

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
 Data File : VW018138.D
 Acq On : 15 Feb 2021 16:16
 Operator : SY/VA
 Sample : M1370-13RE
 Misc : 4.87G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBGY9RE

Integration Parameters: LSCINT.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Title : VOC Analysis

Signal : TIC: VW018138.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.166	39	43	47	rVB3	962	1675	0.19%	0.038%
2	2.355	69	74	82	rVB	19942	33189	3.76%	0.754%
3	2.891	155	162	174	rVB	17137	36832	4.17%	0.837%
4	3.044	186	187	190	rBV2	609	440	0.05%	0.010%
5	3.336	233	235	237	rBV2	133	131	0.01%	0.003%
6	3.361	237	239	242	rVB2	191	152	0.02%	0.003%
7	3.416	246	248	249	rBV2	140	138	0.02%	0.003%
8	3.586	274	276	281	rVV2	109	144	0.02%	0.003%
9	3.928	329	332	333	rBV2	145	154	0.02%	0.003%
10	4.013	336	346	359	rBV2	40289	107505	12.17%	2.442%
11	4.129	359	365	368	rBV2	1088	2083	0.24%	0.047%
12	4.202	376	377	380	rVB2	205	128	0.01%	0.003%
13	4.227	380	381	385	rVB2	178	164	0.02%	0.004%
14	4.403	402	410	413	rBV3	214	441	0.05%	0.010%
15	4.495	424	425	427	rBV2	157	132	0.01%	0.003%
16	4.519	427	429	430	rVB2	180	121	0.01%	0.003%
17	4.537	430	432	434	rBV	163	218	0.02%	0.005%
18	4.611	442	444	445	rBV	198	146	0.02%	0.003%
19	4.653	450	451	453	rBV	236	167	0.02%	0.004%
20	4.848	482	483	485	rVV	135	133	0.02%	0.003%
21	4.922	486	495	505	rVV3	3512	11009	1.25%	0.250%
22	5.013	508	510	512	rBV2	140	161	0.02%	0.004%
23	5.171	533	536	538	rBV2	200	210	0.02%	0.005%
24	5.190	538	539	543	rVV	153	142	0.02%	0.003%
25	5.513	590	592	595	rVB2	144	124	0.01%	0.003%
26	5.543	595	597	599	rBV	180	167	0.02%	0.004%
27	5.781	635	636	638	rVB	193	135	0.02%	0.003%
28	5.836	641	645	649	rBV2	134	210	0.02%	0.005%
29	5.940	657	662	668	rBV4	777	1696	0.19%	0.039%
30	6.068	679	683	685	rBV	161	190	0.02%	0.004%
31	6.196	702	704	705	rBV2	120	124	0.01%	0.003%
32	6.354	729	730	733	rVB	142	124	0.01%	0.003%
33	6.519	753	757	760	rVV2	109	134	0.02%	0.003%
34	6.891	817	818	820	rVB	191	136	0.02%	0.003%
35	6.915	820	822	823	rBV	195	137	0.02%	0.003%
36	7.080	841	849	854	rBV2	4492	12174	1.38%	0.277%

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Integrator: RTE

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

37	7.232	873	874	878	rVB2	130	129	0.01%	0.003%
38	7.269	878	880	882	rBV2	169	163	0.02%	0.004%
39	7.348	891	893	895	rVB	227	181	0.02%	0.004%
40	7.372	895	897	899	rBB	180	163	0.02%	0.004%
41	7.500	916	918	921	rBV	142	159	0.02%	0.004%
42	7.525	921	922	924	rVV	160	133	0.02%	0.003%
43	7.647	933	942	956	rVB	57273	137781	15.59%	3.130%
44	8.073	1010	1012	1015	rBV2	153	148	0.02%	0.003%
45	8.110	1017	1018	1022	rVV2	102	131	0.01%	0.003%
46	8.275	1033	1045	1062	rVV2	104127	305918	34.62%	6.950%
47	8.415	1066	1068	1071	rBV2	138	176	0.02%	0.004%
48	8.842	1130	1138	1150	rVV	116687	227993	25.80%	5.180%
49	8.951	1155	1156	1158	rVB2	338	185	0.02%	0.004%
50	8.994	1161	1163	1165	rVB2	195	153	0.02%	0.003%
51	9.031	1165	1169	1170	rBV	467	489	0.06%	0.011%
52	9.085	1170	1178	1180	rBV3	944	1917	0.22%	0.044%
53	9.177	1192	1193	1195	rBV	468	353	0.04%	0.008%
54	9.274	1202	1209	1217	rBV	72391	147562	16.70%	3.353%
55	10.036	1327	1334	1342	rVB	27669	51201	5.79%	1.163%
56	10.323	1374	1381	1400	rVB	143775	257469	29.14%	5.850%
57	10.469	1402	1405	1408	rVB	135	188	0.02%	0.004%
58	10.506	1408	1411	1412	rBV2	174	175	0.02%	0.004%
59	10.579	1417	1423	1431	rVB	17477	30513	3.45%	0.693%
60	10.646	1431	1434	1435	rBV3	344	340	0.04%	0.008%
61	10.664	1435	1437	1438	rBV	408	259	0.03%	0.006%
62	10.701	1439	1443	1449	rBV2	1491	2582	0.29%	0.059%
63	10.823	1461	1463	1467	rVB3	818	683	0.08%	0.016%
64	10.927	1473	1480	1491	rVB	20075	37723	4.27%	0.857%
65	11.030	1496	1497	1499	rVB2	277	196	0.02%	0.004%
66	11.067	1499	1503	1504	rBV2	252	293	0.03%	0.007%
67	11.091	1505	1507	1510	rVB2	261	268	0.03%	0.006%
68	11.390	1514	1556	1558	rBV3	131176	796756	90.17%	18.102%
69	11.634	1589	1596	1603	rVB	135318	235352	26.63%	5.347%
70	11.701	1605	1607	1608	rBV2	877	663	0.08%	0.015%
71	11.981	1647	1653	1654	rBV2	1167	2142	0.24%	0.049%
72	12.329	1700	1710	1734	rVB3	177452	883658	100.00%	20.076%
73	12.688	1764	1769	1776	rVB	52649	85694	9.70%	1.947%
74	12.816	1788	1790	1794	rBV5	358	338	0.04%	0.008%
75	12.999	1797	1820	1821	rBV9	10544	36889	4.17%	0.838%
76	13.499	1882	1902	1906	rBV3	31314	129387	14.64%	2.940%

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Integration Parameters: LSCINT.P

Integrator: RTE
 Smoothing : OFF Filtering: 5
 Sampling : 1 Min Area: 0 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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 Title : VOC Analysis

77	13.554	1907	1911	1917	rVV	115989	200071	22.64%	4.545%
78	13.670	1917	1930	1953	rVV6	72838	371591	42.05%	8.442%
79	13.853	1953	1960	1967	rVB	87813	149251	16.89%	3.391%
80	14.011	1983	1986	1988	rBV4	663	811	0.09%	0.018%
81	14.072	1990	1996	1998	rBV3	1939	3638	0.41%	0.083%
82	14.152	2001	2009	2012	rBV8	2581	6706	0.76%	0.152%
83	14.298	2030	2033	2034	rBV3	784	768	0.09%	0.017%
84	14.334	2034	2039	2040	rBV5	1524	2140	0.24%	0.049%
85	14.609	2082	2084	2085	rBV2	527	426	0.05%	0.010%
86	14.712	2096	2101	2103	rBV5	1184	2053	0.23%	0.047%
87	14.822	2113	2119	2123	rBV3	3971	10350	1.17%	0.235%
88	15.090	2157	2163	2165	rBV5	1839	3168	0.36%	0.072%
89	15.200	2171	2181	2192	rBV7	5229	17166	1.94%	0.390%
90	15.310	2197	2199	2201	rBV3	635	451	0.05%	0.010%
91	15.407	2209	2215	2225	rVB3	4185	13515	1.53%	0.307%
92	15.718	2260	2266	2273	rVB8	1246	2968	0.34%	0.067%
93	15.767	2273	2274	2275	rBV	412	175	0.02%	0.004%
94	15.822	2276	2283	2284	rBV5	3237	4536	0.51%	0.103%
95	16.304	2359	2362	2363	rBV2	455	499	0.06%	0.011%
96	16.395	2374	2377	2378	rBV3	771	916	0.10%	0.021%
97	16.413	2378	2380	2381	rVV2	904	540	0.06%	0.012%
98	16.602	2401	2411	2421	rBV3	6176	21126	2.39%	0.480%
99	16.669	2421	2422	2423	rVB	513	188	0.02%	0.004%
100	16.700	2423	2427	2428	rBV4	846	1017	0.12%	0.023%

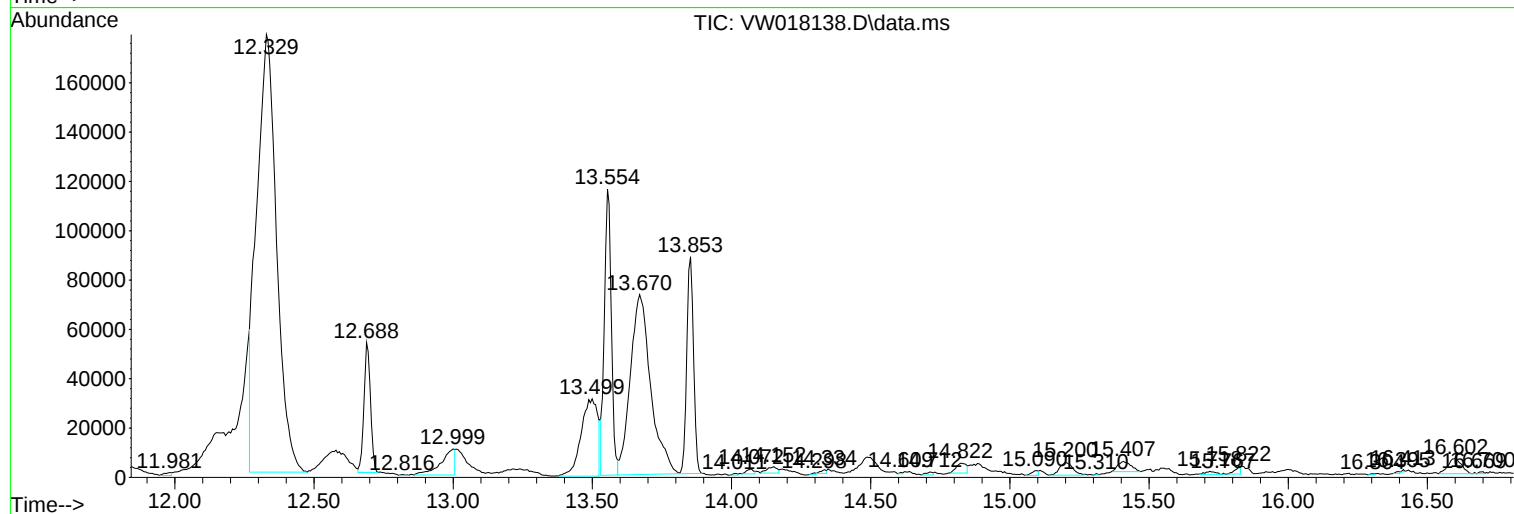
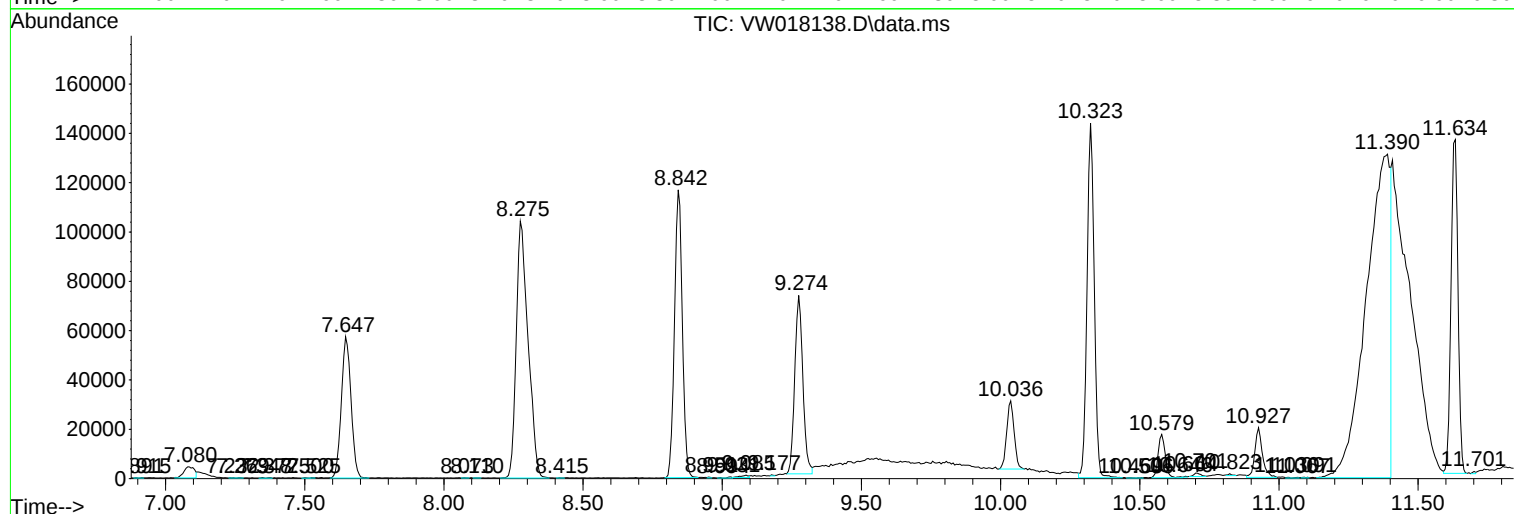
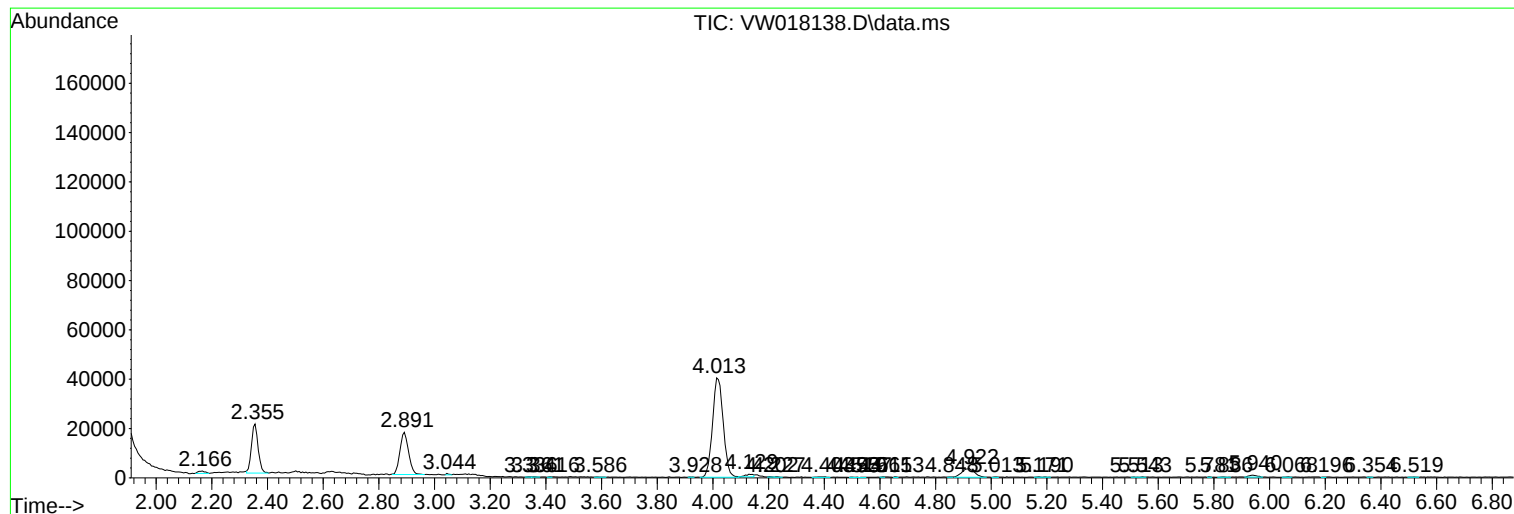
Sum of corrected areas: 4401539

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DBGY9RE

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

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



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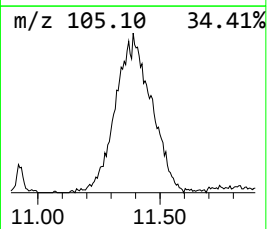
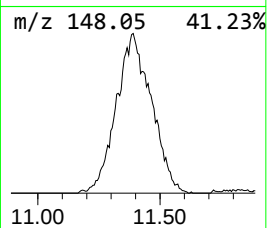
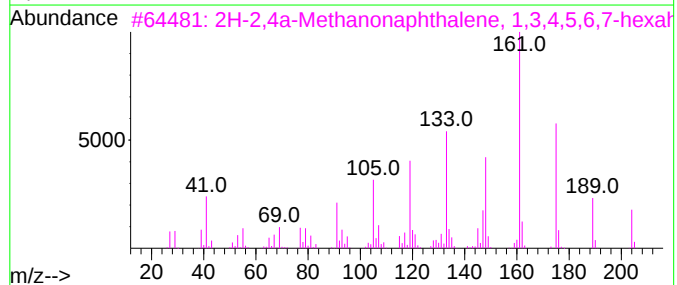
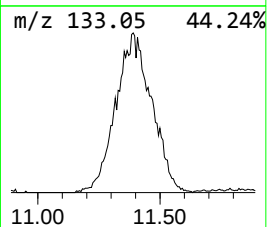
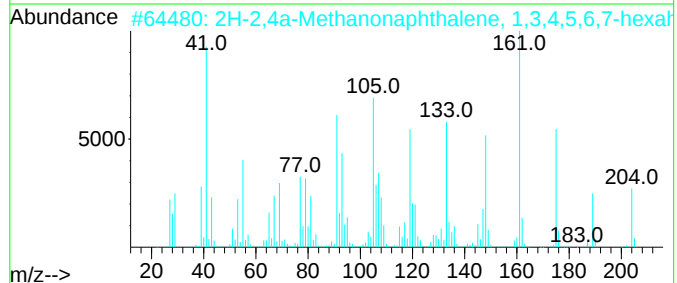
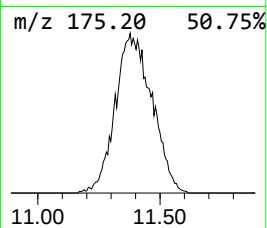
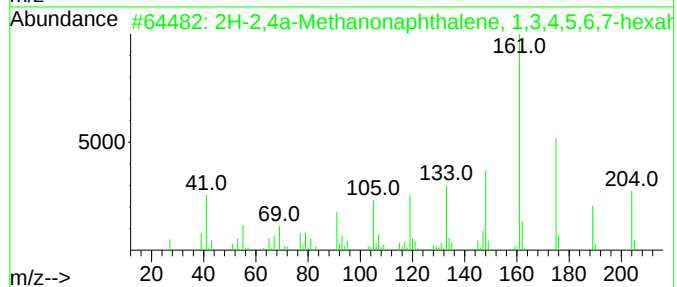
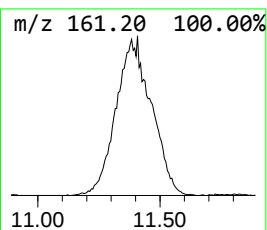
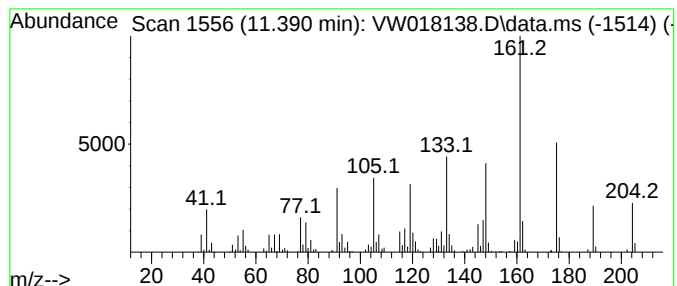
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 2 2H-2,4a-Methanonaphthalene,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.390	84.63 ug/L	796756	Chlorobenzene-d5	11.634	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	97
2	2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	94
3	2H-2,4a-Methanonaphthalene, 1,3,...	204	C15H24	001135-66-6	94
4	Isolodene	204	C15H24	1000156-10-8	78
5	.beta.-Panasinsene	204	C15H24	1000159-39-0	70



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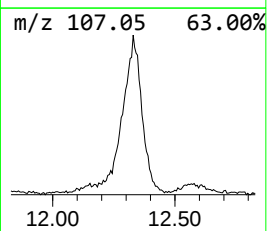
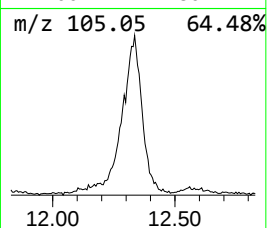
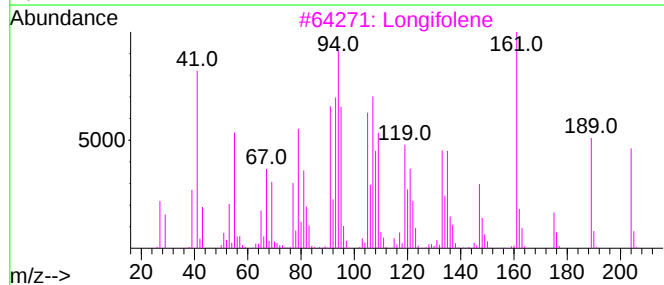
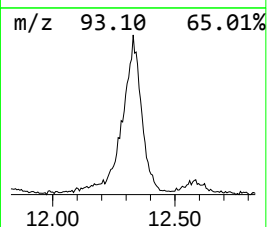
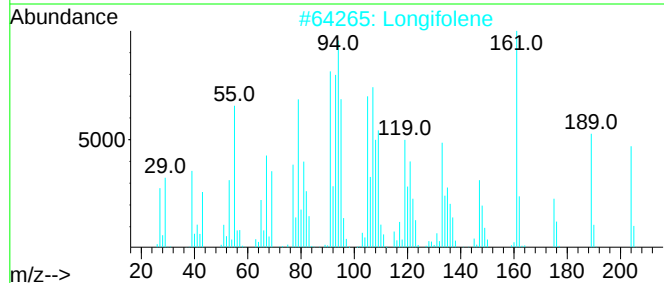
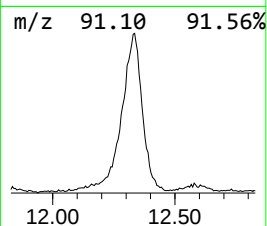
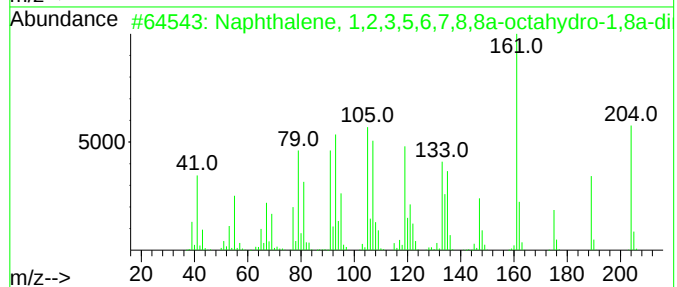
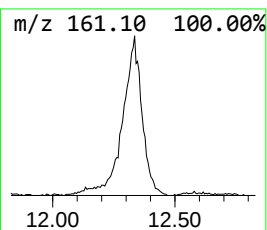
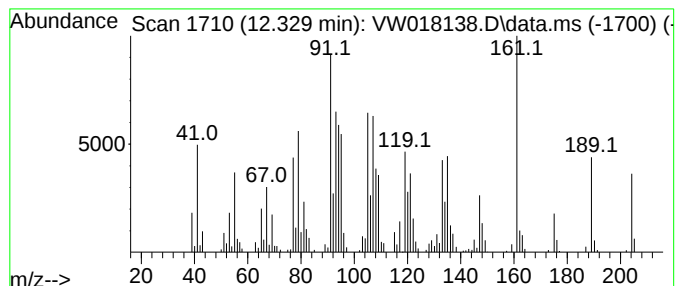
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 3 Naphthalene, 1,2,3,5,6,7,8,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.329	93.87 ug/L	883658	Chlorobenzene-d5	11.634

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	93
2			Longifolene	204	C15H24	000475-20-7	93
3			Longifolene	204	C15H24	000475-20-7	87
4			Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	86
5			Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	86



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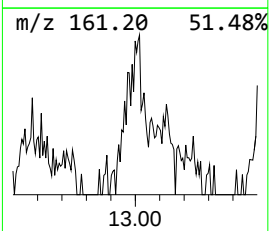
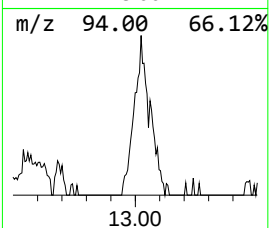
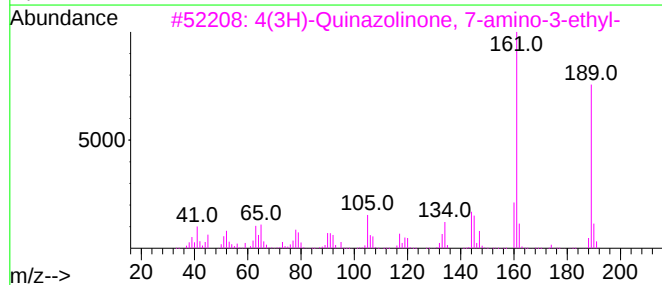
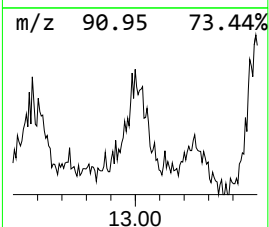
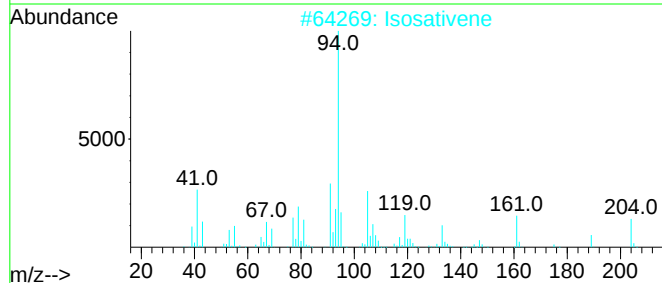
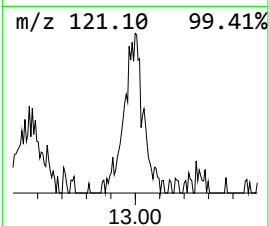
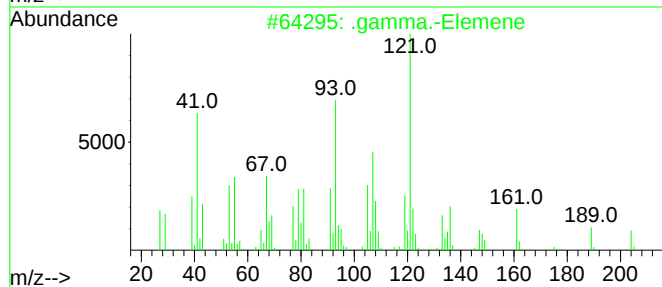
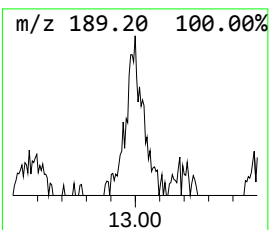
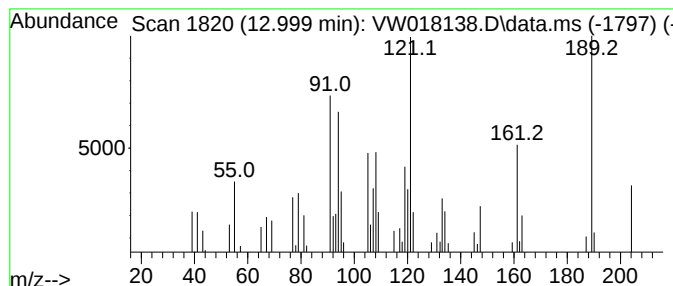
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM012921S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.999	4.61 ug/L	36889	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	.	gamma.-Elemene	204	C15H24	029873-99-2	43	
2	Isosativene	204	C15H24	024959-83-9	42		
3	4(3H)-Quinazolinone, 7-amino-3-e...	189	C10H11N3O	1000338-19-9	38		
4	2-(3-Methyl-but-2-enylideneamino...	161	C9H11N3	1000188-12-5	27		
5	3a,7-Methano-3aH-cyclopentacyclo...	204	C15H24	000469-92-1	25		



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018138.D
Acq On : 15 Feb 2021 16:16
Operator : SY/VA
Sample : M1370-13RE
Misc : 4.87G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY9RE

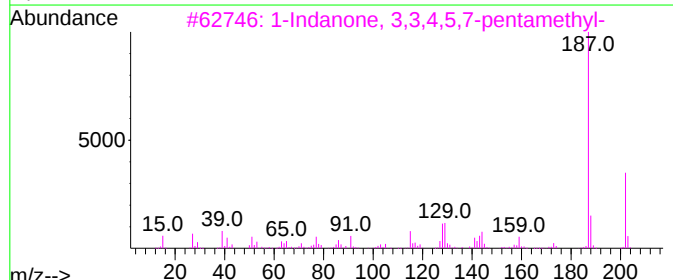
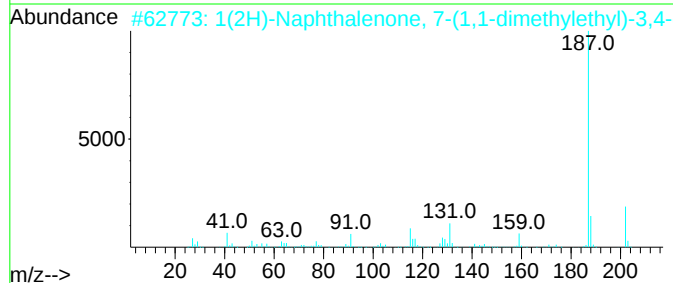
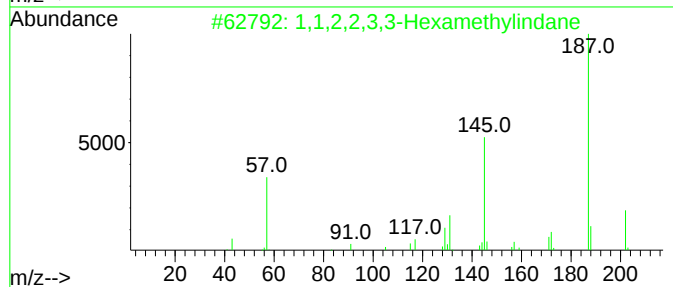
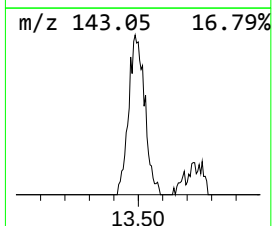
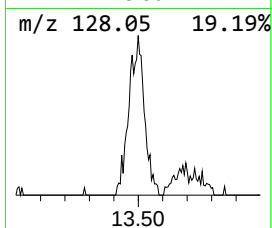
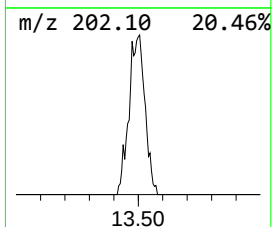
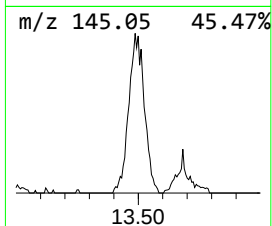
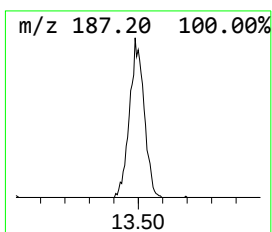
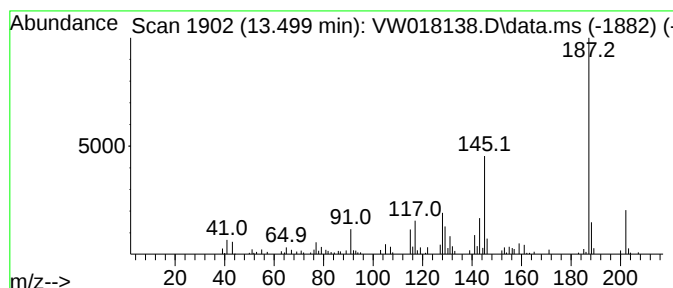
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Quant Title : VOC Analysis

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

Peak Number 5 1,1,2,2,3,3-Hexamethylindane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.499	16.17 ug/L	129387	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,2,2,3,3-Hexamethylindane	202	C15H22	091324-94-6	72
2			1(2H)-Naphthalenone, 7-(1,1-dime...	202	C14H18O	022583-68-2	58
3			1-Indanone, 3,3,4,5,7-pentamethyl-	202	C14H18O	010425-83-9	58
4			Benzene, 1-methoxy-2-(1-methyl-2...	202	C14H18O	039877-94-6	53
5			4-(2,3,4,6-Tetramethylphenyl)-3...	202	C14H18O	094112-30-8	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018138.D
Acq On : 15 Feb 2021 16:16
Operator : SY/VA
Sample : M1370-13RE
Misc : 4.87G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY9RE

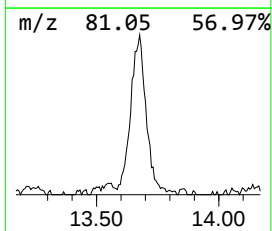
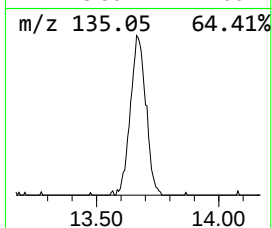
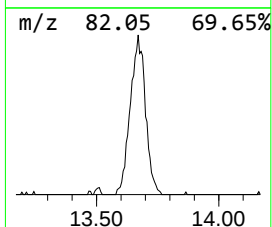
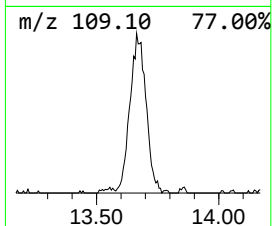
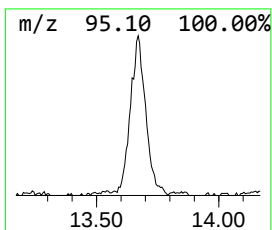
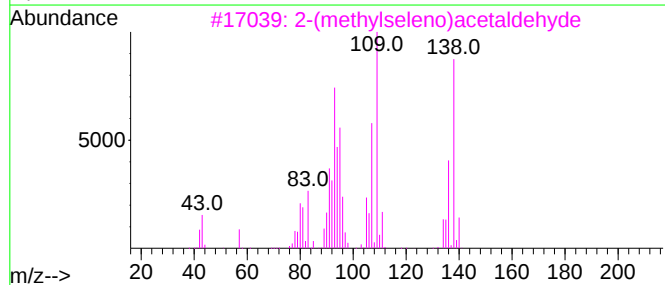
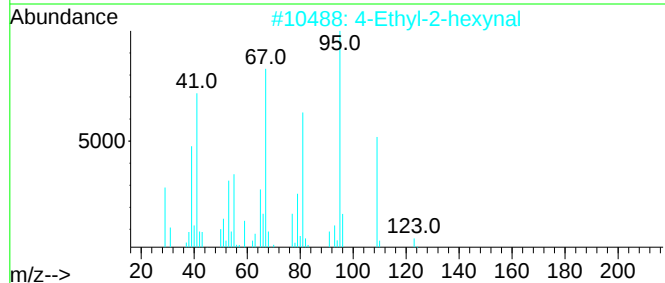
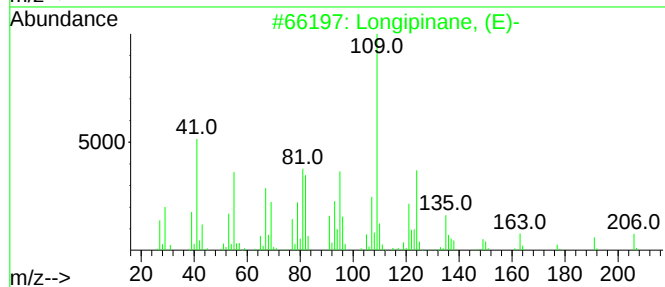
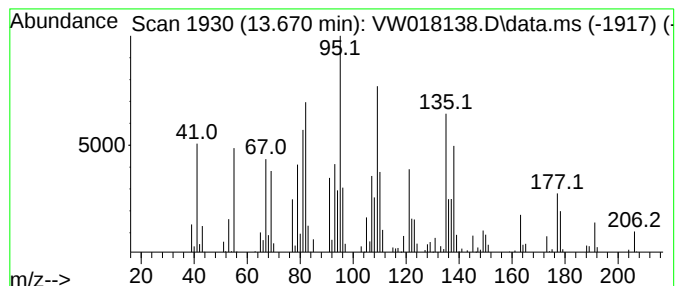
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Quant Title : VOC Analysis

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

Peak Number 6 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.670	46.43 ug/L	371591	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Longipinane, (E)-	206	C15H26	1000156-14-5	44
2			4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	38
3			2-(methylseleno)acetaldehyde	138	C3H6OSe	1000372-68-2	38
4			4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	35
5			Cyclopenten-4-one, 1,2,3,3-tetra...	138	C9H14O	1000163-38-6	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018138.D
Acq On : 15 Feb 2021 16:16
Operator : SY/VA
Sample : M1370-13RE
Misc : 4.87G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY9RE

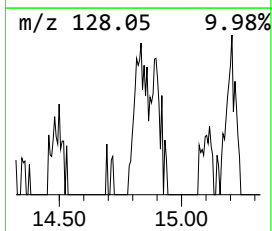
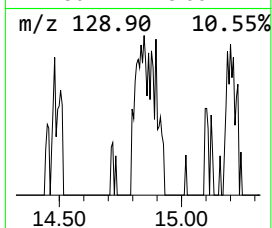
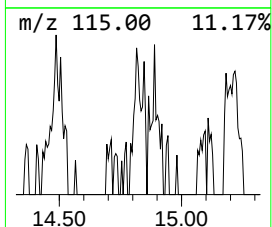
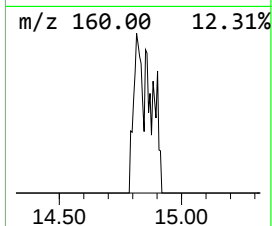
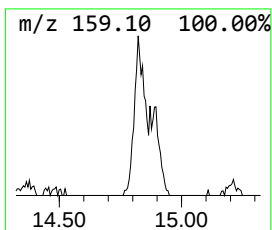
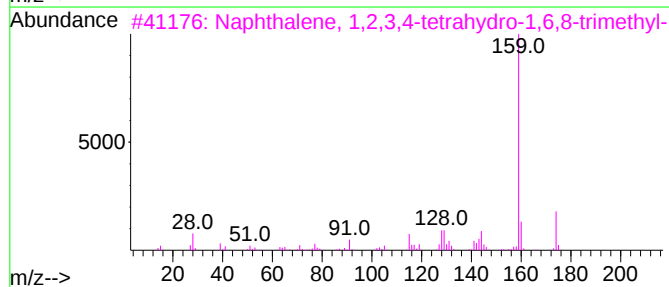
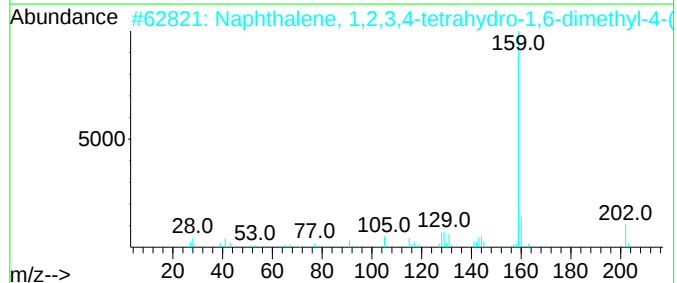
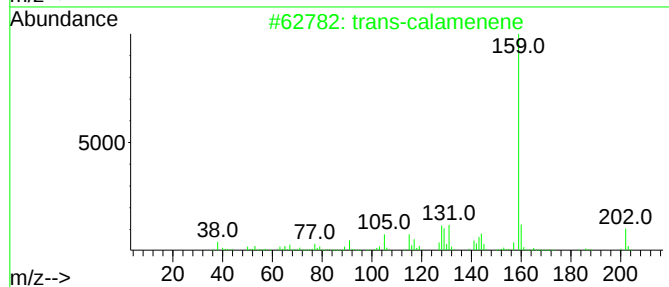
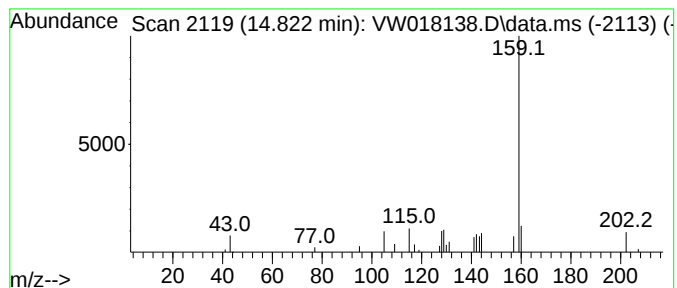
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Quant Title : VOC Analysis

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

Peak Number 7 trans-calamenene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.822	1.29 ug/L	10350	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			trans-calamenene	202	C15H22	1000374-17-3	91
2			Naphthalene, 1,2,3,4-tetrahydro-...	202	C15H22	000483-77-2	91
3			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	78
4			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	78
5			Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018138.D
Acq On : 15 Feb 2021 16:16
Operator : SY/VA
Sample : M1370-13RE
Misc : 4.87G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY9RE

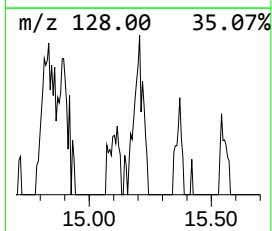
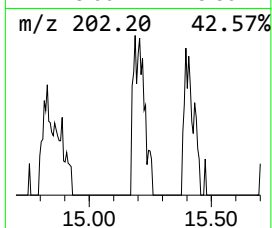
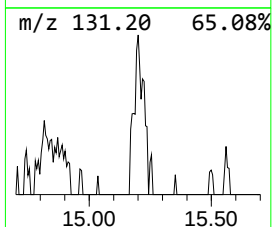
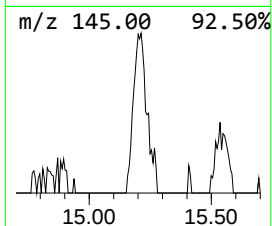
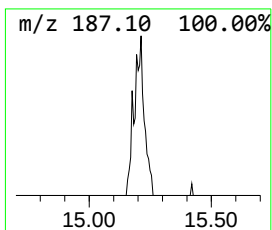
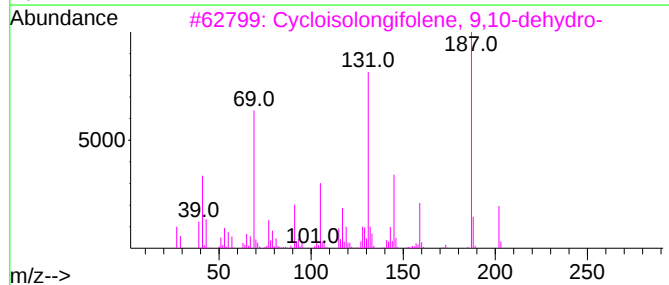
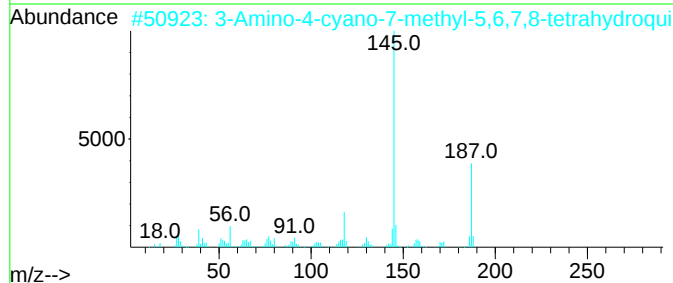
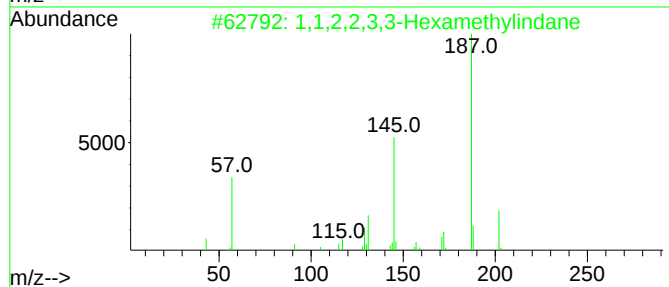
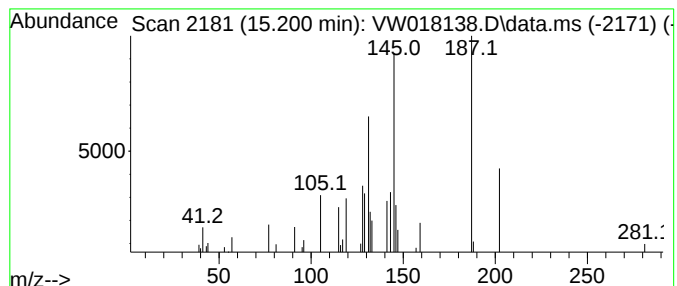
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Quant Title : VOC Analysis

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

Peak Number 8 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.200	2.14 ug/L	17166	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1,2,2,3,3-Hexamethylindane	202	C15H22	091324-94-6	64
2			3-Amino-4-cyano-7-methyl-5,6,7,8...	187	C11H13N3	146353-62-0	38
3			Cycloisolongifolene, 9,10-dehydro-	202	C15H22	1000156-81-6	38
4			Neoisolongifolene, 8,9-dehydro-	202	C15H22	067517-14-0	37
5			4,4-Dimethyl-3-(3-methylbut-3-en...	202	C15H22	079718-83-5	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018138.D
Acq On : 15 Feb 2021 16:16
Operator : SY/VA
Sample : M1370-13RE
Misc : 4.87G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY9RE

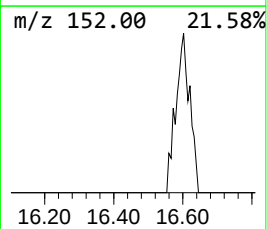
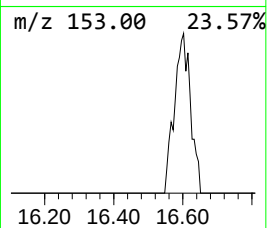
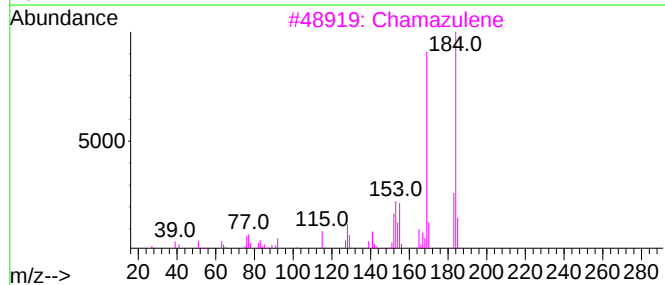
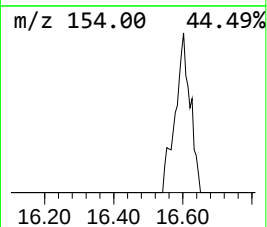
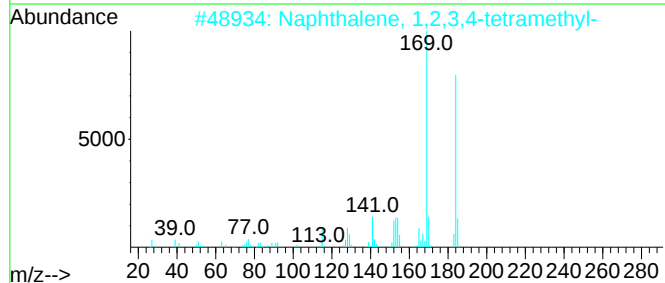
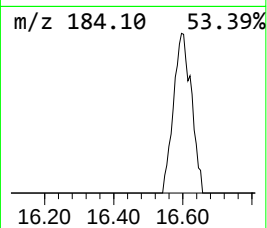
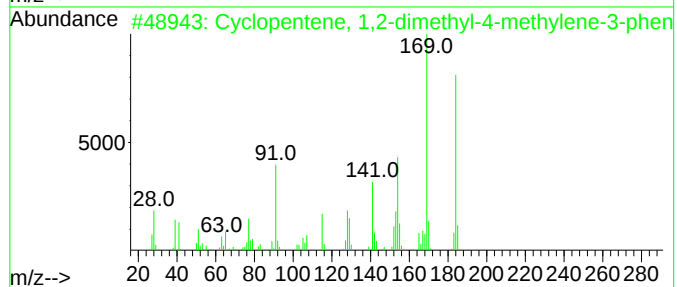
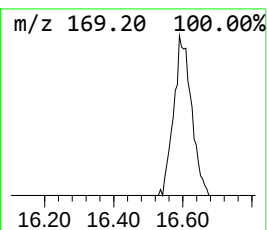
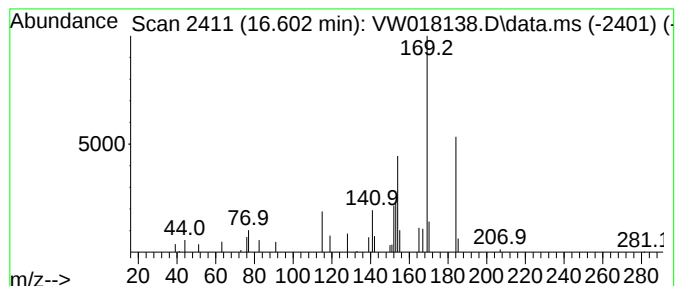
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Quant Title : VOC Analysis

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

Peak Number 10 Cyclopentene, 1,2-dimethyl-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.602	2.64 ug/L	21126	1,4-Dichlorobenzene-d4	13.560

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	90
2			Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	81
3			Chamazulene	184	C14H16	000529-05-5	76
4			Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	76
5			Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW021521\
Data File : VW018138.D
Acq On : 15 Feb 2021 16:16
Operator : SY/VA
Sample : M1370-13RE
Misc : 4.87G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBGY9RE

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2H-2,4a-Methano...	11.390	84.6	ug/L	796756	2	11.634	235352	25.0
Naphthalene, 1,...	12.329	93.9	ug/L	883658	2	11.634	235352	25.0
unknown-01	12.999	4.6	ug/L	36889	3	13.560	200071	25.0
1,1,2,2,3,3-Hex...	13.499	16.2	ug/L	129387	3	13.560	200071	25.0
unknown-02	13.670	46.4	ug/L	371591	3	13.560	200071	25.0
trans-calamenene	14.822	1.3	ug/L	10350	3	13.560	200071	25.0
unknown-03	15.200	2.1	ug/L	17166	3	13.560	200071	25.0
Cyclopentene, 1...	16.602	2.6	ug/L	21126	3	13.560	200071	25.0