

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112020\
 Data File : VW017420.D
 Acq On : 20 Nov 2020 16:22
 Operator : SY/VA
 Sample : L4853-02
 Misc : 4.85G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1

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	2.153	38	41	43	rBV2	962	1321	0.04%	0.005%
2	2.355	68	74	85	rVB	97018	177010	5.60%	0.618%
3	2.464	90	92	95	rBV3	853	849	0.03%	0.003%
4	2.891	154	162	176	rBV	68669	166448	5.27%	0.581%
5	3.361	236	239	241	rBV	355	410	0.01%	0.001%
6	3.397	241	245	246	rBV2	528	600	0.02%	0.002%
7	3.489	256	260	262	rVB2	323	381	0.01%	0.001%
8	3.519	262	265	266	rBV	375	368	0.01%	0.001%
9	3.543	267	269	273	rVB2	587	595	0.02%	0.002%
10	3.702	291	295	297	rBV3	196	318	0.01%	0.001%
11	4.019	335	347	362	rBV	132823	386897	12.24%	1.350%
12	4.275	385	389	392	rVB3	249	341	0.01%	0.001%
13	4.385	401	407	418	rBV5	1549	5418	0.17%	0.019%
14	4.915	484	494	508	rBV4	9379	32364	1.02%	0.113%
15	5.945	655	663	672	rVB6	1722	5302	0.17%	0.019%
16	6.421	736	741	743	rBV2	177	323	0.01%	0.001%
17	6.622	773	774	779	rVB	286	329	0.01%	0.001%
18	7.079	840	849	853	rBV2	25948	67582	2.14%	0.236%
19	7.445	907	909	912	rVB3	286	303	0.01%	0.001%
20	7.652	933	943	954	rVV	180613	451820	14.30%	1.577%
21	7.738	955	957	962	rVB2	419	451	0.01%	0.002%
22	7.939	985	990	999	rBV3	842	1955	0.06%	0.007%
23	8.280	1032	1046	1063	rBV2	342371	1045996	33.10%	3.650%
24	8.390	1063	1064	1070	rVB5	553	684	0.02%	0.002%
25	8.567	1090	1093	1096	rBV	311	421	0.01%	0.001%
26	8.634	1102	1104	1109	rVB2	258	364	0.01%	0.001%
27	8.841	1130	1138	1150	rBV	297908	601299	19.03%	2.098%
28	9.073	1174	1176	1182	rVB3	420	672	0.02%	0.002%
29	9.170	1189	1192	1195	rVB2	253	385	0.01%	0.001%
30	9.274	1200	1209	1217	rVV	221696	455490	14.42%	1.590%
31	9.335	1217	1219	1227	rVV5	6193	10767	0.34%	0.038%
32	9.396	1227	1229	1231	rVB2	620	423	0.01%	0.001%
33	9.609	1257	1264	1270	rVB4	957	1948	0.06%	0.007%
34	9.664	1270	1273	1277	rVB3	615	760	0.02%	0.003%

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Integration Parameters: LSCINT.P

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

35	9.756	1282	1288	1296	rBV4	2328	4367	0.14%	0.015%
36	9.902	1305	1312	1316	rBV4	1590	2855	0.09%	0.010%
37	9.987	1324	1326	1327	rBV2	495	384	0.01%	0.001%
38	10.036	1327	1334	1347	rVV	115642	206062	6.52%	0.719%
39	10.213	1358	1363	1365	rBV4	1350	1984	0.06%	0.007%
40	10.329	1373	1382	1389	rBV	398018	722565	22.87%	2.522%
41	10.426	1397	1398	1400	rBV2	383	374	0.01%	0.001%
42	10.451	1400	1402	1404	rVB	814	715	0.02%	0.002%
43	10.499	1404	1410	1417	rVB8	3927	9557	0.30%	0.033%
44	10.579	1417	1423	1429	rBV	69896	125390	3.97%	0.438%
45	10.664	1433	1437	1440	rVV4	9647	16757	0.53%	0.058%
46	10.707	1440	1444	1449	rVV2	18276	31335	0.99%	0.109%
47	10.762	1449	1453	1458	rVB4	4418	7416	0.23%	0.026%
48	10.859	1464	1469	1473	rVB6	2037	3429	0.11%	0.012%
49	10.926	1473	1480	1489	rBV	103257	176896	5.60%	0.617%
50	11.060	1498	1502	1507	rVB	15064	22245	0.70%	0.078%
51	11.109	1507	1510	1514	rVV3	3428	5537	0.18%	0.019%
52	11.146	1514	1516	1518	rVV2	6149	7069	0.22%	0.025%
53	11.176	1519	1521	1525	rVV3	9291	13871	0.44%	0.048%
54	11.231	1525	1530	1536	rVV	24121	44127	1.40%	0.154%
55	11.286	1536	1539	1542	rVV4	5267	7443	0.24%	0.026%
56	11.335	1543	1547	1552	rVV4	9153	15947	0.50%	0.056%
57	11.377	1552	1554	1558	rVV4	2353	3142	0.10%	0.011%
58	11.438	1559	1564	1572	rVB2	34070	63410	2.01%	0.221%
59	11.511	1572	1576	1578	rBV3	2599	3732	0.12%	0.013%
60	11.633	1589	1596	1605	rBV	308721	536148	16.97%	1.871%
61	11.731	1608	1612	1614	rBV4	5816	9104	0.29%	0.032%
62	11.768	1614	1618	1622	rVV2	17645	25093	0.79%	0.088%
63	11.822	1622	1627	1631	rVV5	13135	27180	0.86%	0.095%
64	11.877	1632	1636	1647	rVB5	26952	90792	2.87%	0.317%
65	11.975	1647	1652	1658	rBV4	14219	28412	0.90%	0.099%
66	12.042	1659	1663	1670	rVB4	11462	23306	0.74%	0.081%
67	12.139	1671	1679	1687	rBV5	44234	127362	4.03%	0.444%
68	12.365	1701	1716	1723	rBV5	70785	261443	8.27%	0.912%
69	12.469	1729	1733	1739	rVB4	45379	86480	2.74%	0.302%
70	12.609	1751	1756	1762	rVB2	43501	79031	2.50%	0.276%
71	12.694	1763	1770	1776	rBV	183450	361922	11.45%	1.263%

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 ClientSampleId :
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Integration Parameters: LSCINT.P

Integrator: RTE
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72	12.780	1779	1784	1791	rVB2	169812	303665	9.61%	1.060%
73	12.865	1791	1798	1802	rBV5	51083	119803	3.79%	0.418%
74	12.944	1805	1811	1824	rVB2	209186	489702	15.50%	1.709%
75	13.103	1830	1837	1844	rVB2	122436	264451	8.37%	0.923%
76	13.188	1845	1851	1857	rBV7	37798	105060	3.33%	0.367%
77	13.255	1857	1862	1866	rBV2	107252	186948	5.92%	0.652%
78	13.383	1879	1883	1886	rBV2	54786	79763	2.52%	0.278%
79	13.560	1907	1912	1919	rVB2	156466	300821	9.52%	1.050%
80	13.700	1931	1935	1939	rBV3	101760	181473	5.74%	0.633%
81	13.755	1940	1944	1946	rBV2	188964	293170	9.28%	1.023%
82	13.785	1946	1949	1954	rVB	348866	522685	16.54%	1.824%
83	13.877	1957	1964	1969	rVB4	320784	773945	24.49%	2.701%
84	13.950	1973	1976	1979	rVB	122703	154952	4.90%	0.541%
85	14.011	1982	1986	1989	rBV	303063	484273	15.33%	1.690%
86	14.096	1996	2000	2007	rVB	412602	668446	21.16%	2.333%
87	14.206	2013	2018	2022	rBV2	442503	687961	21.77%	2.401%
88	14.340	2035	2040	2043	rBV2	183994	312176	9.88%	1.089%
89	14.383	2043	2047	2050	rVV2	370398	577795	18.29%	2.016%
90	14.419	2050	2053	2056	rVV	430224	694129	21.97%	2.422%
91	14.456	2056	2059	2063	rVV	682500	987365	31.25%	3.446%
92	14.505	2063	2067	2069	rVV	237420	332224	10.51%	1.159%
93	14.548	2069	2074	2081	rVB3	544542	1019677	32.27%	3.558%
94	14.730	2101	2104	2109	rVB	345928	503569	15.94%	1.757%
95	14.797	2109	2115	2121	rBV2	1347087	3159698	100.00%	11.026%
96	15.066	2154	2159	2163	rBV2	941273	1858452	58.82%	6.485%
97	15.182	2172	2178	2184	rVB2	1129960	2433221	77.01%	8.491%
98	15.657	2252	2256	2264	rVB	625259	1117171	35.36%	3.899%
99	16.437	2381	2384	2389	rVB2	493721	791305	25.04%	2.761%
100	16.639	2411	2417	2430	rVB2	972996	2678151	84.76%	9.346%

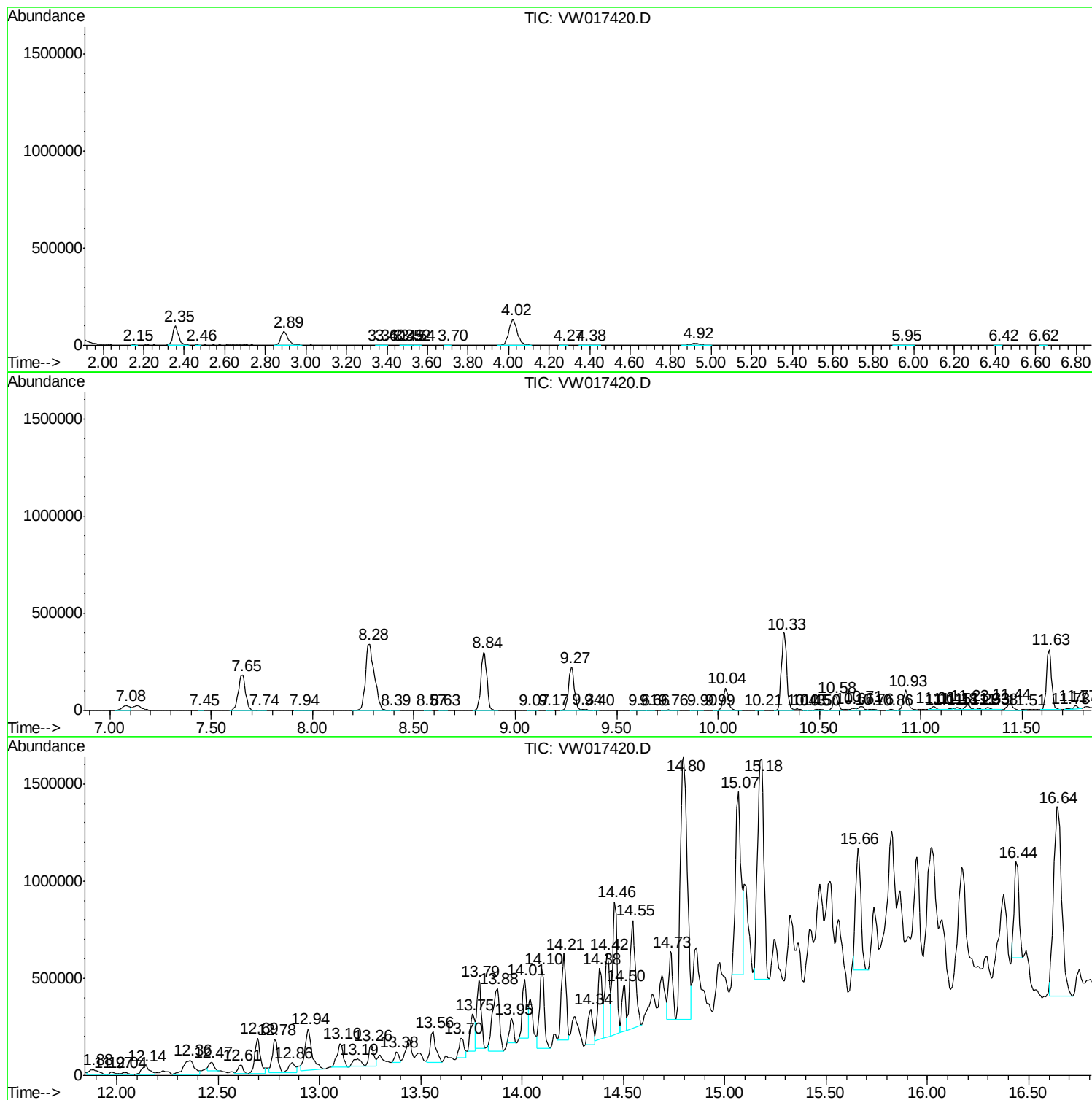
Sum of corrected areas: 28655527

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
C0AD1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
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Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

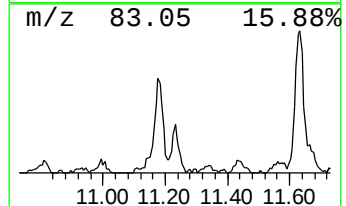
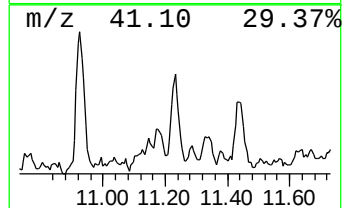
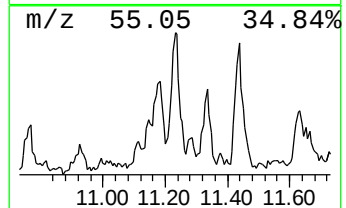
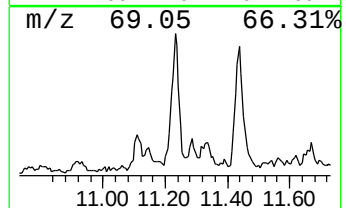
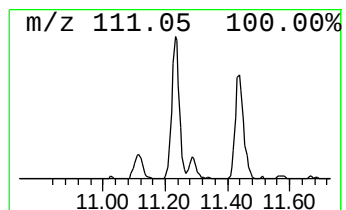
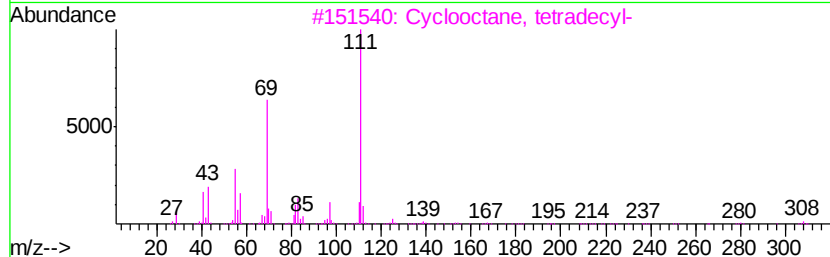
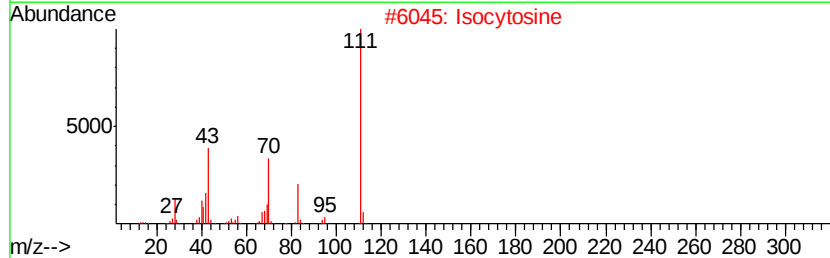
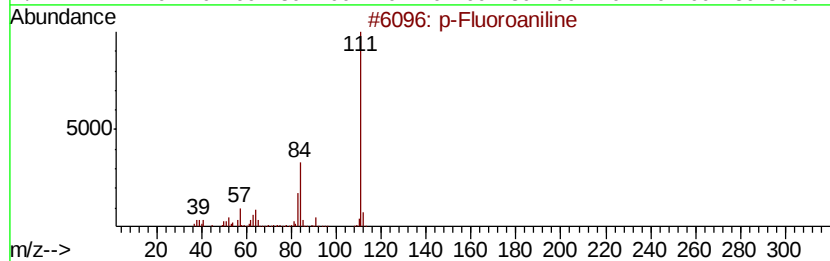
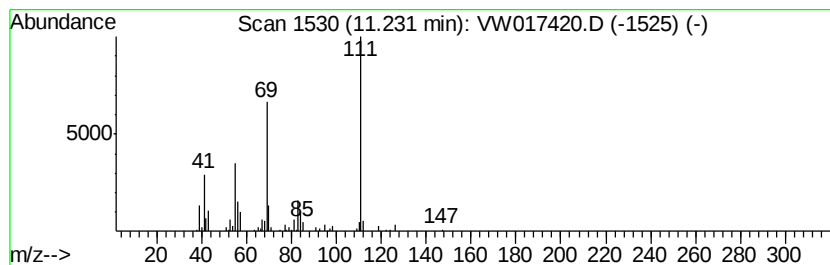
Instrument :
MSVOA_W
ClientSampleId :
C0AD1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 3 p-Fluoroaniline Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	2.06 ug/L	44127	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		p-Fluoroaniline	111	C6H6FN	000371-40-4	64
2		Isocytosine	111	C4H5N3O	000108-53-2	59
3		Cvclooctane, tetradecvyl-	308	C22H44	149003-36-1	56
4		2-Thiophenecarboxylic acid, 6-et...	268	C15H24O2S	1000278-87-6	56
5		Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	53



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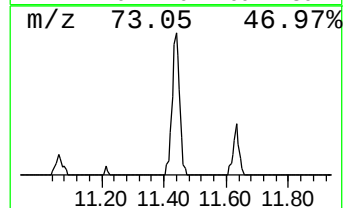
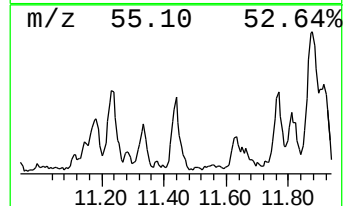
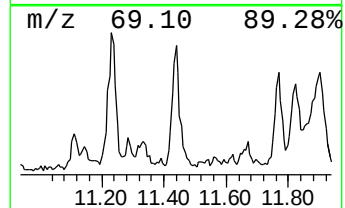
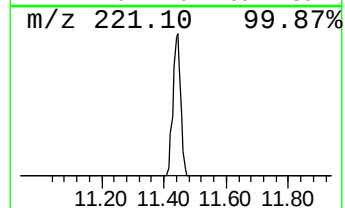
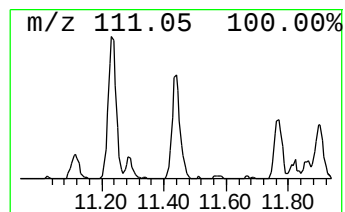
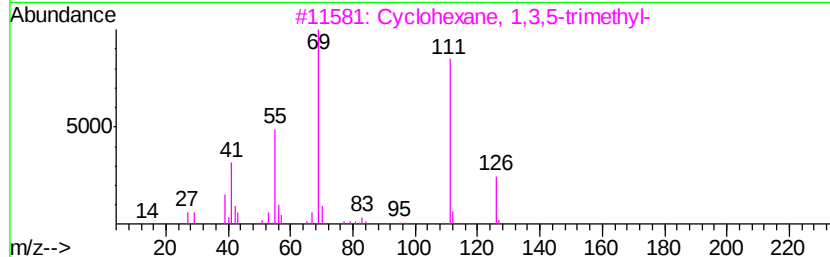
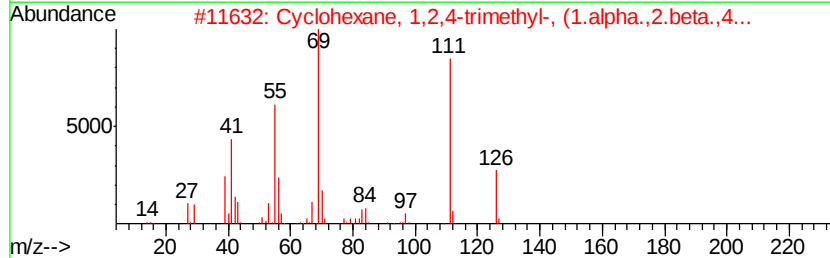
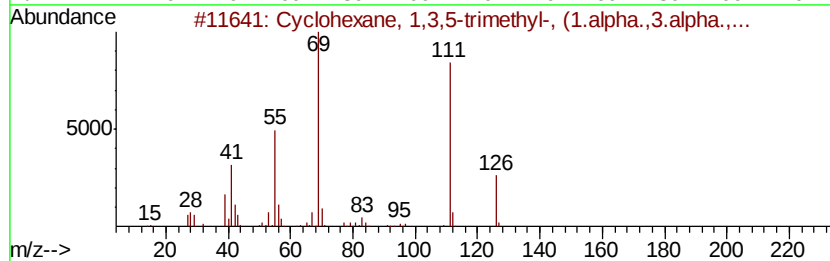
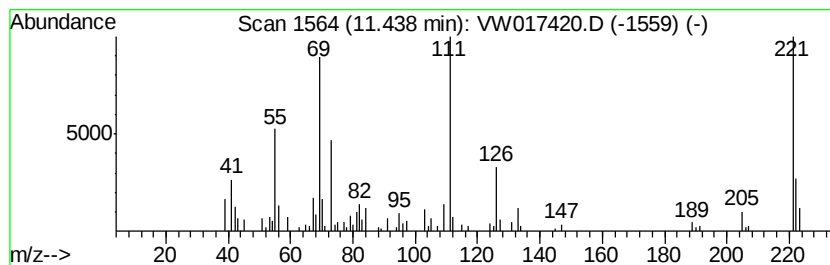
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 4 (DEL) Alkane: Cyclic11.44 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.44	2.96 ug/L	63410	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	55
2		Cvclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	55
3		Cvclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	55
4		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	49
5		Cvclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	46



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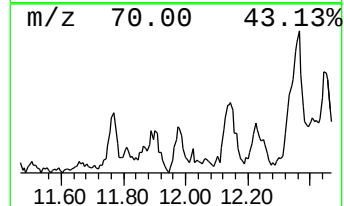
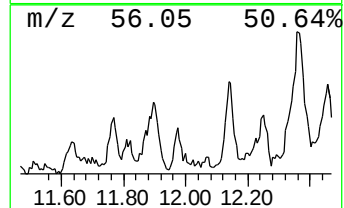
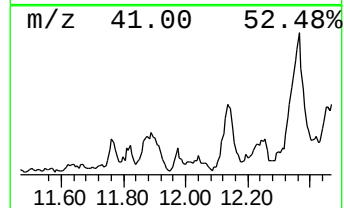
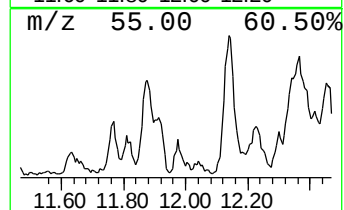
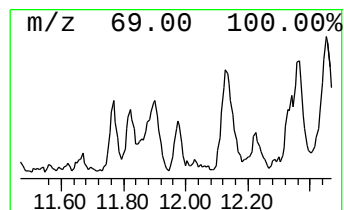
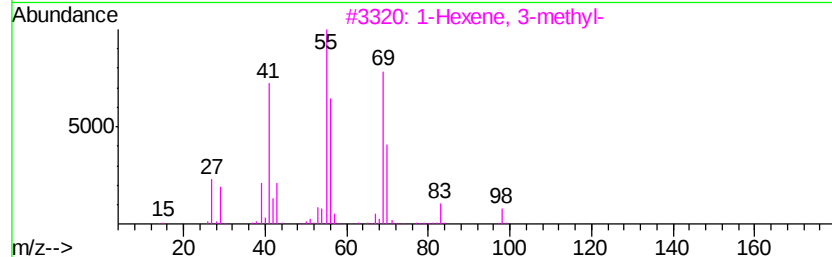
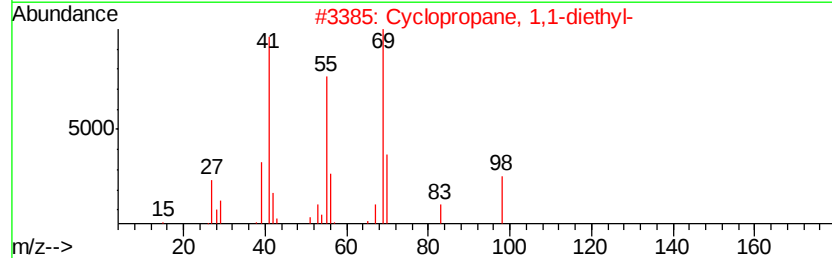
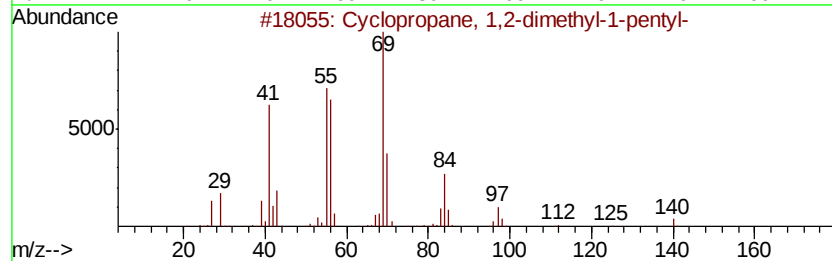
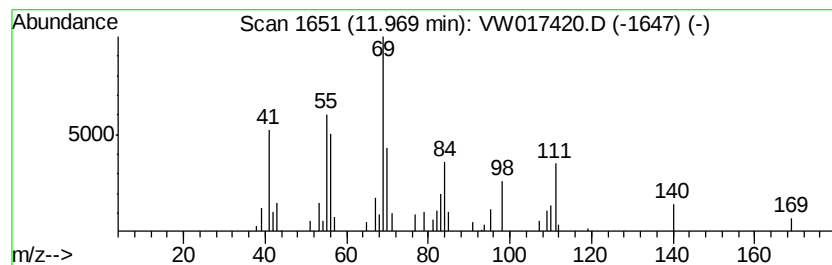
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 5 (DEL) Alkane: Cyclic11.97 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	1.32 ug/L	28412	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	52
2		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	50
3		1-Hexene, 3-methyl-	98	C7H14	003404-61-3	49
4		Pentane, 3-methylene-	84	C6H12	000760-21-4	43
5		Cyclopropane, 1-ethyl-1-methyl-	84	C6H12	053778-43-1	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

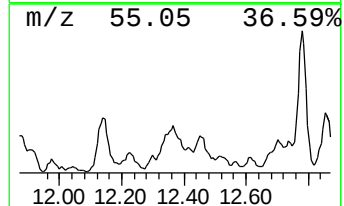
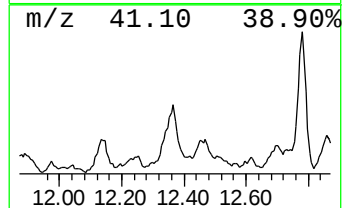
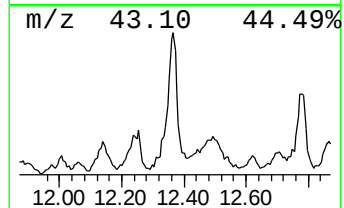
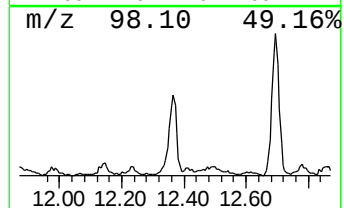
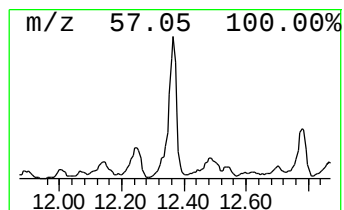
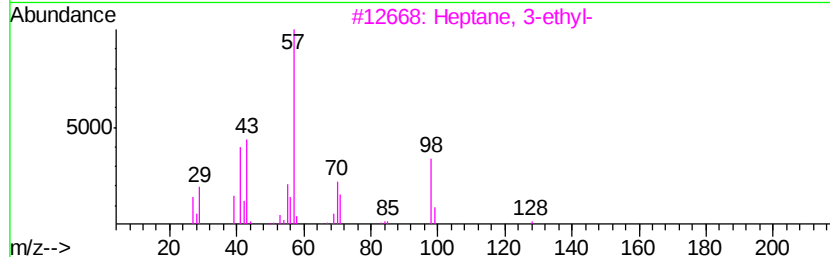
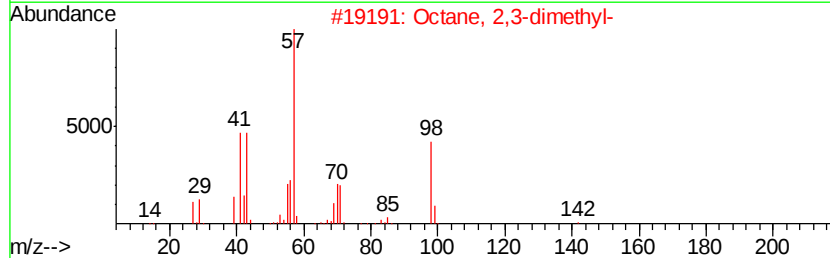
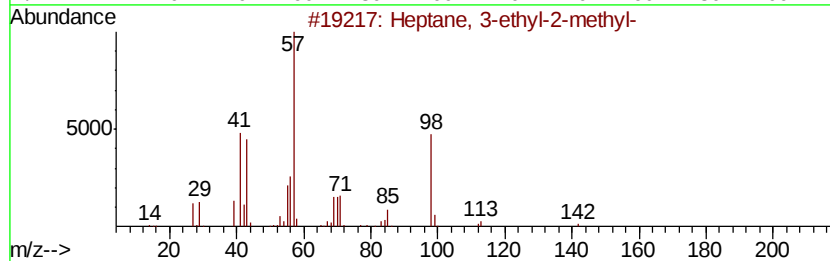
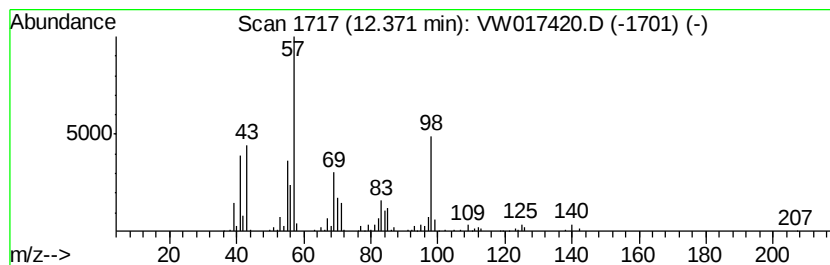
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Quant Title : VOC Analysis

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

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	12.19 ug/L	261443	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		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	50
4		Octane, 4,5-dipropyl-	198	C14H30	020905-05-9	50
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

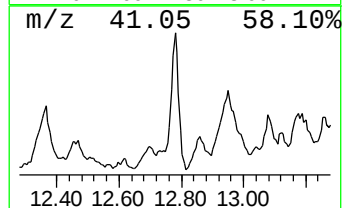
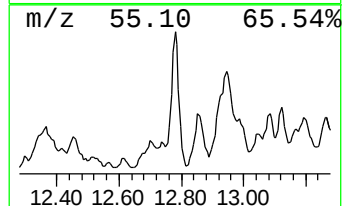
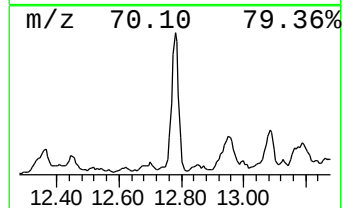
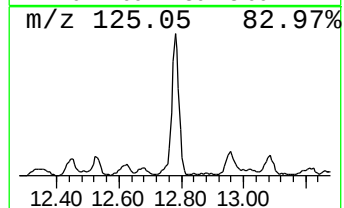
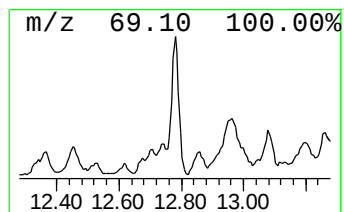
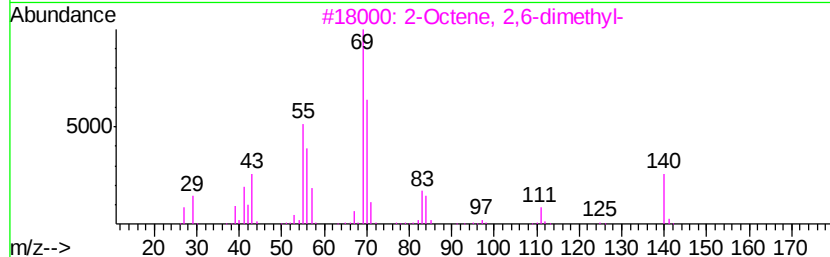
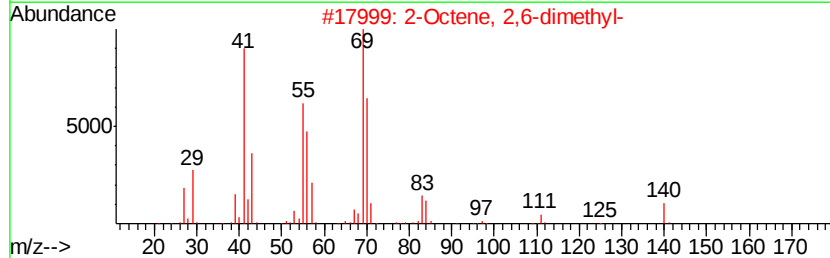
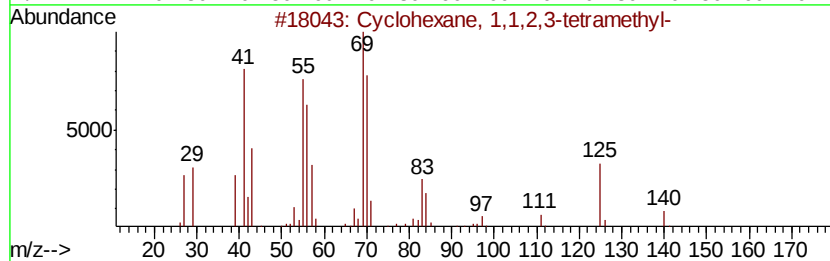
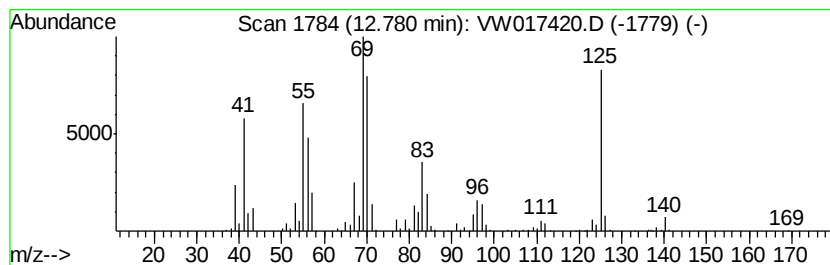
Instrument :
MSVOA_W
ClientSampleId :
C0AD1

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Quant Title : VOC Analysis

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

Peak Number 8 (DEL) Alkane: Cyclic12.78 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.78	25.24 ug/L	303665	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	64
3		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	60
4		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	47
5		5-Decene	140	C10H20	019689-19-1	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

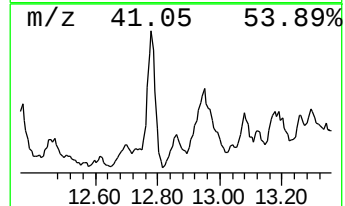
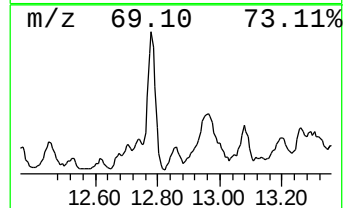
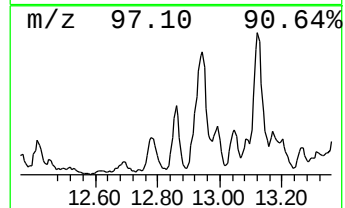
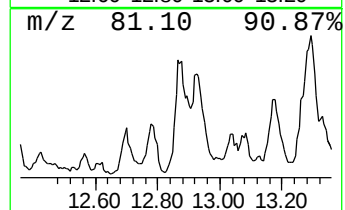
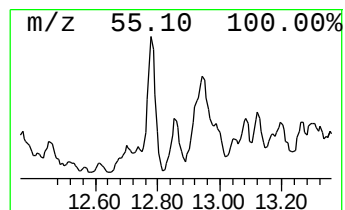
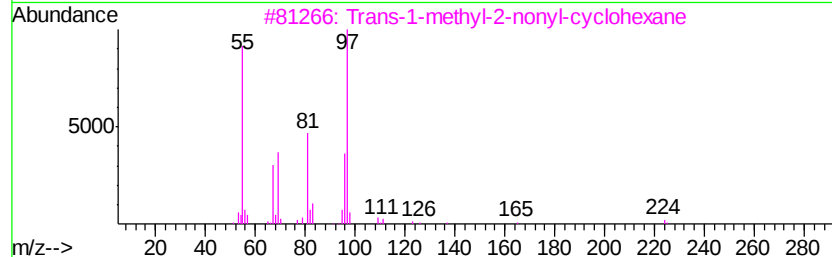
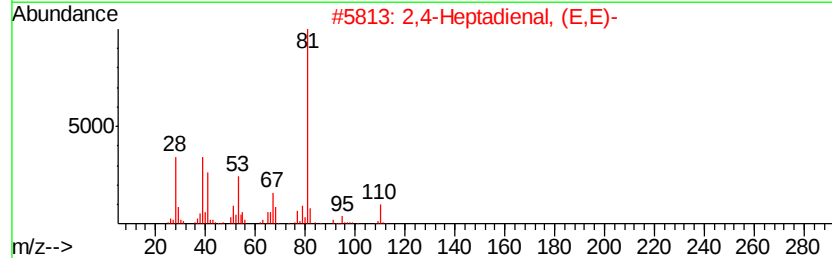
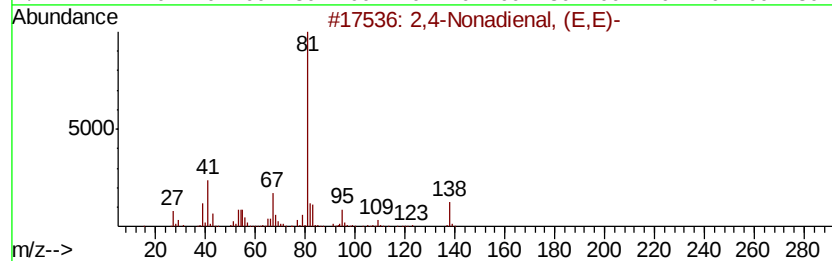
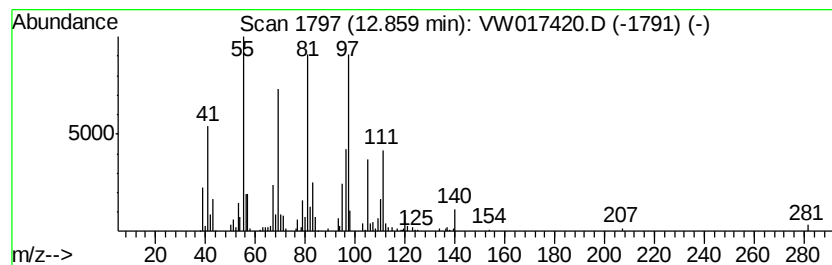
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Quant Title : VOC Analysis

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

Peak Number 9 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	9.96 ug/L	119803	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	38
2		2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	35
3		Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	27
4		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	006069-98-3	25
5		Cyclohexane, 1-methyl-4-(1-methyl-...	140	C10H20	001678-82-6	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

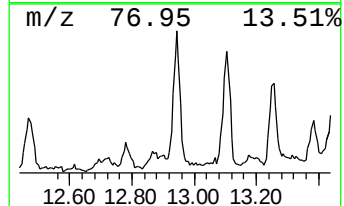
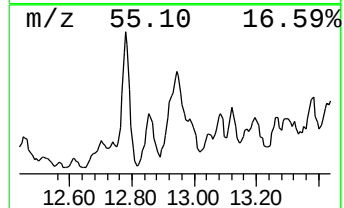
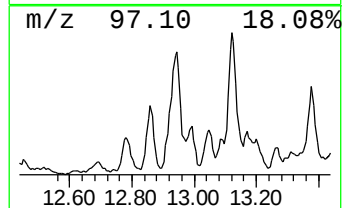
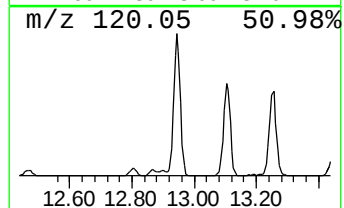
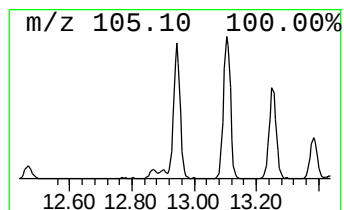
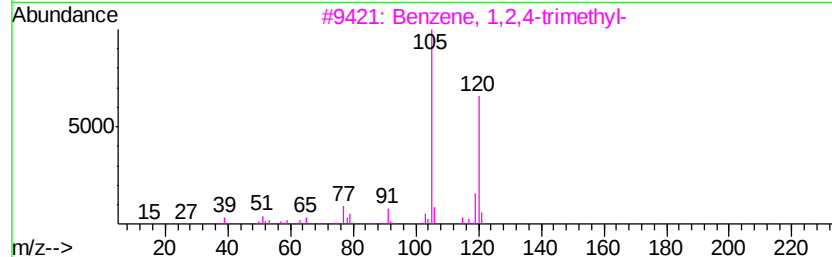
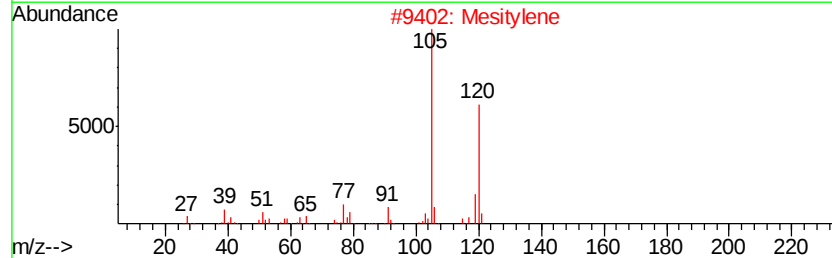
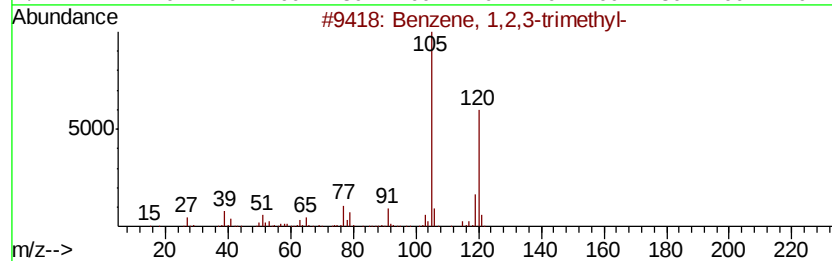
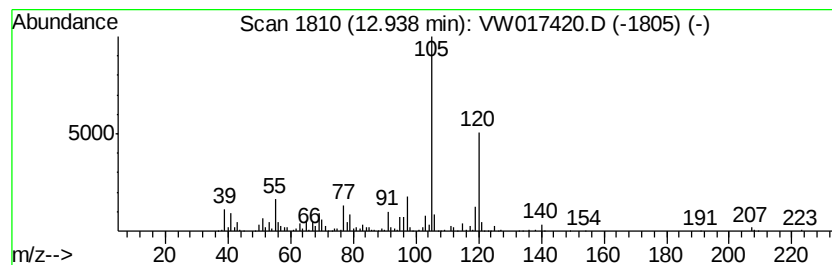
Instrument :
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ClientSampleId :
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Quant Title : VOC Analysis

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

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.94	40.70 ug/L	489702	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Mesitylene	120	C9H12	000108-67-8	94
5	Mesitylene	120	C9H12	000108-67-8	93



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

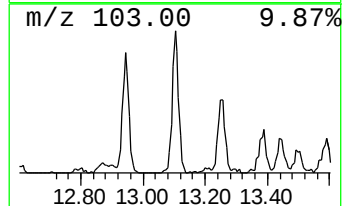
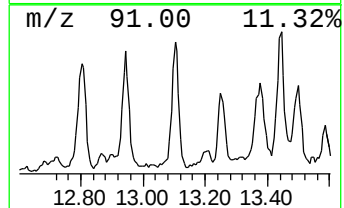
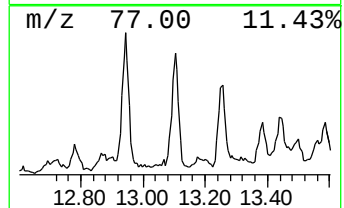
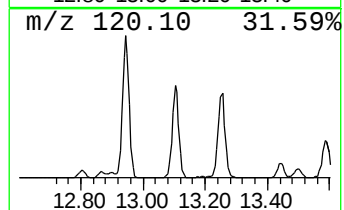
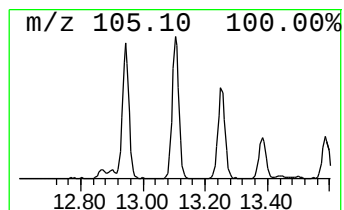
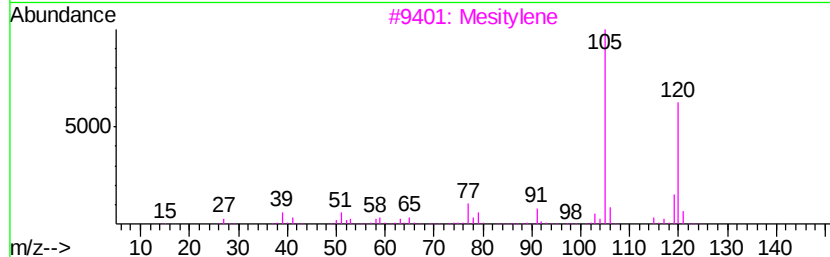
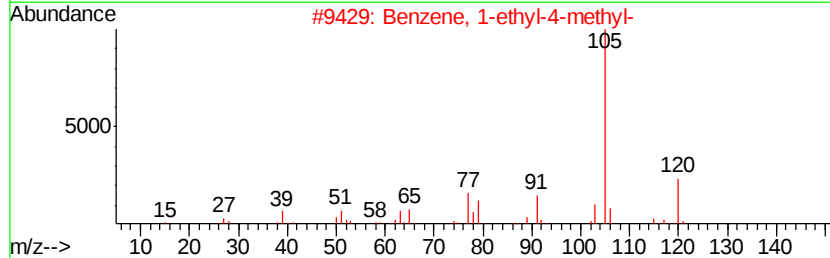
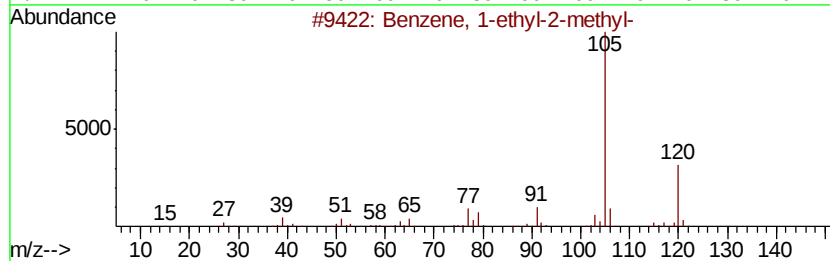
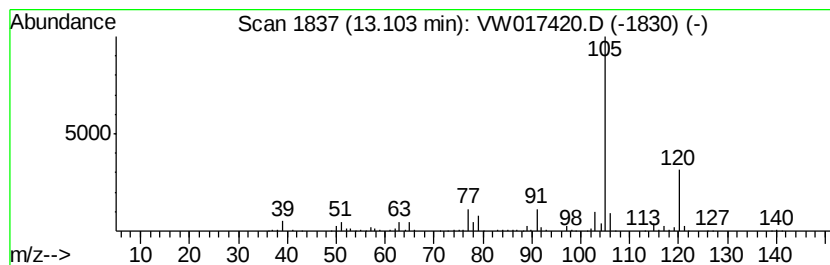
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Quant Title : VOC Analysis

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

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	21.98 ug/L	264451	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	94
2		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

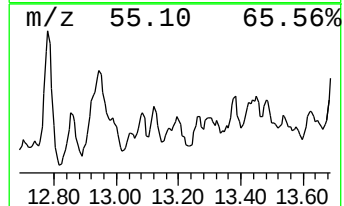
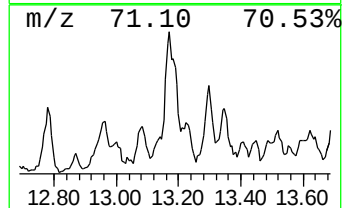
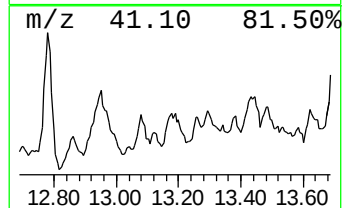
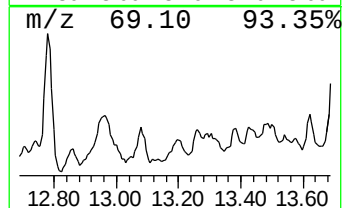
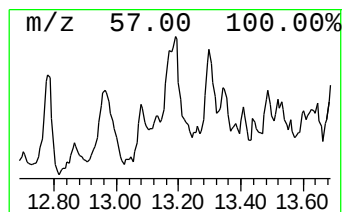
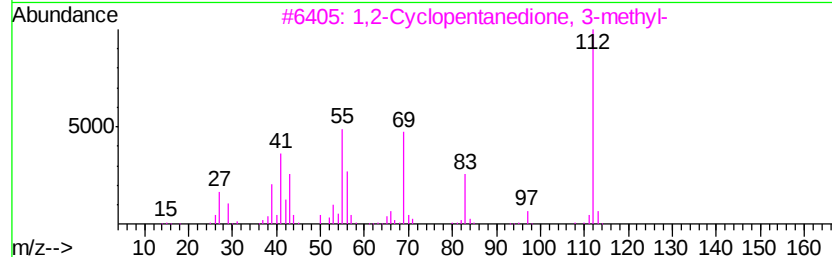
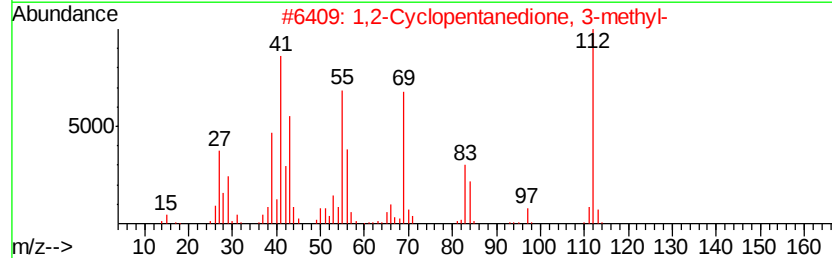
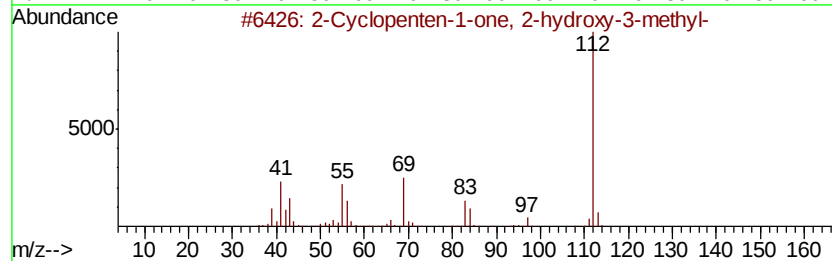
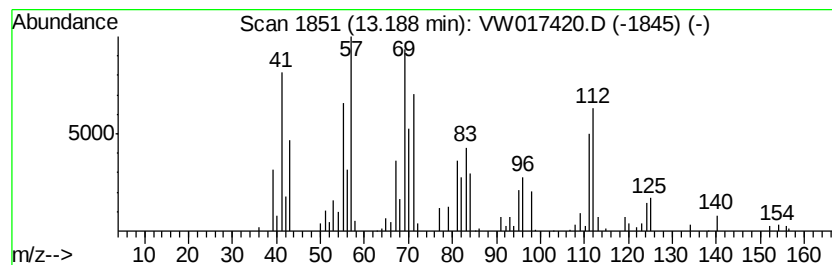
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Quant Title : VOC Analysis

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

Peak Number 12 2-Cyclopenten-1-one, 2-hydr... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	8.73 ug/L	105060	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Cyclopenten-1-one, 2-hydroxy-3-methyl-	112	C6H8O2	000080-71-7	50
2		1,2-Cyclopentanedione, 3-methyl-	112	C6H8O2	000765-70-8	50
3		1,2-Cyclopentanedione, 3-methyl-	112	C6H8O2	000765-70-8	46
4		2-Cyclopenten-1-one, 2-hydroxy-3-methyl-	112	C6H8O2	000080-71-7	43
5		2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

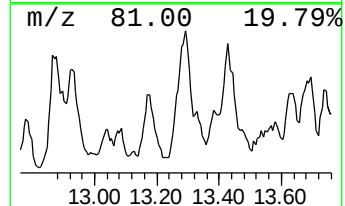
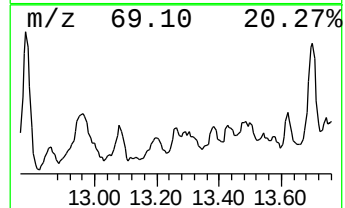
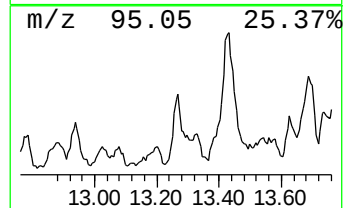
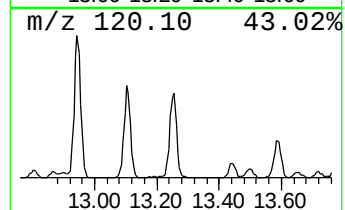
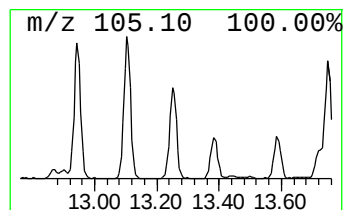
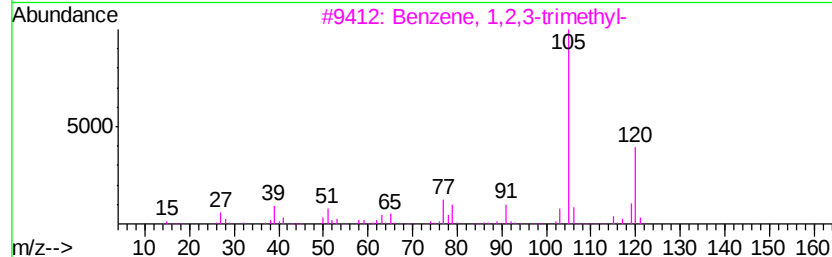
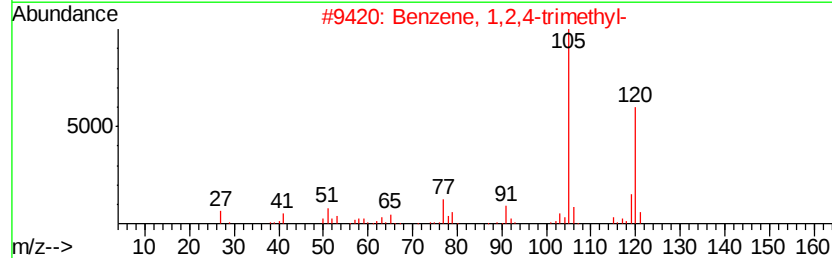
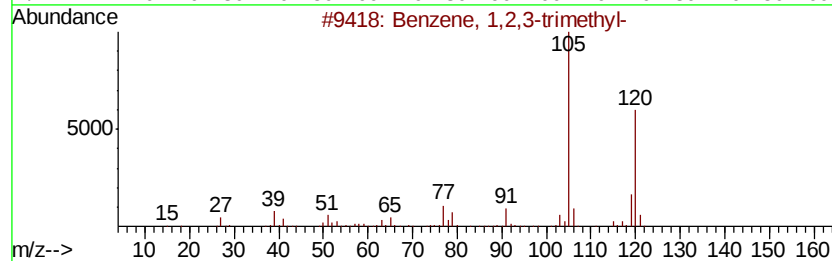
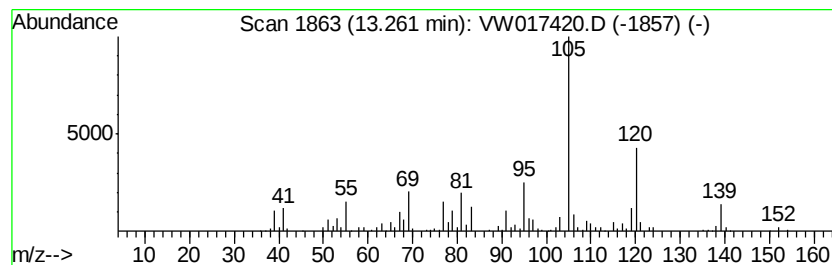
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Quant Title : VOC Analysis

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

Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	15.54 ug/L	186948	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	95
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:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

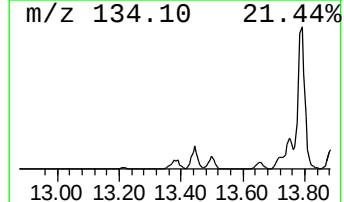
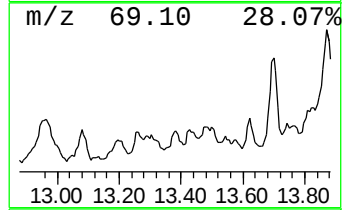
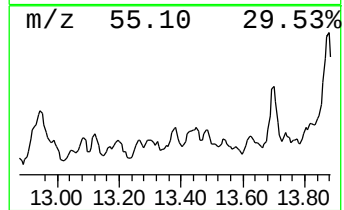
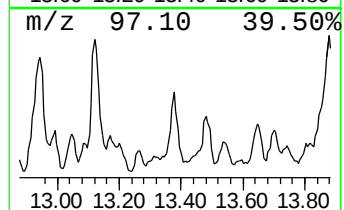
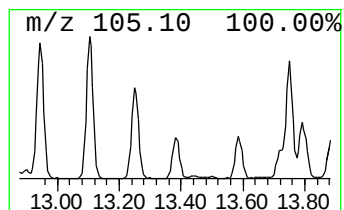
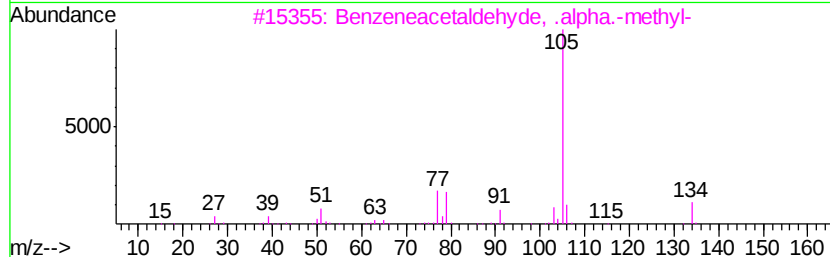
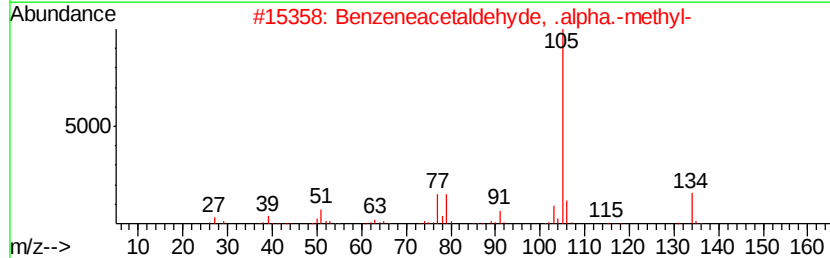
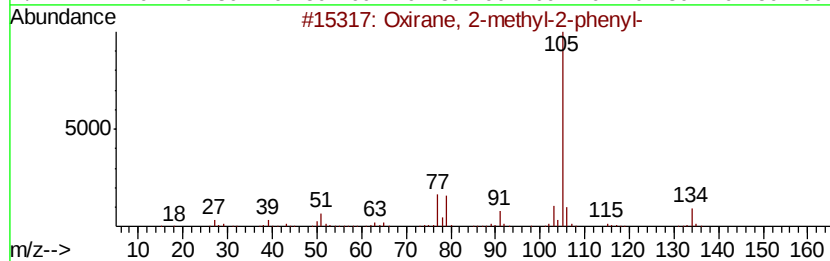
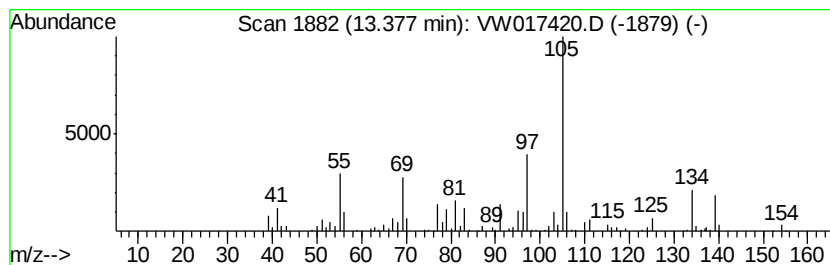
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Quant Title : VOC Analysis

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

Peak Number 14 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	6.63 ug/L	79763	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	38
2		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	30
3		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	30
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	30
5		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

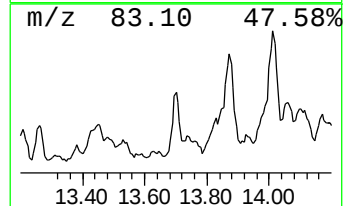
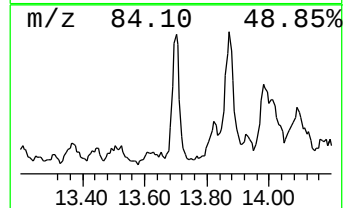
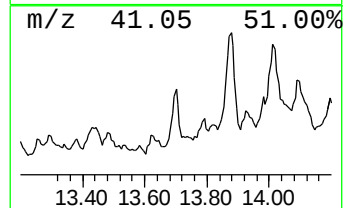
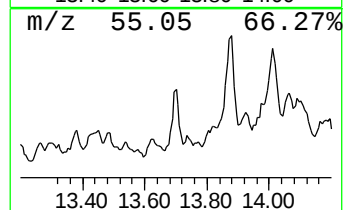
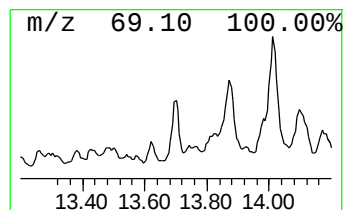
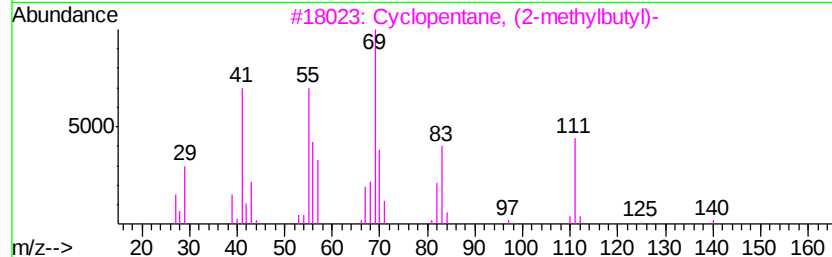
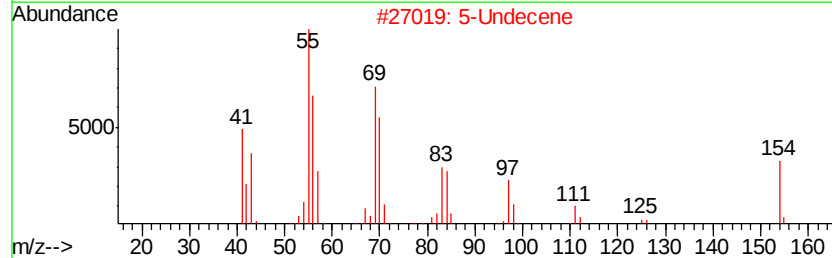
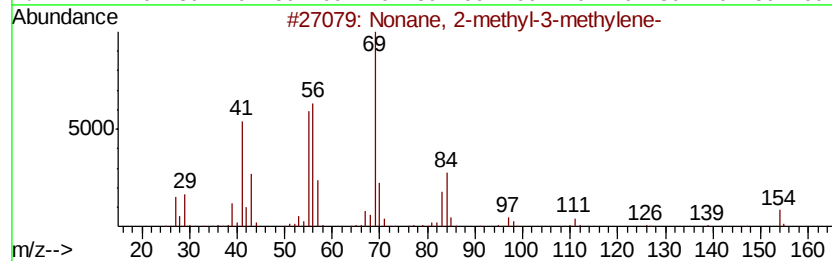
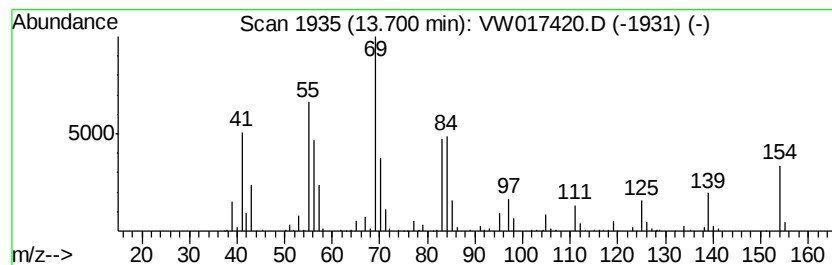
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Quant Title : VOC Analysis

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

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	15.08 ug/L	181473	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	64
2			5-Undecene	154	C11H22	004941-53-1	59
3			Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	46
4			Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	43
5			Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

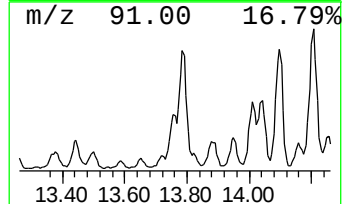
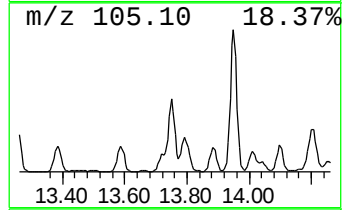
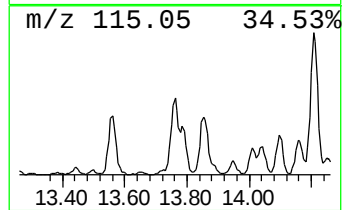
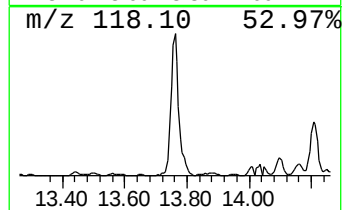
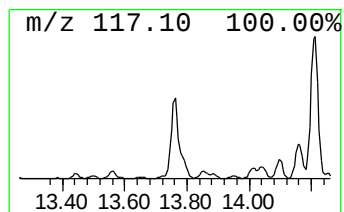
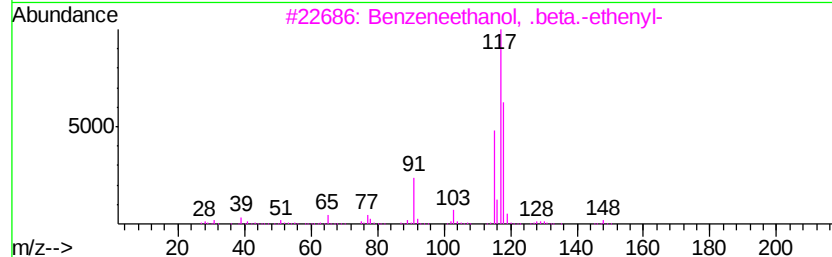
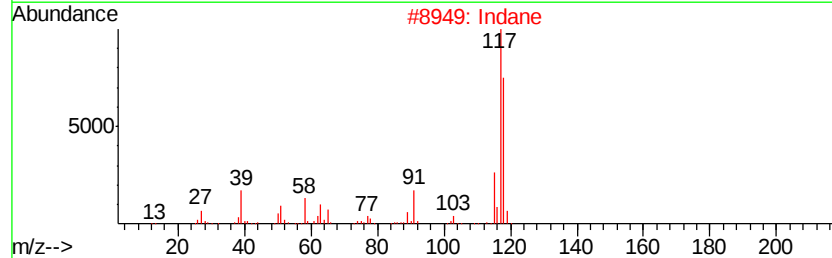
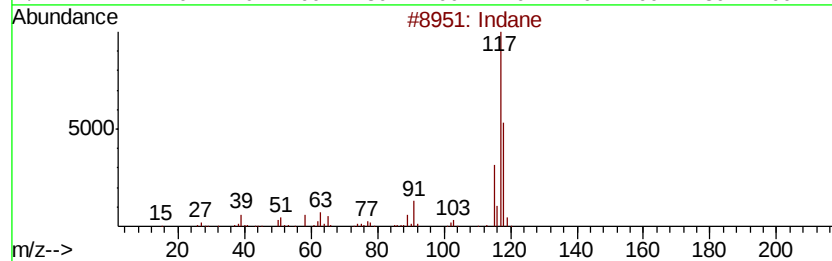
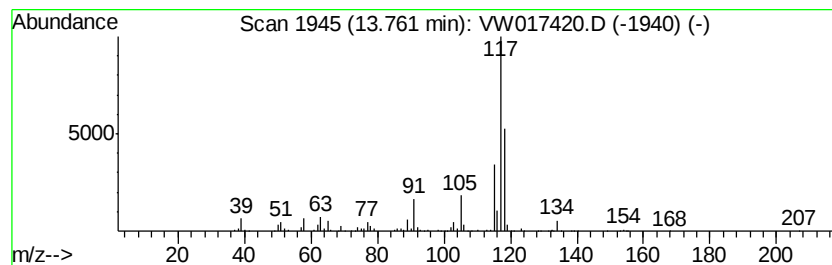
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Quant Title : VOC Analysis

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

Peak Number 16 Indane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	24.36 ug/L	293170	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indane	118	C9H10	000496-11-7	76
2		Indane	118	C9H10	000496-11-7	76
3		Benzeneethanol, .beta.-ethenvl-	148	C10H12O	006052-63-7	72
4		Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5		Benzene, 2-propenyl-	118	C9H10	000300-57-2	68



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

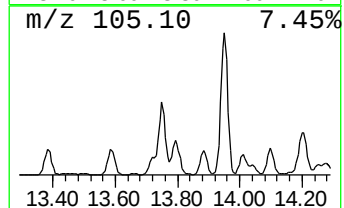
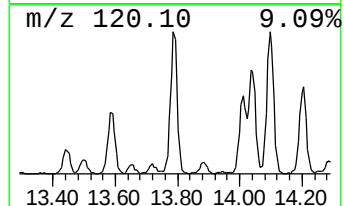
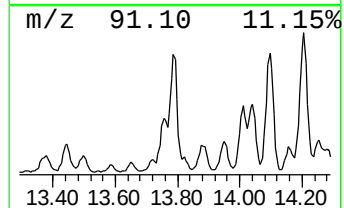
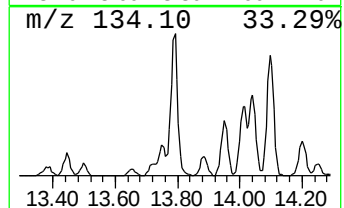
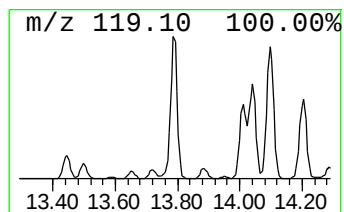
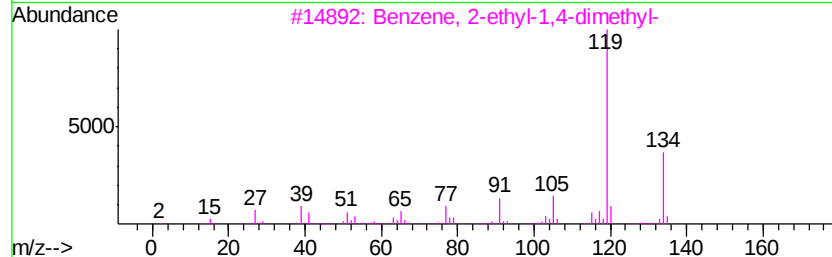
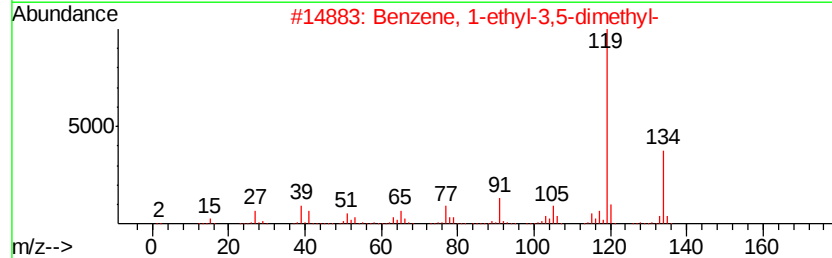
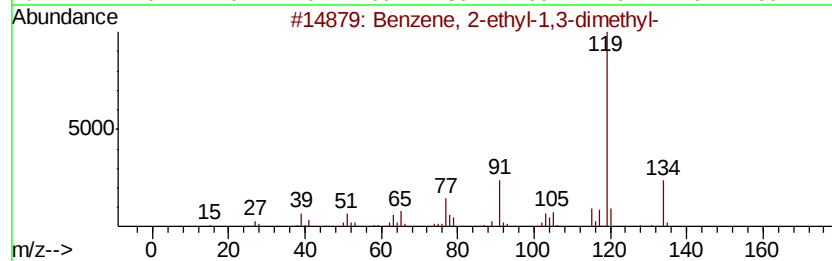
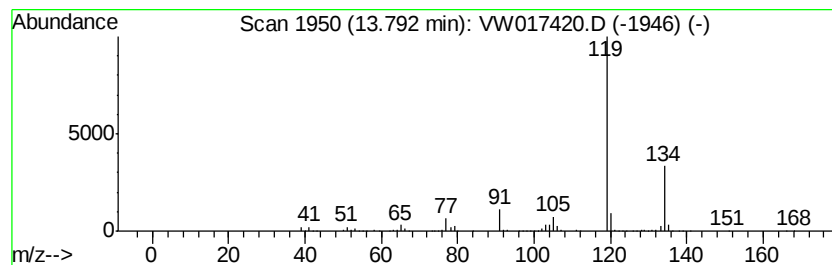
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Quant Title : VOC Analysis

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

Peak Number 17 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	43.44 ug/L	522685	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

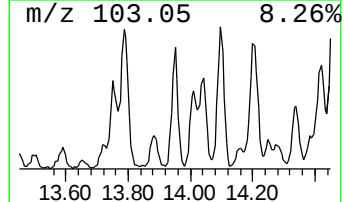
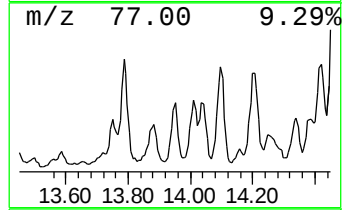
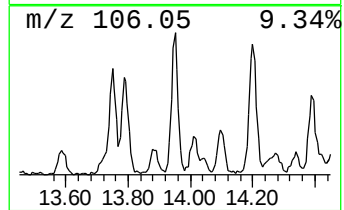
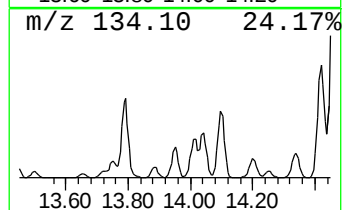
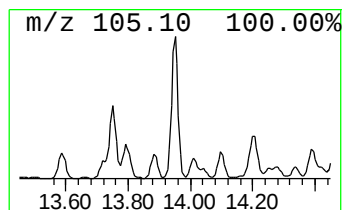
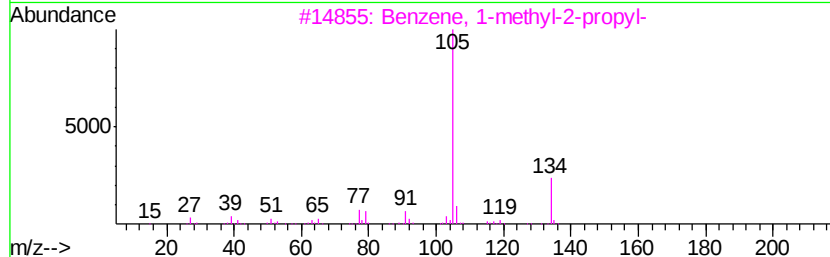
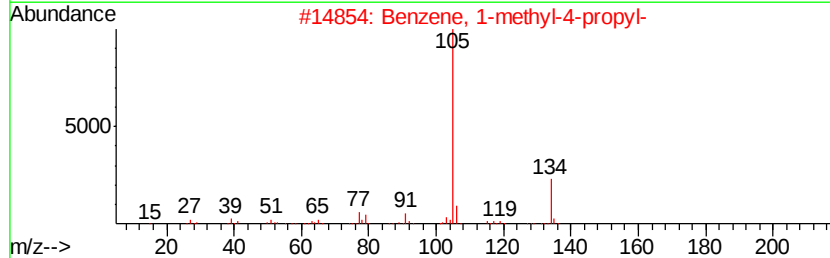
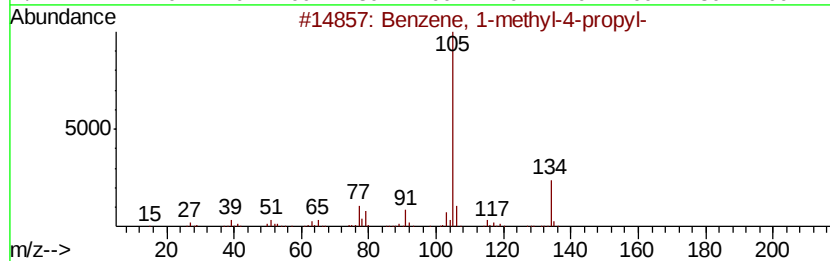
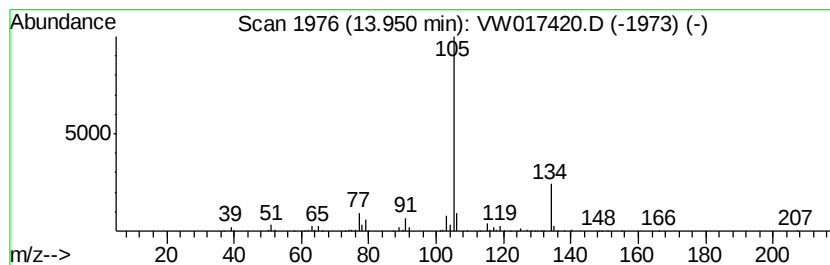
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Quant Title : VOC Analysis

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

Peak Number 18 Benzene, 1-methyl-4-propyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	12.88 ug/L	154952	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	93
2		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
4		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
 Data File : VW017420.D
 Acq On : 20 Nov 2020 16:22
 Operator : SY/VA
 Sample : L4853-02
 Misc : 4.85G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
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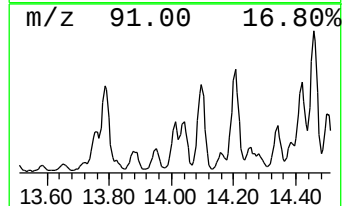
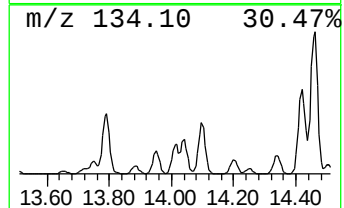
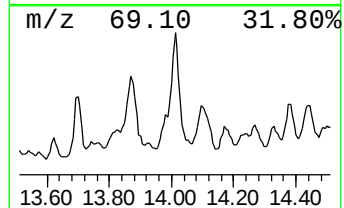
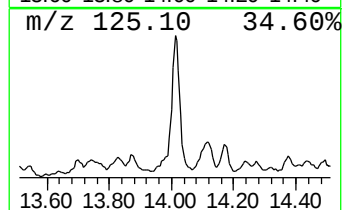
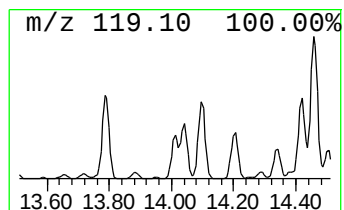
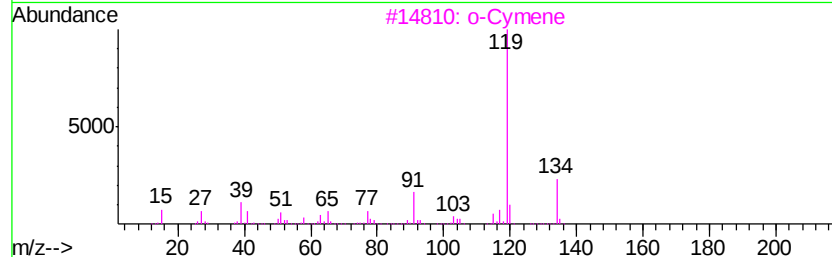
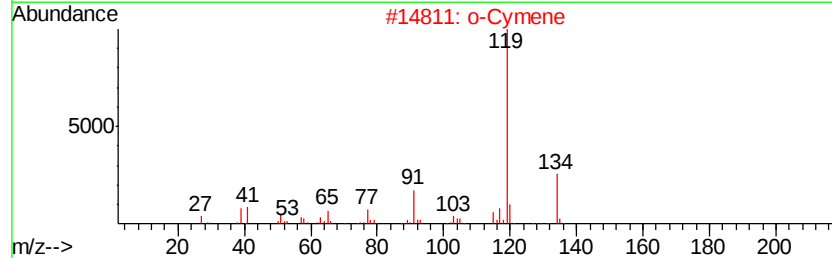
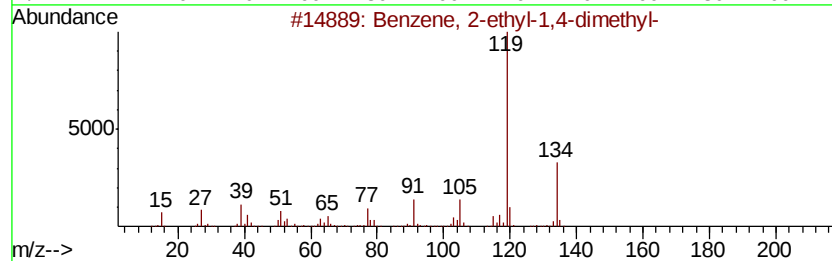
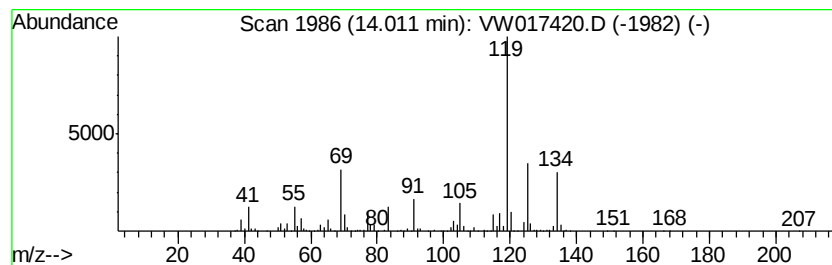
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 Quant Title : VOC Analysis

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

 Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	40.25 ug/L	484273	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	96
2		o-Cymene	134	C10H14	000527-84-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		o-Cymene	134	C10H14	000527-84-4	95
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

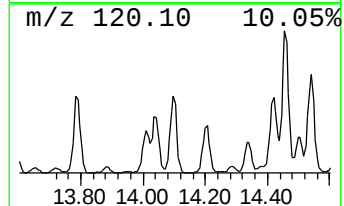
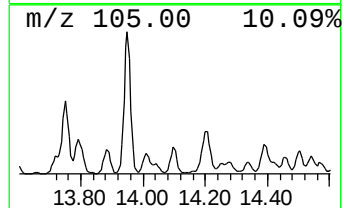
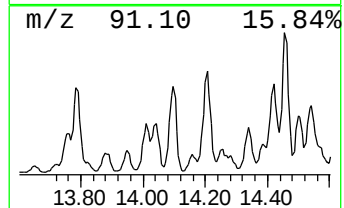
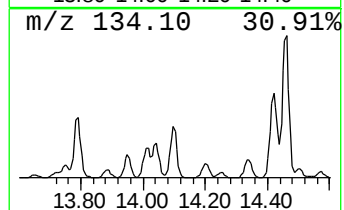
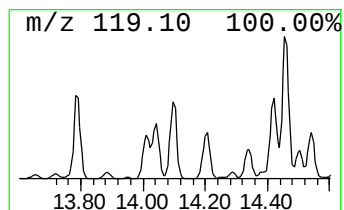
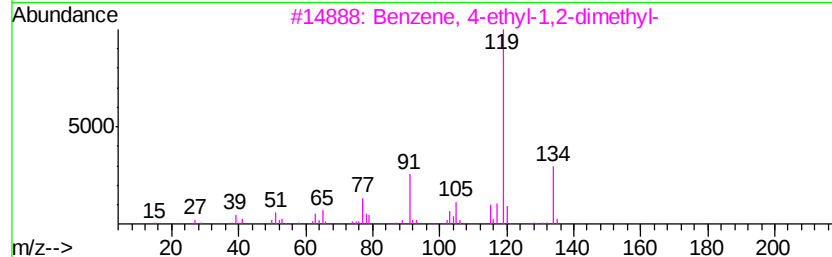
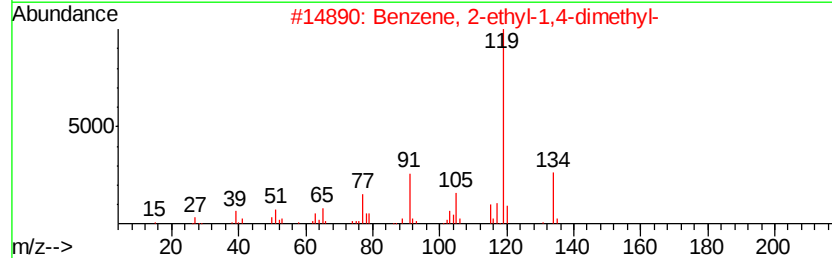
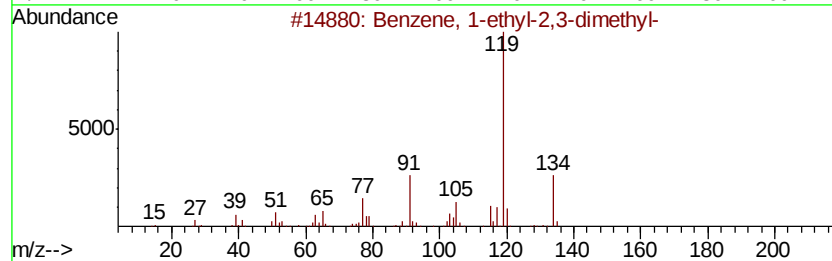
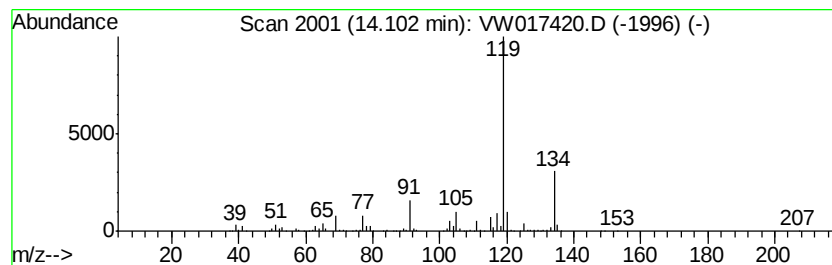
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Quant Title : VOC Analysis

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

Peak Number 20 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	55.55 ug/L	668446	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

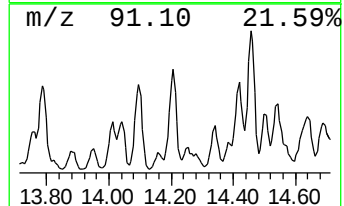
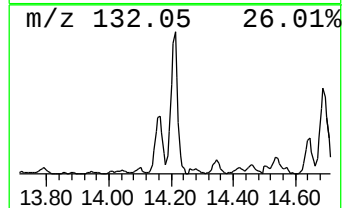
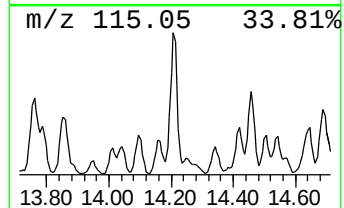
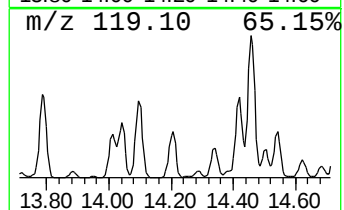
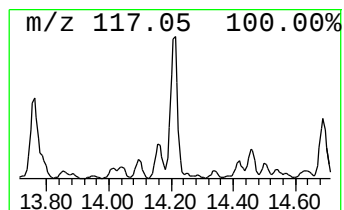
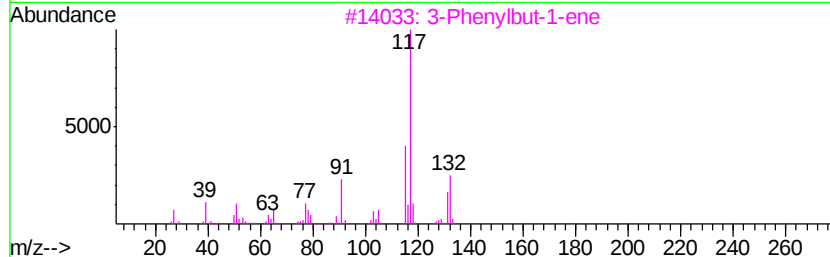
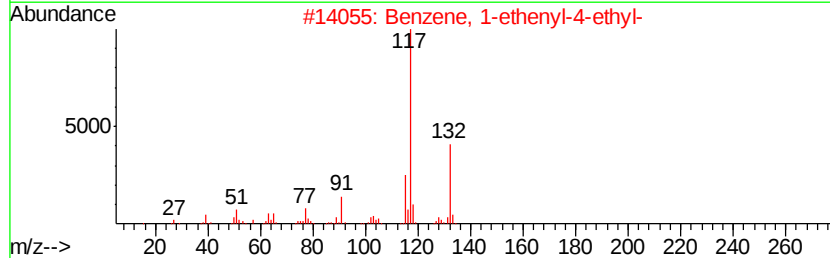
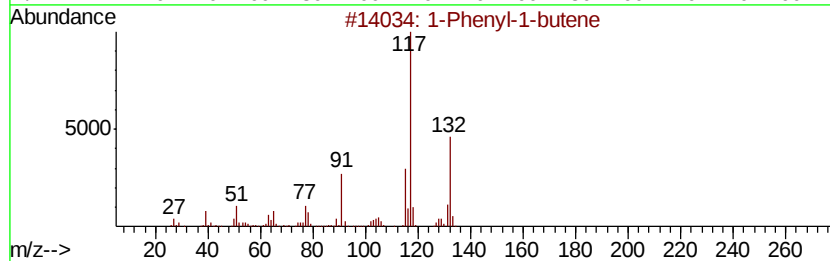
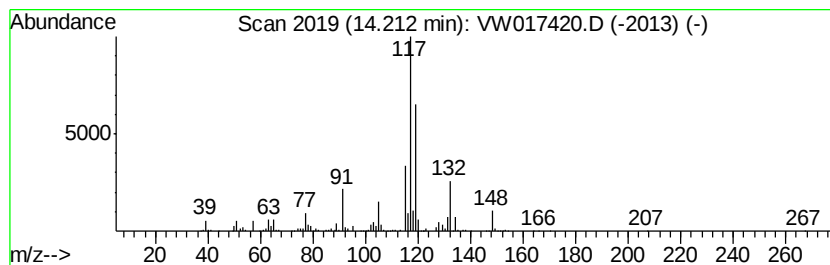
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Quant Title : VOC Analysis

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

Peak Number 21 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	57.17 ug/L	687961	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Phenyl-1-butene	132	C10H12	000824-90-8	50
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	50
3			3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
4			Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	49
5			Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

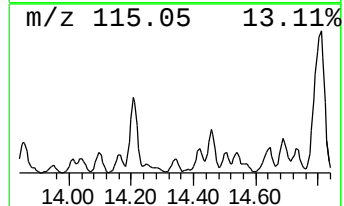
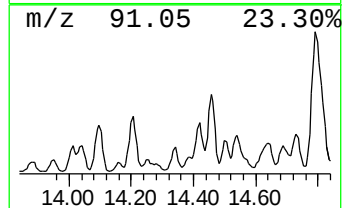
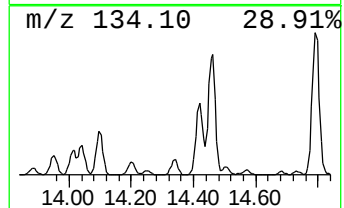
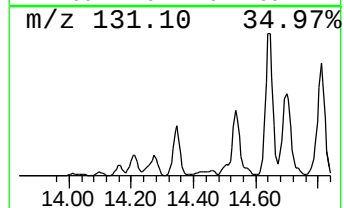
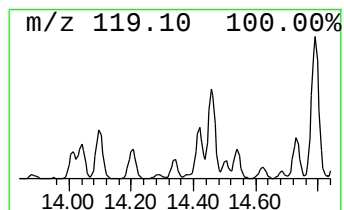
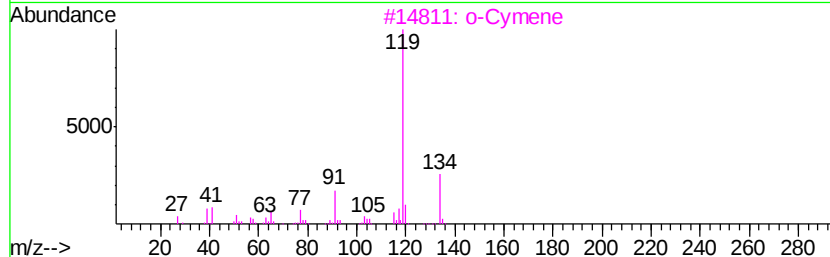
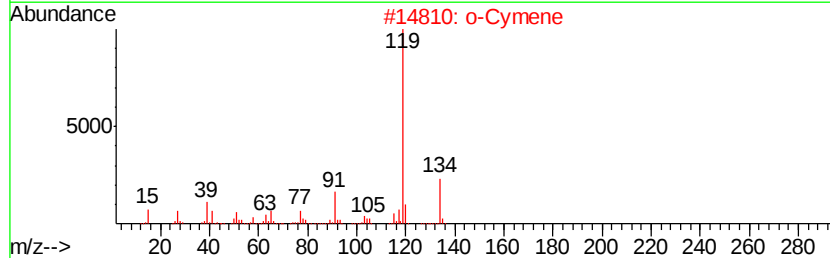
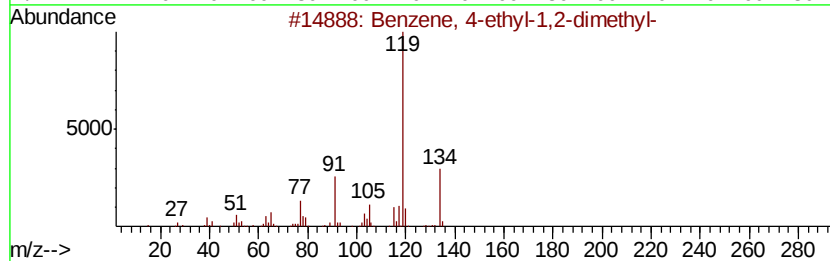
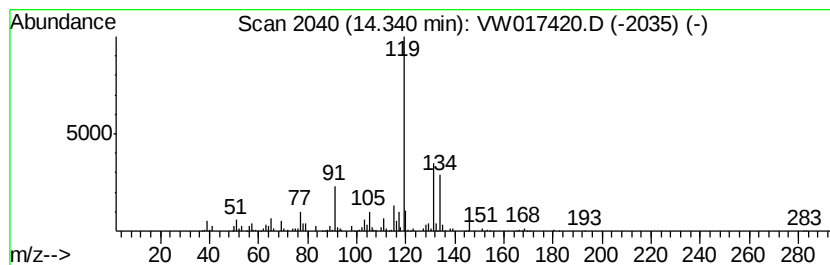
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Quant Title : VOC Analysis

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

Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	25.94 ug/L	312176	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		o-Cymene	134	C10H14	000527-84-4	93
3		o-Cymene	134	C10H14	000527-84-4	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	89
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	89



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

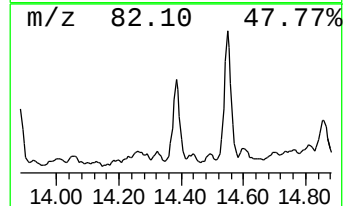
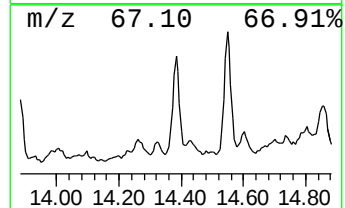
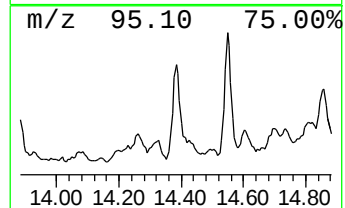
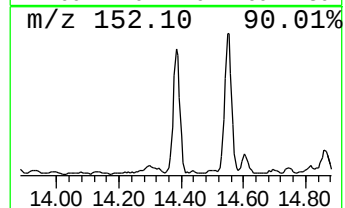
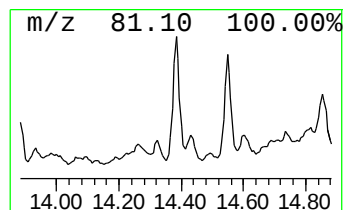
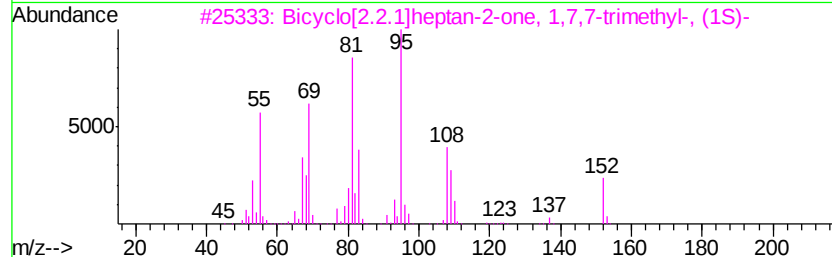
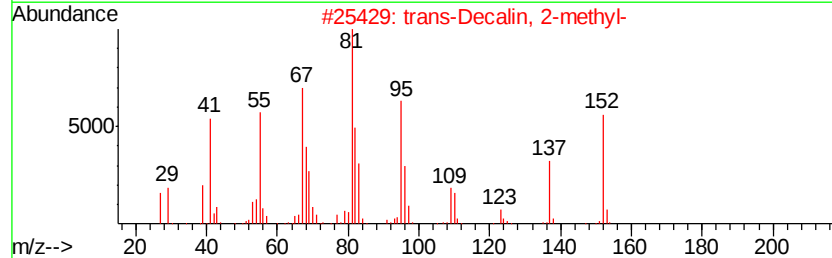
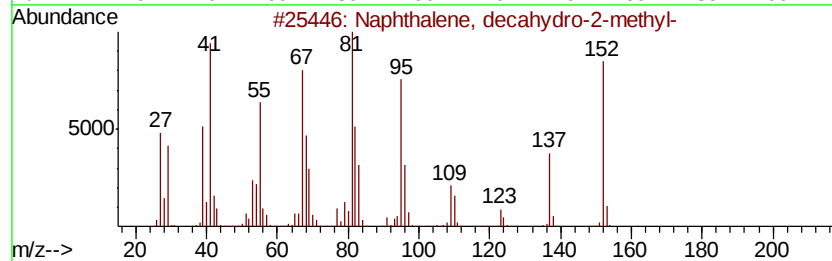
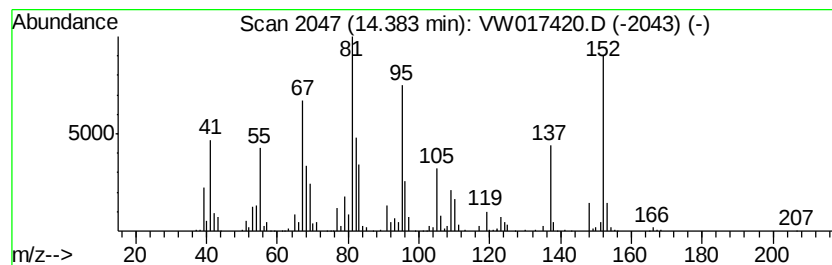
Instrument :
MSVOA_W
ClientSampleId :
C0AD1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 23 trans-Decalin, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	48.02 ug/L	577795	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 96
2		trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3 86
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 76
4		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 68
5		Pulegone	152 C10H16O	000089-82-7 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

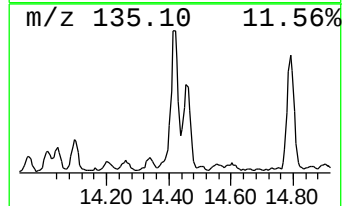
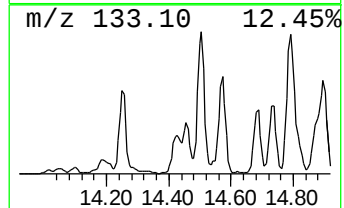
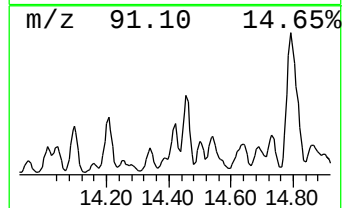
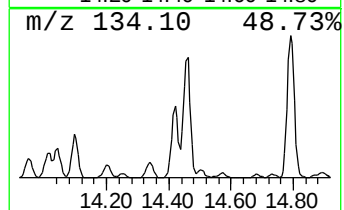
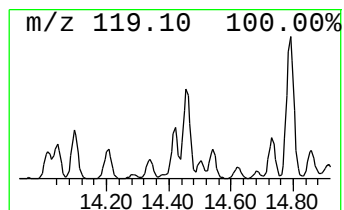
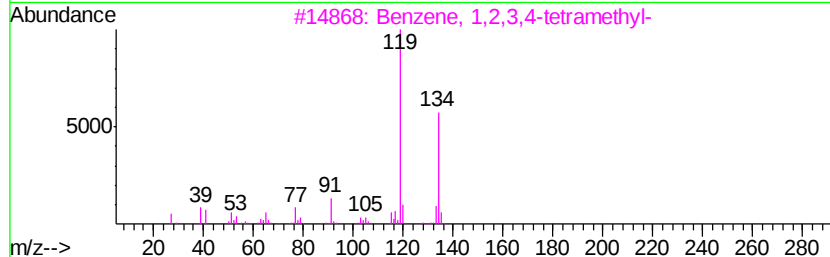
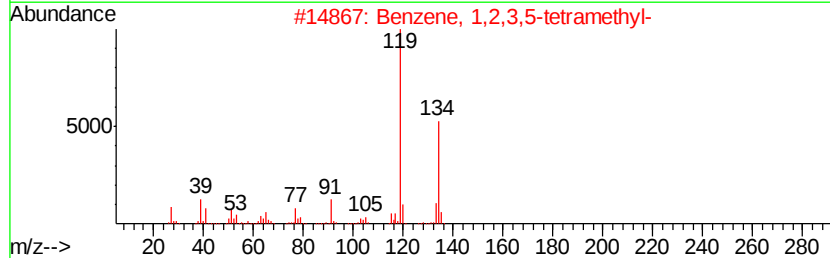
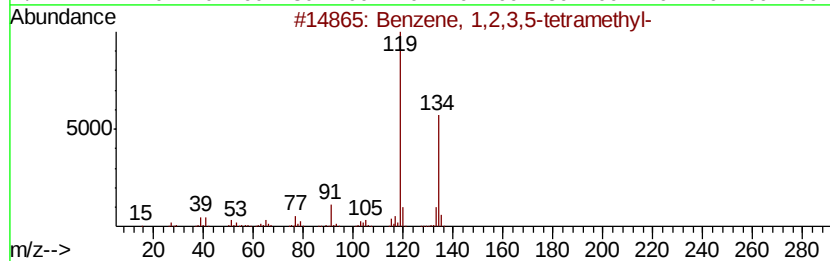
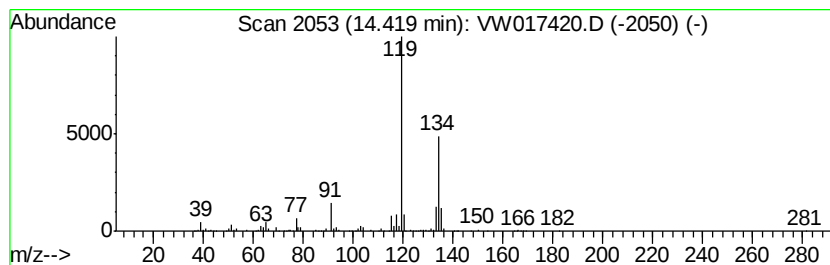
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Quant Title : VOC Analysis

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

Peak Number 24 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	57.69 ug/L	694129	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	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

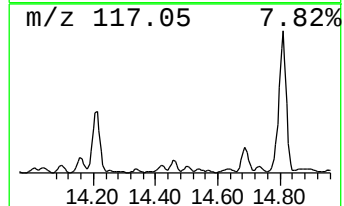
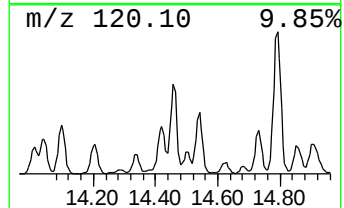
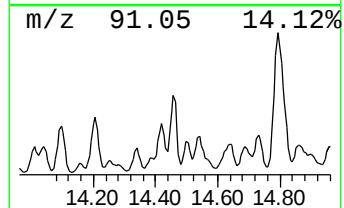
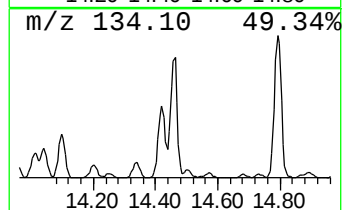
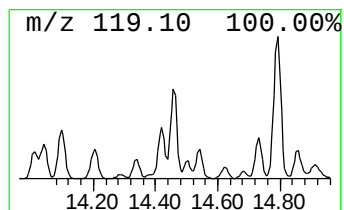
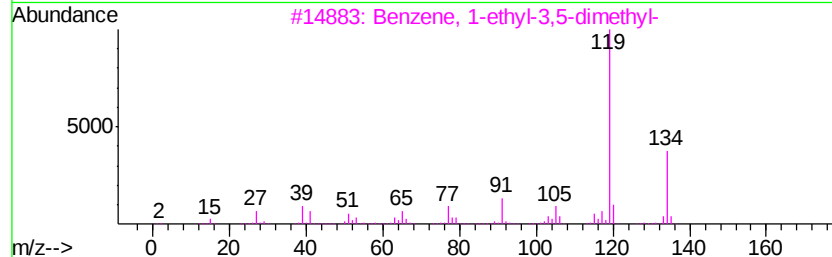
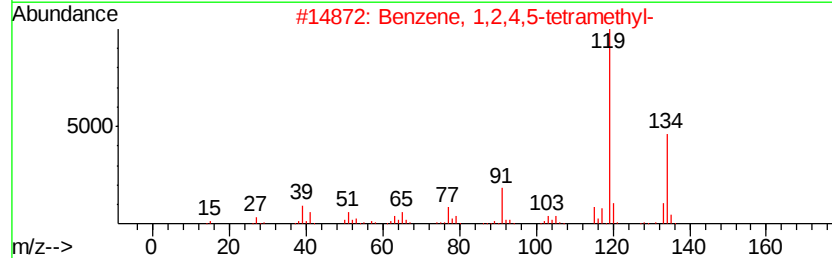
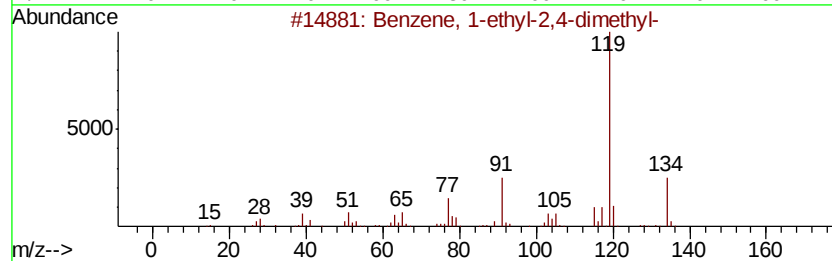
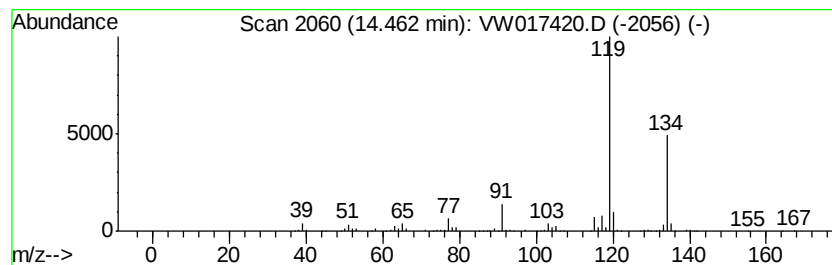
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Quant Title : VOC Analysis

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

Peak Number 25 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	82.06 ug/L	987365	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

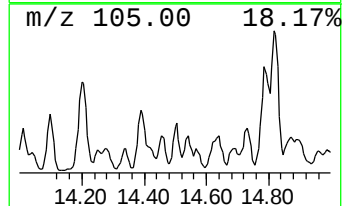
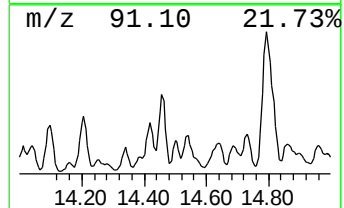
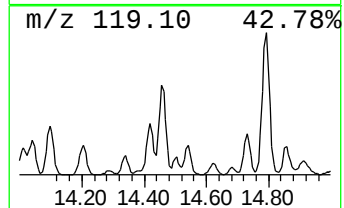
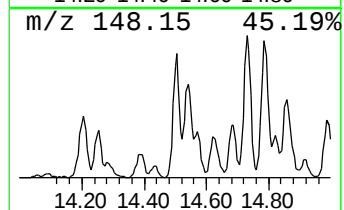
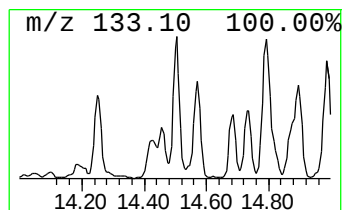
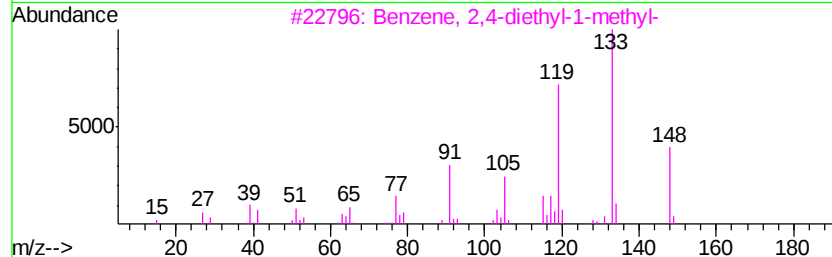
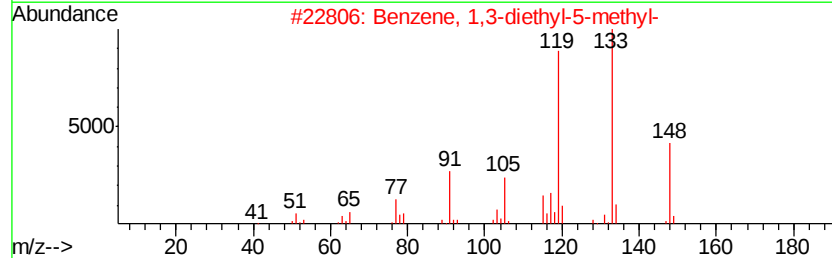
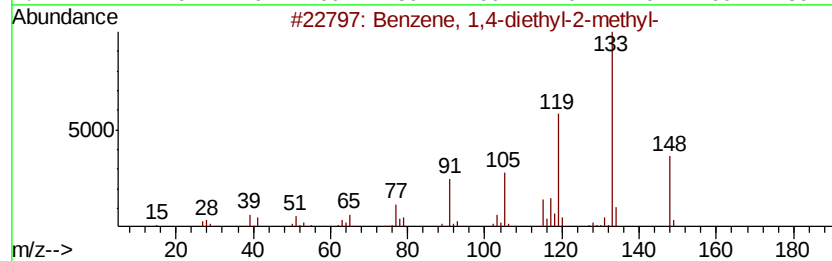
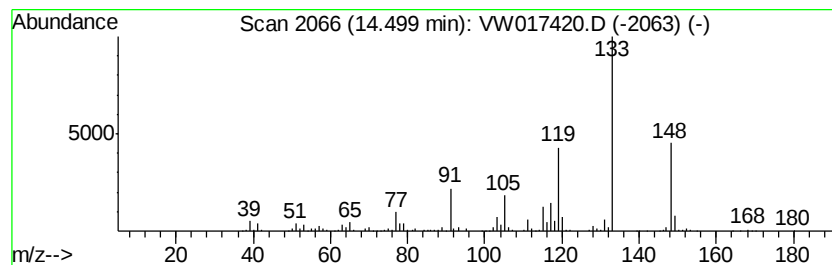
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Quant Title : VOC Analysis

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

Peak Number 26 Benzene, 2,4-diethyl-1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	27.61 ug/L	332224	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	96
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		3,4-Dimethylcumene	148	C11H16	1000370-34-1	81
5		Benzene, pentamethyl-	148	C11H16	000700-12-9	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

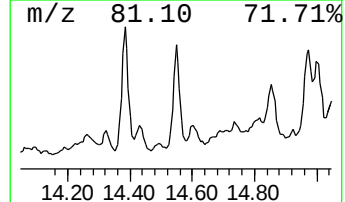
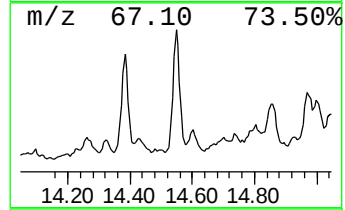
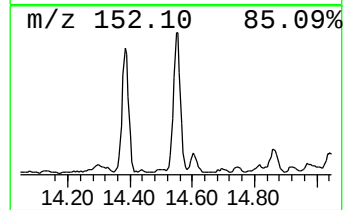
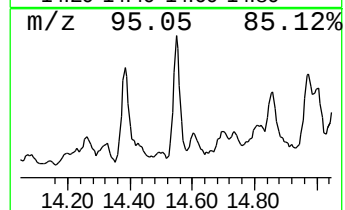
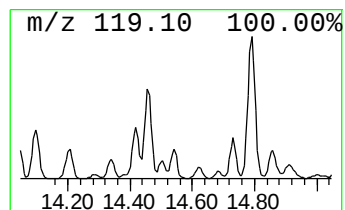
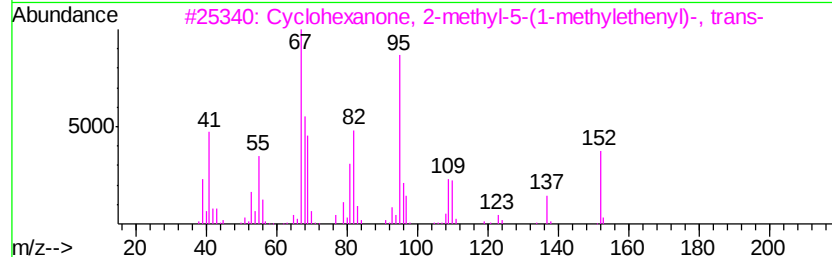
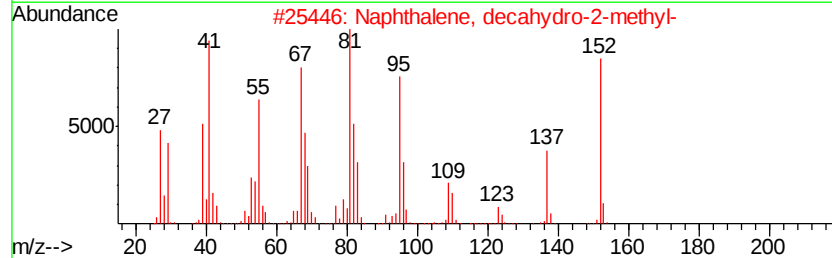
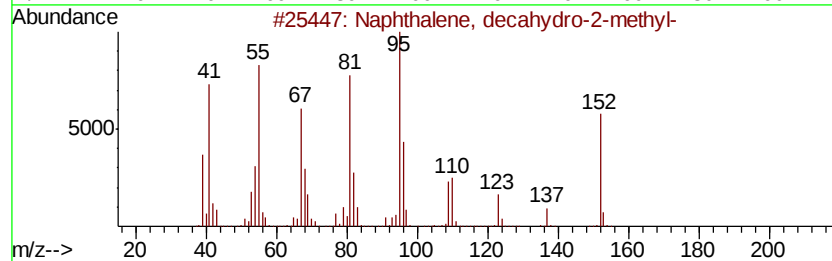
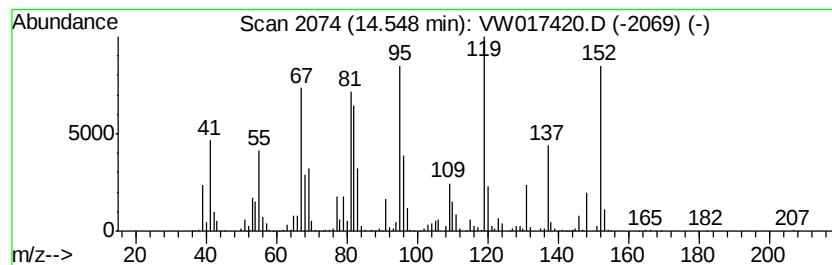
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Quant Title : VOC Analysis

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

Peak Number 27 Naphthalene, decahydro-2-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	84.74 ug/L	1019680	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64
2		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	55
3		Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	53
4		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	52
5		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

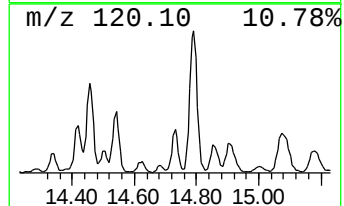
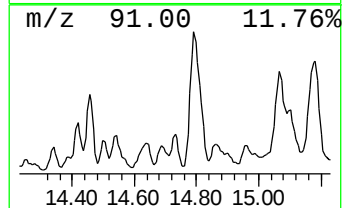
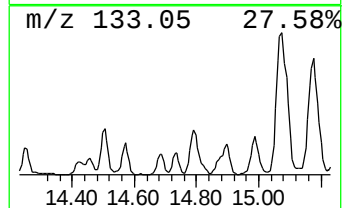
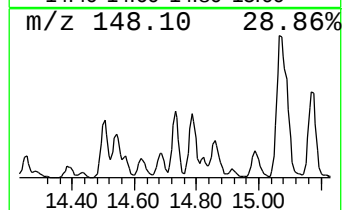
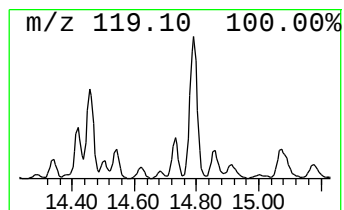
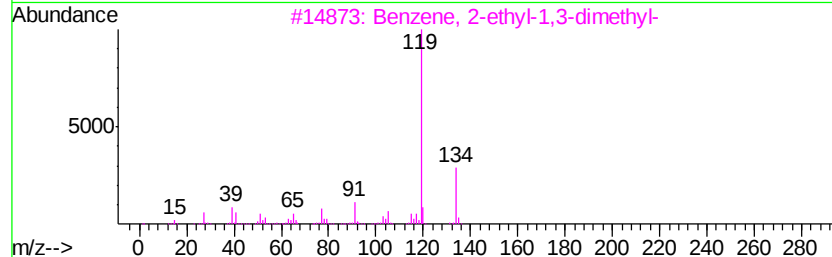
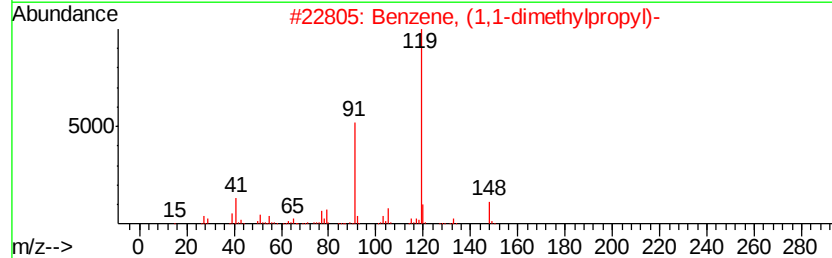
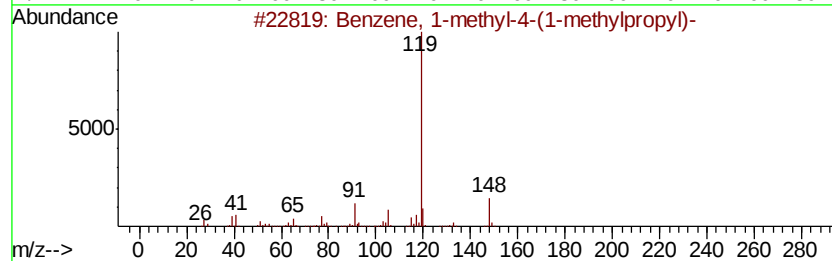
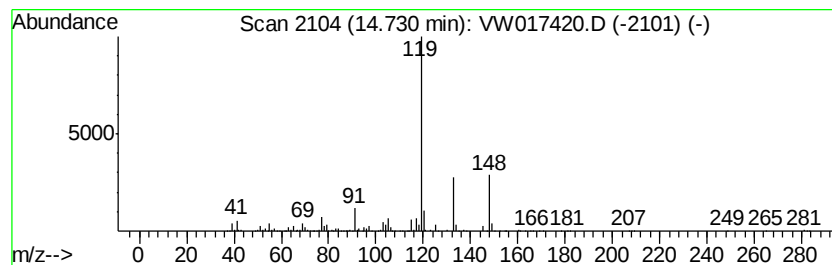
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Quant Title : VOC Analysis

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

Peak Number 28 Benzene, 1-methyl-4-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	41.85 ug/L	503569	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	64
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64
4		Benzoic acid, 2,4-dimethyl-, (2,...	268	C18H20O2	055000-43-6	59
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

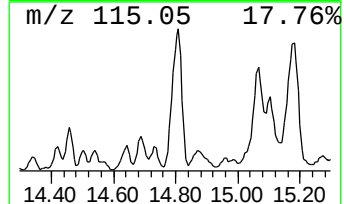
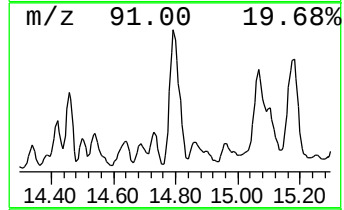
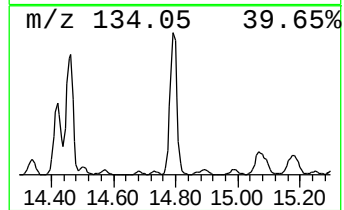
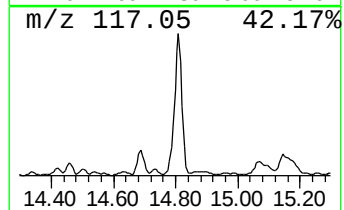
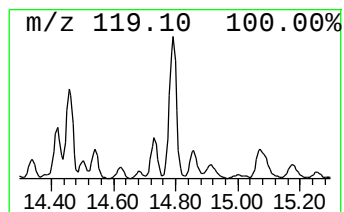
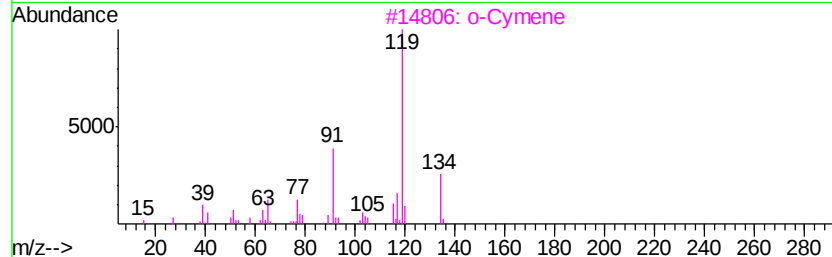
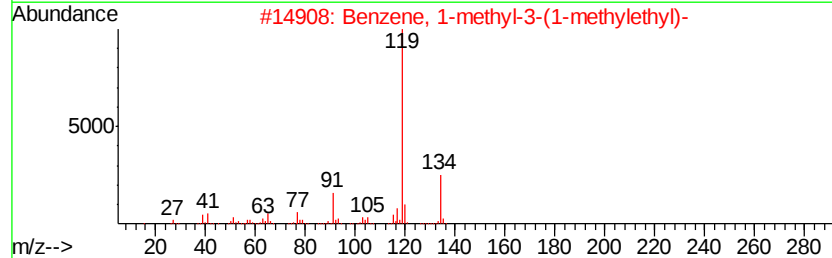
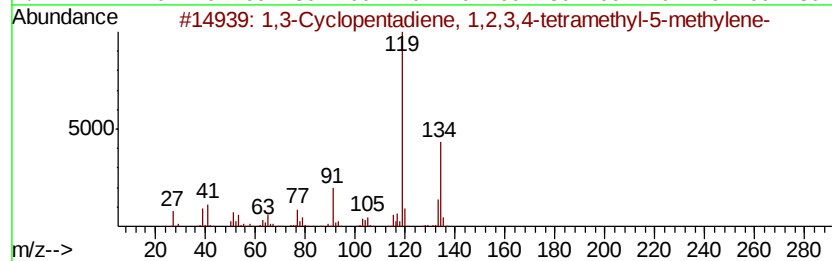
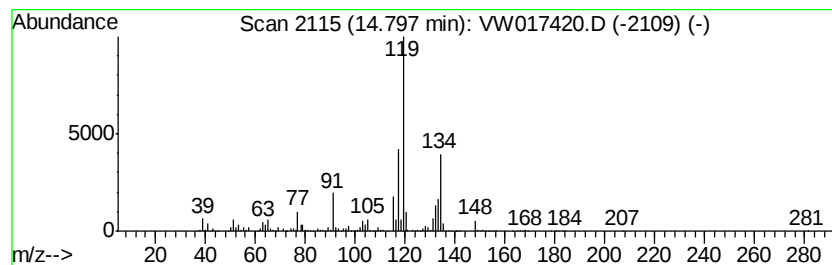
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Quant Title : VOC Analysis

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

Peak Number 29 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	262.59 ug/L	3159700	1,4-Dichlorobenzene-d4	13.56

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



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

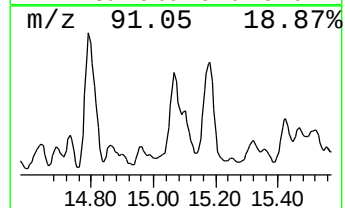
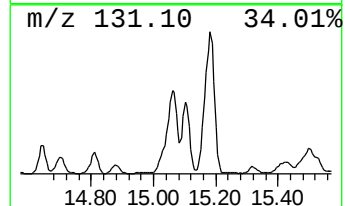
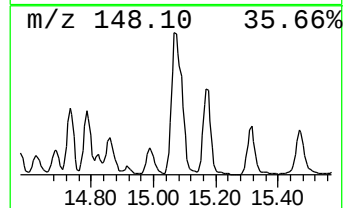
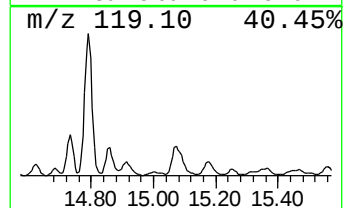
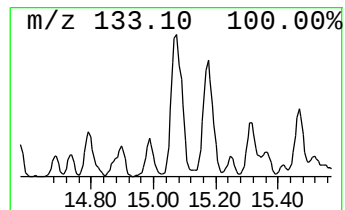
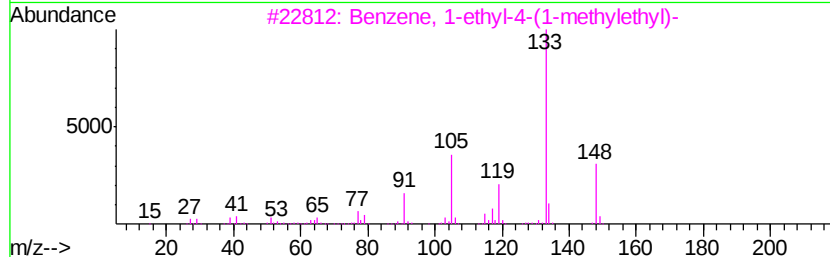
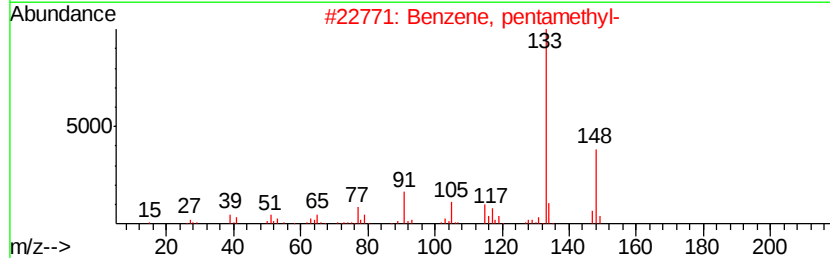
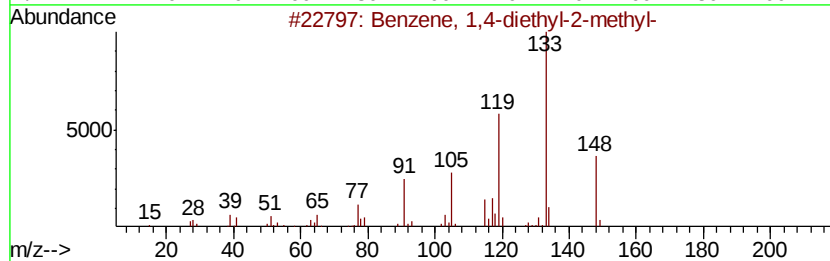
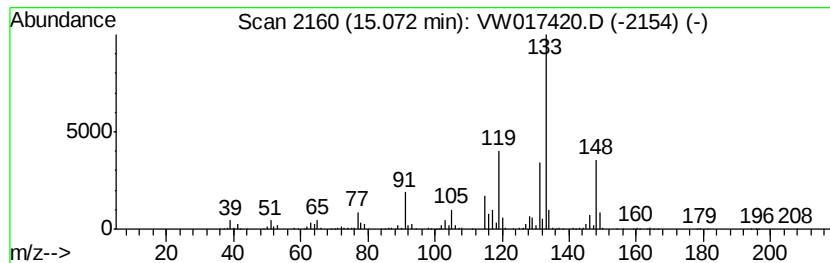
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Quant Title : VOC Analysis

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

Peak Number 30 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	154.45 ug/L	1858450	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	62
2		Benzene, pentamethyl-	148	C11H16	000700-12-9	53
3		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
4		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	49
5		Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

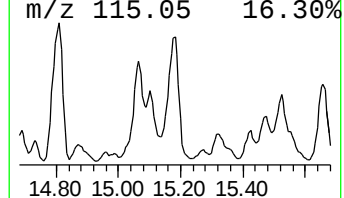
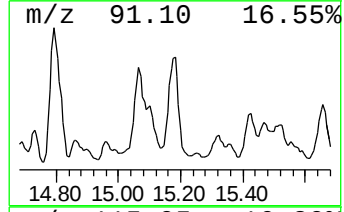
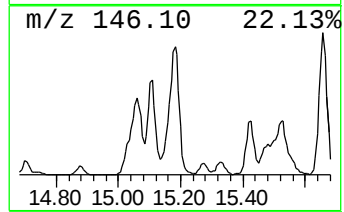
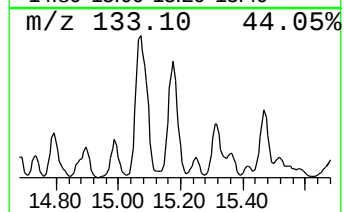
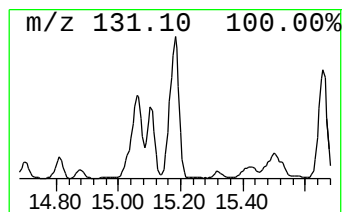
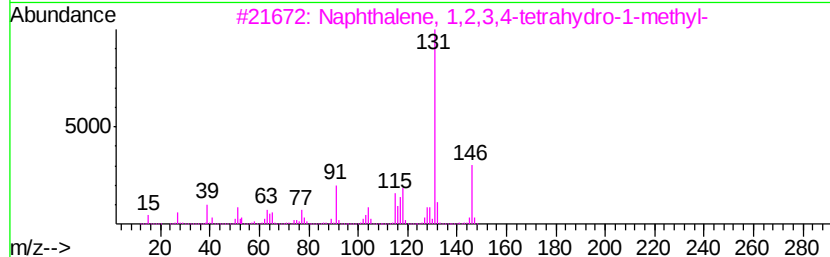
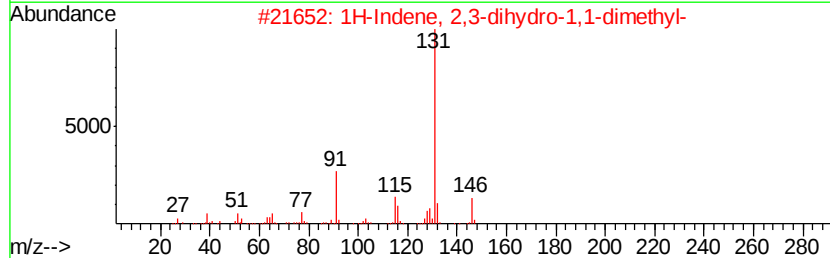
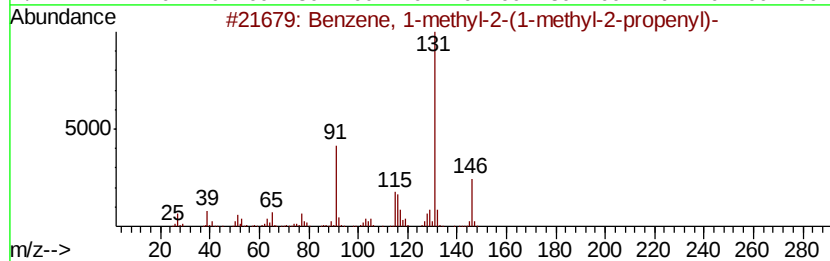
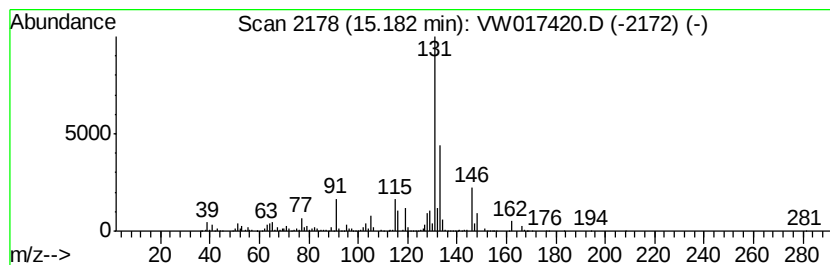
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Quant Title : VOC Analysis

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

Peak Number 31 Benzene, 1-methyl-2-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	202.22 ug/L	2433220	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	70
2		1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	64
3		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

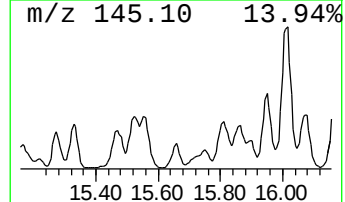
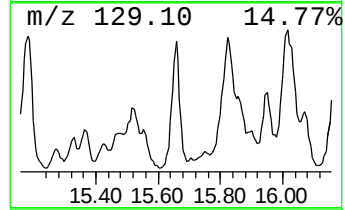
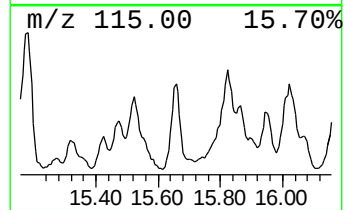
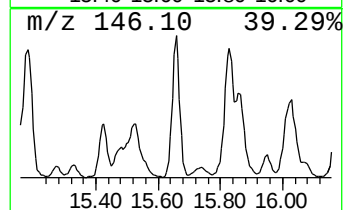
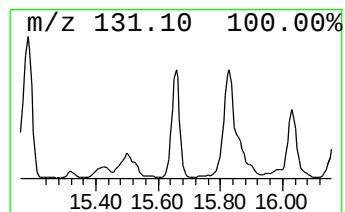
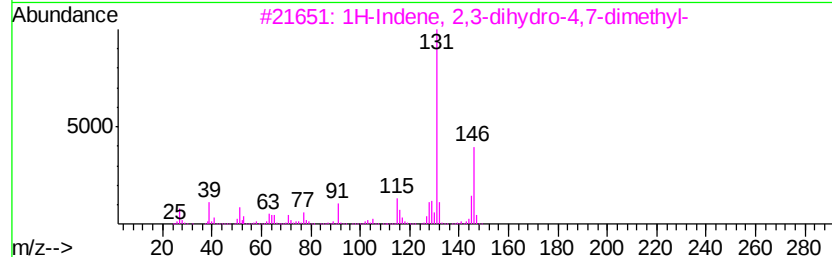
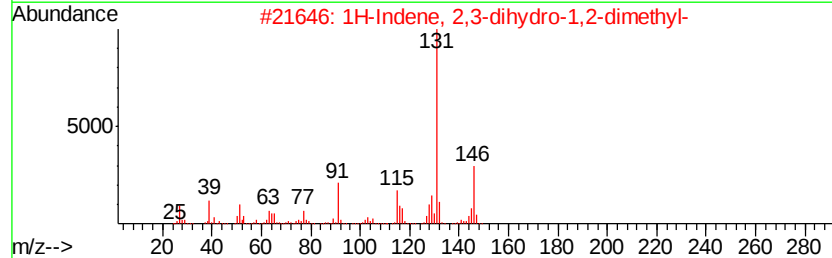
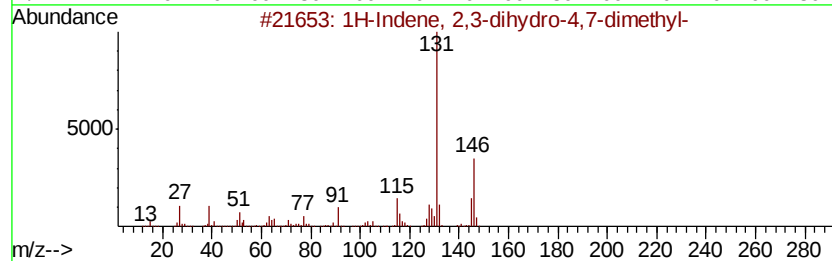
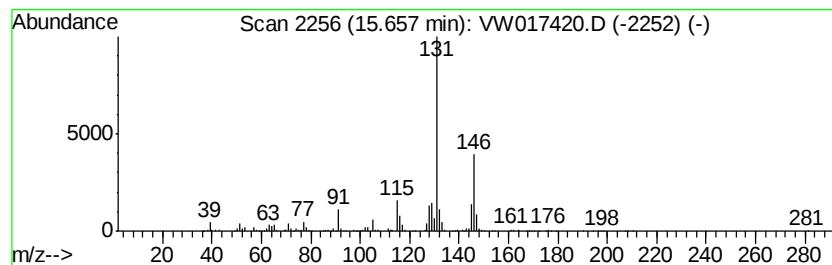
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

Peak Number 32 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	92.84 ug/L	1117170	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-1,2-dimet...	146	C11H14	017057-82-8	94
3		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
4		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	93
5		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0AD1

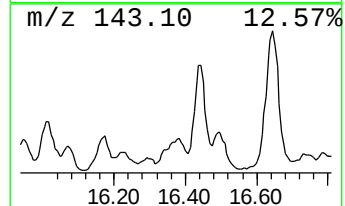
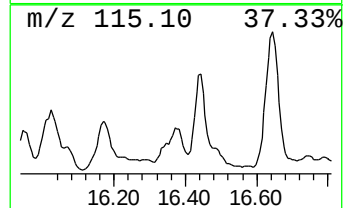
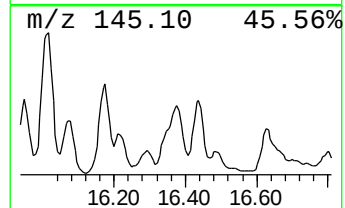
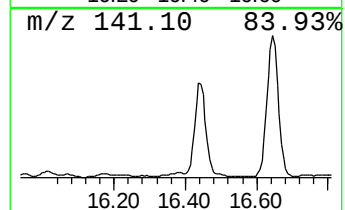
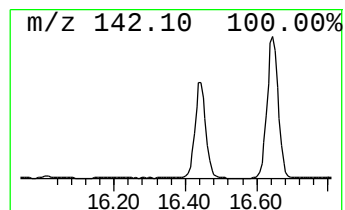
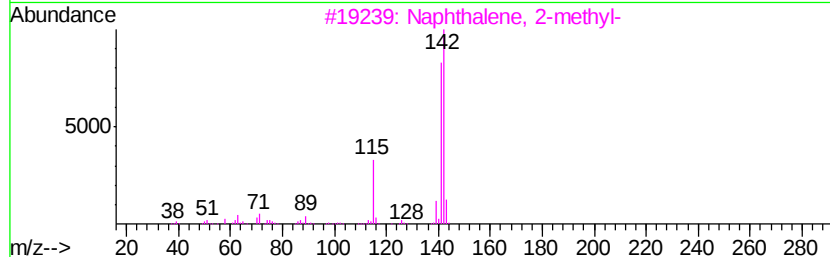
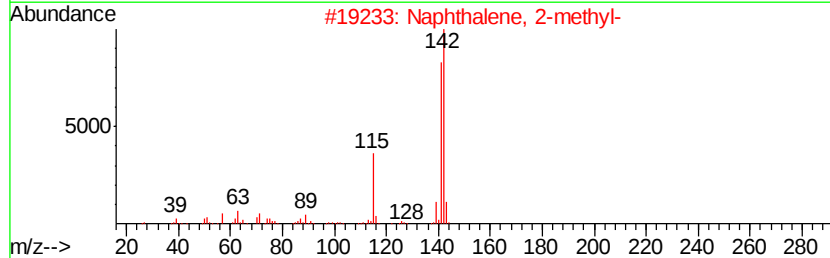
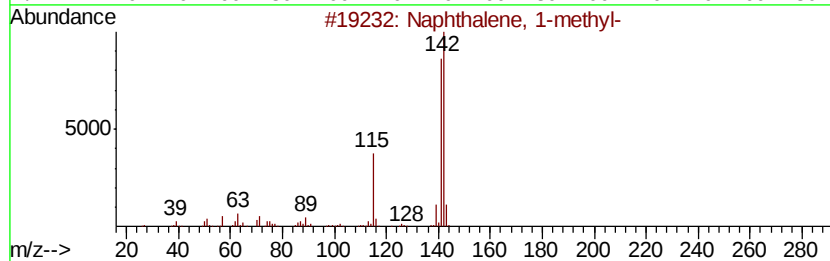
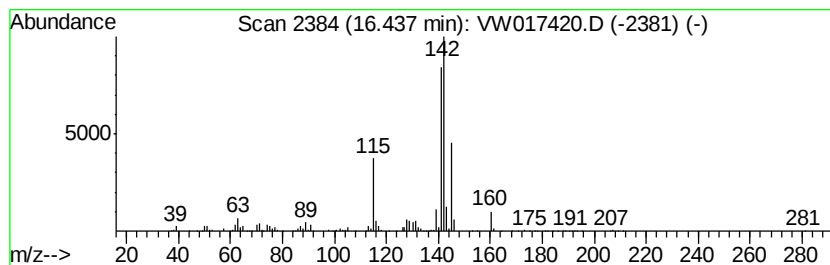
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Quant Title : VOC Analysis

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

Peak Number 33 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	65.76 ug/L	791305	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
5		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW112020\
Data File : VW017420.D
Acq On : 20 Nov 2020 16:22
Operator : SY/VA
Sample : L4853-02
Misc : 4.85G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

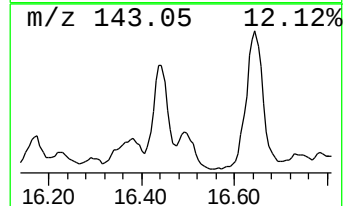
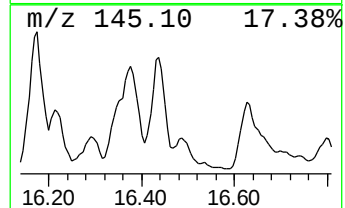
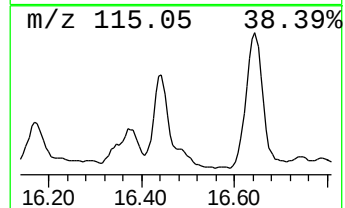
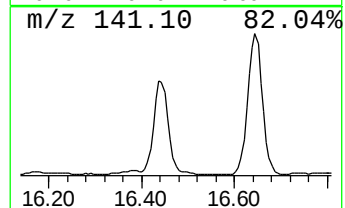
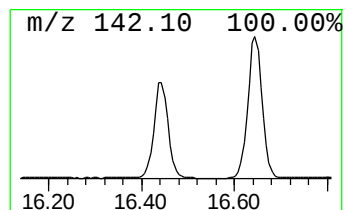
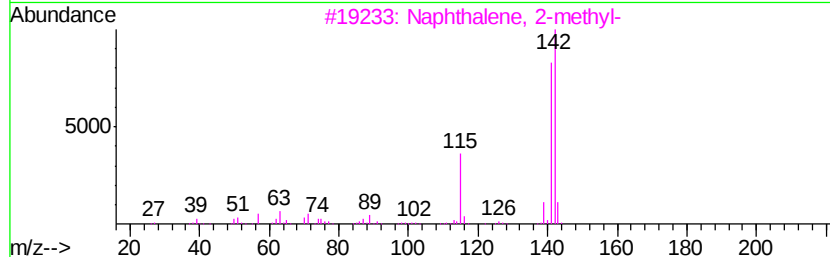
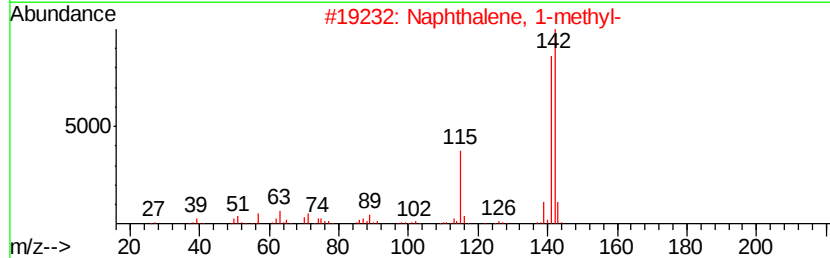
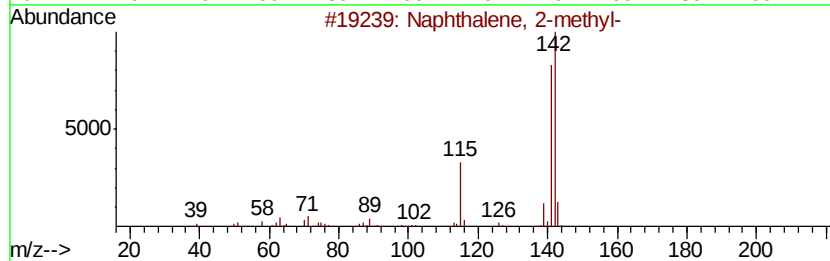
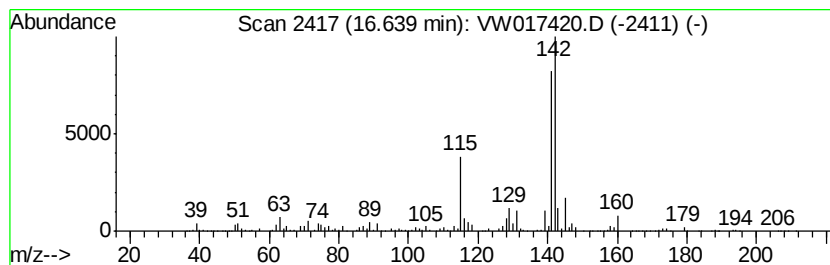
Instrument :
MSVOA_W
ClientSampleId :
C0AD1

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	222.57 ug/L	2678150	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
2		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
3		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
4		1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1 91
5		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112020\
 Data File : VW017420.D
 Acq On : 20 Nov 2020 16:22
 Operator : SY/VA
 Sample : L4853-02
 Misc : 4.85G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 C0AD1

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
p-Fluoroaniline	11.23	2.1	ug/L	44127	2	11.63	536148	25.0
(DEL) Alkane: Cyc...	11.44	3.0	ug/L	63410	2	11.63	536148	25.0
(DEL) Alkane: Cyc...	11.97	1.3	ug/L	28412	2	11.63	536148	25.0
(DEL) Alkane: Str...	12.37	12.2	ug/L	261443	2	11.63	536148	25.0
(DEL) Alkane: Cyc...	12.78	25.2	ug/L	303665	3	13.56	300821	25.0
unknown-01	12.86	10.0	ug/L	119803	3	13.56	300821	25.0
Benzene, 1,2,3-tr...	12.94	40.7	ug/L	489702	3	13.56	300821	25.0
Benzene, 1-ethyl-...	13.10	22.0	ug/L	264451	3	13.56	300821	25.0
2-Cyclopenten-1-o...	13.19	8.7	ug/L	105060	3	13.56	300821	25.0
Benzene, 1,2,4-tr...	13.26	15.5	ug/L	186948	3	13.56	300821	25.0
unknown-02	13.38	6.6	ug/L	79763	3	13.56	300821	25.0
(DEL) Alkane: Str...	13.70	15.1	ug/L	181473	3	13.56	300821	25.0
Indane	13.76	24.4	ug/L	293170	3	13.56	300821	25.0
Benzene, 2-ethyl-...	13.79	43.4	ug/L	522685	3	13.56	300821	25.0
Benzene, 1-methyl...	13.95	12.9	ug/L	154952	3	13.56	300821	25.0
Benzene, 2-ethyl-...	14.01	40.3	ug/L	484273	3	13.56	300821	25.0
Benzene, 1-ethyl-...	14.10	55.5	ug/L	668446	3	13.56	300821	25.0
1-Phenyl-1-butene	14.21	57.2	ug/L	687961	3	13.56	300821	25.0
Benzene, 4-ethyl-...	14.34	25.9	ug/L	312176	3	13.56	300821	25.0
trans-Decalin, 2-...	14.38	48.0	ug/L	577795	3	13.56	300821	25.0
Benzene, 1,2,3,5-...	14.42	57.7	ug/L	694129	3	13.56	300821	25.0
Benzene, 1-ethyl-...	14.46	82.1	ug/L	987365	3	13.56	300821	25.0
Benzene, 2,4-diet...	14.50	27.6	ug/L	332224	3	13.56	300821	25.0
Naphthalene, deca...	14.55	84.7	ug/L	1019680	3	13.56	300821	25.0
Benzene, 1-methyl...	14.73	41.9	ug/L	503569	3	13.56	300821	25.0
1,3-Cyclopentadie...	14.80	262.6	ug/L	3159700	3	13.56	300821	25.0
Benzene, 1,4-diet...	15.07	154.4	ug/L	1858450	3	13.56	300821	25.0
Benzene, 1-methyl...	15.18	202.2	ug/L	2433220	3	13.56	300821	25.0
1H-Indene, 2,3-di...	15.66	92.8	ug/L	1117170	3	13.56	300821	25.0
Naphthalene, 1-me...	16.44	65.8	ug/L	791305	3	13.56	300821	25.0
Naphthalene, 2-me...	16.64	222.6	ug/L	2678150	3	13.56	300821	25.0