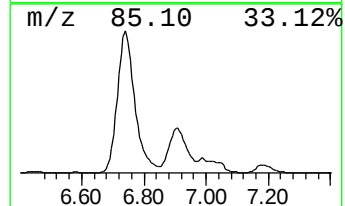
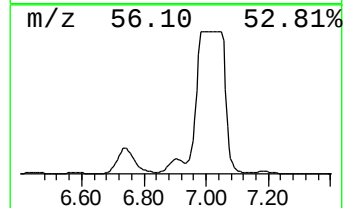
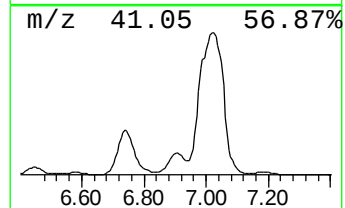
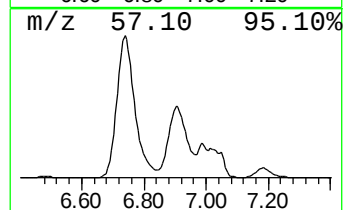
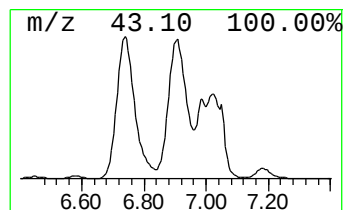
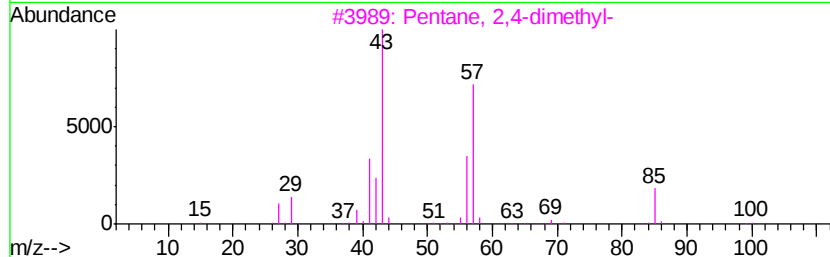
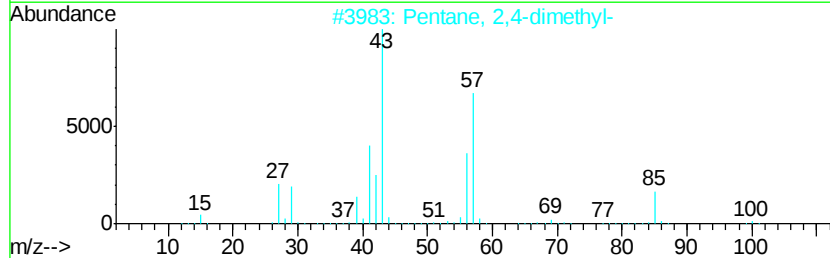
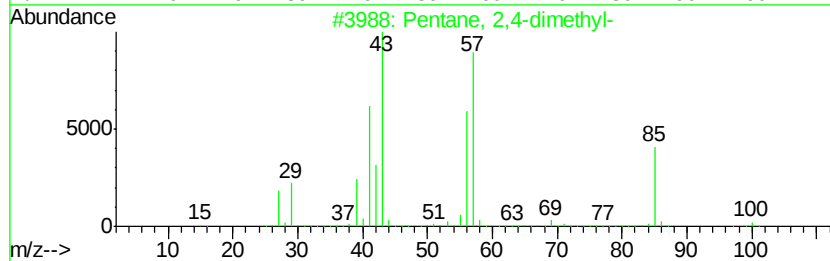
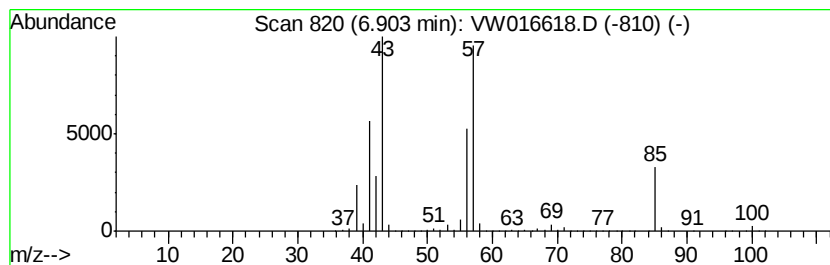
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Quant Title : VOC Analysis

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

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	389.03 ug/L	22630000	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
3		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	72
5		Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

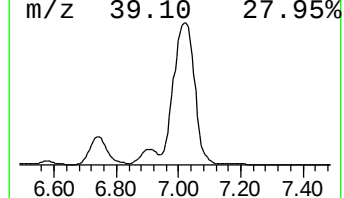
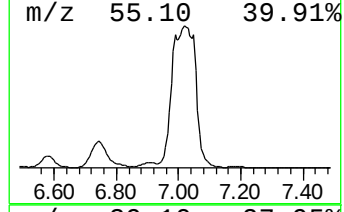
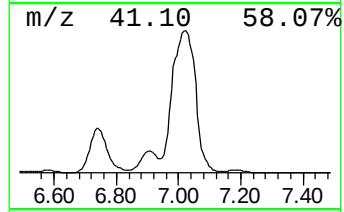
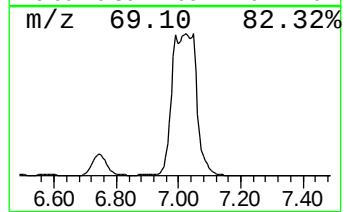
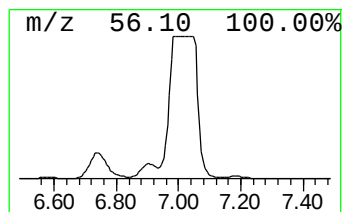
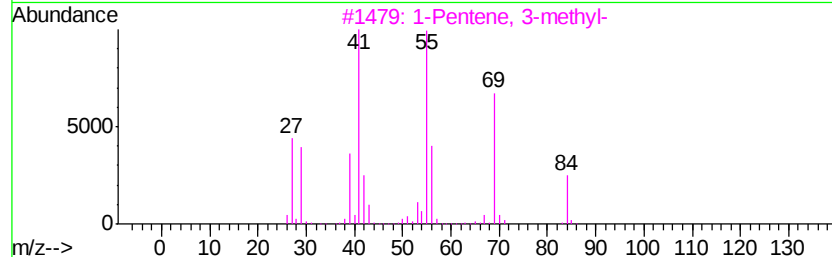
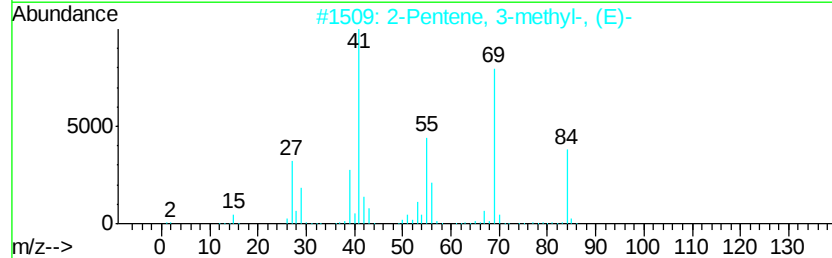
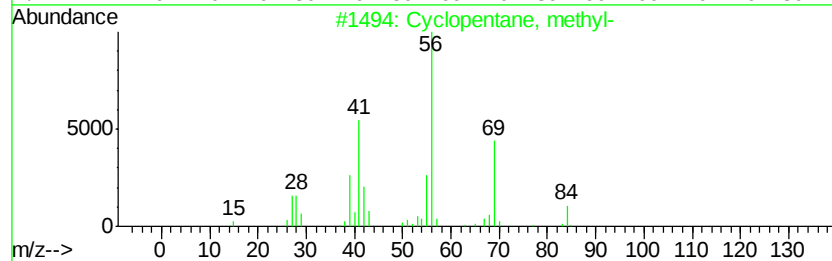
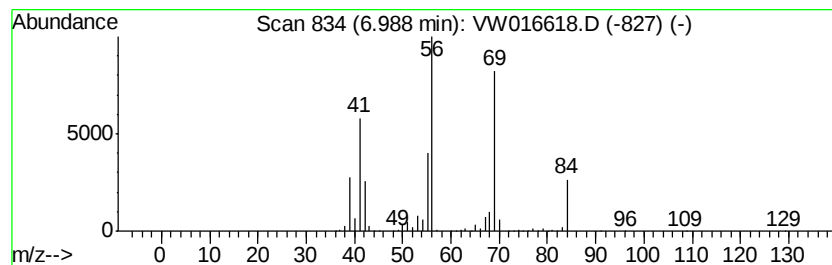
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Quant Title : VOC Analysis

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

Peak Number 10 (DEL) Alkane: Cyclic6.99 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	915.36 ug/L	53246300	1,4-Difluorobenzene	8.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2			2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	49
3			1-Pentene, 3-methyl-	84	C6H12	000760-20-3	47
4			2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	43
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

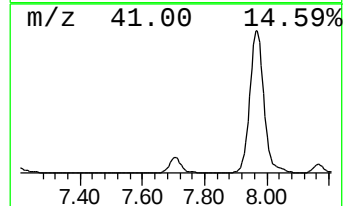
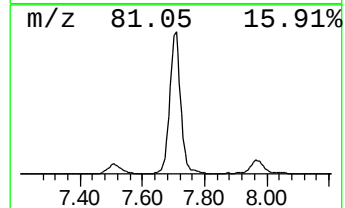
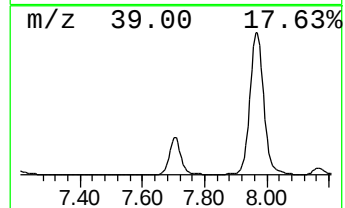
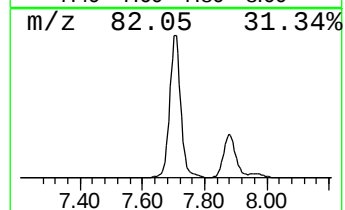
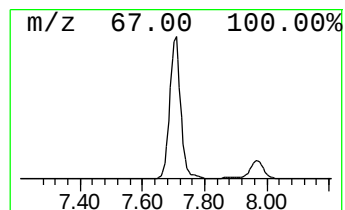
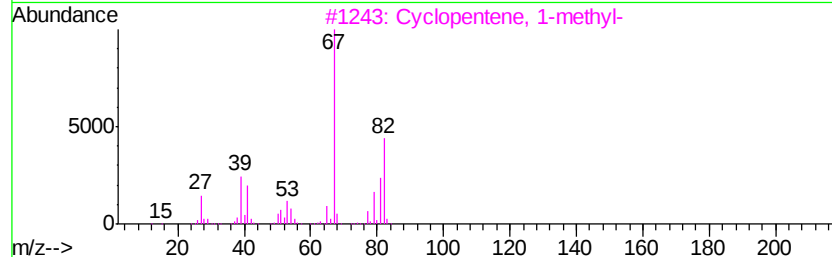
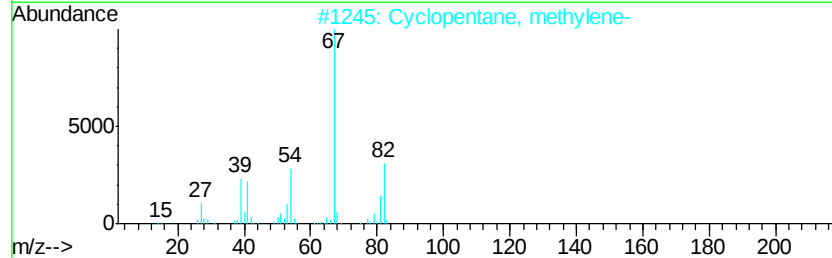
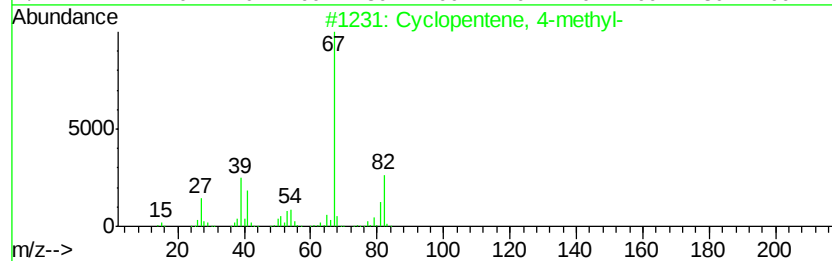
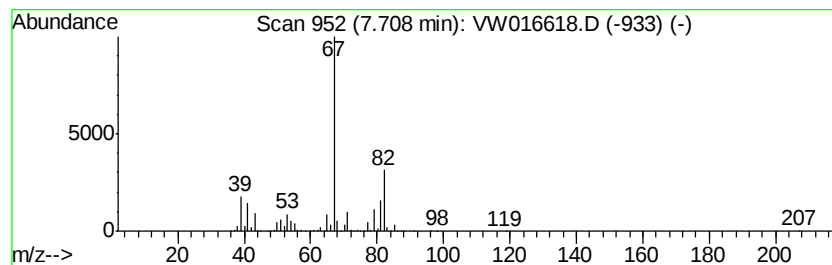
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Quant Title : VOC Analysis

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

Peak Number 11 Cyclopentene, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	201.63 ug/L	11728600	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	83
2		Cyclopentane, methylene-	82	C6H10	001528-30-9	81
3		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	81
4		Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	81
5		Isopropenylcyclopropane	82	C6H10	004663-22-3	80



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

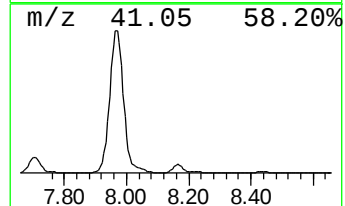
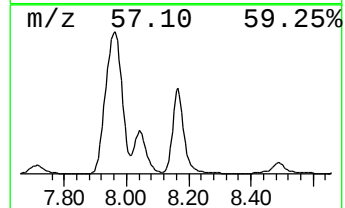
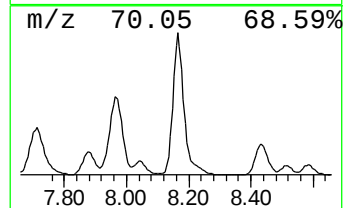
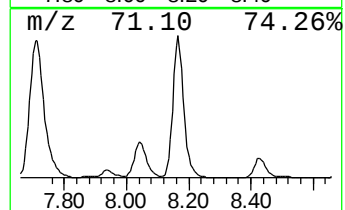
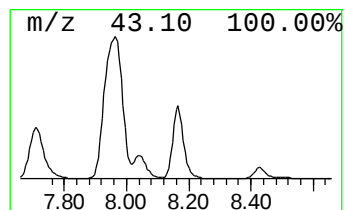
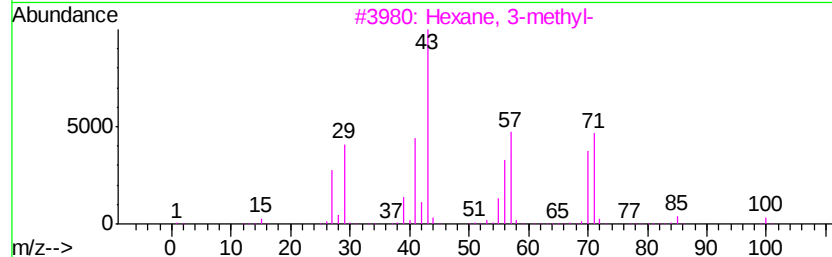
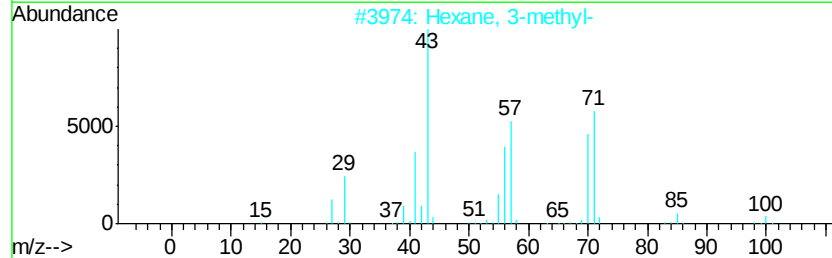
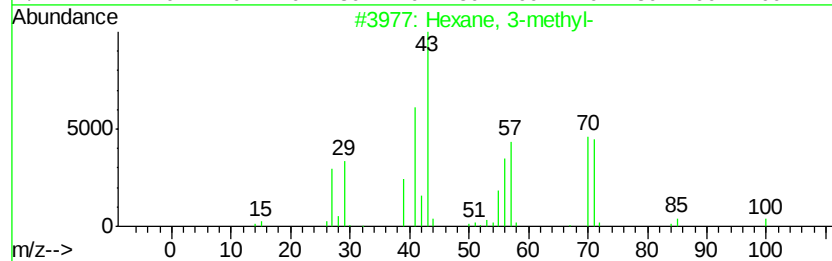
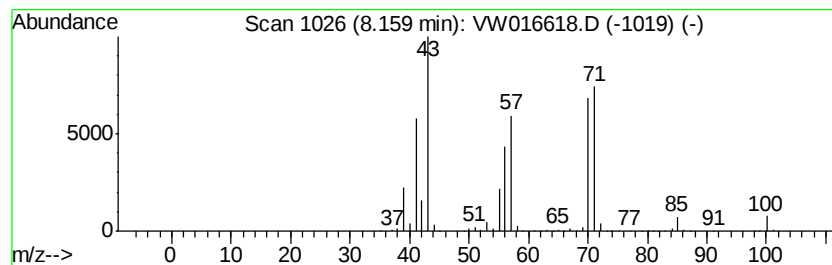
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	41.69 ug/L	2425310	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3		Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4		Heptane	100	C7H16	000142-82-5	80
5		Heptane	100	C7H16	000142-82-5	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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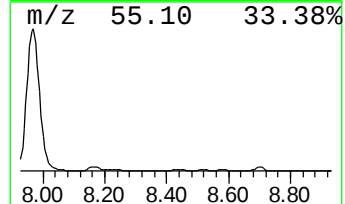
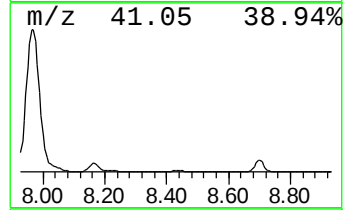
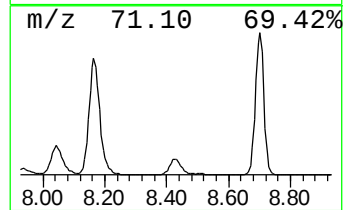
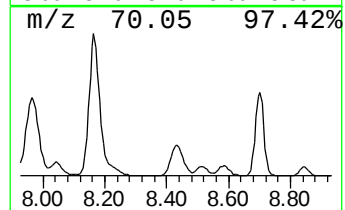
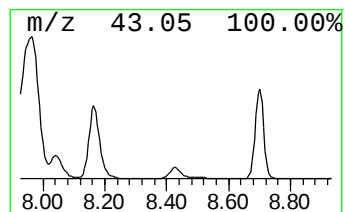
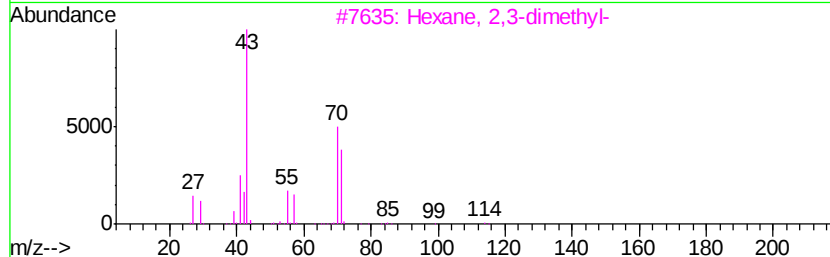
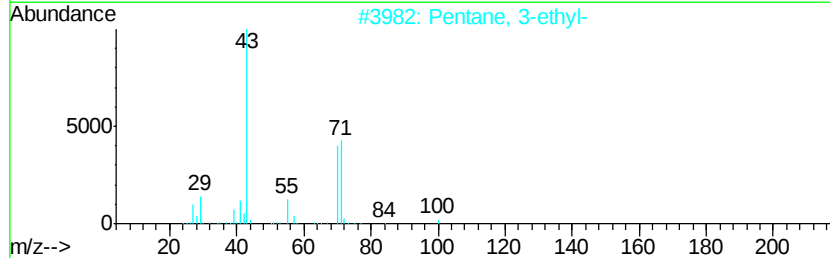
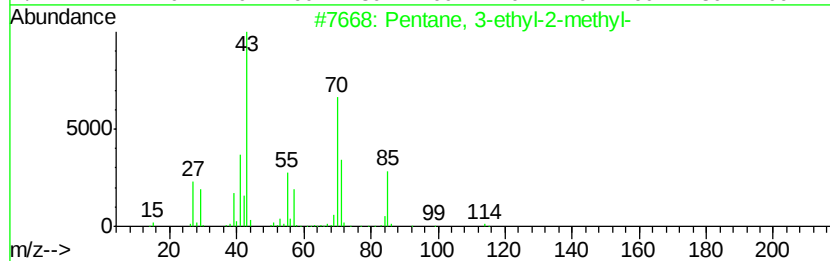
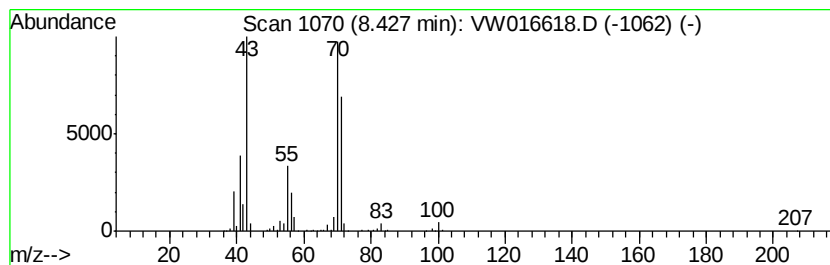
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	8.19 ug/L	476499	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	56
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	46
3		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45
4		1-Heptene, 4-methyl-	112	C8H16	013151-05-8	45
5		Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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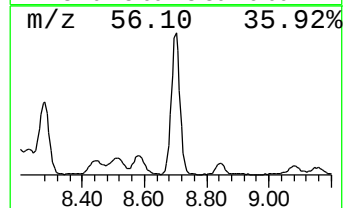
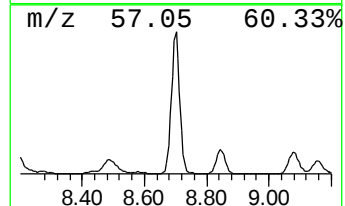
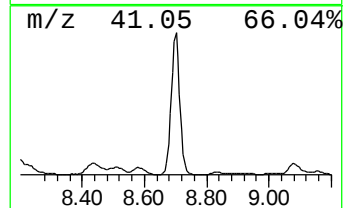
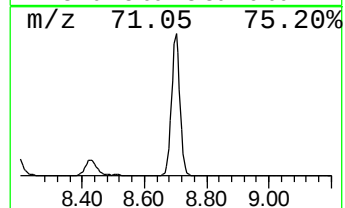
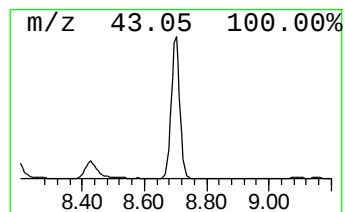
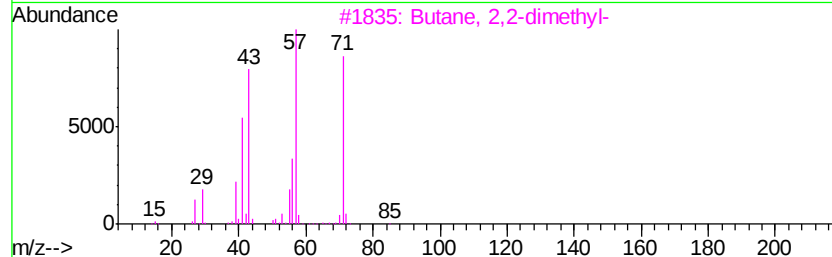
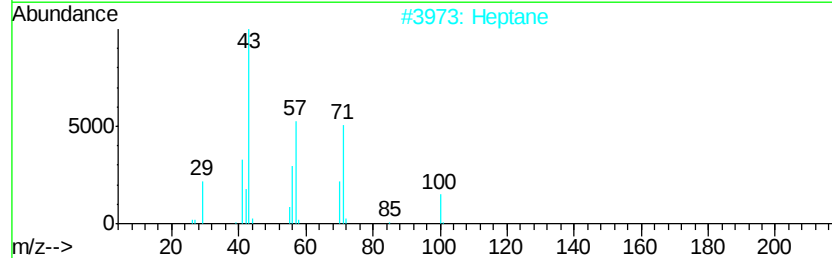
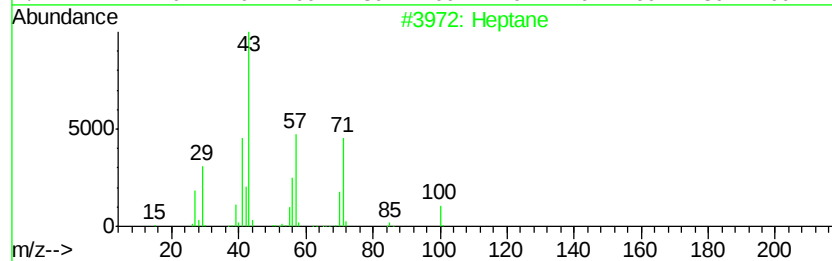
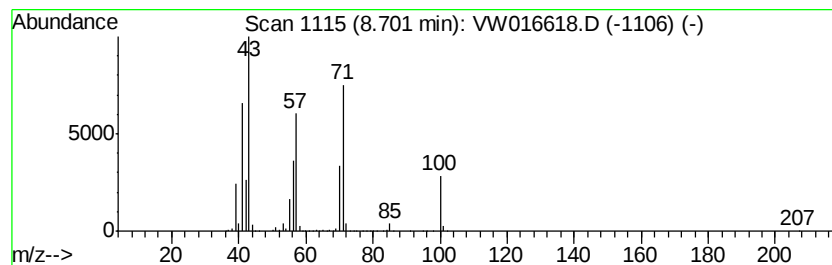
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Quant Title : VOC Analysis

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

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	40.54 ug/L	2358060	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	91
2		Heptane	100	C7H16	000142-82-5	58
3		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4		Heptane	100	C7H16	000142-82-5	53
5		Heptane	100	C7H16	000142-82-5	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

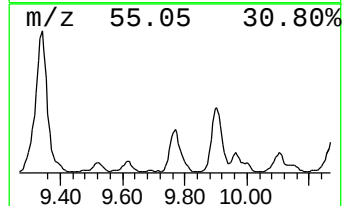
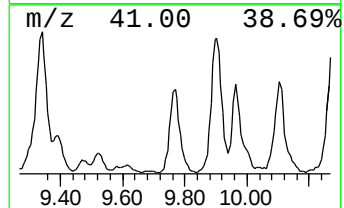
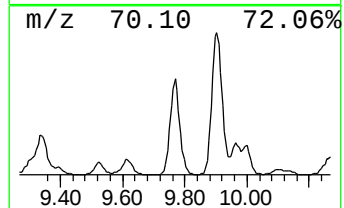
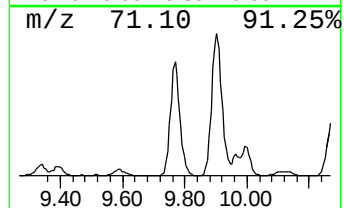
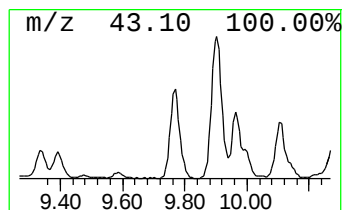
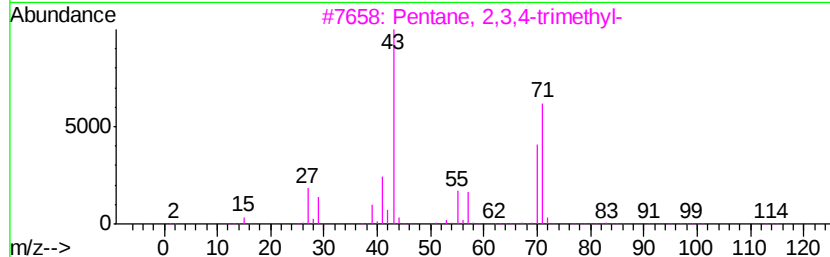
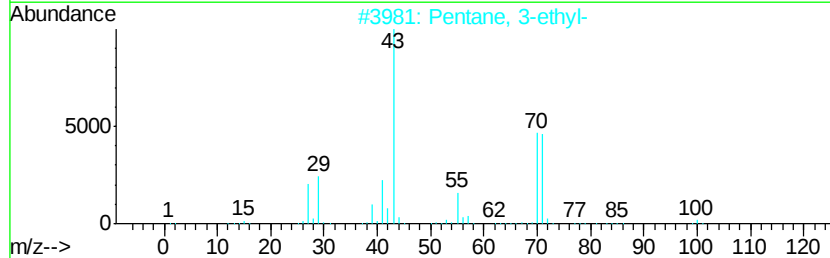
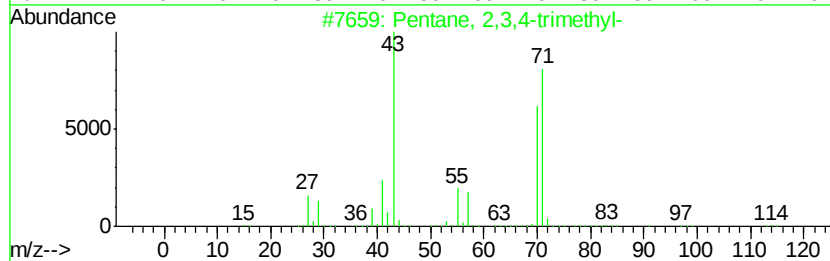
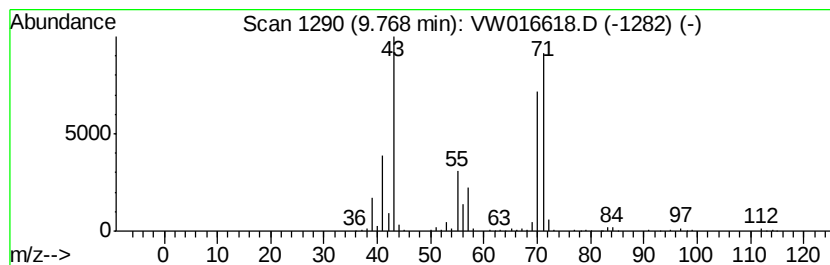
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	7.70 ug/L	447798	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2		Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	72
5		Propanoic acid, 2-methyl-, 2-eth...	200	C12H24O2	035061-61-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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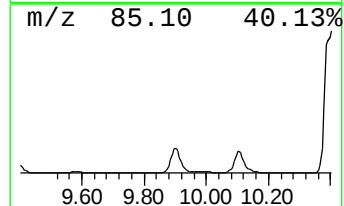
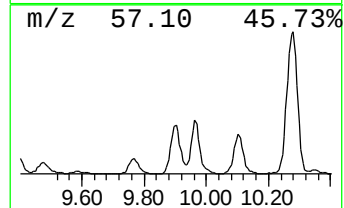
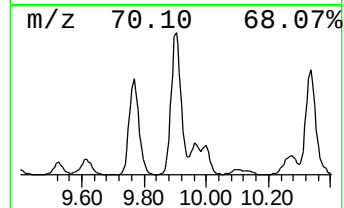
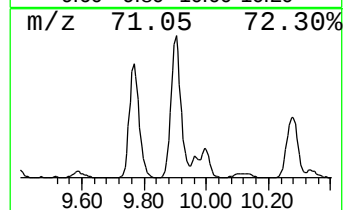
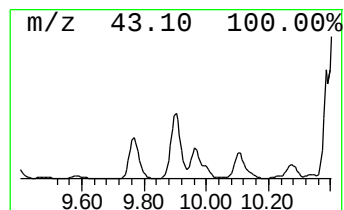
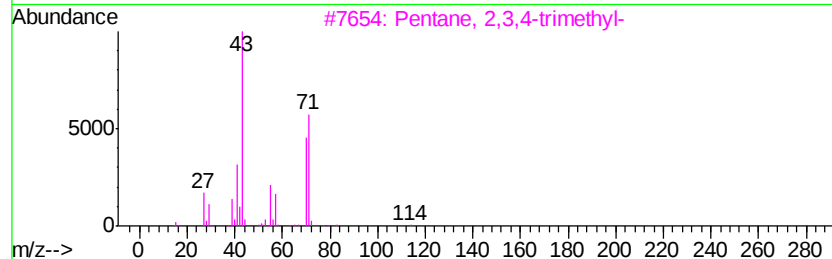
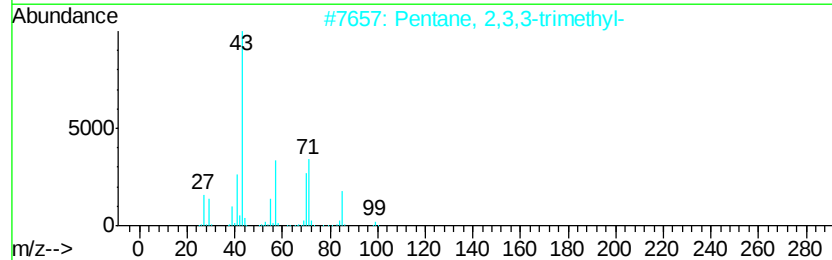
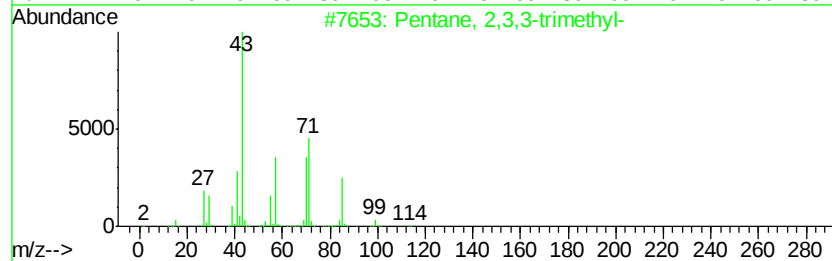
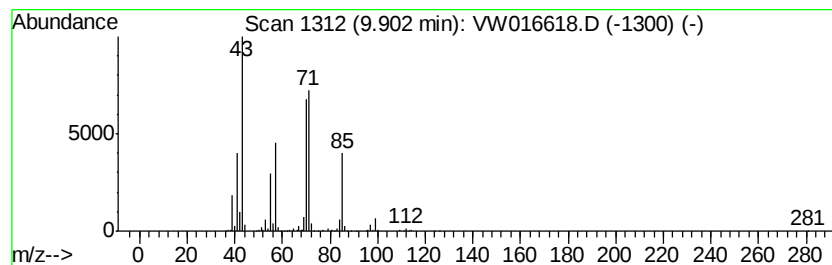
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Quant Title : VOC Analysis

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

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	14.26 ug/L	829681	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	83
2		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	62
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

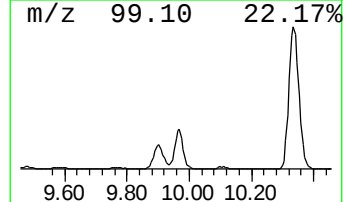
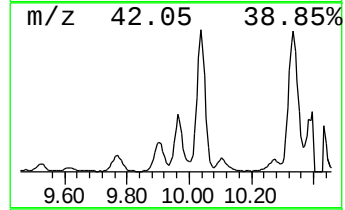
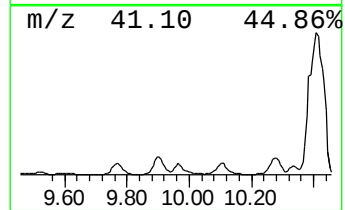
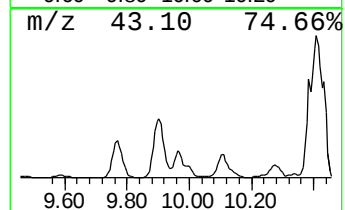
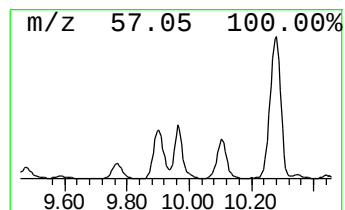
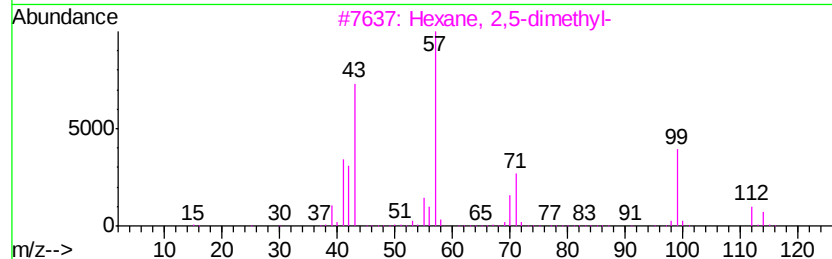
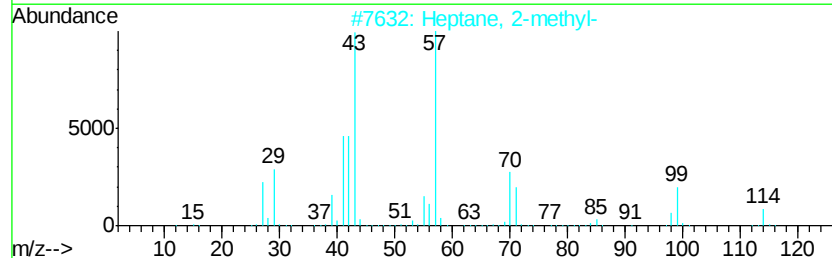
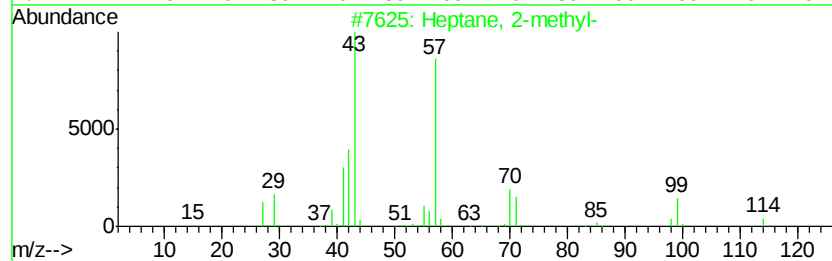
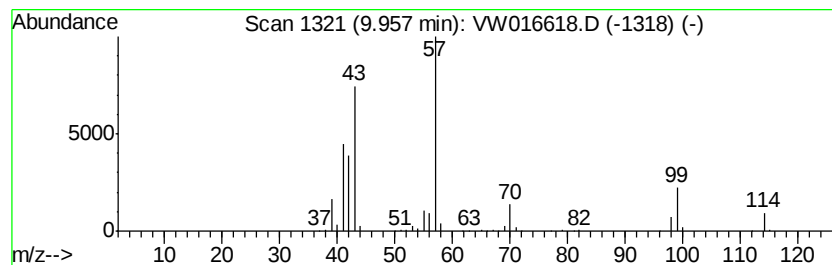
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Quant Title : VOC Analysis

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

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	5.22 ug/L	303467	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	86
2		Heptane, 2-methyl-	114	C8H18	000592-27-8	86
3		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
4		Heptane, 2-methyl-	114	C8H18	000592-27-8	50
5		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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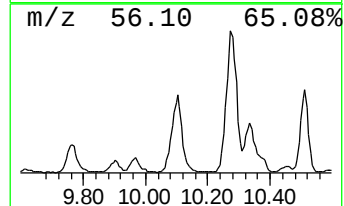
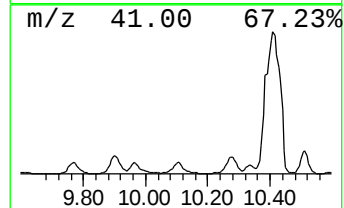
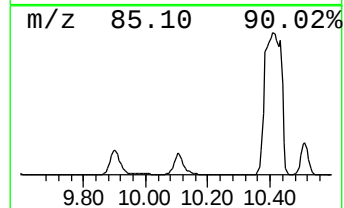
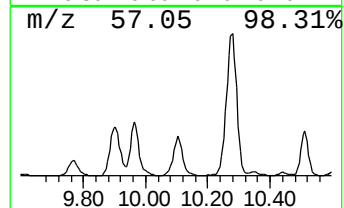
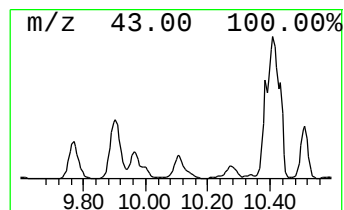
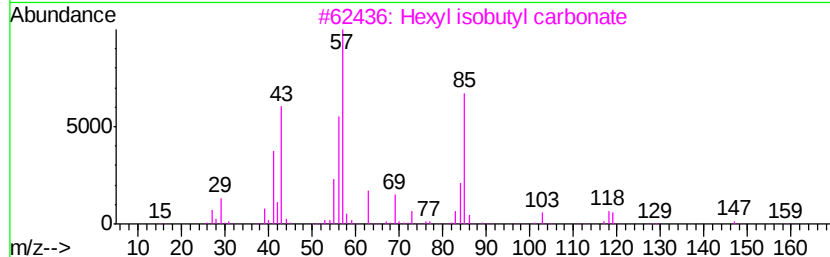
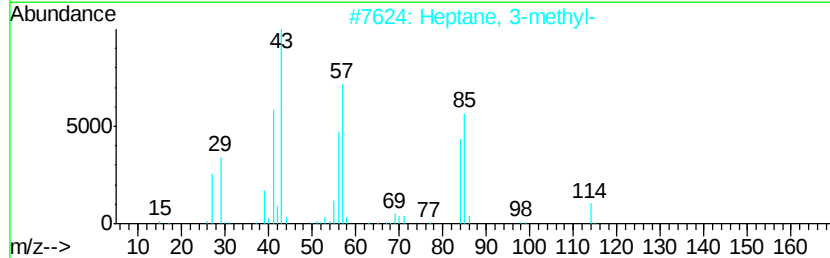
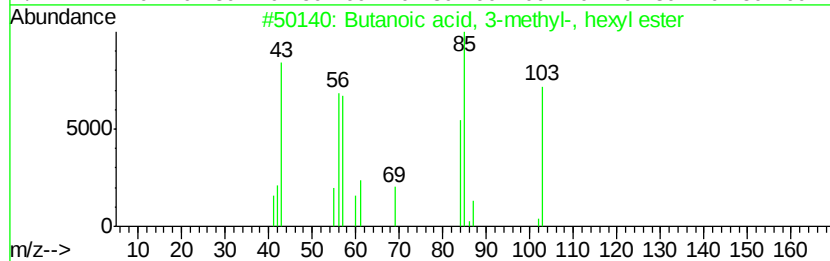
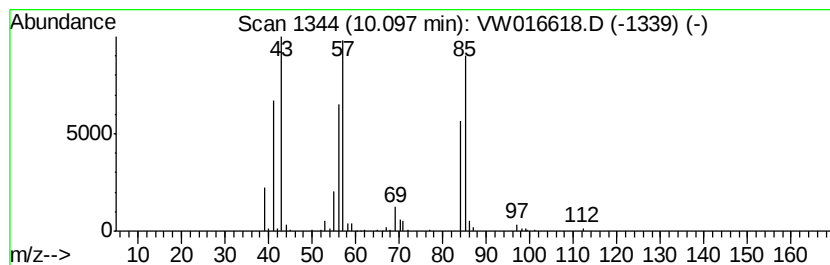
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Quant Title : VOC Analysis

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

Peak Number 19 Butanoic acid, 3-methyl-, h... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	7.33 ug/L	426440	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butanoic acid, 3-methyl-, hexyl ...	186	C11H22O2	010032-13-0	72
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	59
3		Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	59
4		Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	59
5		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

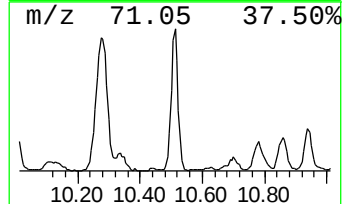
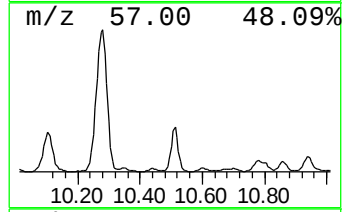
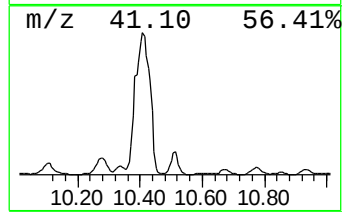
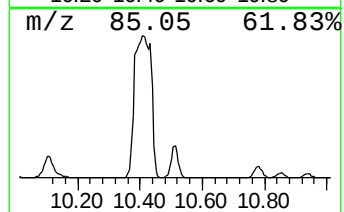
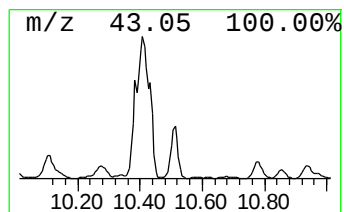
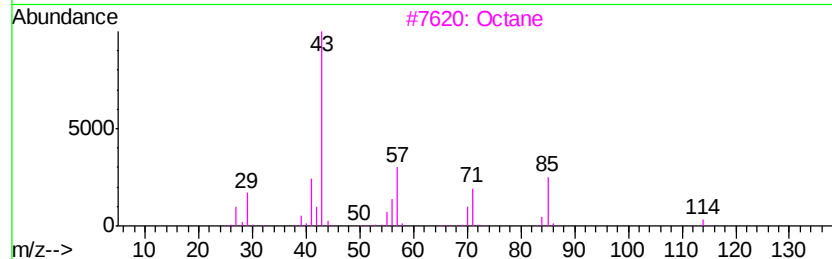
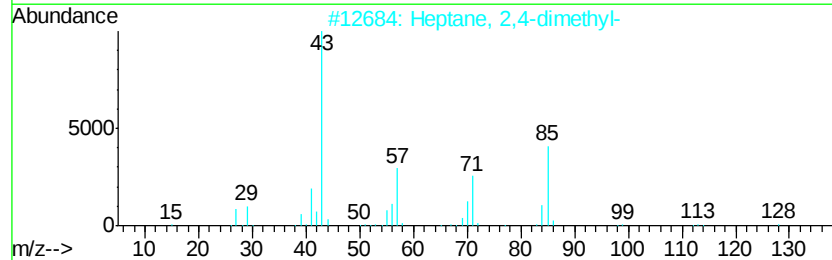
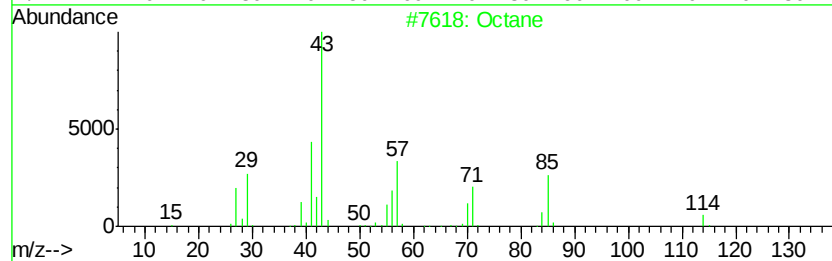
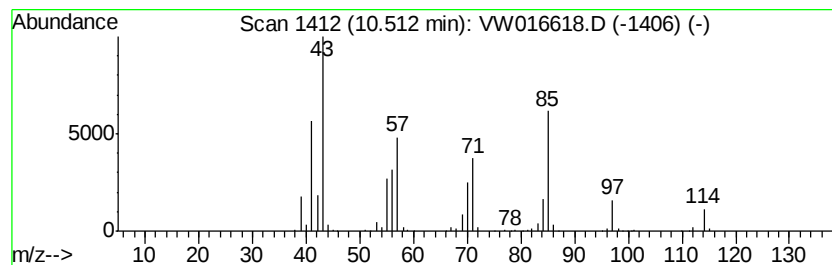
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Quant Title : VOC Analysis

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

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	4.02 ug/L	613444	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane	114	C8H18	000111-65-9	90
2			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
3			Octane	114	C8H18	000111-65-9	64
4			Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	64
5			Octane	114	C8H18	000111-65-9	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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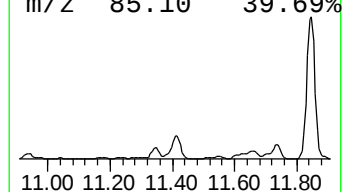
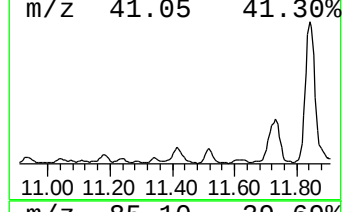
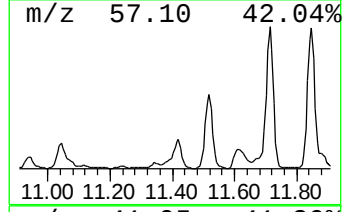
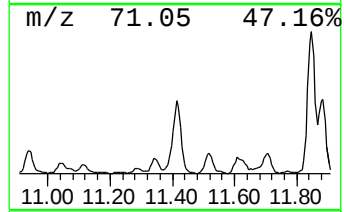
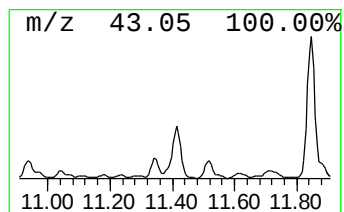
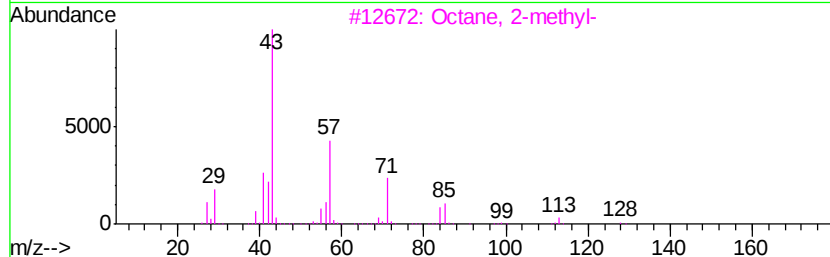
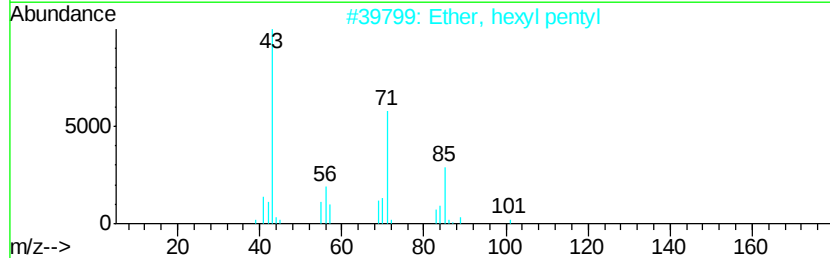
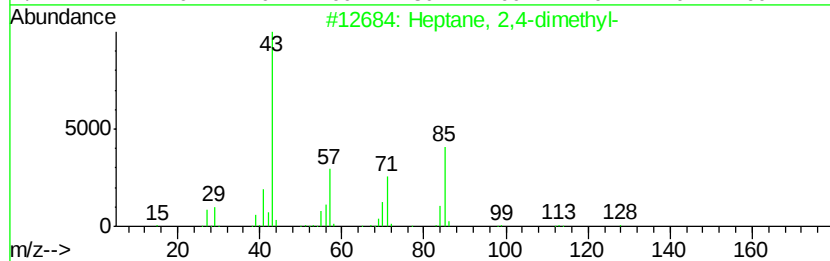
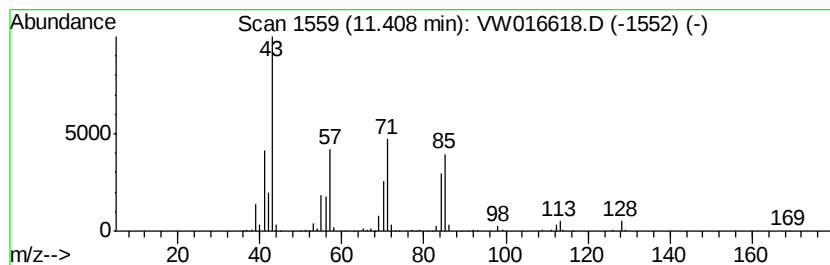
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Quant Title : VOC Analysis

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

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	3.65 ug/L	556791	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	64
2			Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
3			Octane, 2-methyl-	128	C9H20	003221-61-2	59
4			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	58
5			Octane, 2-methyl-	128	C9H20	003221-61-2	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

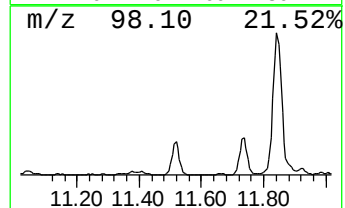
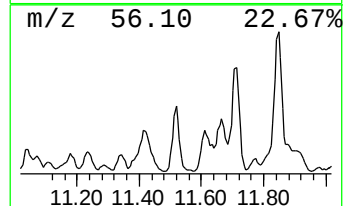
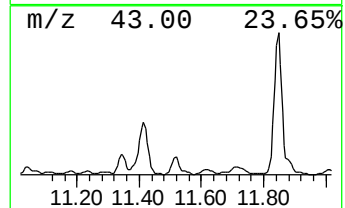
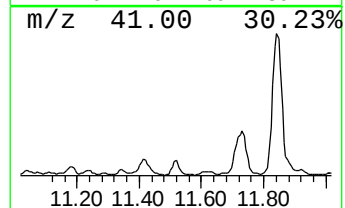
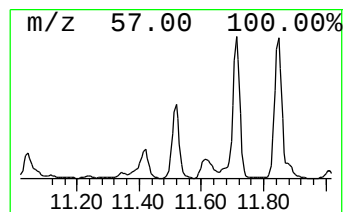
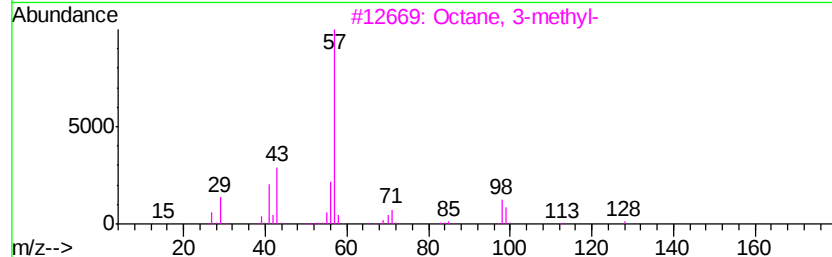
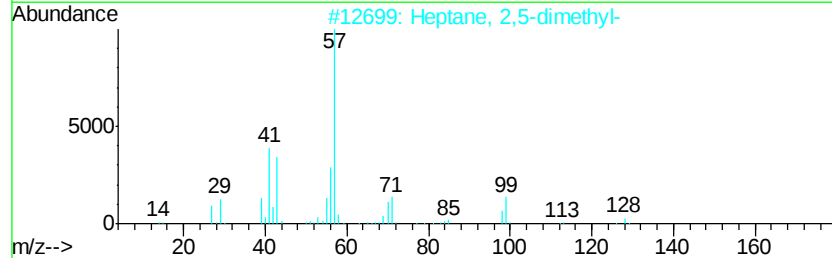
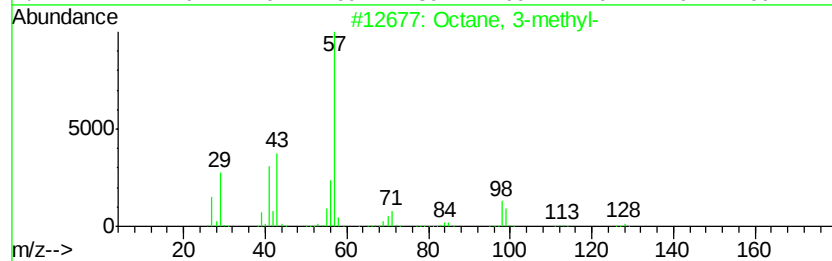
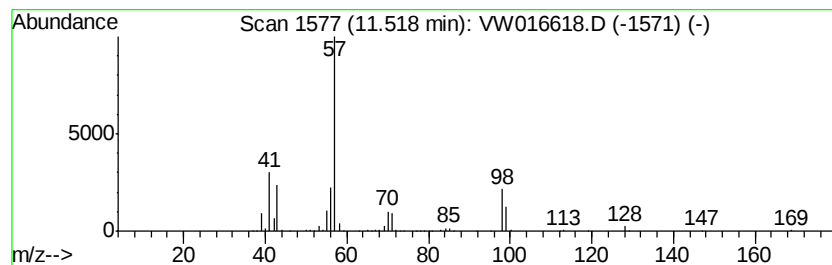
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Quant Title : VOC Analysis

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

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	2.03 ug/L	309907	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	76
3		Octane, 3-methyl-	128	C9H20	002216-33-3	74
4		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	72
5		Octane, 3-methyl-	128	C9H20	002216-33-3	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

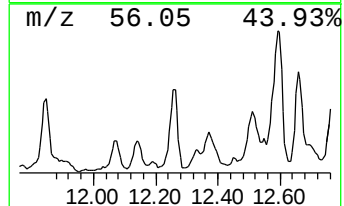
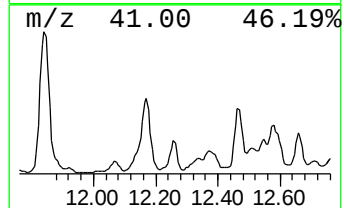
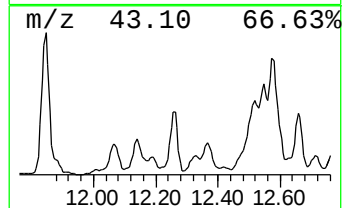
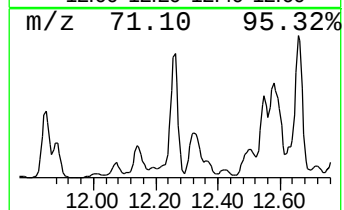
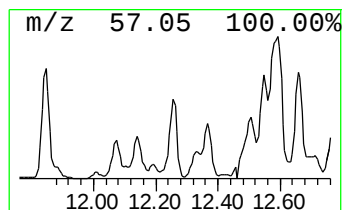
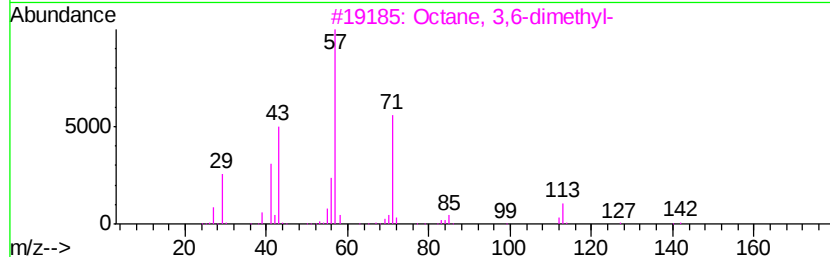
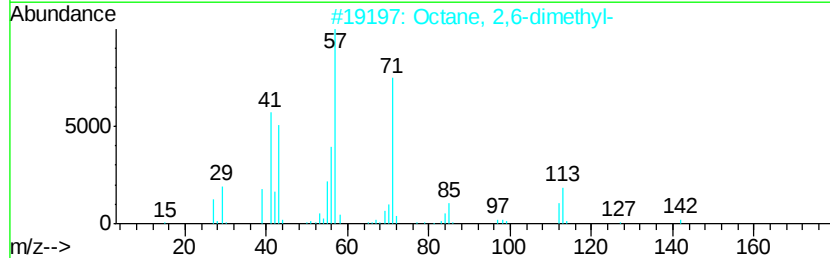
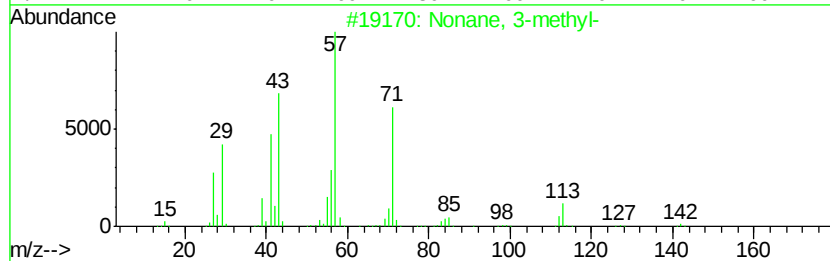
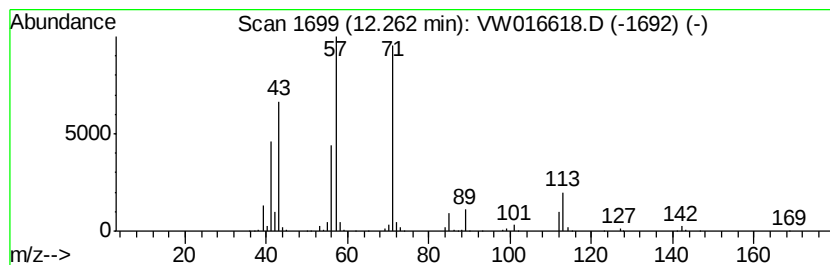
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Quant Title : VOC Analysis

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

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	4.45 ug/L	678403	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
4			Nonane, 3-methyl-	142	C10H22	005911-04-6	72
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

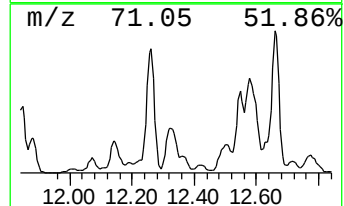
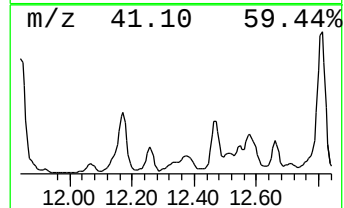
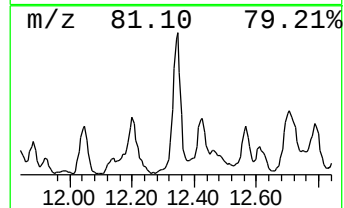
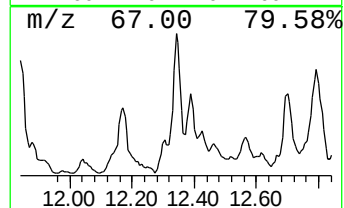
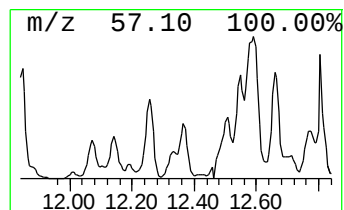
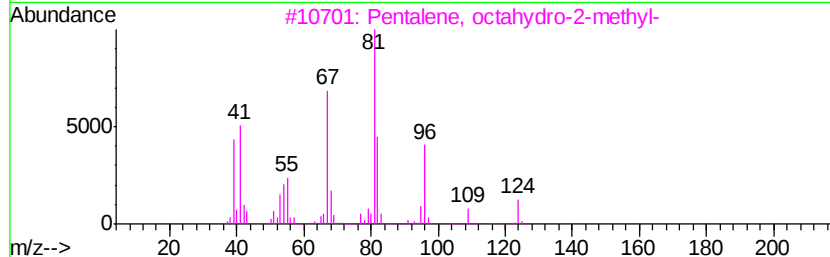
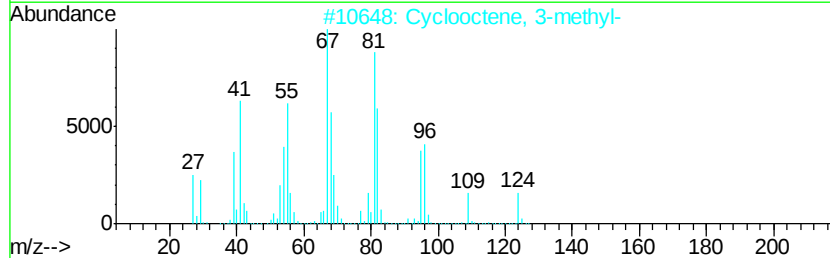
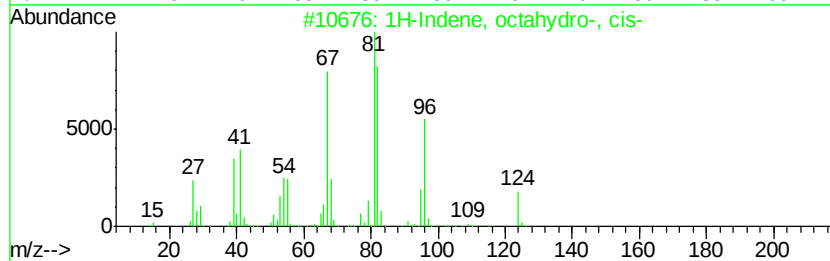
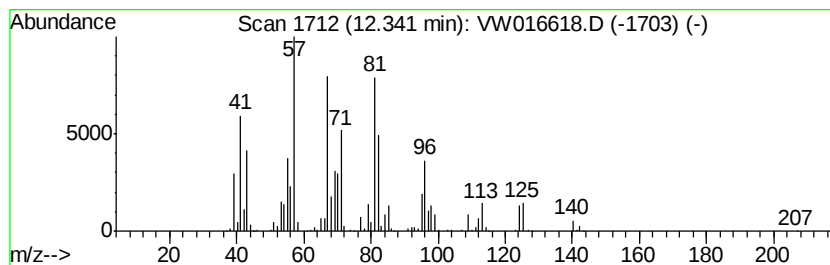
Instrument :
MSVOA_W
ClientSampleId :
BG3W9

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Quant Title : VOC Analysis

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

Peak Number 24 1H-Indene, octahydro-, cis- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.34	3.73 ug/L	569911	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	60
2		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	58
3		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	55
4		Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	49
5		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

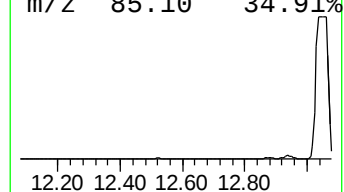
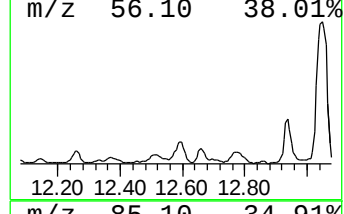
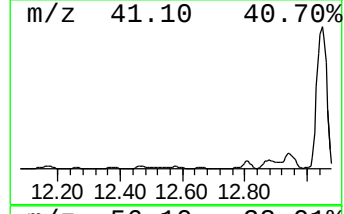
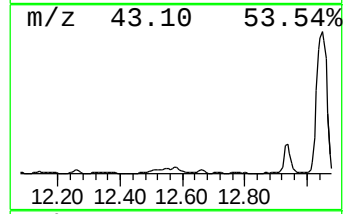
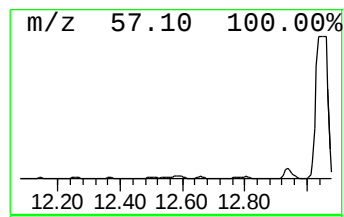
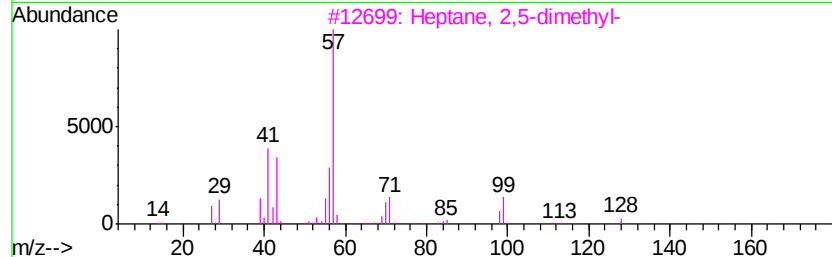
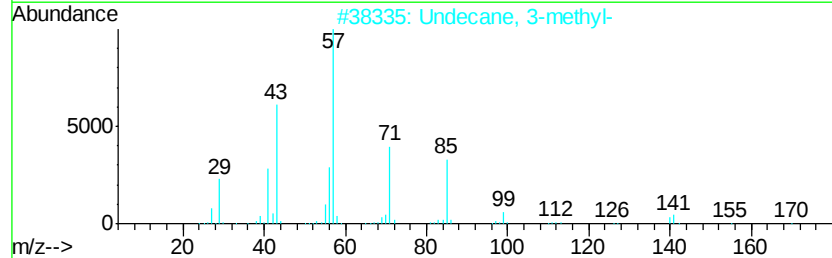
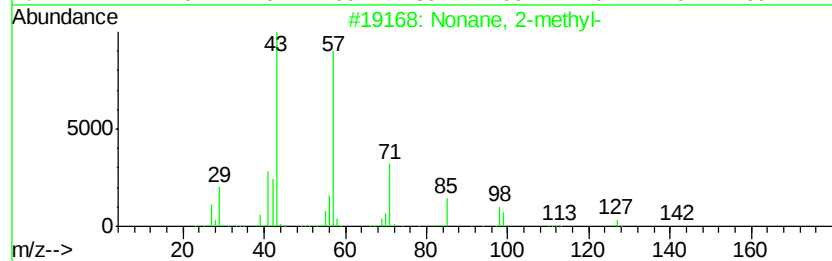
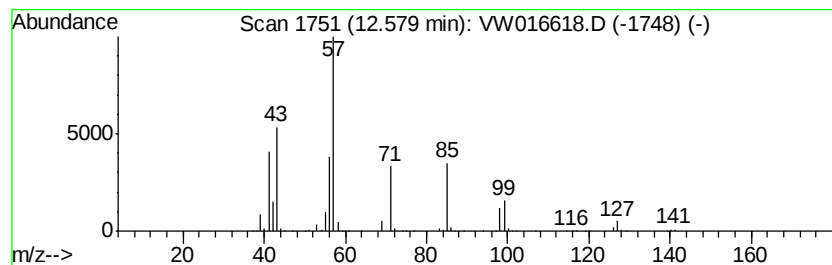
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Quant Title : VOC Analysis

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

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	7.33 ug/L	1119210	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2-methyl-	142	C10H22	000871-83-0	59
2		Undecane, 3-methyl-	170	C12H26	001002-43-3	53
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5		Nonane, 2-methyl-	142	C10H22	000871-83-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

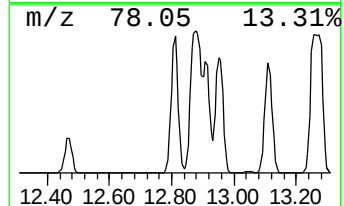
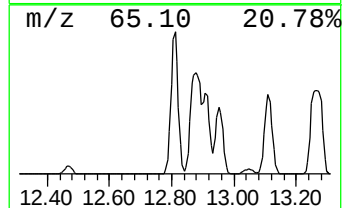
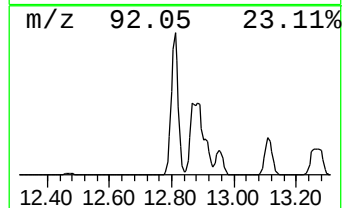
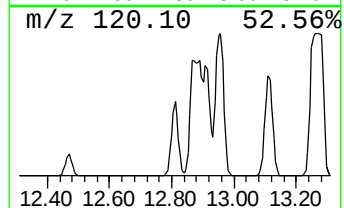
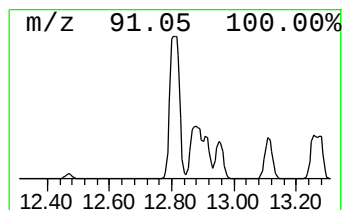
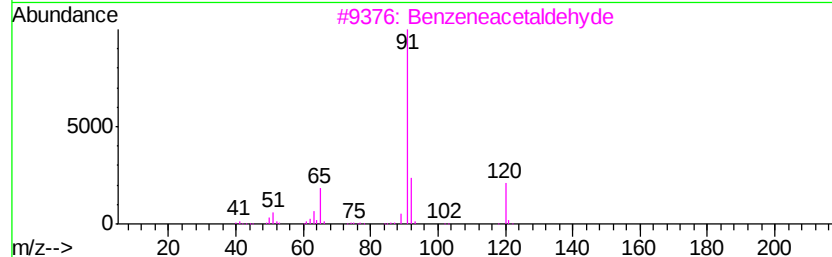
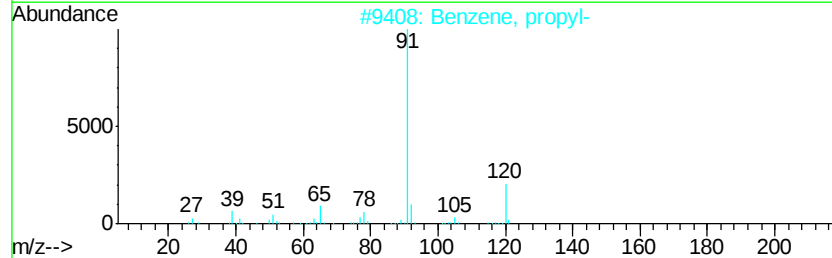
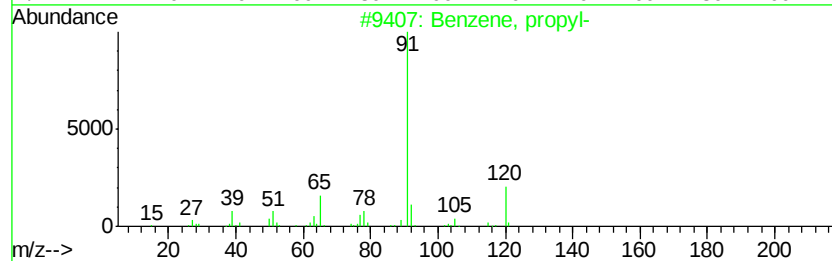
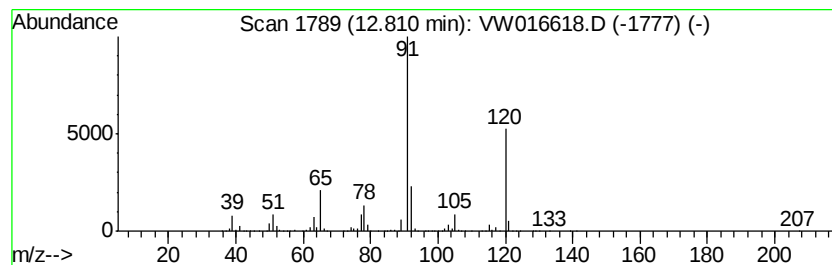
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, propyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.81	16.20 ug/L	50544600	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, propyl-	120	C9H12	000103-65-1	87
2		Benzene, propyl-	120	C9H12	000103-65-1	76
3		Benzeneacetaldehyde	120	C8H8O	000122-78-1	74
4		Benzeneacetaldehyde	120	C8H8O	000122-78-1	72
5		Benzeneacetaldehyde	120	C8H8O	000122-78-1	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3W9

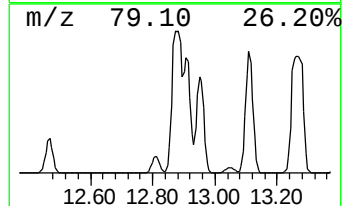
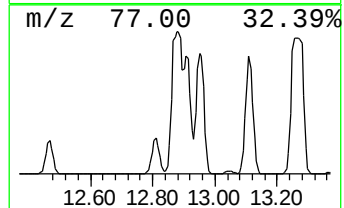
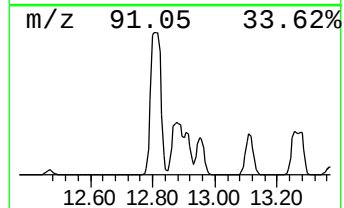
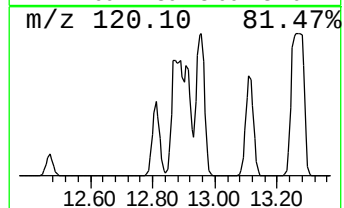
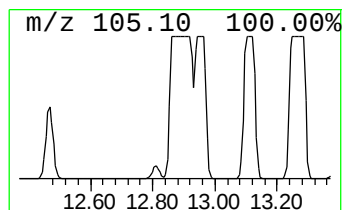
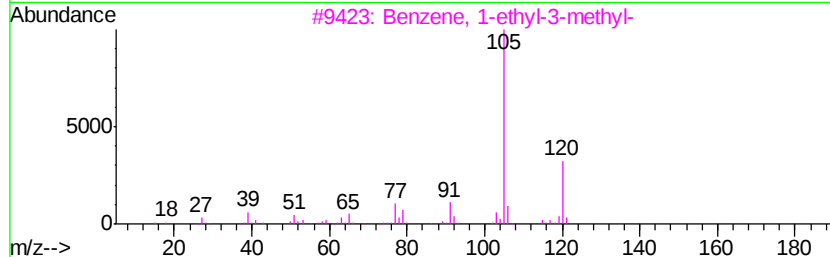
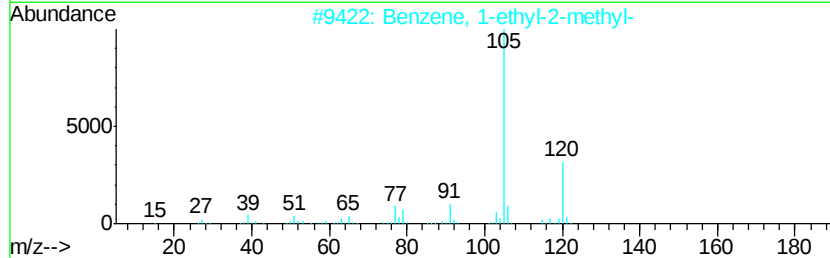
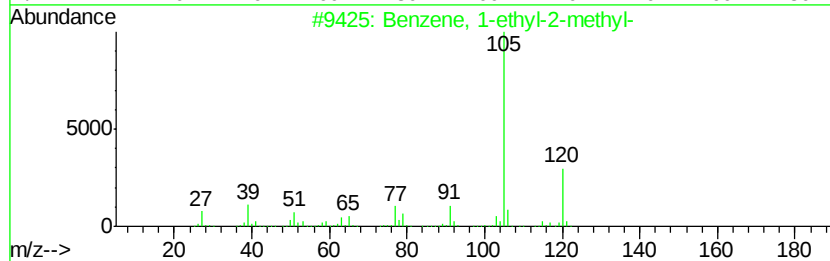
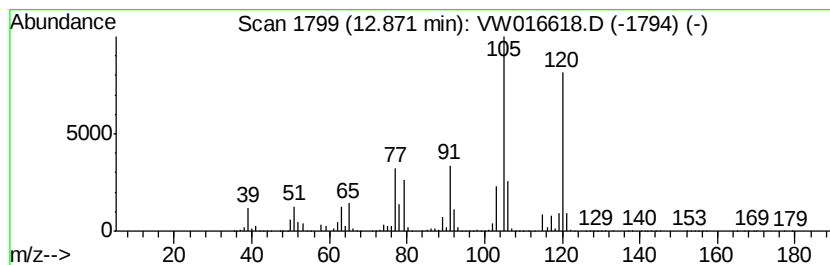
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1-ethyl-2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	26.08 ug/L	81404500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
4		Cyclohexene, 1-(1-propenyl)-	120	C9H12	001655-05-6	81
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

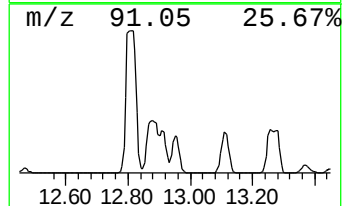
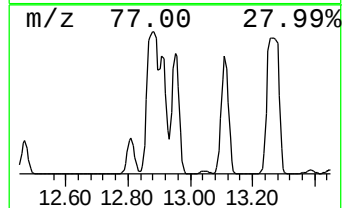
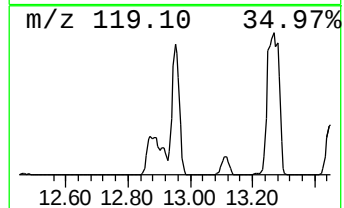
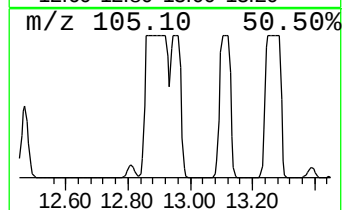
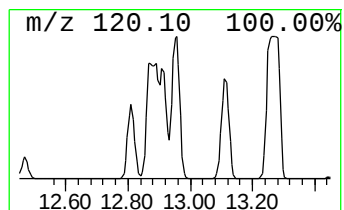
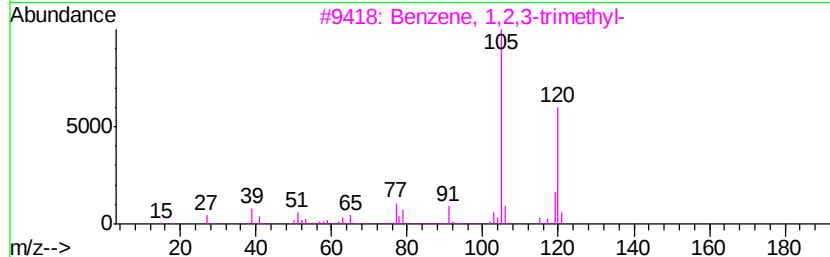
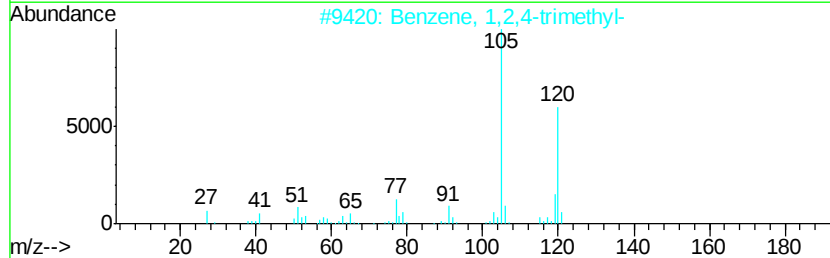
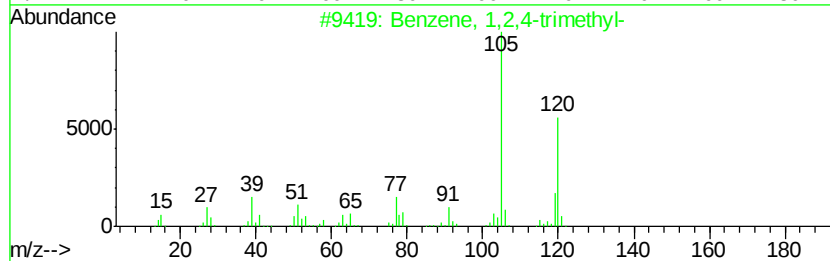
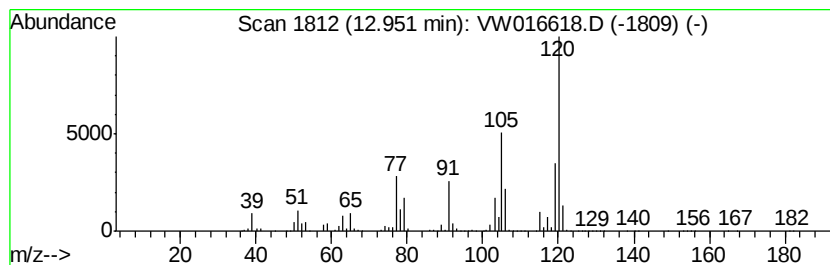
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,4-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	26.05 ug/L	81294200	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
2		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	83
5		Mesitylene	120	C9H12	000108-67-8	83



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

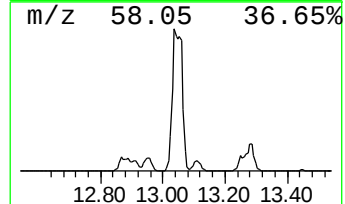
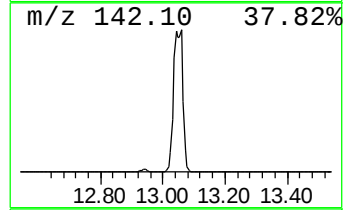
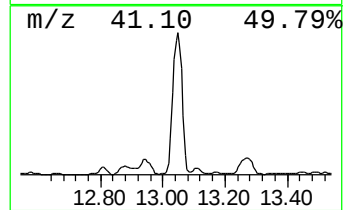
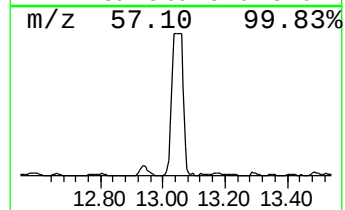
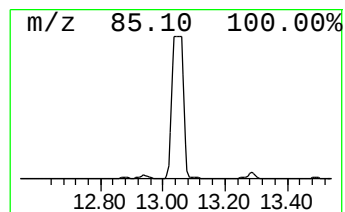
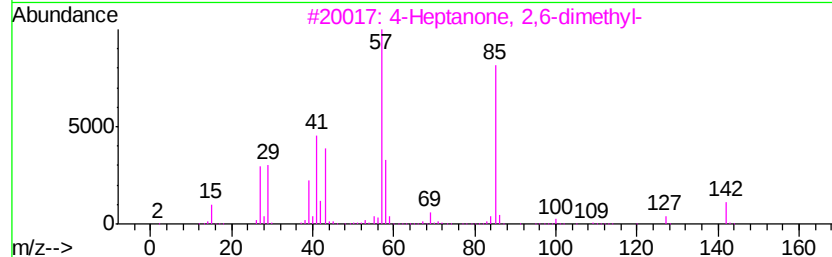
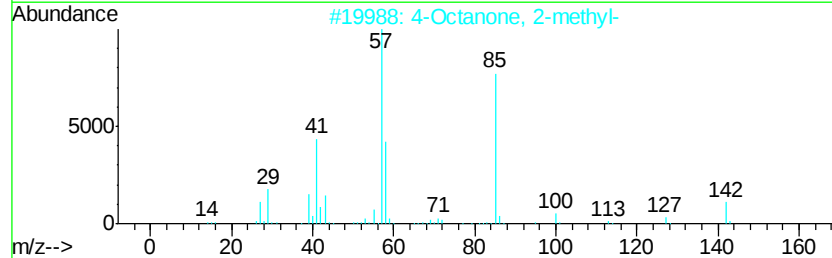
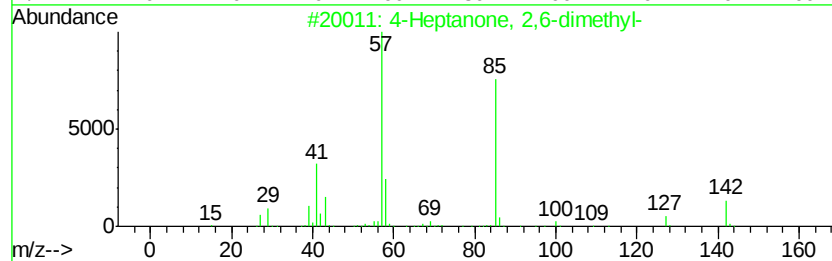
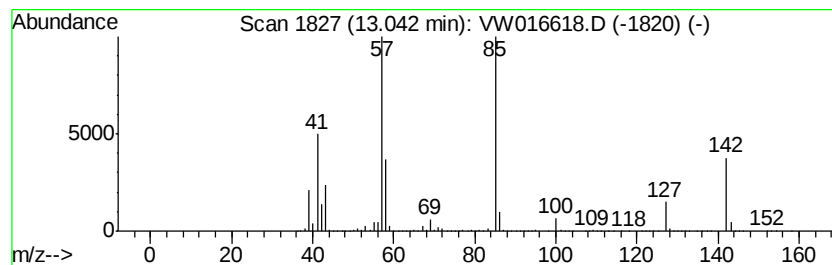
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Quant Title : VOC Analysis

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

Peak Number 29 4-Heptanone, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	32.07 ug/L	100093000	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2			4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	91
3			4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	83
4			2-Hydroxy-5,5-dimethyl-hex-2-en-...	142	C8H14O2	1000144-68-4	58
5			4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	56



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

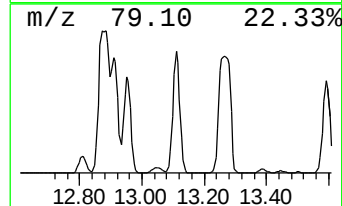
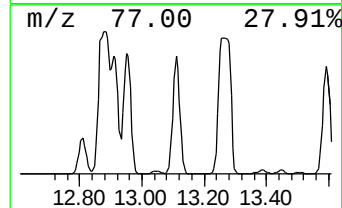
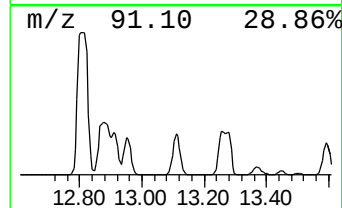
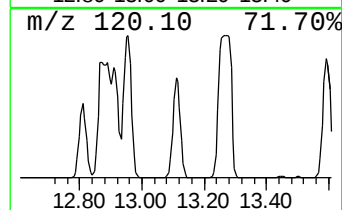
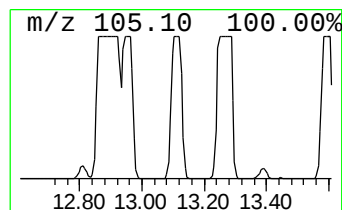
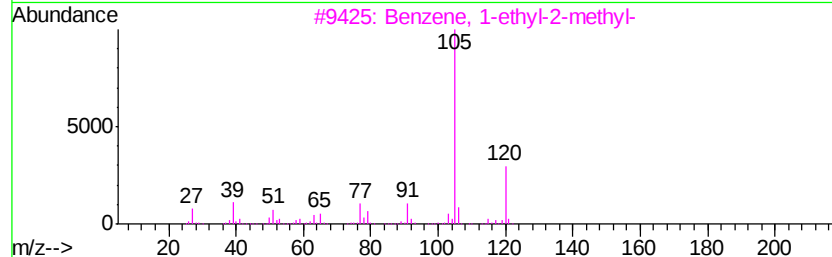
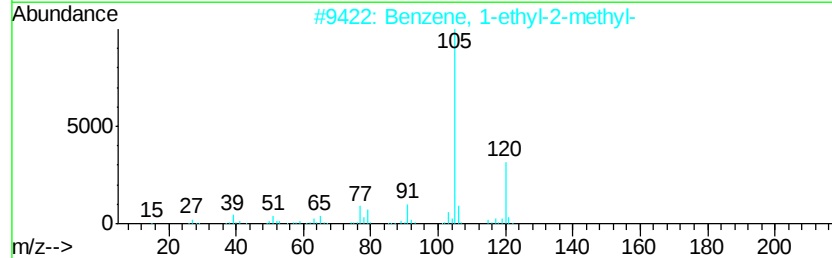
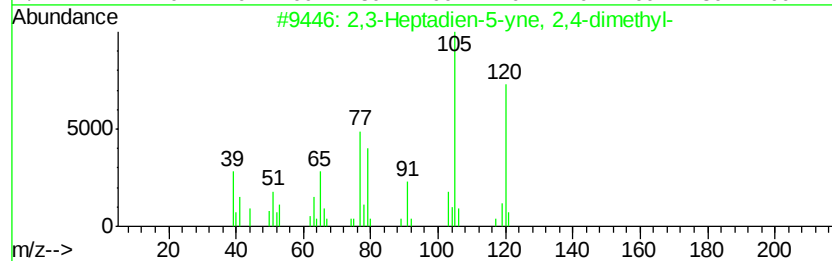
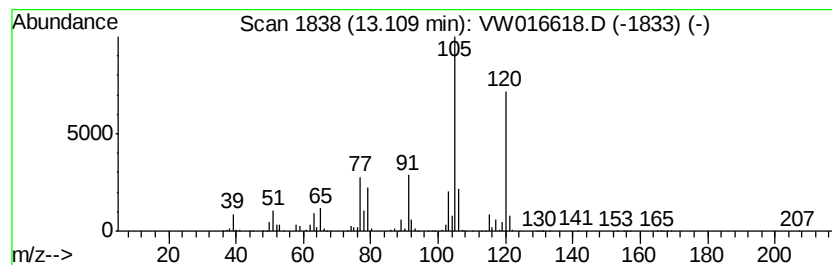
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Quant Title : VOC Analysis

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

Peak Number 30 2,3-Heptadien-5-yne, 2,4-di... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	22.89 ug/L	71436700	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	83
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
5		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

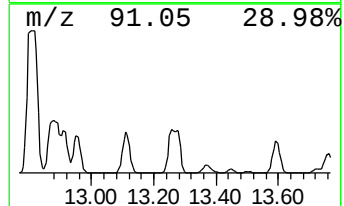
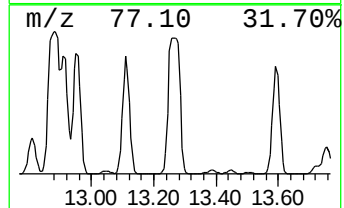
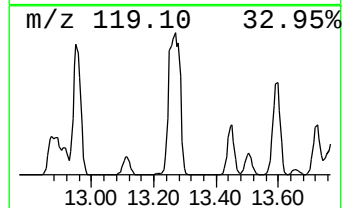
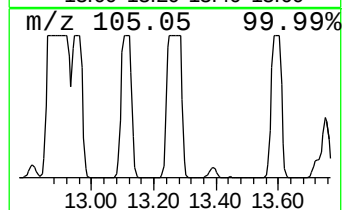
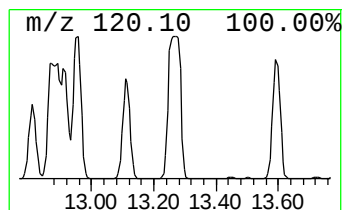
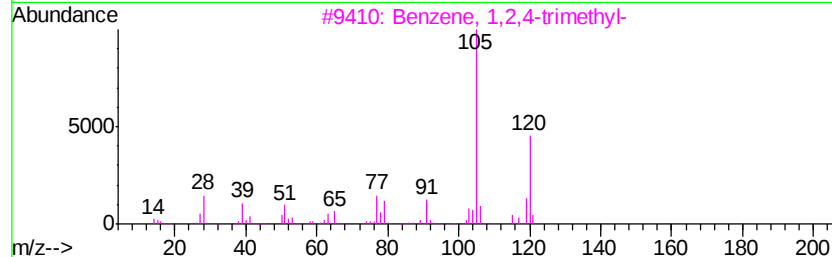
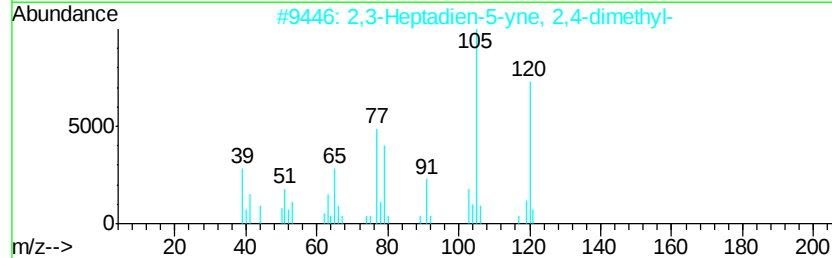
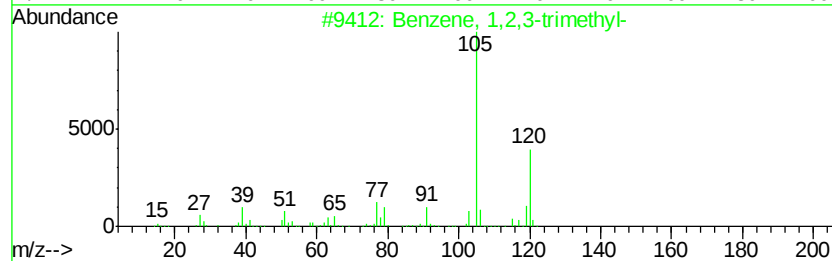
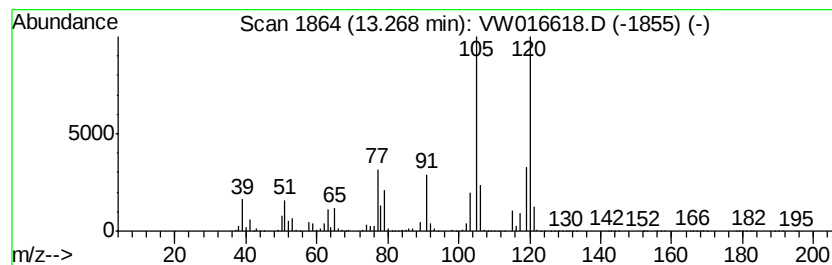
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 1,2,3-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	32.73 ug/L	102160000	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2		2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	83
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
5		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
BG3W9

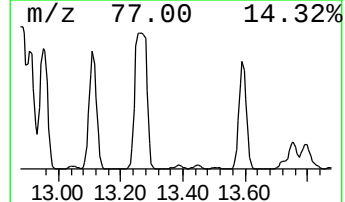
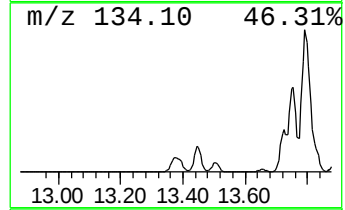
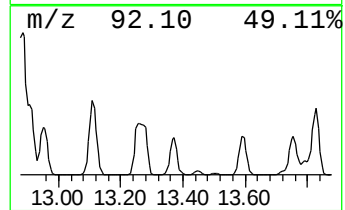
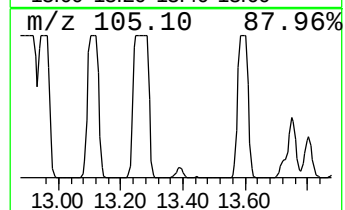
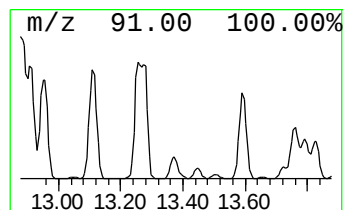
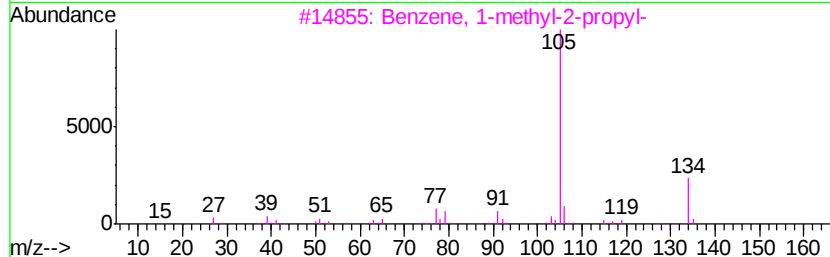
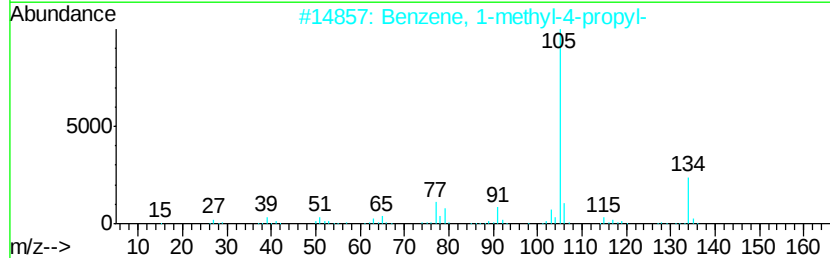
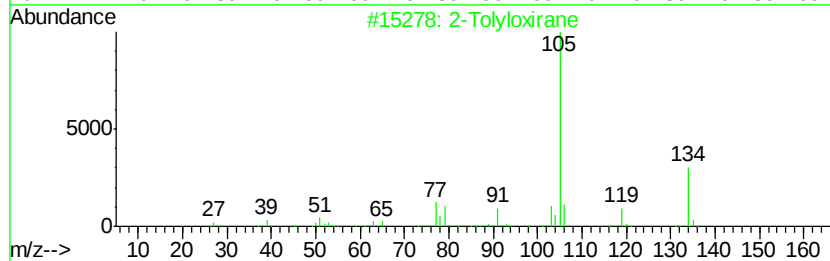
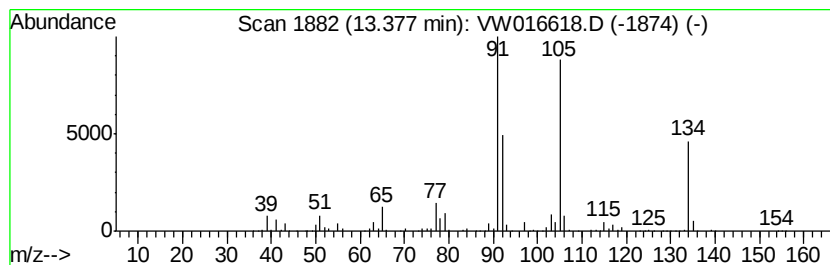
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Quant Title : VOC Analysis

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

Peak Number 32 2-Tolyloxirane Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	1.43 ug/L	4472070	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Tolyloxirane	134	C9H10O	002783-26-8	81
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	72
4		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64
5		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

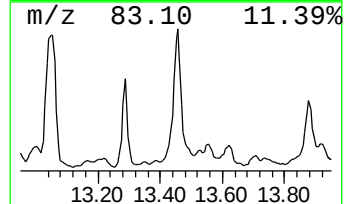
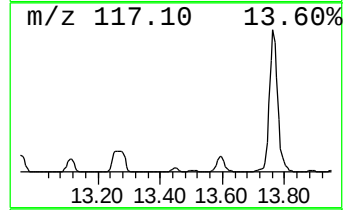
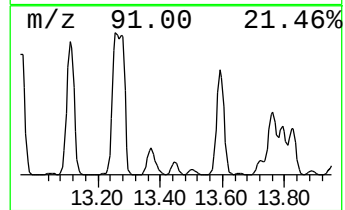
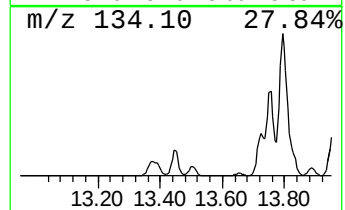
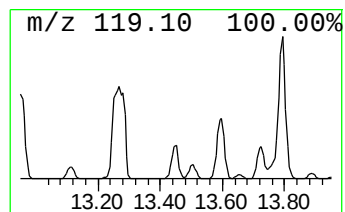
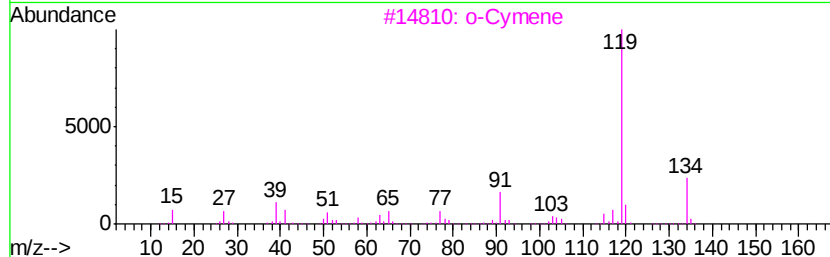
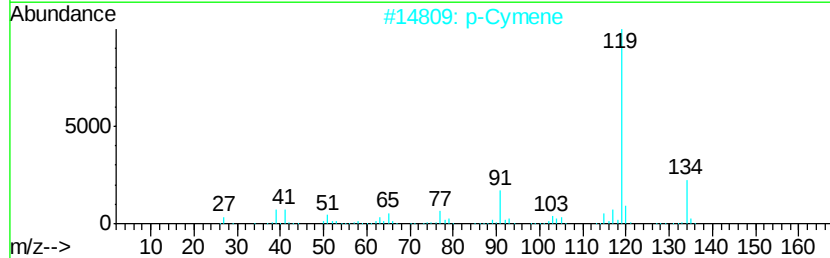
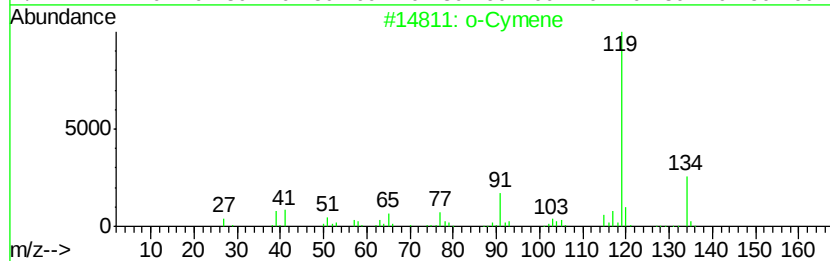
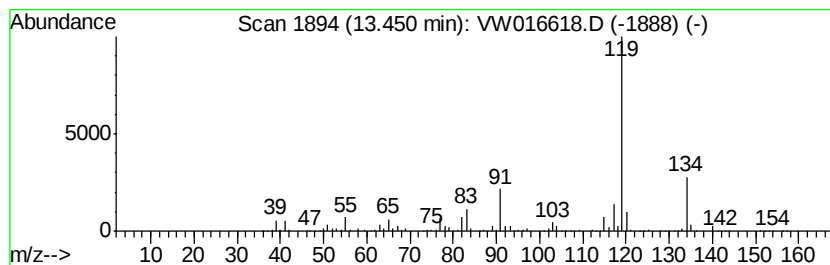
Instrument :
MSVOA_W
ClientSampleId :
BG3W9

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
Quant Title : VOC Analysis

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

Peak Number 33 o-Cymene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	1.72 ug/L	5367980	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		o-Cymene	134 C10H14	000527-84-4 95
2		p-Cymene	134 C10H14	000099-87-6 95
3		o-Cymene	134 C10H14	000527-84-4 95
4		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 95
5		Benzene, 1-methyl-3-(1-methyleth...	134 C10H14	000535-77-3 94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

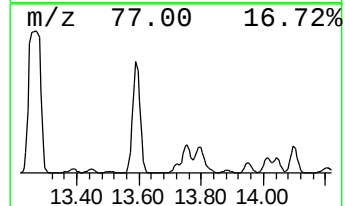
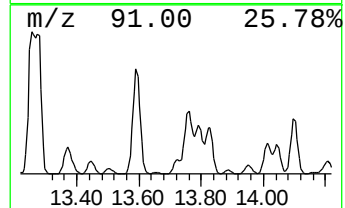
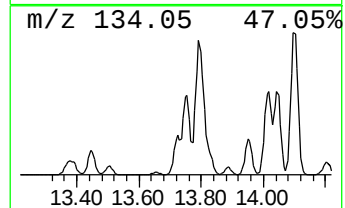
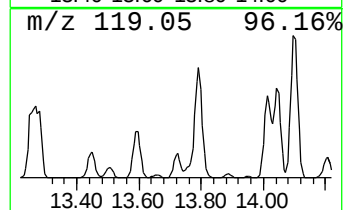
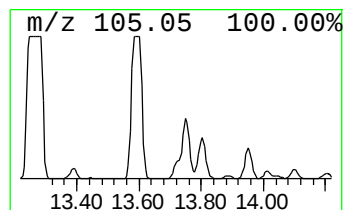
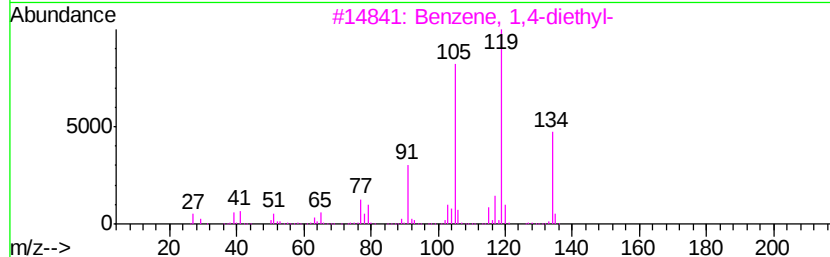
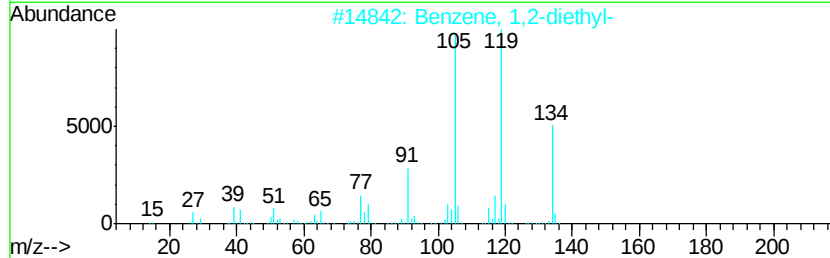
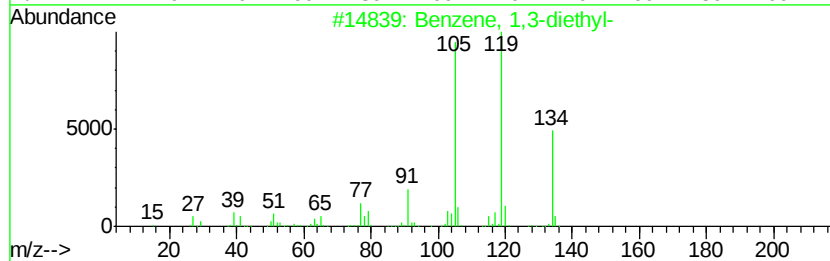
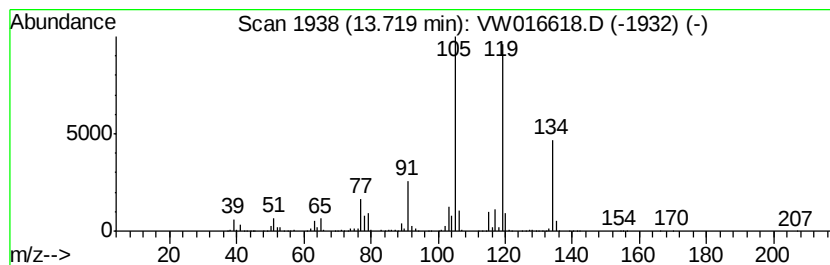
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, 1,3-diethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.09 ug/L	6517580	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

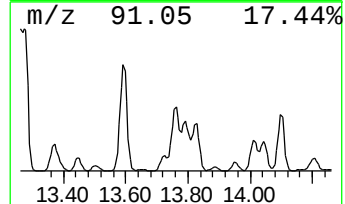
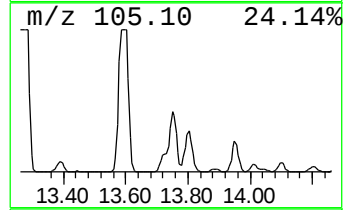
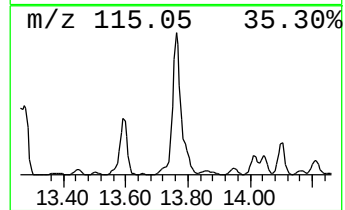
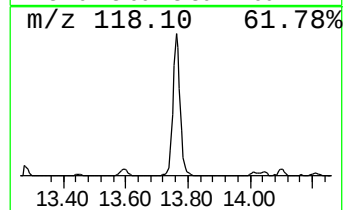
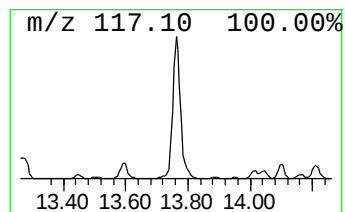
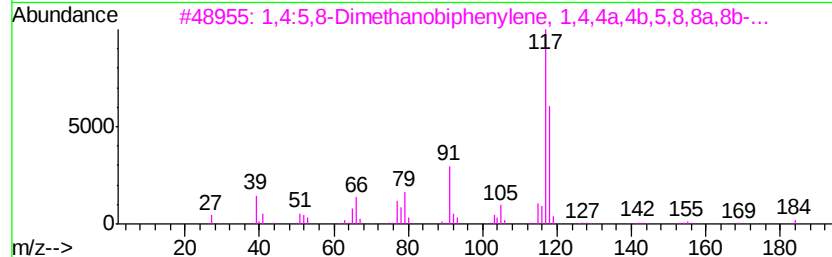
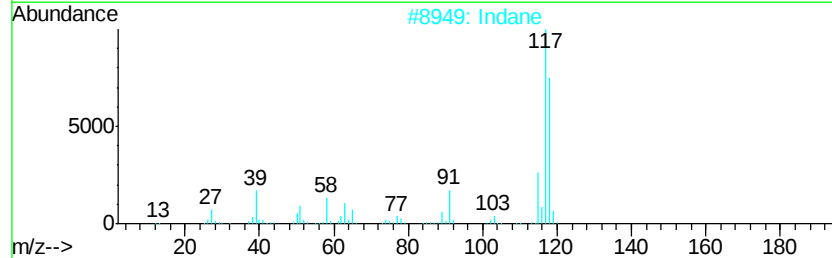
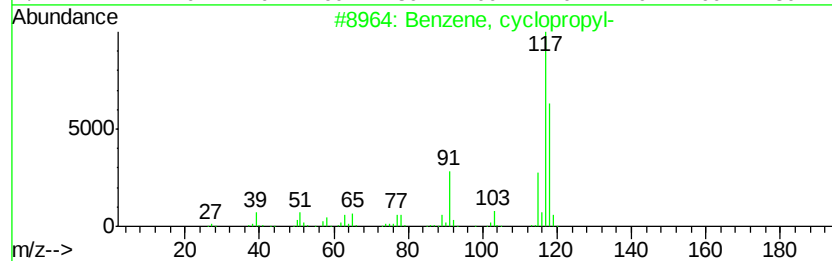
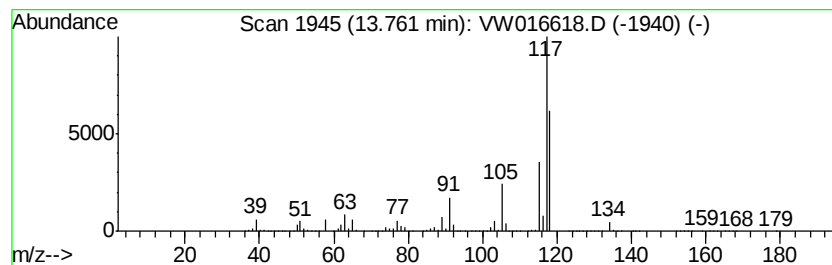
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Quant Title : VOC Analysis

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

Peak Number 35 Benzene, cyclopropyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	13.43 ug/L	41920500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cvclopropyl-	118	C9H10	000873-49-4	76
2		Indane	118	C9H10	000496-11-7	76
3		1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	64
4		Benzene, cvclopropyl-	118	C9H10	000873-49-4	62
5		Indane	118	C9H10	000496-11-7	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

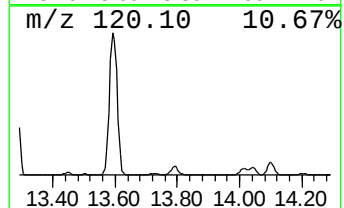
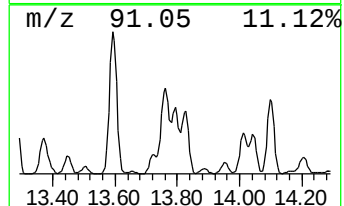
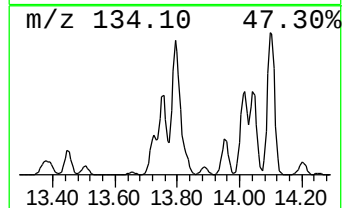
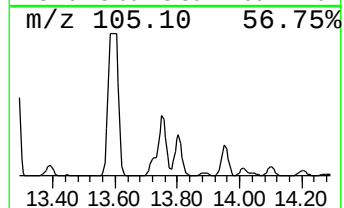
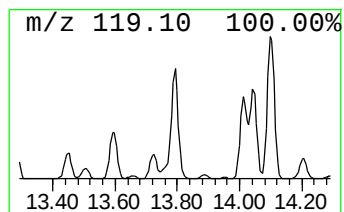
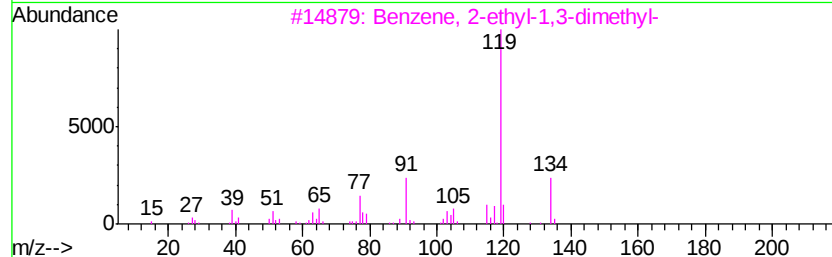
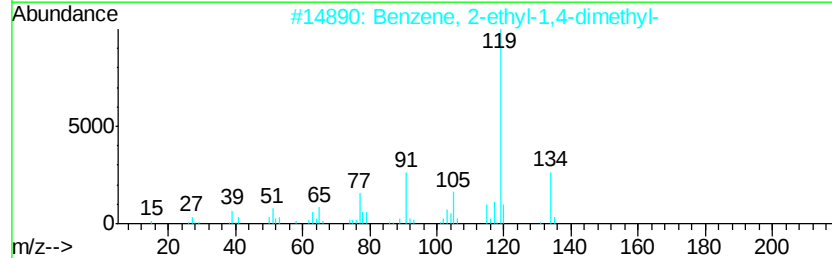
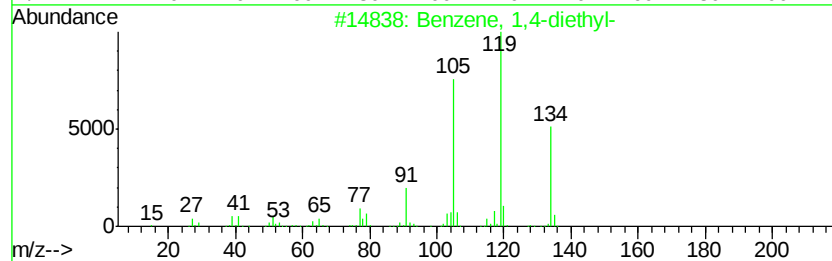
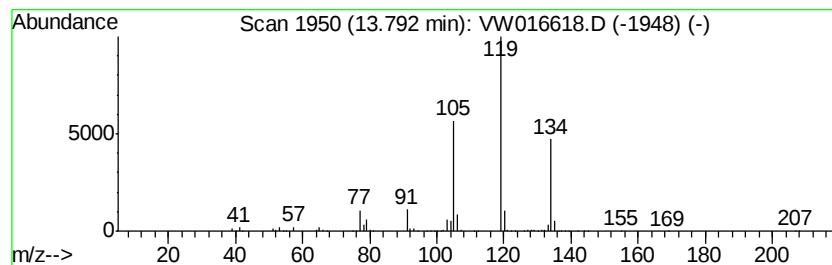
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Quant Title : VOC Analysis

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

Peak Number 36 Benzene, 1,4-diethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	7.85 ug/L	24484600	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

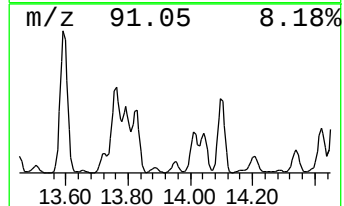
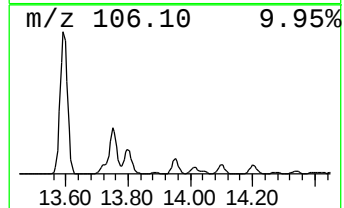
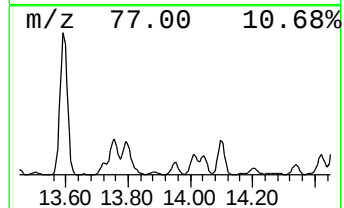
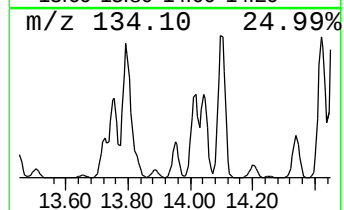
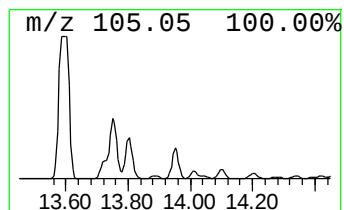
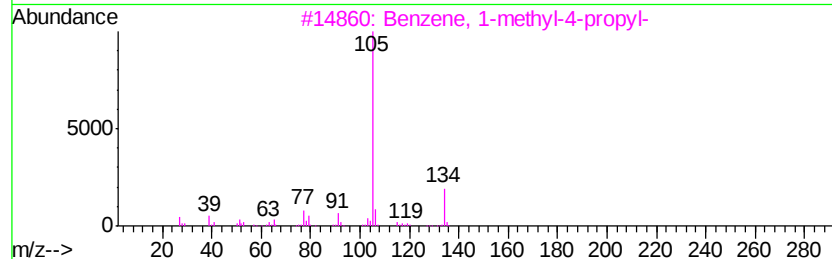
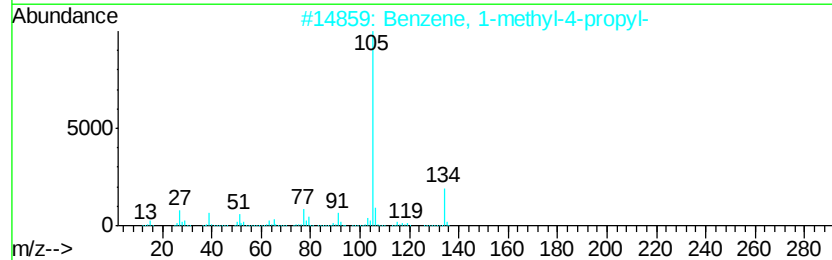
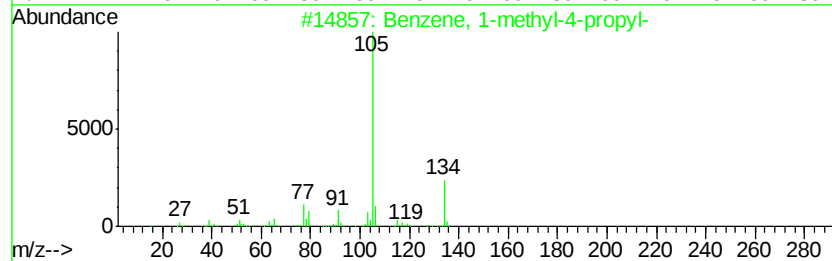
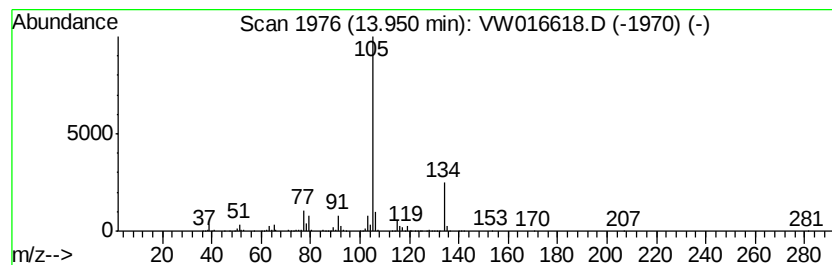
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Quant Title : VOC Analysis

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

Peak Number 37 Benzene, 1-methyl-4-propyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	1.97 ug/L	6144930	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

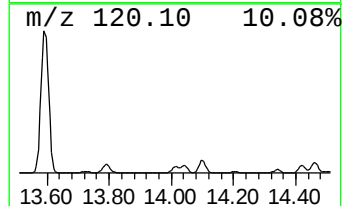
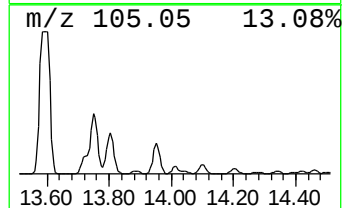
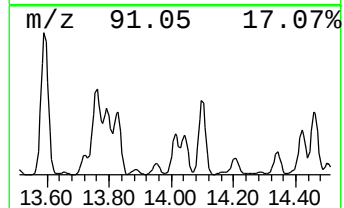
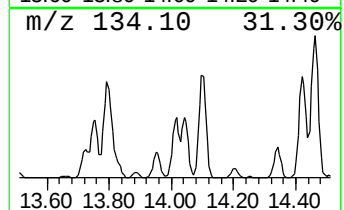
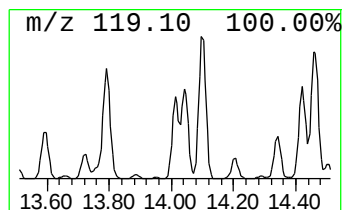
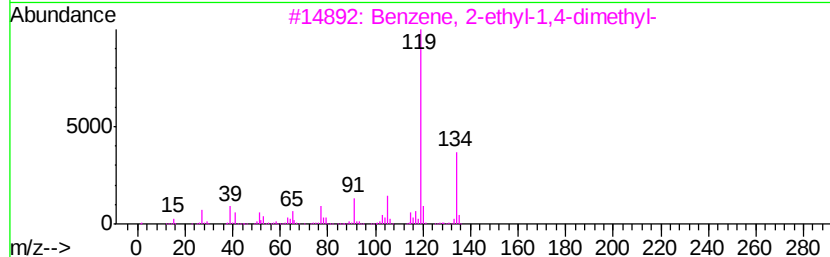
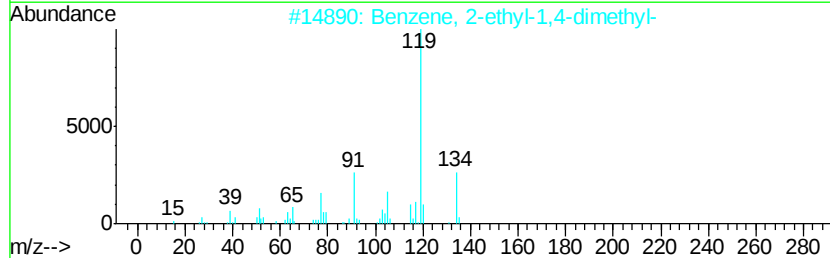
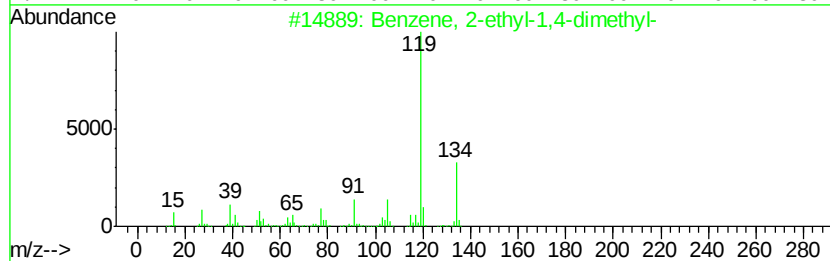
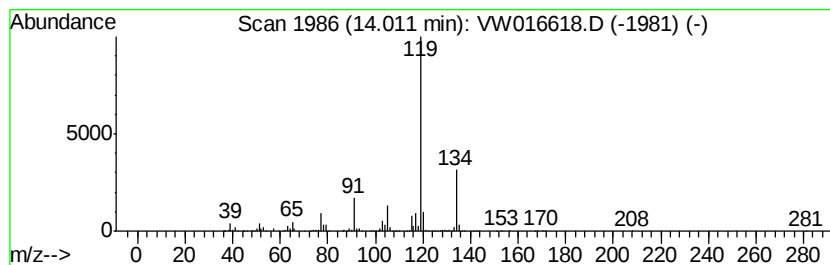
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Quant Title : VOC Analysis

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

Peak Number 38 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	4.75 ug/L	14815100	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

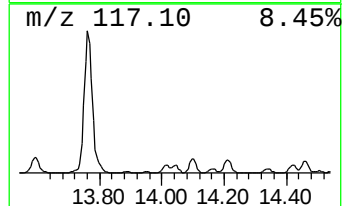
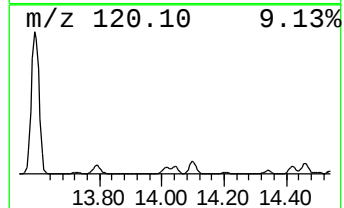
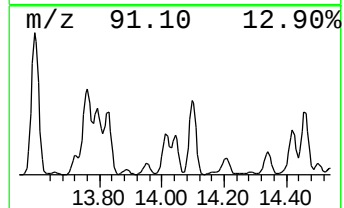
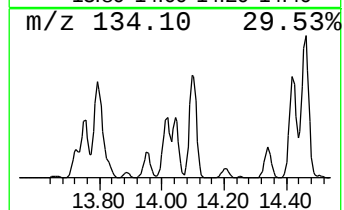
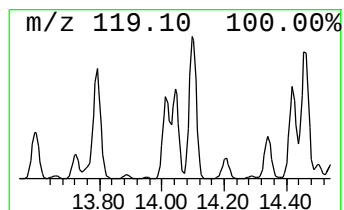
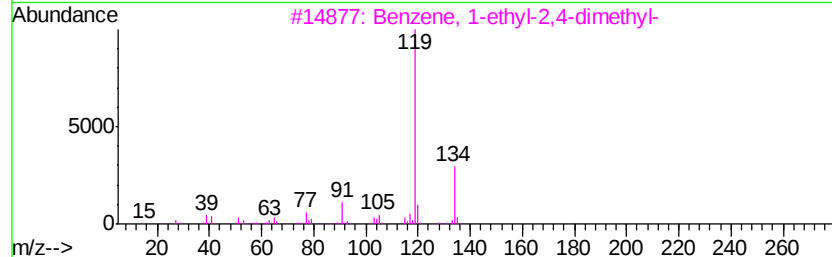
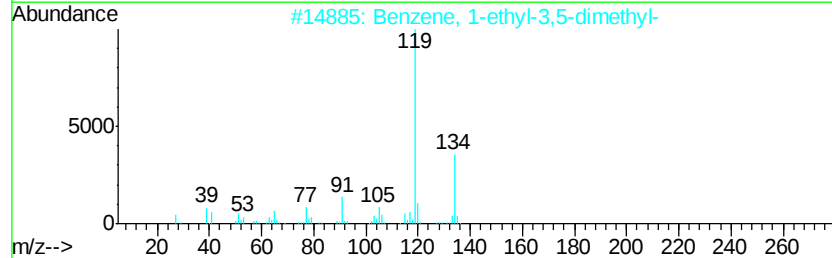
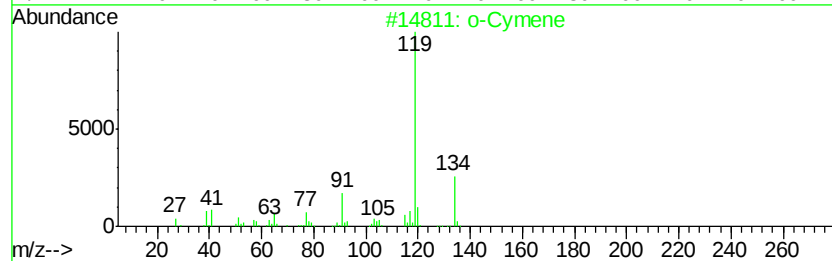
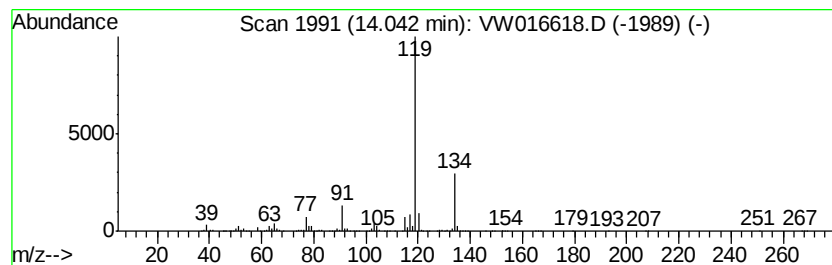
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Quant Title : VOC Analysis

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

Peak Number 39 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	3.77 ug/L	11779400	1,4-Dichlorobenzene-d4	13.57

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

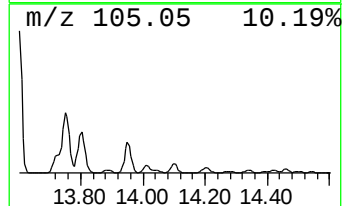
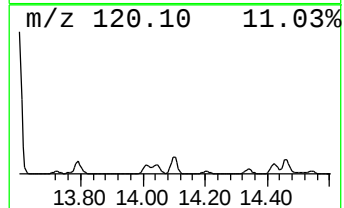
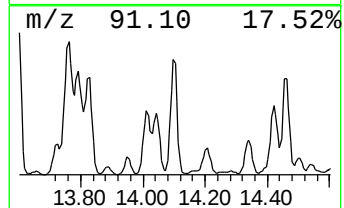
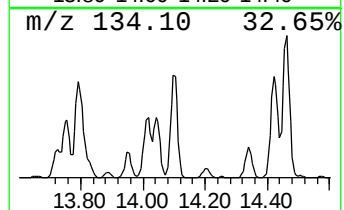
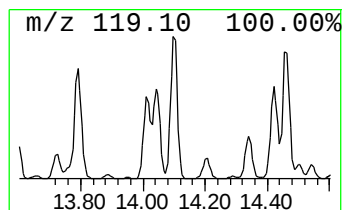
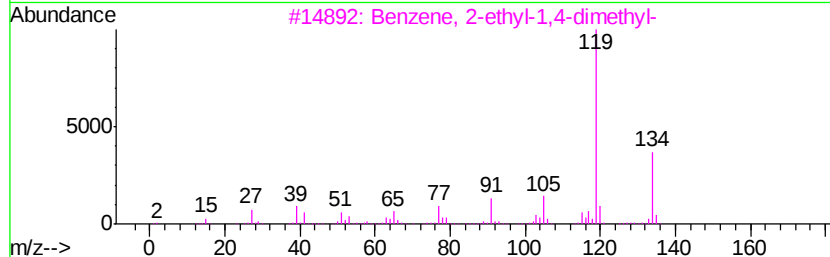
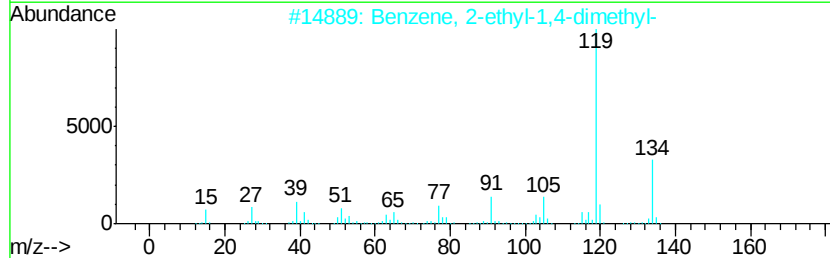
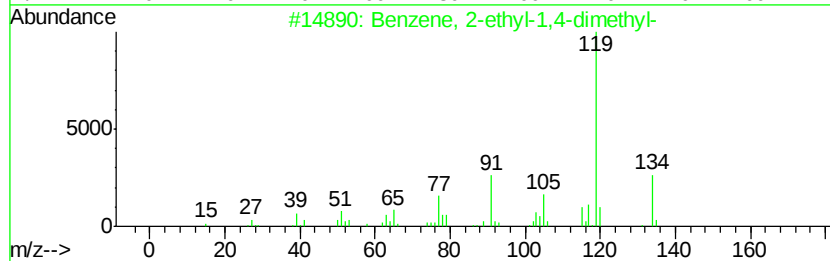
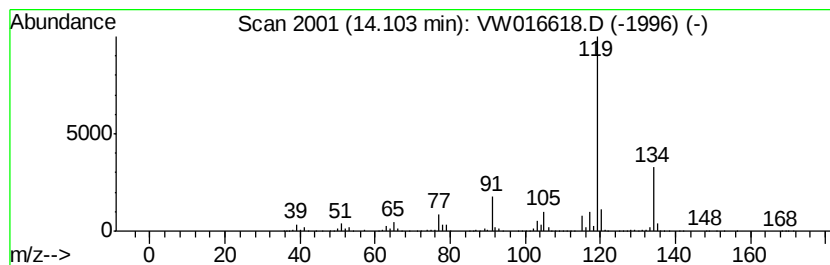
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Quant Title : VOC Analysis

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

Peak Number 40 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	7.39 ug/L	23054700	1,4-Dichlorobenzene-d4	13.57

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

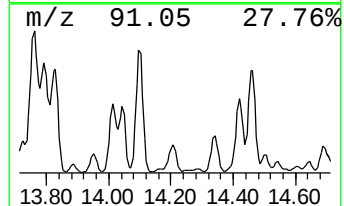
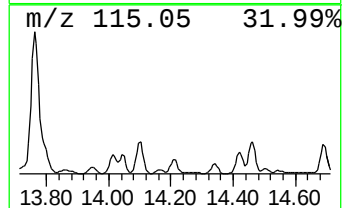
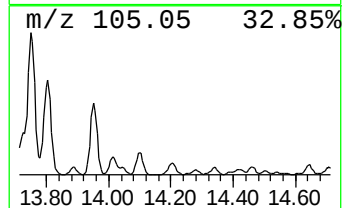
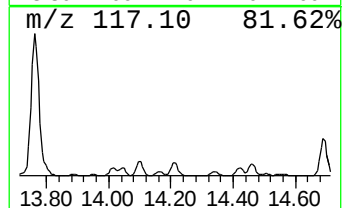
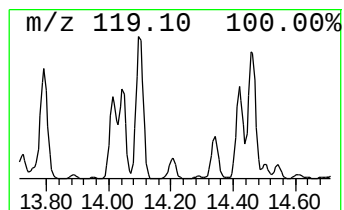
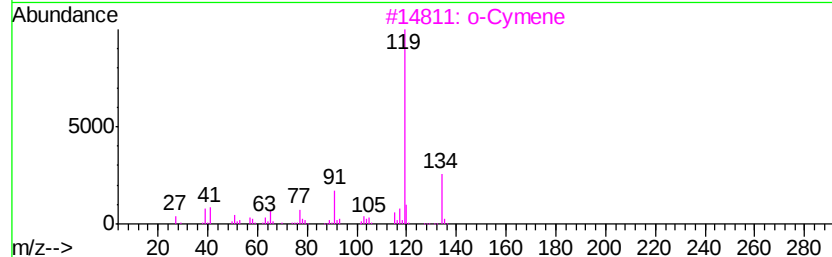
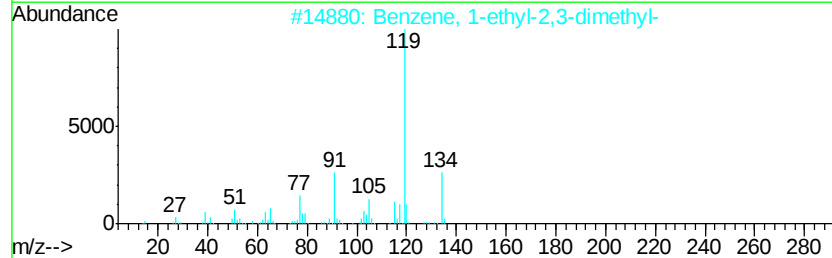
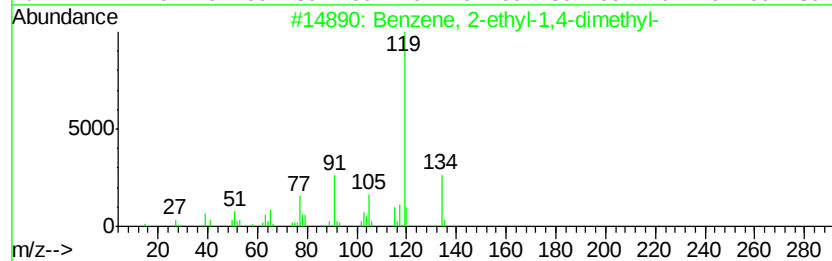
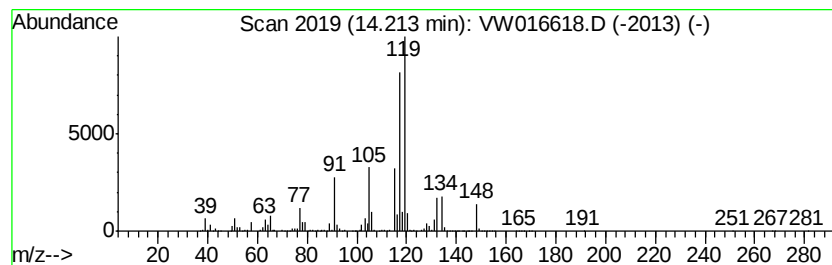
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Quant Title : VOC Analysis

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

Peak Number 41 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	1.81 ug/L	5649680	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	55
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
3		o-Cymene	134	C10H14	000527-84-4	50
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
5		p-Cymene	134	C10H14	000099-87-6	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

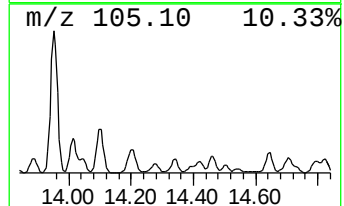
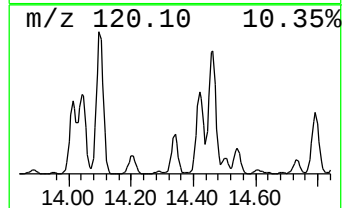
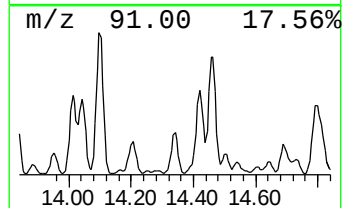
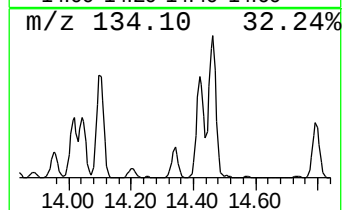
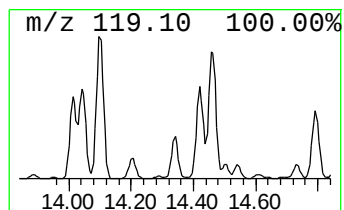
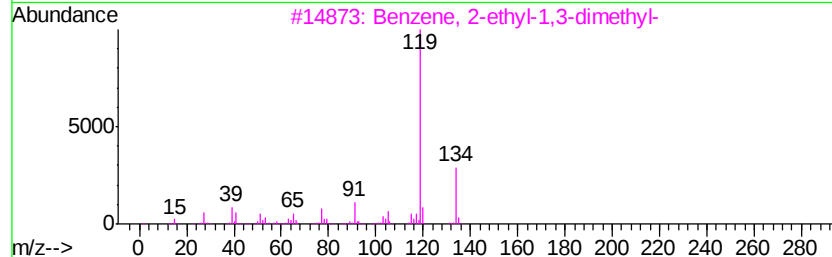
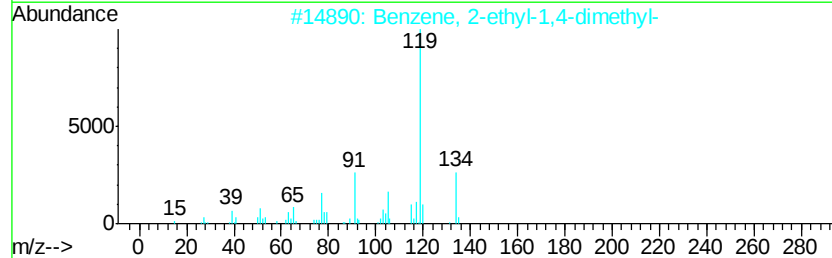
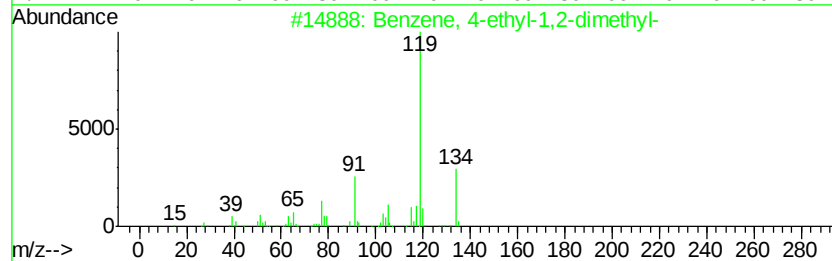
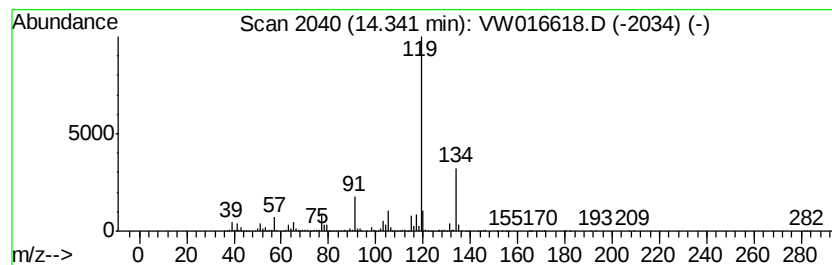
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Quant Title : VOC Analysis

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

Peak Number 42 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	2.54 ug/L	7916860	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

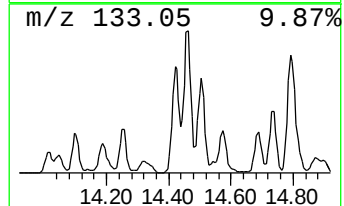
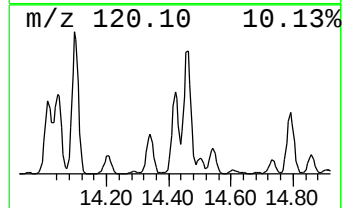
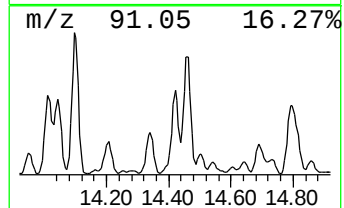
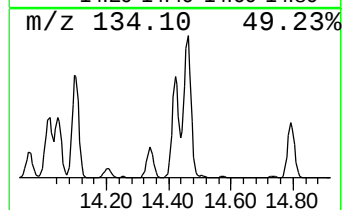
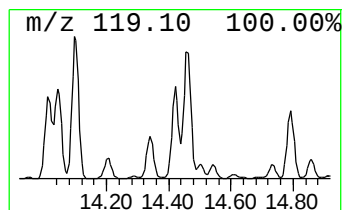
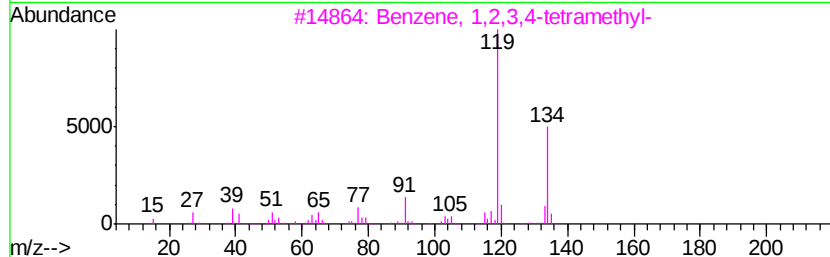
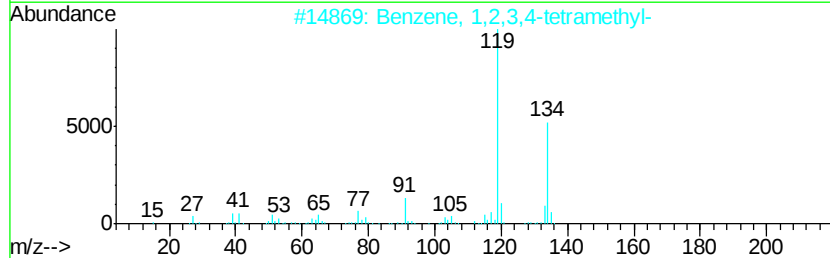
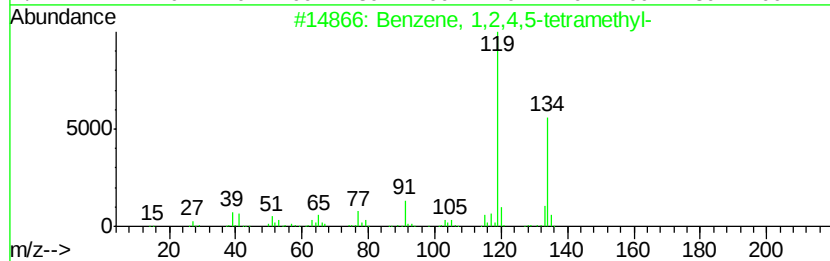
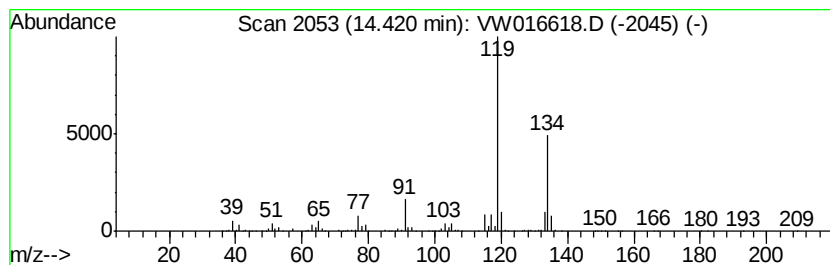
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Quant Title : VOC Analysis

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

Peak Number 43 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	6.01 ug/L	18744500	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

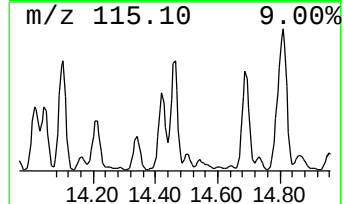
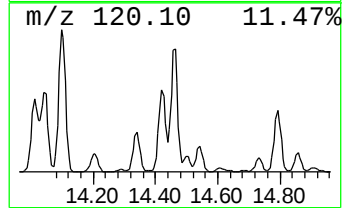
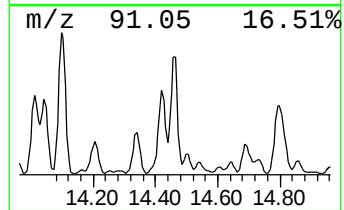
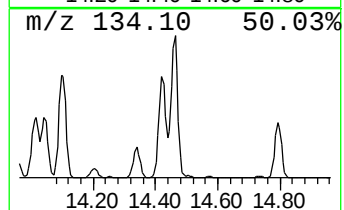
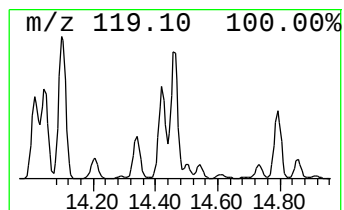
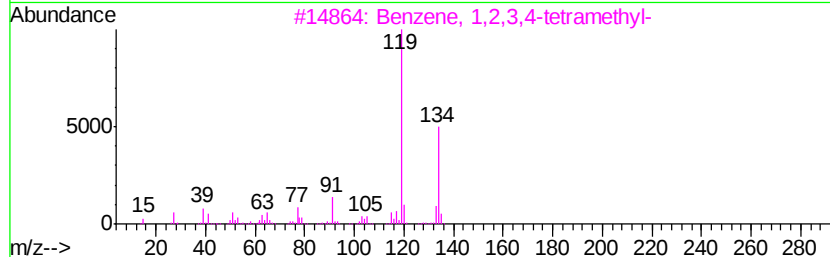
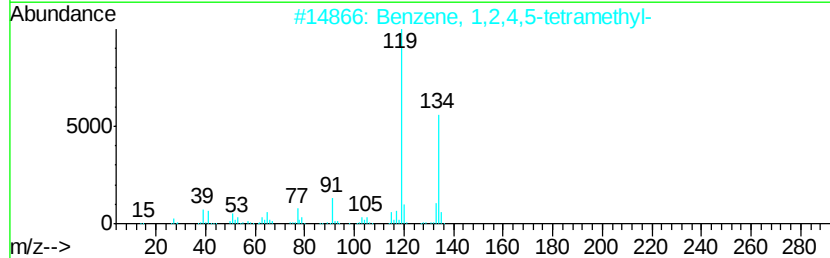
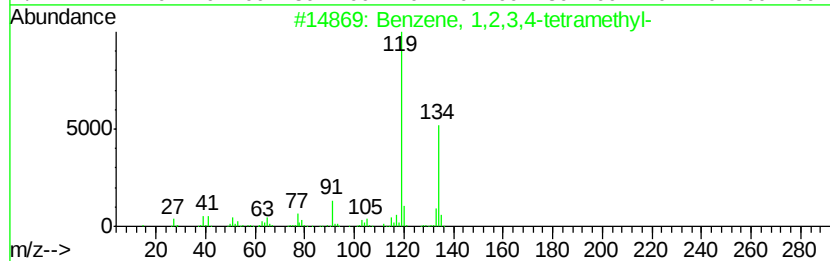
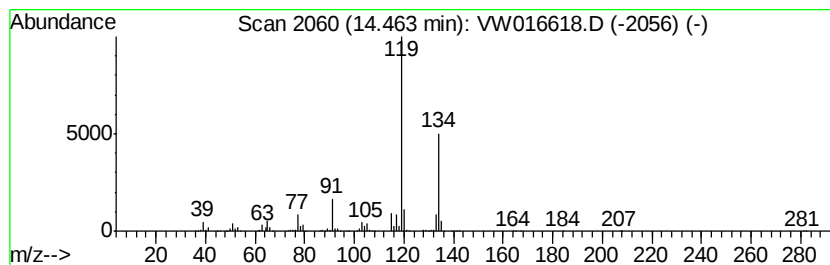
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Quant Title : VOC Analysis

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

Peak Number 44 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	7.10 ug/L	22155300	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

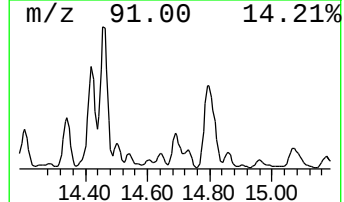
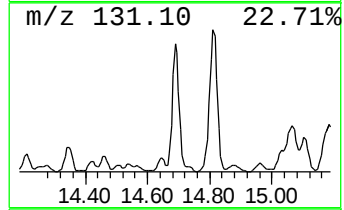
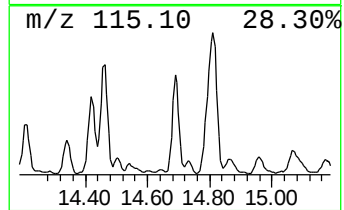
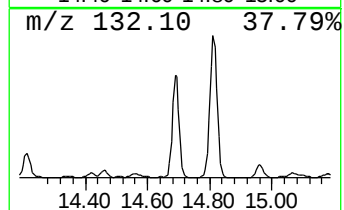
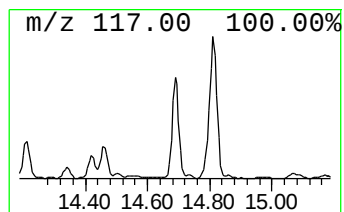
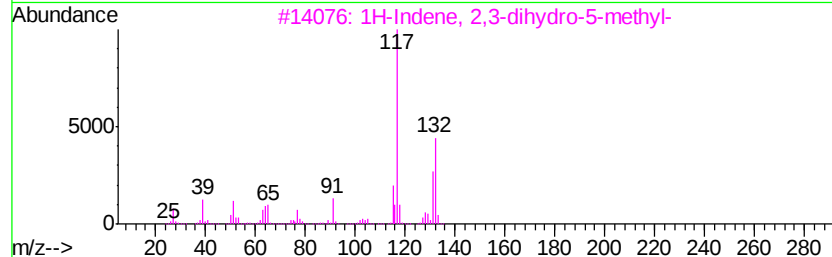
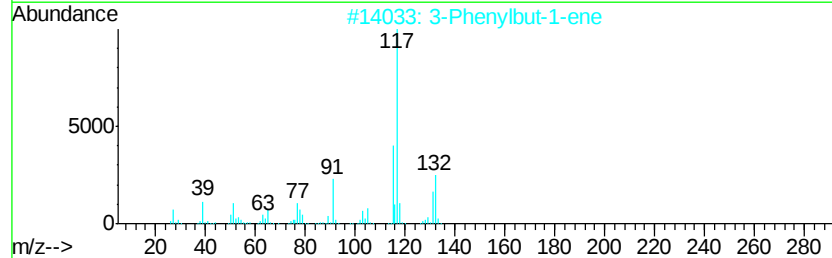
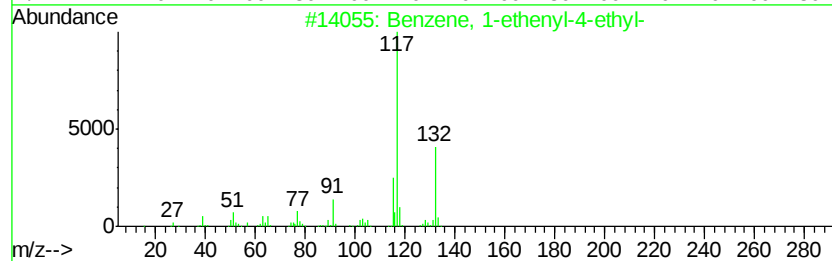
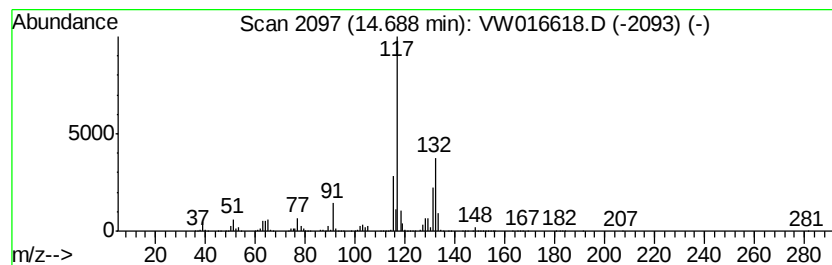
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Quant Title : VOC Analysis

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

Peak Number 45 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.24 ug/L	6982560	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	86



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

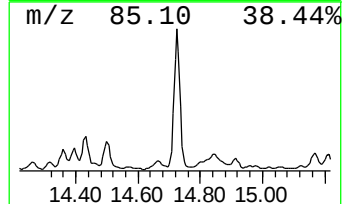
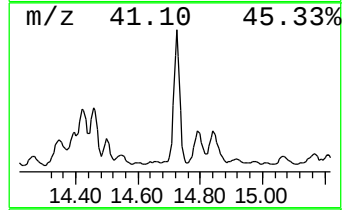
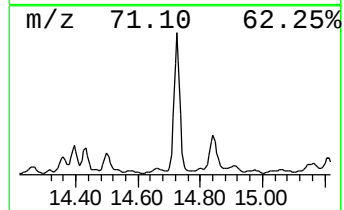
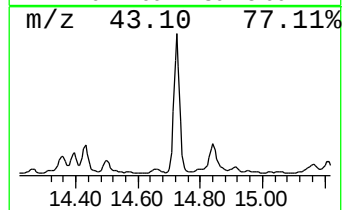
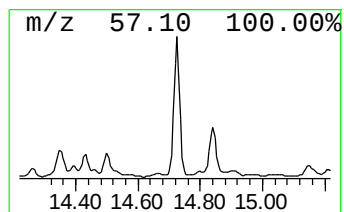
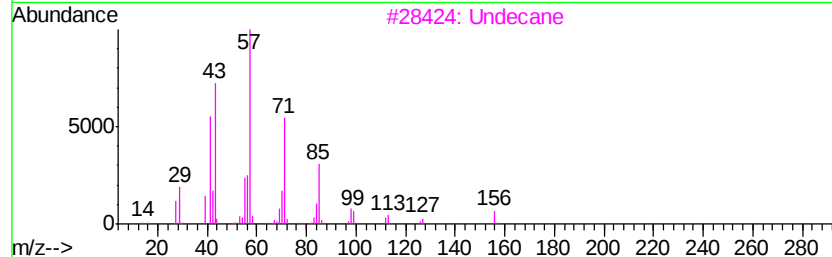
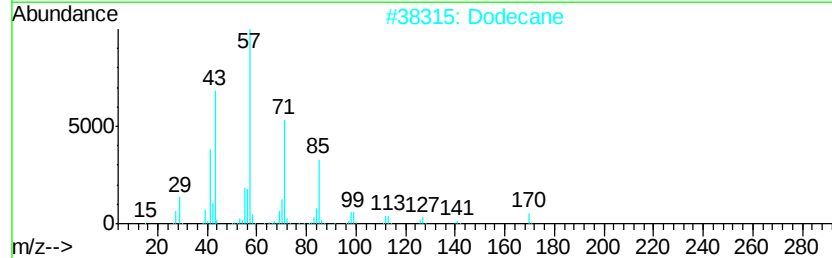
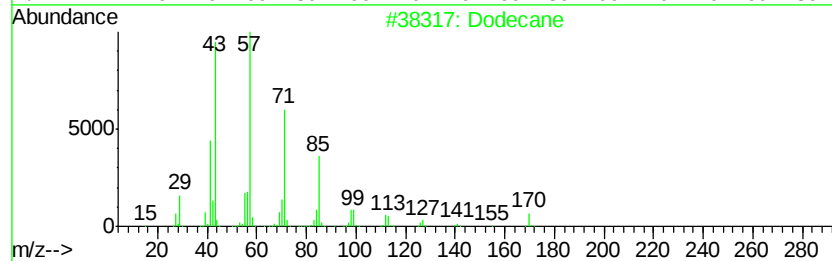
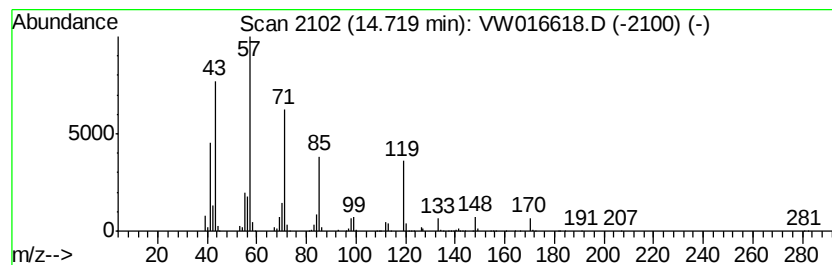
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Quant Title : VOC Analysis

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

Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.50 ug/L	7802460	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	96
2		Dodecane	170	C12H26	000112-40-3	93
3		Undecane	156	C11H24	001120-21-4	78
4		Dodecane	170	C12H26	000112-40-3	60
5		Dodecane	170	C12H26	000112-40-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

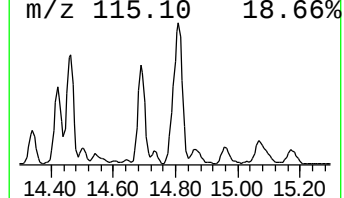
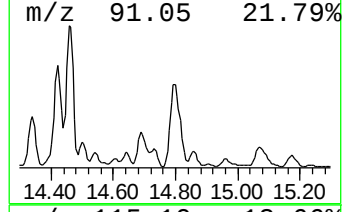
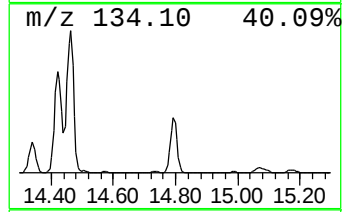
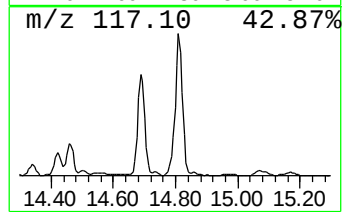
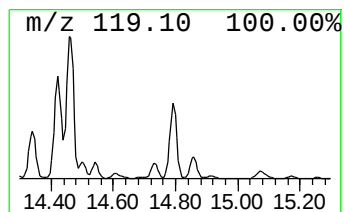
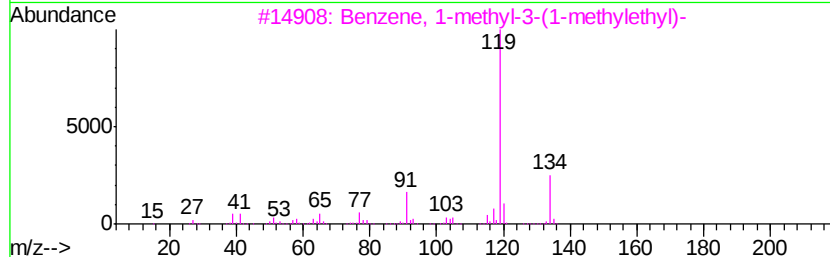
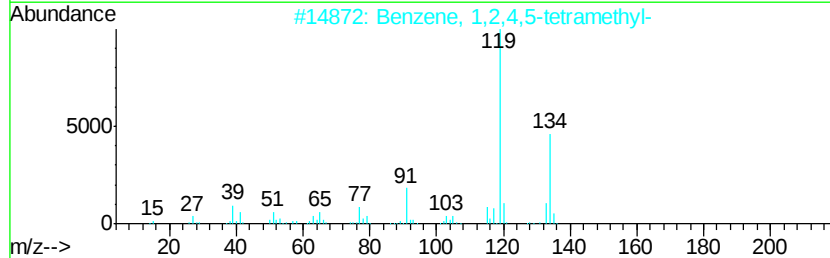
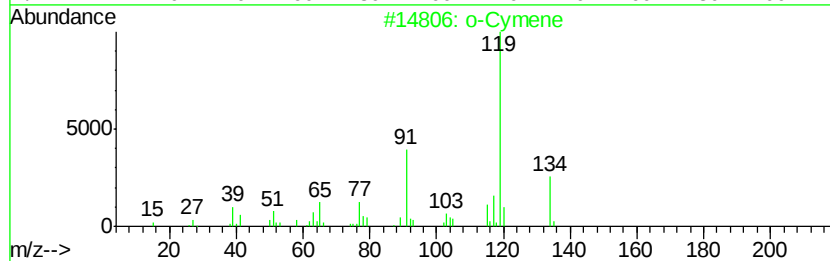
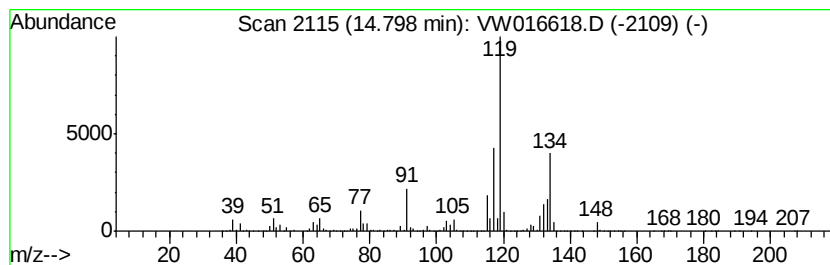
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Quant Title : VOC Analysis

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

Peak Number 47 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	7.17 ug/L	22362400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	70
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	70
4		o-Cymene	134	C10H14	000527-84-4	70
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

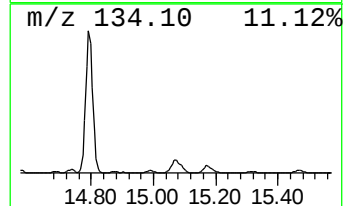
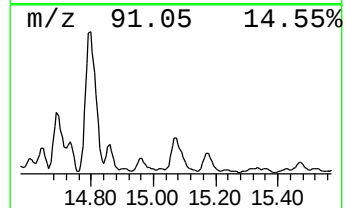
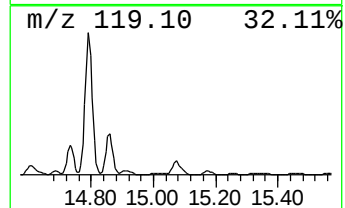
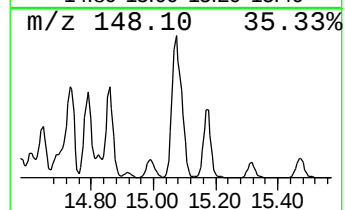
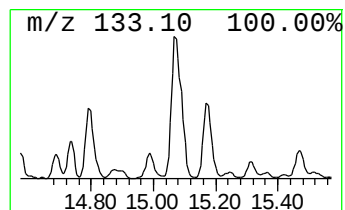
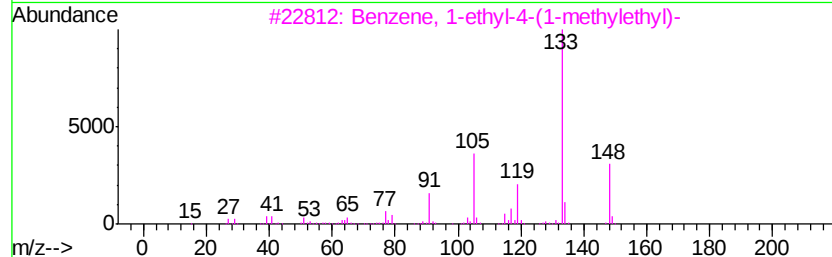
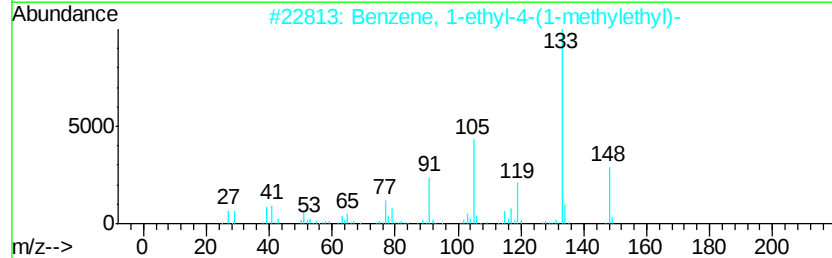
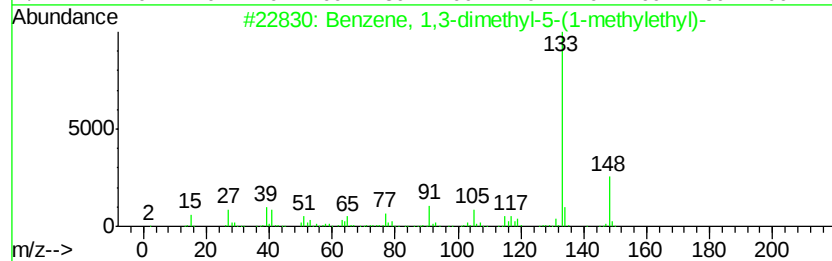
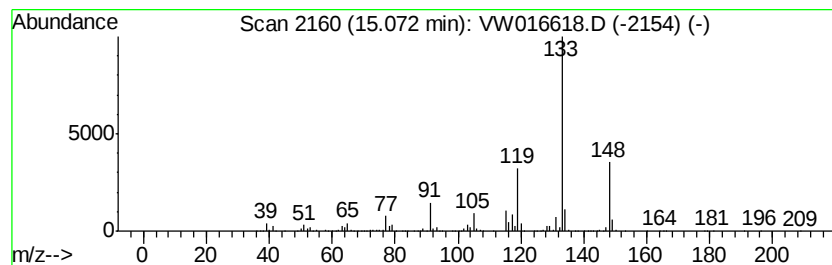
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Quant Title : VOC Analysis

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

Peak Number 48 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	1.71 ug/L	5349830	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	93
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	91
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	87
5		3,4-Dimethylcumene	148	C11H16	1000370-34-1	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
Data File : VW016618.D
Acq On : 22 Sep 2020 18:16
Operator : SY/VA
Sample : L4109-05
Misc : 6.37G/10ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG3W9

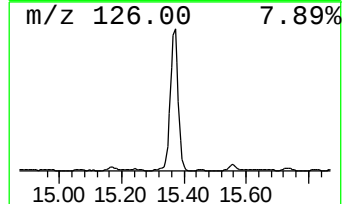
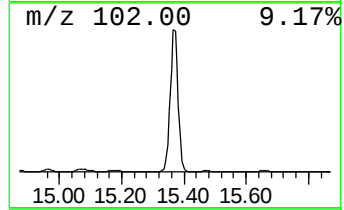
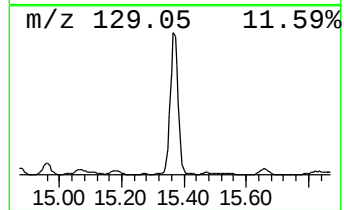
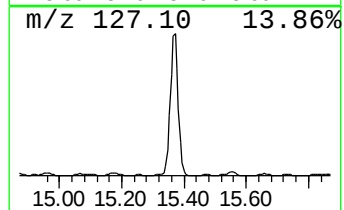
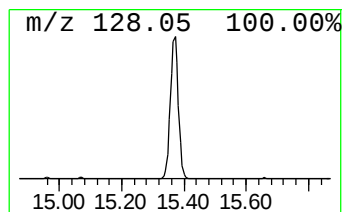
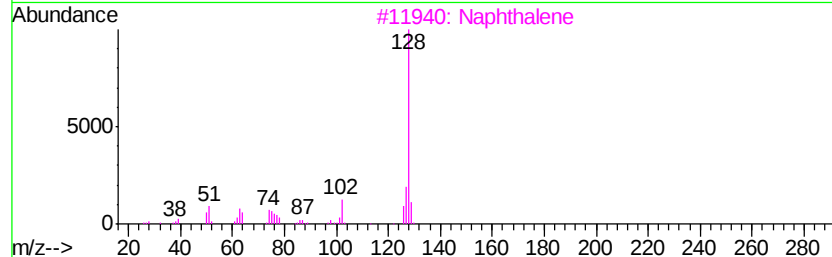
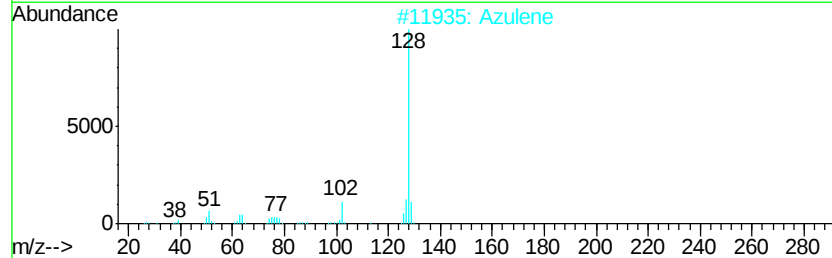
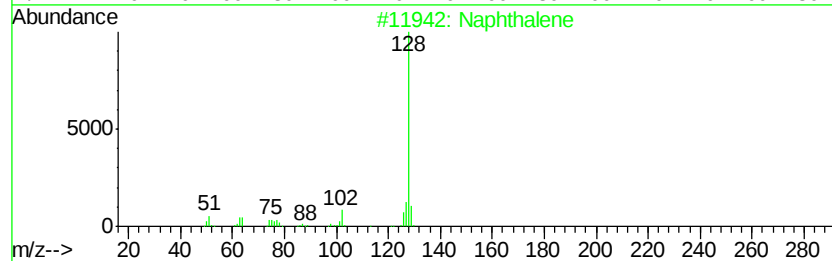
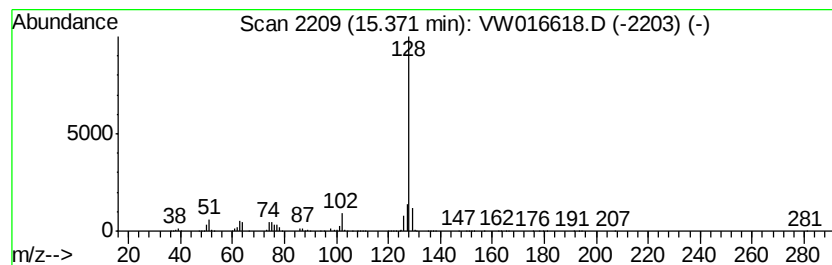
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Quant Title : VOC Analysis

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

Peak Number 49 Azulene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	6.45 ug/L	20129900	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene	128	C10H8	000091-20-3	95
2		Azulene	128	C10H8	000275-51-4	94
3		Naphthalene	128	C10H8	000091-20-3	94
4		Azulene	128	C10H8	000275-51-4	91
5		Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092320\
 Data File : VW016618.D
 Acq On : 22 Sep 2020 18:16
 Operator : SY/VA
 Sample : L4109-05
 Misc : 6.37G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W9

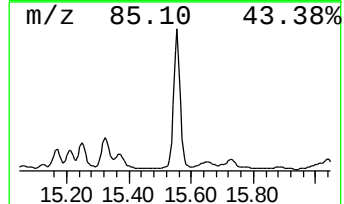
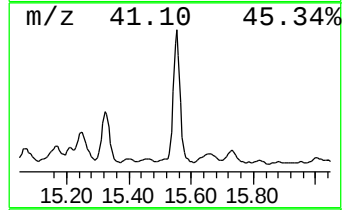
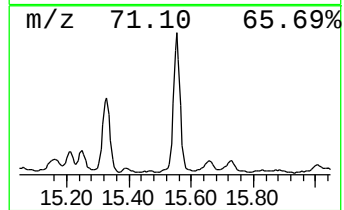
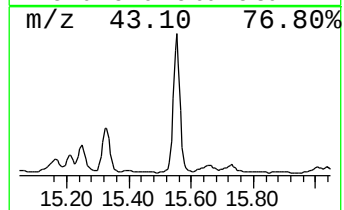
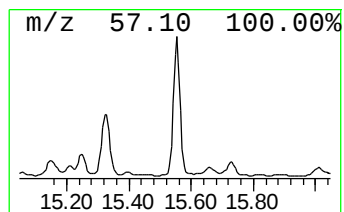
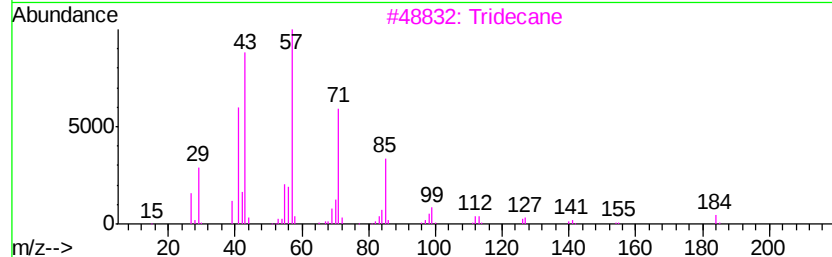
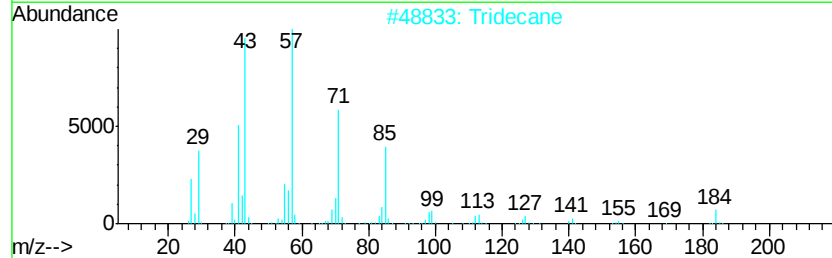
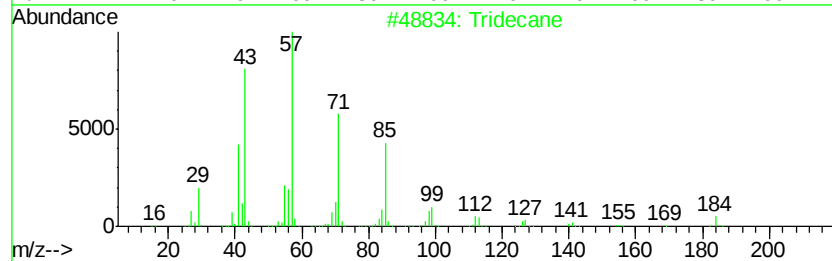
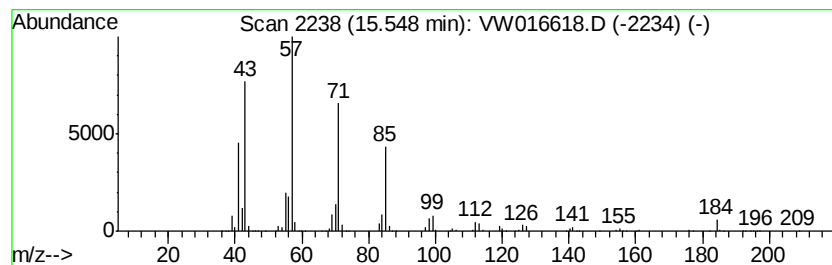
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis

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

 Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	1.61 ug/L	5039350	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	98
2			Tridecane	184	C13H28	000629-50-5	95
3			Tridecane	184	C13H28	000629-50-5	94
4			Tetradecane	198	C14H30	000629-59-4	87
5			Tridecane	184	C13H28	000629-50-5	87



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092320\
 Data File : VW016618.D
 Acq On : 22 Sep 2020 18:16
 Operator : SY/VA
 Sample : L4109-05
 Misc : 6.37G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis

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

					--Internal Standard--			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	4.96	2020.5	ug/L	117534000	1	8.85	1454240	25.0
(DEL) Alkane: Str...	5.78	34.0	ug/L	1980520	1	8.85	1454240	25.0
(DEL) Alkane: Str...	5.95	1083.4	ug/L	63021100	1	8.85	1454240	25.0
(DEL) Alkane: Cyc...	6.15	49.6	ug/L	2884590	1	8.85	1454240	25.0
(DEL) Alkane: Cyc...	6.31	150.2	ug/L	8738760	1	8.85	1454240	25.0
(DEL) Alkane: Str...	6.45	84.5	ug/L	4918270	1	8.85	1454240	25.0
(DEL) Alkane: Str...	6.58	58.7	ug/L	3413720	1	8.85	1454240	25.0
(DEL) Alkane: Str...	6.74	969.9	ug/L	56416800	1	8.85	1454240	25.0
(DEL) Alkane: Str...	6.90	389.0	ug/L	22630000	1	8.85	1454240	25.0
(DEL) Alkane: Cyc...	6.99	915.4	ug/L	53246300	1	8.85	1454240	25.0
Cyclopentene, 4-m...	7.71	201.6	ug/L	11728600	1	8.85	1454240	25.0
(DEL) Alkane: Str...	8.16	41.7	ug/L	2425310	1	8.85	1454240	25.0
(DEL) Alkane: Str...	8.43	8.2	ug/L	476499	1	8.85	1454240	25.0
(DEL) Alkane: Str...	8.70	40.5	ug/L	2358060	1	8.85	1454240	25.0
(DEL) Alkane: Str...	9.77	7.7	ug/L	447798	1	8.85	1454240	25.0
(DEL) Alkane: Str...	9.90	14.3	ug/L	829681	1	8.85	1454240	25.0
(DEL) Alkane: Str...	9.96	5.2	ug/L	303467	1	8.85	1454240	25.0
Butanoic acid, 3-...	10.10	7.3	ug/L	426440	1	8.85	1454240	25.0
(DEL) Alkane: Str...	10.51	4.0	ug/L	613444	2	11.63	3815430	25.0
(DEL) Alkane: Str...	11.41	3.6	ug/L	556791	2	11.63	3815430	25.0
(DEL) Alkane: Str...	11.52	2.0	ug/L	309907	2	11.63	3815430	25.0
(DEL) Alkane: Str...	12.26	4.5	ug/L	678403	2	11.63	3815430	25.0
1H-Indene, octahy...	12.34	3.7	ug/L	569911	2	11.63	3815430	25.0
(DEL) Alkane: Str...	12.58	7.3	ug/L	1119210	2	11.63	3815430	25.0
Benzene, propyl-	12.81	16.2	ug/L	50544600	3	13.57	78020700	25.0
Benzene, 1-ethyl-...	12.87	26.1	ug/L	81404500	3	13.57	78020700	25.0
Benzene, 1,2,4-tr...	12.95	26.1	ug/L	81294200	3	13.57	78020700	25.0
4-Heptanone, 2,6-...	13.04	32.1	ug/L	100093000	3	13.57	78020700	25.0
2,3-Heptadien-5-y...	13.11	22.9	ug/L	71436700	3	13.57	78020700	25.0
Benzene, 1,2,3-tr...	13.27	32.7	ug/L	102160000	3	13.57	78020700	25.0
2-Tolyloxirane	13.38	1.4	ug/L	4472070	3	13.57	78020700	25.0
o-Cymene	13.45	1.7	ug/L	5367980	3	13.57	78020700	25.0
Benzene, 1,3-diet...	13.72	2.1	ug/L	6517580	3	13.57	78020700	25.0
Benzene, cyclopro...	13.76	13.4	ug/L	41920500	3	13.57	78020700	25.0
Benzene, 1,4-diet...	13.79	7.8	ug/L	24484600	3	13.57	78020700	25.0
Benzene, 1-methyl...	13.95	2.0	ug/L	6144930	3	13.57	78020700	25.0
Benzene, 2-ethyl-...	14.01	4.8	ug/L	14815100	3	13.57	78020700	25.0
Benzene, 1-ethyl-...	14.04	3.8	ug/L	11779400	3	13.57	78020700	25.0
unknown-01	14.10	7.4	ug/L	23054700	3	13.57	78020700	25.0
Benzene, 1-ethyl-...	14.21	1.8	ug/L	5649680	3	13.57	78020700	25.0
Benzene, 4-ethyl-...	14.34	2.5	ug/L	7916860	3	13.57	78020700	25.0
Benzene, 1,2,4,5-...	14.42	6.0	ug/L	18744500	3	13.57	78020700	25.0
Benzene, 1,2,3,4-...	14.46	7.1	ug/L	22155300	3	13.57	78020700	25.0
Benzene, 1-etheny...	14.69	2.2	ug/L	6982560	3	13.57	78020700	25.0
(DEL) Alkane: Str...	14.72	2.5	ug/L	7802460	3	13.57	78020700	25.0
1,3-Cyclopentadie...	14.80	7.2	ug/L	22362400	3	13.57	78020700	25.0
Benzene, 1,3-dime...	15.07	1.7	ug/L	5349830	3	13.57	78020700	25.0
Azulene	15.37	6.5	ug/L	20129900	3	13.57	78020700	25.0
(DEL) Alkane: Str...	15.55	1.6	ug/L	5039350	3	13.57	78020700	25.0