

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062018\
 Data File : VW003364.D
 Acq On : 20 Jun 2018 20:37
 Operator : SY/AP
 Sample : J3569-09
 Misc : 3.64G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DAXR0

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\SOM2WLM062018S.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	1.624	5	6	7	rBV	321	220	0.00%	0.004%
2	1.685	12	16	17	rBV3	475	551	0.01%	0.009%
3	1.752	17	27	28	rBV	6548	12393	0.26%	0.211%
4	1.813	28	37	60	rVB	2031301	4759197	100.00%	80.867%
5	2.154	90	93	98	rBV3	2460	4237	0.09%	0.072%
6	4.007	389	397	407	rBV	14147	36683	0.77%	0.623%
7	4.080	407	409	411	rBV	468	454	0.01%	0.008%
8	4.129	411	417	426	rVV2	3130	9041	0.19%	0.154%
9	4.355	452	454	456	rBV2	379	328	0.01%	0.006%
10	4.379	456	458	459	rBV	337	274	0.01%	0.005%
11	4.452	468	470	471	rBV	565	362	0.01%	0.006%
12	4.757	518	520	524	rVB4	269	306	0.01%	0.005%
13	4.910	536	545	559	rVB5	4433	15345	0.32%	0.261%
14	5.001	559	560	563	rBV	422	535	0.01%	0.009%
15	5.361	617	619	622	rVB2	328	265	0.01%	0.005%
16	5.501	639	642	644	rBV2	365	365	0.01%	0.006%
17	5.605	658	659	664	rVB2	328	389	0.01%	0.007%
18	5.647	664	666	668	rBV2	304	372	0.01%	0.006%
19	5.720	676	678	679	rBV	402	244	0.01%	0.004%
20	5.848	696	699	701	rBV2	276	394	0.01%	0.007%
21	5.940	708	714	719	rVB6	1557	4047	0.09%	0.069%
22	5.976	719	720	722	rBV2	376	283	0.01%	0.005%
23	6.153	747	749	753	rBV2	463	574	0.01%	0.010%
24	6.263	765	767	769	rVB	348	275	0.01%	0.005%
25	6.318	774	776	778	rVB	384	316	0.01%	0.005%
26	6.348	780	781	783	rBV	341	225	0.00%	0.004%
27	6.373	783	785	788	rVB2	328	323	0.01%	0.005%
28	6.470	799	801	806	rVB2	255	350	0.01%	0.006%
29	6.513	806	808	809	rBV2	368	334	0.01%	0.006%
30	6.623	825	826	829	rVB2	379	290	0.01%	0.005%
31	6.757	842	848	851	rVV4	391	816	0.02%	0.014%
32	6.964	879	882	886	rBV2	284	378	0.01%	0.006%
33	7.013	888	890	894	rVB3	415	323	0.01%	0.005%
34	7.080	894	901	909	rBV	5192	15409	0.32%	0.262%

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 Title : VOC Analysis

35	7.238	925	927	929	rVB2	457	341	0.01%	0.006%
36	7.470	963	965	968	rBV2	288	309	0.01%	0.005%
37	7.531	973	975	976	rVB2	389	283	0.01%	0.005%
38	7.555	976	979	980	rBV	403	306	0.01%	0.005%
39	7.653	986	995	1004	rBV2	21210	52858	1.11%	0.898%
40	7.927	1037	1040	1041	rBV	313	351	0.01%	0.006%
41	7.958	1043	1045	1047	rBV2	413	303	0.01%	0.005%
42	7.988	1047	1050	1051	rBV2	292	280	0.01%	0.005%
43	8.055	1059	1061	1063	rVB2	437	341	0.01%	0.006%
44	8.281	1089	1098	1110	rBV2	24695	87607	1.84%	1.489%
45	8.372	1112	1113	1117	rVB2	447	462	0.01%	0.008%
46	8.409	1117	1119	1121	rBV3	531	360	0.01%	0.006%
47	8.641	1153	1157	1159	rBV2	334	456	0.01%	0.008%
48	8.848	1181	1191	1198	rVV	16590	33768	0.71%	0.574%
49	9.043	1219	1223	1225	rBV2	717	1041	0.02%	0.018%
50	9.153	1239	1241	1245	rVB2	374	392	0.01%	0.007%
51	9.189	1245	1247	1248	rBV	410	290	0.01%	0.005%
52	9.281	1254	1262	1270	rBV	29184	60463	1.27%	1.027%
53	9.409	1281	1283	1284	rVV	336	221	0.00%	0.004%
54	9.427	1284	1286	1289	rVB2	409	412	0.01%	0.007%
55	9.476	1292	1294	1297	rVV	243	237	0.00%	0.004%
56	9.506	1297	1299	1301	rVV2	371	305	0.01%	0.005%
57	9.531	1301	1303	1304	rVV2	400	234	0.00%	0.004%
58	9.598	1311	1314	1317	rBV3	373	563	0.01%	0.010%
59	9.659	1322	1324	1328	rVB2	313	382	0.01%	0.006%
60	9.726	1333	1335	1338	rBV2	278	356	0.01%	0.006%
61	10.043	1379	1387	1392	rBV2	8072	15842	0.33%	0.269%
62	10.171	1404	1408	1409	rBV2	274	397	0.01%	0.007%
63	10.329	1427	1434	1441	rBV	21746	39316	0.83%	0.668%
64	10.451	1451	1454	1457	rBB2	234	303	0.01%	0.005%
65	10.488	1457	1460	1461	rBV2	329	358	0.01%	0.006%
66	10.524	1464	1466	1467	rBV	313	283	0.01%	0.005%
67	10.579	1471	1475	1481	rVB3	4821	8315	0.17%	0.141%
68	10.652	1485	1487	1489	rVB2	489	287	0.01%	0.005%
69	10.695	1492	1494	1496	rBV2	425	338	0.01%	0.006%
70	10.799	1509	1511	1513	rBV	312	220	0.00%	0.004%
71	10.933	1525	1533	1541	rVV	13082	23816	0.50%	0.405%

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72	11.091	1556	1559	1561	rVV2	394	460	0.01%	0.008%
73	11.128	1563	1565	1570	rVB2	388	501	0.01%	0.009%
74	11.219	1578	1580	1582	rBV	317	227	0.00%	0.004%
75	11.268	1587	1588	1591	rVB	335	223	0.00%	0.004%
76	11.305	1593	1594	1598	rVB2	430	433	0.01%	0.007%
77	11.354	1598	1602	1604	rVB2	318	408	0.01%	0.007%
78	11.378	1604	1606	1610	rBV2	386	567	0.01%	0.010%
79	11.445	1615	1617	1619	rVB	337	244	0.01%	0.004%
80	11.475	1619	1622	1625	rBV	311	382	0.01%	0.006%
81	11.561	1634	1636	1637	rBV	253	217	0.00%	0.004%
82	11.634	1642	1648	1656	rVV	10930	19444	0.41%	0.330%
83	11.799	1673	1675	1680	rBV2	260	402	0.01%	0.007%
84	11.835	1680	1681	1685	rBV2	372	477	0.01%	0.008%
85	12.036	1711	1714	1715	rBV2	239	268	0.01%	0.005%
86	12.091	1721	1723	1726	rBV2	258	267	0.01%	0.005%
87	12.128	1726	1729	1731	rBV2	560	688	0.01%	0.012%
88	12.152	1731	1733	1734	rBV2	394	247	0.01%	0.004%
89	12.317	1758	1760	1763	rVB2	316	310	0.01%	0.005%
90	12.475	1781	1786	1790	rBV5	2243	4409	0.09%	0.075%
91	12.640	1793	1813	1820	rBV7	110768	545875	11.47%	9.275%
92	13.567	1961	1965	1970	rVB2	5307	7982	0.17%	0.136%
93	14.560	2121	2128	2145	rVB7	20289	88721	1.86%	1.508%
94	14.755	2153	2160	2166	rBV9	3739	9556	0.20%	0.162%
95	15.127	2219	2221	2223	rBV2	608	462	0.01%	0.008%
96	15.200	2231	2233	2236	rBV3	667	649	0.01%	0.011%
97	15.255	2241	2242	2243	rBV	749	470	0.01%	0.008%
98	15.432	2269	2271	2273	rBV2	448	310	0.01%	0.005%
99	15.798	2325	2331	2336	rBV4	685	2090	0.04%	0.036%
100	16.389	2426	2428	2430	rBV3	500	626	0.01%	0.011%

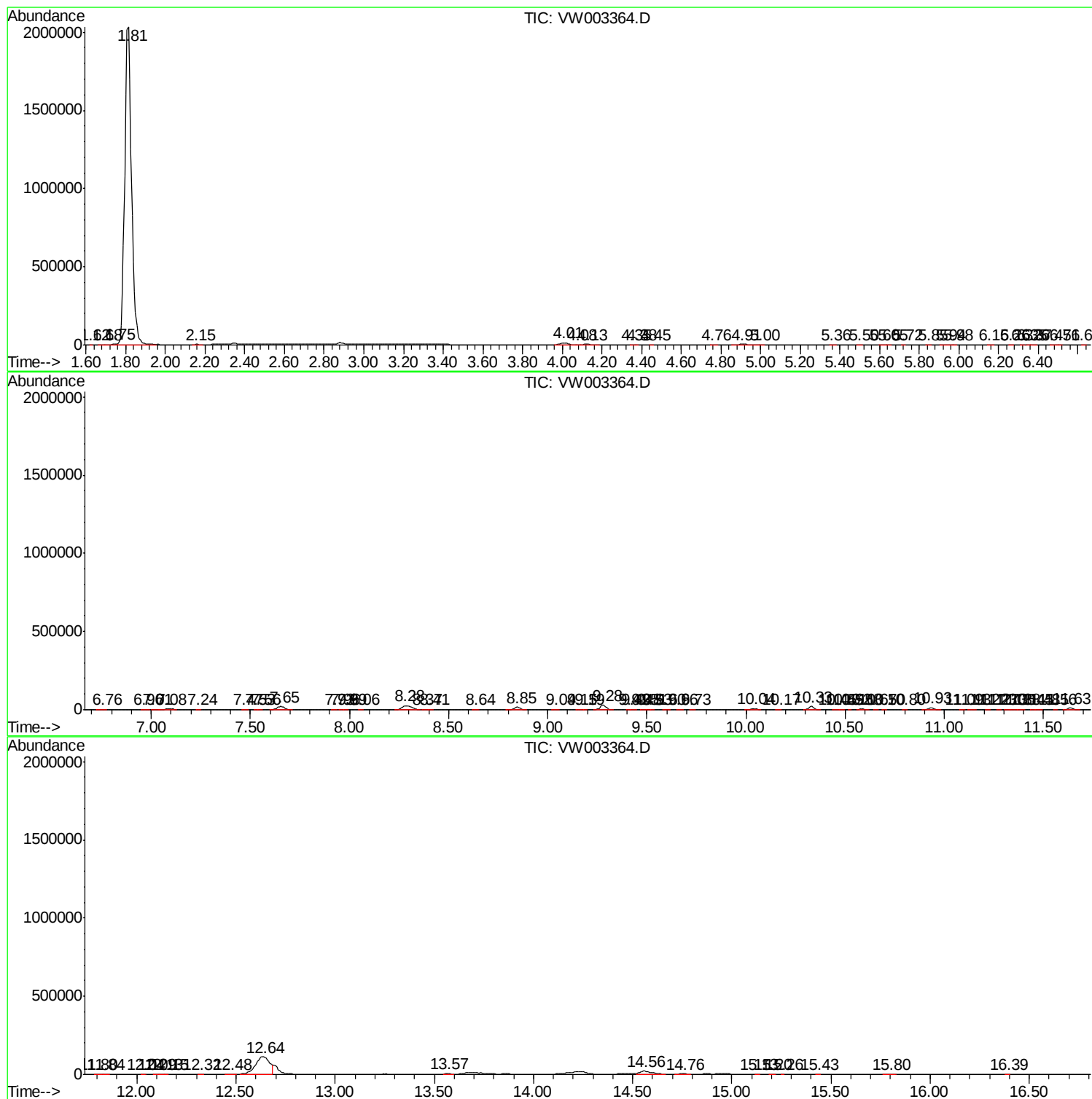
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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



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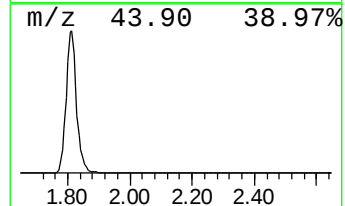
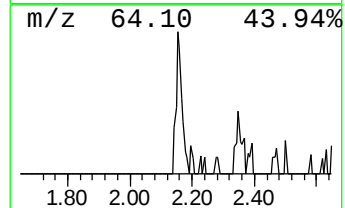
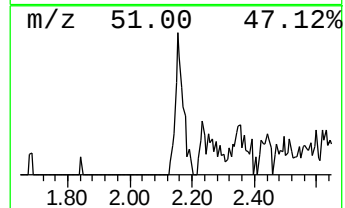
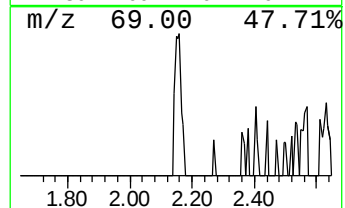
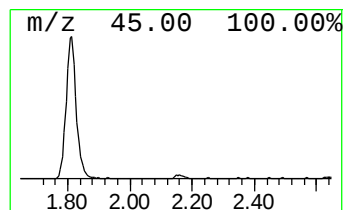
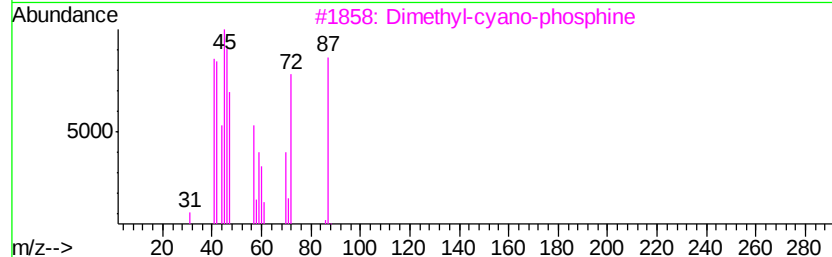
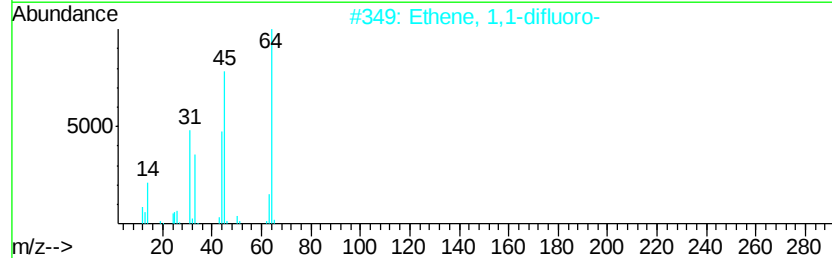
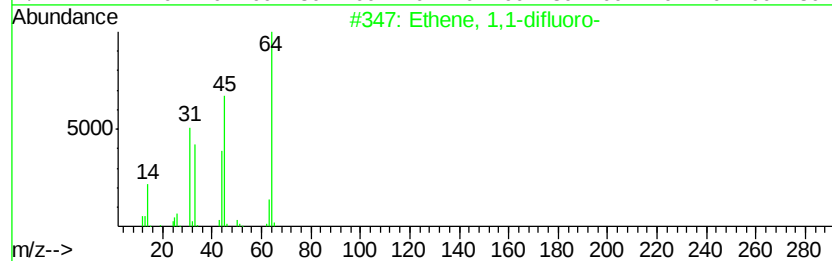
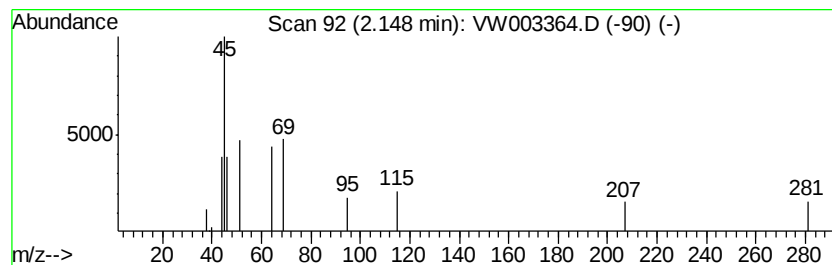
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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

Peak Number 3 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	3.14 ug/L	4237	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	32
2		Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	32
3		Dimethyl-cyano-phosphine	87	C3H6NP	031641-57-3	9
4		Dimethyl-cyano-phosphine	87	C3H6NP	031641-57-3	9
5		Formic acid	46	CH2O2	000064-18-6	5



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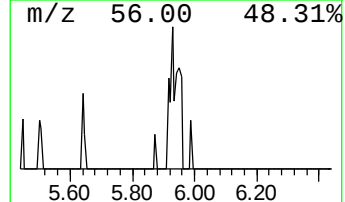
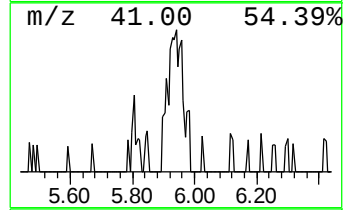
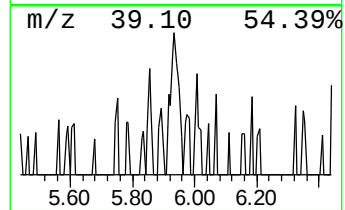
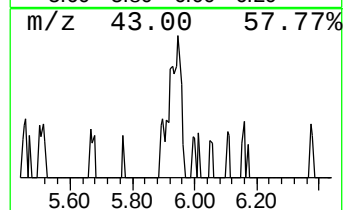
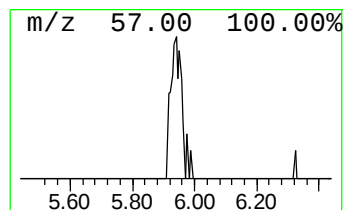
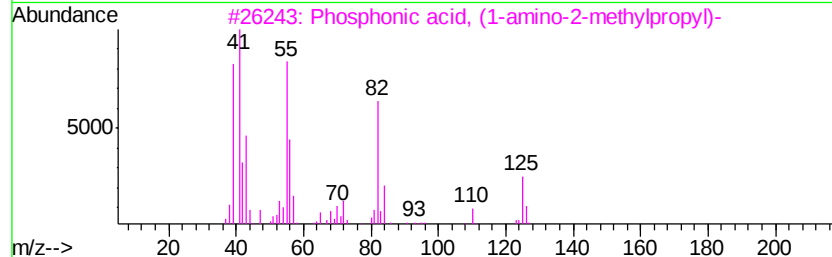
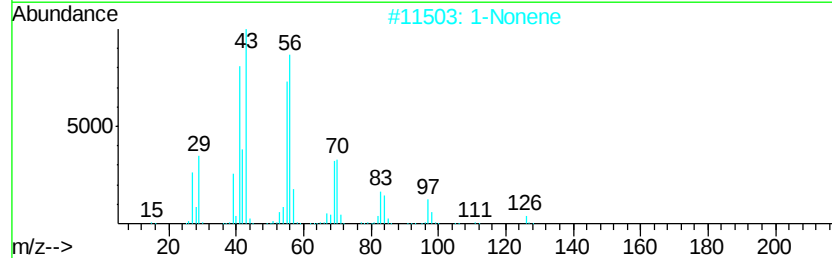
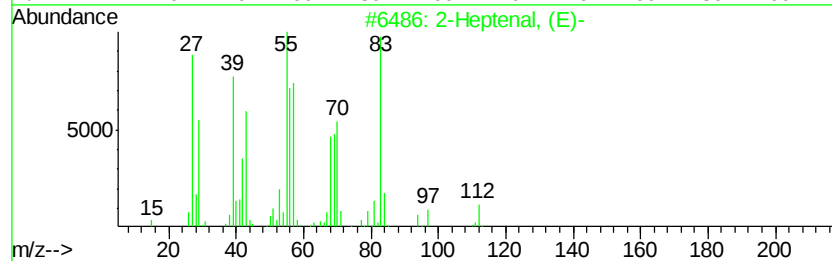
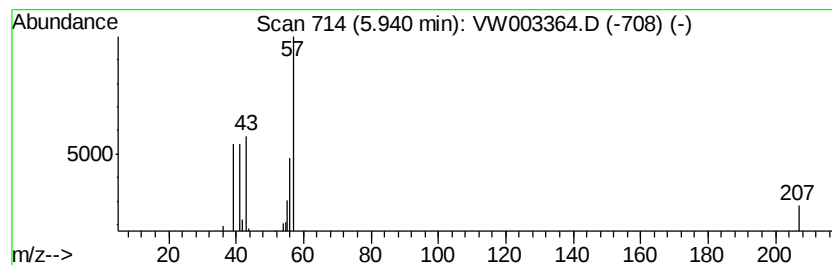
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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

Peak Number 4 unknown-02 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	3.00 ug/L	4047	1,4-Difluorobenzene	8.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Heptenal, (E)-	112	C7H12O	018829-55-5	28
2		1-Nonene	126	C9H18	000124-11-8	12
3		Phosphonic acid, (1-amino-2-meth...	153	C4H12N03P	018108-24-2	9
4		Propanenitrile, 3-(hexvloxv)-	155	C9H17NO	005327-02-6	9
5		1-Butanol, 4-butoxy-	146	C8H18O2	004161-24-4	9



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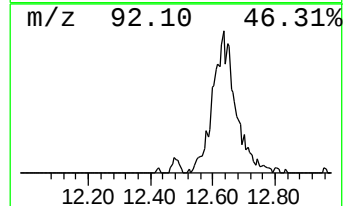
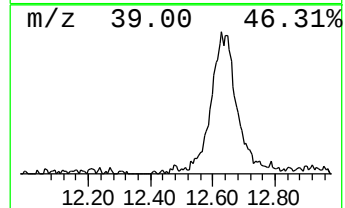
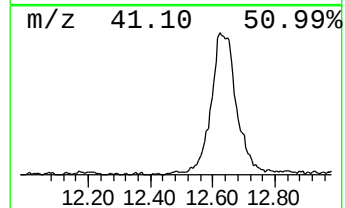
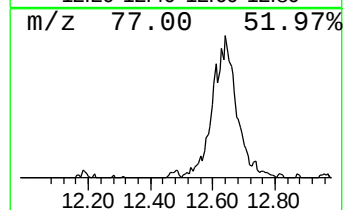
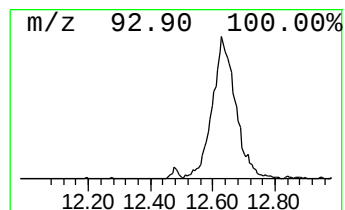
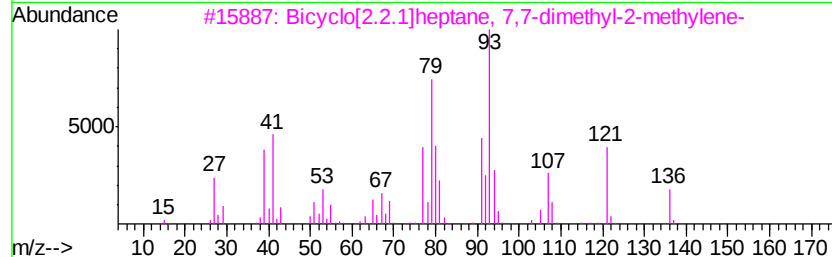
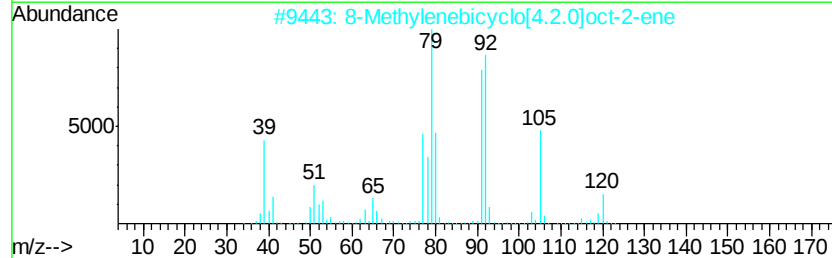
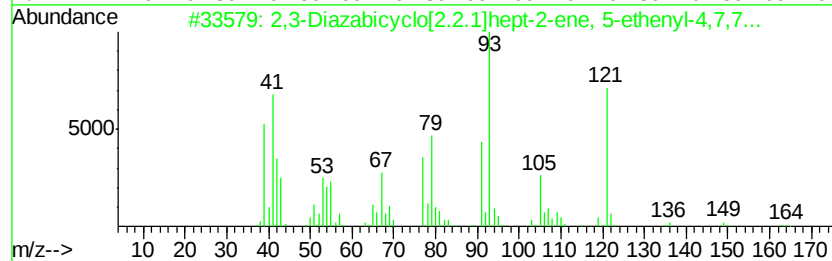
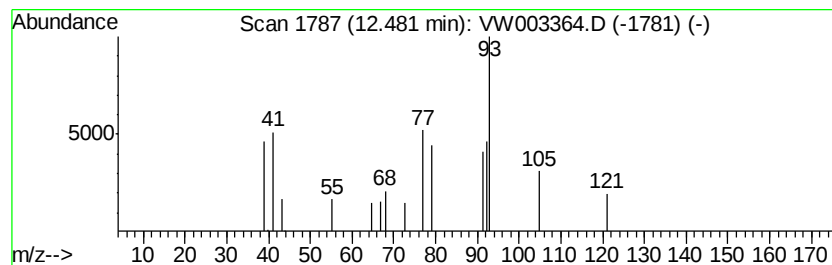
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Quant Title : VOC Analysis

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

Peak Number 6 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	5.67 ug/L	4409	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Diazabicyclo[2.2.1]hept-2-en...	164	C10H16N2	1000221-84-7	42
2	8-Methylenebicyclo[4.2.0]oct-2-ene	120	C9H12	1000211-20-0	37
3	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	25
4	p-Mentha-1(7),8(10)-dien-9-ol	152	C10H16O	029548-13-8	23
5	Santolina triene	136	C10H16	002153-66-4	9



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003364.D
Acq On : 20 Jun 2018 20:37
Operator : SY/AP
Sample : J3569-09
Misc : 3.64G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DAXR0

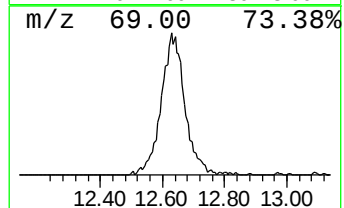
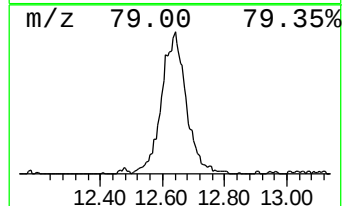
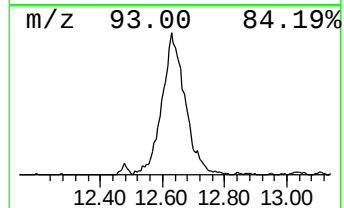
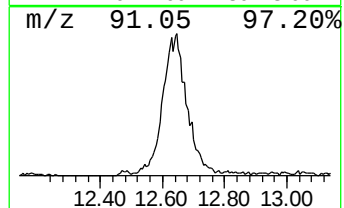
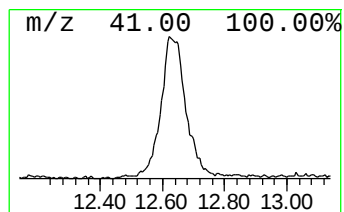
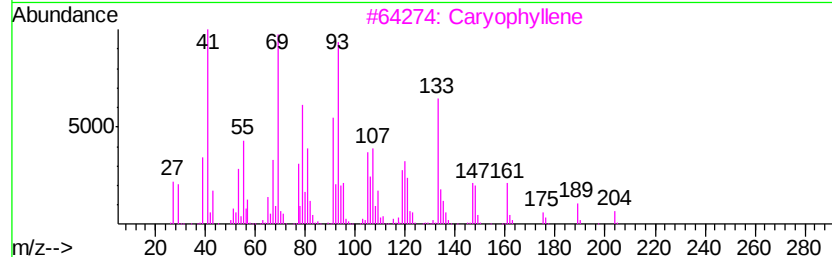
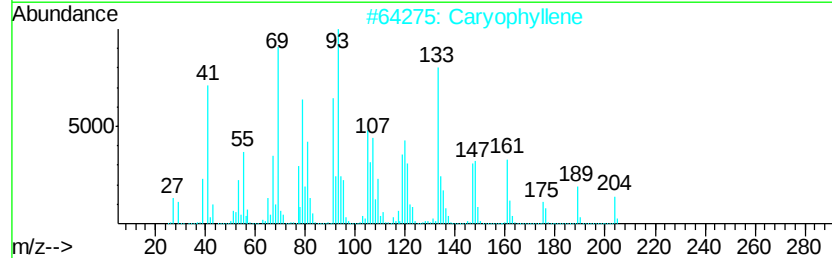
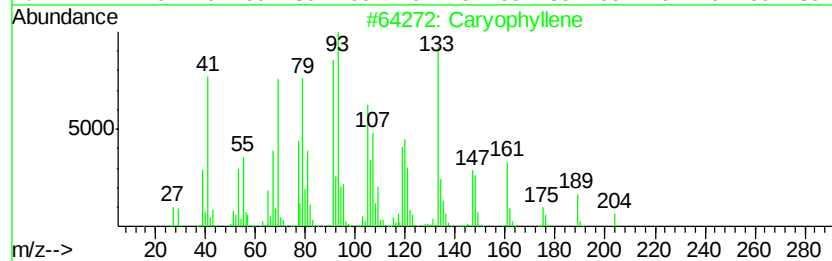
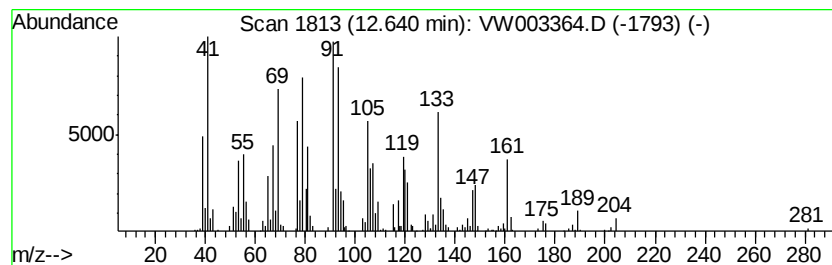
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Quant Title : VOC Analysis

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

Peak Number 7 Caryophyllene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	1709.71 ug/L	545875	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Carvophyllene	204	C15H24	000087-44-5	99
2		Carvophyllene	204	C15H24	000087-44-5	98
3		Carvophyllene	204	C15H24	000087-44-5	98
4		Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24	000118-65-0	96
5		Isocaryophyllene	204	C15H24	1000140-07-2	89



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003364.D
Acq On : 20 Jun 2018 20:37
Operator : SY/AP
Sample : J3569-09
Misc : 3.64G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DAXR0

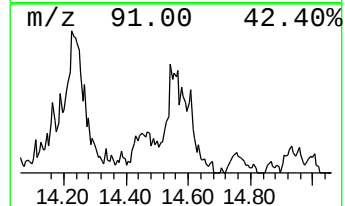
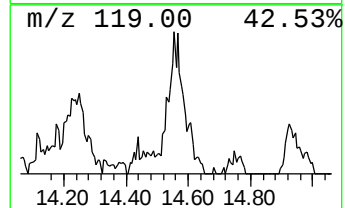
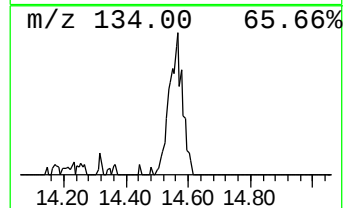
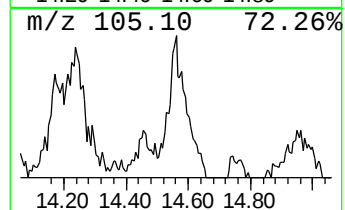
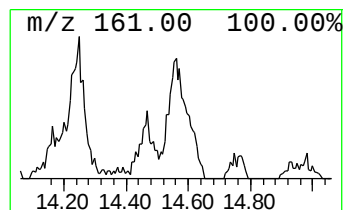
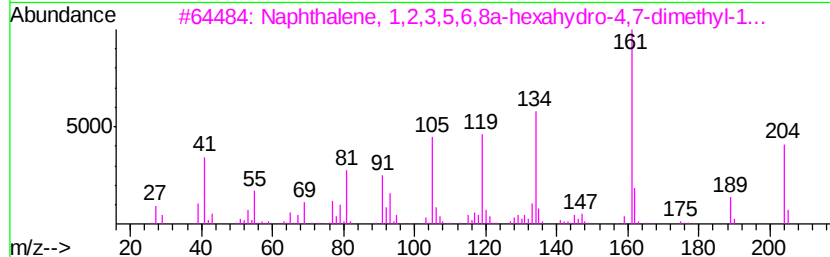
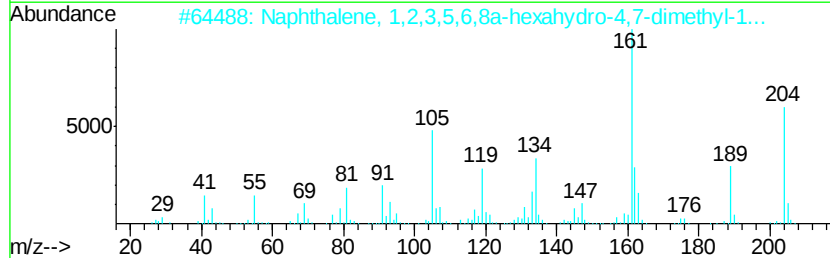
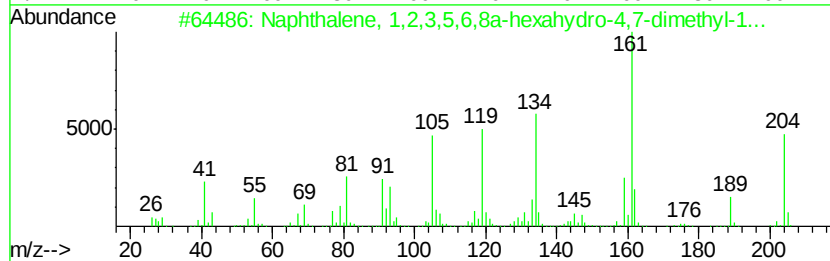
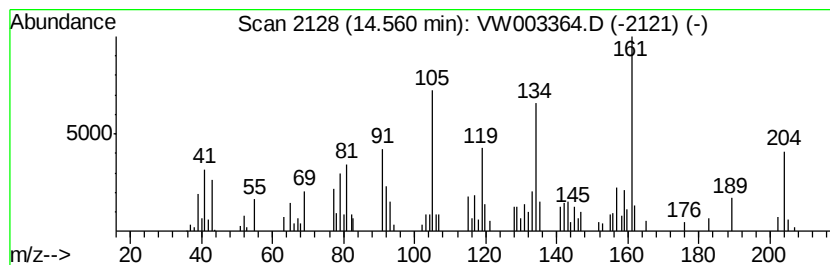
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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

Peak Number 8 Naphthalene, 1,2,3,5,6,8a-h... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	277.88 ug/L	88721	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,5,6,8a-hexahv...	204	C15H24	000483-76-1	76
2		Naphthalene, 1,2,3,5,6,8a-hexahv...	204	C15H24	000483-76-1	70
3		Naphthalene, 1,2,3,5,6,8a-hexahv...	204	C15H24	000483-76-1	70
4		.gamma.-Muurolene	204	C15H24	030021-74-0	64
5		Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062018\
Data File : VW003364.D
Acq On : 20 Jun 2018 20:37
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Misc : 3.64G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DAXR0

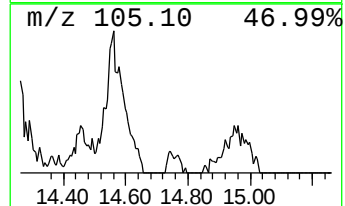
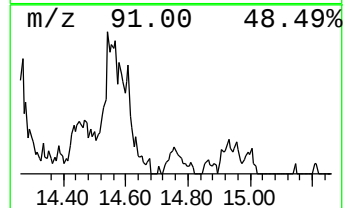
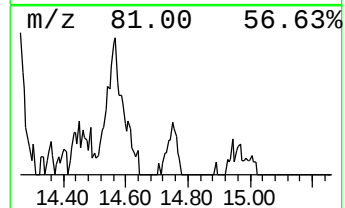
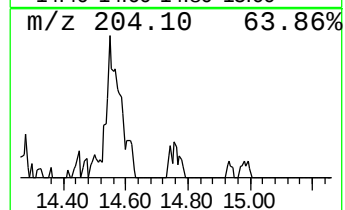
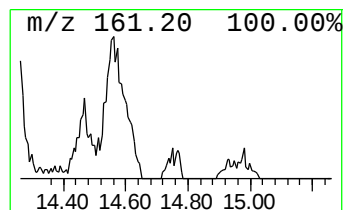
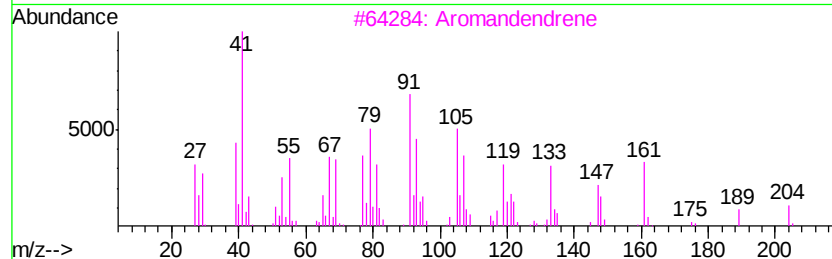
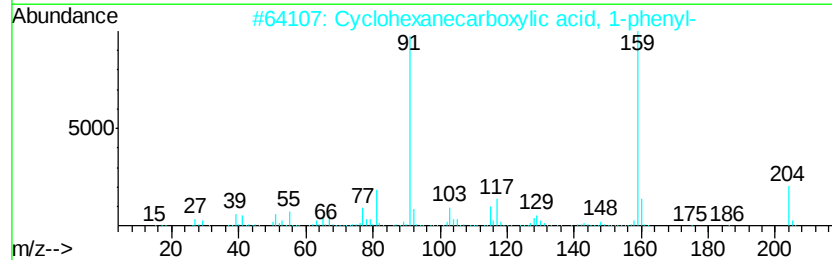
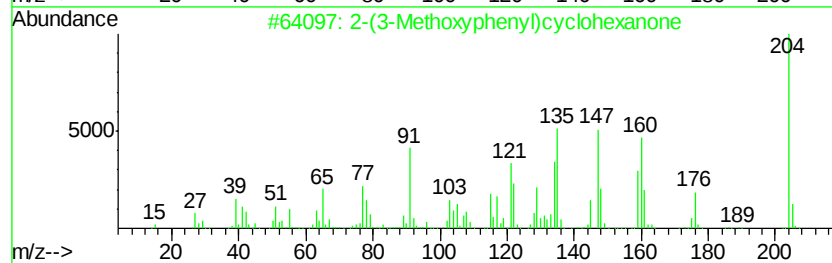
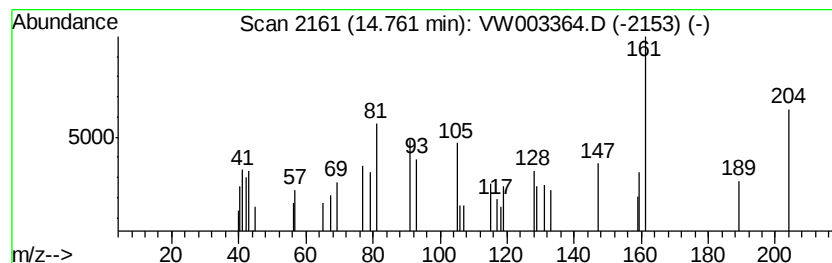
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis

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

Peak Number 9 unknown-04 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	29.93 ug/L	9556	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(3-Methoxyphenyl)cyclohexanone	204	C13H16O2	015547-89-4	22
2		Cyclohexanecarboxylic acid, 1-phenyl...	204	C13H16O2	001135-67-7	14
3		Aromandendrene	204	C15H24	000489-39-4	14
4		Aromandendrene	204	C15H24	000489-39-4	14
5		2-Propanone, 1-phenyl-, oxime	149	C9H11NO	013213-36-0	14



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062018\
Data File : VW003364.D
Acq On : 20 Jun 2018 20:37
Operator : SY/AP
Sample : J3569-09
Misc : 3.64G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DAXR0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.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
unknown-01	2.15	3.1	ug/L	4237	1	8.85	33768	25.0
unknown-02	5.94	3.0	ug/L	4047	1	8.85	33768	25.0
unknown-03	12.48	5.7	ug/L	4409	2	11.63	19444	25.0
Caryophyllene	12.64	1709.7	ug/L	545875	3	13.56	7982	25.0
Naphthalene, 1,2,...	14.56	277.9	ug/L	88721	3	13.56	7982	25.0
unknown-04	14.76	29.9	ug/L	9556	3	13.56	7982	25.0