

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
 Data File : VW017424.D
 Acq On : 20 Nov 2020 17:56
 Operator : SY/VA
 Sample : L4853-03
 Misc : 4.37G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD2

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\SOM2WLM111820S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.148	37	40	42	rBV3	1120	1513	0.09%	0.008%
2	2.355	67	74	85	rVB	95993	178614	11.18%	0.948%
3	2.568	106	109	111	rBV3	992	1205	0.08%	0.006%
4	2.635	117	120	121	rBV3	1495	1877	0.12%	0.010%
5	2.892	154	162	177	rBV	73068	174313	10.91%	0.925%
6	3.209	212	214	217	rVB2	308	331	0.02%	0.002%
7	3.391	240	244	251	rVB2	635	1050	0.07%	0.006%
8	3.562	265	272	274	rVB4	367	645	0.04%	0.003%
9	3.593	274	277	281	rVB2	390	431	0.03%	0.002%
10	4.019	335	347	362	rBV2	148397	441591	27.65%	2.343%
11	4.403	399	410	421	rBV4	2741	9321	0.58%	0.049%
12	4.916	484	494	509	rBV2	11499	40519	2.54%	0.215%
13	5.440	578	580	582	rVB	312	276	0.02%	0.001%
14	5.946	655	663	671	rBV4	2482	7100	0.44%	0.038%
15	6.940	823	826	828	rBV2	213	284	0.02%	0.002%
16	7.080	840	849	853	rBV	25677	70324	4.40%	0.373%
17	7.135	855	858	874	rVV	39471	97302	6.09%	0.516%
18	7.537	922	924	927	rVB3	373	385	0.02%	0.002%
19	7.653	931	943	955	rVV	205013	508278	31.82%	2.697%
20	7.952	986	992	997	rVB4	810	1888	0.12%	0.010%
21	8.275	1032	1045	1061	rBV2	393665	1178745	73.80%	6.255%
22	8.555	1087	1091	1093	rBV	273	312	0.02%	0.002%
23	8.634	1097	1104	1107	rBV2	560	867	0.05%	0.005%
24	8.671	1107	1110	1113	rBV2	361	421	0.03%	0.002%
25	8.842	1130	1138	1150	rBV	375112	723757	45.31%	3.841%
26	8.921	1150	1151	1154	rVB	423	326	0.02%	0.002%
27	8.945	1154	1155	1160	rVB4	606	555	0.03%	0.003%
28	9.031	1167	1169	1172	rBV2	218	286	0.02%	0.002%
29	9.067	1174	1175	1183	rVB2	544	825	0.05%	0.004%
30	9.275	1200	1209	1218	rBV	252988	508230	31.82%	2.697%
31	9.616	1261	1265	1269	rVV2	453	523	0.03%	0.003%
32	9.671	1270	1274	1279	rVB4	616	931	0.06%	0.005%
33	9.756	1284	1288	1293	rBV3	665	1343	0.08%	0.007%
34	9.848	1299	1303	1305	rBV	272	329	0.02%	0.002%

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 Title : VOC Analysis

35	9.902	1307	1312	1316	rVB4	935	1692	0.11%	0.009%
36	10.037	1325	1334	1347	rBV	133040	240255	15.04%	1.275%
37	10.128	1347	1349	1355	rVB4	838	1425	0.09%	0.008%
38	10.219	1357	1364	1366	rBV4	1437	2956	0.19%	0.016%
39	10.323	1373	1381	1388	rBV	477674	853673	53.45%	4.530%
40	10.390	1388	1392	1399	rVV	21864	39723	2.49%	0.211%
41	10.439	1399	1400	1403	rVB3	642	426	0.03%	0.002%
42	10.500	1403	1410	1416	rVB5	1632	3978	0.25%	0.021%
43	10.579	1416	1423	1432	rBV	83829	145137	9.09%	0.770%
44	10.701	1433	1443	1450	rVV	41066	79632	4.99%	0.423%
45	10.756	1450	1452	1457	rVB5	2120	3381	0.21%	0.018%
46	10.811	1460	1461	1463	rVB	665	309	0.02%	0.002%
47	10.860	1463	1469	1473	rBV4	2253	3727	0.23%	0.020%
48	10.927	1473	1480	1488	rBV	104182	178190	11.16%	0.946%
49	11.067	1494	1503	1508	rBV	34565	61870	3.87%	0.328%
50	11.177	1518	1521	1525	rVV2	3402	4440	0.28%	0.024%
51	11.232	1525	1530	1535	rVB3	9116	16490	1.03%	0.088%
52	11.280	1536	1538	1542	rBV5	1400	1985	0.12%	0.011%
53	11.335	1543	1547	1551	rVB4	4070	5978	0.37%	0.032%
54	11.439	1558	1564	1571	rVB2	35192	61980	3.88%	0.329%
55	11.518	1571	1577	1580	rBV5	2101	4060	0.25%	0.022%
56	11.549	1580	1582	1583	rBV2	863	509	0.03%	0.003%
57	11.634	1588	1596	1606	rBV	378331	649978	40.69%	3.449%
58	11.731	1608	1612	1614	rBV4	2741	3868	0.24%	0.021%
59	11.768	1614	1618	1621	rVB3	6887	8622	0.54%	0.046%
60	11.829	1622	1628	1632	rBV5	6732	15893	1.00%	0.084%
61	11.878	1632	1636	1639	rBV3	7232	12432	0.78%	0.066%
62	11.975	1647	1652	1658	rBV7	5989	12852	0.80%	0.068%
63	12.036	1659	1662	1669	rVB7	5121	10581	0.66%	0.056%
64	12.140	1671	1679	1687	rBV6	20436	63363	3.97%	0.336%
65	12.298	1701	1705	1706	rBV4	4183	5120	0.32%	0.027%
66	12.341	1707	1712	1713	rBV2	24043	33363	2.09%	0.177%
67	12.609	1750	1756	1762	rVB	85119	139853	8.76%	0.742%
68	12.695	1763	1770	1778	rBV	184831	338353	21.18%	1.795%
69	12.780	1779	1784	1791	rVB3	78194	143252	8.97%	0.760%
70	12.865	1791	1798	1801	rBV5	28163	60526	3.79%	0.321%
71	12.945	1805	1811	1824	rVB5	93618	230994	14.46%	1.226%

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72	13.103	1830	1837	1843	rVB2	60838	129797	8.13%	0.689%
73	13.170	1844	1848	1850	rBV4	18581	31587	1.98%	0.168%
74	13.256	1857	1862	1865	rBV	59269	96966	6.07%	0.515%
75	13.292	1865	1868	1878	rVB2	42041	80046	5.01%	0.425%
76	13.384	1879	1883	1887	rBV2	28290	43895	2.75%	0.233%
77	13.438	1889	1892	1897	rVB2	49931	80851	5.06%	0.429%
78	13.560	1906	1912	1920	rVB2	191005	349062	21.85%	1.852%
79	13.701	1931	1935	1939	rBV3	44233	81470	5.10%	0.432%
80	13.755	1940	1944	1946	rVV2	102140	159484	9.99%	0.846%
81	13.786	1946	1949	1955	rVB	186767	279367	17.49%	1.482%
82	13.859	1956	1961	1969	rVB4	216841	552871	34.61%	2.934%
83	13.951	1972	1976	1980	rBV	66299	89230	5.59%	0.473%
84	14.011	1982	1986	1989	rBV	143743	234439	14.68%	1.244%
85	14.097	1996	2000	2007	rVB	217648	346622	21.70%	1.839%
86	14.207	2013	2018	2022	rBV	225385	351858	22.03%	1.867%
87	14.335	2035	2039	2043	rBV2	104515	176167	11.03%	0.935%
88	14.383	2043	2047	2050	rVV2	162734	259366	16.24%	1.376%
89	14.420	2050	2053	2056	rVV	226333	356911	22.35%	1.894%
90	14.457	2056	2059	2063	rVV	307711	443624	27.77%	2.354%
91	14.499	2063	2066	2069	rVV	142086	196044	12.27%	1.040%
92	14.542	2069	2073	2081	rVB4	258815	494121	30.94%	2.622%
93	14.688	2094	2097	2101	rBV5	100492	165359	10.35%	0.877%
94	14.731	2101	2104	2108	rVB	189009	262424	16.43%	1.393%
95	14.792	2109	2114	2121	rBV2	696475	1597228	100.00%	8.476%
96	15.066	2153	2159	2162	rBV2	509680	992041	62.11%	5.264%
97	15.176	2171	2177	2184	rVB3	602656	1337115	83.71%	7.095%
98	15.658	2252	2256	2264	rVB	325192	565357	35.40%	3.000%
99	16.438	2381	2384	2389	rVB2	229981	347358	21.75%	1.843%
100	16.639	2410	2417	2430	rBV3	471777	1348614	84.43%	7.156%

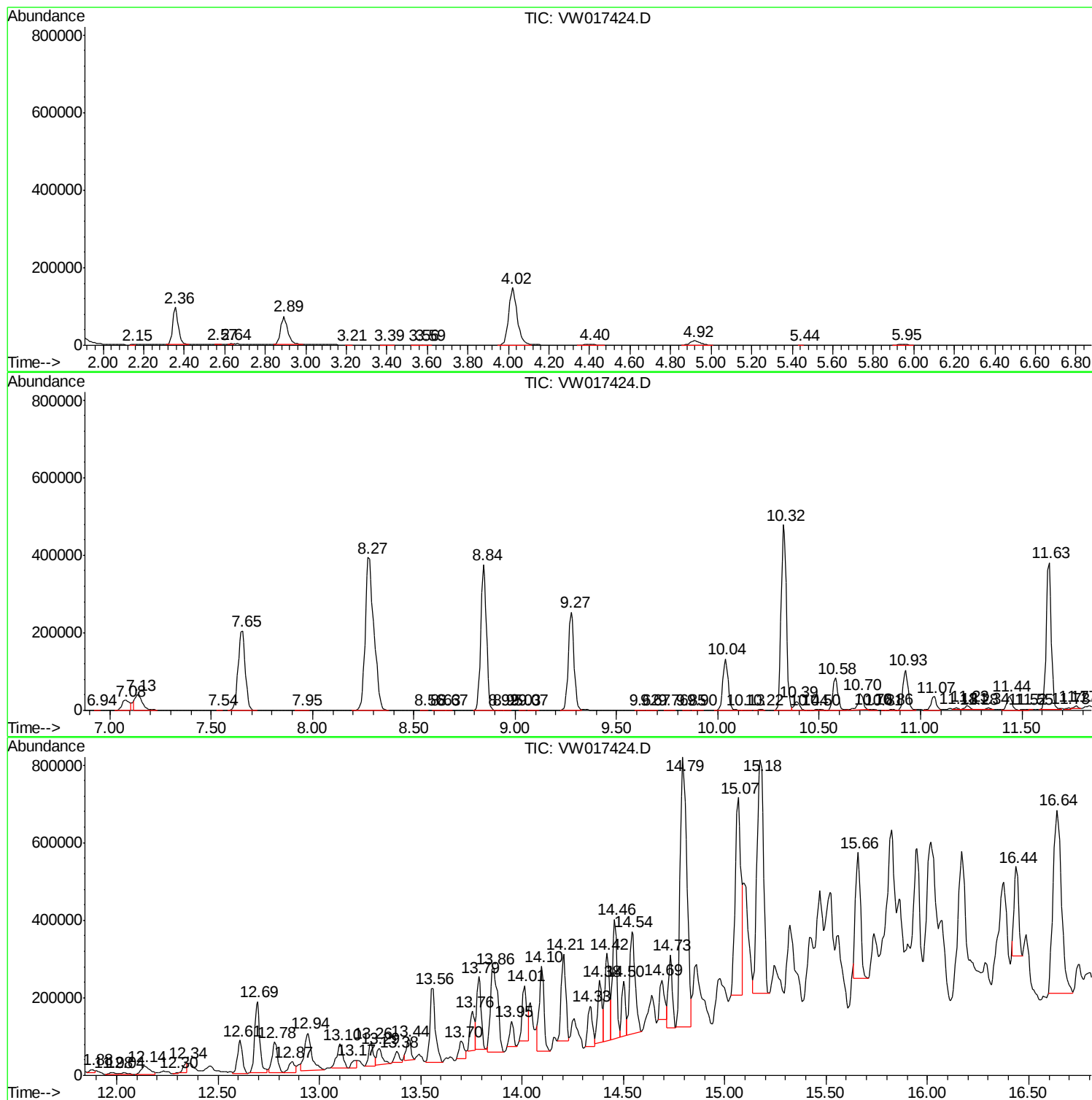
Sum of corrected areas: 18844837

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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



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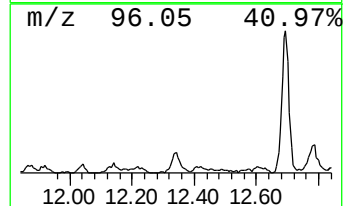
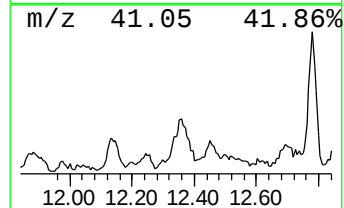
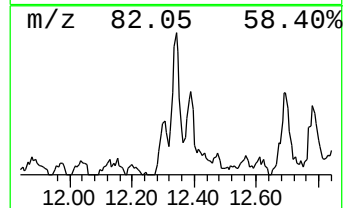
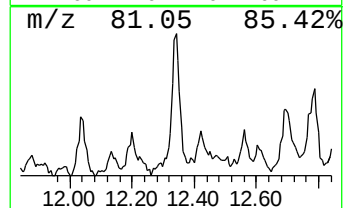
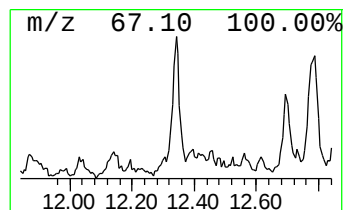
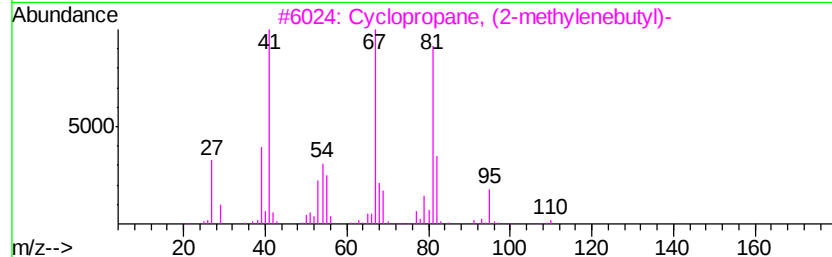
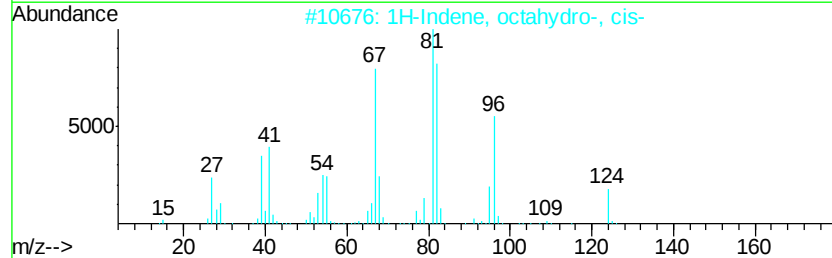
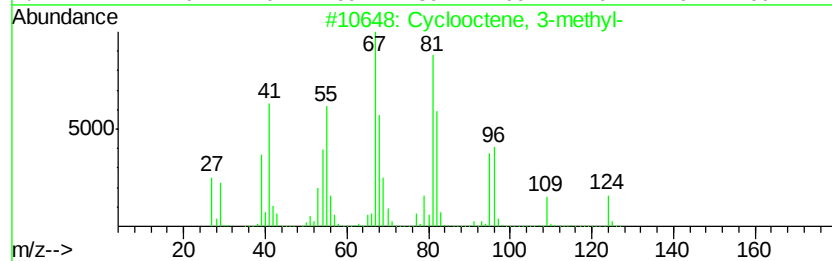
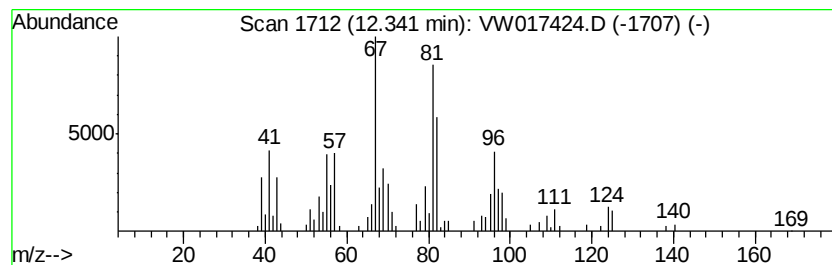
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 6 Cyclooctene, 3-methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.34	1.28 ug/L	33363	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	64
2		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	62
3		Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	53
4		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	52
5		7-Methyl-8-oxabicyclo[4.3.0]nonane	140	C9H16O	1000216-87-6	49



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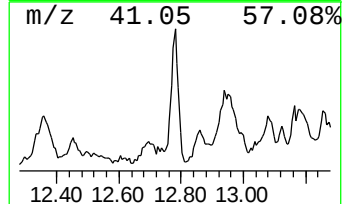
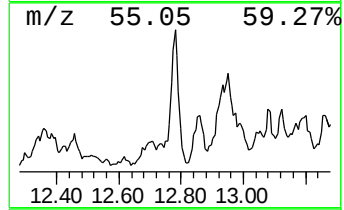
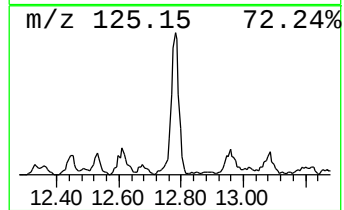
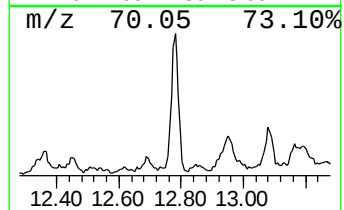
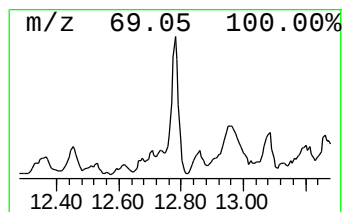
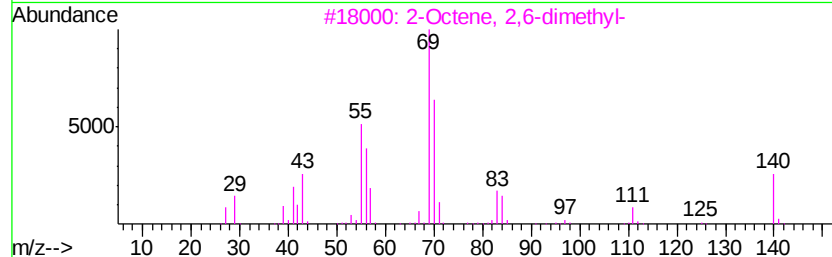
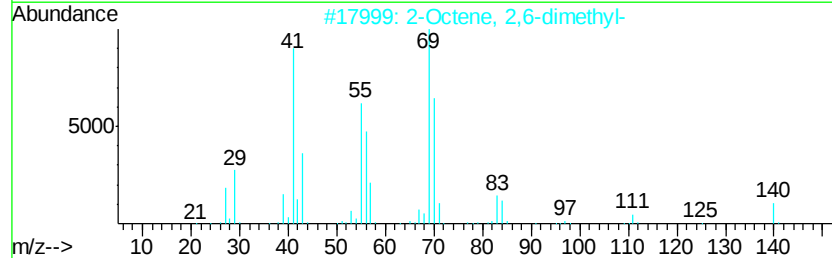
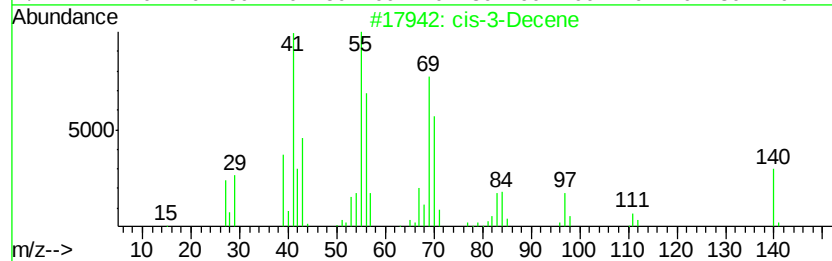
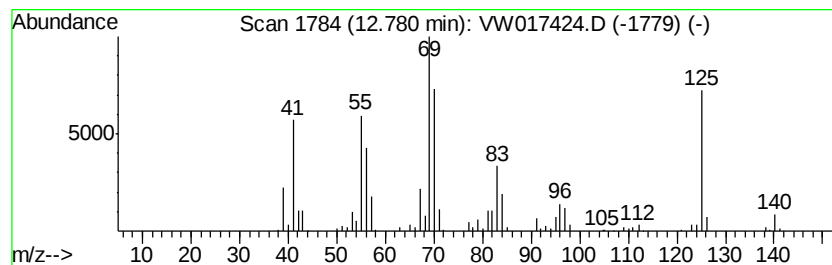
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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.26 ug/L	143252	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	cis-3-Decene	140	C10H20	019398-86-8	64
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
4		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
5		Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	47



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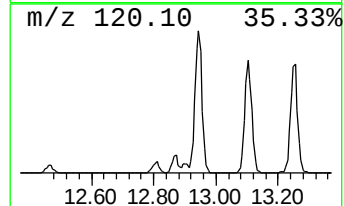
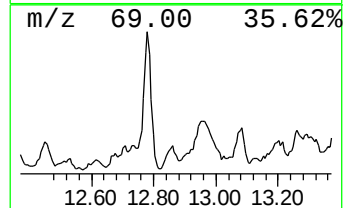
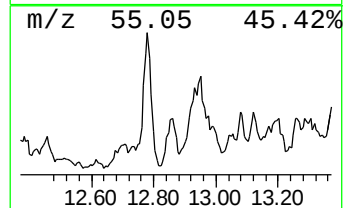
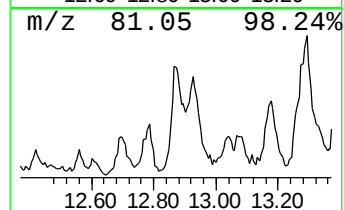
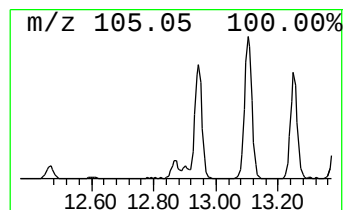
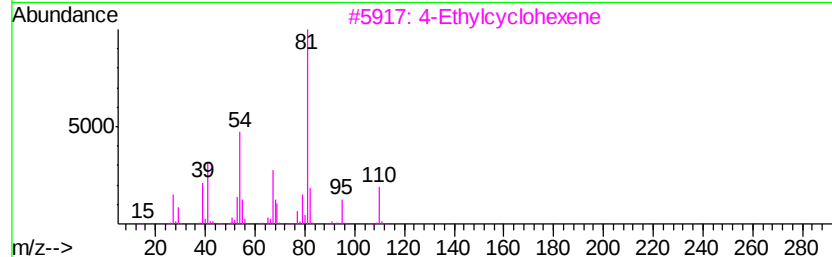
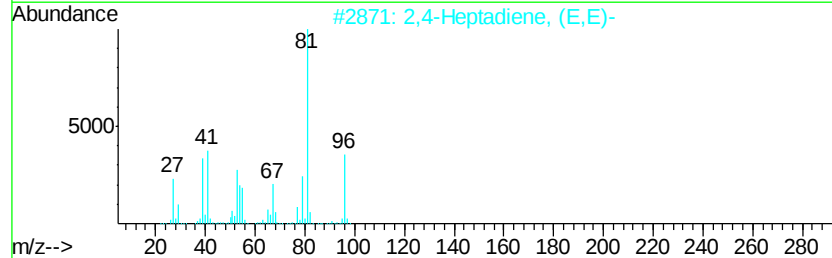
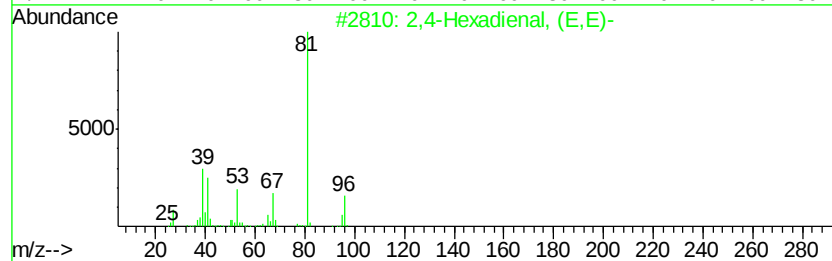
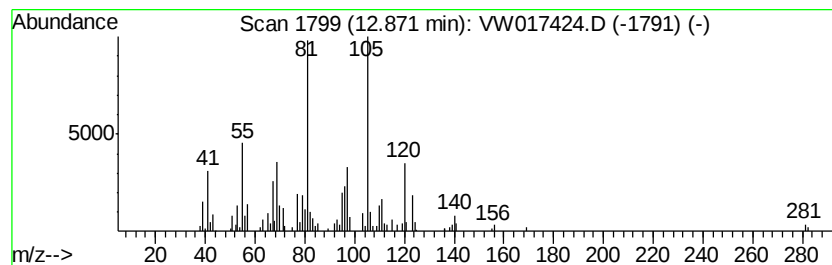
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-01 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	4.33 ug/L	60526	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Hexadienal, (E,E)-		96	C6H8O	000142-83-6	30
2	2,4-Heptadiene, (E,E)-		96	C7H12	002384-94-3	30
3	4-Ethylcyclohexene		110	C8H14	003742-42-5	30
4	2,4-Heptadienal, (E,E)-		110	C7H10O	004313-03-5	30
5	Cyclohexene, 3-ethyl-		110	C8H14	002808-71-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

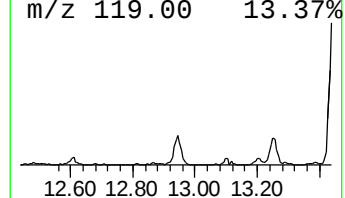
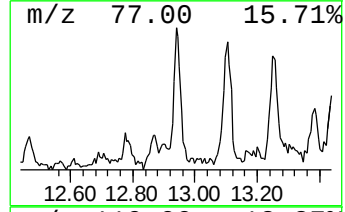
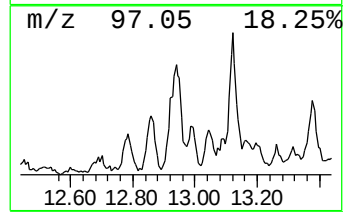
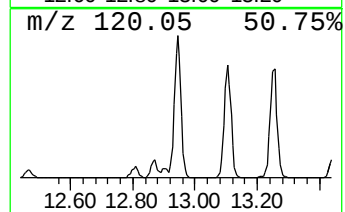
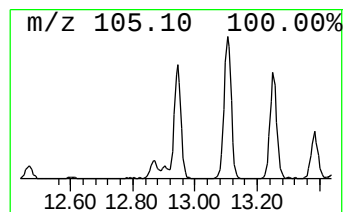
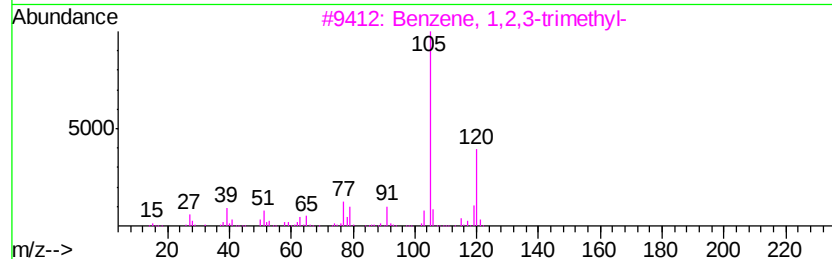
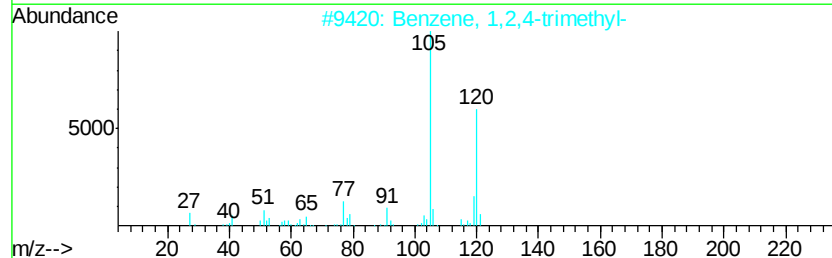
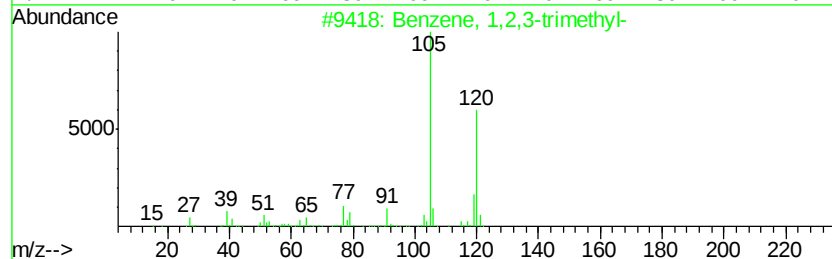
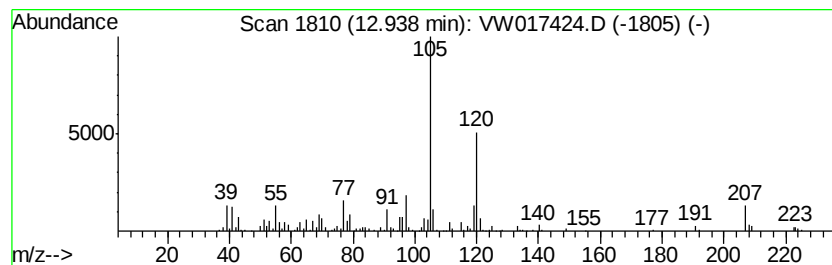
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	16.54 ug/L	230994	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

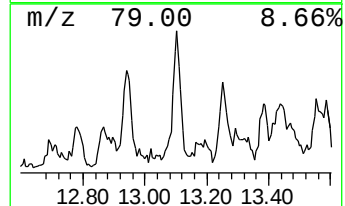
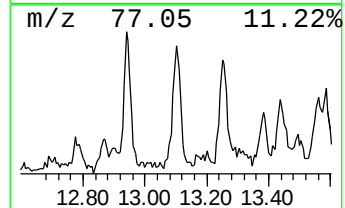
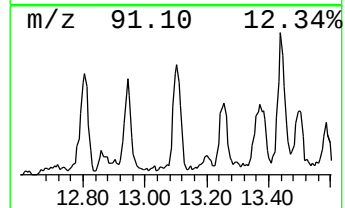
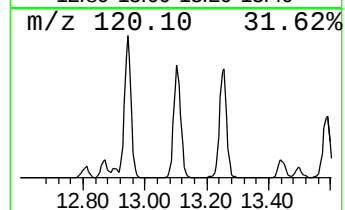
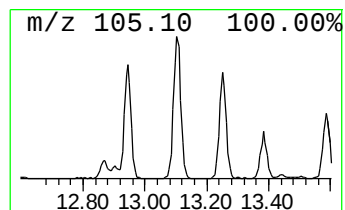
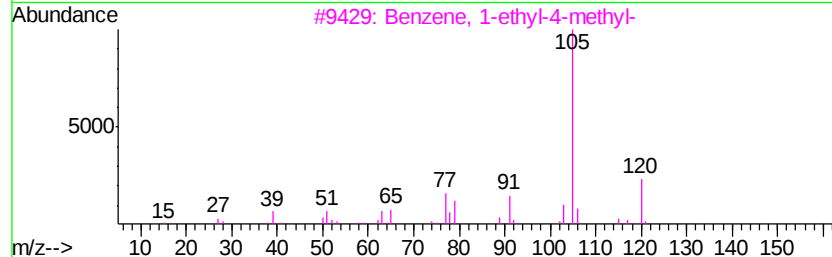
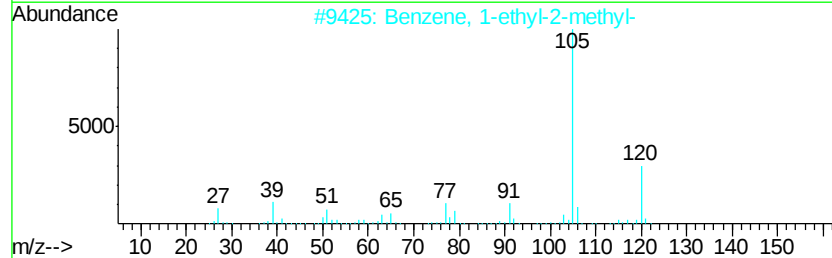
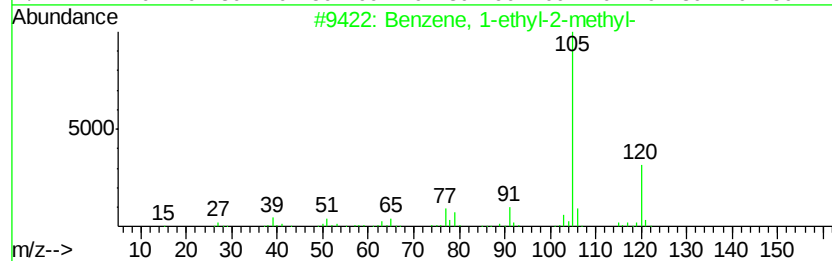
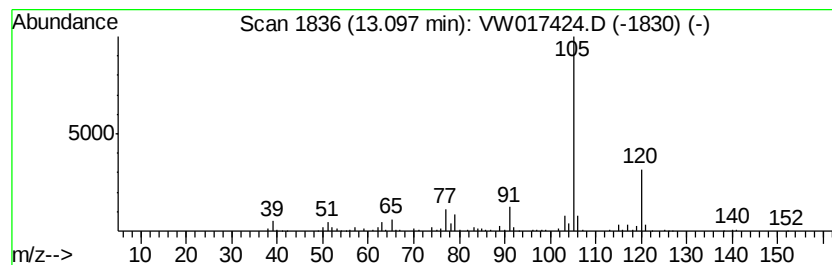
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	9.30 ug/L	129797	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

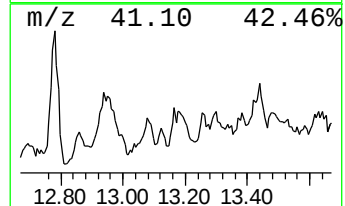
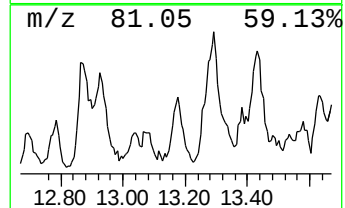
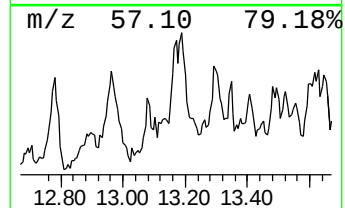
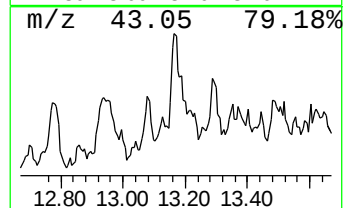
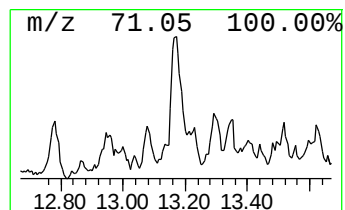
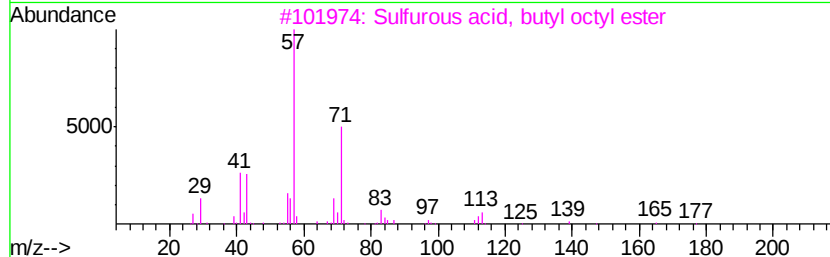
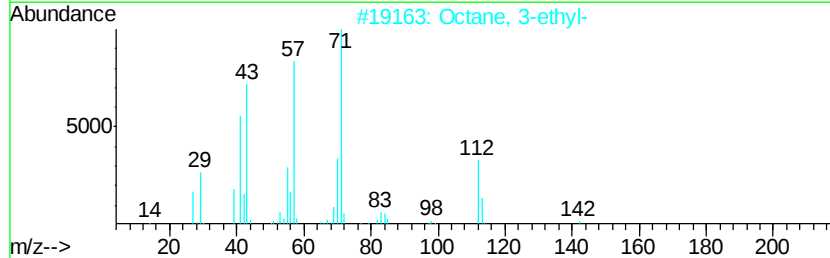
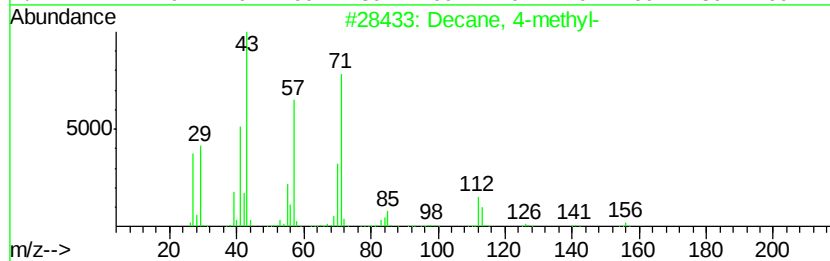
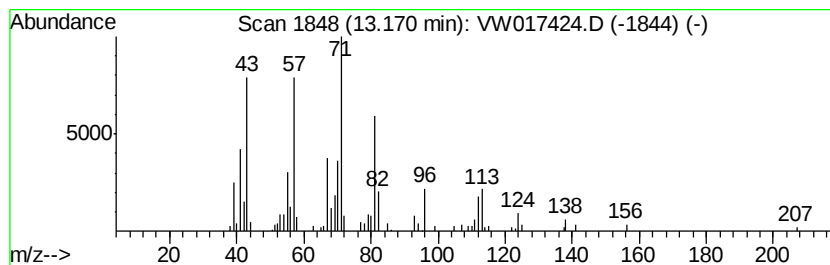
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Quant Title : VOC Analysis

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

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.26 ug/L	31587	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	52
2		Octane, 3-ethyl-	142	C10H22	005881-17-4	47
3		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	47
4		2-Ethylhexyl mercaptoacetate	204	C10H20O2S	007659-86-1	47
5		Octane, 2-iodo-	240	C8H17I	000557-36-8	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

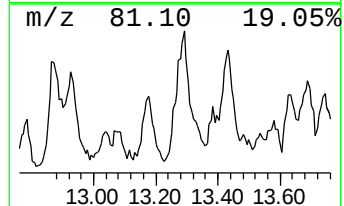
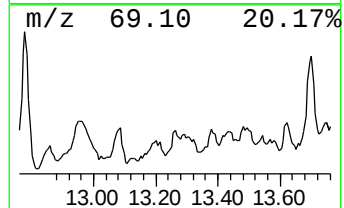
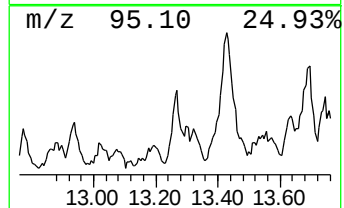
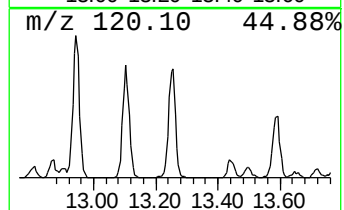
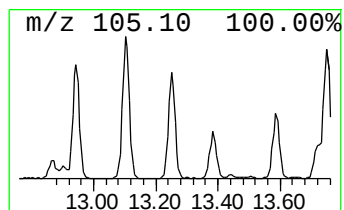
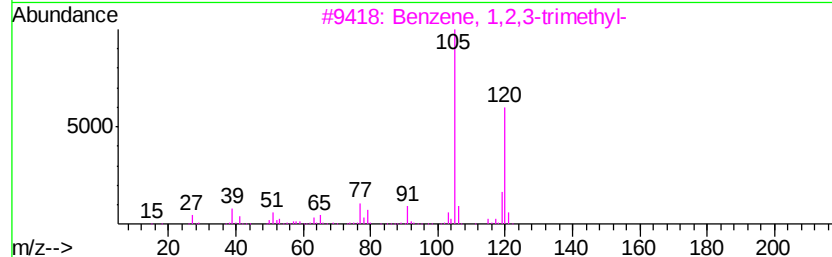
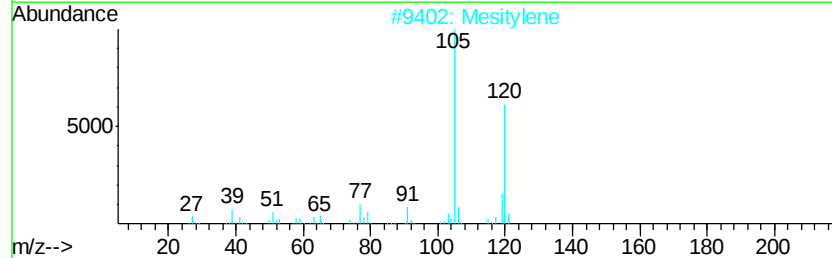
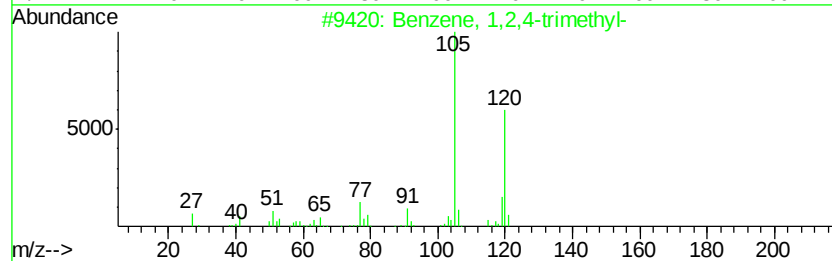
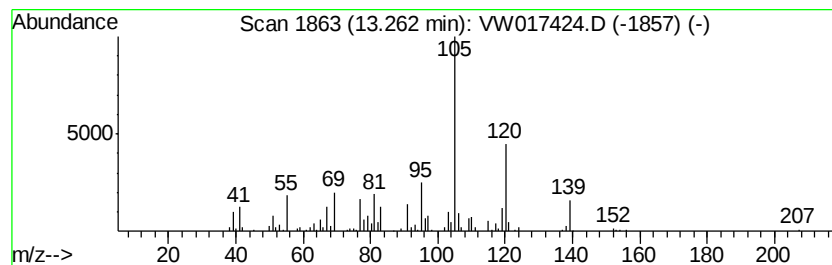
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	6.94 ug/L	96966	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

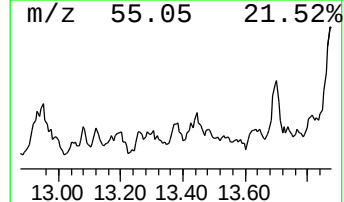
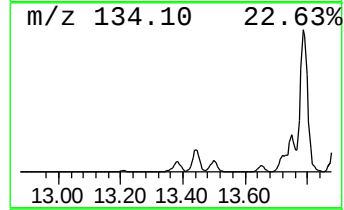
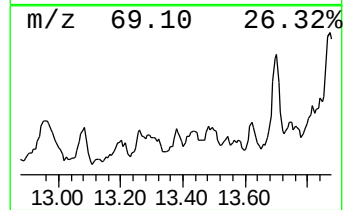
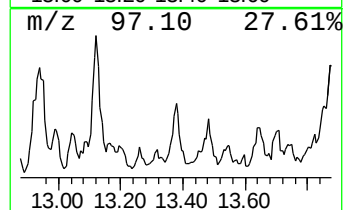
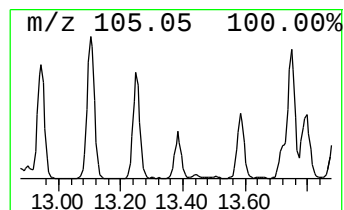
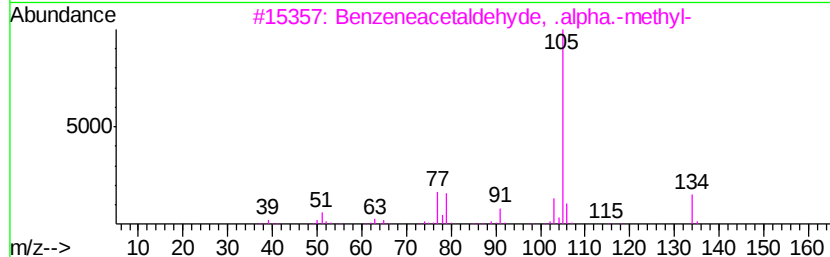
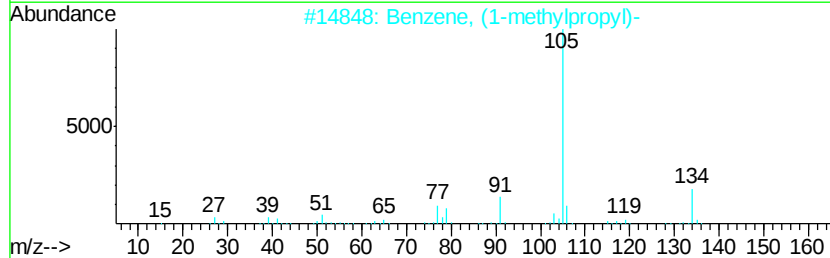
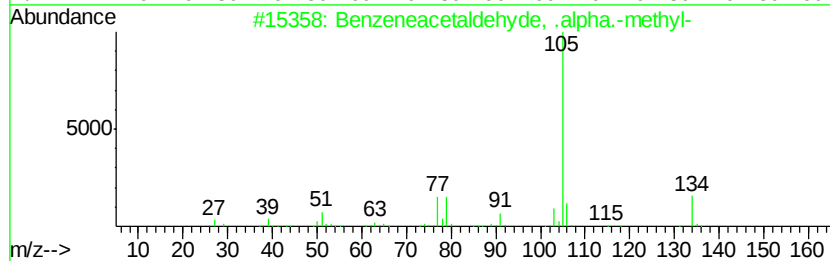
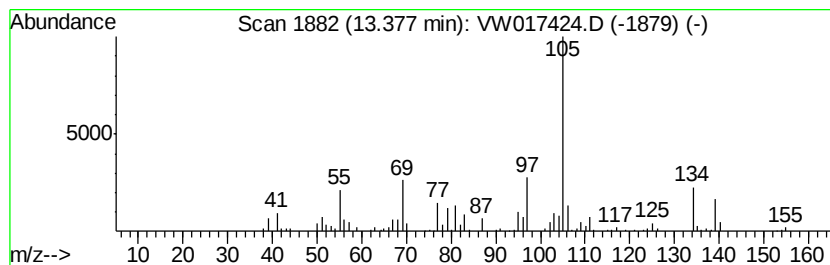
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Quant Title : VOC Analysis

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

Peak Number 15 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.14 ug/L	43895	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	45
2			Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	45
3			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	45
4			Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	43
5			Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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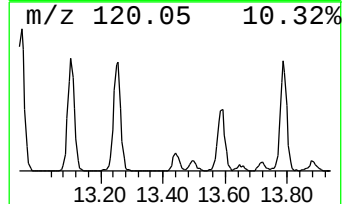
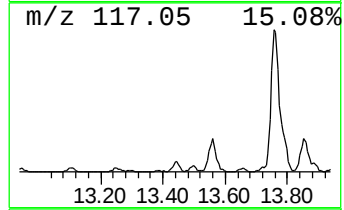
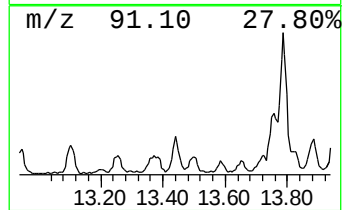
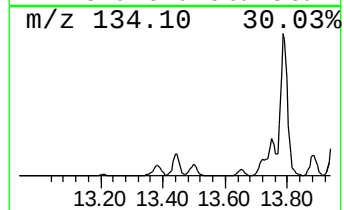
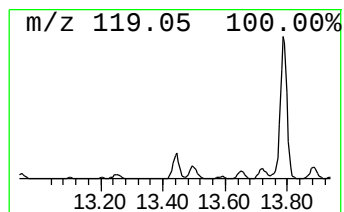
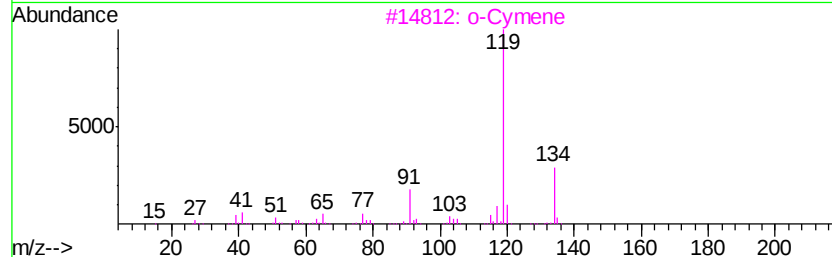
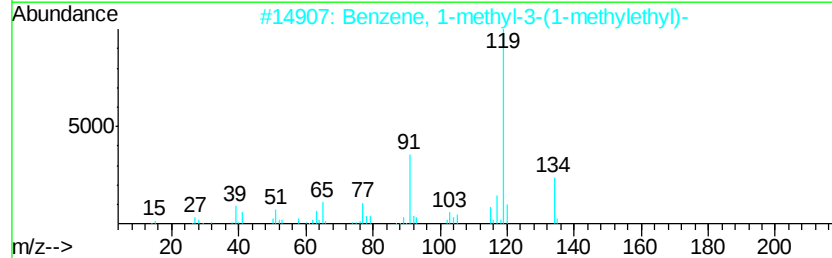
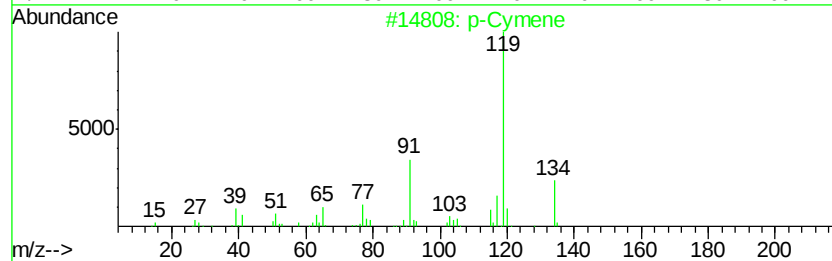
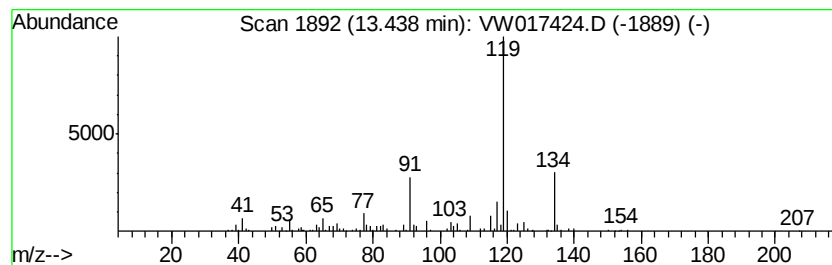
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Quant Title : VOC Analysis

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

Peak Number 16 p-Cymene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	5.79 ug/L	80851	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	91
2		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3		o-Cymene	134	C10H14	000527-84-4	87
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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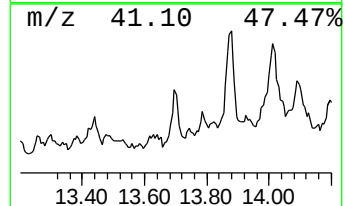
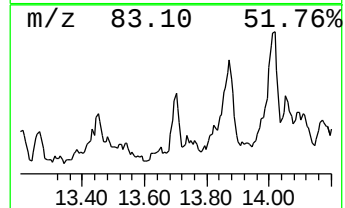
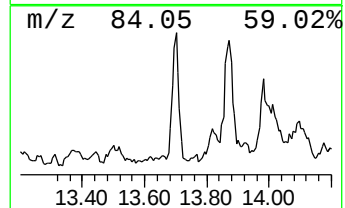
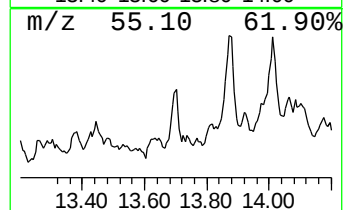
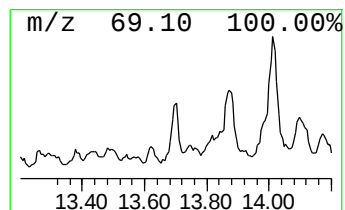
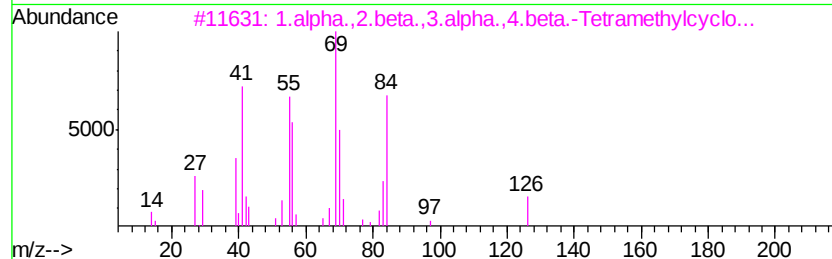
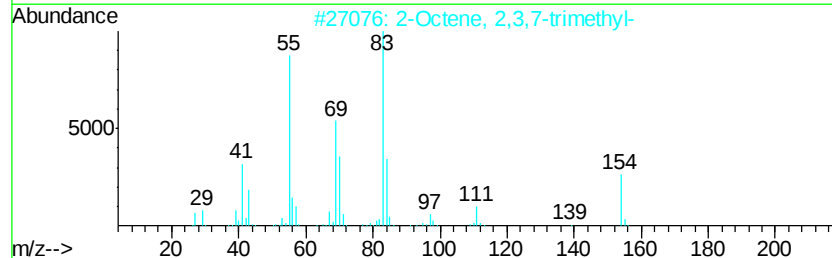
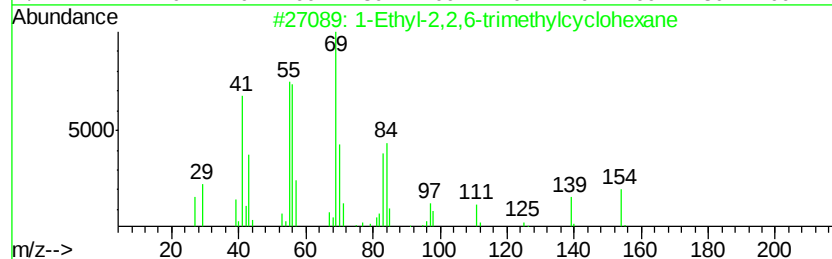
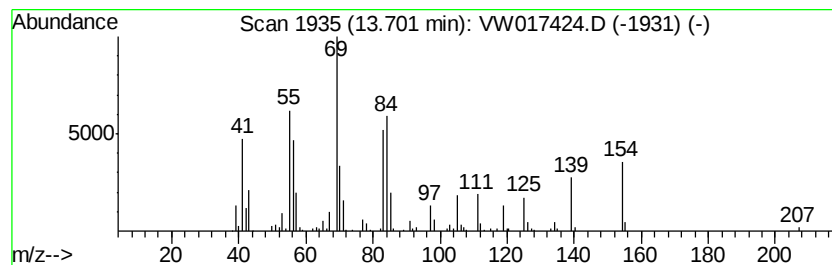
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Quant Title : VOC Analysis

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

Peak Number 17 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	5.83 ug/L	81470	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	87
2			2-Octene, 2,3,7-trimethyl-	154	C11H22	033933-75-4	53
3			1.alpha.,2.beta.,3.alpha.,4.beta...	126	C9H18	002532-67-4	49
4			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
5			Cyclopentane, 1,2-dibutyl-	182	C13H26	062199-52-4	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

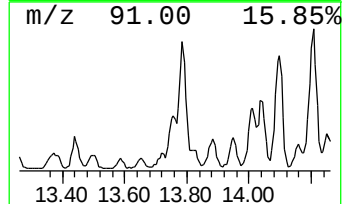
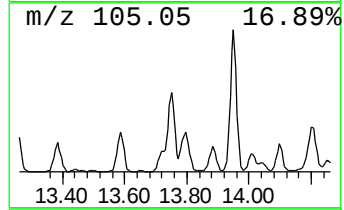
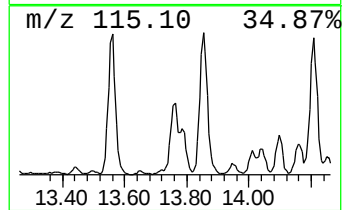
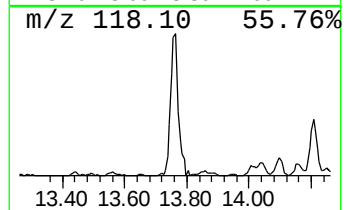
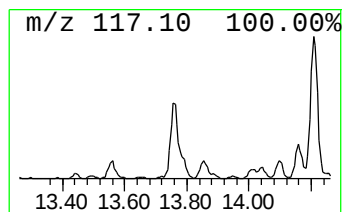
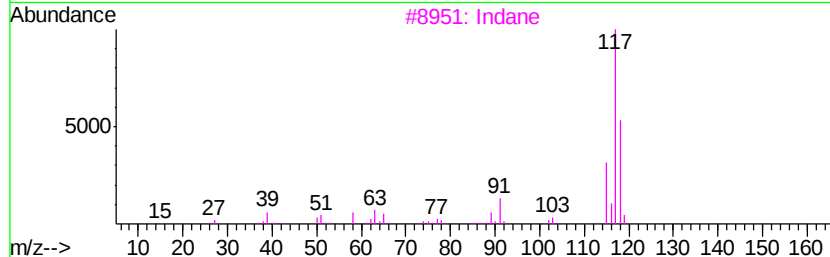
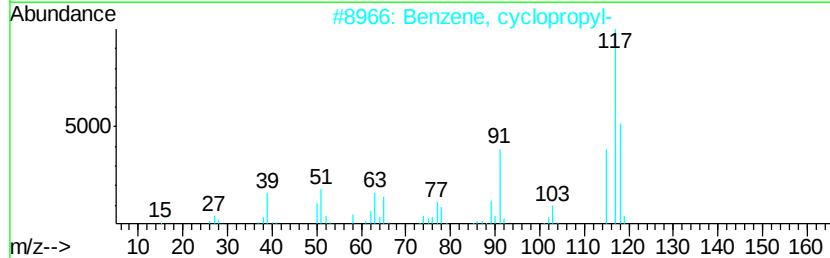
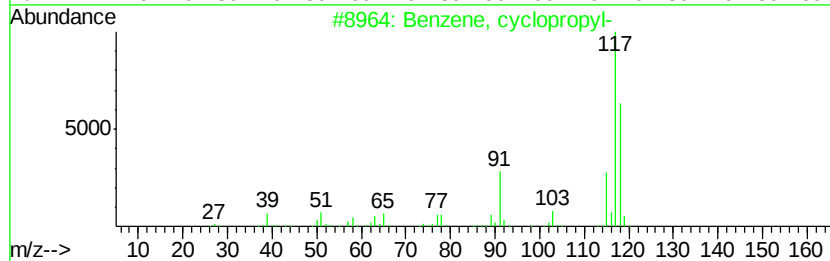
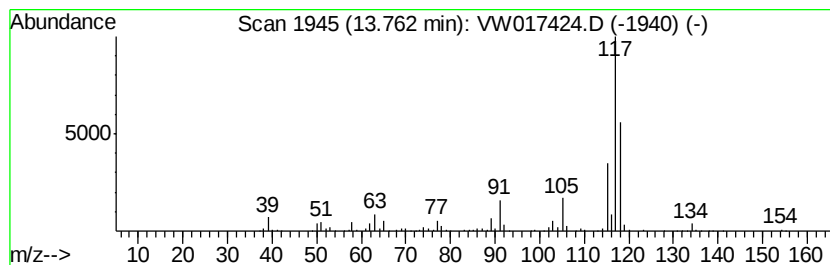
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, cyclopropyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	11.42 ug/L	159484	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2		Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
3		Indane	118	C9H10	000496-11-7	70
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
5		Indane	118	C9H10	000496-11-7	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

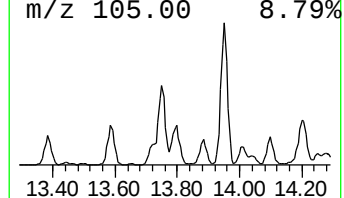
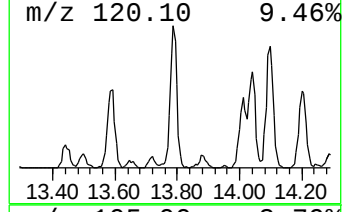
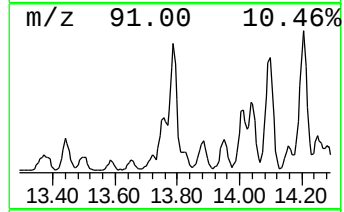
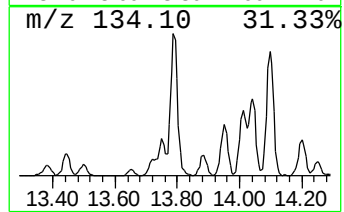
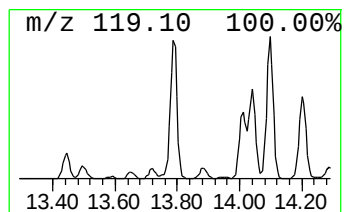
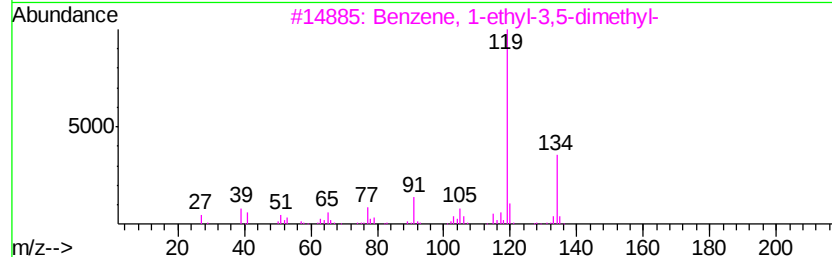
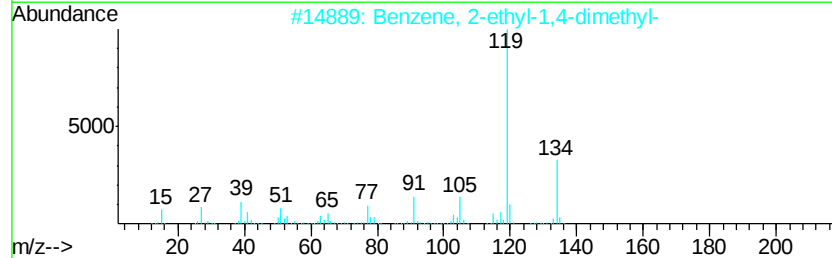
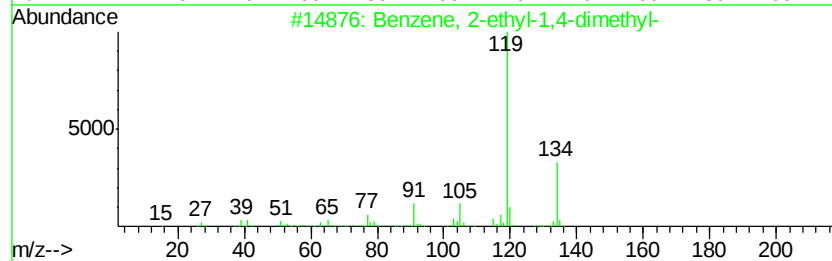
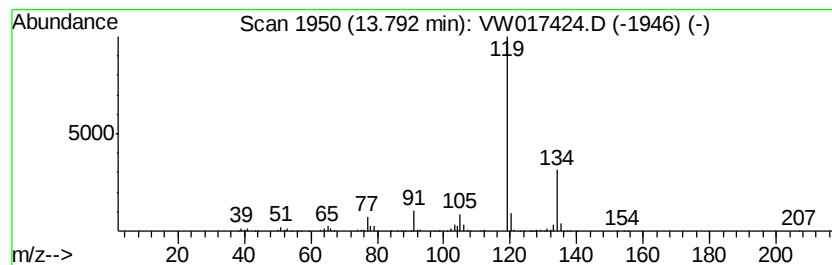
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Quant Title : VOC Analysis

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

Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	20.01 ug/L	279367	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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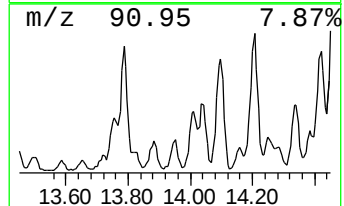
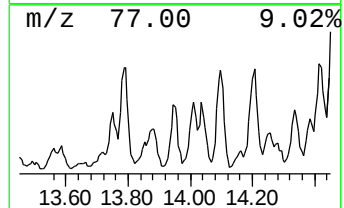
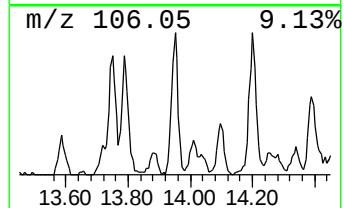
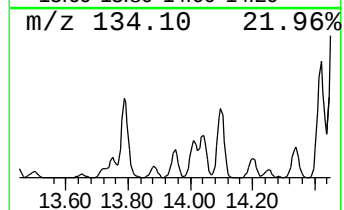
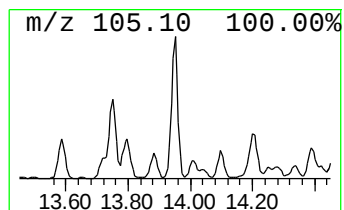
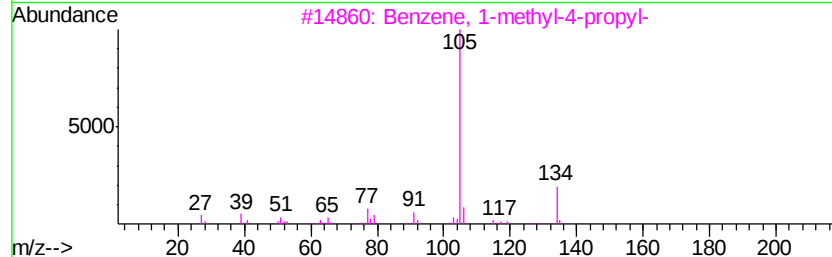
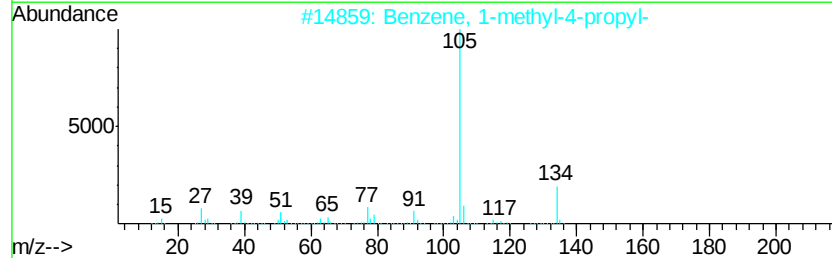
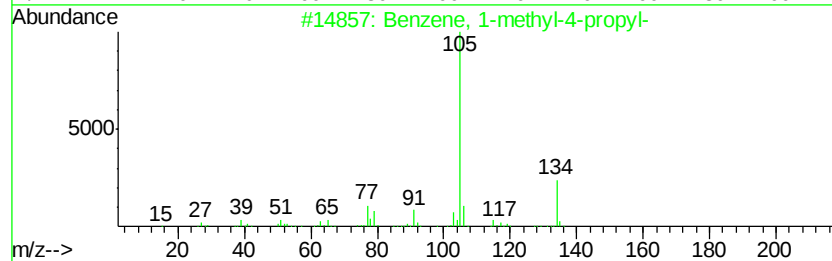
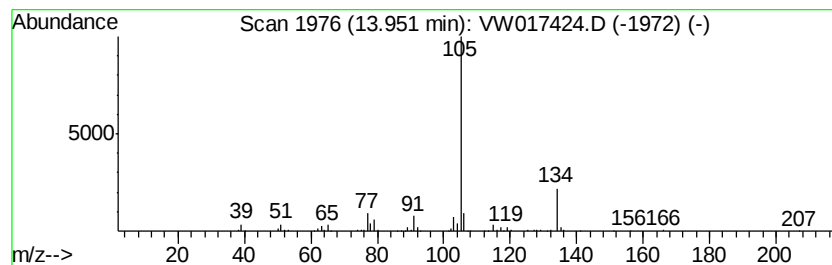
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-methyl-4-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	6.39 ug/L	89230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
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-methylpropyl)-	134	C10H14	000135-98-8	91
5		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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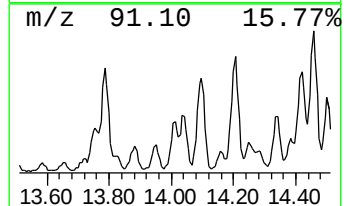
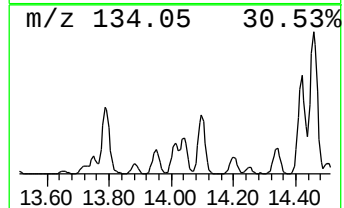
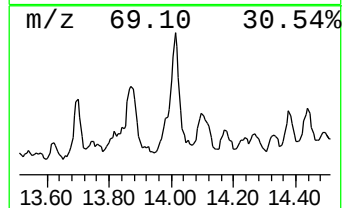
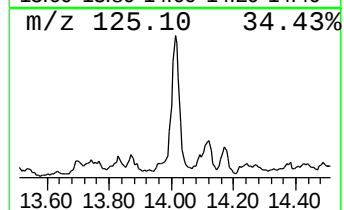
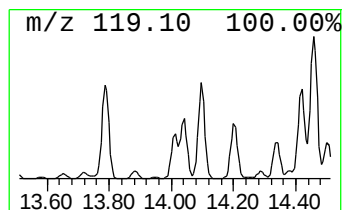
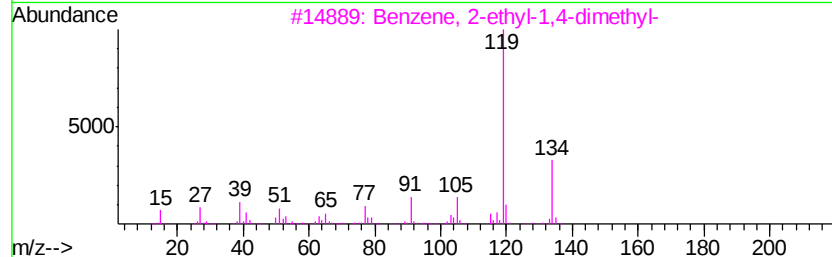
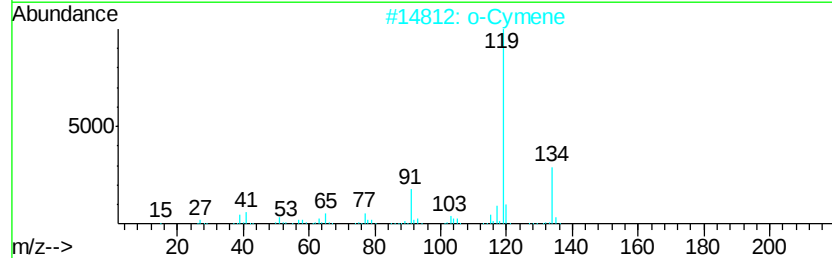
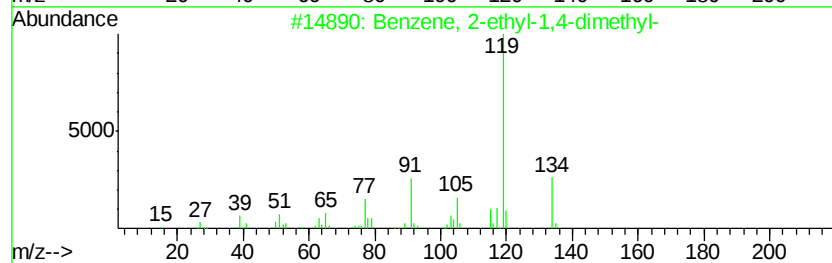
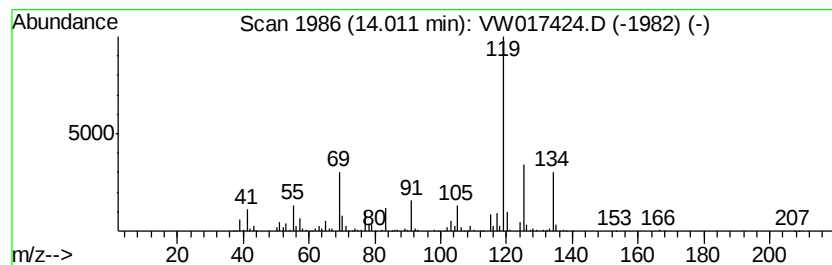
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Quant Title : VOC Analysis

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

Peak Number 21 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	16.79 ug/L	234439	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2		o-Cymene	134	C10H14	000527-84-4	94
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4		o-Cymene	134	C10H14	000527-84-4	94
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

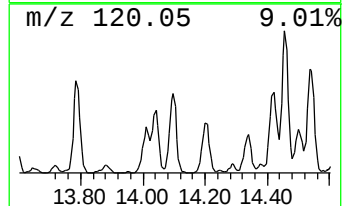
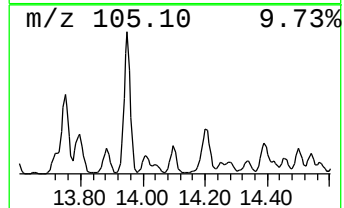
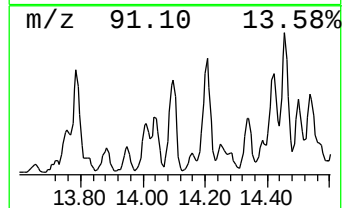
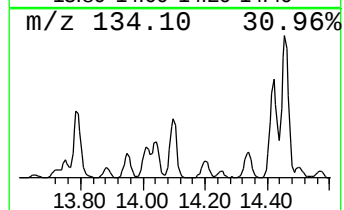
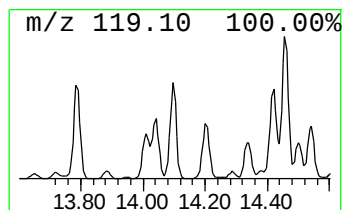
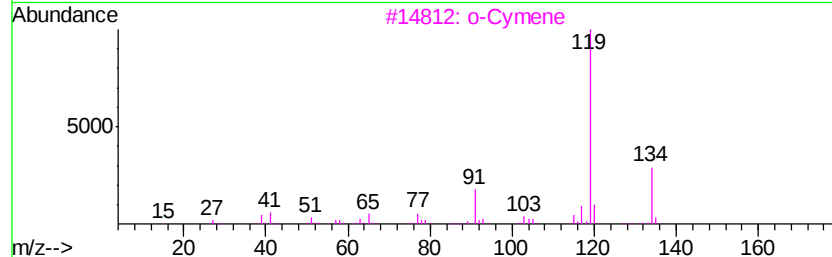
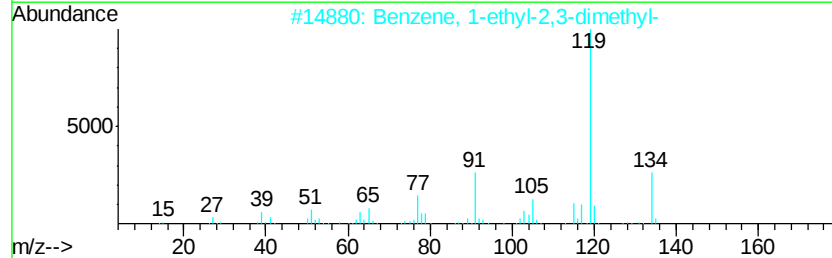
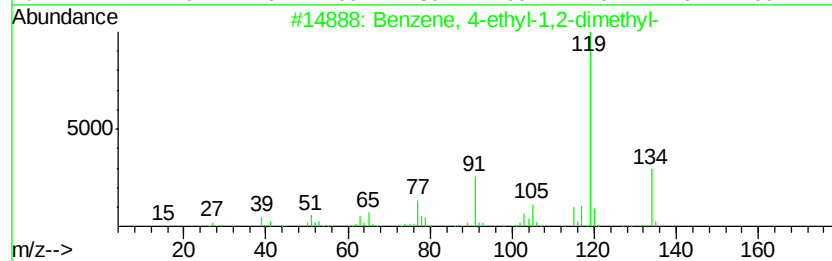
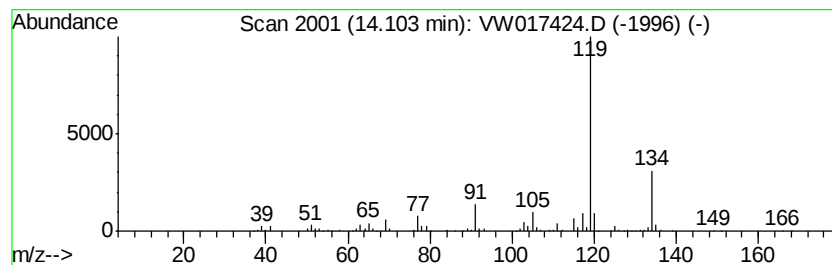
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	24.83 ug/L	346622	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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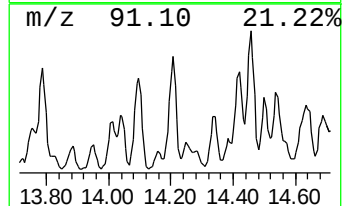
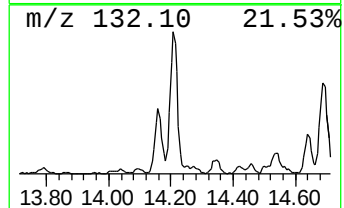
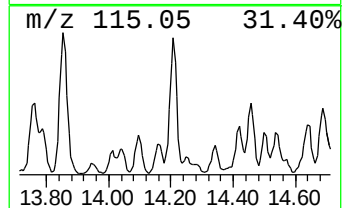
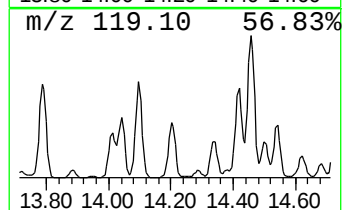
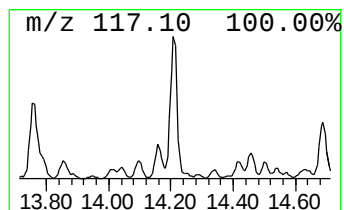
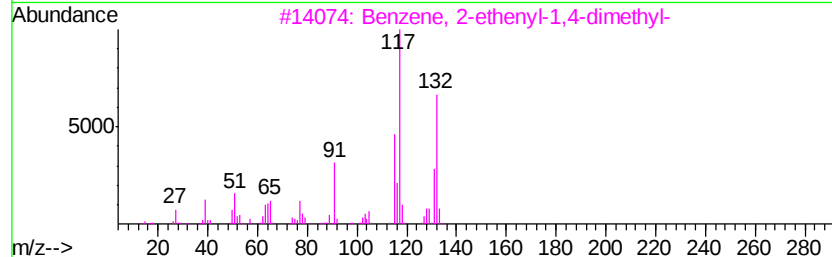
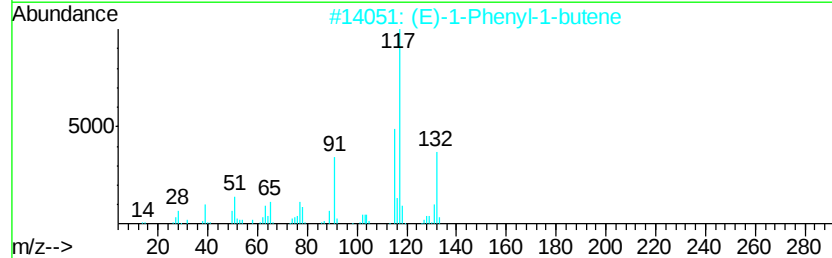
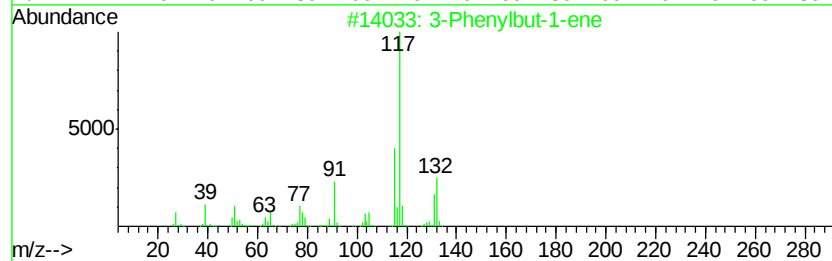
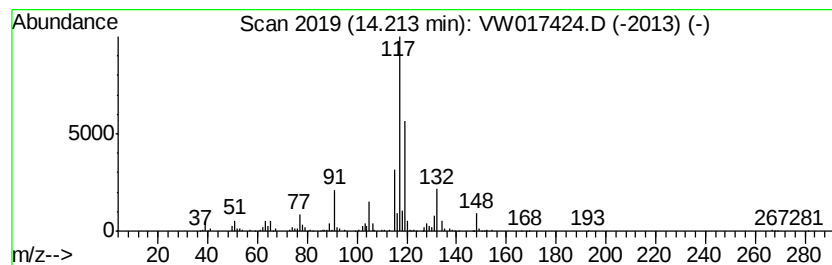
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Quant Title : VOC Analysis

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

Peak Number 23 3-Phenylbut-1-ene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	25.20 ug/L	351858	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
2		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	55
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	50
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

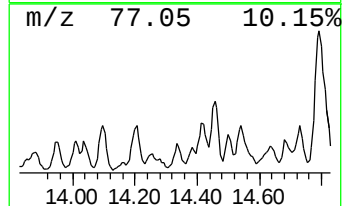
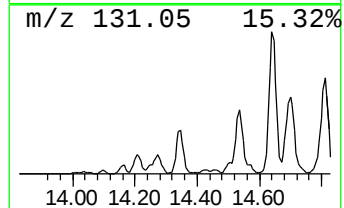
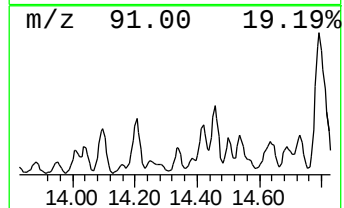
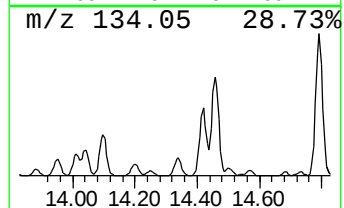
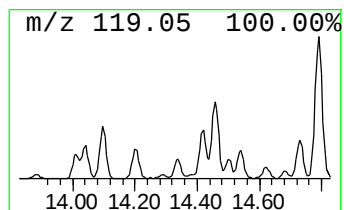
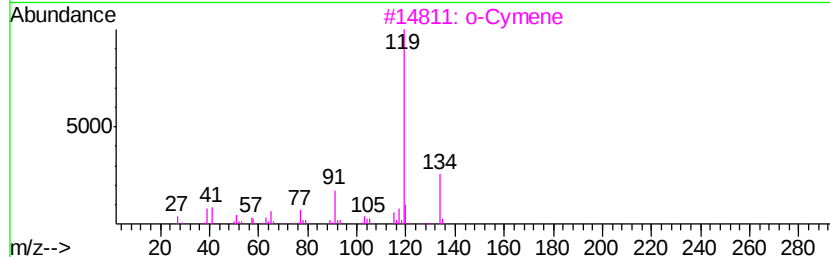
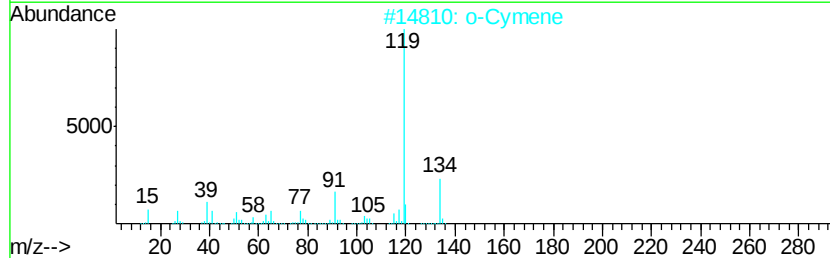
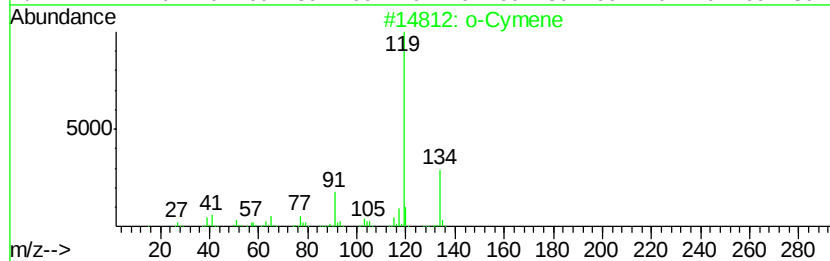
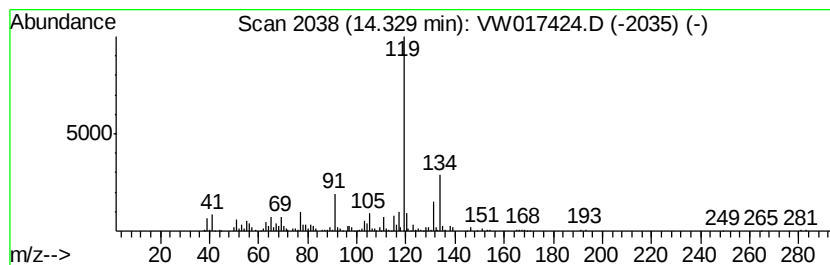
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Quant Title : VOC Analysis

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

Peak Number 24 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	12.62 ug/L	176167	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		o-Cymene	134	C10H14	000527-84-4	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		p-Cymene	134	C10H14	000099-87-6	93
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

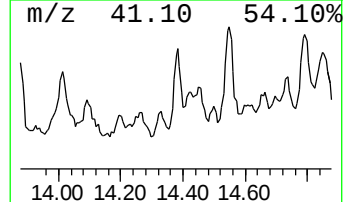
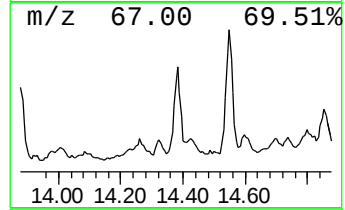
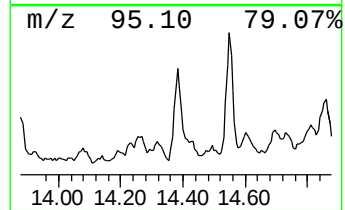
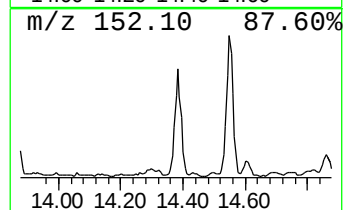
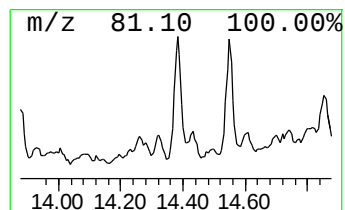
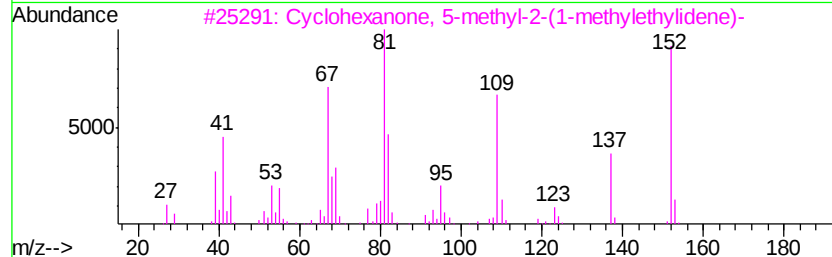
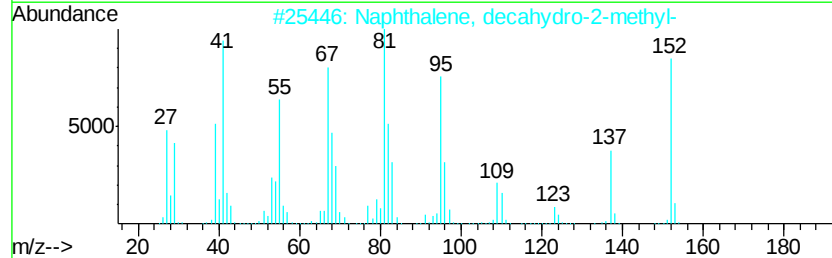
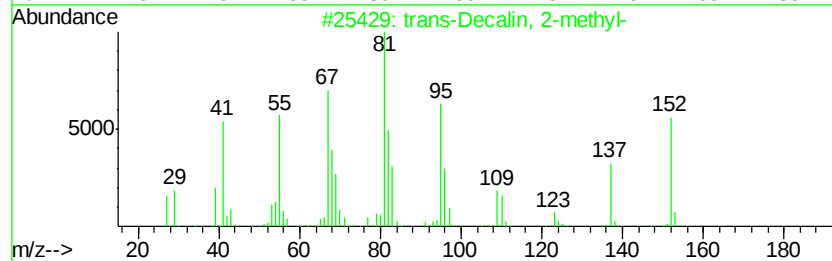
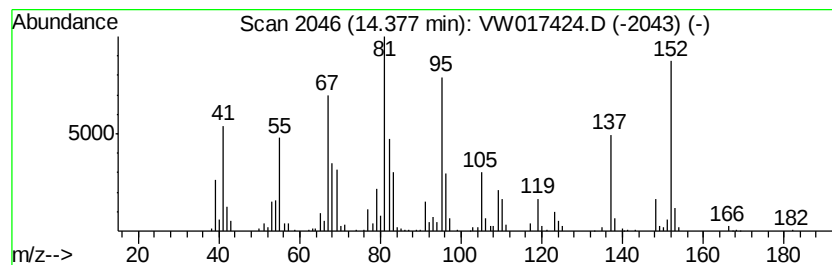
Instrument :
MSVOA_W
ClientSampleId :
C0AD2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 25 trans-Decalin, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.38	18.58 ug/L	259366	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95	
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	95	
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	86	
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76	
5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	76	



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

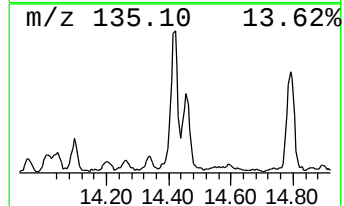
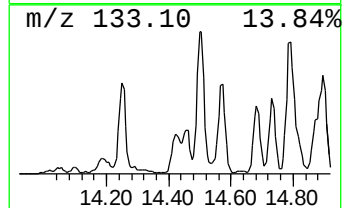
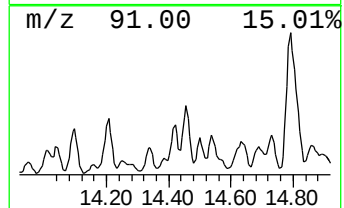
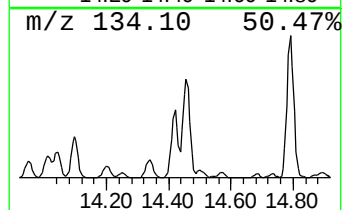
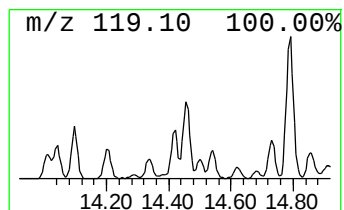
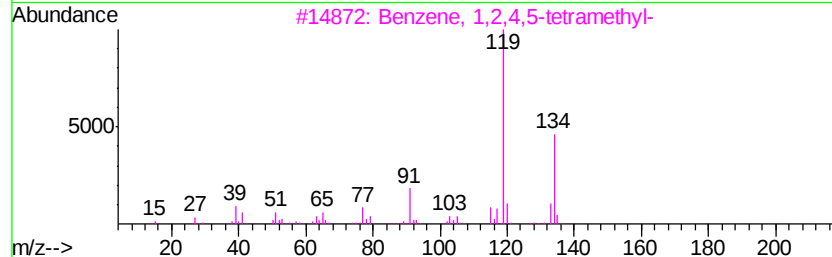
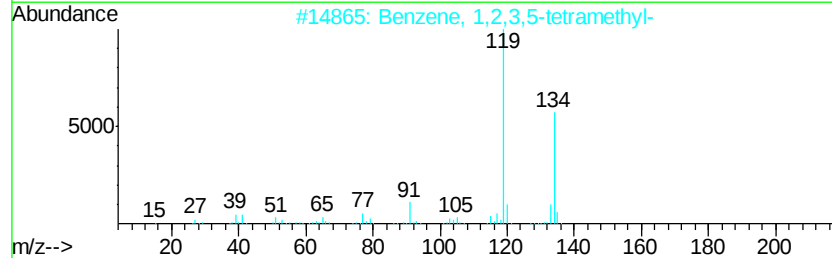
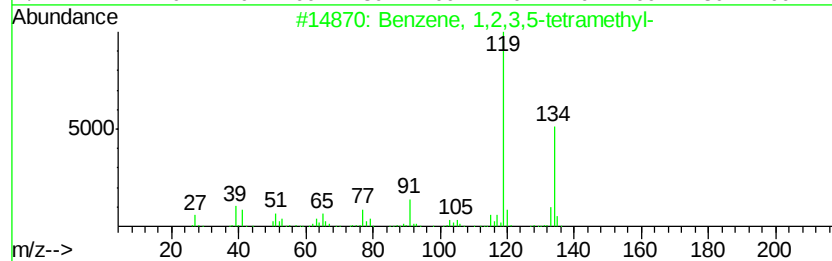
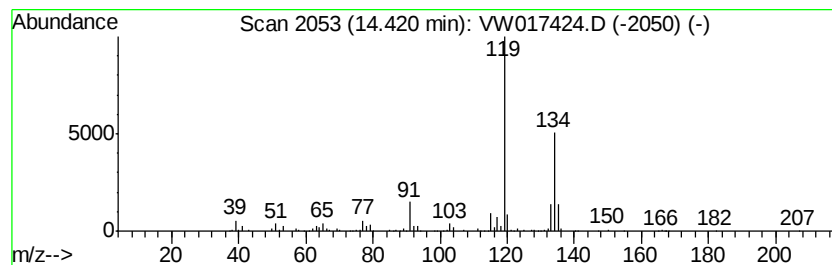
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	25.56 ug/L	356911	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
4		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

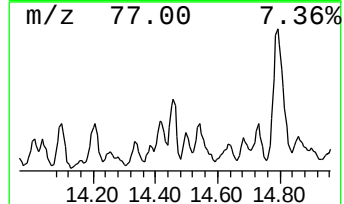
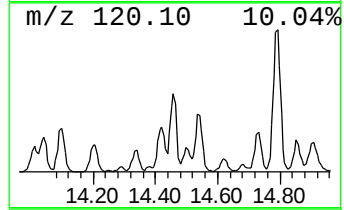
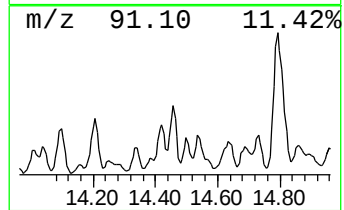
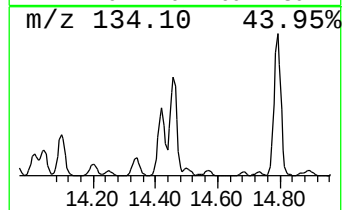
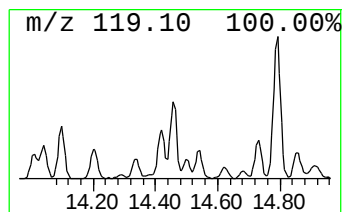
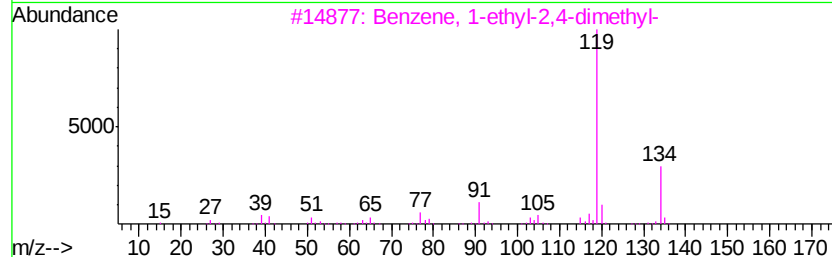
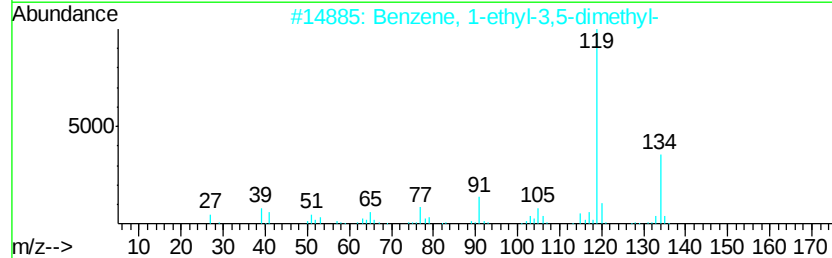
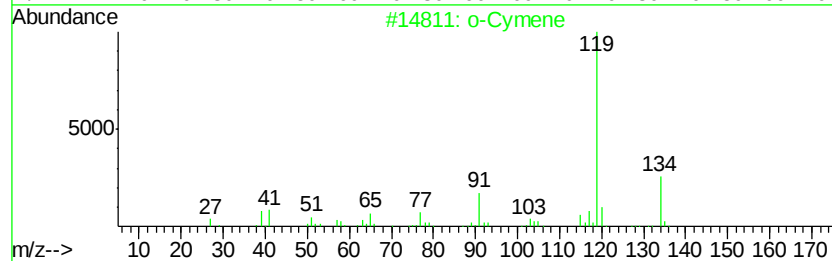
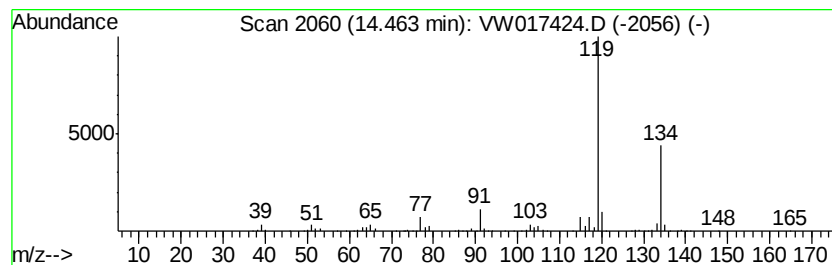
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	31.77 ug/L	443624	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	96
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
3		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

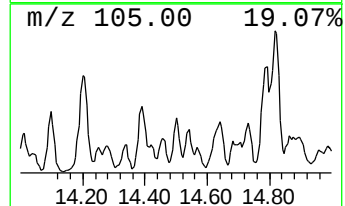
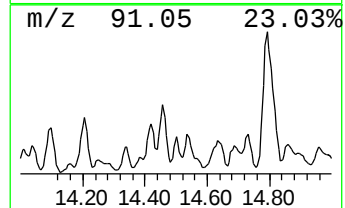
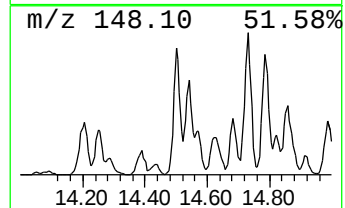
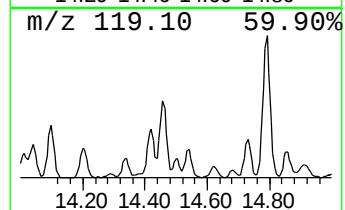
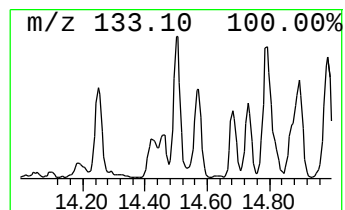
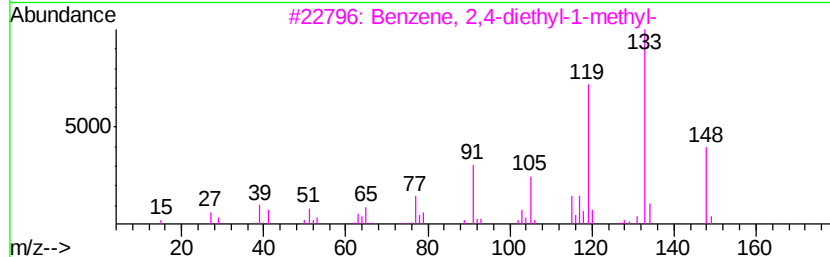
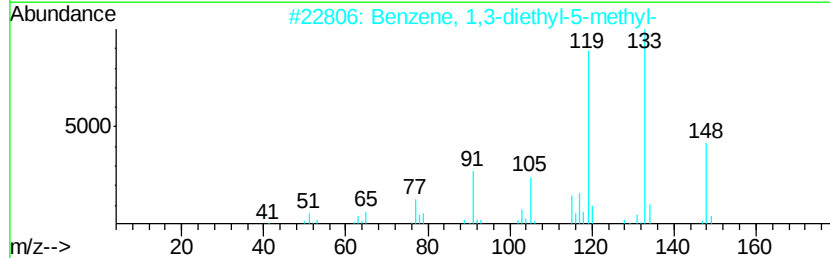
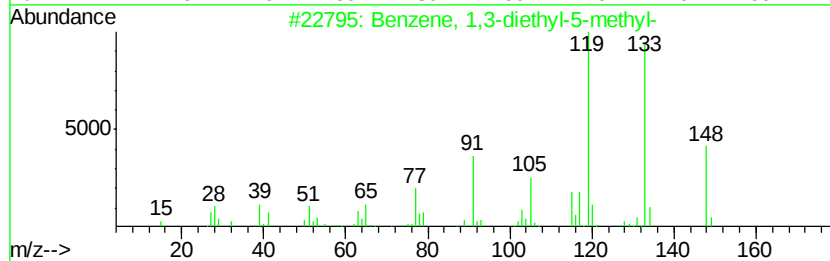
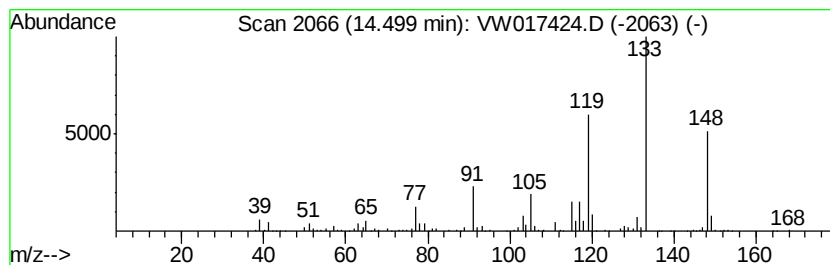
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	14.04 ug/L	196044	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	94
2		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	91
3		Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	91
4		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	91
5		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

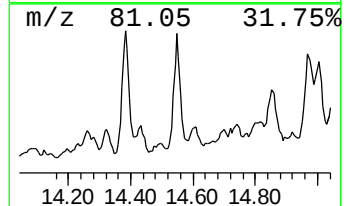
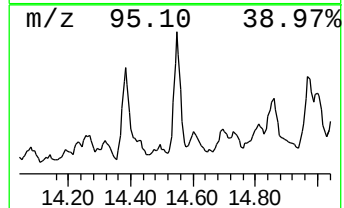
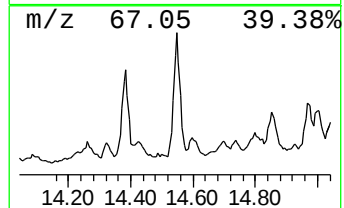
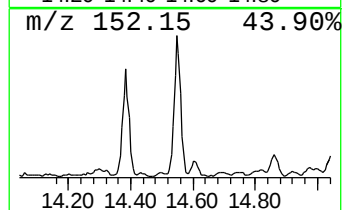
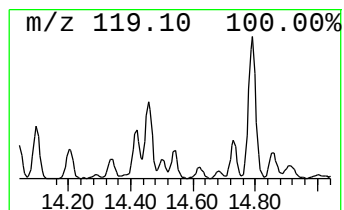
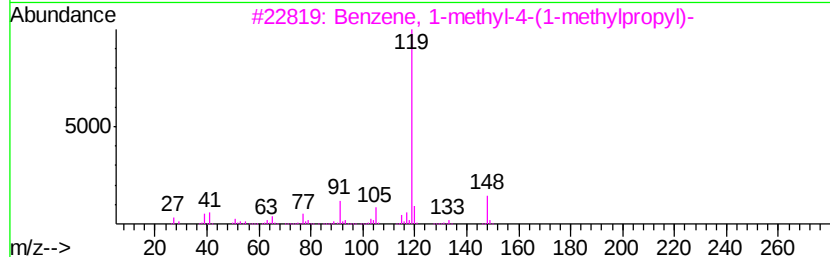
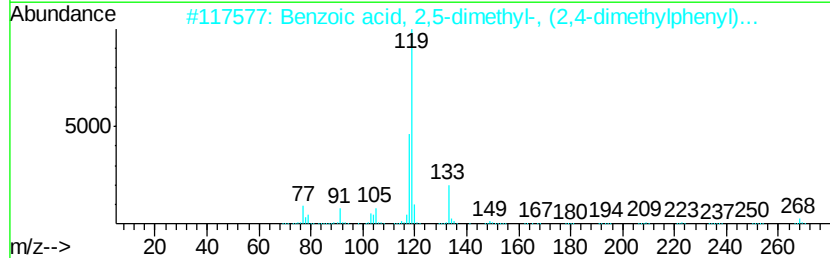
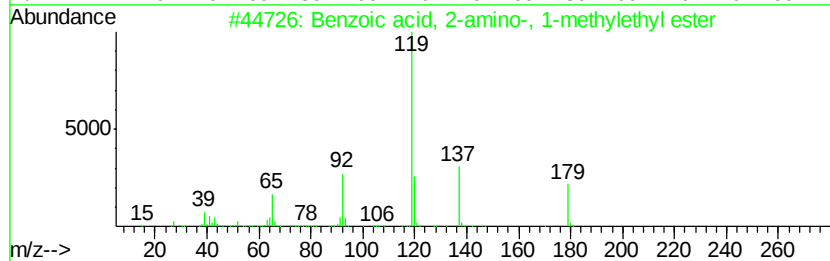
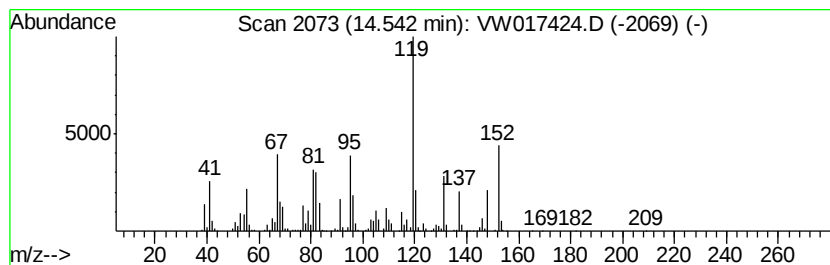
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Quant Title : VOC Analysis

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

Peak Number 29 unknown-04 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	35.39 ug/L	494121	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzoic acid, 2-amino-, 1-methyl...	179	C10H13NO2	018189-02-1	27
2		Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	22
3		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	22
4		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22
5		Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	18



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

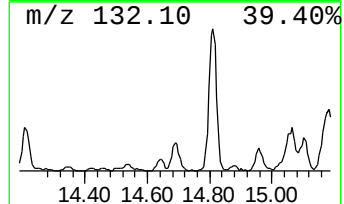
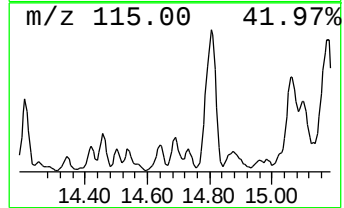
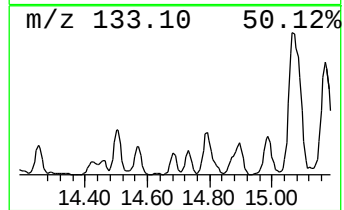
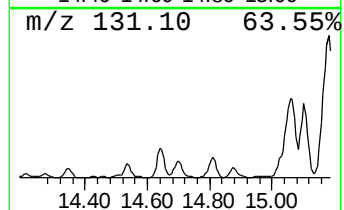
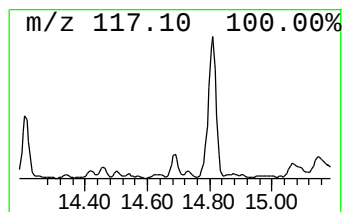
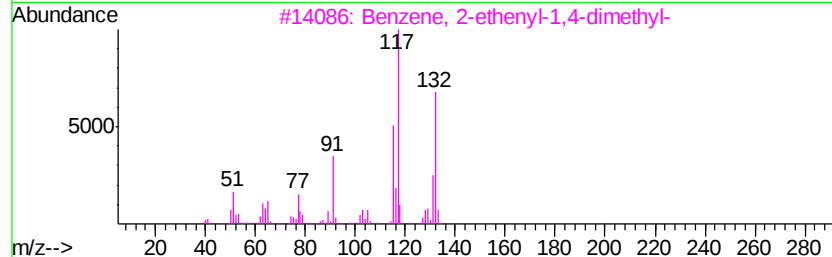
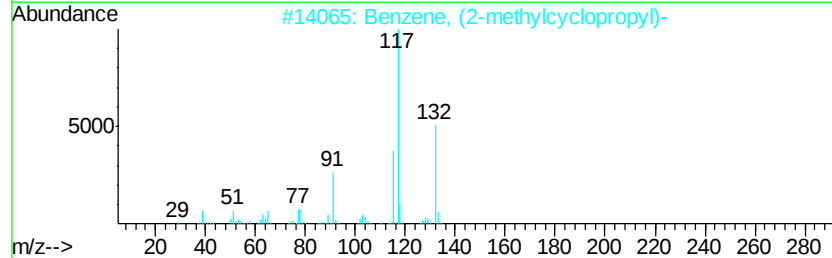
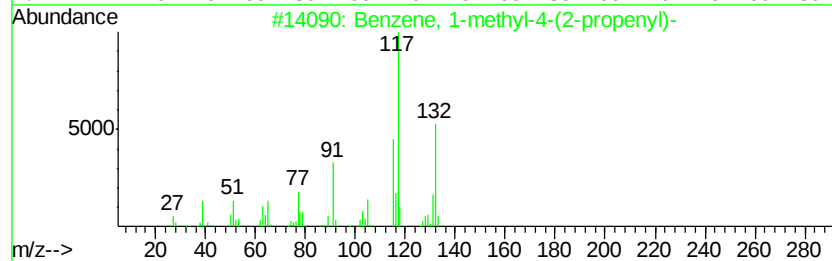
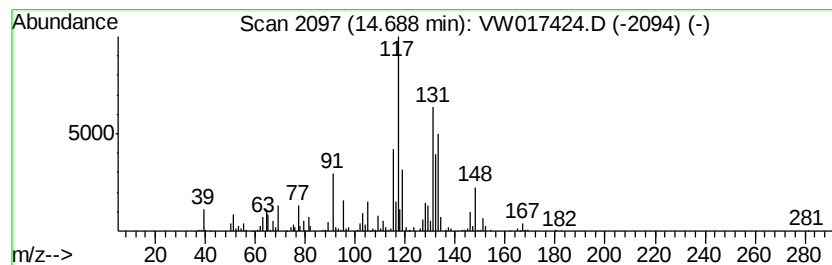
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1-methyl-4-(2-prop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	11.84 ug/L	165359	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	55
2		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	49
3		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	46
4		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	46
5		Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

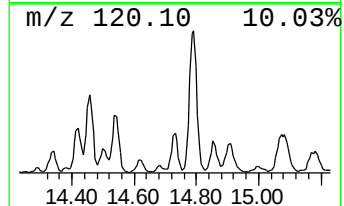
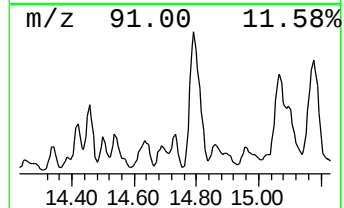
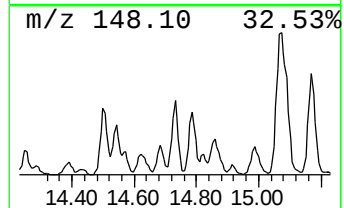
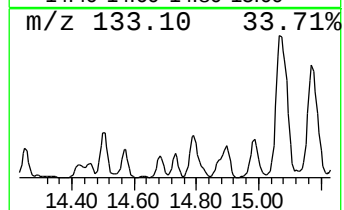
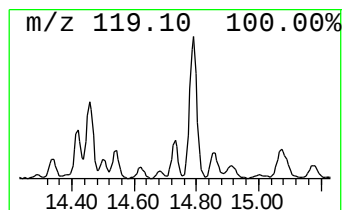
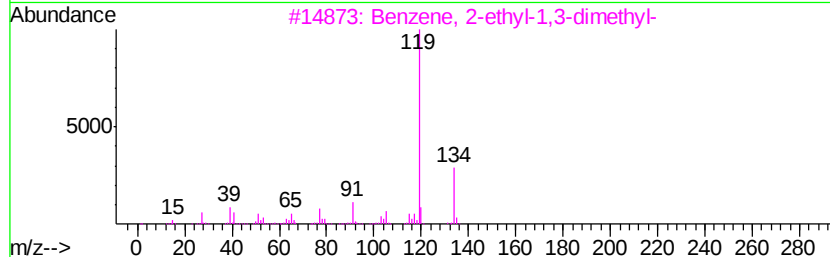
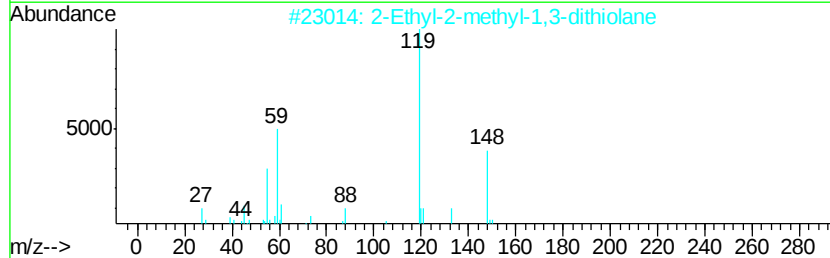
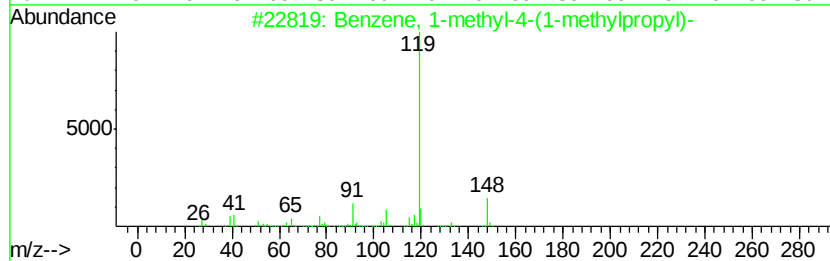
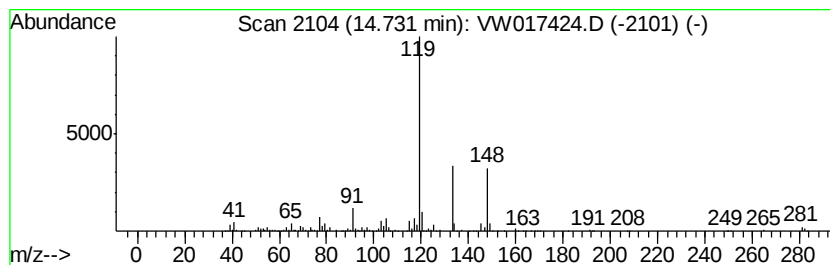
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 1-methyl-4-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	18.79 ug/L	262424	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2		2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	72
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	64
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

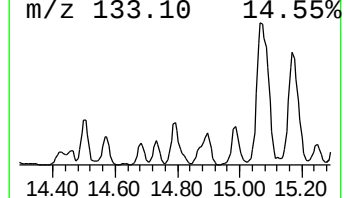
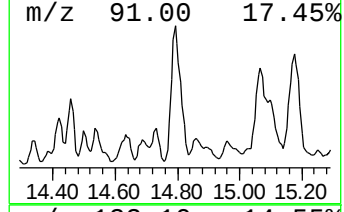
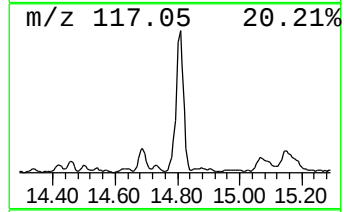
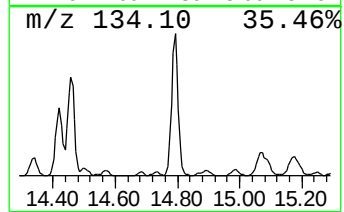
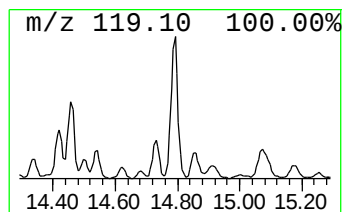
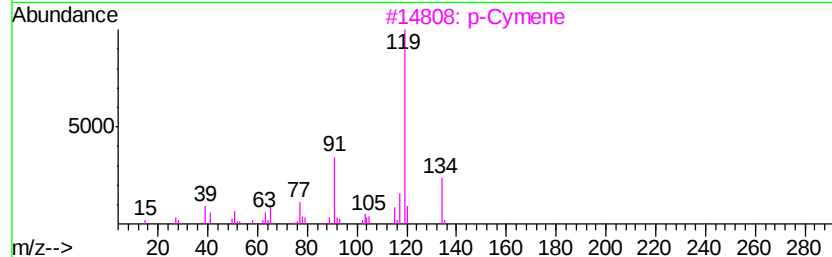
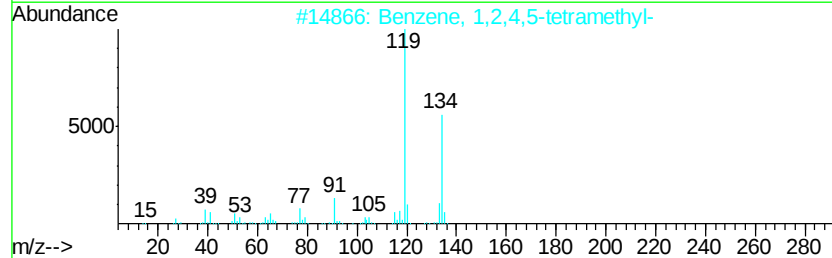
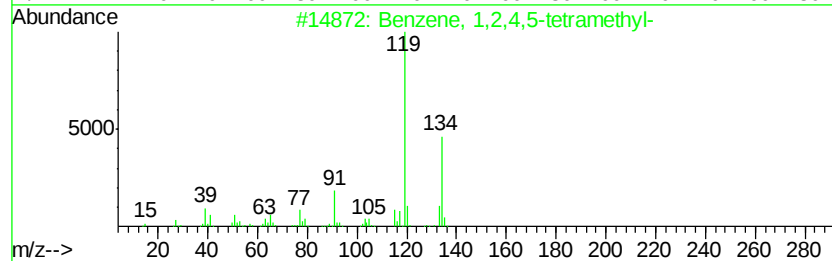
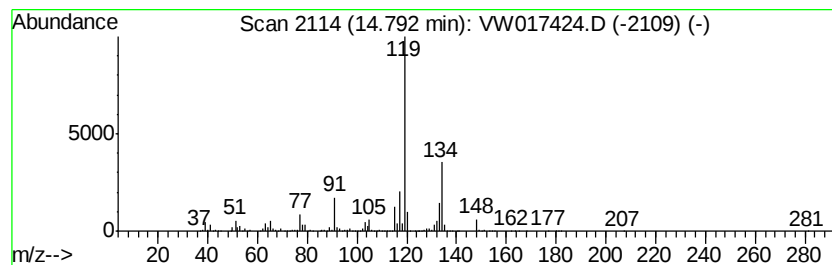
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	114.39 ug/L	1597230	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
3		p-Cymene	134	C10H14	000099-87-6	83
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
5		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

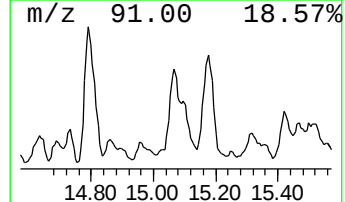
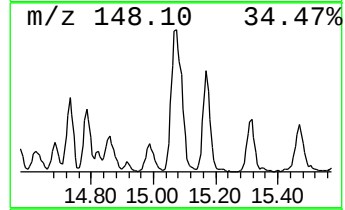
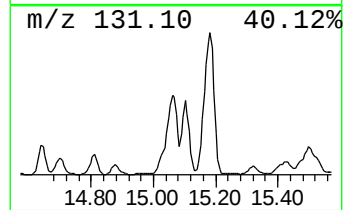
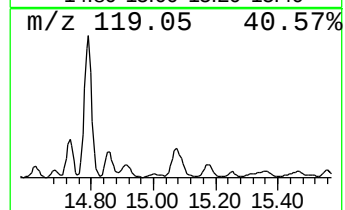
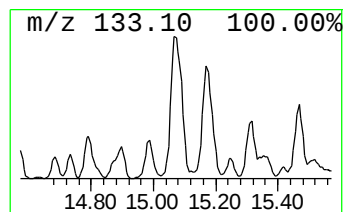
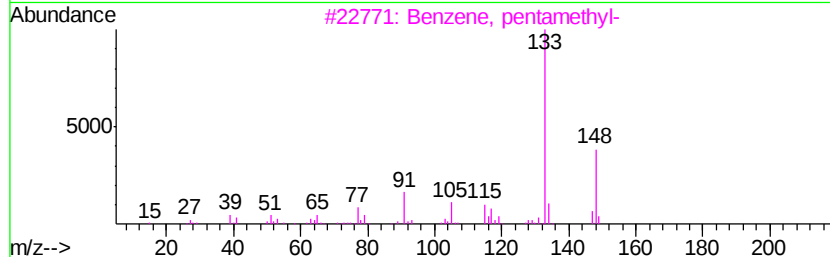
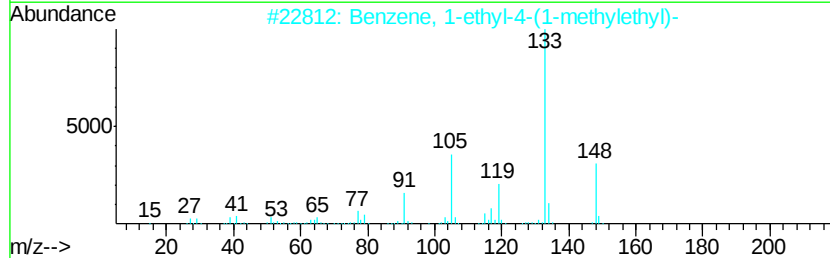
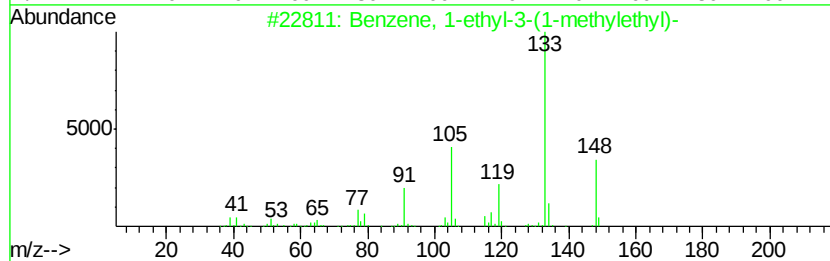
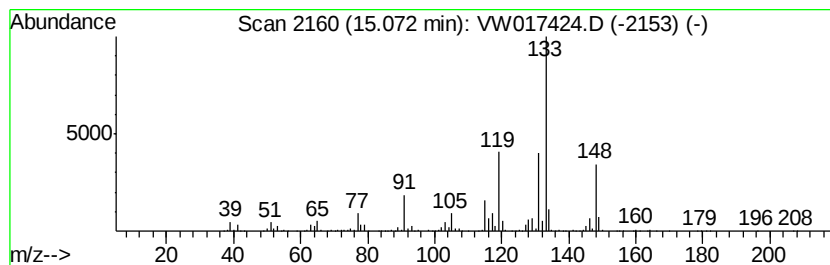
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Quant Title : VOC Analysis

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

Peak Number 33 Benzene, 1-ethyl-3-(1-methylethyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	71.05 ug/L	992041	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	62
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	58
3		Benzene, pentamethyl-	148	C11H16	000700-12-9	53
4		1,5,6,7-Tetramethylbicyclo[3.2.0]...	148	C11H16	134329-46-7	52
5		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

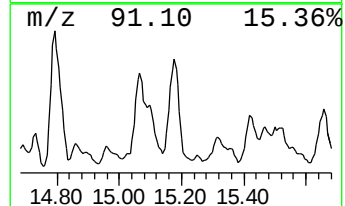
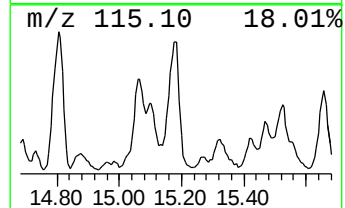
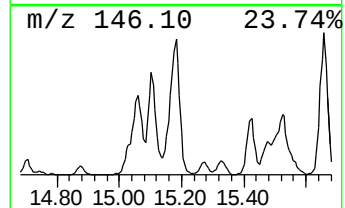
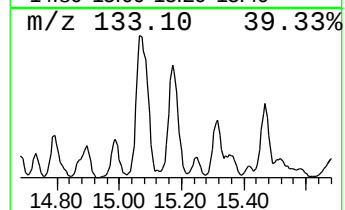
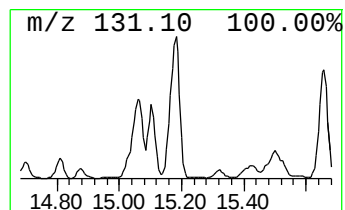
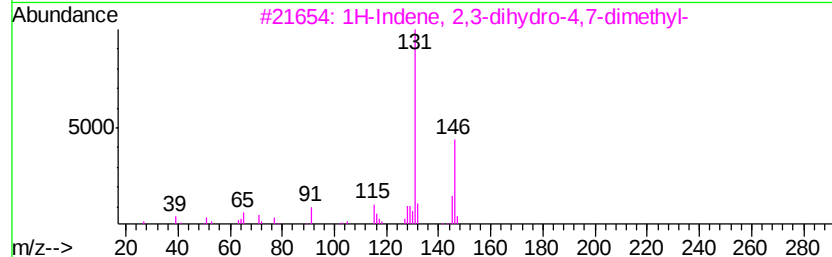
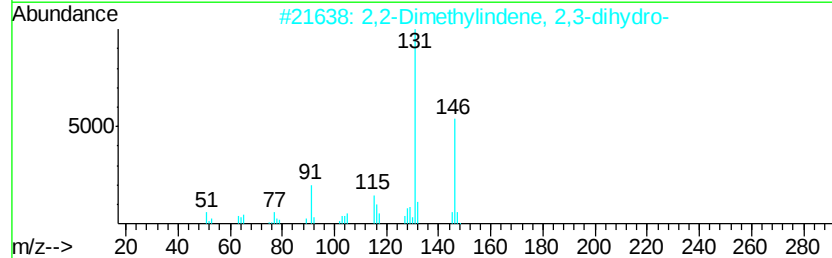
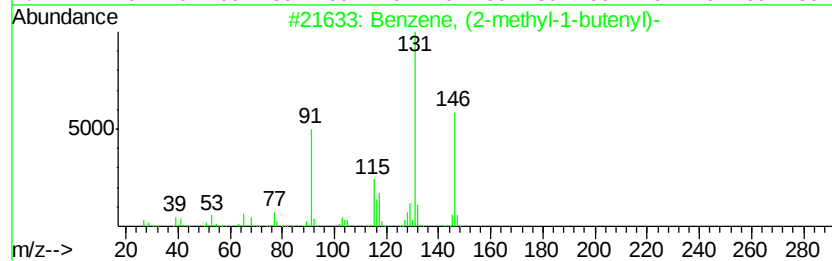
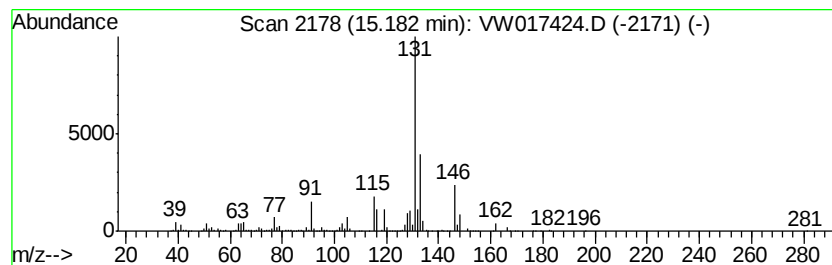
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Quant Title : VOC Analysis

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

Peak Number 34 Benzene, (2-methyl-1-butenyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	95.76 ug/L	1337120	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
4		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	70
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

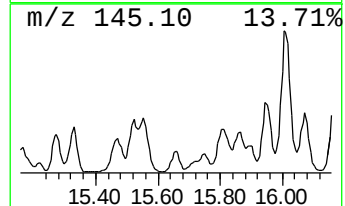
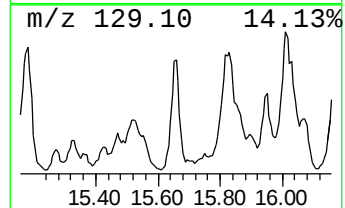
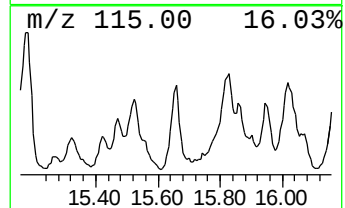
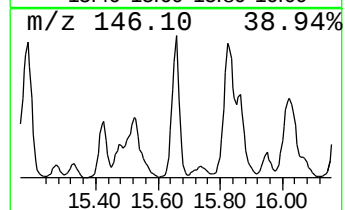
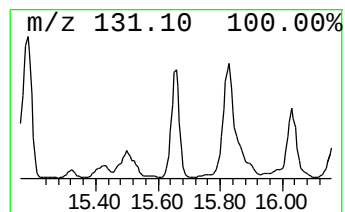
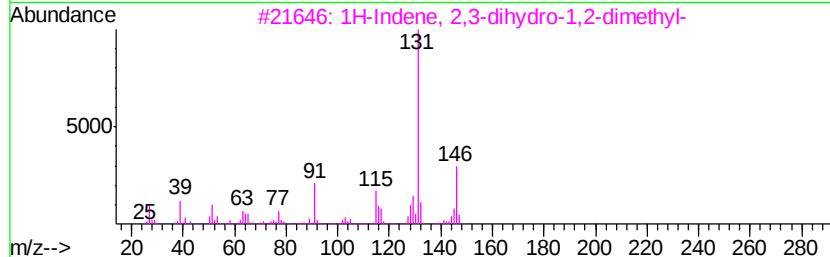
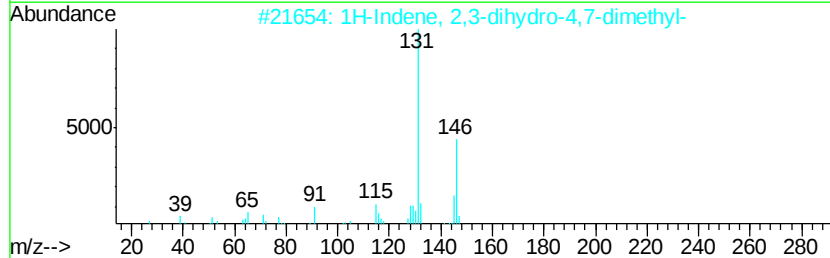
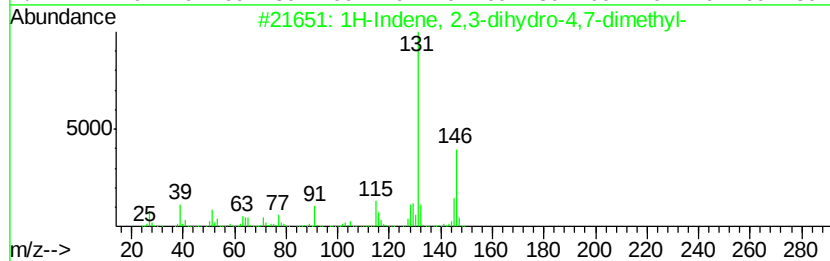
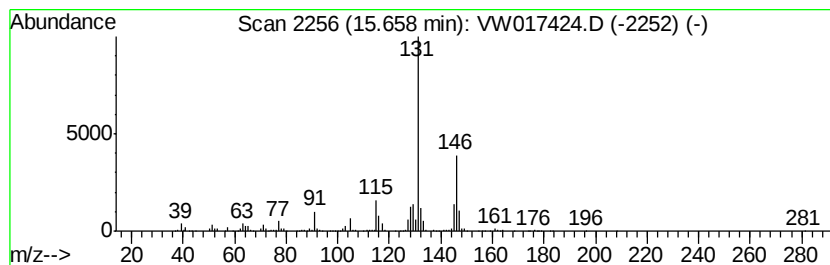
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Quant Title : VOC Analysis

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

Peak Number 35 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	40.49 ug/L	565357	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

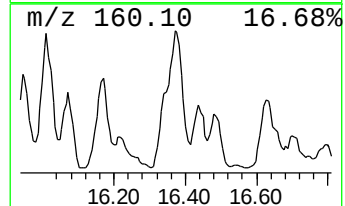
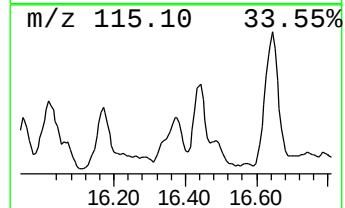
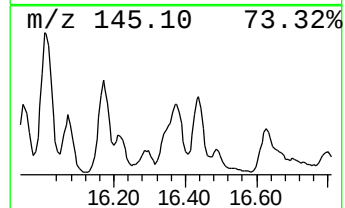
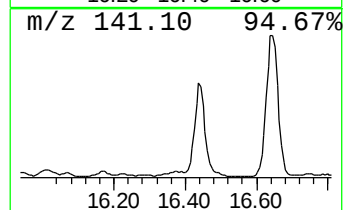
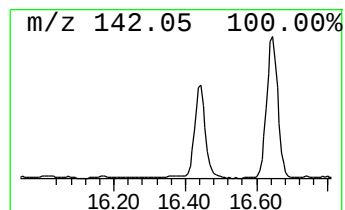
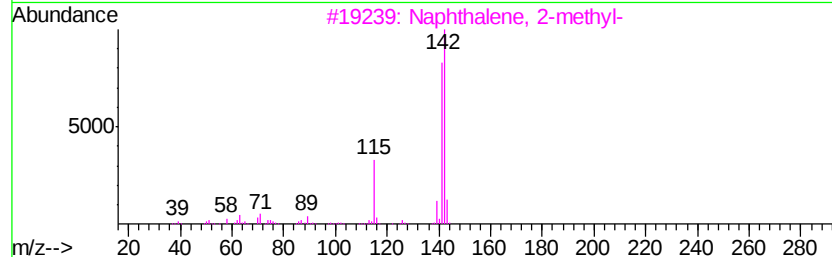
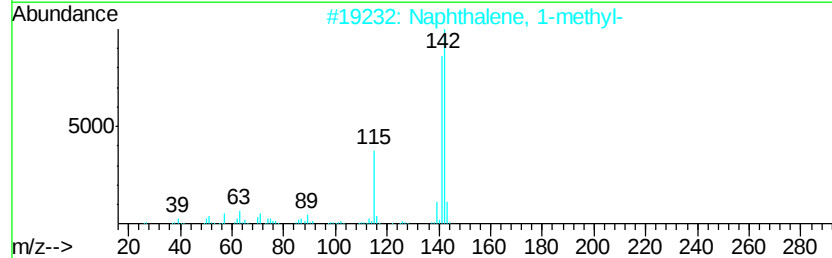
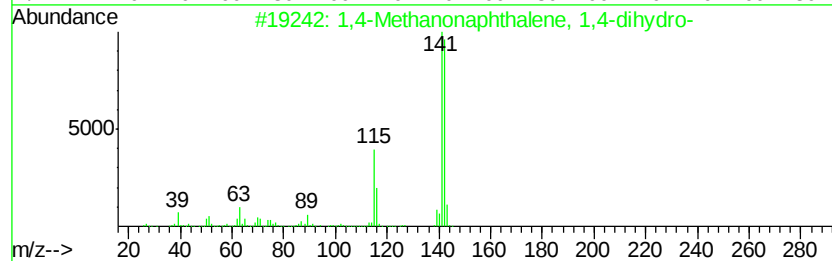
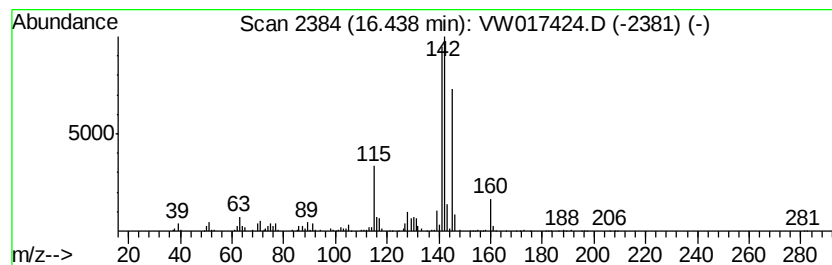
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Quant Title : VOC Analysis

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

Peak Number 36 1,4-Methanonaphthalene, 1,4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	24.88 ug/L	347358	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	83
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	83
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	83
4		Benzocycloheptatriene	142	C11H10	000264-09-5	64
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
Data File : VW017424.D
Acq On : 20 Nov 2020 17:56
Operator : SY/VA
Sample : L4853-03
Misc : 4.37G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD2

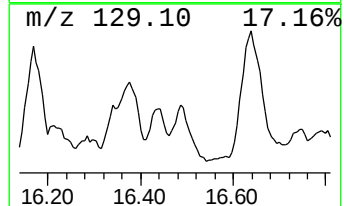
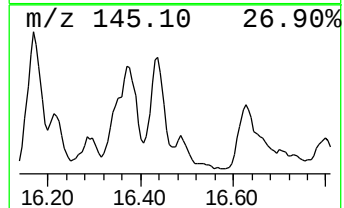
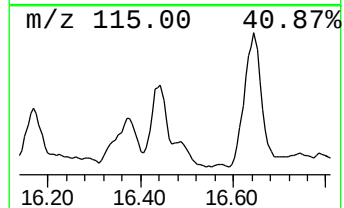
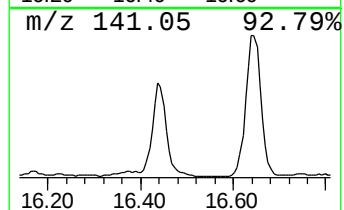
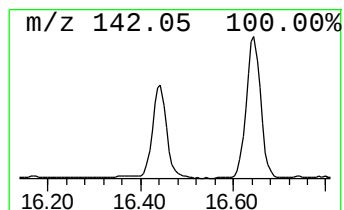
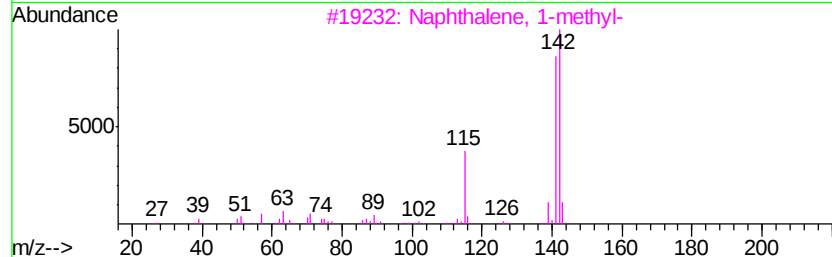
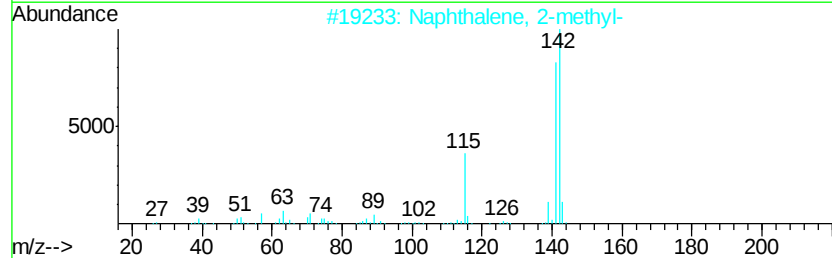
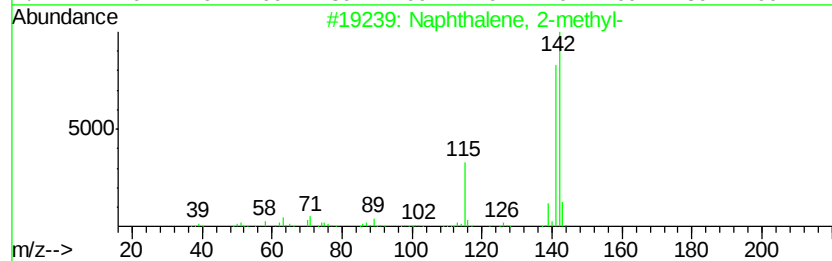
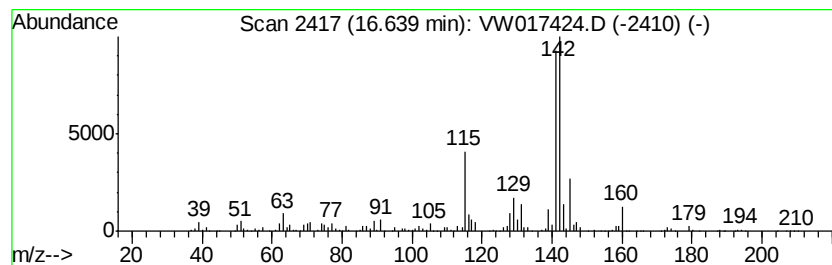
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Quant Title : VOC Analysis

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

Peak Number 37 Naphthalene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	96.59 ug/L	1348610	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
3			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	89
5			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112020\
 Data File : VW017424.D
 Acq On : 20 Nov 2020 17:56
 Operator : SY/VA
 Sample : L4853-03
 Misc : 4.37G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclooctene, 3-me...	12.34	1.3	ug/L	33363	2	11.63	649978	25.0
(DEL) Alkane: Str...	12.78	10.3	ug/L	143252	3	13.56	349062	25.0
unknown-01	12.87	4.3	ug/L	60526	3	13.56	349062	25.0
Benzene, 1,2,3-tr...	12.94	16.5	ug/L	230994	3	13.56	349062	25.0
Benzene, 1-ethyl-...	13.10	9.3	ug/L	129797	3	13.56	349062	25.0
(DEL) Alkane: Str...	13.17	2.3	ug/L	31587	3	13.56	349062	25.0
Benzene, 1,2,4-tr...	13.26	6.9	ug/L	96966	3	13.56	349062	25.0
unknown-02	13.38	3.1	ug/L	43895	3	13.56	349062	25.0
p-Cymene	13.44	5.8	ug/L	80851	3	13.56	349062	25.0
1-Ethyl-2,2,6-tri...	13.70	5.8	ug/L	81470	3	13.56	349062	25.0
Benzene, cyclopro...	13.76	11.4	ug/L	159484	3	13.56	349062	25.0
Benzene, 2-ethyl-...	13.79	20.0	ug/L	279367	3	13.56	349062	25.0
Benzene, 1-methyl...	13.95	6.4	ug/L	89230	3	13.56	349062	25.0
o-Cymene	14.01	16.8	ug/L	234439	3	13.56	349062	25.0
Benzene, 4-ethyl-...	14.10	24.8	ug/L	346622	3	13.56	349062	25.0
3-Phenylbut-1-ene	14.21	25.2	ug/L	351858	3	13.56	349062	25.0
unknown-03	14.33	12.6	ug/L	176167	3	13.56	349062	25.0
trans-Decalin, 2-...	14.38	18.6	ug/L	259366	3	13.56	349062	25.0
Benzene, 1,2,3,5-...	14.42	25.6	ug/L	356911	3	13.56	349062	25.0
Benzene, 1-ethyl-...	14.46	31.8	ug/L	443624	3	13.56	349062	25.0
Benzene, 1,3-diet...	14.50	14.0	ug/L	196044	3	13.56	349062	25.0
unknown-04	14.54	35.4	ug/L	494121	3	13.56	349062	25.0
Benzene, 1-methyl...	14.69	11.8	ug/L	165359	3	13.56	349062	25.0
Benzene, 1-methyl...	14.73	18.8	ug/L	262424	3	13.56	349062	25.0
Benzene, 1,2,4,5-...	14.79	114.4	ug/L	1597230	3	13.56	349062	25.0
Benzene, 1-ethyl-...	15.07	71.0	ug/L	992041	3	13.56	349062	25.0
Benzene, (2-methy...	15.18	95.8	ug/L	1337120	3	13.56	349062	25.0
1H-Indene, 2,3-di...	15.66	40.5	ug/L	565357	3	13.56	349062	25.0
1,4-Methanonaphth...	16.44	24.9	ug/L	347358	3	13.56	349062	25.0
Naphthalene, 2-me...	16.64	96.6	ug/L	1348610	3	13.56	349062	25.0