

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
 Data File : VW017481.D
 Acq On : 24 Nov 2020 18:42
 Operator : SY/VA
 Sample : L4853-02RE
 Misc : 4.83G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1RE

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\SOM2WLM112420S.M
 Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.355	68	74	85	rVB	138685	263159	9.43%	0.845%
2	2.891	154	162	174	rBV	110747	246176	8.82%	0.791%
3	3.391	242	244	249	rBV5	659	1298	0.05%	0.004%
4	3.550	264	270	272	rVV3	731	937	0.03%	0.003%
5	3.678	288	291	293	rVB2	683	813	0.03%	0.003%
6	4.025	336	348	361	rBV	236726	724711	25.97%	2.327%
7	4.257	383	386	389	rVB4	792	861	0.03%	0.003%
8	4.385	400	407	409	rBV4	1529	3363	0.12%	0.011%
9	4.464	418	420	424	rVB3	944	926	0.03%	0.003%
10	4.684	452	456	457	rBV3	484	610	0.02%	0.002%
11	4.781	469	472	476	rBV2	616	780	0.03%	0.003%
12	4.922	482	495	508	rBV3	14588	51023	1.83%	0.164%
13	5.440	577	580	585	rVB3	888	1195	0.04%	0.004%
14	5.818	640	642	645	rBV3	613	597	0.02%	0.002%
15	5.940	653	662	673	rVB5	4673	14622	0.52%	0.047%
16	6.921	822	823	826	rBV2	556	603	0.02%	0.002%
17	7.086	841	850	854	rBV	44506	118421	4.24%	0.380%
18	7.336	889	891	895	rVB	972	866	0.03%	0.003%
19	7.397	900	901	905	rVV3	825	846	0.03%	0.003%
20	7.647	931	942	955	rBV	325389	804192	28.82%	2.582%
21	7.775	962	963	966	rVB3	661	686	0.02%	0.002%
22	7.884	977	981	982	rBV3	449	601	0.02%	0.002%
23	7.952	986	992	993	rBV5	2292	3765	0.13%	0.012%
24	8.031	1002	1005	1007	rBV3	536	614	0.02%	0.002%
25	8.067	1007	1011	1013	rVV4	749	926	0.03%	0.003%
26	8.275	1034	1045	1062	rBV2	642674	1887269	67.63%	6.060%
27	8.506	1081	1083	1085	rVB3	1170	916	0.03%	0.003%
28	8.579	1089	1095	1099	rBV5	1241	2456	0.09%	0.008%
29	8.695	1112	1114	1116	rBV3	964	725	0.03%	0.002%
30	8.842	1129	1138	1151	rBV	560882	1145518	41.05%	3.678%
31	8.970	1158	1159	1165	rVB5	788	1066	0.04%	0.003%
32	9.055	1171	1173	1175	rBV2	1221	1092	0.04%	0.004%
33	9.073	1175	1176	1181	rVB3	1132	1374	0.05%	0.004%
34	9.274	1201	1209	1217	rBV	401439	839032	30.07%	2.694%

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Integration Parameters: LSCINT.P

Integrator: RTE
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Title : VOC Analysis

35	9.512	1246	1248	1255	rVB3	978	1828	0.07%	0.006%
36	9.604	1258	1263	1269	rBV6	2256	5199	0.19%	0.017%
37	9.652	1269	1271	1272	rBV	1157	730	0.03%	0.002%
38	9.750	1283	1287	1296	rVB5	4550	8331	0.30%	0.027%
39	9.860	1302	1305	1306	rBV2	669	816	0.03%	0.003%
40	9.884	1306	1309	1310	rBV3	1449	1476	0.05%	0.005%
41	10.037	1325	1334	1347	rBV	223653	413887	14.83%	1.329%
42	10.207	1356	1362	1367	rBV7	2683	6011	0.22%	0.019%
43	10.323	1372	1381	1389	rBV	781960	1422561	50.98%	4.568%
44	10.445	1399	1401	1403	rVB3	1156	1095	0.04%	0.004%
45	10.500	1405	1410	1416	rVB7	5784	13483	0.48%	0.043%
46	10.579	1416	1423	1433	rBV	141778	250880	8.99%	0.806%
47	10.664	1433	1437	1442	rBV4	10655	17270	0.62%	0.055%
48	10.762	1449	1453	1460	rVB5	6274	10504	0.38%	0.034%
49	10.860	1465	1469	1474	rVB6	2400	4181	0.15%	0.013%
50	10.927	1474	1480	1495	rBV	152518	294817	10.56%	0.947%
51	11.067	1499	1503	1507	rVB2	12000	16326	0.59%	0.052%
52	11.110	1507	1510	1513	rBV3	4151	6214	0.22%	0.020%
53	11.231	1525	1530	1535	rVB2	28945	51758	1.85%	0.166%
54	11.286	1536	1539	1542	rVV5	5528	7725	0.28%	0.025%
55	11.329	1543	1546	1552	rVV4	10976	20577	0.74%	0.066%
56	11.378	1552	1554	1558	rVV5	3719	4293	0.15%	0.014%
57	11.439	1558	1564	1571	rVB3	30027	58378	2.09%	0.187%
58	11.634	1588	1596	1605	rBV	621197	1056899	37.87%	3.394%
59	11.762	1614	1617	1622	rVB2	16159	23686	0.85%	0.076%
60	11.829	1623	1628	1630	rVV6	13518	26969	0.97%	0.087%
61	11.878	1632	1636	1647	rVB5	30441	97286	3.49%	0.312%
62	11.975	1648	1652	1658	rBV5	13959	25849	0.93%	0.083%
63	12.036	1660	1662	1665	rVB2	6652	7709	0.28%	0.025%
64	12.140	1671	1679	1687	rBV4	44986	140129	5.02%	0.450%
65	12.304	1702	1706	1707	rBV4	9317	12923	0.46%	0.041%
66	12.359	1707	1715	1723	rVV6	58647	201203	7.21%	0.646%
67	12.615	1752	1757	1762	rVB4	28216	52945	1.90%	0.170%
68	12.695	1763	1770	1779	rBV	279032	516540	18.51%	1.659%
69	12.780	1779	1784	1791	rVB3	145680	262277	9.40%	0.842%
70	12.865	1792	1798	1802	rBV6	40296	93606	3.35%	0.301%
71	12.945	1805	1811	1824	rVB2	195495	451840	16.19%	1.451%

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Integration Parameters: LSCINT.P

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72	13.103	1831	1837	1844	rVB2	125390	262789	9.42%	0.844%
73	13.170	1844	1848	1849	rBV2	28118	36172	1.30%	0.116%
74	13.255	1857	1862	1866	rBV	101633	176051	6.31%	0.565%
75	13.560	1906	1912	1920	rVB2	342235	605329	21.69%	1.944%
76	13.701	1931	1935	1939	rBV3	67281	127432	4.57%	0.409%
77	13.755	1940	1944	1946	rVV2	203602	307223	11.01%	0.987%
78	13.786	1947	1949	1954	rVB	329845	443536	15.89%	1.424%
79	13.859	1955	1961	1969	rVB4	359669	909913	32.61%	2.922%
80	13.950	1972	1976	1980	rBV	125539	182000	6.52%	0.584%
81	14.011	1982	1986	1989	rBV	237085	390273	13.99%	1.253%
82	14.097	1996	2000	2007	rVB	373543	580174	20.79%	1.863%
83	14.158	2007	2010	2013	rBV	72817	109296	3.92%	0.351%
84	14.207	2013	2018	2023	rVV2	431973	724123	25.95%	2.325%
85	14.255	2023	2026	2034	rVB4	110129	250619	8.98%	0.805%
86	14.341	2035	2040	2043	rBV2	167567	282807	10.13%	0.908%
87	14.383	2043	2047	2050	rVV2	206347	335846	12.03%	1.078%
88	14.420	2050	2053	2056	rVV	389581	609160	21.83%	1.956%
89	14.456	2056	2059	2063	rVV	598839	872454	31.26%	2.802%
90	14.499	2063	2066	2069	rVV	208362	292328	10.48%	0.939%
91	14.542	2069	2073	2081	rVB3	351738	704126	25.23%	2.261%
92	14.688	2094	2097	2101	rBV3	150907	232459	8.33%	0.746%
93	14.731	2101	2104	2109	rVB	275105	402078	14.41%	1.291%
94	14.792	2109	2114	2122	rBV2	1184358	2790650	100.00%	8.961%
95	15.066	2153	2159	2163	rBV3	765233	1618431	57.99%	5.197%
96	15.176	2171	2177	2185	rVB2	893015	1976635	70.83%	6.347%
97	15.322	2197	2201	2205	rBV4	217477	412366	14.78%	1.324%
98	15.657	2251	2256	2264	rVB	537238	952055	34.12%	3.057%
99	16.438	2380	2384	2389	rBV2	441247	800705	28.69%	2.571%
100	16.645	2410	2418	2430	rVB3	747863	2043984	73.24%	6.564%

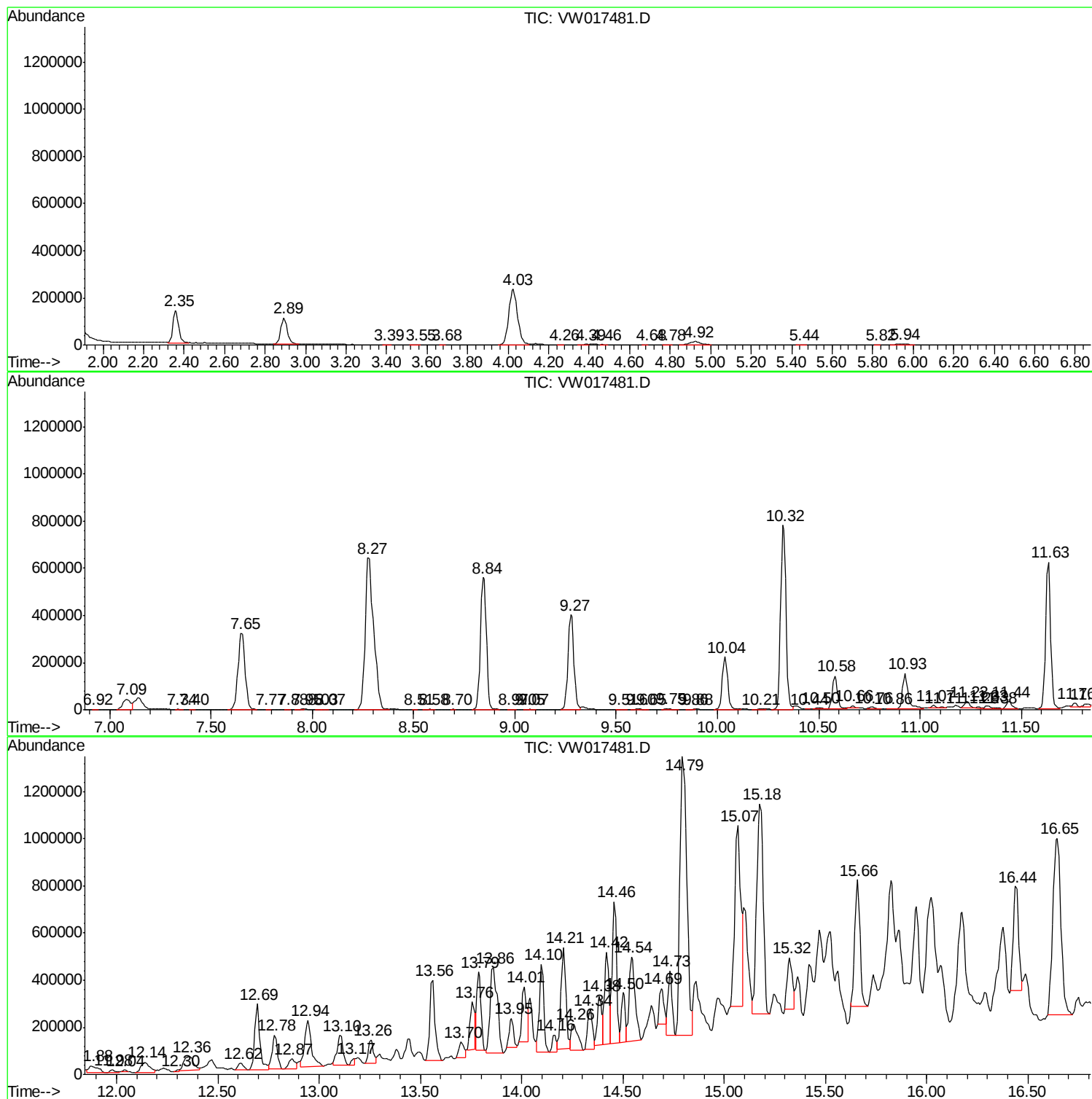
Sum of corrected areas: 31141254

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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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



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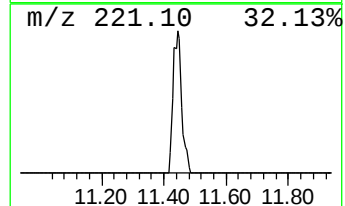
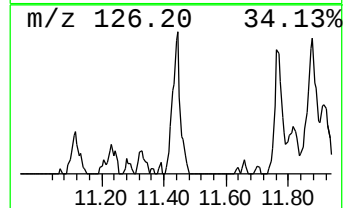
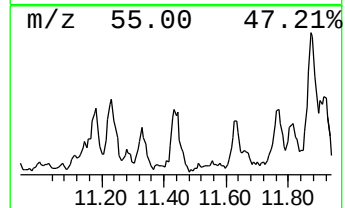
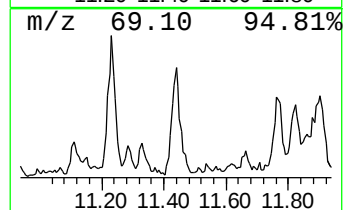
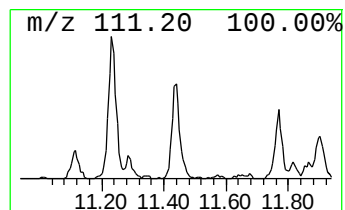
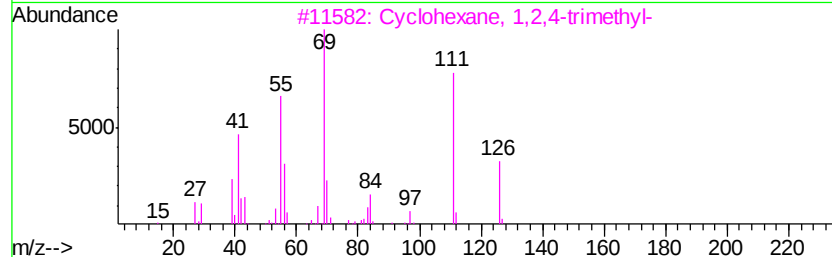
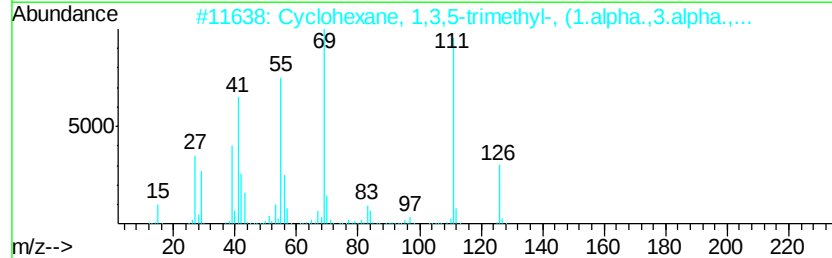
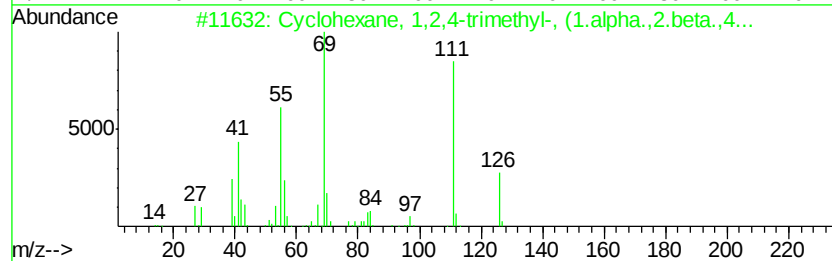
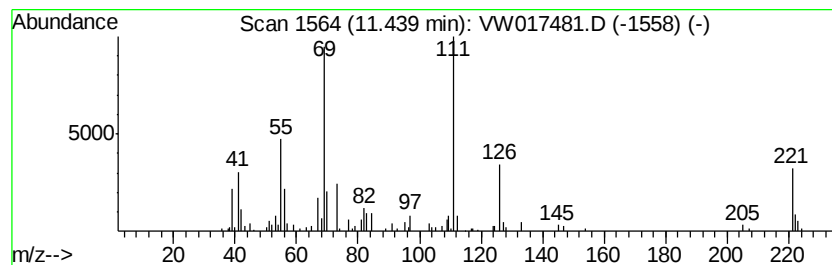
Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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

Peak Number 2 (DEL) Alkane: Cyclic11.44 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	1.38 ug/L	58378	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane,	1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	81
2	Cyclohexane,	1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	76
3	Cyclohexane,	1,2,4-trimethyl-	126	C9H18	002234-75-5	76
4	Cyclohexane,	1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
5	Cyclohexane,	1,2,4-trimethyl-	126	C9H18	002234-75-5	64



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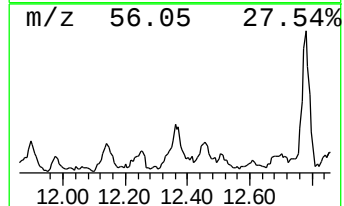
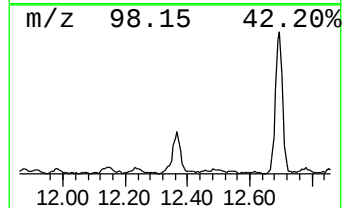
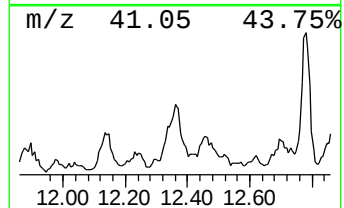
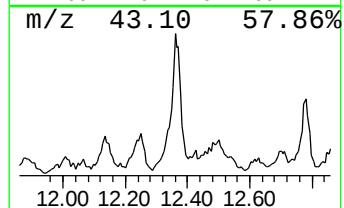
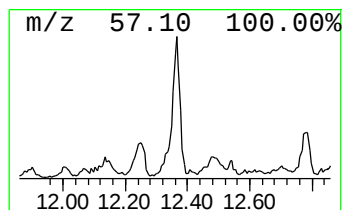
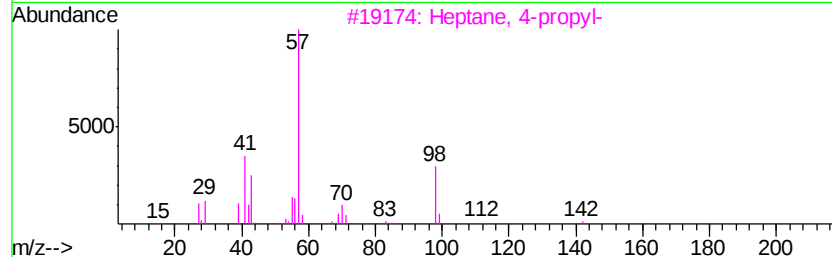
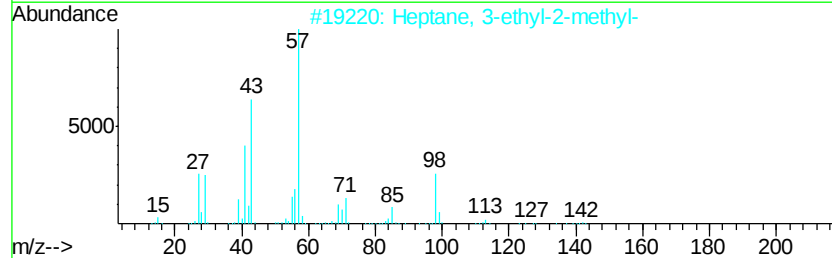
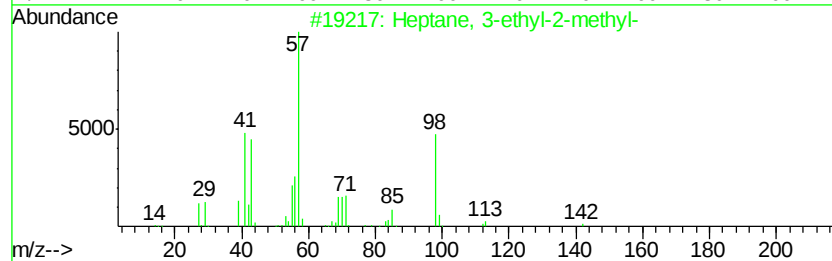
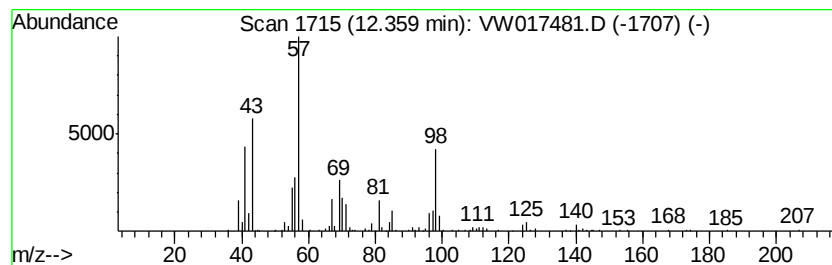
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.76 ug/L	201203	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	76
2		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3		Heptane, 4-propyl-	142	C10H22	003178-29-8	47
4		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	47
5		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	38



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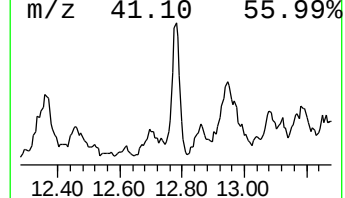
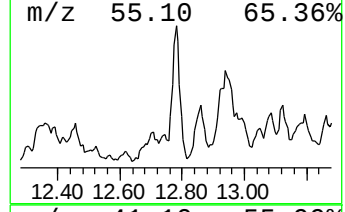
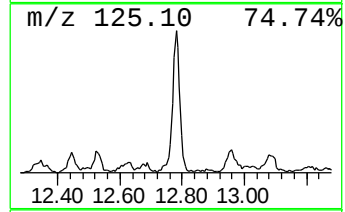
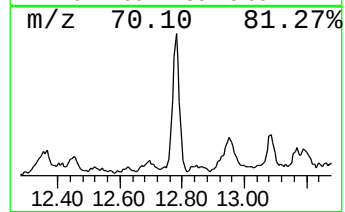
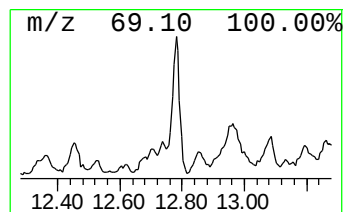
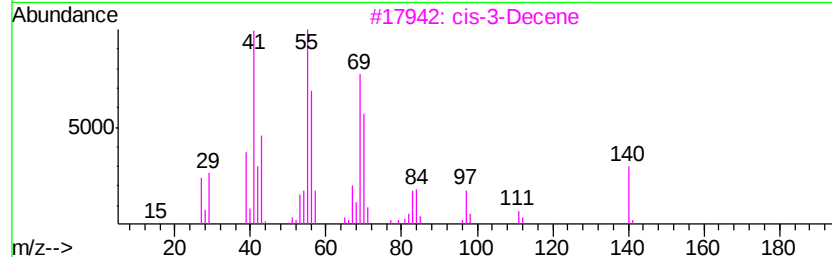
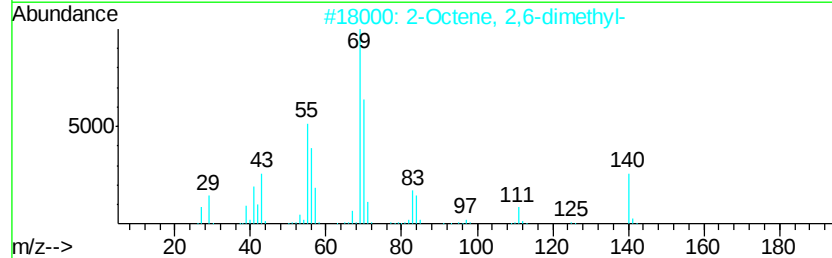
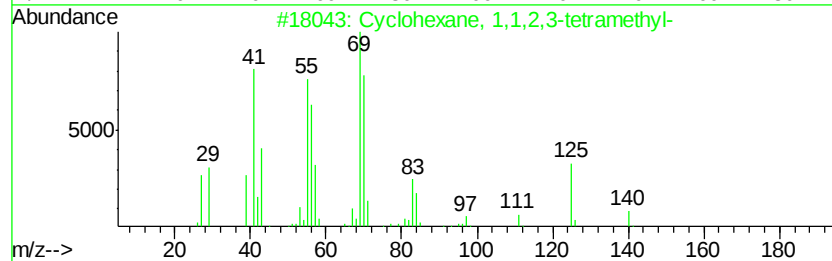
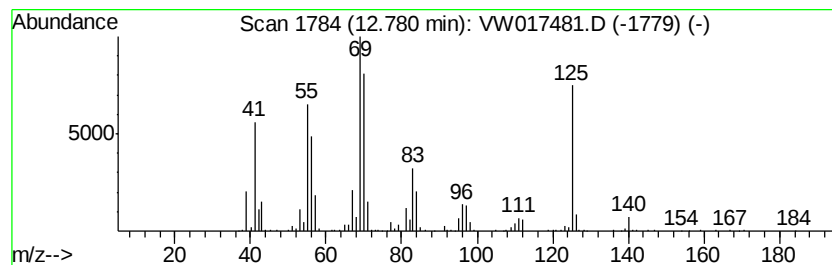
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Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic12.78 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.83 ug/L	262277	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
3		cis-3-Decene	140	C10H20	019398-86-8	53
4		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	53
5		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	41



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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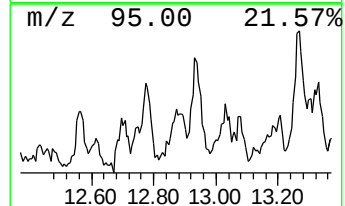
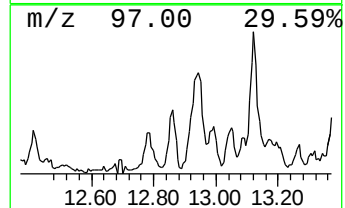
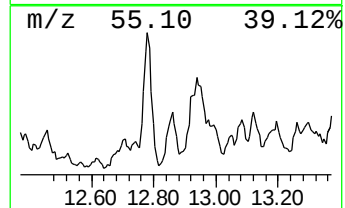
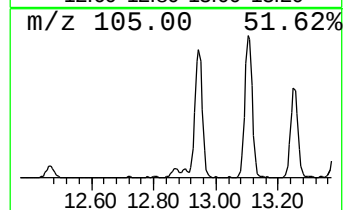
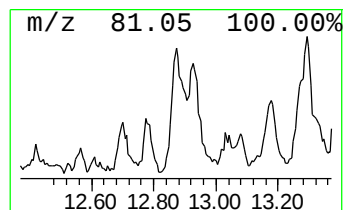
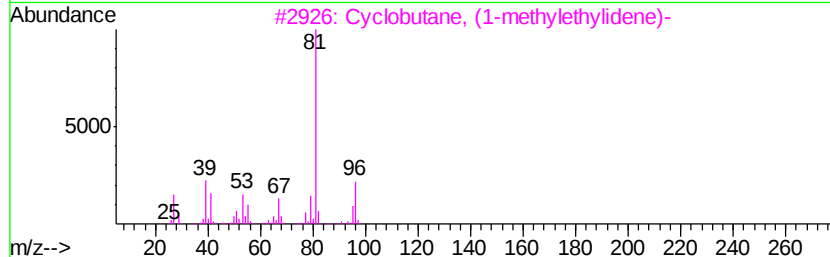
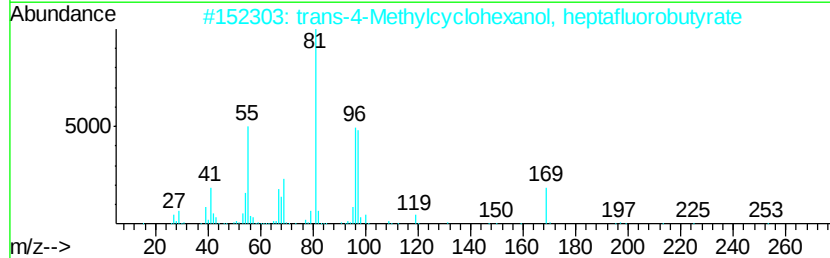
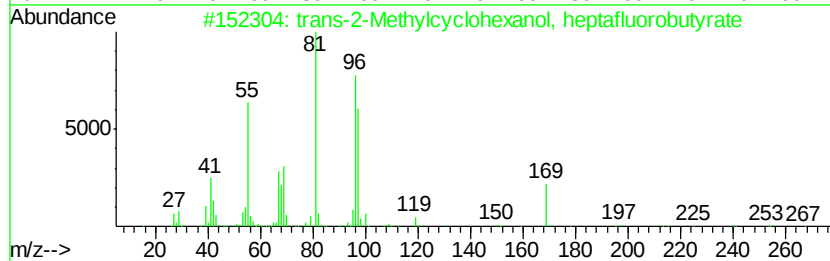
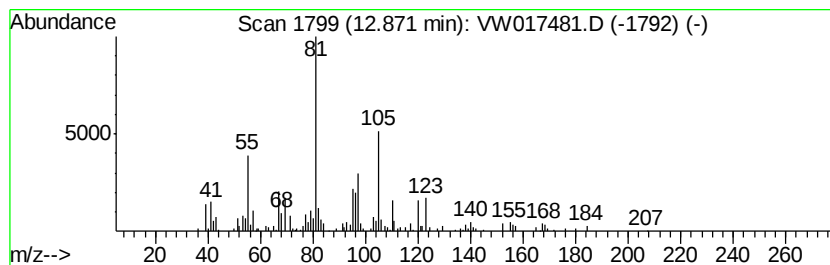
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Quant Title : VOC Analysis

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

Peak Number 6 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.87 ug/L	93606	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-2-Methylcyclohexanol, hept...	310	C11H13F7O2	1000364-13-5	47
2		trans-4-Methylcyclohexanol, hept...	310	C11H13F7O2	1000364-14-0	47
3		Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	46
4		1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	43
5		Furan, 2-ethyl-	96	C6H8O	003208-16-0	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

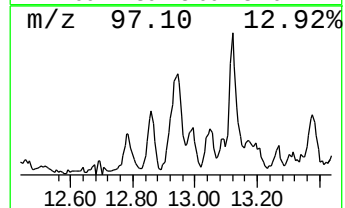
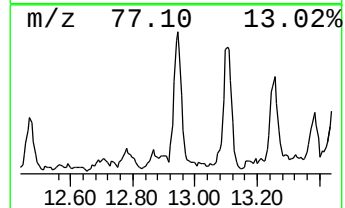
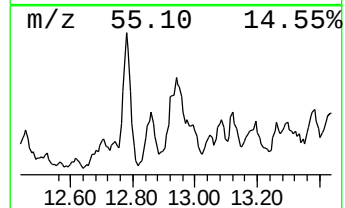
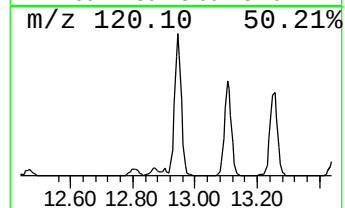
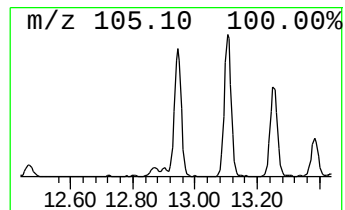
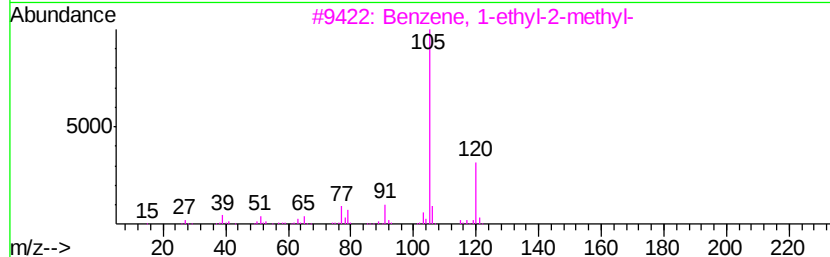
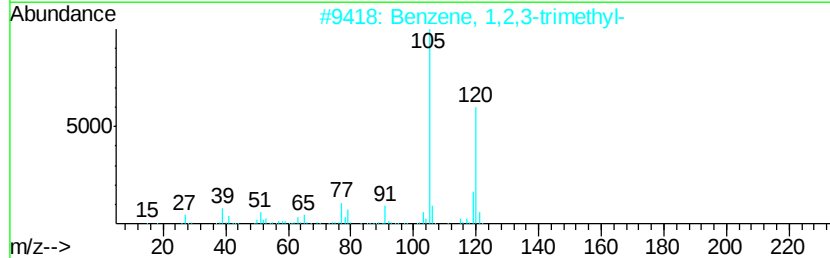
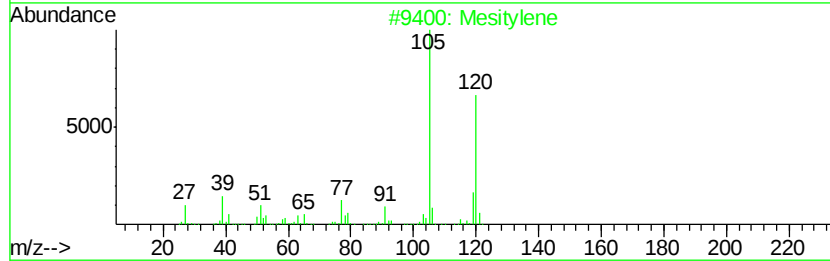
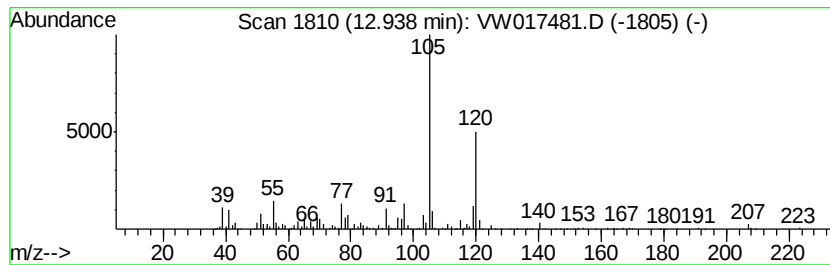
Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

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Quant Title : VOC Analysis

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

Peak Number 7 Mesitylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	18.66 ug/L	451840	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Mesitylene	120 C9H12	000108-67-8	94
2	Benzene, 1,2,3-trimethyl-	120 C9H12	000526-73-8	94
3	Benzene, 1-ethyl-2-methyl-	120 C9H12	000611-14-3	94
4	Benzene, 1,2,4-trimethyl-	120 C9H12	000095-63-6	93
5	Mesitylene	120 C9H12	000108-67-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

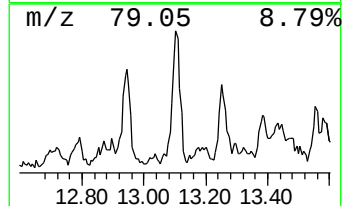
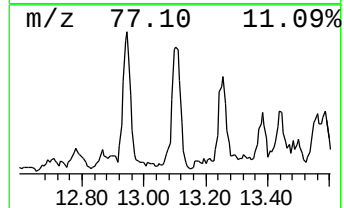
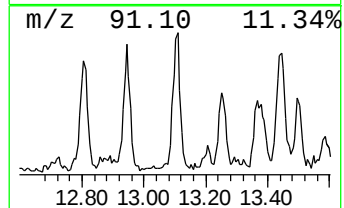
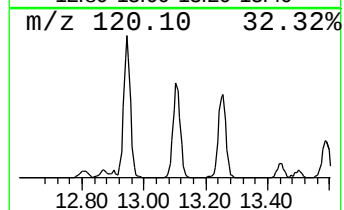
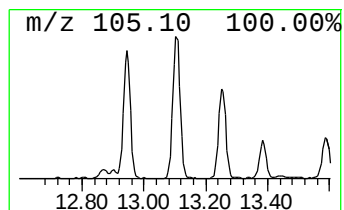
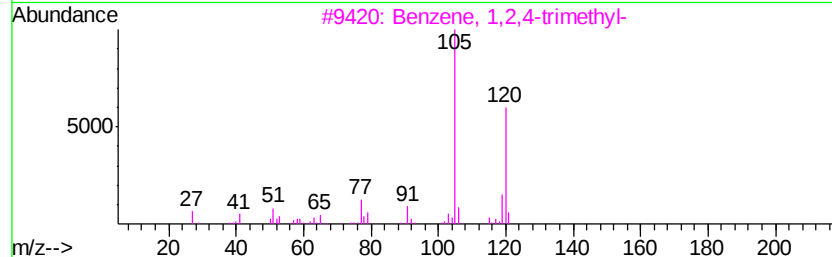
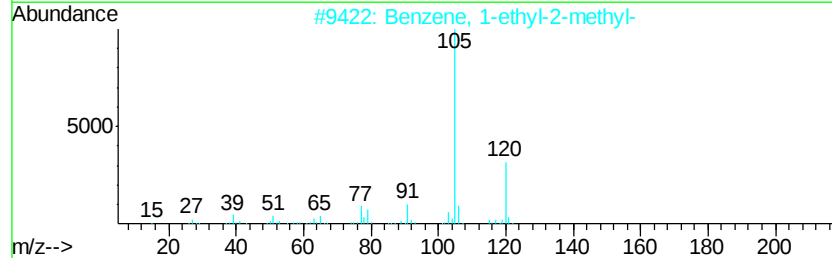
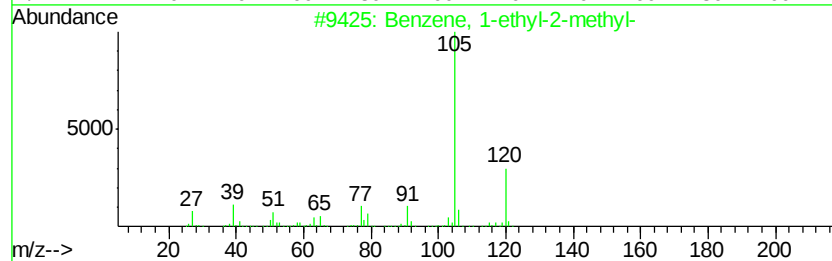
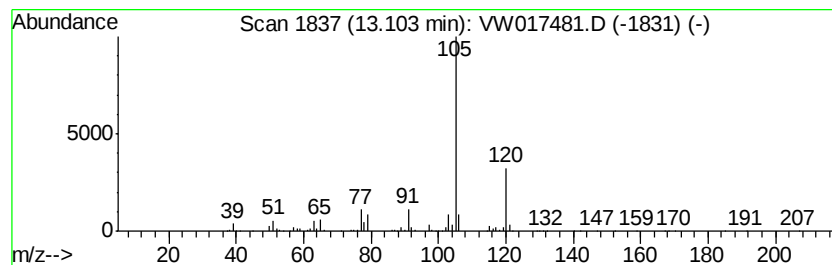
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Quant Title : VOC Analysis

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

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	10.85 ug/L	262789	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4		Mesitylene	120	C9H12	000108-67-8	90
5		Mesitylene	120	C9H12	000108-67-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

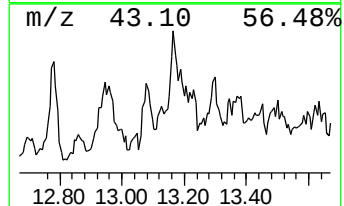
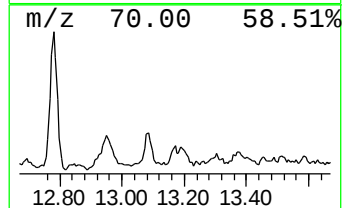
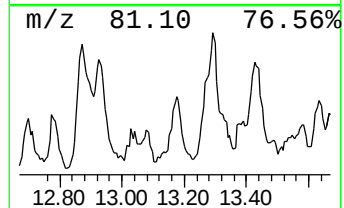
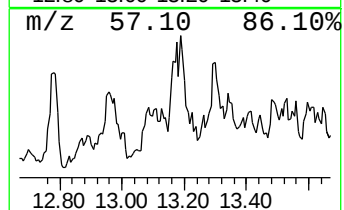
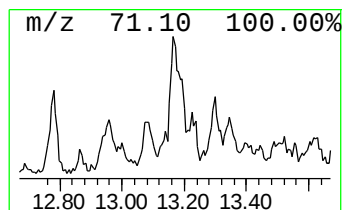
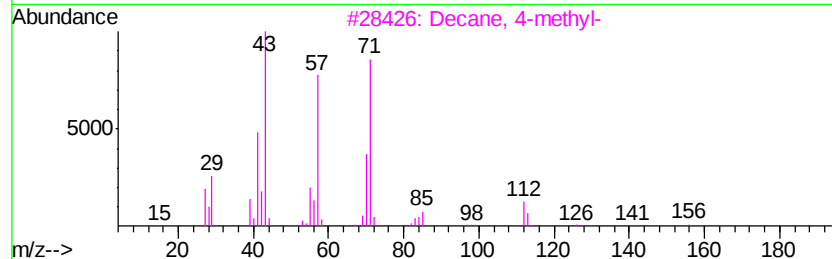
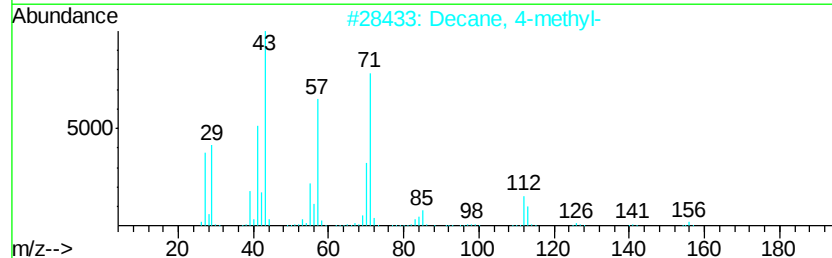
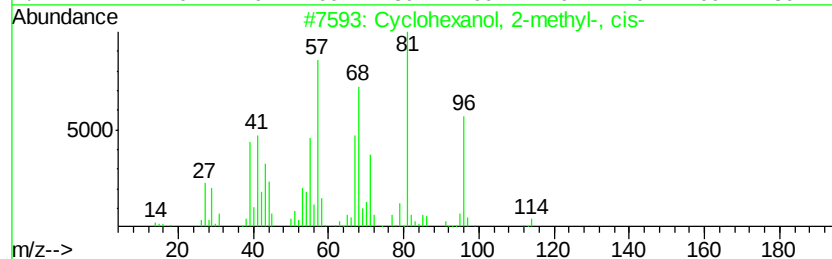
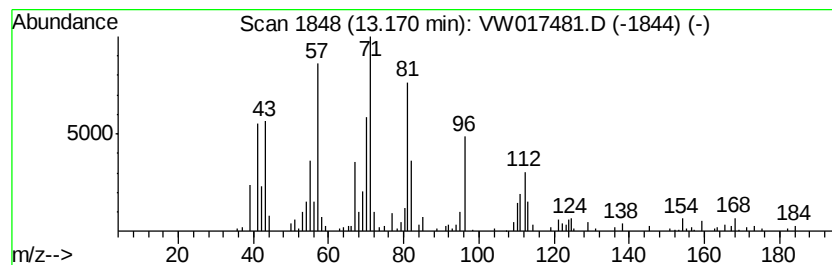
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	1.49 ug/L	36172	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	38
2		Decane, 4-methyl-	156	C11H24	002847-72-5	38
3		Decane, 4-methyl-	156	C11H24	002847-72-5	38
4		Methoxyacetic acid, 2-ethylhexyl...	202	C11H22O3	1000282-41-4	35
5		Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

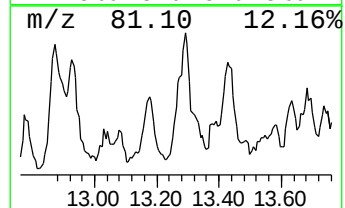
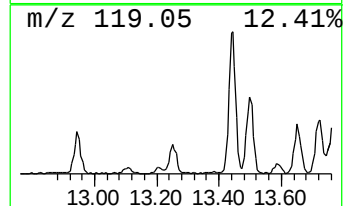
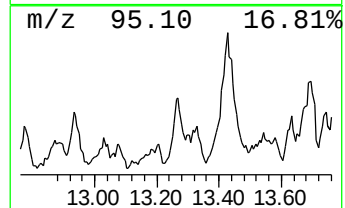
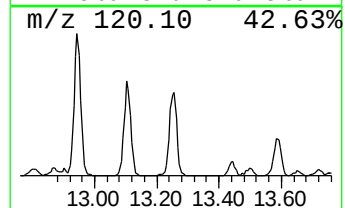
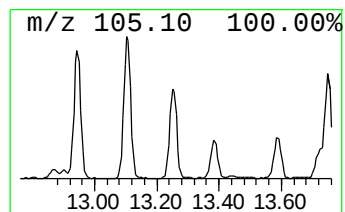
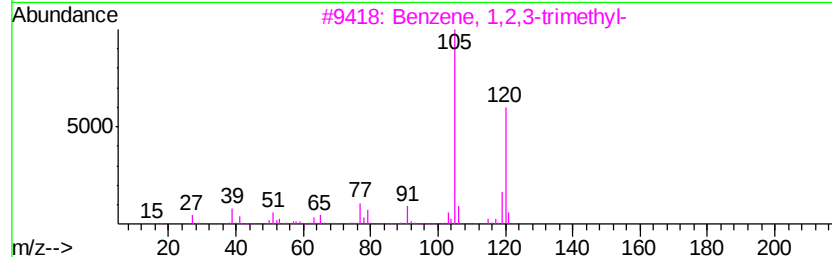
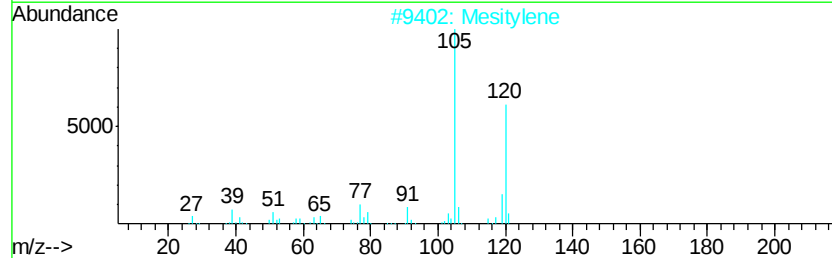
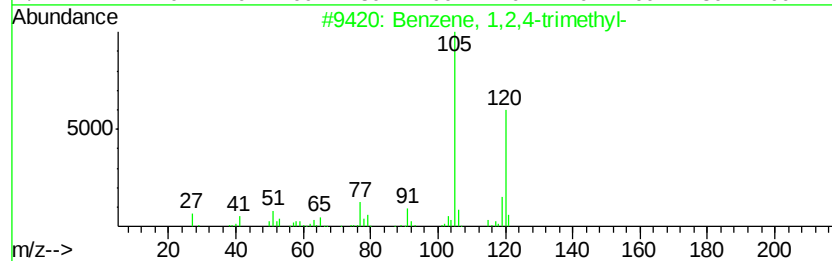
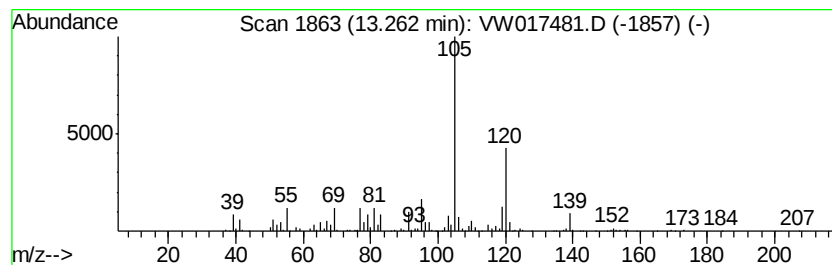
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	7.27 ug/L	176051	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	93
3		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

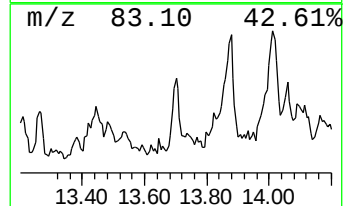
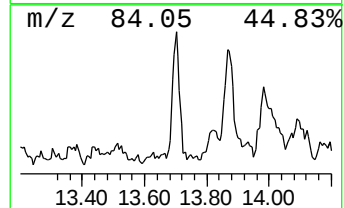
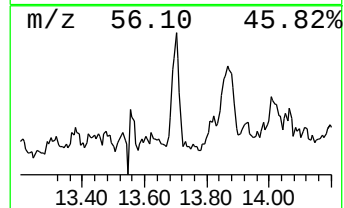
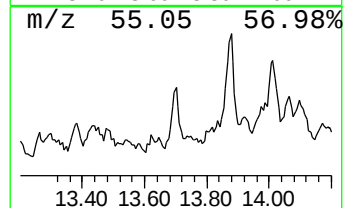
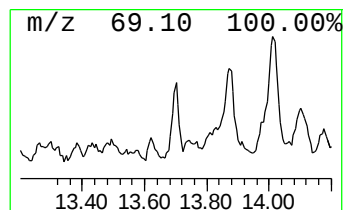
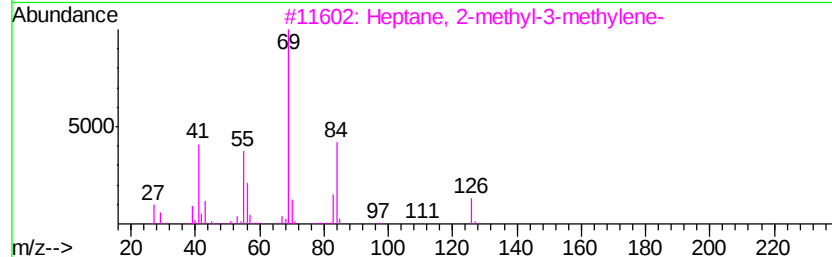
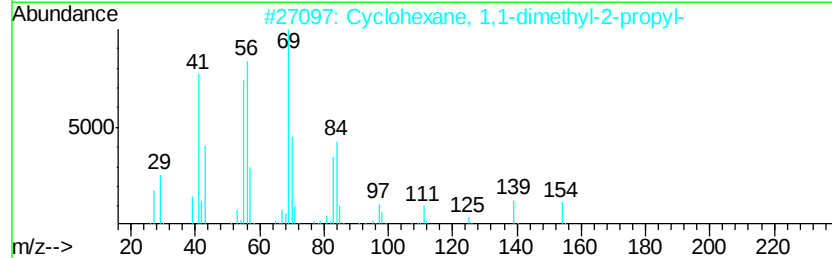
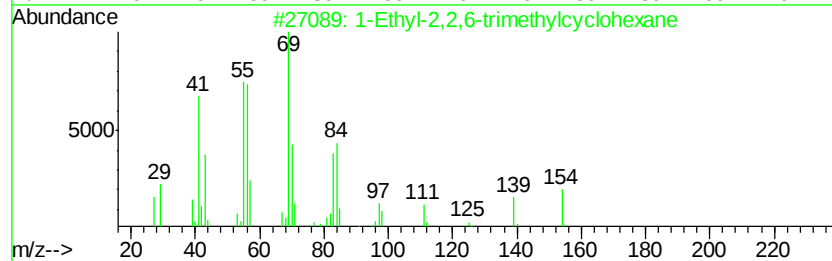
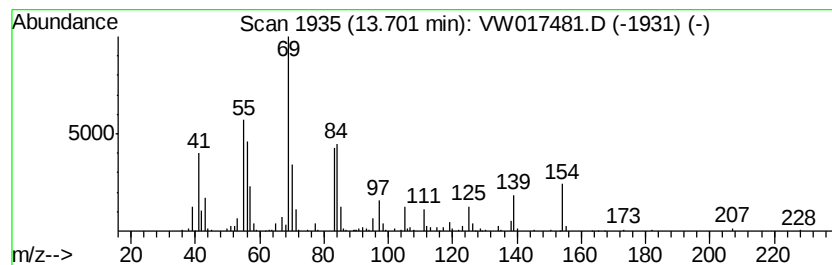
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Quant Title : VOC Analysis

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

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	5.26 ug/L	127432	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	94
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	91
3		Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	43
4		Cyclohexane, 3-ethyl-5-methyl-1-...	168	C12H24	1000151-39-5	43
5		Dichloroacetic acid, 6-ethyl-3-o...	268	C12H22Cl2O2	1000282-56-6	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

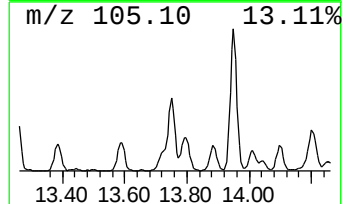
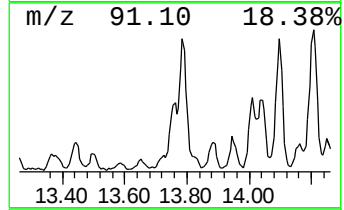
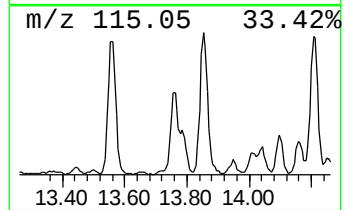
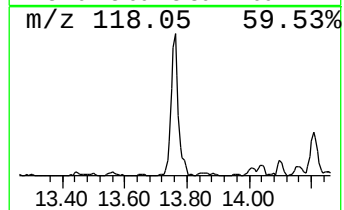
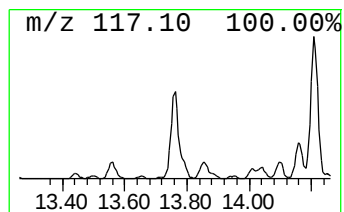
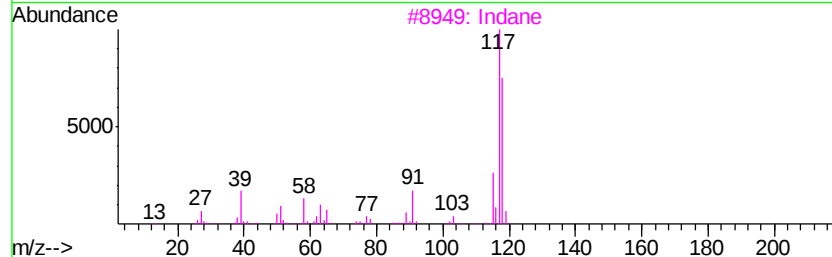
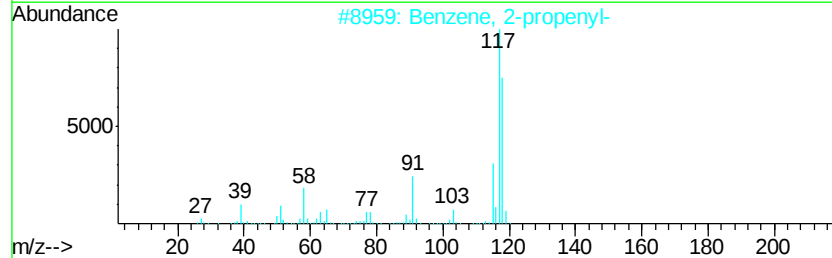
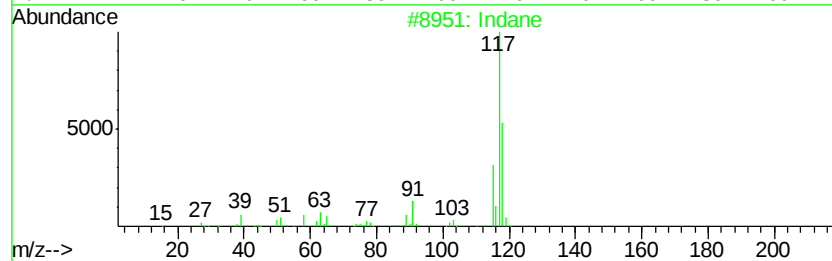
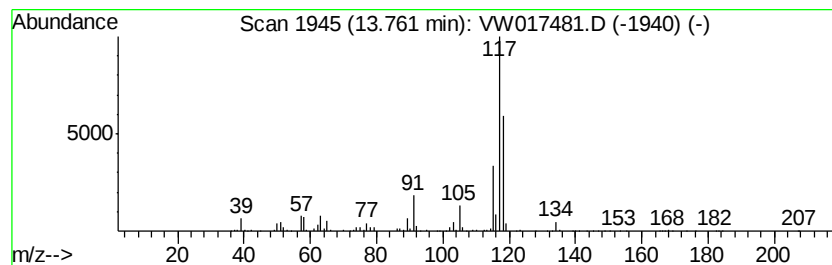
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Quant Title : VOC Analysis

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

Peak Number 12 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	12.69 ug/L	307223	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	76
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3		Indane	118	C9H10	000496-11-7	76
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

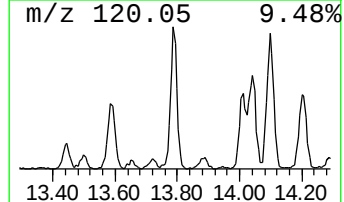
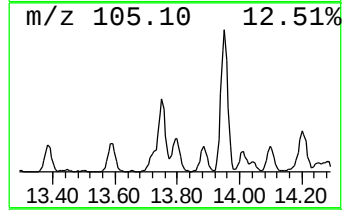
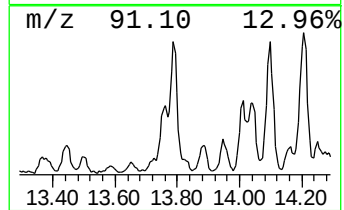
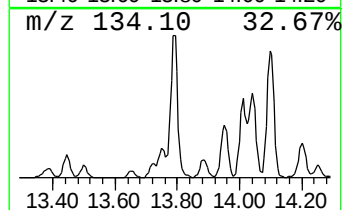
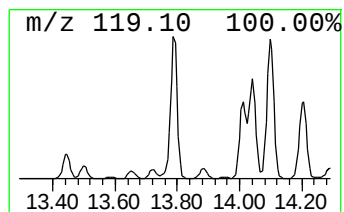
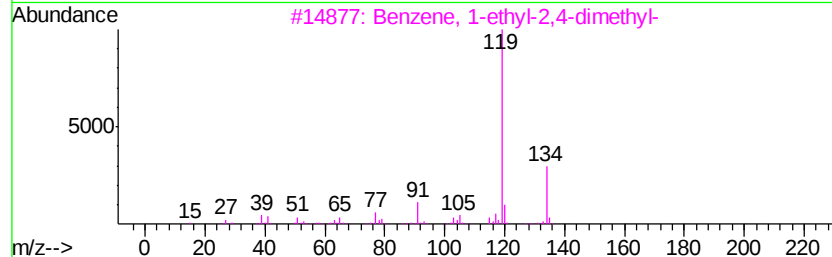
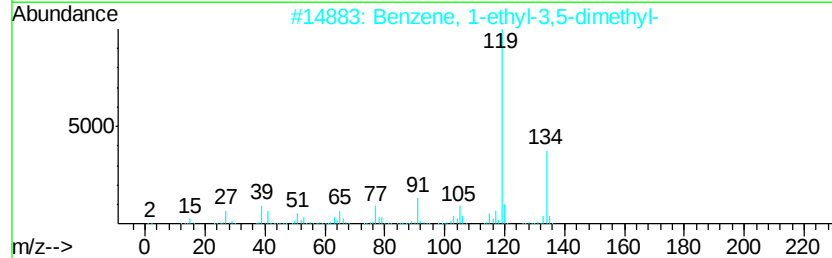
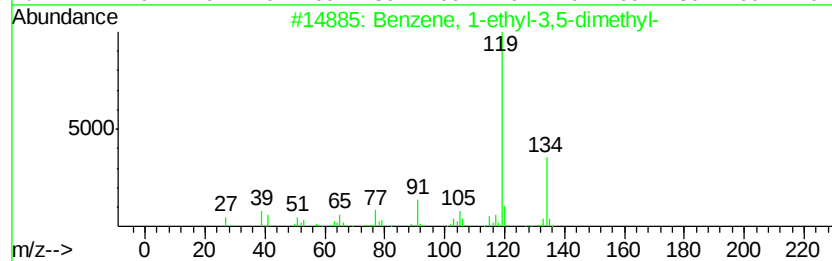
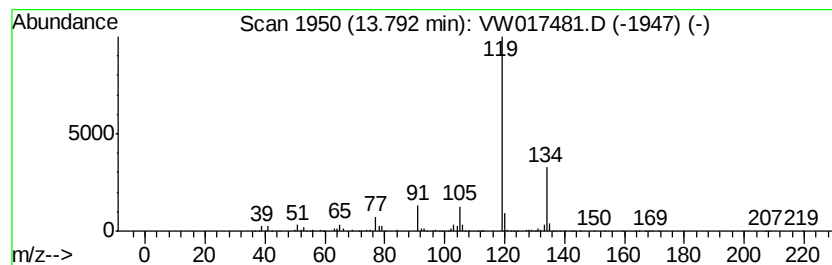
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Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	18.32 ug/L	443536	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	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		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

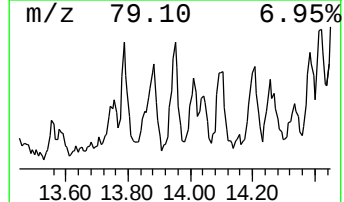
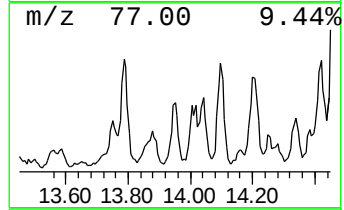
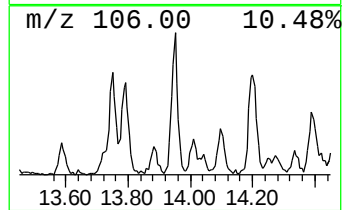
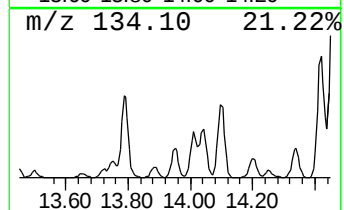
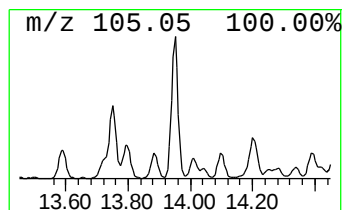
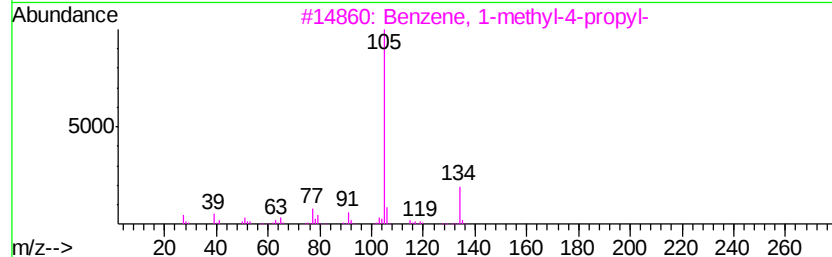
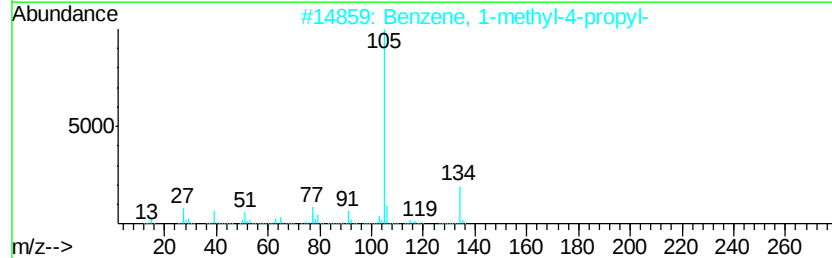
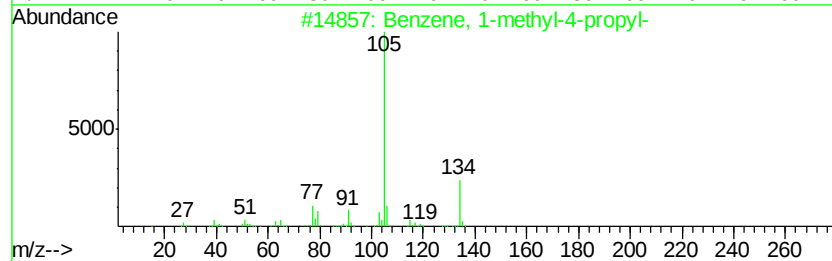
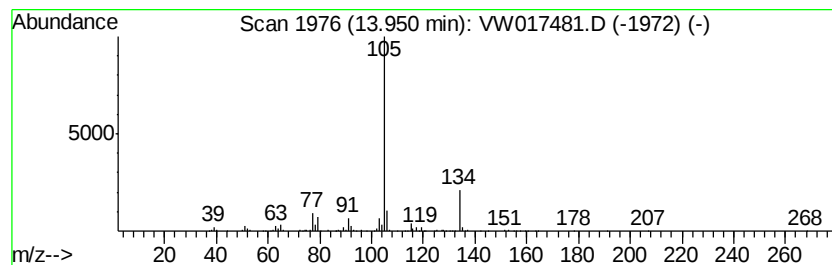
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Quant Title : VOC Analysis

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

Peak Number 14 Benzene, 1-methyl-4-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	7.52 ug/L	182000	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	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-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\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

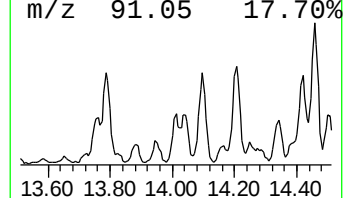
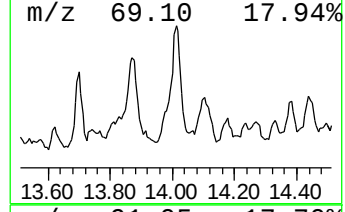
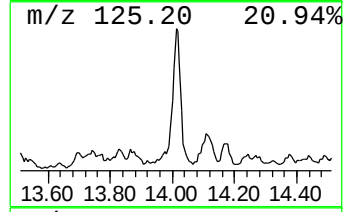
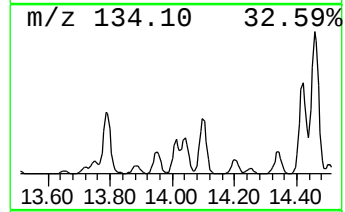
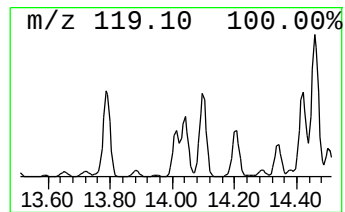
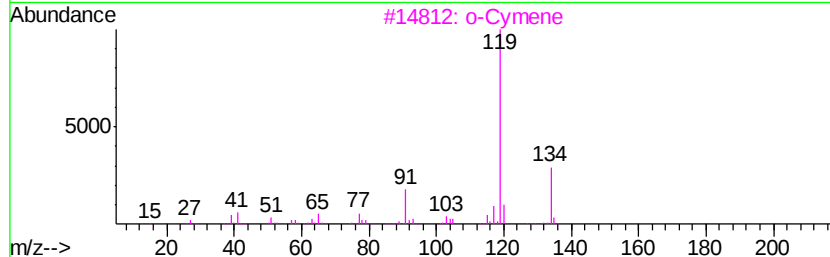
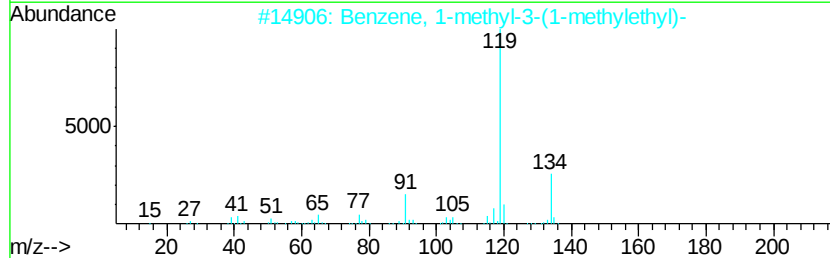
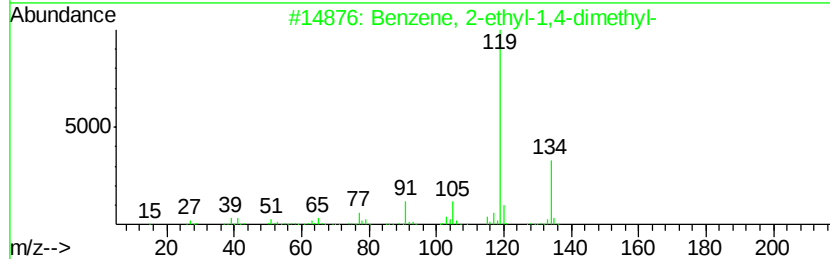
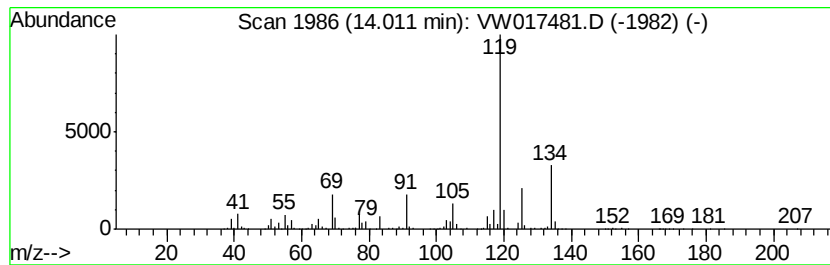
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Quant Title : VOC Analysis

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

Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	16.12 ug/L	390273	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	94
2		Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	93
3		o-Cymene	134	C10H14	000527-84-4	93
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

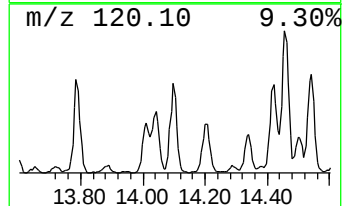
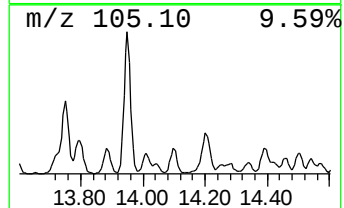
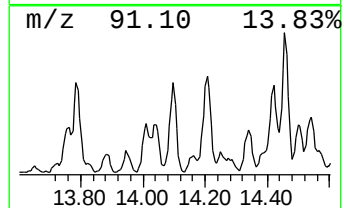
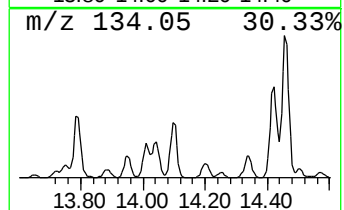
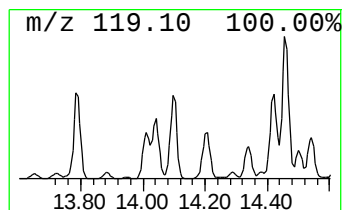
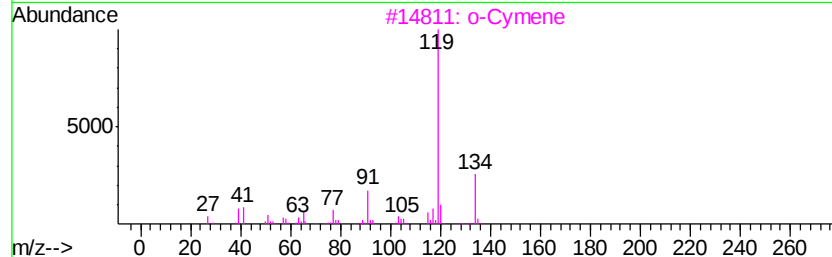
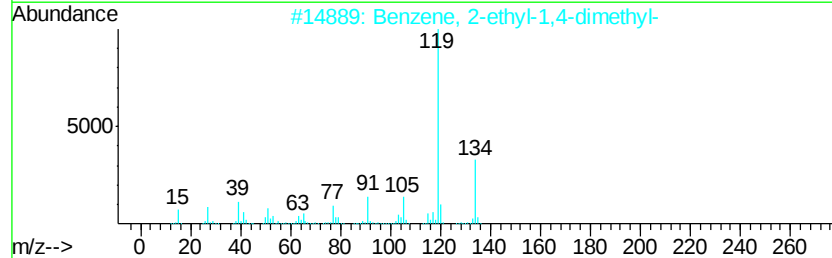
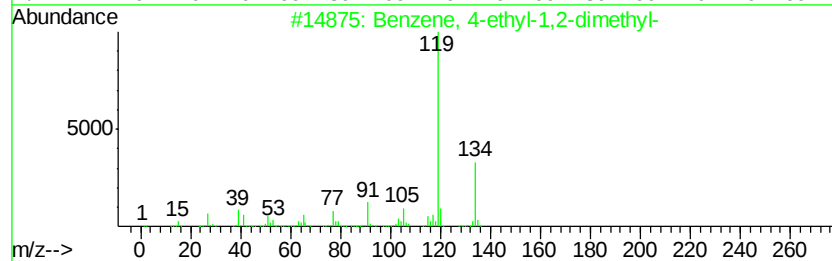
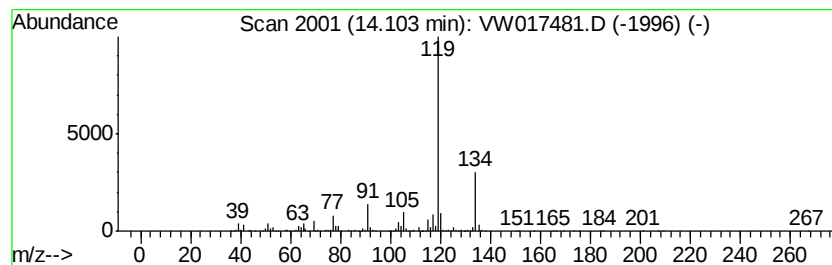
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Quant Title : VOC Analysis

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

Peak Number 16 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	23.96 ug/L	580174	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	95
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

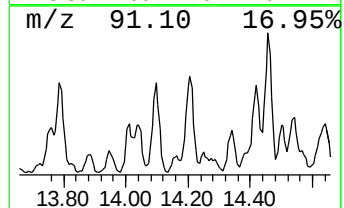
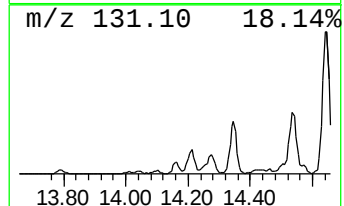
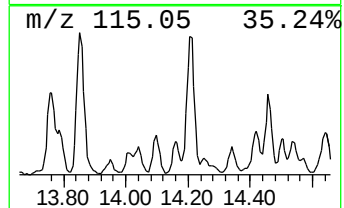
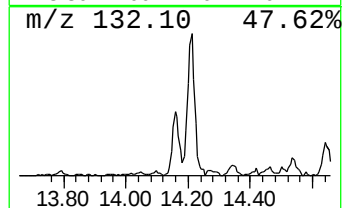
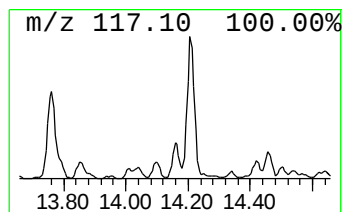
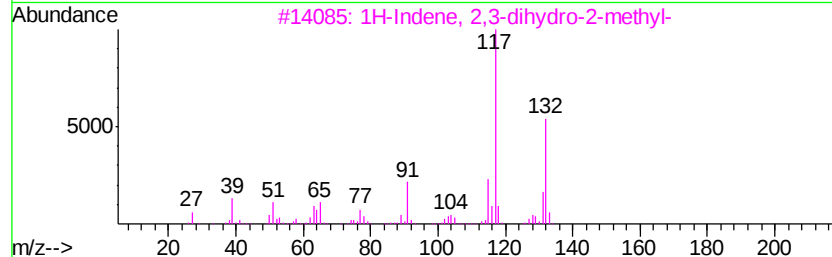
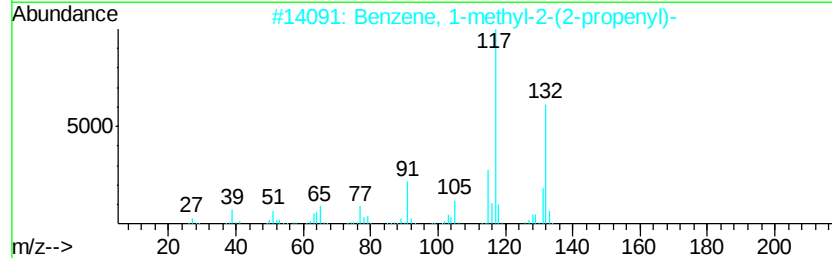
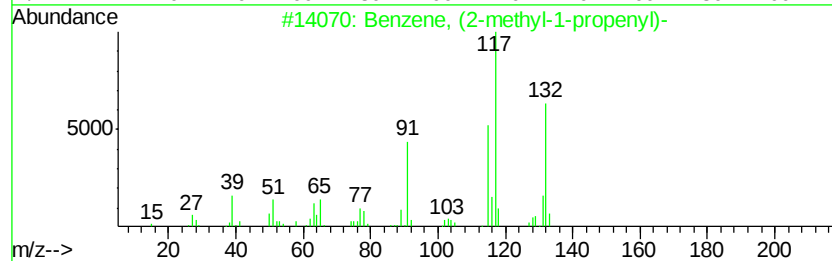
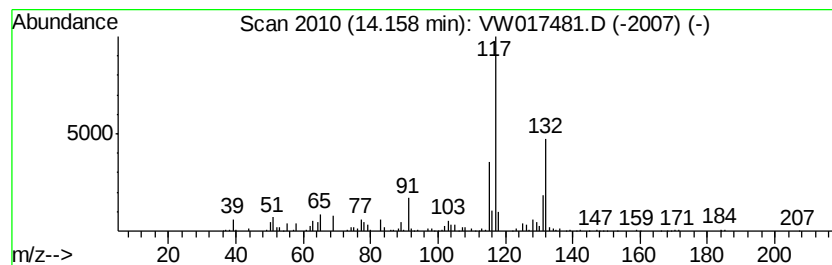
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, (2-methyl-1-propen... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	4.51 ug/L	109296	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
2			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
4			(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
5			1-Phenyl-1-butene	132	C10H12	000824-90-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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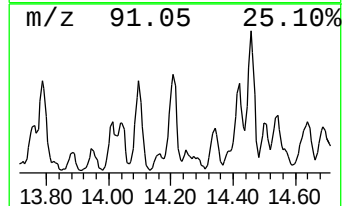
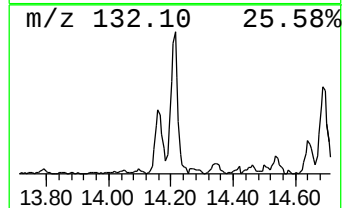
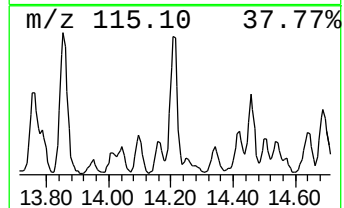
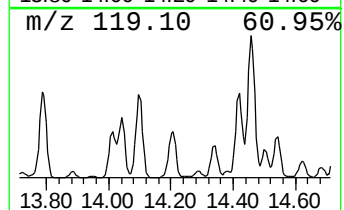
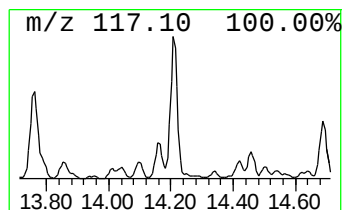
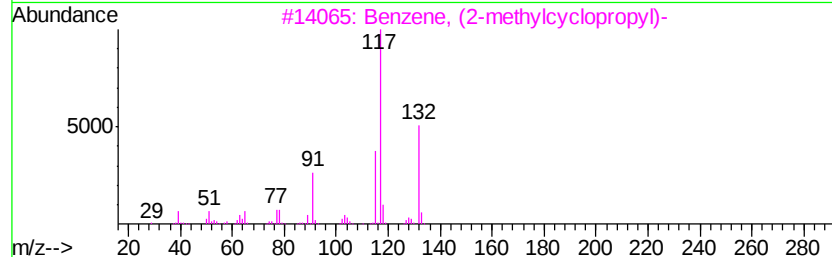
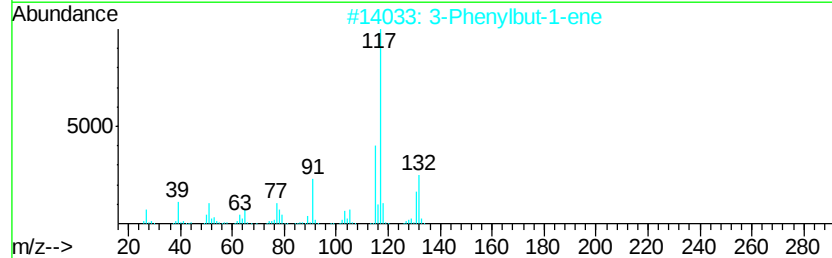
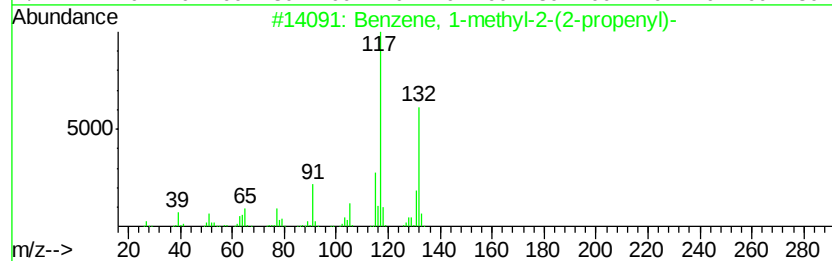
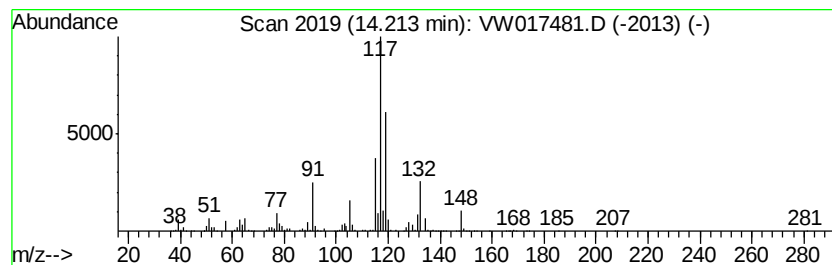
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-methyl-2-(2-prop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	29.91 ug/L	724123	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	55
3		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	50
4		1-Phenyl-1-butene	132	C10H12	000824-90-8	49
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

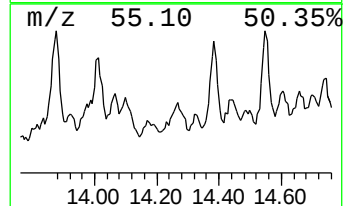
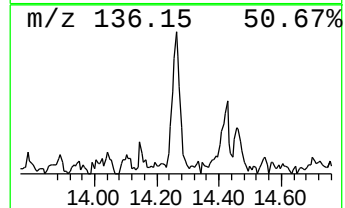
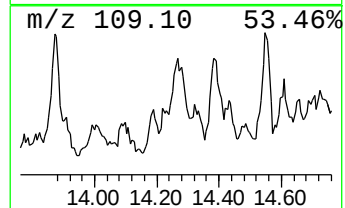
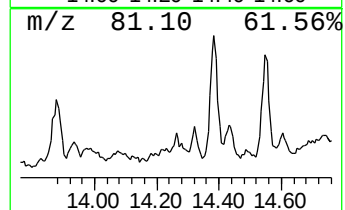
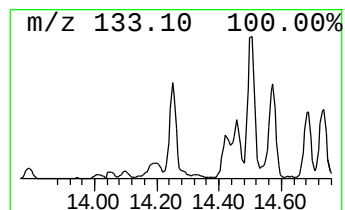
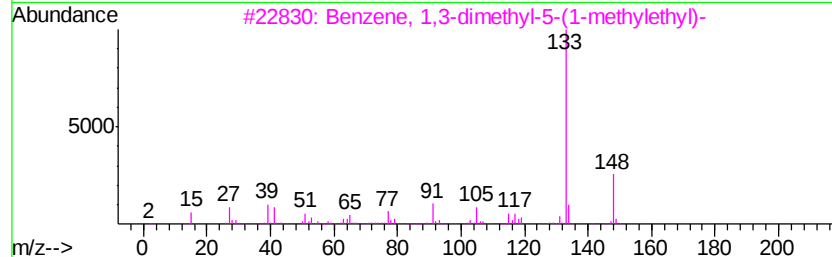
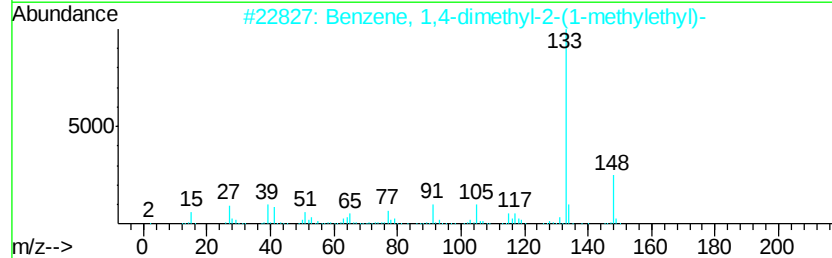
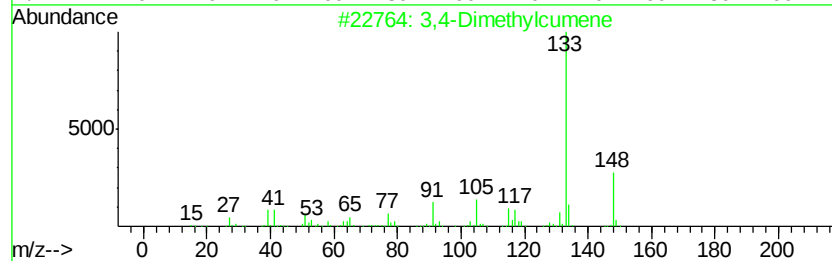
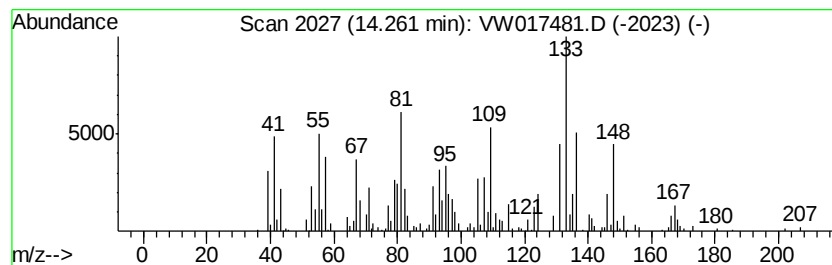
Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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

Peak Number 19 3,4-Dimethylcumene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	10.35 ug/L	250619	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3,4-Dimethylcumene	148 C11H16	1000370-34-1	64
2	Benzene, 1,4-dimethyl-2-(1-methy...	148 C11H16	004132-72-3	64
3	Benzene, 1,3-dimethyl-5-(1-methy...	148 C11H16	004706-90-5	64
4	Benzene, 1,3-dimethyl-5-(1-methy...	148 C11H16	004706-90-5	64
5	Benzene, pentamethyl-	148 C11H16	000700-12-9	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

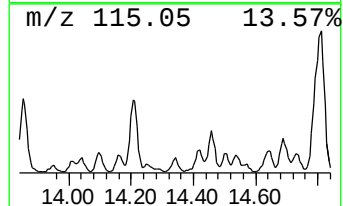
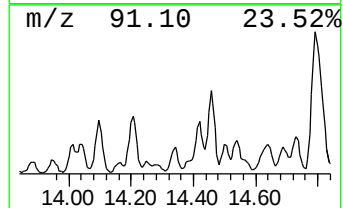
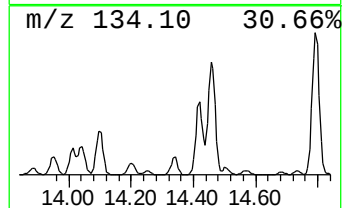
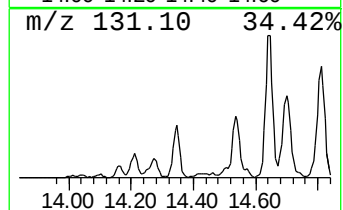
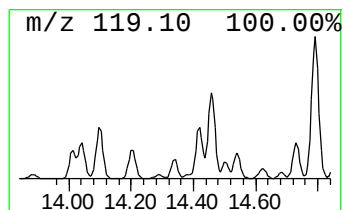
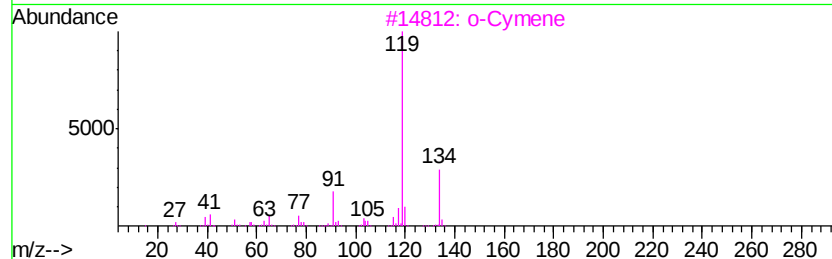
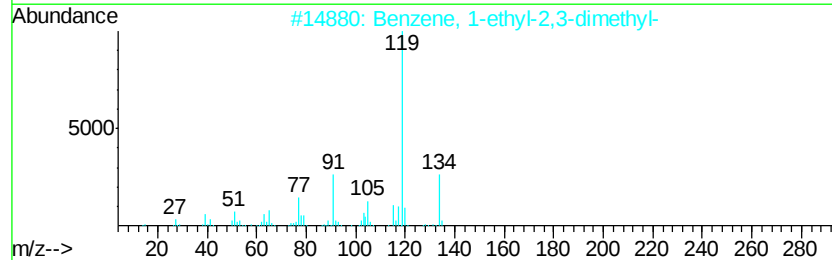
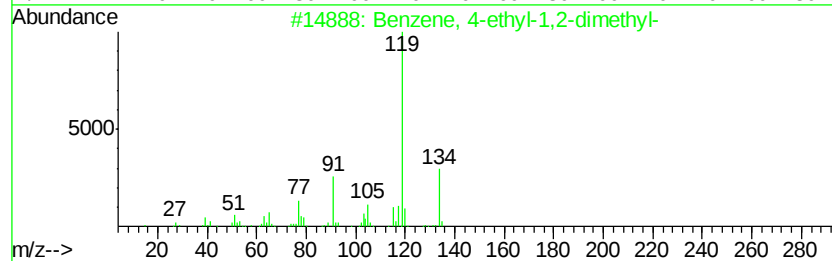
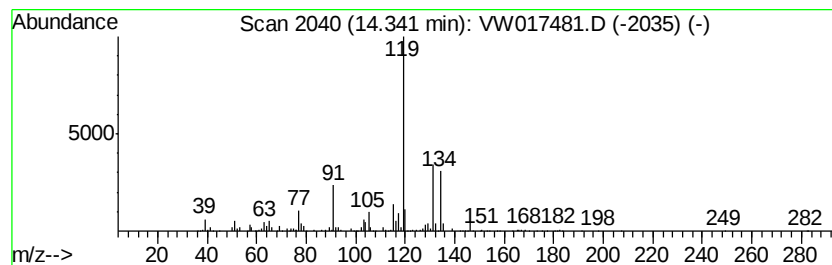
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	11.68 ug/L	282807	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	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3		o-Cymene	134	C10H14	000527-84-4	93
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	89
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	89



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

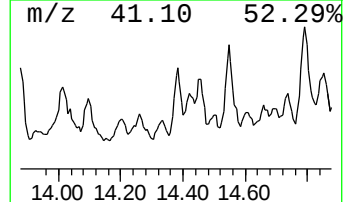
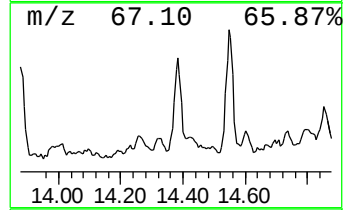
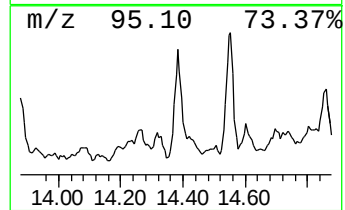
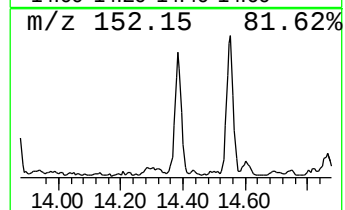
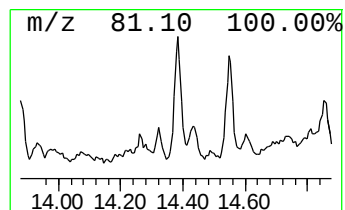
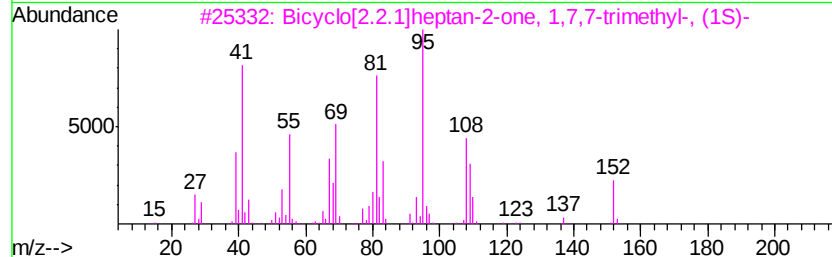
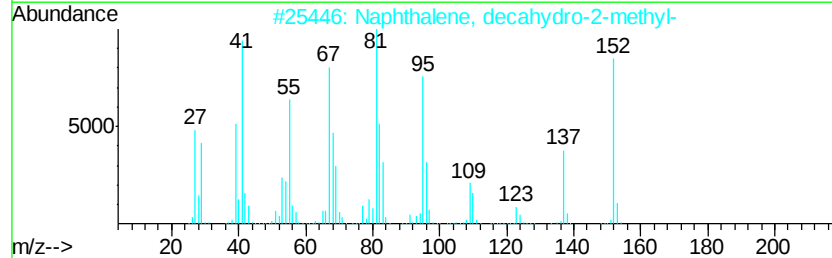
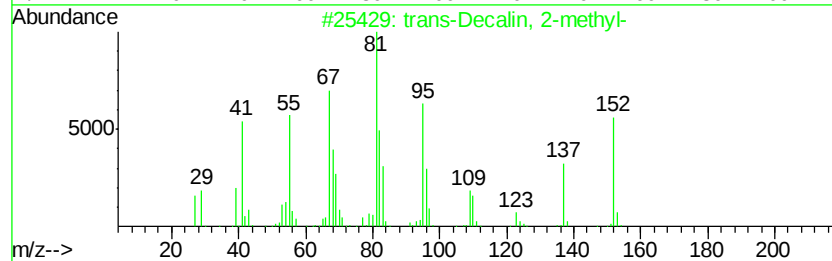
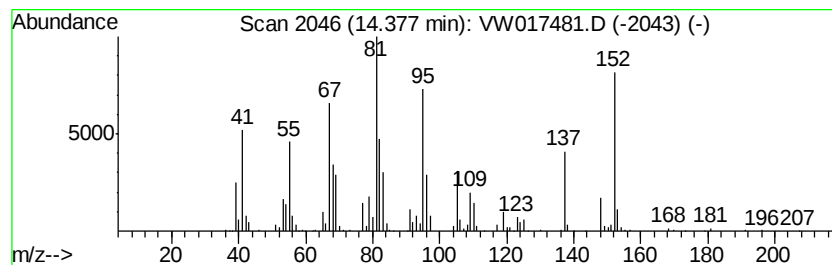
Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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

Peak Number 21 trans-Decalin, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	13.87 ug/L	335846	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	96
2	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	96
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2	89
4	cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6	83
5	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

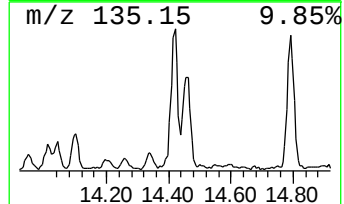
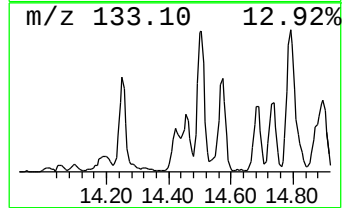
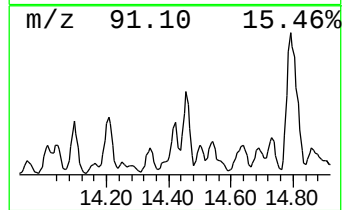
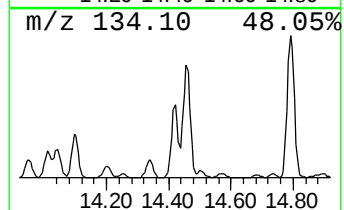
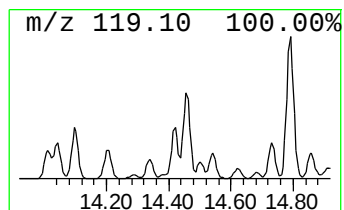
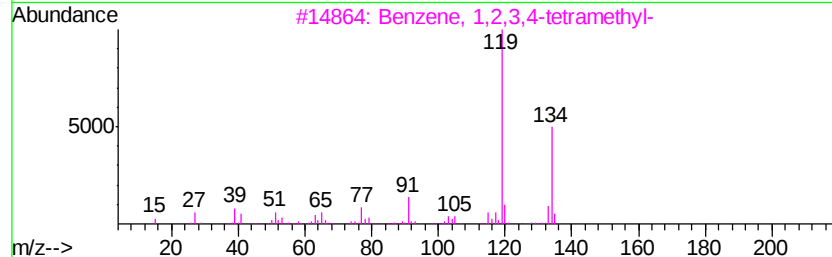
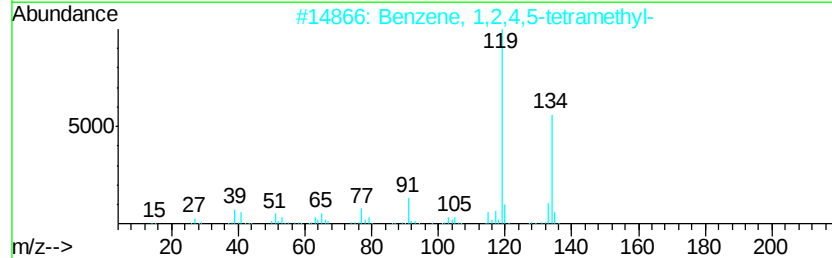
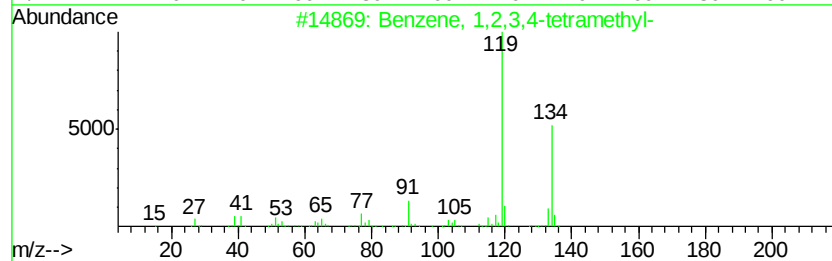
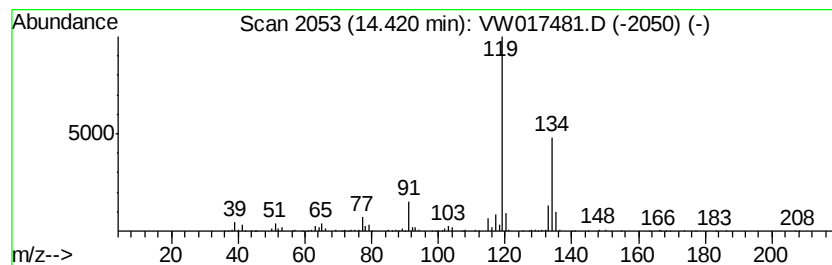
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	25.16 ug/L	609160	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

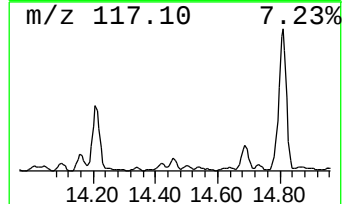
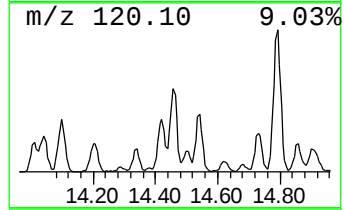
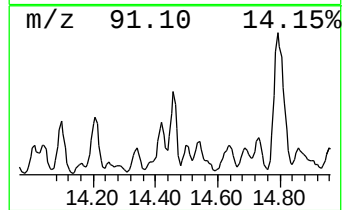
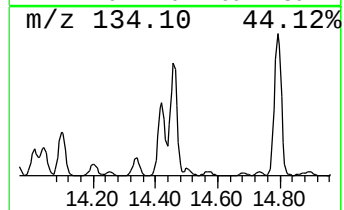
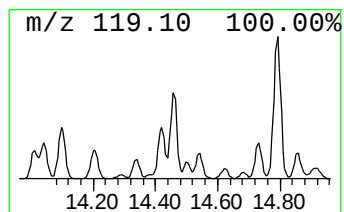
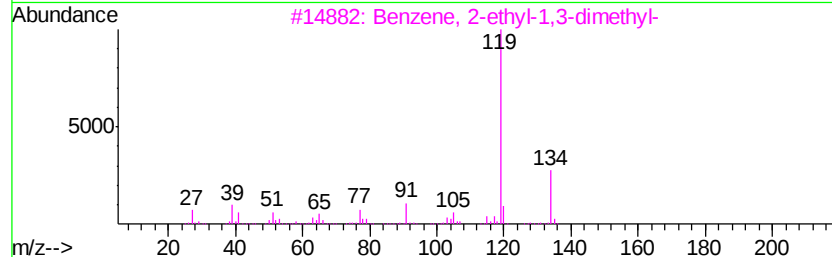
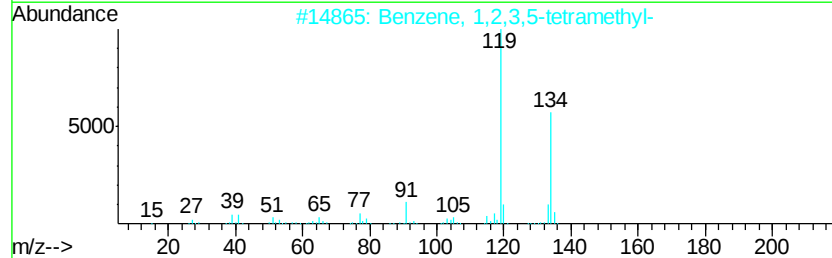
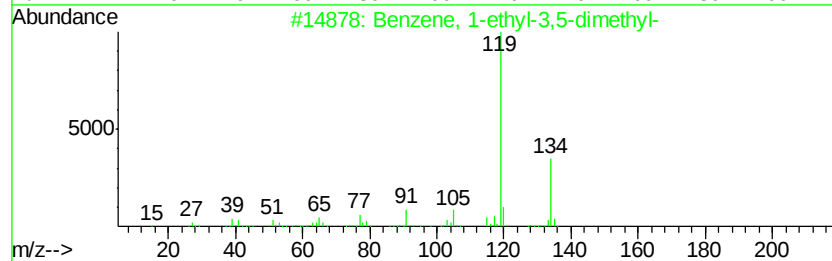
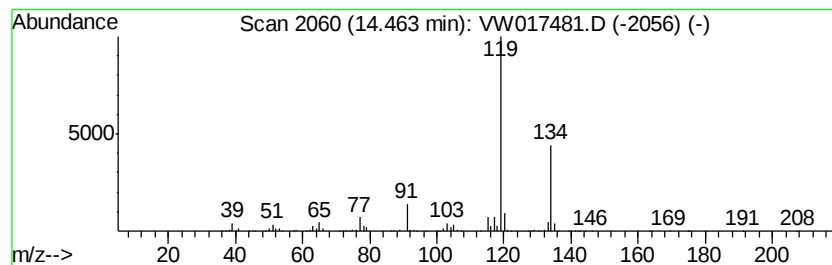
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Quant Title : VOC Analysis

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

Peak Number 23 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	36.03 ug/L	872454	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

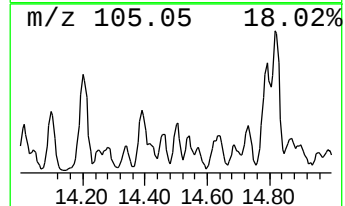
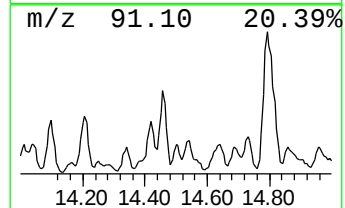
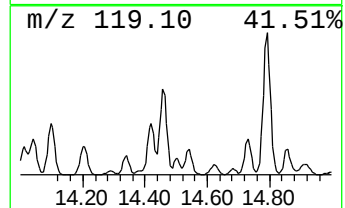
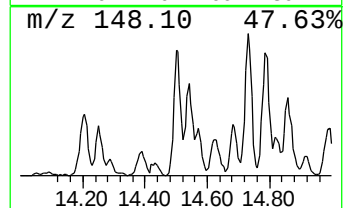
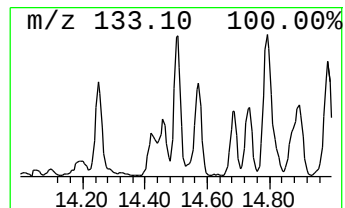
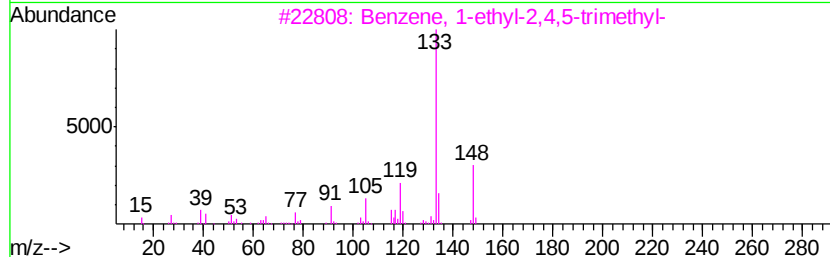
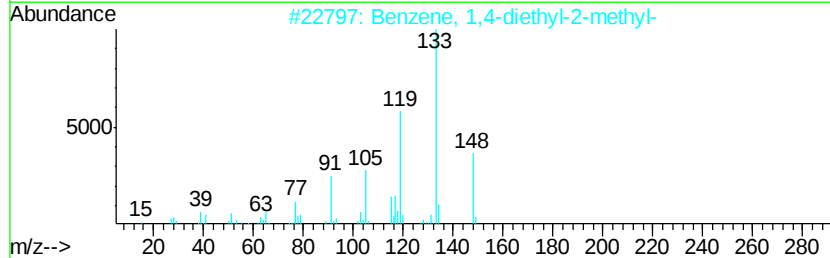
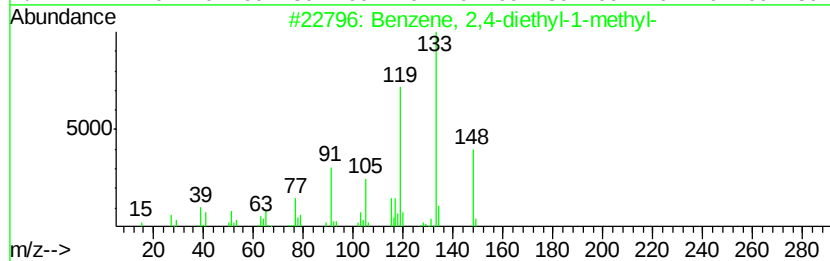
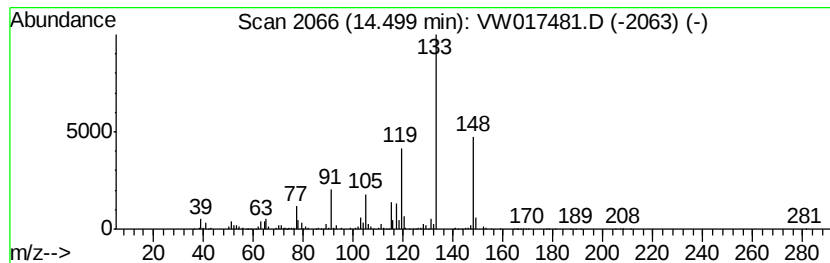
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	12.07 ug/L	292328	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	96
2		Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	95
3		Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	87
4		Benzene, pentamethyl-	148	C11H16	000700-12-9	81
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

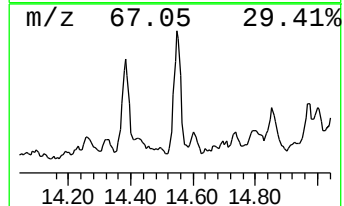
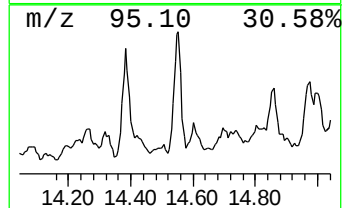
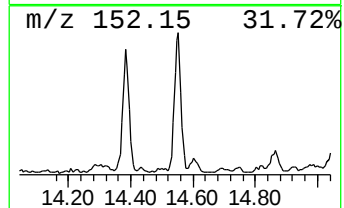
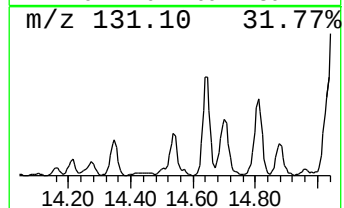
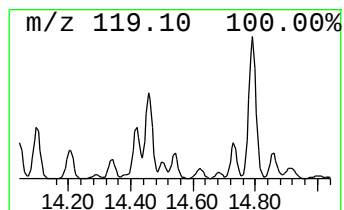
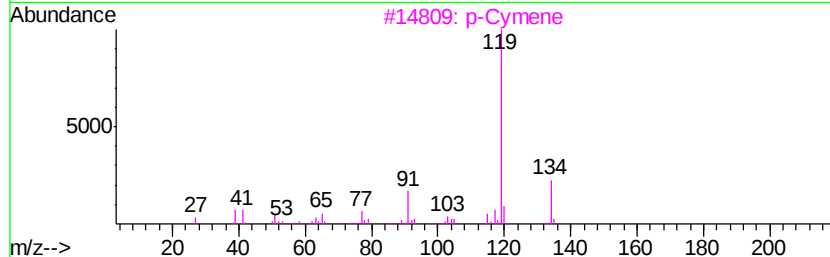
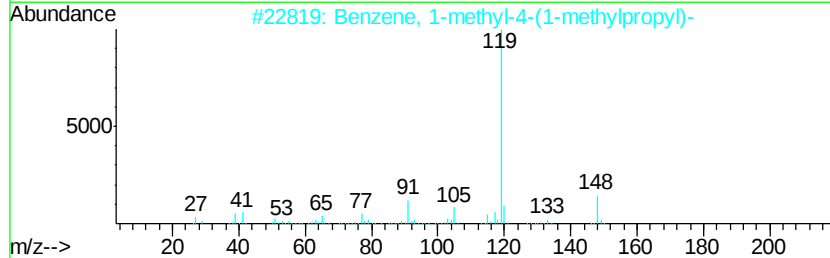
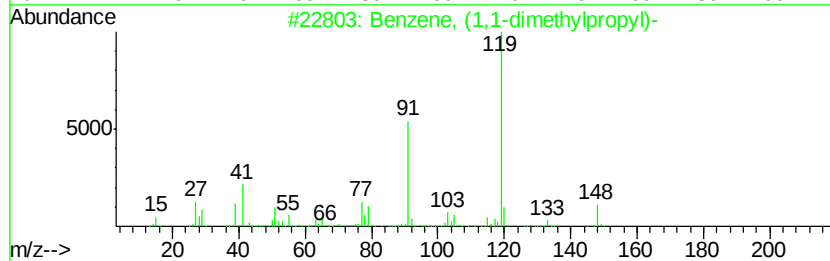
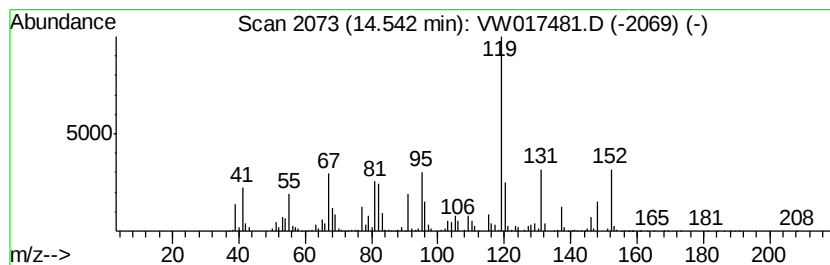
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Quant Title : VOC Analysis

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

Peak Number 25 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	29.08 ug/L	704126	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27
2		Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	27
3		p-Cymene	134	C10H14	000099-87-6	27
4		Benzoic acid, 2,5-dimethyl-, (2,...	268	C18H20O2	055000-48-1	27
5		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

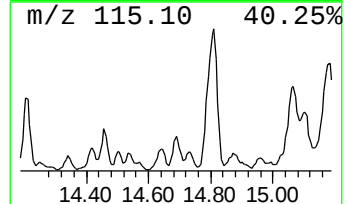
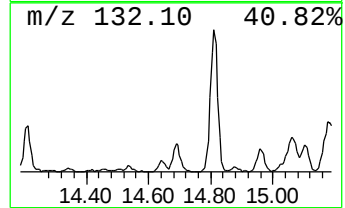
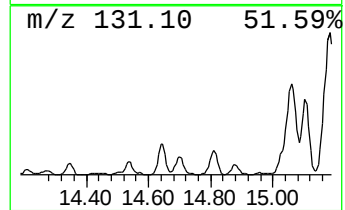
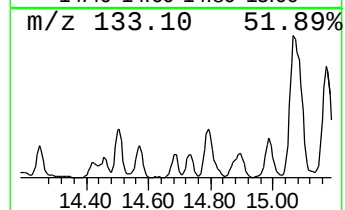
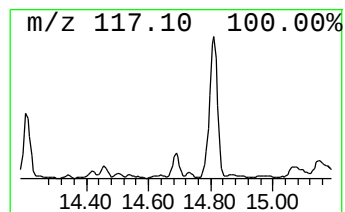
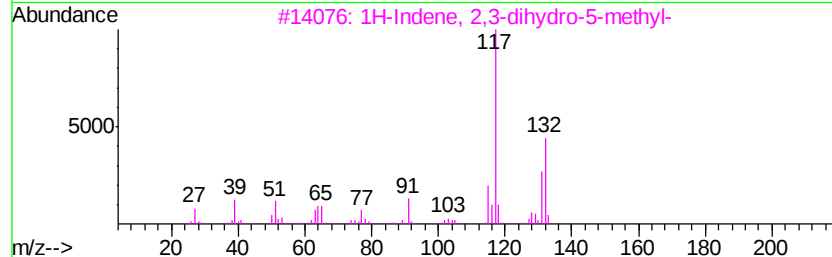
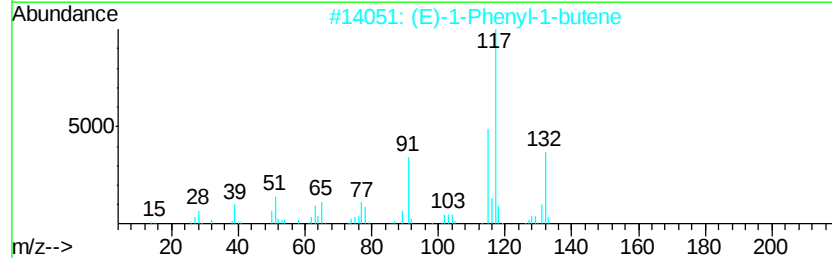
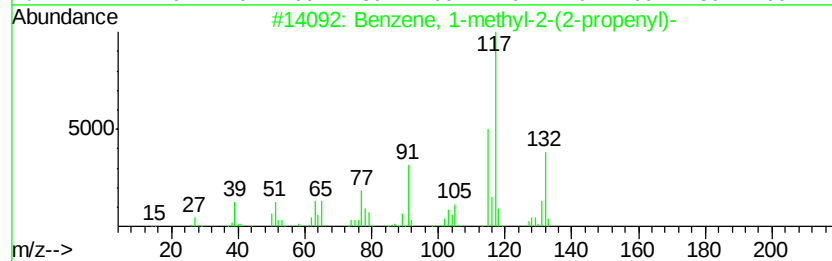
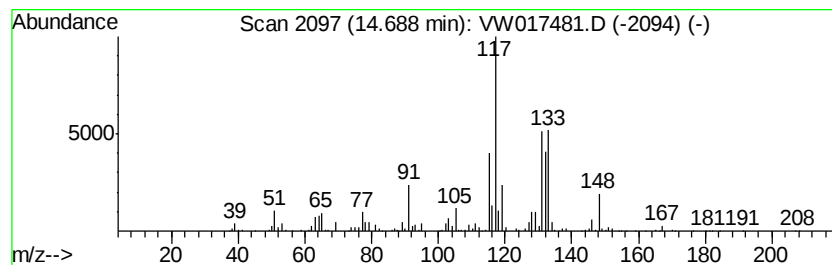
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, (2-methylcycloprop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	9.60 ug/L	232459	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	60
2		(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	60
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	55
4		Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	55
5		1-Phenyl-1-butene	132	C10H12	000824-90-8	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

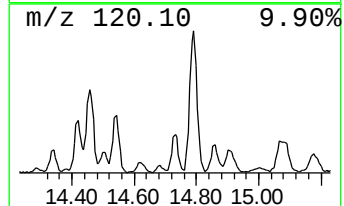
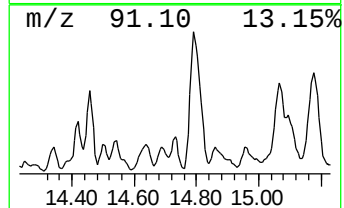
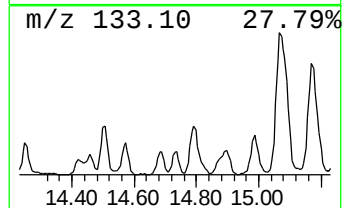
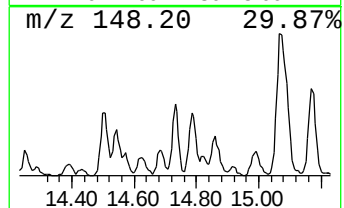
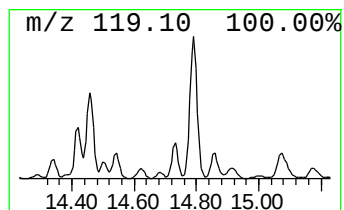
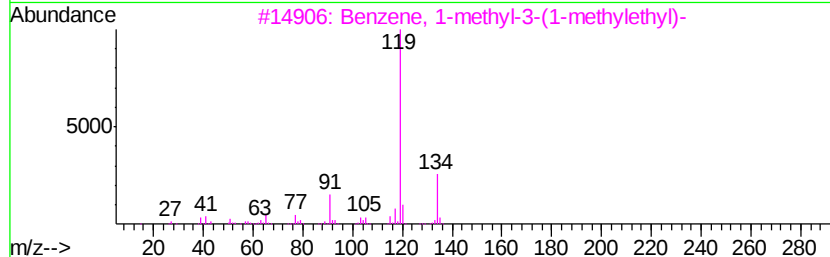
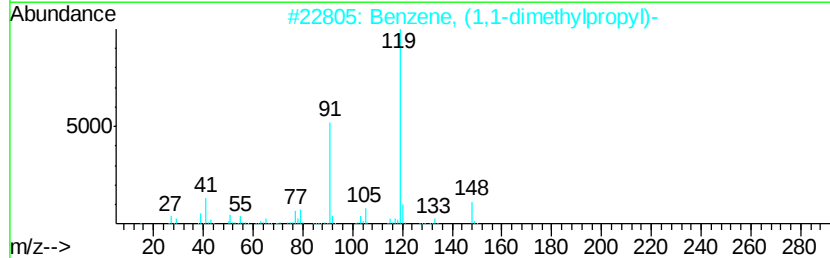
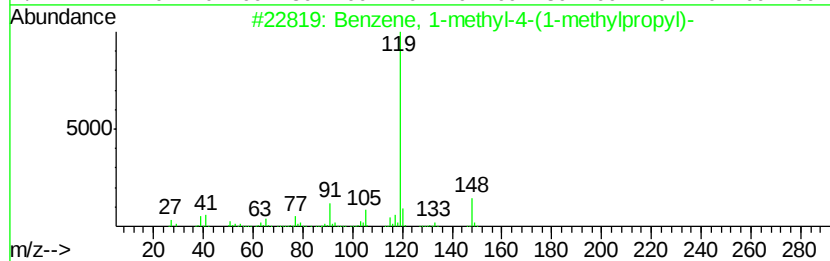
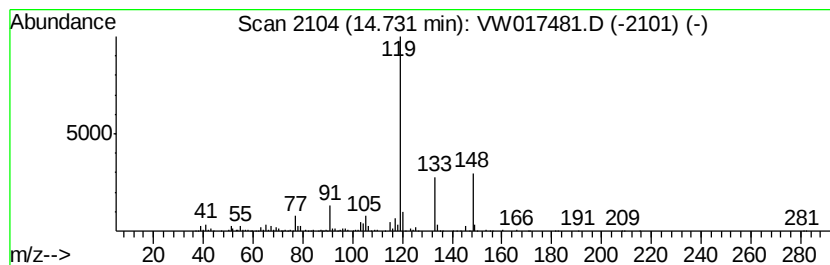
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Quant Title : VOC Analysis

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

Peak Number 27 Benzene, 1-methyl-4-(1-meth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	16.61 ug/L	402078	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	87
2		Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	72
3		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	70
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

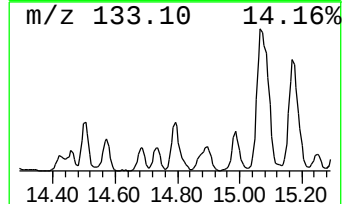
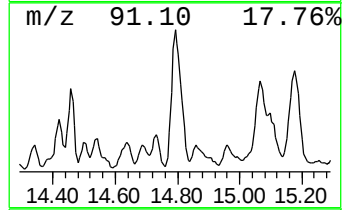
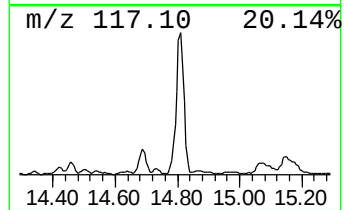
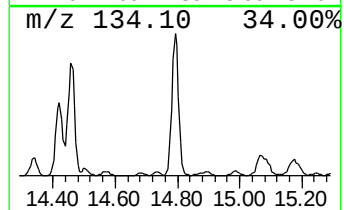
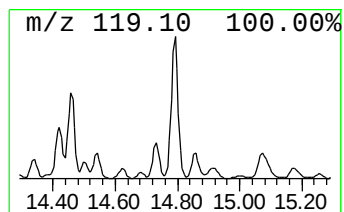
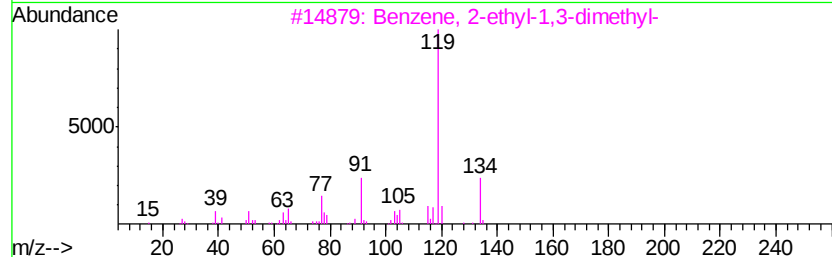
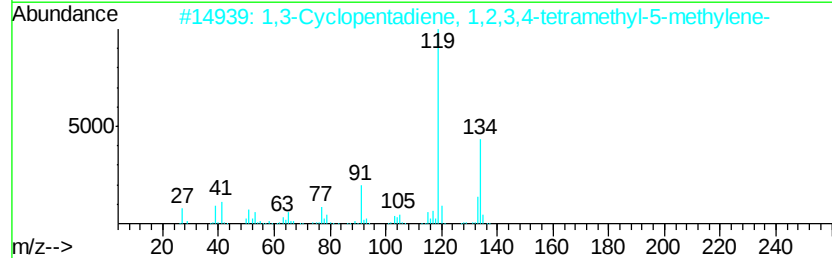
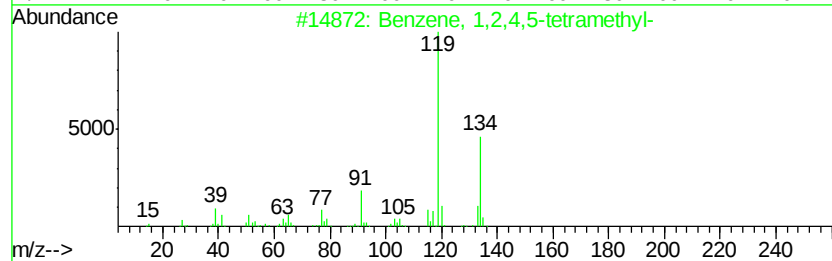
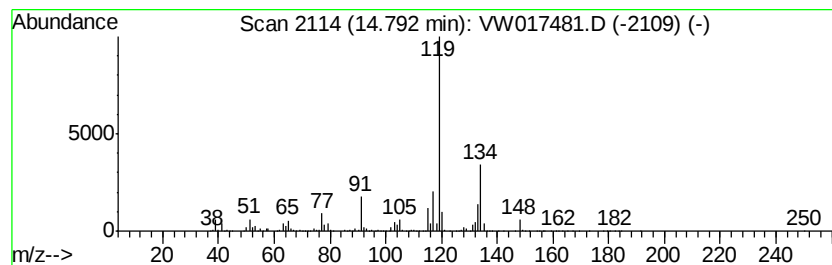
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	115.25 ug/L	2790650	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	94
2		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

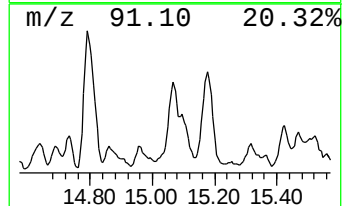
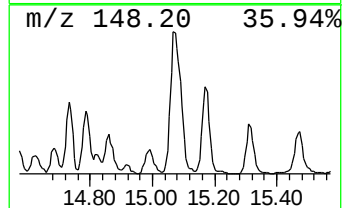
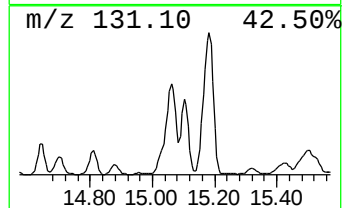
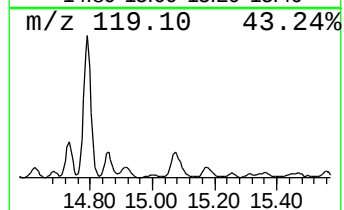
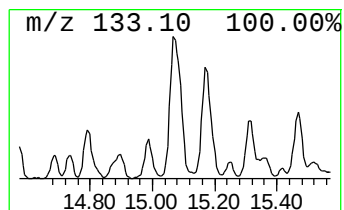
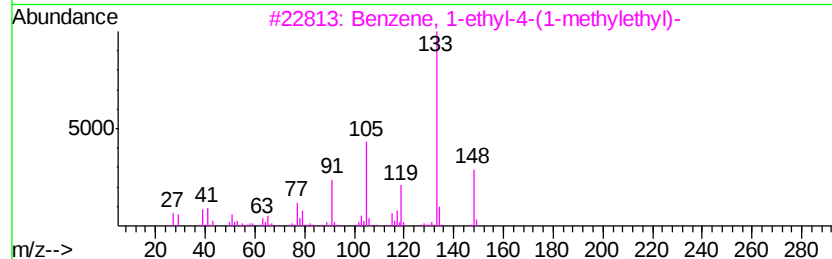
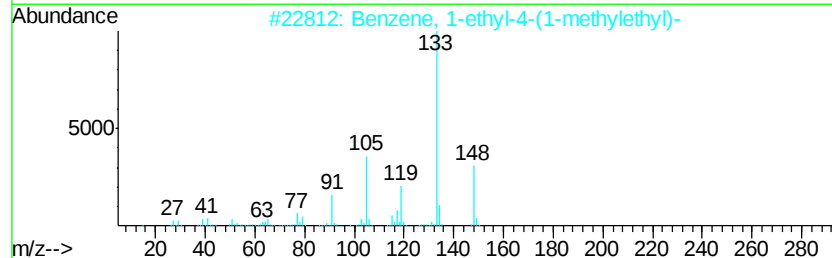
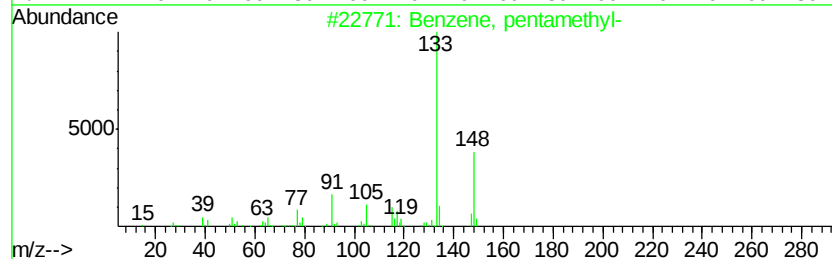
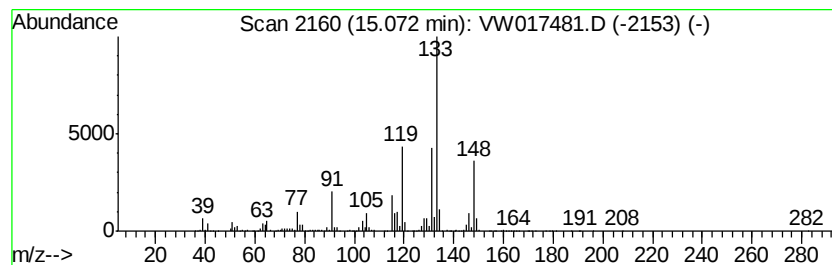
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Quant Title : VOC Analysis

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

Peak Number 29 Benzene, pentamethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	66.84 ug/L	1618430	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, pentamethyl-	148	C11H16	000700-12-9	53
2		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	52
4		m-Ethylacetophenone	148	C10H12O	022699-70-3	43
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

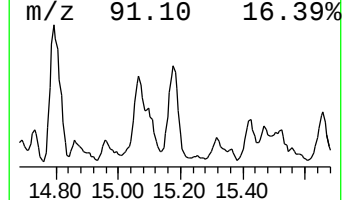
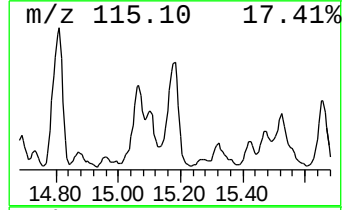
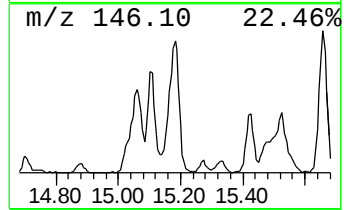
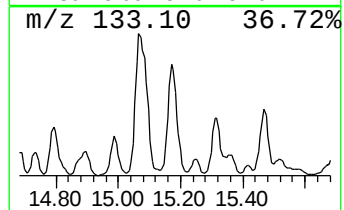
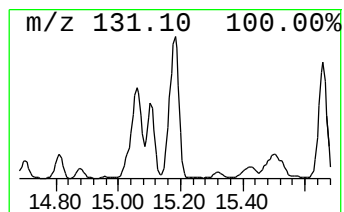
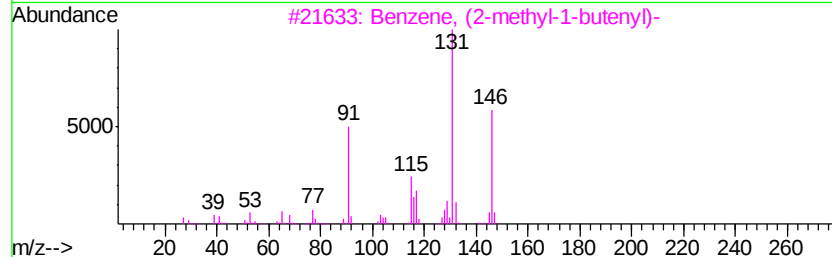
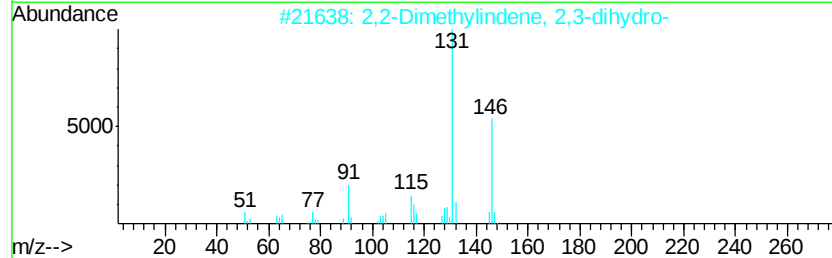
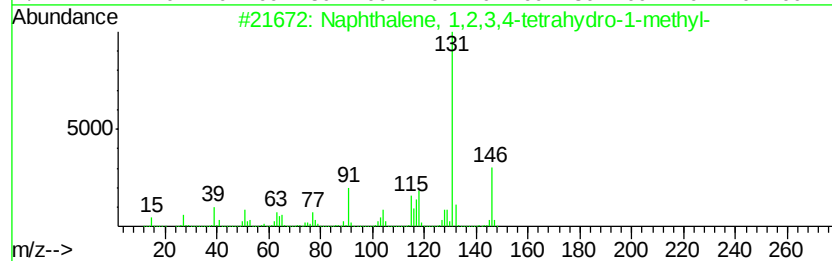
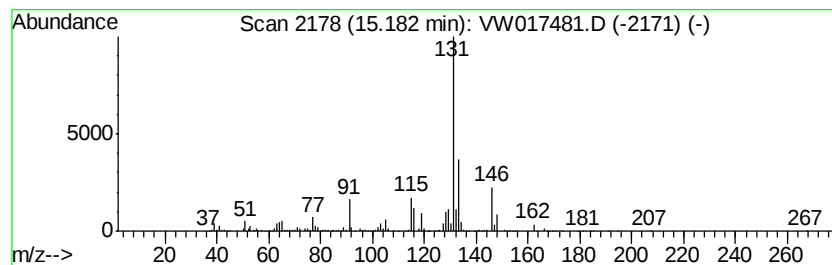
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Quant Title : VOC Analysis

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

Peak Number 30 Naphthalene, 1,2,3,4-tetra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	81.63 ug/L	1976640	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
3		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
4		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
5		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

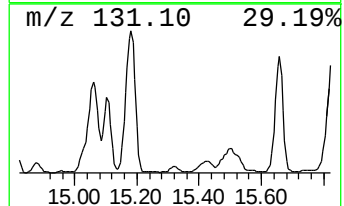
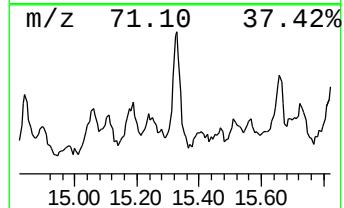
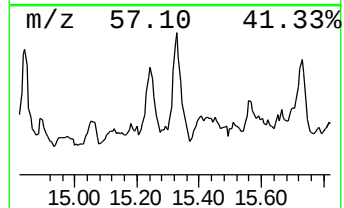
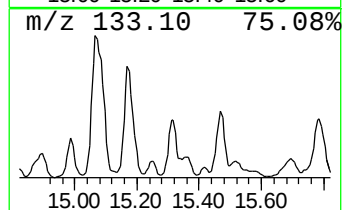
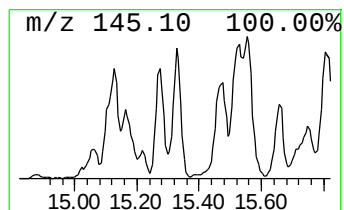
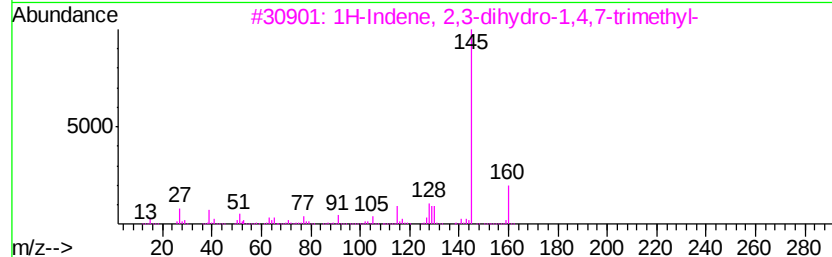
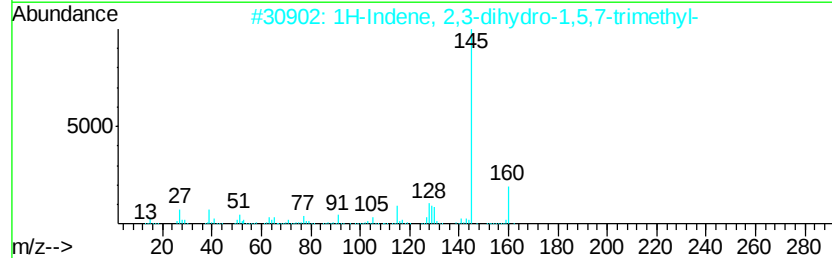
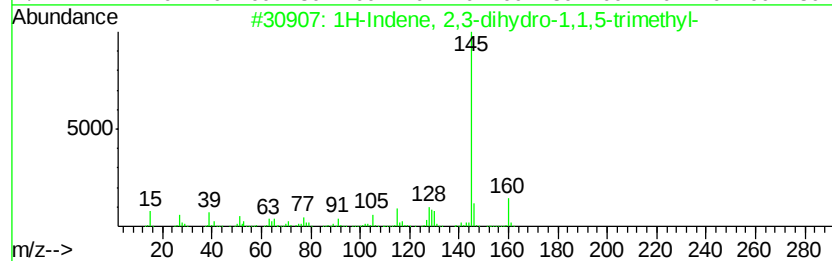
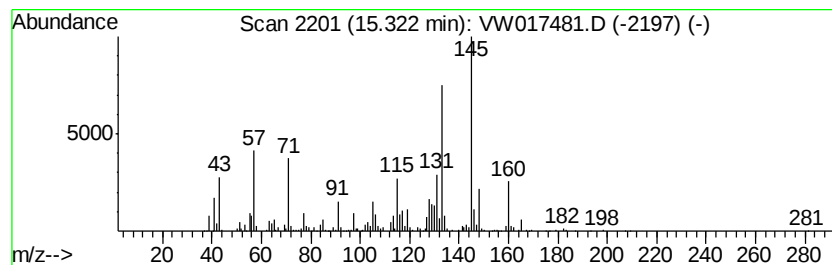
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Quant Title : VOC Analysis

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

Peak Number 31 1H-Indene, 2,3-dihydro-1,5,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	17.03 ug/L	412366	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	90
2		1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	87
3		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	87
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

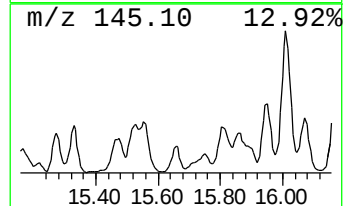
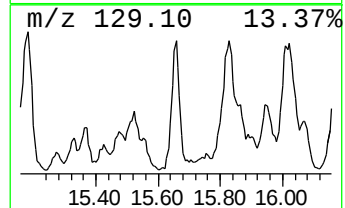
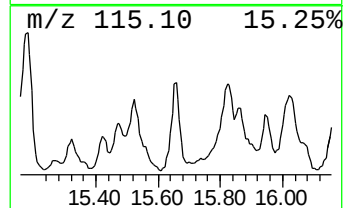
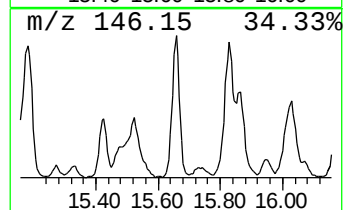
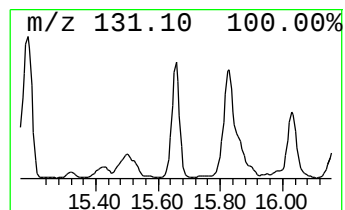
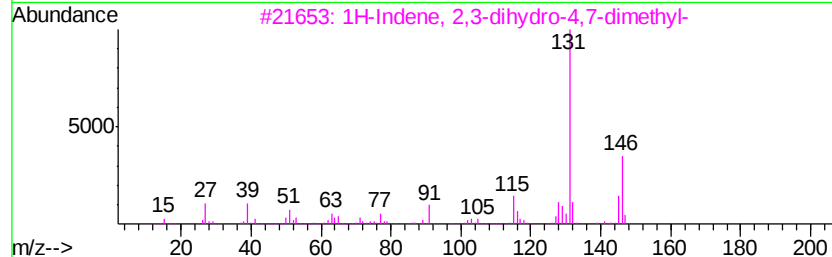
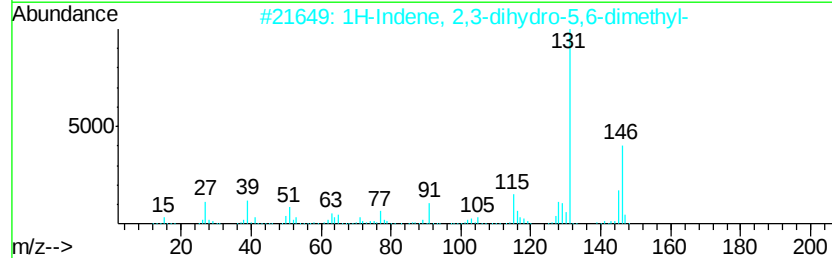
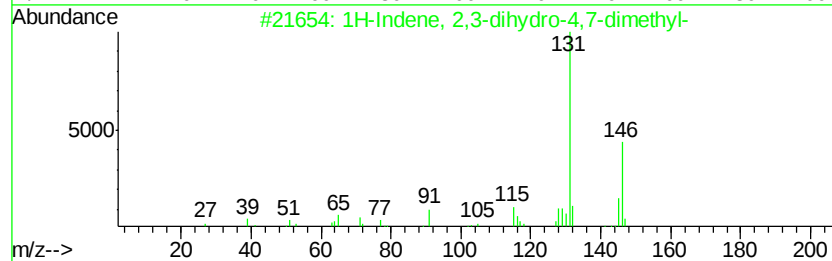
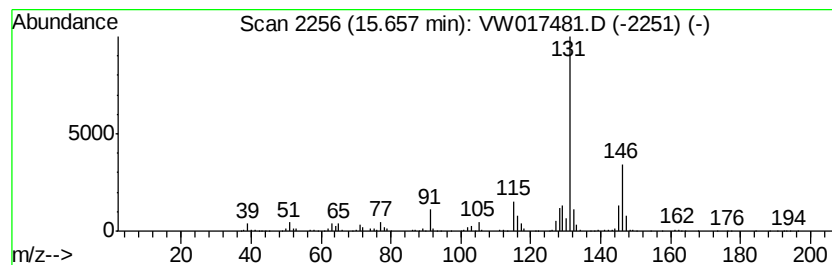
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Quant Title : VOC Analysis

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

Peak Number 32 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	39.32 ug/L	952055	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	96
2		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

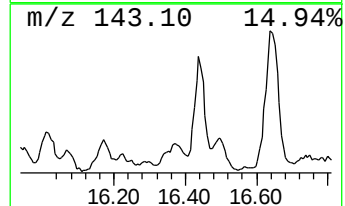
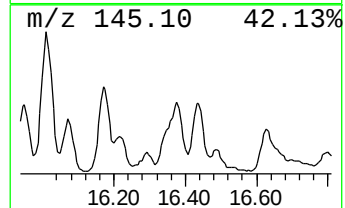
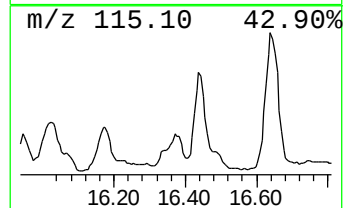
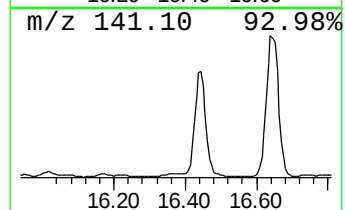
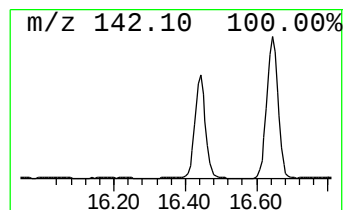
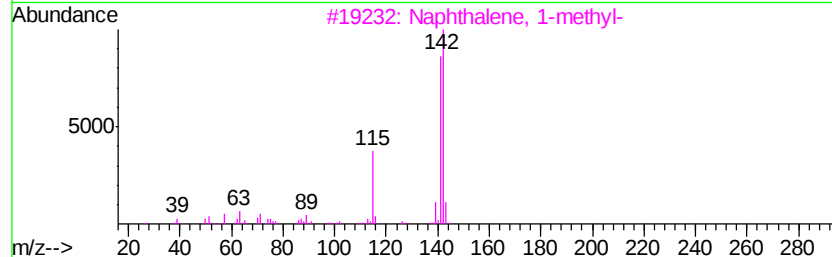
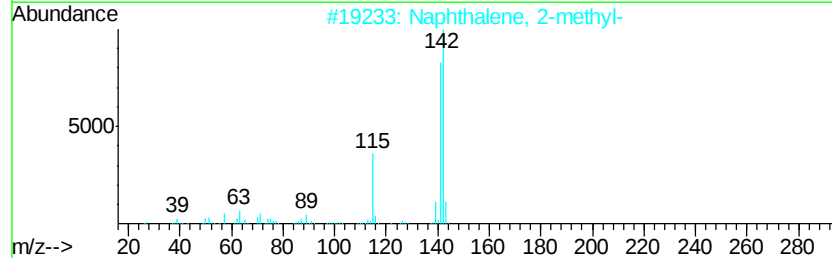
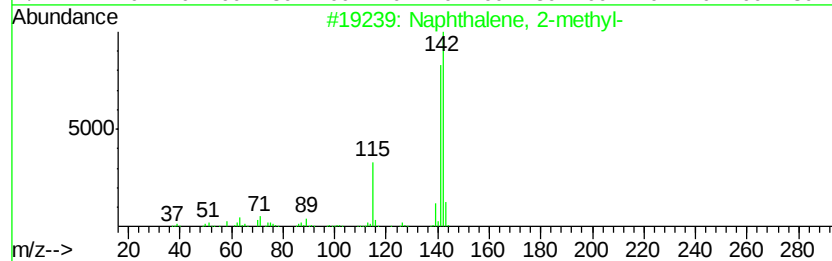
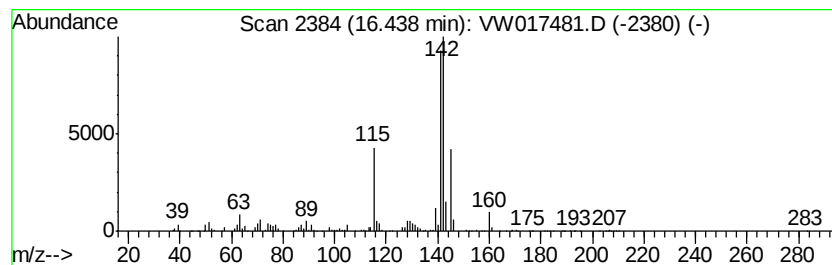
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Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	33.07 ug/L	800705	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
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\VW112420\
Data File : VW017481.D
Acq On : 24 Nov 2020 18:42
Operator : SY/VA
Sample : L4853-02RE
Misc : 4.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

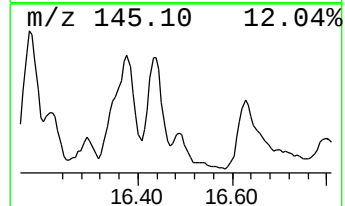
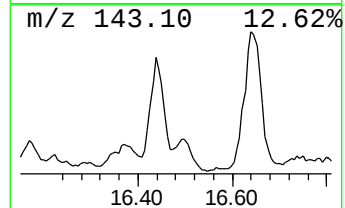
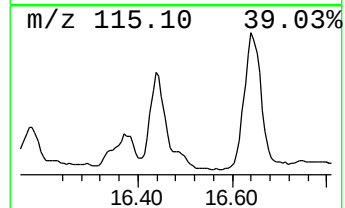
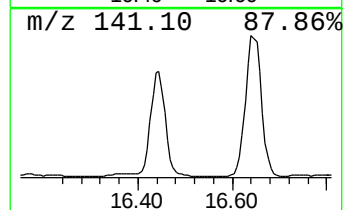
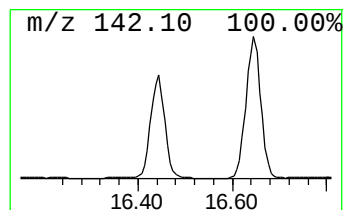
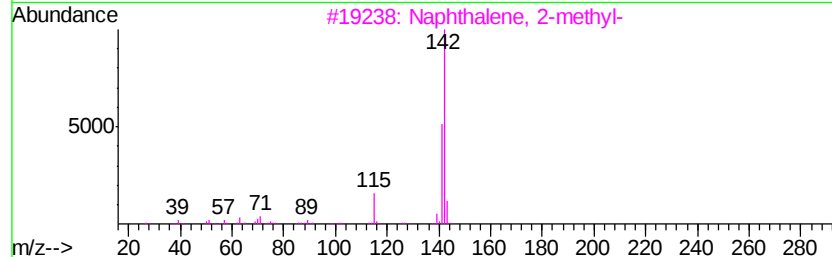
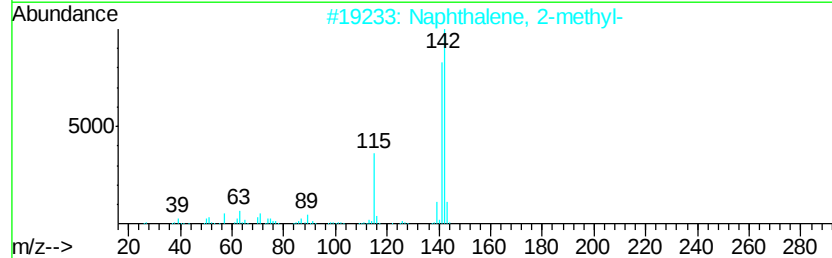
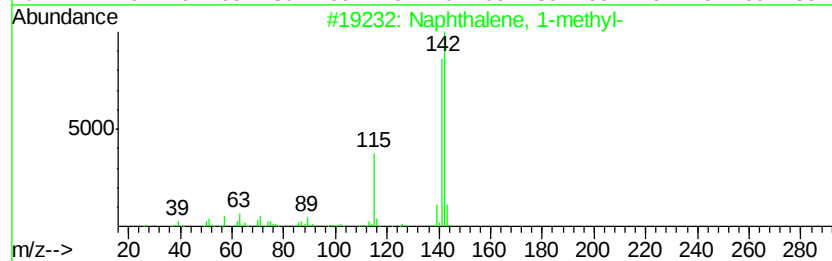
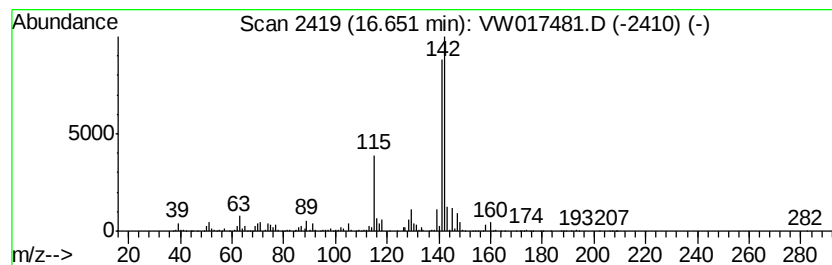
Instrument :
MSVOA_W
ClientSampleId :
C0AD1RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
Quant Title : VOC Analysis

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

Peak Number 34 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	84.42 ug/L	2043980	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
2		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 95
3		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 93
4		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 91
5		1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1 91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112420\
 Data File : VW017481.D
 Acq On : 24 Nov 2020 18:42
 Operator : SY/VA
 Sample : L4853-02RE
 Misc : 4.83G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Cyc...	11.44	1.4	ug/L	58378	2	11.63	1056900	25.0
(DEL) Alkane: Str...	12.36	4.8	ug/L	201203	2	11.63	1056900	25.0
(DEL) Alkane: Cyc...	12.78	10.8	ug/L	262277	3	13.56	605329	25.0
unknown-01	12.87	3.9	ug/L	93606	3	13.56	605329	25.0
Mesitylene	12.94	18.7	ug/L	451840	3	13.56	605329	25.0
Benzene, 1-ethyl-...	13.10	10.9	ug/L	262789	3	13.56	605329	25.0
unknown-02	13.17	1.5	ug/L	36172	3	13.56	605329	25.0
Benzene, 1,2,4-tr...	13.26	7.3	ug/L	176051	3	13.56	605329	25.0
(DEL) Alkane: Str...	13.70	5.3	ug/L	127432	3	13.56	605329	25.0
Indane	13.76	12.7	ug/L	307223	3	13.56	605329	25.0
Benzene, 1-ethyl-...	13.79	18.3	ug/L	443536	3	13.56	605329	25.0
Benzene, 1-methyl...	13.95	7.5	ug/L	182000	3	13.56	605329	25.0
Benzene, 2-ethyl-...	14.01	16.1	ug/L	390273	3	13.56	605329	25.0
o-Cymene	14.10	24.0	ug/L	580174	3	13.56	605329	25.0
Benzene, (2-methy...	14.16	4.5	ug/L	109296	3	13.56	605329	25.0
Benzene, 1-methyl...	14.21	29.9	ug/L	724123	3	13.56	605329	25.0
3,4-Dimethylcumene	14.26	10.4	ug/L	250619	3	13.56	605329	25.0
Benzene, 4-ethyl-...	14.34	11.7	ug/L	282807	3	13.56	605329	25.0
trans-Decalin, 2-...	14.38	13.9	ug/L	335846	3	13.56	605329	25.0
Benzene, 1,2,3,4-...	14.42	25.2	ug/L	609160	3	13.56	605329	25.0
Benzene, 1-ethyl-...	14.46	36.0	ug/L	872454	3	13.56	605329	25.0
Benzene, 1,4-diet...	14.50	12.1	ug/L	292328	3	13.56	605329	25.0
unknown-03	14.54	29.1	ug/L	704126	3	13.56	605329	25.0
Benzene, (2-methy...	14.69	9.6	ug/L	232459	3	13.56	605329	25.0
Benzene, 1-methyl...	14.73	16.6	ug/L	402078	3	13.56	605329	25.0
Benzene, 1,2,4,5-...	14.79	115.3	ug/L	2790650	3	13.56	605329	25.0
Benzene, pentamet...	15.07	66.8	ug/L	1618430	3	13.56	605329	25.0
Naphthalene, 1,2,...	15.18	81.6	ug/L	1976640	3	13.56	605329	25.0
1H-Indene, 2,3-di...	15.32	17.0	ug/L	412366	3	13.56	605329	25.0
1H-Indene, 2,3-di...	15.66	39.3	ug/L	952055	3	13.56	605329	25.0
Naphthalene, 2-me...	16.44	33.1	ug/L	800705	3	13.56	605329	25.0
Naphthalene, 1-me...	16.65	84.4	ug/L	2043980	3	13.56	605329	25.0