

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013264.D
 Acq On : 24 Sep 2019 07:40
 Operator : SY/VA
 Sample : K5008-04
 Misc : 5.58G/5ML/MSVOA W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4

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\82W092019S.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	2.148	33	40	52	rBV	25006	46977	2.47%	0.243%
2	2.812	134	149	164	rVB	12037	72206	3.80%	0.373%
3	4.909	479	493	511	rBV7	24657	102919	5.41%	0.532%
4	6.976	823	832	841	rVB4	7256	21181	1.11%	0.110%
5	7.878	970	980	985	rBV	220514	559660	29.43%	2.894%
6	7.939	985	990	999	rVV	480233	1098434	57.77%	5.679%
7	8.025	999	1004	1015	rVB3	17045	44500	2.34%	0.230%
8	8.146	1017	1024	1032	rBV2	50924	115038	6.05%	0.595%
9	8.299	1040	1049	1061	rBV	219328	473699	24.91%	2.449%
10	8.427	1061	1070	1073	rVV4	16866	43826	2.30%	0.227%
11	8.476	1073	1078	1088	rVV3	28209	93361	4.91%	0.483%
12	8.567	1088	1093	1103	rVV4	12492	29566	1.55%	0.153%
13	8.689	1103	1113	1121	rVB3	30396	63918	3.36%	0.330%
14	8.835	1126	1137	1149	rBV	650537	1330131	69.95%	6.877%
15	9.329	1203	1218	1223	rBV	60209	157218	8.27%	0.813%
16	9.384	1223	1227	1235	rVB3	20529	39842	2.10%	0.206%
17	9.512	1243	1248	1253	rVB4	9723	19722	1.04%	0.102%
18	9.604	1253	1263	1269	rBV6	12817	32740	1.72%	0.169%
19	9.750	1281	1287	1297	rVB4	23521	50650	2.66%	0.262%
20	9.890	1306	1310	1315	rVB	22270	38654	2.03%	0.200%
21	9.957	1315	1321	1325	rBV	49648	92956	4.89%	0.481%
22	10.091	1335	1343	1354	rBV	56308	129003	6.78%	0.667%
23	10.323	1373	1381	1393	rBV	1041441	1901479	100.00%	9.831%
24	10.506	1404	1411	1416	rVB4	40159	85687	4.51%	0.443%
25	10.658	1432	1436	1440	rBV2	14019	27044	1.42%	0.140%
26	10.701	1440	1443	1447	rVV	26968	45396	2.39%	0.235%
27	10.756	1447	1452	1461	rVB7	16935	43468	2.29%	0.225%
28	10.841	1461	1466	1472	rVB2	11484	22793	1.20%	0.118%
29	10.933	1475	1481	1486	rBV2	16918	28304	1.49%	0.146%
30	11.036	1486	1498	1506	rBV3	20738	69458	3.65%	0.359%
31	11.176	1517	1521	1525	rVB2	17064	25313	1.33%	0.131%
32	11.225	1525	1529	1534	rVB3	17746	28054	1.48%	0.145%
33	11.335	1542	1547	1551	rVV4	14838	29065	1.53%	0.150%
34	11.408	1554	1559	1570	rVB4	37744	98388	5.17%	0.509%

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35	11.512	1571	1576	1581	rVB	31615	47832	2.52%	0.247%
36	11.628	1588	1595	1603	rBV	885816	1485888	78.14%	7.682%
37	11.731	1607	1612	1615	rBV3	24236	39815	2.09%	0.206%
38	11.871	1633	1635	1639	rVV	17268	21592	1.14%	0.112%
39	11.914	1639	1642	1647	rVB2	16765	28232	1.48%	0.146%
40	12.140	1673	1679	1685	rBV6	23450	56191	2.96%	0.291%
41	12.249	1691	1697	1701	rVB2	27639	43914	2.31%	0.227%
42	12.335	1701	1711	1712	rBV7	27285	54177	2.85%	0.280%
43	12.536	1742	1744	1747	rVV2	17698	20747	1.09%	0.107%
44	12.615	1751	1757	1767	rVB2	759419	1324710	69.67%	6.849%
45	12.792	1780	1786	1791	rBV3	28756	83744	4.40%	0.433%
46	12.853	1791	1796	1800	rBV6	33653	78460	4.13%	0.406%
47	12.987	1816	1818	1824	rVB4	30766	43159	2.27%	0.223%
48	13.079	1829	1833	1836	rBV4	23773	37560	1.98%	0.194%
49	13.127	1837	1841	1843	rVV2	17670	27614	1.45%	0.143%
50	13.164	1843	1847	1854	rVB2	82543	124784	6.56%	0.645%
51	13.249	1857	1861	1865	rVV	68158	115717	6.09%	0.598%
52	13.292	1865	1868	1873	rVV6	45845	102636	5.40%	0.531%
53	13.341	1873	1876	1880	rVV3	38048	63168	3.32%	0.327%
54	13.377	1880	1882	1885	rVV3	18862	20368	1.07%	0.105%
55	13.444	1886	1893	1897	rVV4	87249	198506	10.44%	1.026%
56	13.481	1897	1899	1903	rVV2	67512	98910	5.20%	0.511%
57	13.517	1903	1905	1906	rVV	34445	33336	1.75%	0.172%
58	13.554	1906	1911	1919	rVB	845779	1370975	72.10%	7.088%
59	13.621	1919	1922	1929	rVB3	41709	62750	3.30%	0.324%
60	13.719	1930	1938	1941	rBV3	32459	79509	4.18%	0.411%
61	13.755	1941	1944	1948	rVB	30231	43664	2.30%	0.226%
62	13.798	1948	1951	1953	rBV2	26351	34911	1.84%	0.180%
63	13.877	1959	1964	1968	rBV2	133083	231431	12.17%	1.197%
64	13.920	1968	1971	1975	rVV2	45248	61329	3.23%	0.317%
65	13.975	1977	1980	1984	rVV4	38762	55562	2.92%	0.287%
66	14.036	1984	1990	1993	rVV4	49583	113171	5.95%	0.585%
67	14.091	1993	1999	2003	rVB2	115019	228598	12.02%	1.182%
68	14.133	2003	2006	2012	rVB3	52661	77843	4.09%	0.402%
69	14.206	2012	2018	2023	rVB5	72657	130652	6.87%	0.675%
70	14.261	2023	2027	2033	rBV6	45920	95892	5.04%	0.496%
71	14.347	2034	2041	2043	rBV3	78678	159869	8.41%	0.827%

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72	14.389	2043	2048	2051	rBV2	148114	219995	11.57%	1.137%
73	14.499	2062	2066	2069	rBV3	90338	128556	6.76%	0.665%
74	14.548	2070	2074	2079	rVV5	92797	159107	8.37%	0.823%
75	14.603	2080	2083	2088	rVB4	28893	42694	2.25%	0.221%
76	14.694	2093	2098	2101	rBV3	67873	133230	7.01%	0.689%
77	14.798	2109	2115	2119	rBV4	224755	484022	25.46%	2.502%
78	14.840	2119	2122	2130	rVB2	223779	444883	23.40%	2.300%
79	14.962	2138	2142	2146	rVB4	63768	100984	5.31%	0.522%
80	15.060	2154	2158	2163	rVB3	113668	180085	9.47%	0.931%
81	15.170	2171	2176	2185	rBV4	106385	250283	13.16%	1.294%
82	15.328	2197	2202	2206	rBV2	193079	349629	18.39%	1.808%
83	15.474	2221	2226	2227	rBV4	68104	106539	5.60%	0.551%
84	15.657	2248	2256	2263	rBV3	133625	345601	18.18%	1.787%
85	15.730	2264	2268	2275	rVB6	81113	158146	8.32%	0.818%
86	15.865	2286	2290	2295	rVB2	118184	210982	11.10%	1.091%
87	15.950	2300	2304	2309	rVB5	54821	81455	4.28%	0.421%
88	16.176	2334	2341	2345	rBV3	103464	245646	12.92%	1.270%
89	16.285	2355	2359	2364	rVB3	65998	110259	5.80%	0.570%
90	16.371	2369	2373	2379	rVV3	111523	237835	12.51%	1.230%
91	16.444	2379	2385	2397	rVB	196688	488314	25.68%	2.525%
92	16.645	2410	2418	2431	rVB	347196	905712	47.63%	4.683%

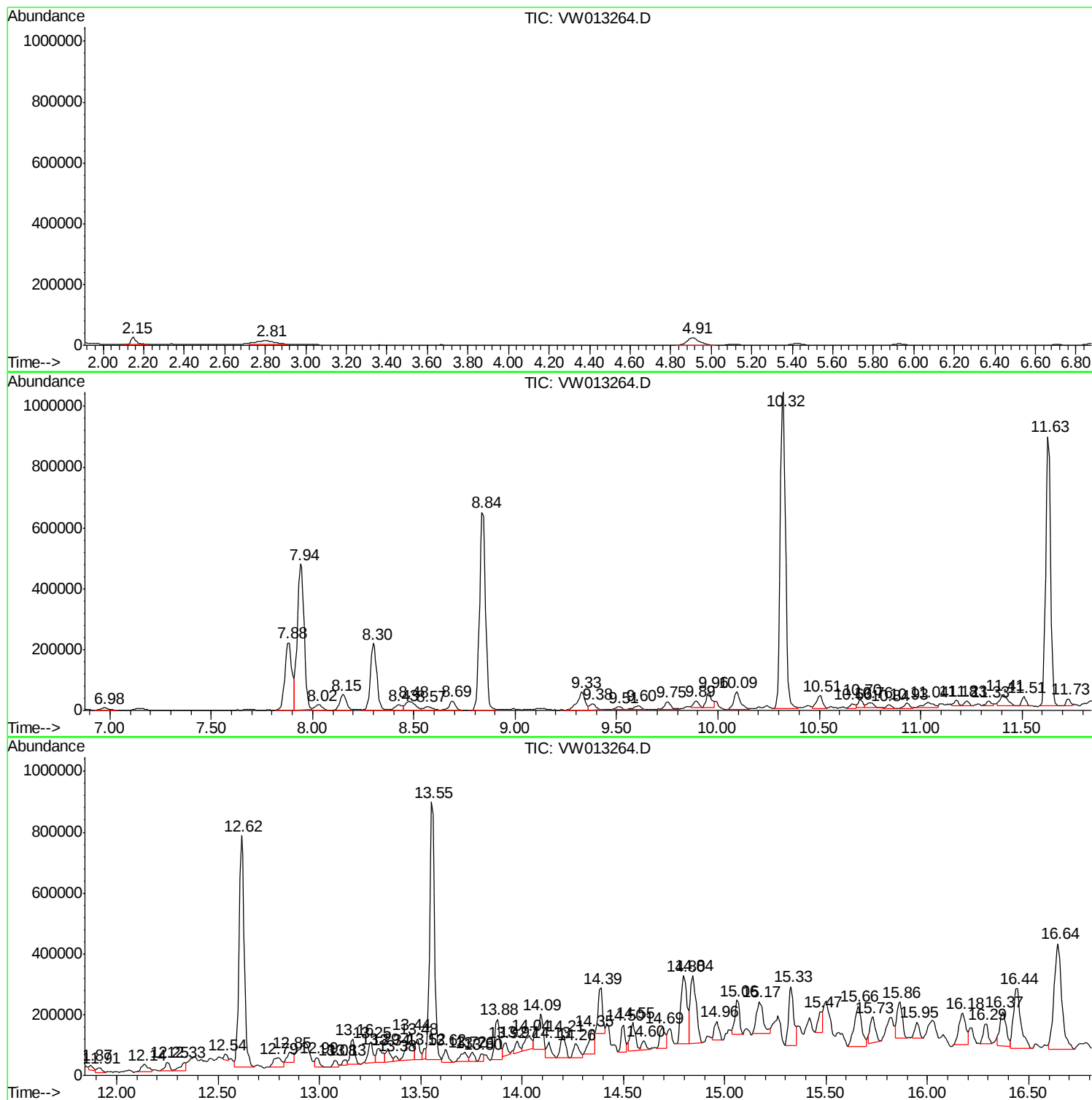
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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



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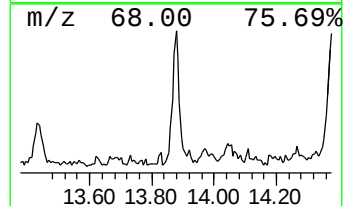
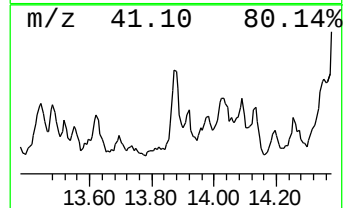
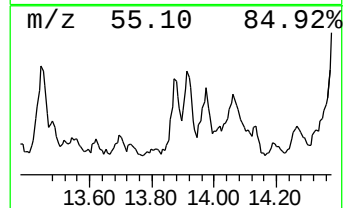
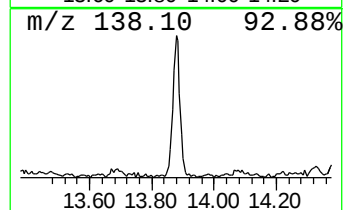
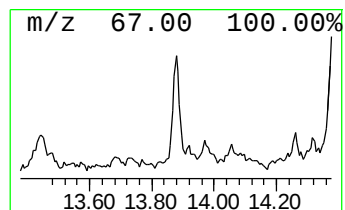
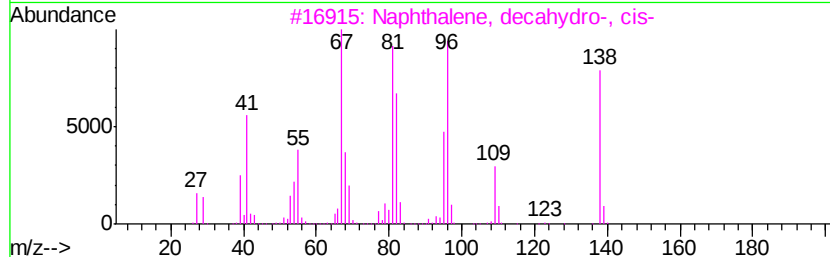
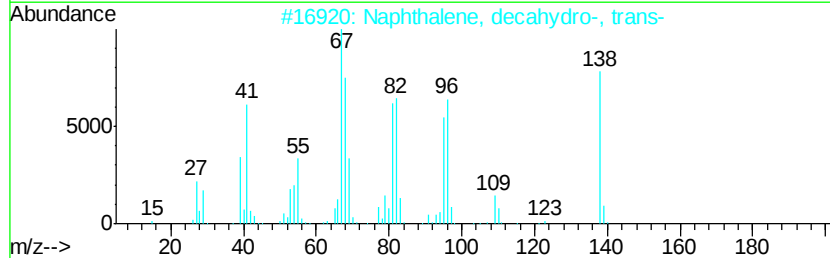
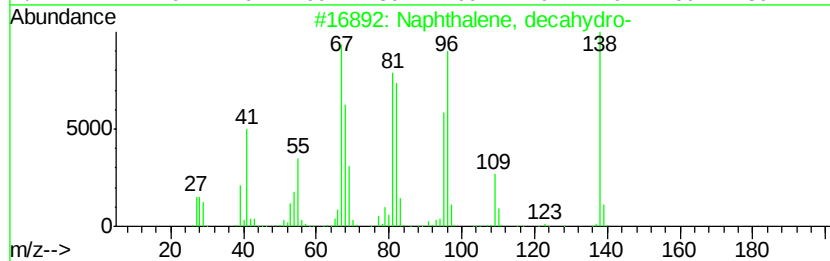
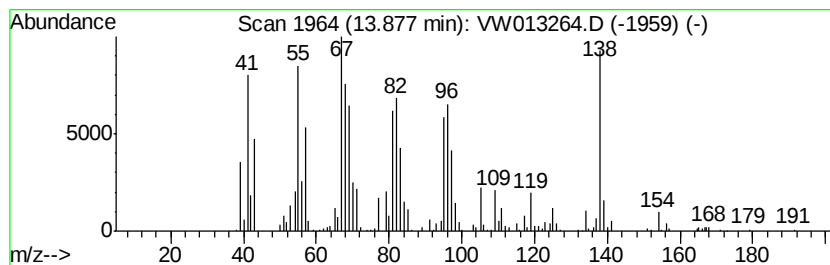
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 1 Naphthalene, decahydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	8.44 ug/l	231431	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	90
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	64
4		Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	60
5		Spiro[4.4]nonan-2-one	138	C9H14O	034177-18-9	53



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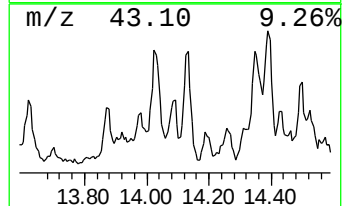
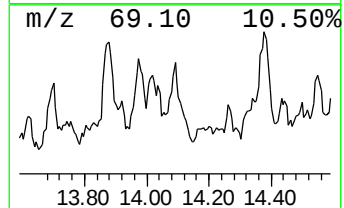
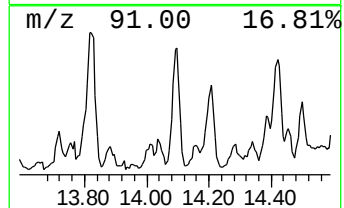
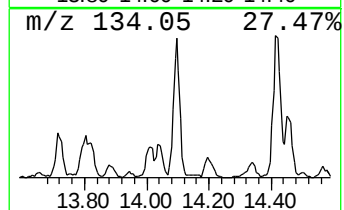
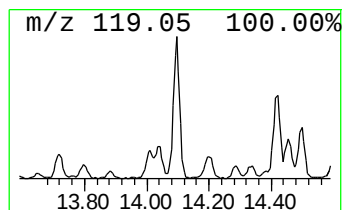
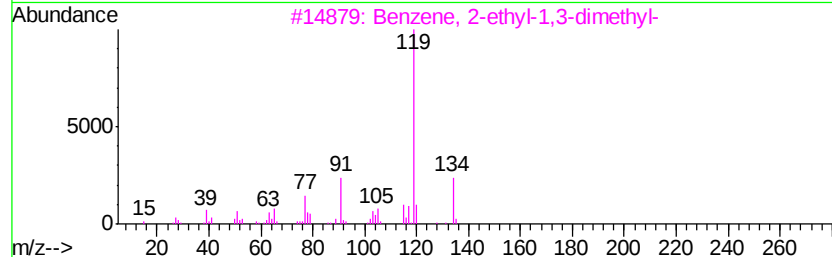
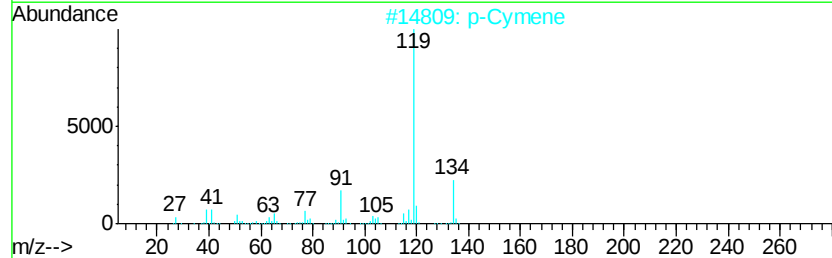
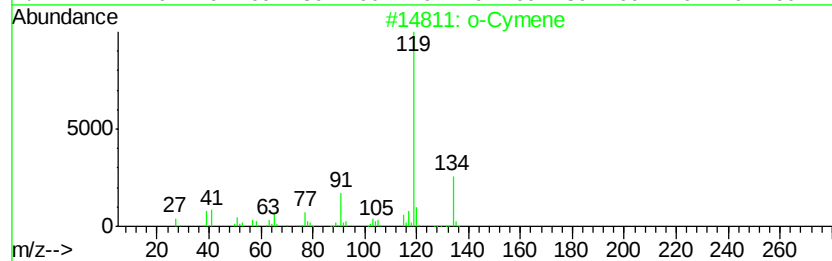
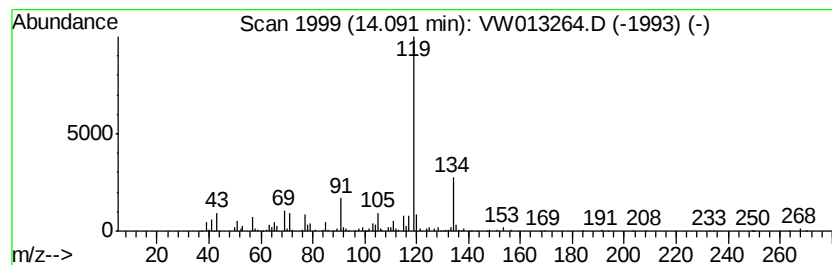
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 2 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	8.34 ug/l	228598	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	94
2		p-Cymene	134	C10H14	000099-87-6	94
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93



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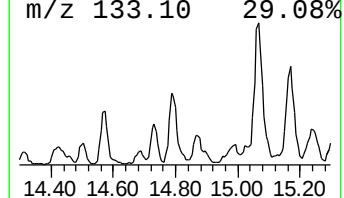
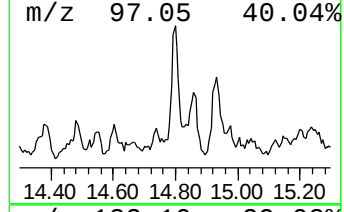
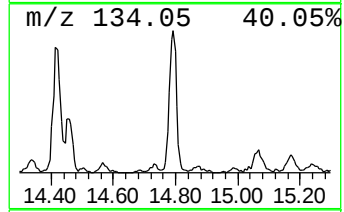
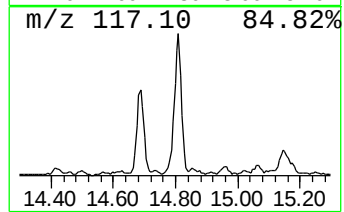
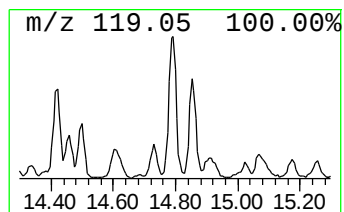
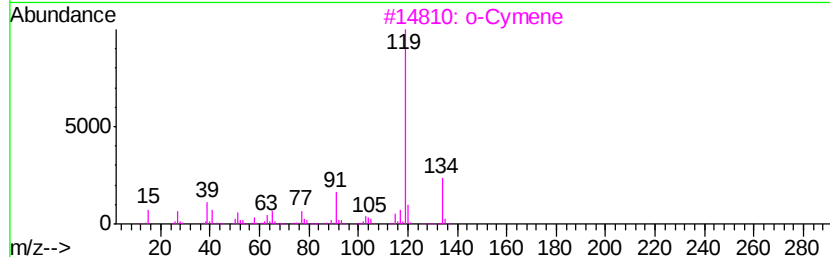
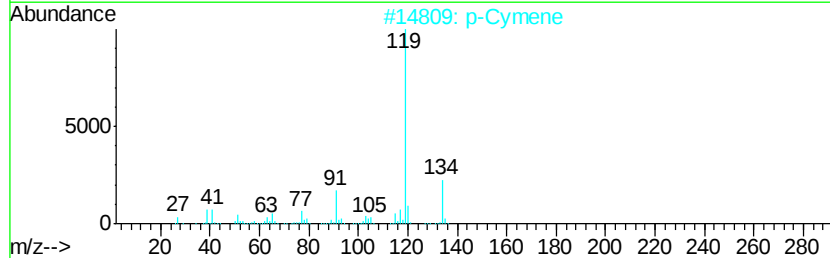
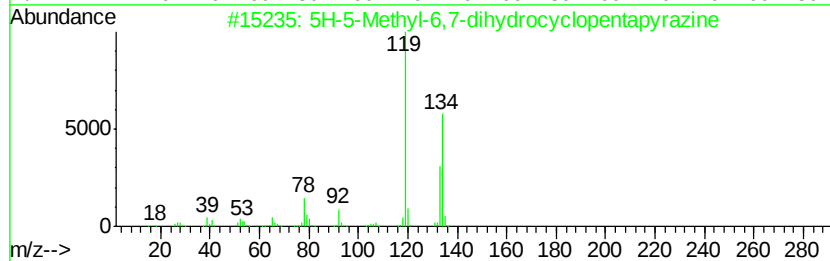
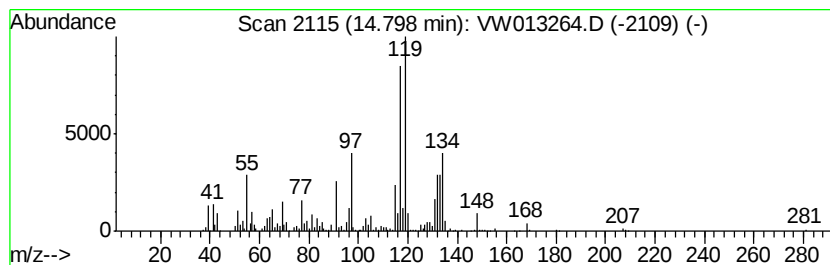
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Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 unknown14.80 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	17.65 ug/l	484022	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	43
2		p-Cymene	134	C10H14	000099-87-6	42
3		o-Cymene	134	C10H14	000527-84-4	42
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	38
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38



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Sample : K5008-04
Misc : 5.58G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4

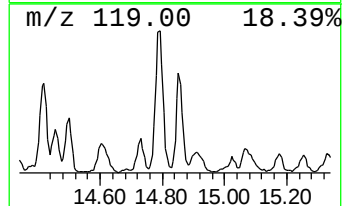
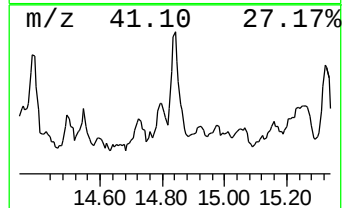
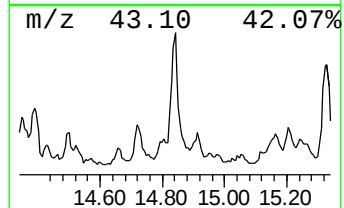
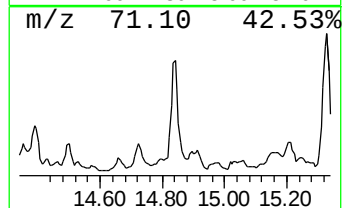
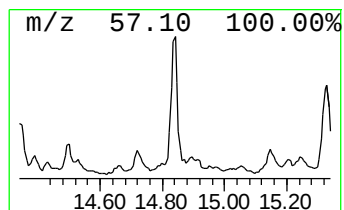
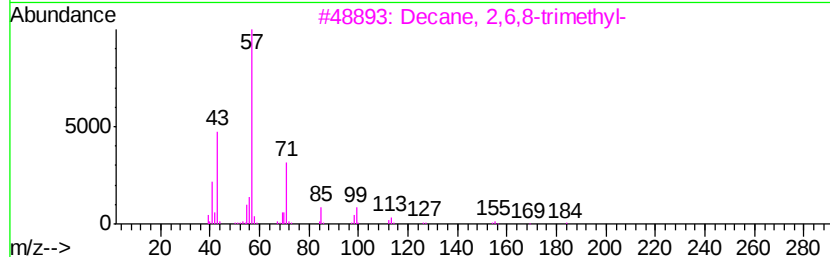
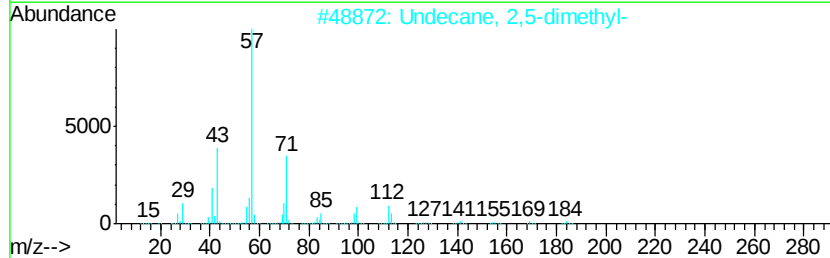
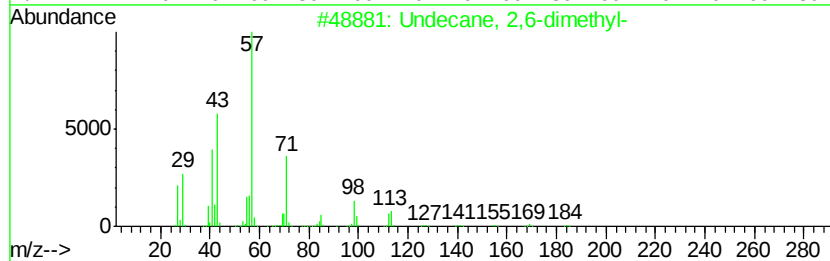
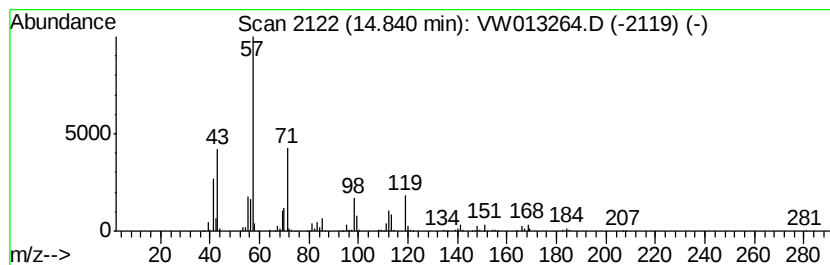
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Quant Title : SW846 8260

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

Peak Number 4 Undecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	16.23 ug/l	444883	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74
2		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
3		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	50
4		2,2-Dimethyl-3-octanone	156	C10H20O	005340-64-7	47
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	47



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013264.D
Acq On : 24 Sep 2019 07:40
Operator : SY/VA
Sample : K5008-04
Misc : 5.58G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
SB-4

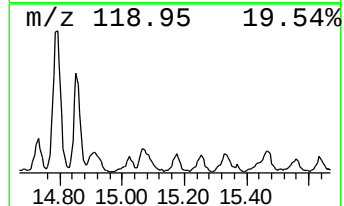
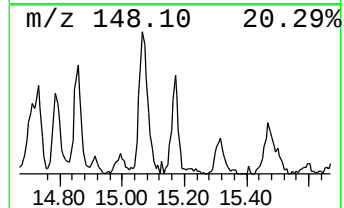
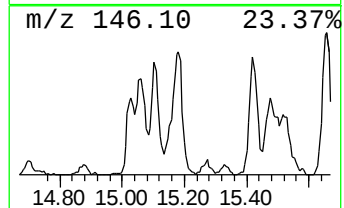
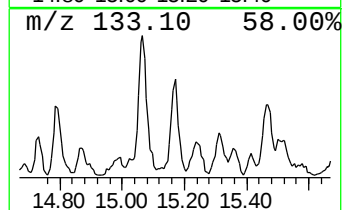
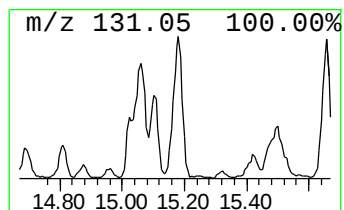
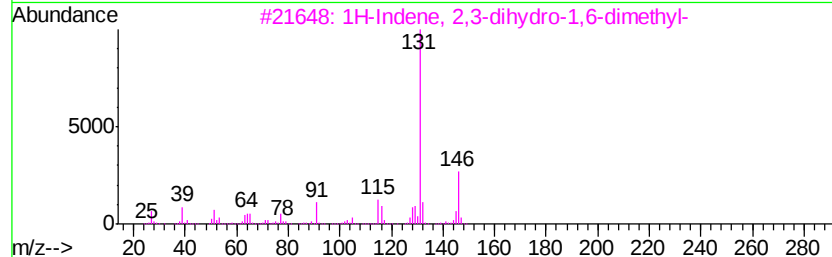
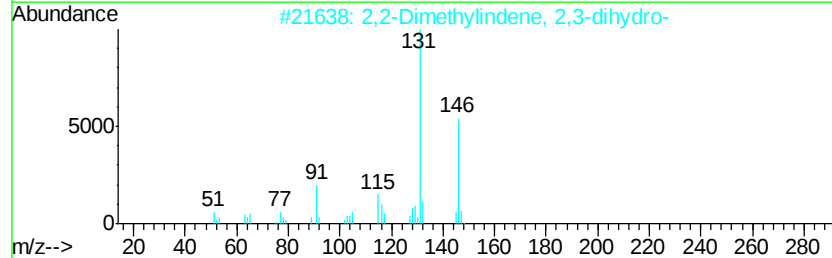
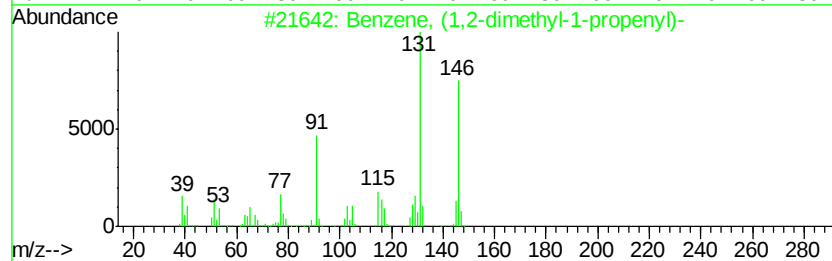
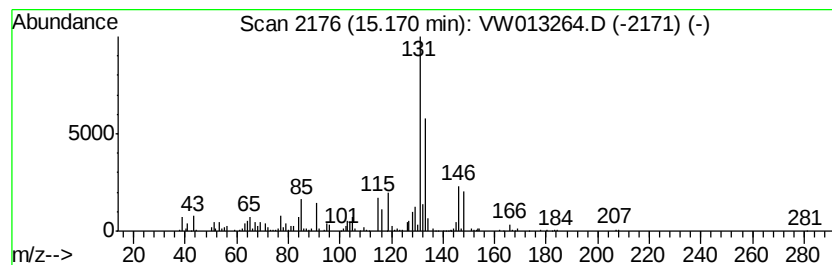
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	9.13 ug/l	250283	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	78
2		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	60
3		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
4		Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	60
5		1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013264.D
Acq On : 24 Sep 2019 07:40
Operator : SY/VA
Sample : K5008-04
Misc : 5.58G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4

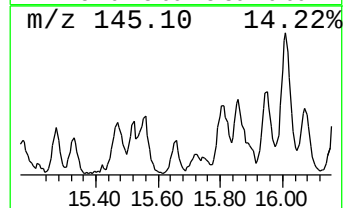
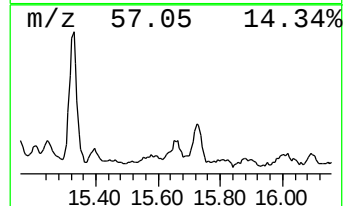
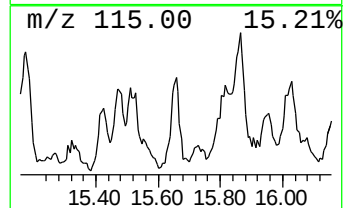
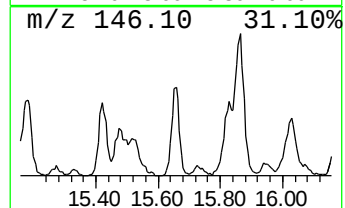
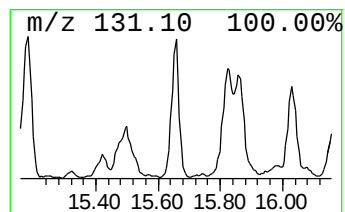
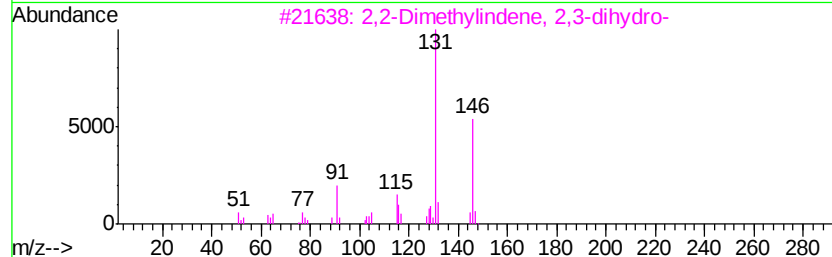
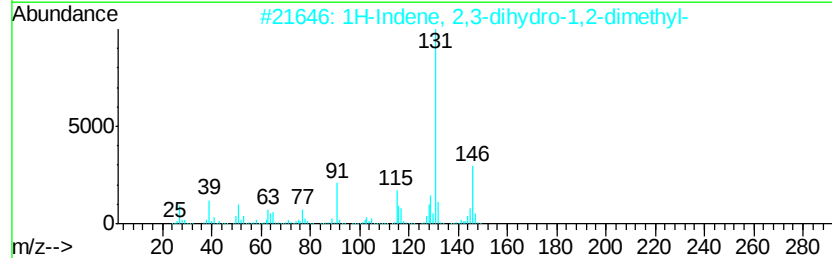
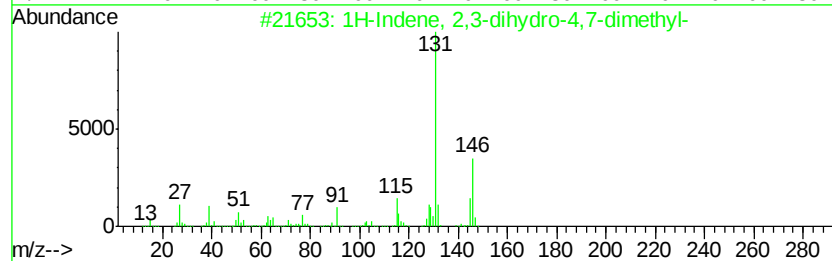
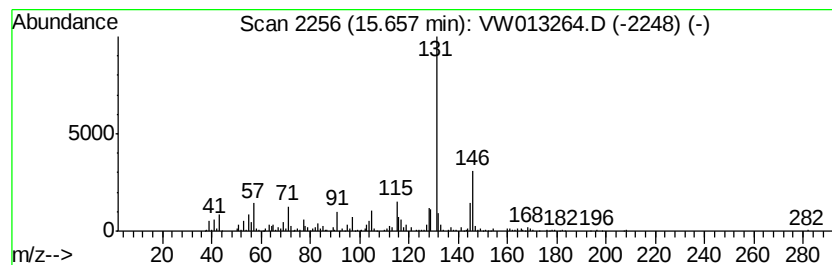
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	12.60 ug/l	345601	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	93
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	90
5		Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013264.D
Acq On : 24 Sep 2019 07:40
Operator : SY/VA
Sample : K5008-04
Misc : 5.58G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4

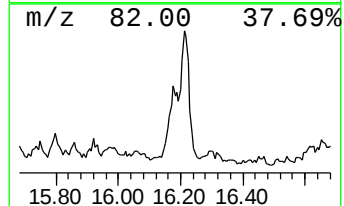
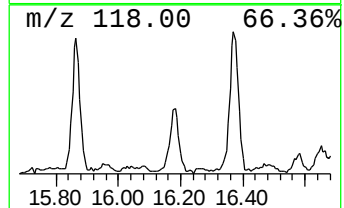
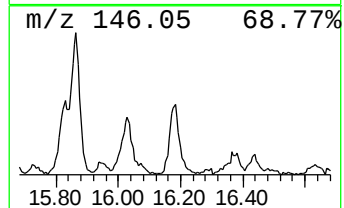
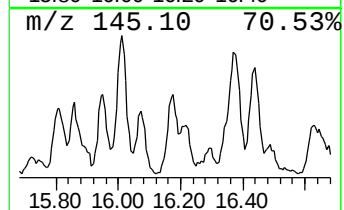
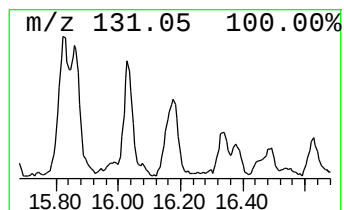
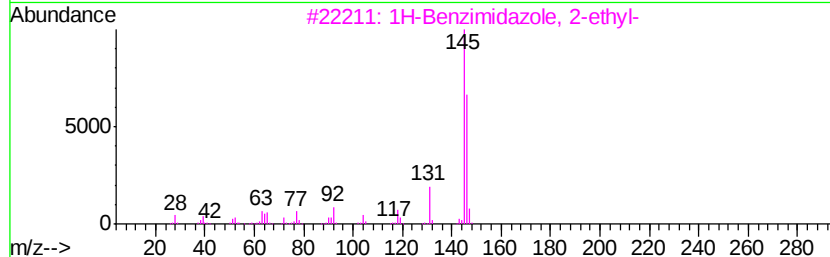
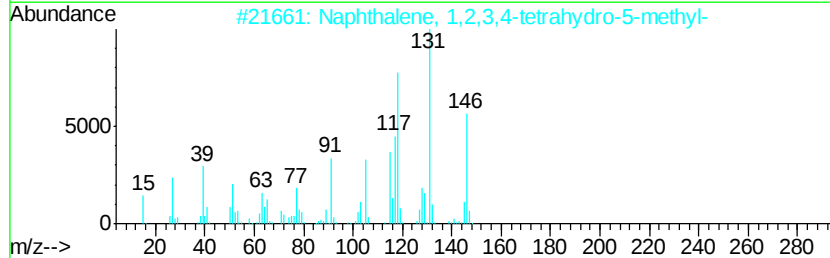
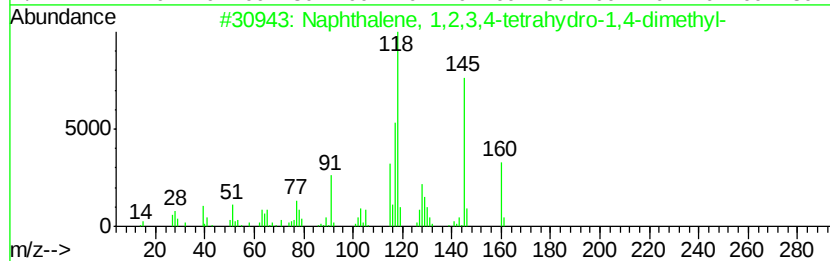
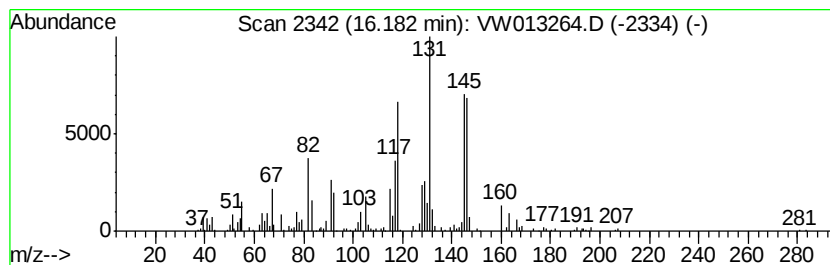
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	8.96 ug/l	245646	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	55
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	53
3		1H-Benzimidazole, 2-ethyl-	146	C9H10N2	001848-84-6	49
4		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	46
5		2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013264.D
Acq On : 24 Sep 2019 07:40
Operator : SY/VA
Sample : K5008-04
Misc : 5.58G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4

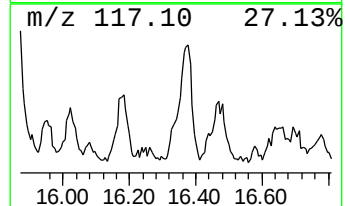
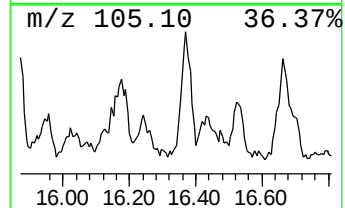
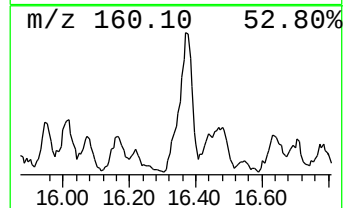
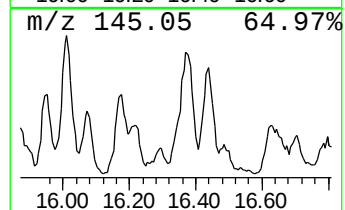
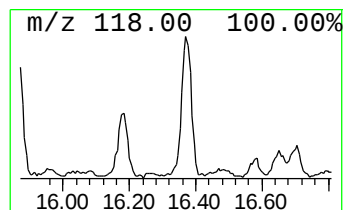
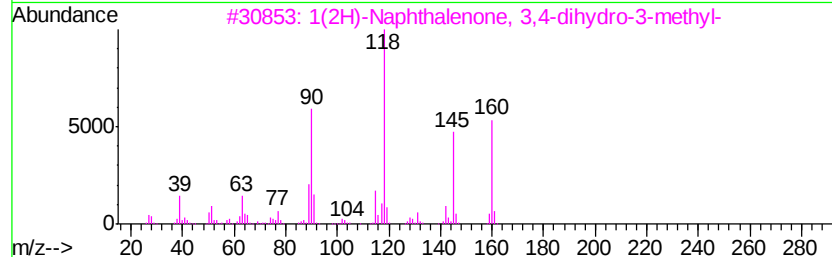
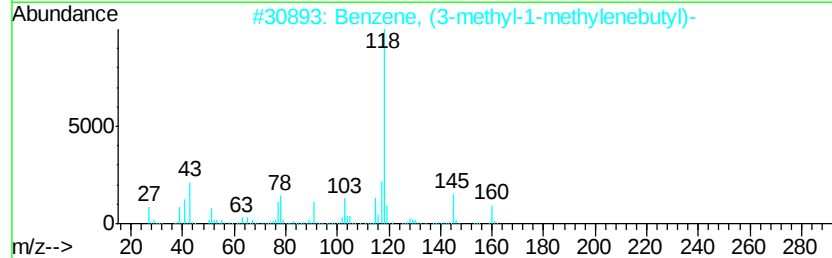
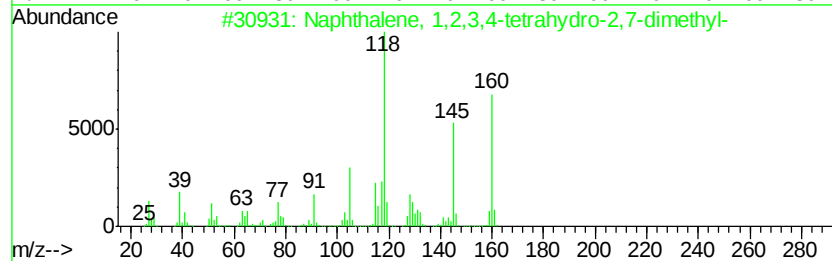
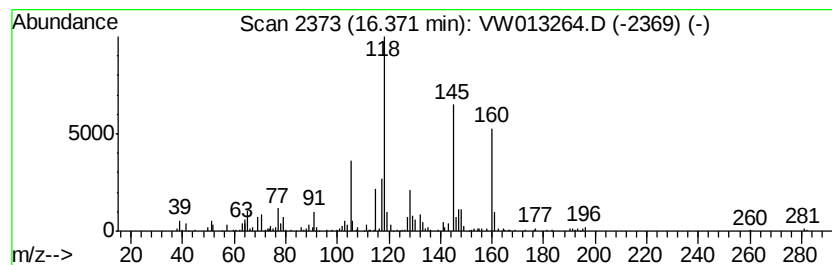
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	8.67 ug/l	237835	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	81
2		Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	74
3		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	72
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62
5		2,5-Dimethylbenzyl cyanide	145	C10H11N	016213-85-7	49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013264.D
Acq On : 24 Sep 2019 07:40
Operator : SY/VA
Sample : K5008-04
Misc : 5.58G/5ML/MSVOA W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
SB-4

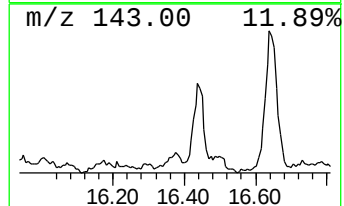
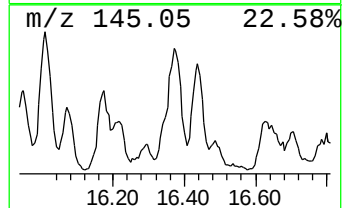
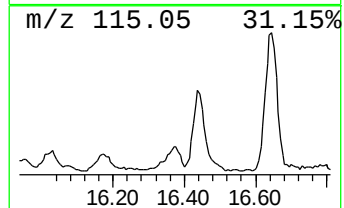
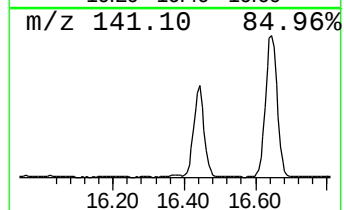
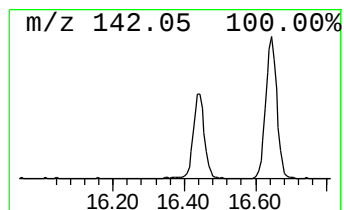
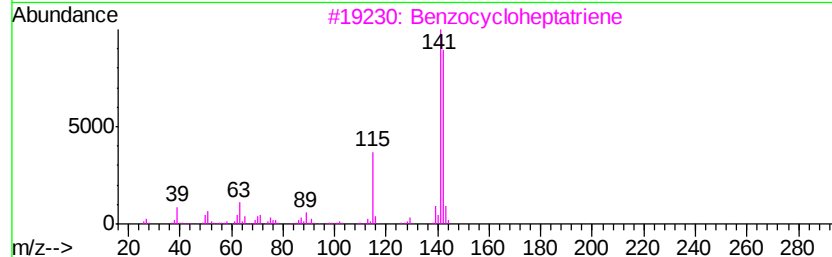
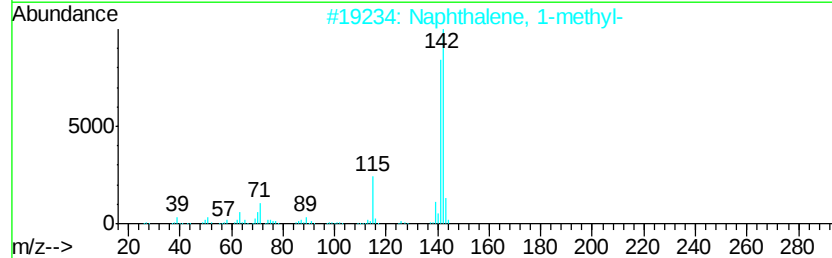
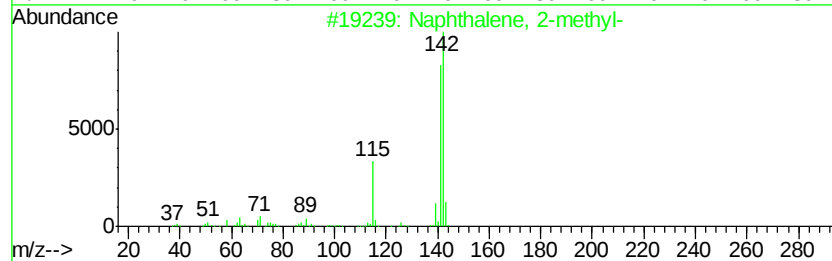
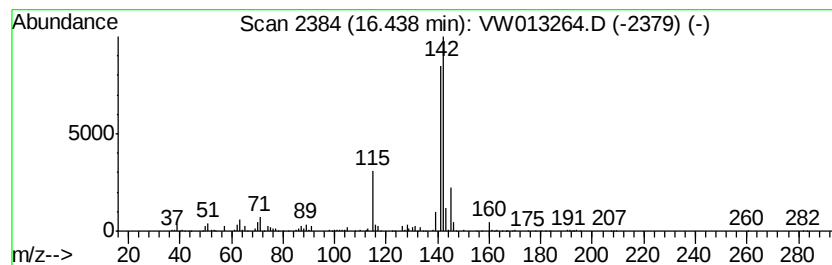
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	17.81 ug/l	488314	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW092319\
Data File : VW013264.D
Acq On : 24 Sep 2019 07:40
Operator : SY/VA
Sample : K5008-04
Misc : 5.58G/5ML/MSVOA_W/SOIL
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.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
Naphthalene, deca...	13.88	8.4	ug/l	231431	4	13.56	1370980	50.0
o-Cymene	14.09	8.3	ug/l	228598	4	13.56	1370980	50.0
unknown14.80	14.80	17.6	ug/l	484022	4	13.56	1370980	50.0
Undecane, 2,6-dim...	14.84	16.2	ug/l	444883	4	13.56	1370980	50.0
Benzene, (1,2-dim...	15.17	9.1	ug/l	250283	4	13.56	1370980	50.0
1H-Indene, 2,3-di...	15.66	12.6	ug/l	345601	4	13.56	1370980	50.0
Naphthalene, 1,2,...	16.18	9.0	ug/l	245646	4	13.56	1370980	50.0
Naphthalene, 1,2,...	16.37	8.7	ug/l	237835	4	13.56	1370980	50.0
Naphthalene, 1-me...	16.44	17.8	ug/l	488314	4	13.56	1370980	50.0