

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008253.D
 Acq On : 14 Jan 2019 17:58
 Operator : SY/VA
 Sample : K1015-07
 Misc : 6.30G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-02-011119-B

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % 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\82W010819S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.672	287	290	299	rVB9	3888	8266	1.52%	0.180%
2	4.141	359	367	374	rBV4	3513	8028	1.48%	0.175%
3	4.909	480	493	509	rBV3	14234	50320	9.28%	1.098%
4	7.147	854	860	865	rBV6	2012	5466	1.01%	0.119%
5	7.885	970	981	985	rBV	73766	170289	31.39%	3.714%
6	7.946	985	991	1002	rVB	123626	279776	51.58%	6.102%
7	8.305	1041	1050	1061	rBV	74571	157860	29.10%	3.443%
8	8.842	1128	1138	1150	rBV	194038	389147	71.74%	8.488%
9	10.323	1372	1381	1388	rBV	310184	542455	100.00%	11.831%
10	10.390	1388	1392	1399	rVB	16906	29773	5.49%	0.649%
11	11.634	1588	1596	1605	rBV	261984	435765	80.33%	9.504%
12	11.738	1607	1613	1618	rBV2	4114	7756	1.43%	0.169%
13	11.841	1621	1630	1634	rBV8	3320	8611	1.59%	0.188%
14	12.164	1673	1683	1689	rBV6	5957	14453	2.66%	0.315%
15	12.372	1709	1717	1722	rBV3	12464	23947	4.41%	0.522%
16	12.475	1726	1734	1744	rBV	57857	97721	18.01%	2.131%
17	12.621	1751	1758	1766	rBV	196790	327401	60.36%	7.141%
18	12.725	1767	1775	1782	rVB	133937	232861	42.93%	5.079%
19	12.798	1782	1787	1792	rVB6	2512	5705	1.05%	0.124%
20	12.871	1792	1799	1801	rBV5	5947	10866	2.00%	0.237%
21	12.902	1801	1804	1807	rVV2	7651	11032	2.03%	0.241%
22	12.945	1807	1811	1818	rVV5	12366	27914	5.15%	0.609%
23	13.030	1818	1825	1829	rVB2	9358	16507	3.04%	0.360%
24	13.109	1831	1838	1845	rBV	8375	17539	3.23%	0.383%
25	13.176	1845	1849	1856	rVB8	3592	6324	1.17%	0.138%
26	13.256	1858	1862	1866	rVB2	6890	10446	1.93%	0.228%
27	13.475	1886	1898	1906	rBV4	25815	64144	11.82%	1.399%
28	13.560	1906	1912	1920	rVV	244002	405602	74.77%	8.846%
29	13.621	1920	1922	1931	rVV7	9239	16292	3.00%	0.355%
30	13.719	1935	1938	1940	rVV2	6629	8848	1.63%	0.193%
31	13.755	1940	1944	1947	rVV2	21415	36439	6.72%	0.795%
32	13.798	1947	1951	1959	rVB2	18579	37776	6.96%	0.824%
33	13.877	1960	1964	1970	rVV7	11522	19104	3.52%	0.417%
34	13.957	1972	1977	1983	rVV	9891	18167	3.35%	0.396%

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35	14.012	1983	1986	1988	rVV3	7037	10014	1.85%	0.218%
36	14.042	1989	1991	1995	rVV	10885	17078	3.15%	0.372%
37	14.103	1996	2001	2006	rVB	18747	34209	6.31%	0.746%
38	14.164	2008	2011	2014	rVV3	4971	6708	1.24%	0.146%
39	14.213	2014	2019	2024	rVB2	20343	34268	6.32%	0.747%
40	14.341	2035	2040	2044	rBV5	6547	13055	2.41%	0.285%
41	14.389	2044	2048	2051	rVV5	9243	15234	2.81%	0.332%
42	14.426	2051	2054	2057	rVV2	9817	14230	2.62%	0.310%
43	14.463	2057	2060	2064	rVV2	12033	17370	3.20%	0.379%
44	14.505	2064	2067	2070	rVV3	11742	16051	2.96%	0.350%
45	14.542	2070	2073	2080	rVB6	10057	18310	3.38%	0.399%
46	14.652	2080	2091	2094	rBV2	13081	29044	5.35%	0.633%
47	14.694	2094	2098	2102	rVV4	18184	37866	6.98%	0.826%
48	14.731	2102	2104	2110	rVB2	18956	27103	5.00%	0.591%
49	14.816	2110	2118	2123	rBV4	45946	104686	19.30%	2.283%
50	14.859	2123	2125	2132	rVB4	10198	16602	3.06%	0.362%
51	14.963	2137	2142	2149	rVB2	31875	55139	10.16%	1.203%
52	15.042	2149	2155	2156	rBV6	8645	15281	2.82%	0.333%
53	15.072	2156	2160	2164	rBV4	22670	38813	7.16%	0.847%
54	15.188	2173	2179	2185	rVB3	19320	47103	8.68%	1.027%
55	15.341	2198	2204	2207	rBV7	9078	19510	3.60%	0.426%
56	15.426	2212	2218	2223	rBV	22244	43696	8.06%	0.953%
57	15.481	2223	2227	2231	rBV5	10517	22579	4.16%	0.492%
58	15.560	2238	2240	2248	rVB7	16315	28323	5.22%	0.618%
59	15.664	2250	2257	2263	rBV4	19118	46280	8.53%	1.009%
60	15.737	2266	2269	2274	rVV7	5348	8593	1.58%	0.187%
61	15.828	2274	2284	2286	rVV4	15413	33706	6.21%	0.735%
62	15.871	2286	2291	2299	rVV2	40811	85132	15.69%	1.857%
63	15.962	2301	2306	2309	rVV7	6975	13303	2.45%	0.290%
64	16.048	2312	2320	2332	rVB7	17884	65162	12.01%	1.421%
65	16.188	2333	2343	2350	rBV3	25749	64899	11.96%	1.415%
66	16.383	2368	2375	2382	rBV3	23176	47043	8.67%	1.026%
67	16.450	2382	2386	2391	rBV5	8211	15368	2.83%	0.335%
68	16.657	2411	2420	2422	rBV10	8090	20550	3.79%	0.448%

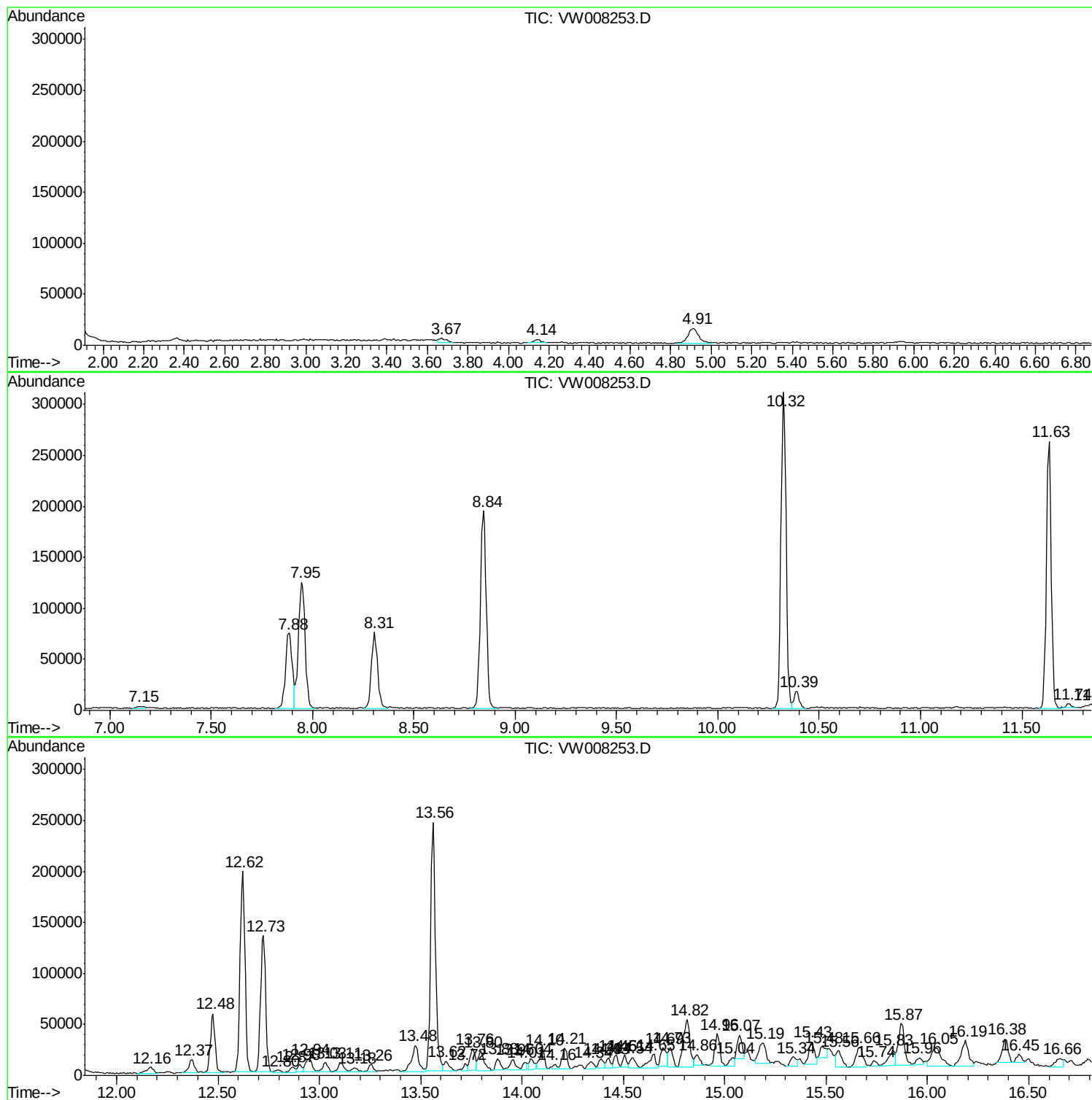
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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



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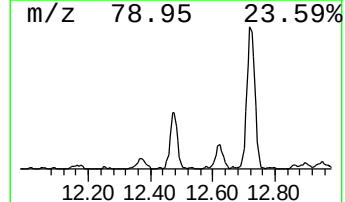
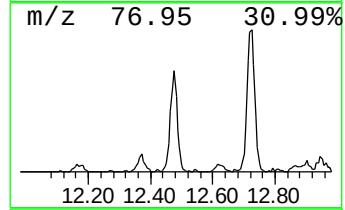
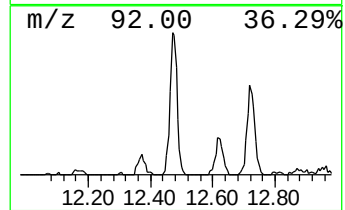
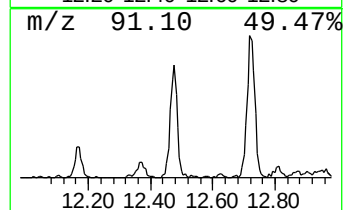
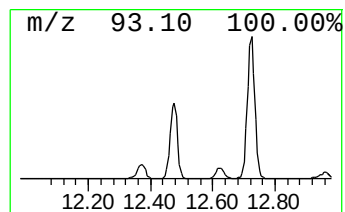
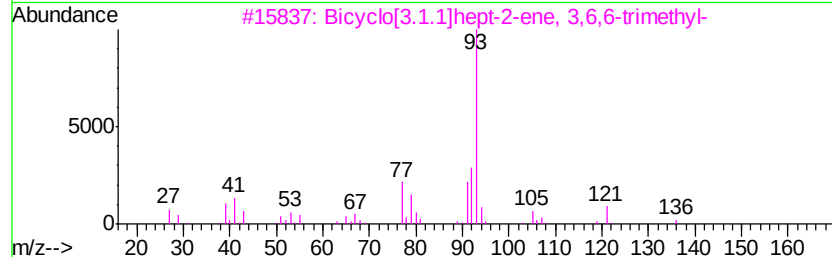
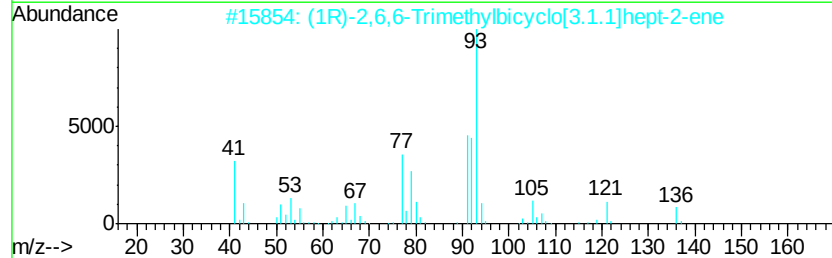
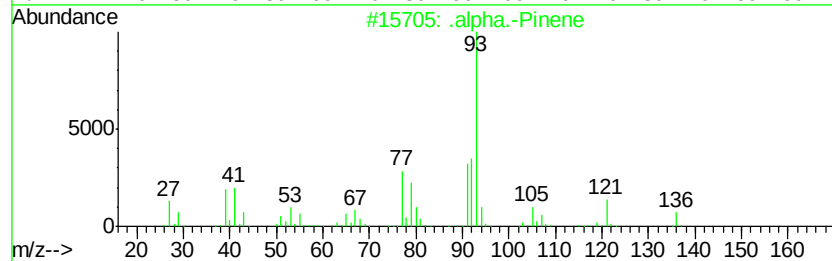
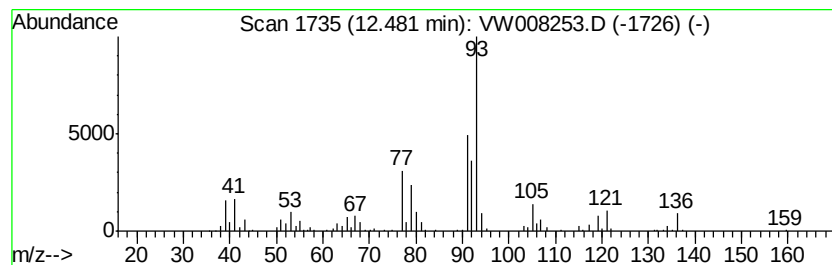
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 1 .alpha.-Pinene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	11.21 ug/l	97721	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-Pinene	136	C10H16	000080-56-8	97
2		(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	96
3		Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4		(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
5		3-Carene	136	C10H16	013466-78-9	81



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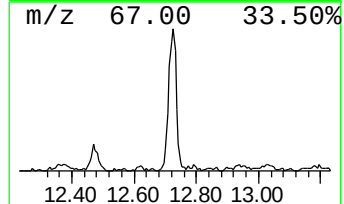
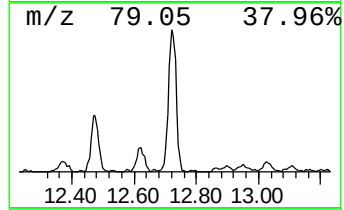
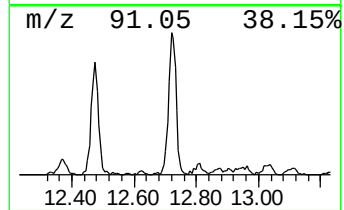
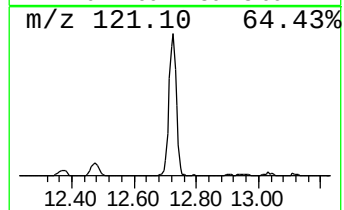
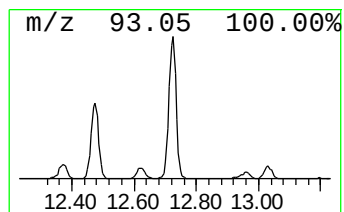
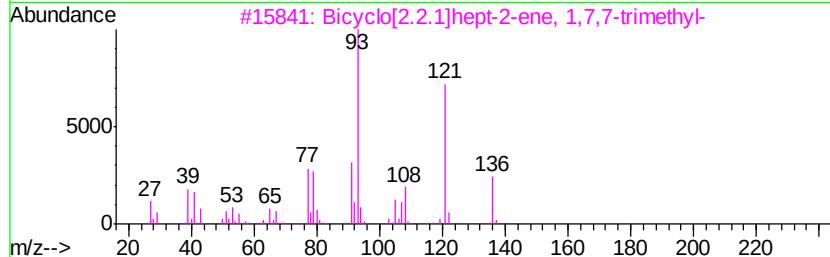
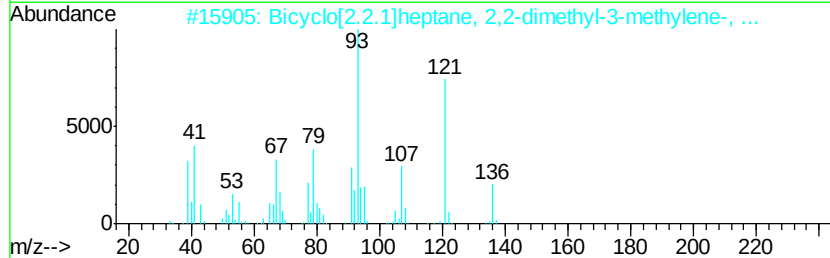
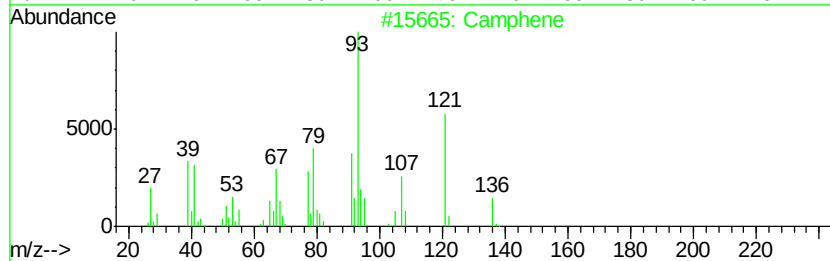
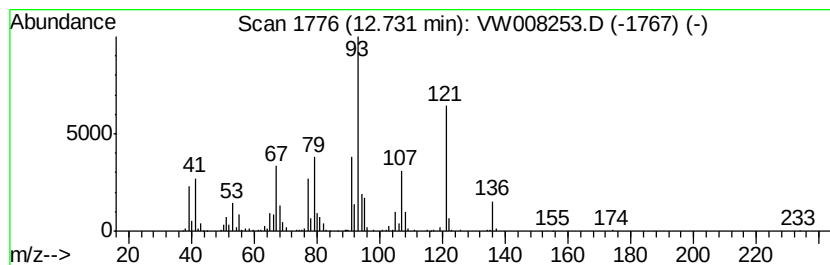
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 2 Camphene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	28.71 ug/l	232861	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Camphene	136	C10H16	000079-92-5	97
2		Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	97
3		Bicyclo[2.2.1]hept-2-ene, 1,7,7-...	136	C10H16	000464-17-5	81
4		2-Carene	136	C10H16	000554-61-0	81
5		(+)-4-Carene	136	C10H16	029050-33-7	74



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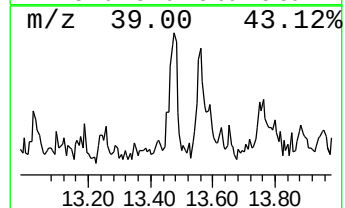
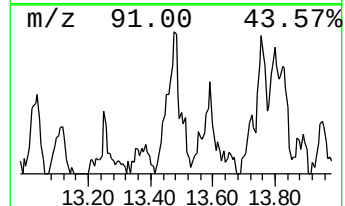
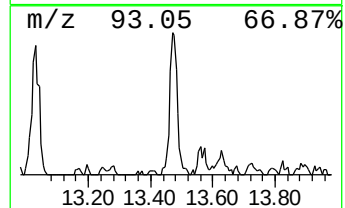
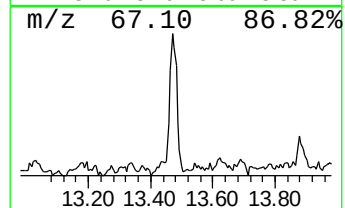
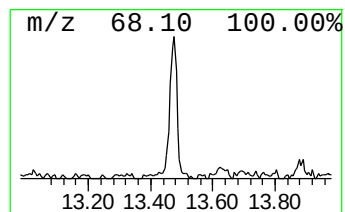
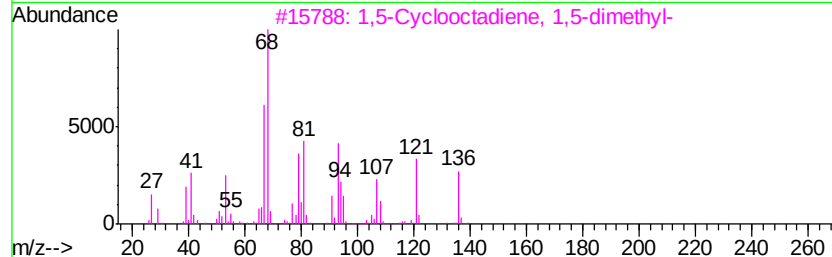
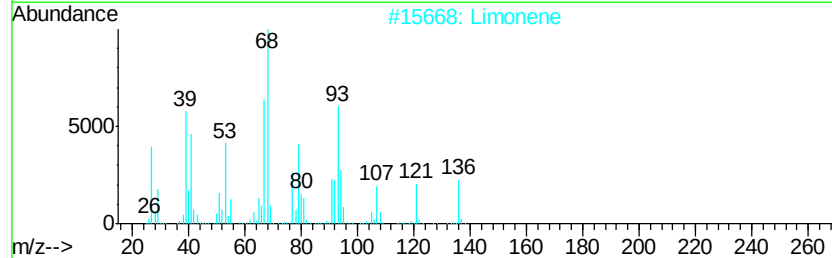
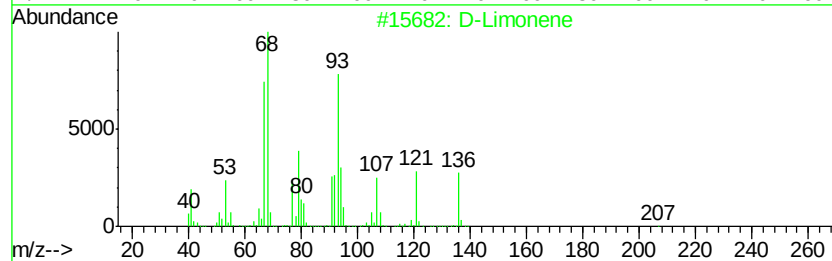
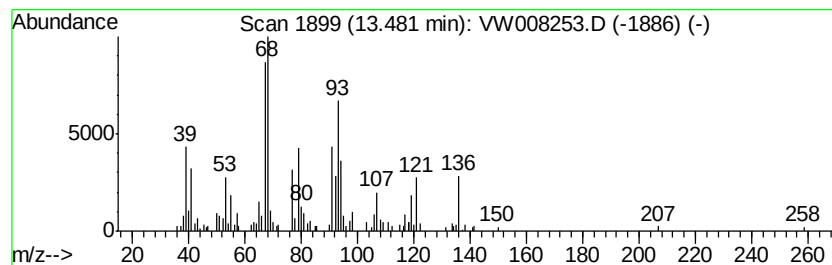
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Quant Title : SW846 8260

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

Peak Number 3 D-Limonene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	7.91 ug/l	64144	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Limonene	136	C10H16	005989-27-5	94
2		Limonene	136	C10H16	000138-86-3	91
3		1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	90
4		Cyclohexene, 1-methyl-4-(1-methyl-...	136	C10H16	005989-54-8	64
5		7-Methylene-9-oxa-bicyclo[3.3.1]...	136	C9H12O	1000193-85-5	49



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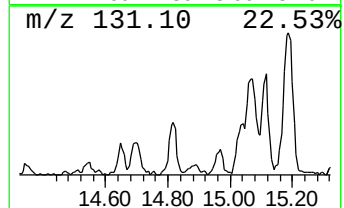
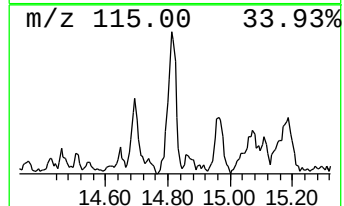
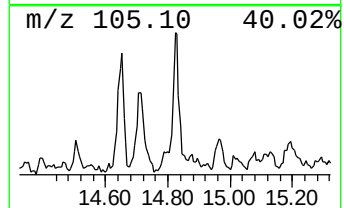
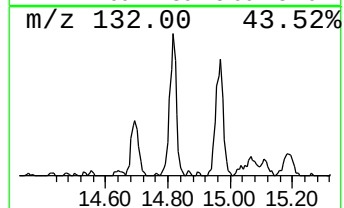
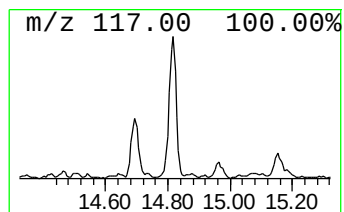
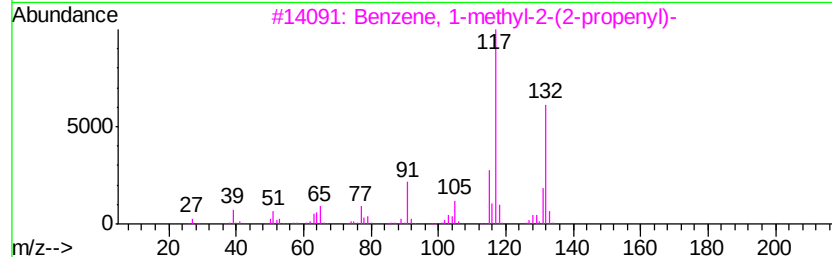
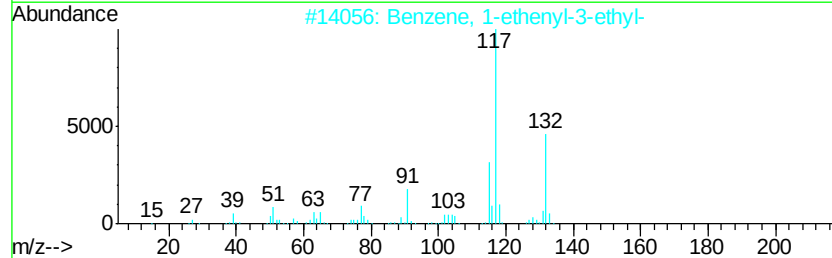
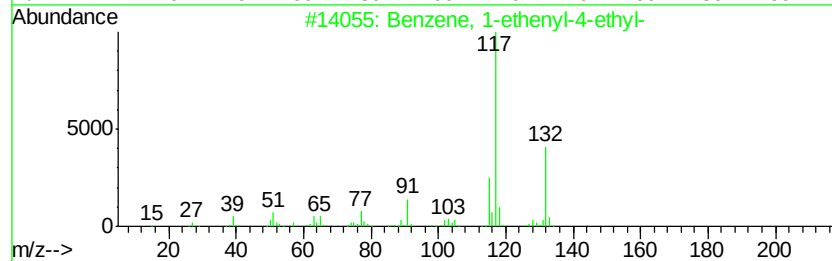
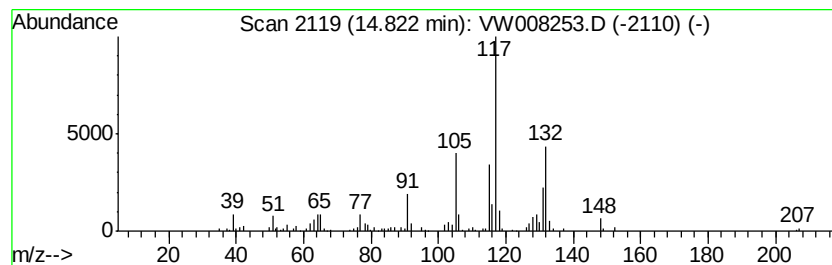
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.82	12.91 ug/l	104686	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93	
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93	
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93	
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87	
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87	



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Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

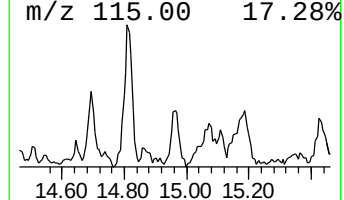
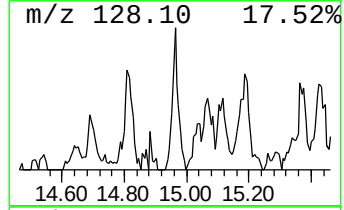
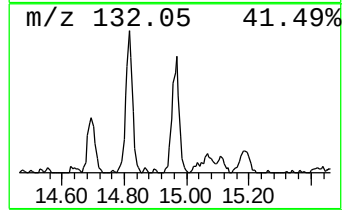
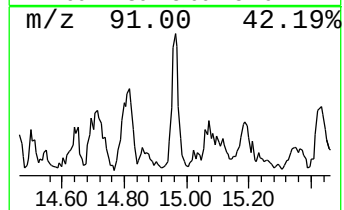
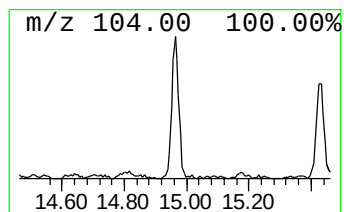
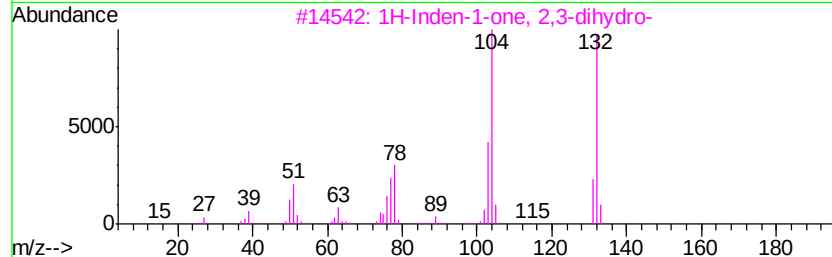
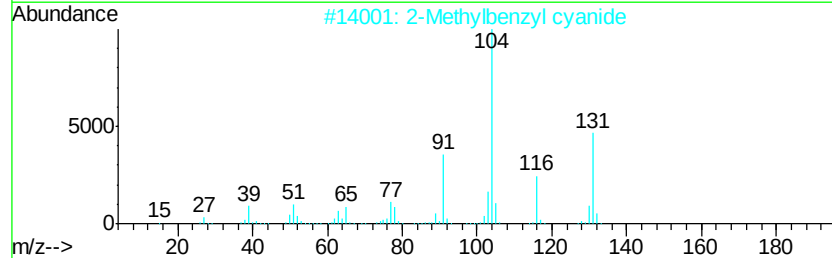
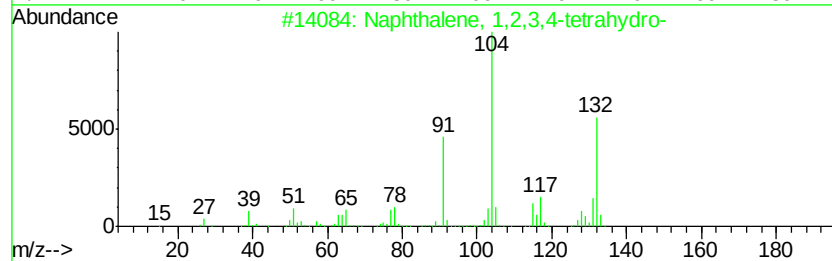
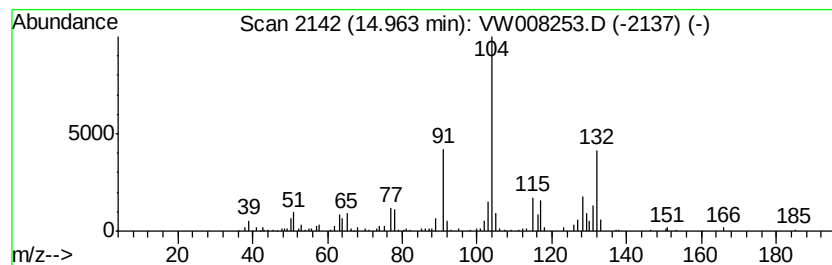
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	6.80 ug/l	55139	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2		2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	60
3		1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	41
4		2-Methylbenzyl alcohol, heptaflu...	318	C12H9F7O2	1000364-51-2	38
5		2-Furanone, 4-phenyltetrahydro	162	C10H10O2	1000197-38-4	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

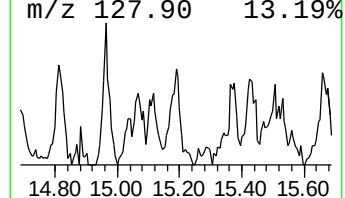
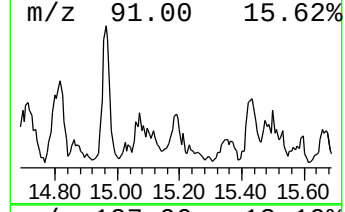
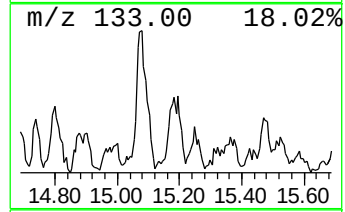
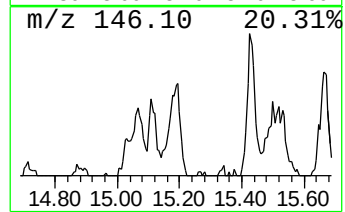
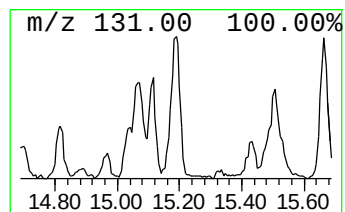
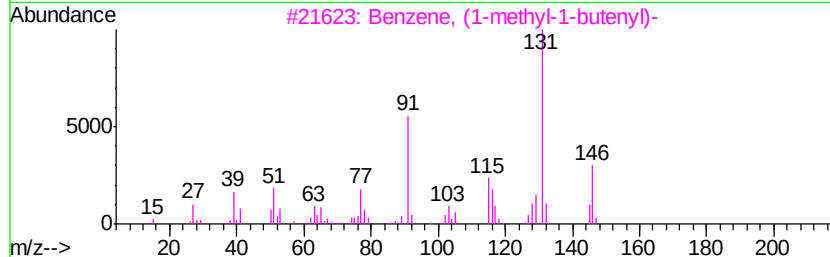
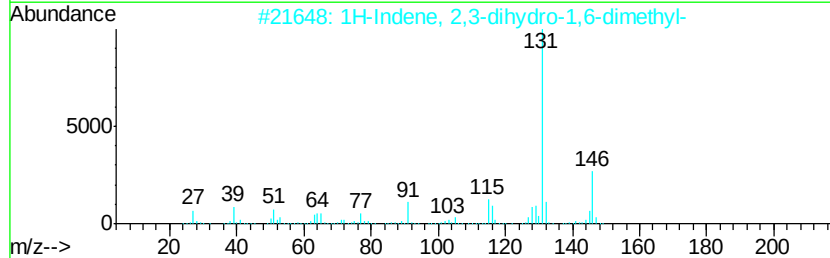
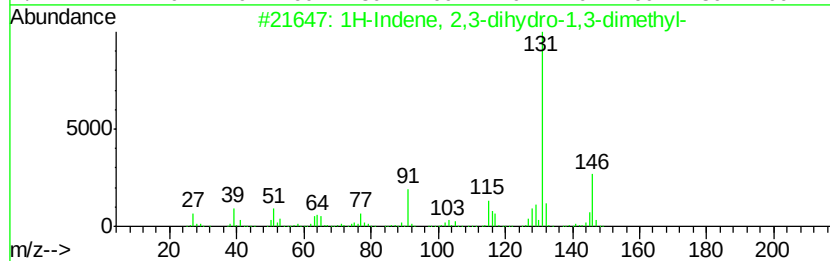
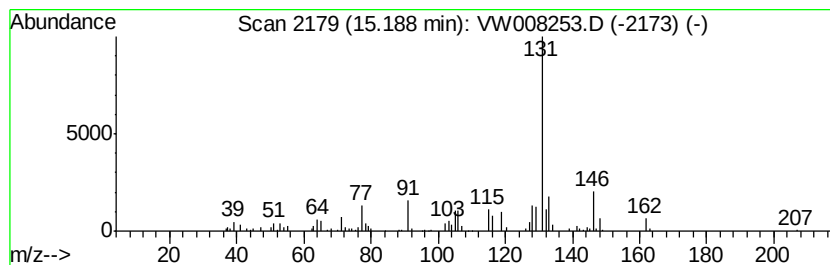
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.81 ug/l	47103	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
2		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	68
4		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

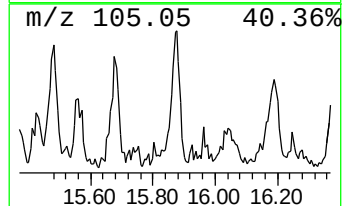
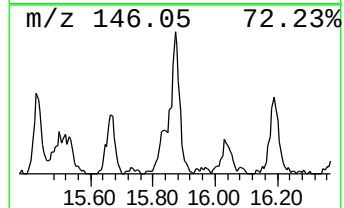
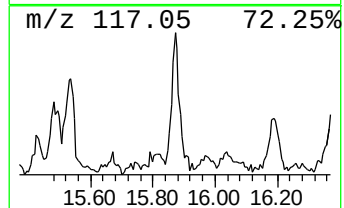
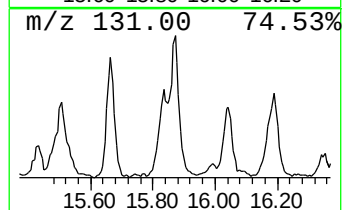
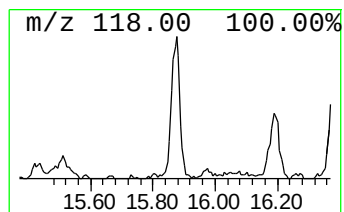
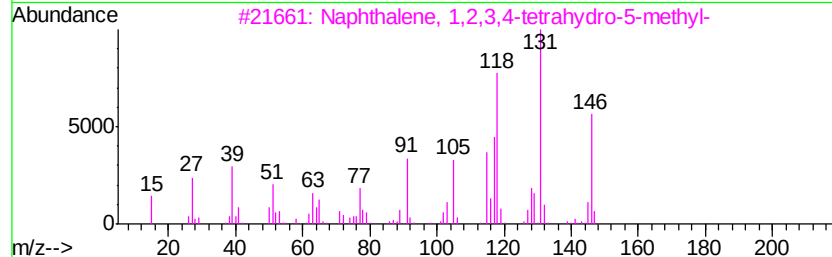
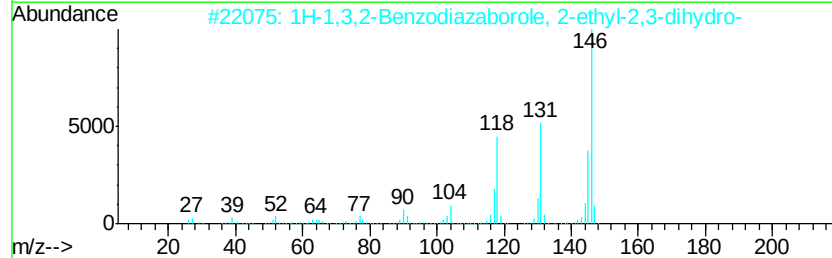
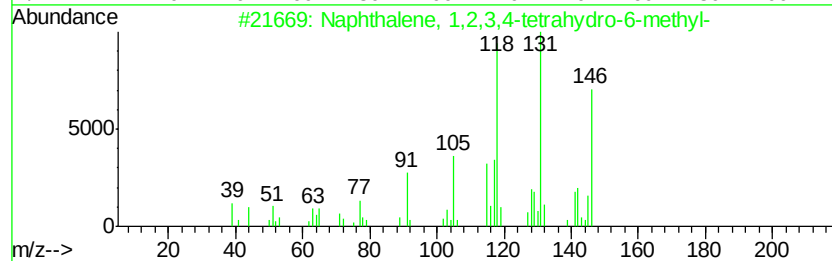
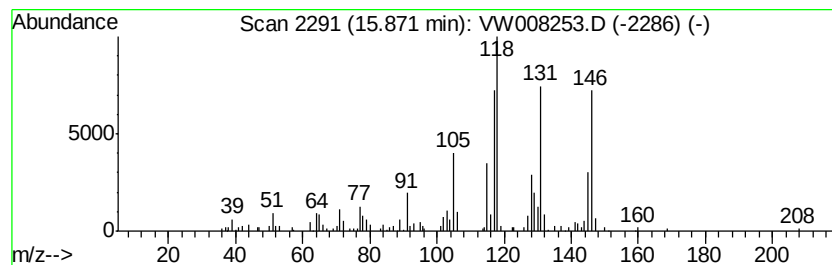
Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	10.49 ug/l	85132	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 81
2		1H-1,3,2-Benzodiazaborole, 2-eth...	146 C8H11BN2	074663-81-3 58
3		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 58
4		2-Propyn-1-ol, 3-(4-methylphenyl)-	146 C10H10O	016017-24-6 53
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

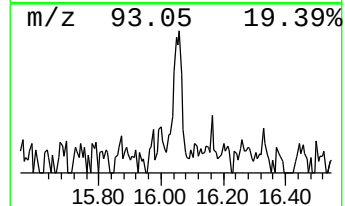
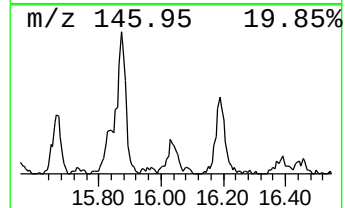
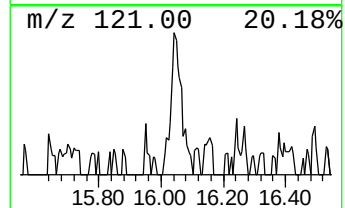
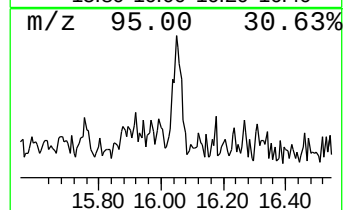
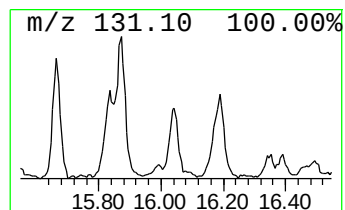
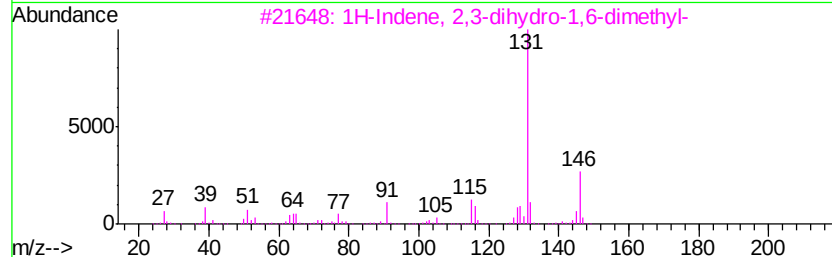
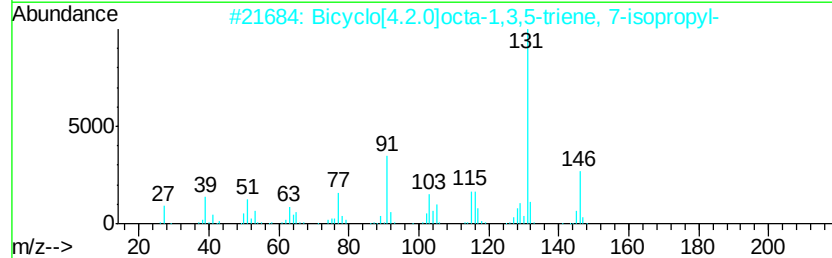
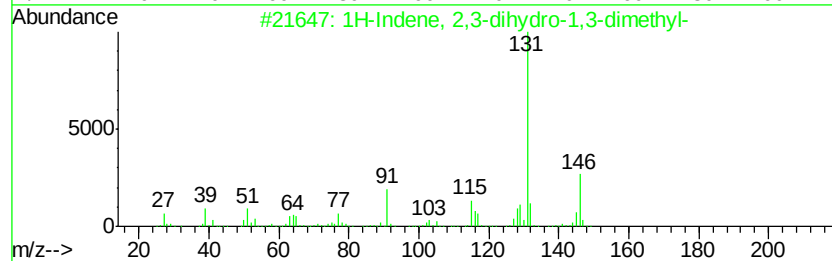
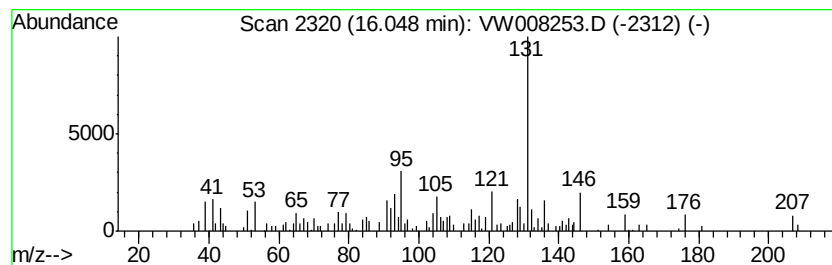
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Quant Title : SW846 8260

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

Peak Number 8 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	8.03 ug/l	65162	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	64
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	58
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58
4		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	52
5		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

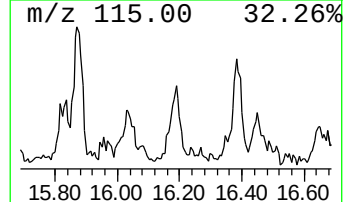
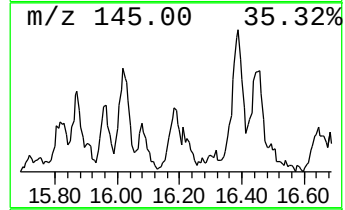
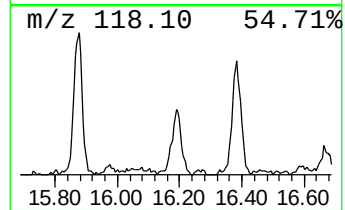
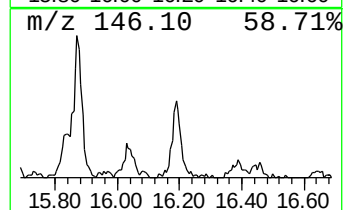
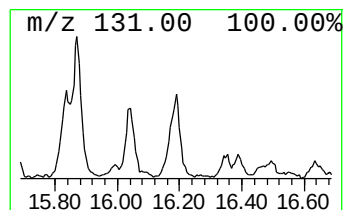
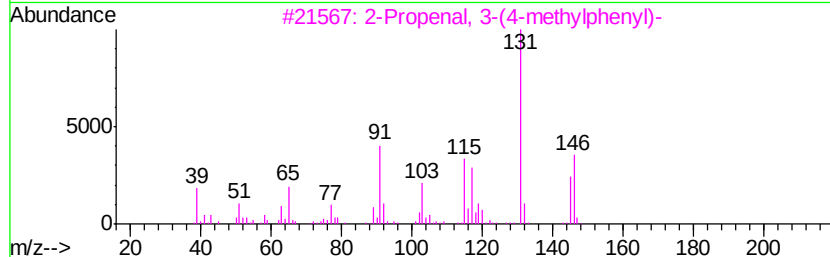
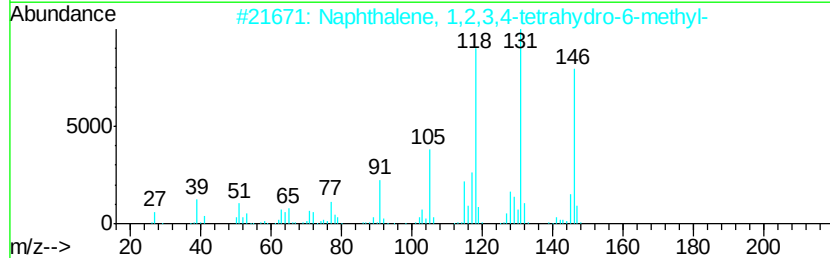
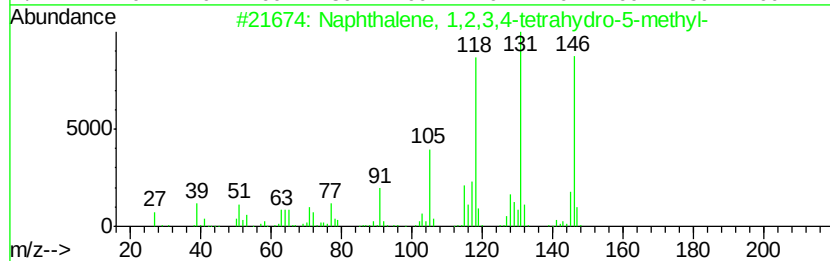
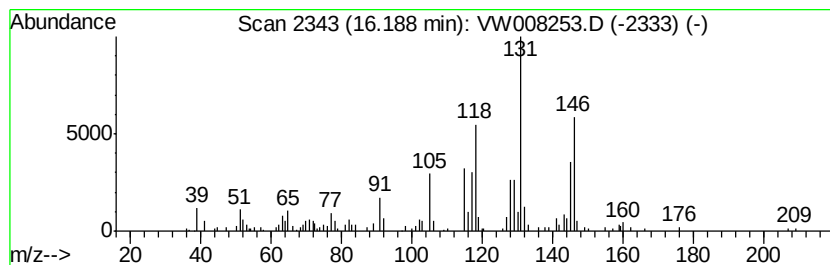
Instrument :
MSVOA_W
ClientSampled :
SU-02-011119-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	8.00 ug/l	64899	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	002809-64-5 87
2		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 83
3		2-Propenal, 3-(4-methylphenyl)-	146 C10H10O	001504-75-2 83
4		Benzene, 2-ethenyl-1,3,5-trimethyl-	146 C11H14	000769-25-5 58
5		1H-Benzimidazole, 5,6-dimethyl-	146 C9H10N2	000582-60-5 58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW011419\
Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

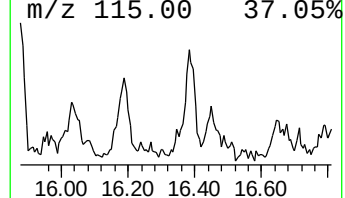
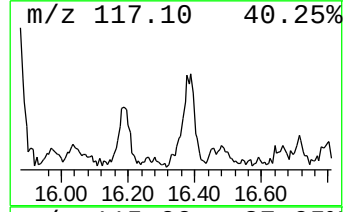
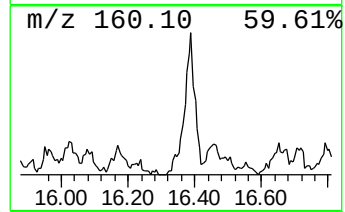
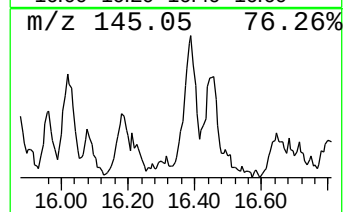
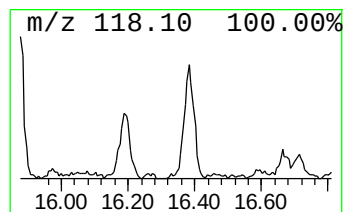
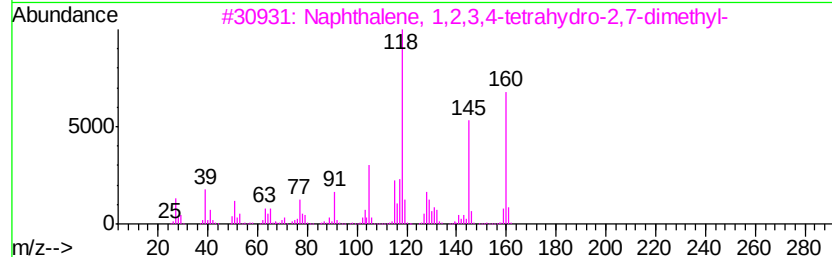
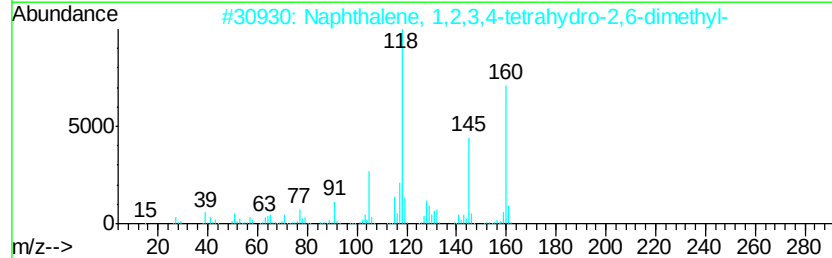
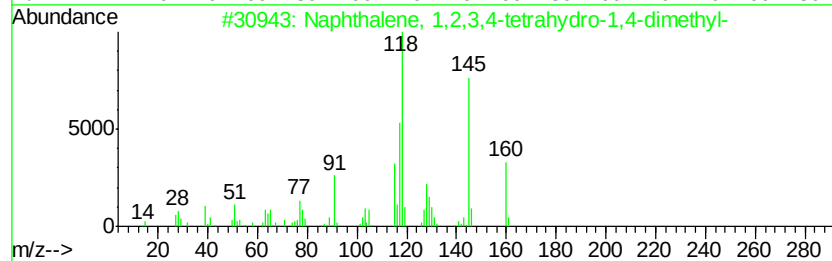
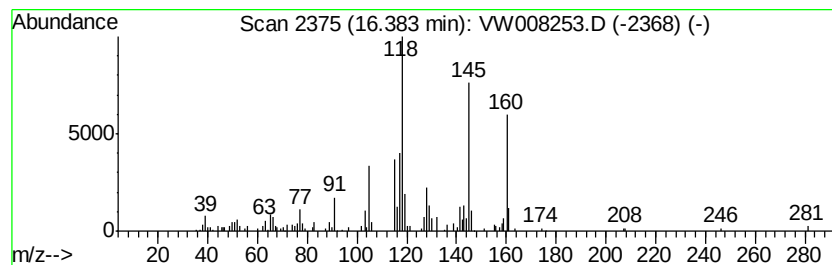
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	5.80 ug/l	47043	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	90
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	87
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	78
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	70



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011419\
Data File : VW008253.D
Acq On : 14 Jan 2019 17:58
Operator : SY/VA
Sample : K1015-07
Misc : 6.30G/5ML/MSVOA_W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SU-02-011119-B

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Camphene	12.73	28.7	ug/l	232861	4	13.56	405602	50.0
D-Limonene	13.48	7.9	ug/l	64144	4	13.56	405602	50.0
Benzene, 1-etheny...	14.82	12.9	ug/l	104686	4	13.56	405602	50.0
Naphthalene, 1,2,...	14.96	6.8	ug/l	55139	4	13.56	405602	50.0
1H-Indene, 2,3-di...	15.19	5.8	ug/l	47103	4	13.56	405602	50.0
Naphthalene, 1,2,...	15.87	10.5	ug/l	85132	4	13.56	405602	50.0
Bicyclo[4.2.0]oct...	16.05	8.0	ug/l	65162	4	13.56	405602	50.0
Naphthalene, 1,2,...	16.19	8.0	ug/l	64899	4	13.56	405602	50.0
Naphthalene, 1,2,...	16.38	5.8	ug/l	47043	4	13.56	405602	50.0