

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008975.D
 Acq On : 04 Mar 2019 22:23
 Operator : SY/VA
 Sample : K1688-05
 Misc : 6.06G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 JC-03-030119-C

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\82W022119S.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	1.958	5	9	13	rVB	19355	23837	1.39%	0.126%
2	2.635	114	120	129	rBV3	15731	38126	2.22%	0.202%
3	2.818	145	150	157	rVB	19227	36406	2.12%	0.193%
4	4.129	357	365	374	rBV	15290	41714	2.43%	0.221%
5	4.921	483	495	505	rBV3	36552	127993	7.45%	0.677%
6	5.122	517	528	529	rBV4	9279	20340	1.18%	0.108%
7	5.939	656	662	674	rVB7	9474	27935	1.63%	0.148%
8	7.146	849	860	874	rBV	145606	409188	23.80%	2.165%
9	7.677	938	947	957	rVB3	29033	77859	4.53%	0.412%
10	7.884	972	981	986	rBV	233044	556690	32.38%	2.945%
11	7.951	986	992	1000	rVB	435081	960396	55.87%	5.081%
12	8.262	1033	1043	1044	rBV2	70278	144500	8.41%	0.765%
13	8.305	1044	1050	1059	rVB2	243459	567823	33.03%	3.004%
14	8.841	1127	1138	1147	rBV	622204	1240033	72.13%	6.561%
15	10.323	1370	1381	1388	rBV	969655	1719068	100.00%	9.096%
16	10.707	1439	1444	1448	rBV	26086	53142	3.09%	0.281%
17	11.073	1492	1504	1506	rBV3	23174	54606	3.18%	0.289%
18	11.444	1561	1565	1570	rVB3	18360	32072	1.87%	0.170%
19	11.633	1589	1596	1607	rBV	842645	1466298	85.30%	7.758%
20	11.731	1608	1612	1616	rVB2	16258	23606	1.37%	0.125%
21	11.841	1621	1630	1634	rBV8	18562	46614	2.71%	0.247%
22	12.164	1675	1683	1691	rVB3	31213	74777	4.35%	0.396%
23	12.621	1751	1758	1766	rVV	762834	1280603	74.49%	6.776%
24	12.780	1781	1784	1786	rBV4	12848	17571	1.02%	0.093%
25	12.871	1794	1799	1801	rBV2	34874	58380	3.40%	0.309%
26	12.902	1801	1804	1807	rVV	35134	63613	3.70%	0.337%
27	12.944	1807	1811	1817	rVB2	89443	159811	9.30%	0.846%
28	13.103	1830	1837	1844	rBV	68001	144495	8.41%	0.765%
29	13.170	1845	1848	1854	rVB6	17666	27672	1.61%	0.146%
30	13.255	1857	1862	1866	rBV	62182	90189	5.25%	0.477%
31	13.304	1866	1870	1873	rBV5	13529	23112	1.34%	0.122%
32	13.444	1888	1893	1897	rBV3	44646	86232	5.02%	0.456%
33	13.493	1898	1901	1906	rVV3	30157	63858	3.71%	0.338%
34	13.560	1906	1912	1921	rVV2	858573	1516663	88.23%	8.025%

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35	13.755	1940	1944	1948	rBV2	94172	151017	8.78%	0.799%
36	13.792	1948	1950	1959	rVB3	95734	179895	10.46%	0.952%
37	13.883	1959	1965	1970	rBV3	111092	184529	10.73%	0.976%
38	13.956	1972	1977	1981	rBV	51787	80281	4.67%	0.425%
39	14.011	1983	1986	1989	rVV2	35745	54031	3.14%	0.286%
40	14.042	1989	1991	1994	rVV	52808	73449	4.27%	0.389%
41	14.096	1994	2000	2005	rVB3	118313	247592	14.40%	1.310%
42	14.212	2013	2019	2024	rVB2	133046	218810	12.73%	1.158%
43	14.261	2024	2027	2030	rBV3	17718	32793	1.91%	0.174%
44	14.346	2036	2041	2044	rBV2	54347	94263	5.48%	0.499%
45	14.389	2044	2048	2051	rVV4	52136	83582	4.86%	0.442%
46	14.426	2051	2054	2057	rVV	85314	114236	6.65%	0.604%
47	14.462	2057	2060	2064	rVB	102377	130030	7.56%	0.688%
48	14.505	2064	2067	2070	rBV2	66792	77552	4.51%	0.410%
49	14.548	2070	2074	2082	rVB4	55614	92844	5.40%	0.491%
50	14.615	2082	2085	2086	rBV2	15891	18597	1.08%	0.098%
51	14.645	2087	2090	2094	rVB	63171	82753	4.81%	0.438%
52	14.694	2094	2098	2101	rBV3	119532	203349	11.83%	1.076%
53	14.730	2101	2104	2110	rVB2	141158	224689	13.07%	1.189%
54	14.810	2110	2117	2123	rBV4	357929	871273	50.68%	4.610%
55	14.962	2137	2142	2148	rVB	266966	422258	24.56%	2.234%
56	15.035	2150	2154	2155	rBV4	32910	42352	2.46%	0.224%
57	15.072	2155	2160	2163	rBV5	105338	177986	10.35%	0.942%
58	15.188	2172	2179	2187	rVB4	153643	357204	20.78%	1.890%
59	15.255	2188	2190	2197	rVB8	31501	59075	3.44%	0.313%
60	15.340	2198	2204	2206	rBV6	63926	123927	7.21%	0.656%
61	15.432	2213	2219	2223	rBV	141449	256436	14.92%	1.357%
62	15.560	2238	2240	2249	rVB3	106520	184170	10.71%	0.974%
63	15.663	2250	2257	2265	rBV3	132774	316193	18.39%	1.673%
64	15.736	2265	2269	2274	rVV6	33758	62611	3.64%	0.331%
65	15.834	2278	2285	2286	rVV4	96018	185537	10.79%	0.982%
66	15.871	2287	2291	2301	rVB	299450	548092	31.88%	2.900%
67	15.956	2301	2305	2310	rBV5	33014	61889	3.60%	0.327%
68	16.035	2311	2318	2332	rVB4	90410	326493	18.99%	1.727%
69	16.188	2334	2343	2349	rBV	188939	443914	25.82%	2.349%
70	16.303	2358	2362	2366	rVB4	20970	29749	1.73%	0.157%
71	16.383	2366	2375	2381	rVV4	148307	343779	20.00%	1.819%

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72	16.450	2381	2386	2391	rVV2	86373	195462	11.37%	1.034%
73	16.505	2392	2395	2400	rVB3	50456	86392	5.03%	0.457%
74	16.651	2413	2419	2426	rBV6	67124	185669	10.80%	0.982%

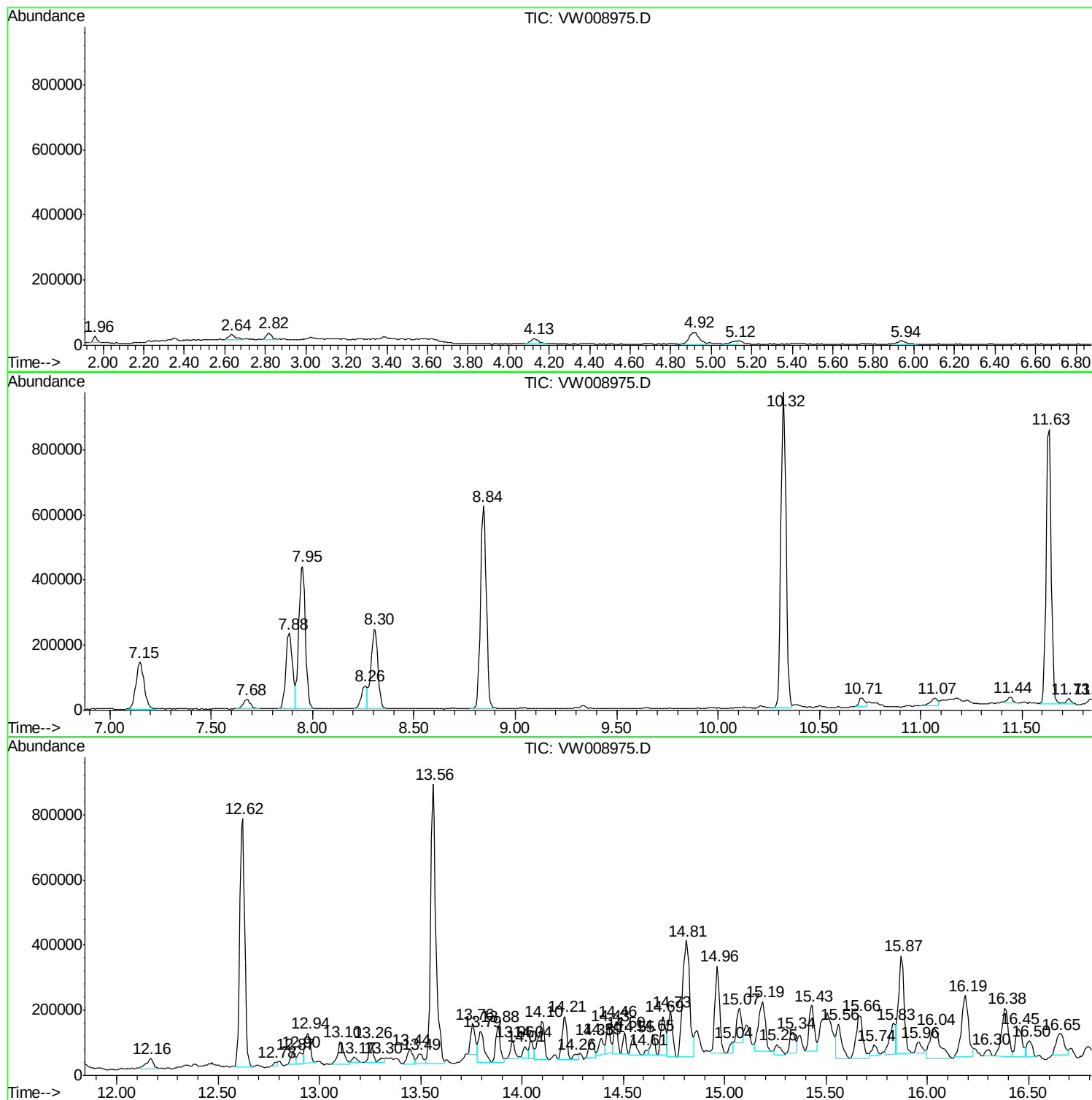
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Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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



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Misc : 6.06G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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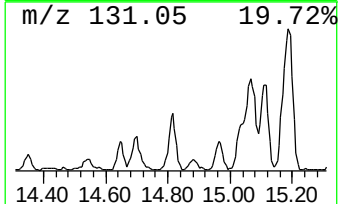
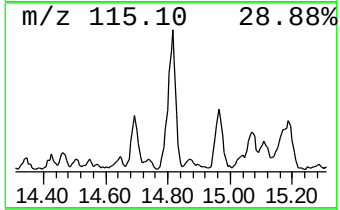
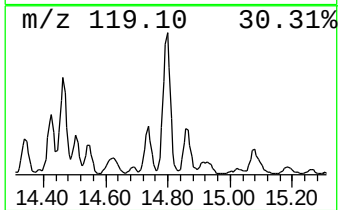
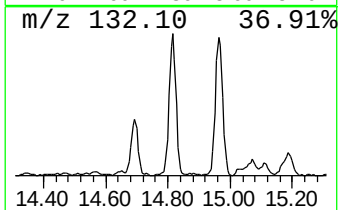
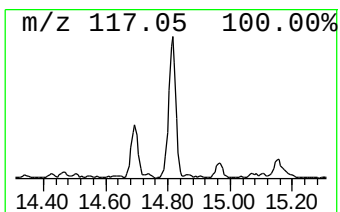
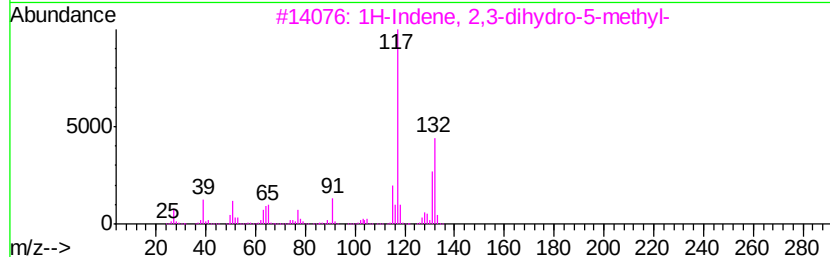
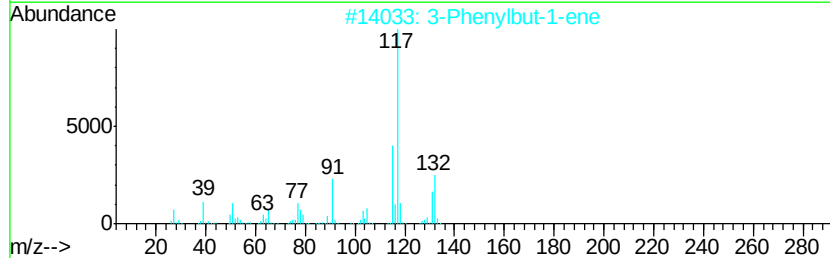
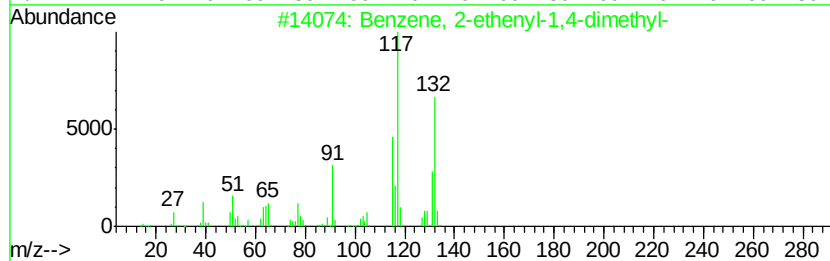
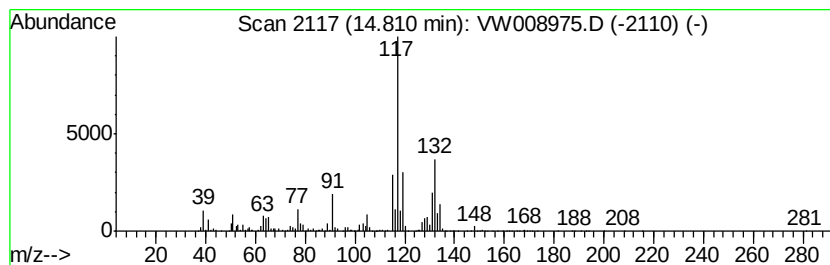
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	28.72 ug/l	871273	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	72



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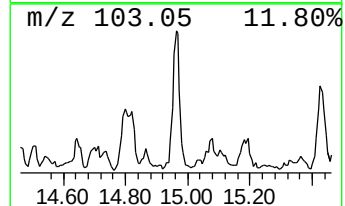
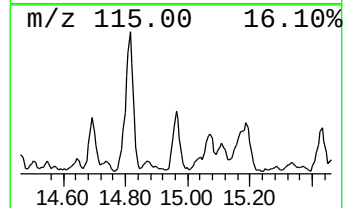
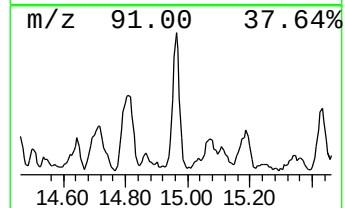
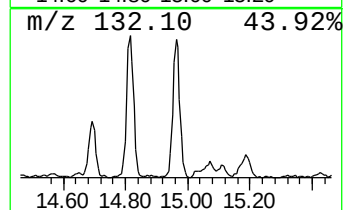
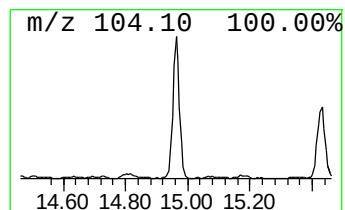
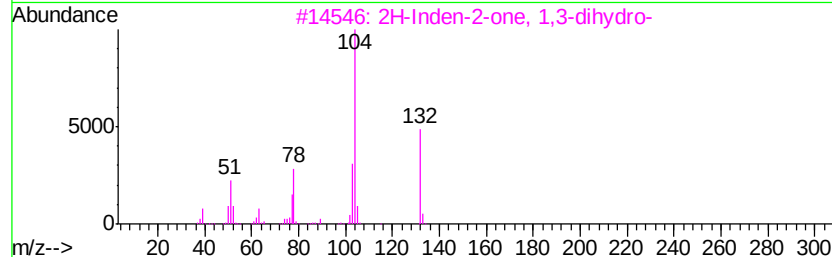
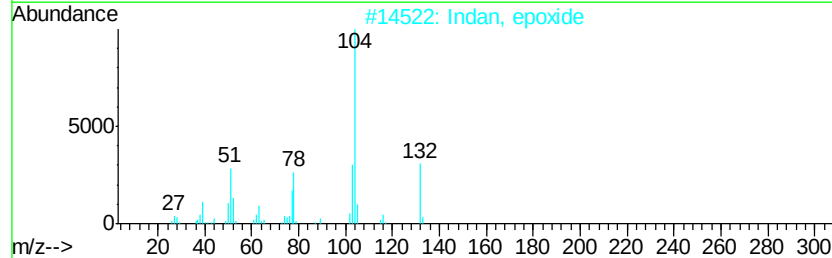
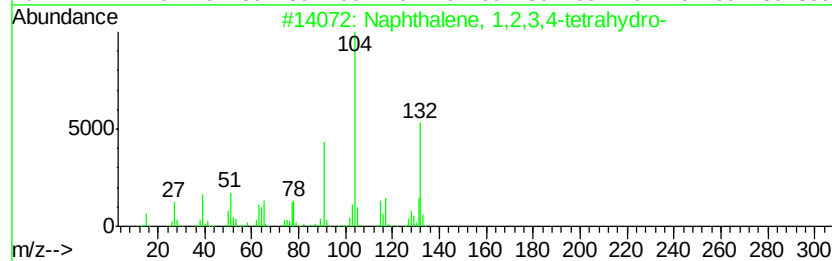
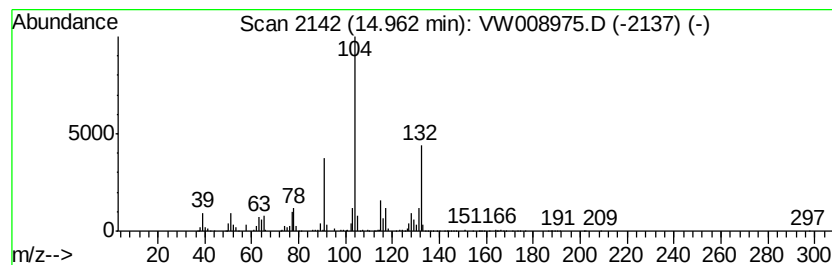
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	13.92 ug/l	422258	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		Indan, epoxide	132	C9H8O	000768-22-9	62
3		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	58
4		Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5		Benzene, cyclobutyl-	132	C10H12	004392-30-7	42



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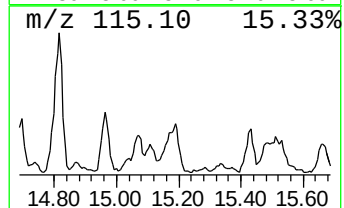
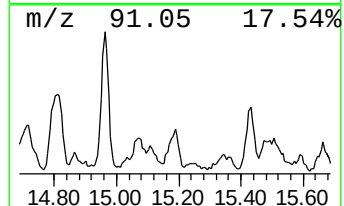
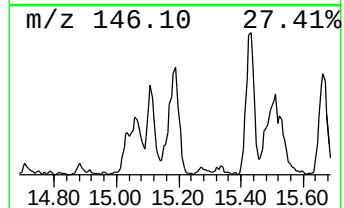
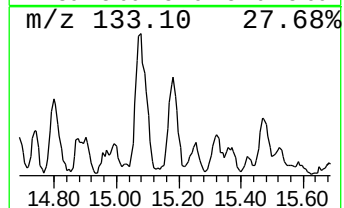
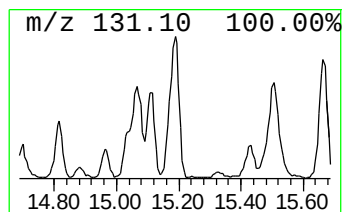
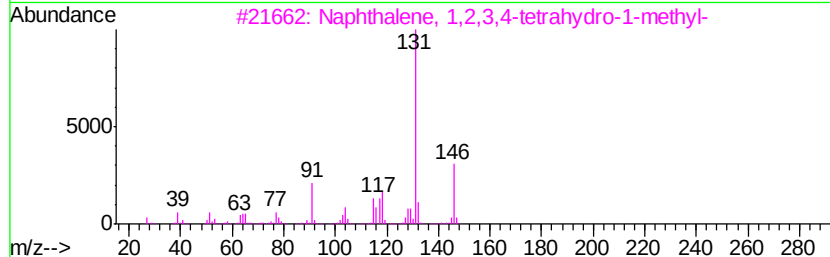
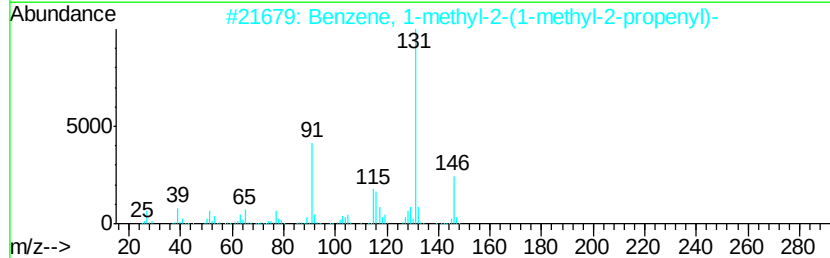
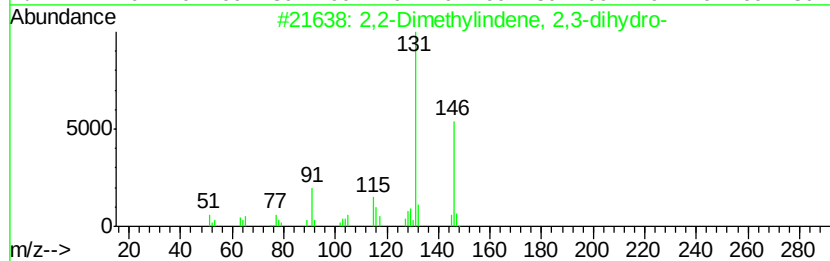
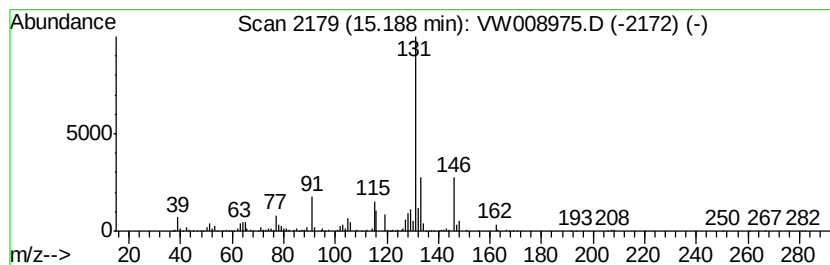
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2,2-Dimethylindene, 2,3-dih... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	11.78 ug/l	357204	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146 C11H14	020836-11-7	81
2	Benzene, 1-methyl-2-(1-methyl-2-...	146 C11H14	097664-19-2	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001559-81-5	81
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146 C11H14	004175-53-5	81
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146 C11H14	017057-82-8	81



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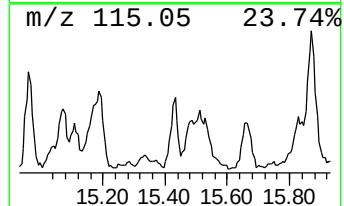
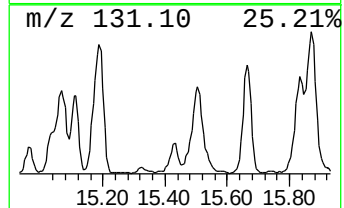
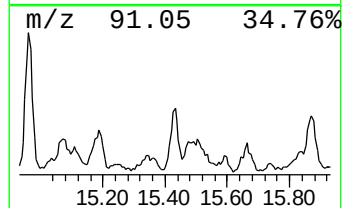
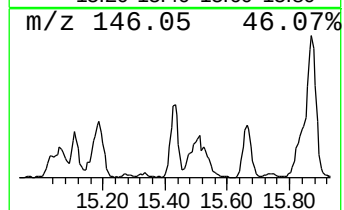
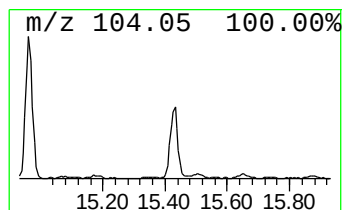
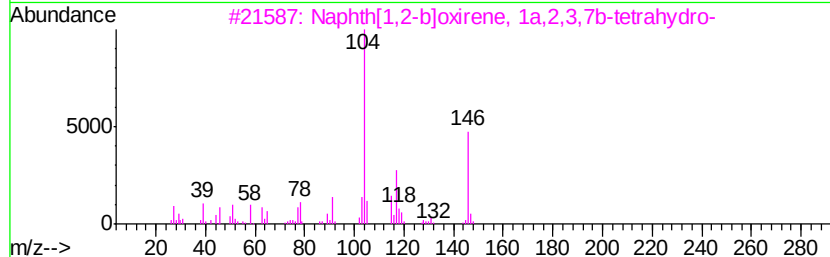
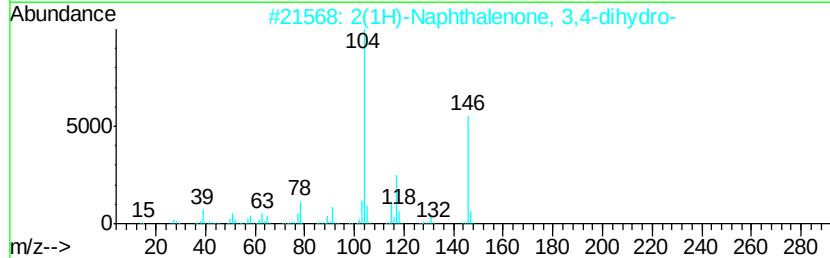
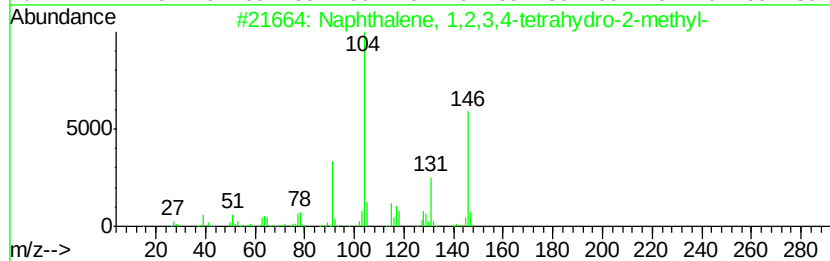
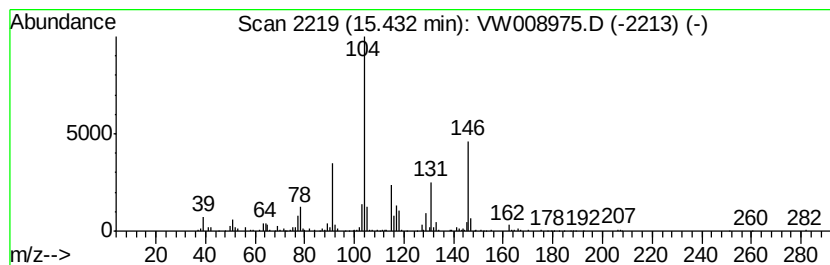
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.45 ug/l	256436	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
2		2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76
3		Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	70
4		2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	43
5		2-Azetidinone, 4-phenyl-	147	C9H9NO	005661-55-2	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW008975.D
Acq On : 04 Mar 2019 22:23
Operator : SY/VA
Sample : K1688-05
Misc : 6.06G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-C

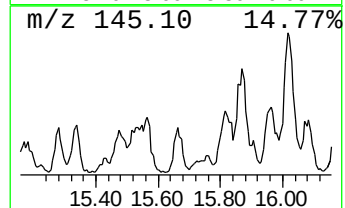
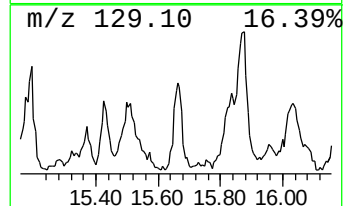
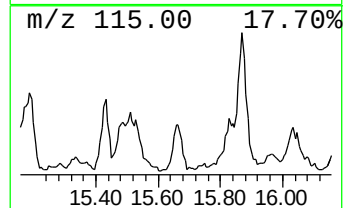
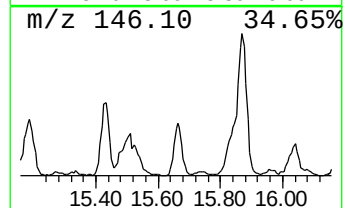
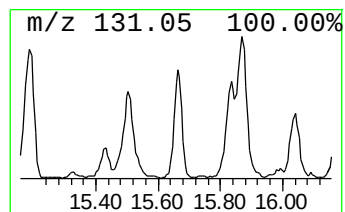
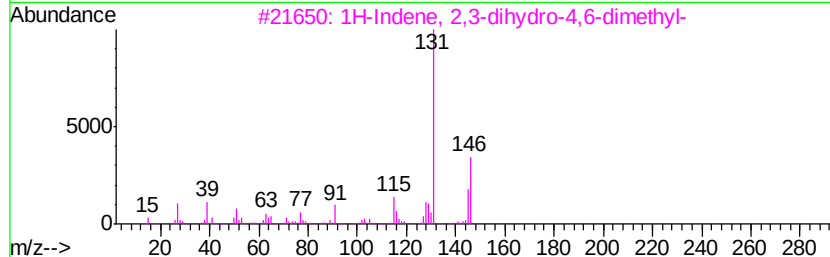
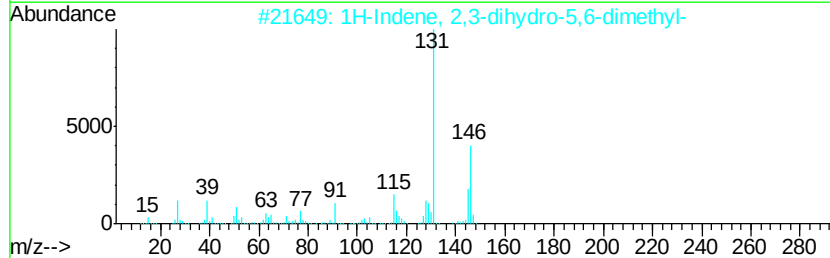
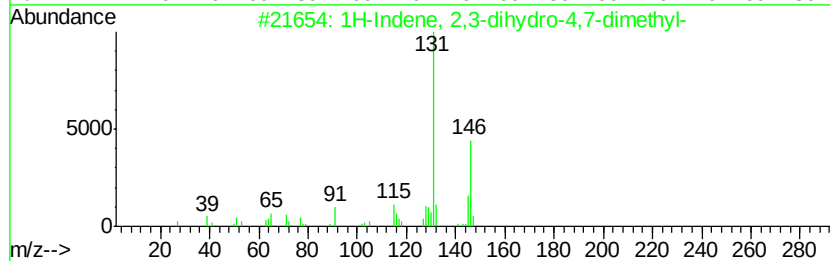
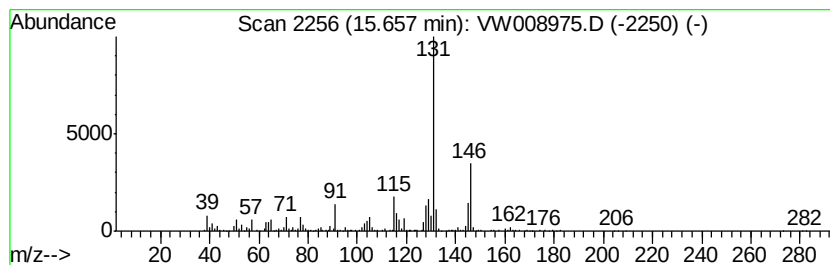
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	10.42 ug/l	316193	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	97
2		1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	95
3		1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94
4		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
5		1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW008975.D
Acq On : 04 Mar 2019 22:23
Operator : SY/VA
Sample : K1688-05
Misc : 6.06G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

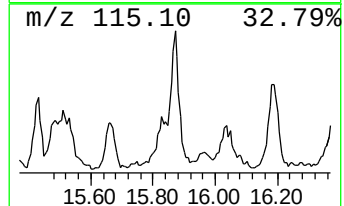
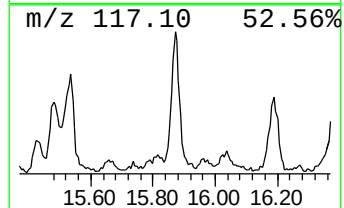
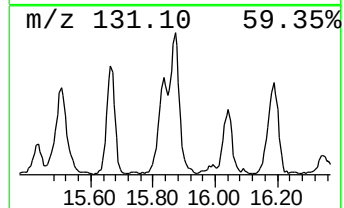
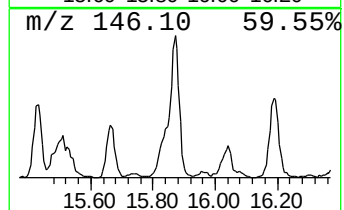
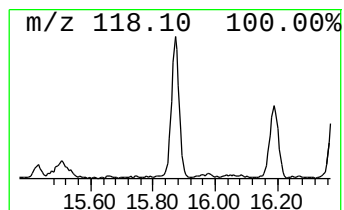
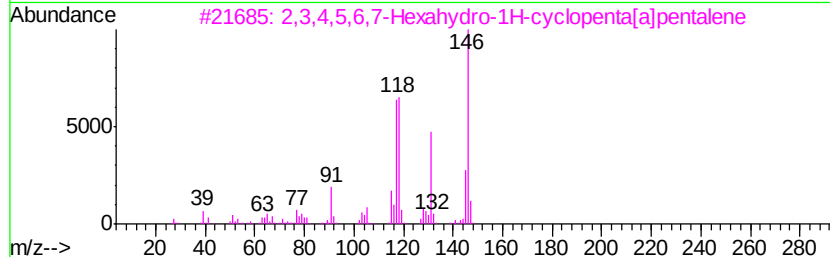
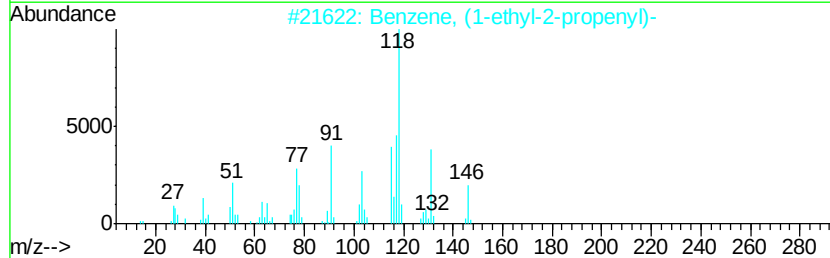
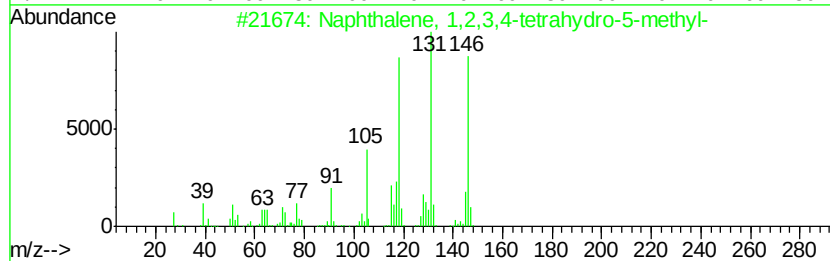
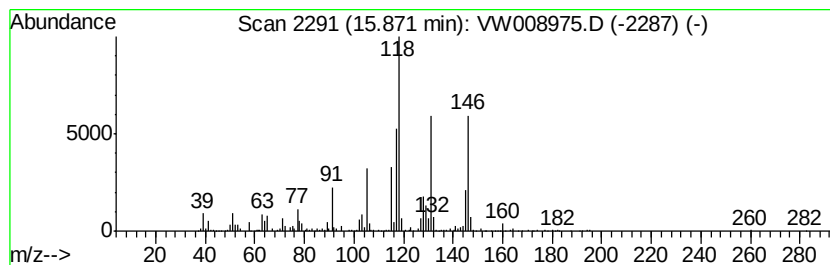
Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-C

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.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 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	18.07 ug/l	548092	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 74
2		Benzene, (1-ethyl-2-propenyl)-	146 C11H14	019947-22-9 72
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146 C11H14	1000189-31-0 70
4		Naphthalene, 1,2,3,4-tetrahydro-...	146 C11H14	001680-51-9 64
5		Naphthalene, 1,2,3,4-tetrahydro-...	160 C12H16	004175-54-6 64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW008975.D
Acq On : 04 Mar 2019 22:23
Operator : SY/VA
Sample : K1688-05
Misc : 6.06G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-C

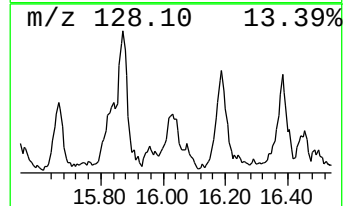
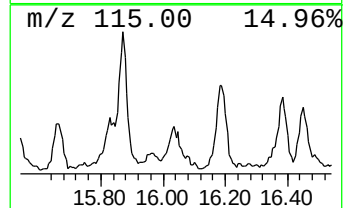
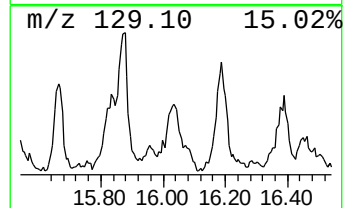
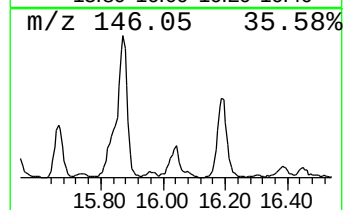
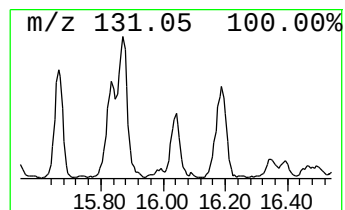
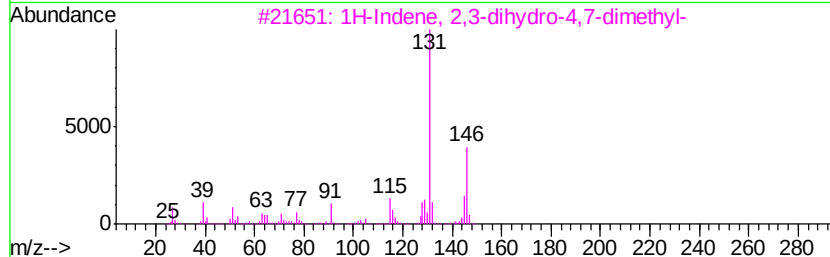
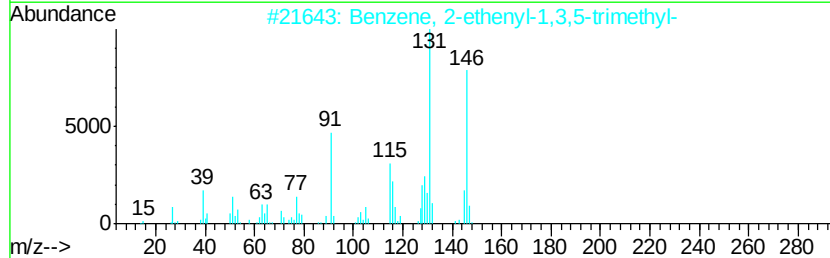
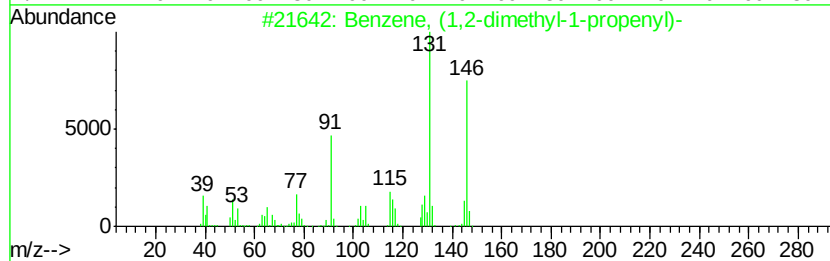
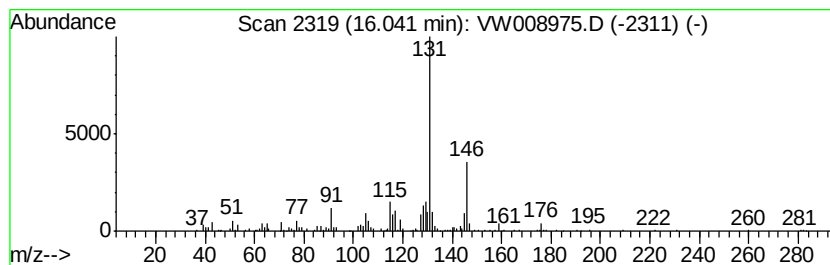
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, (1,2-dimethyl-1-propenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	10.76 ug/l	326493	1,4-Dichlorobenzene-d4	13.56

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
2	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	87
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	74
5	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW008975.D
Acq On : 04 Mar 2019 22:23
Operator : SY/VA
Sample : K1688-05
Misc : 6.06G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
JC-03-030119-C

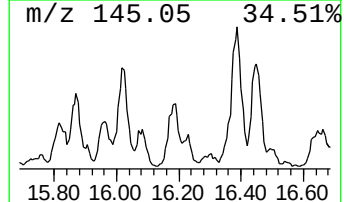
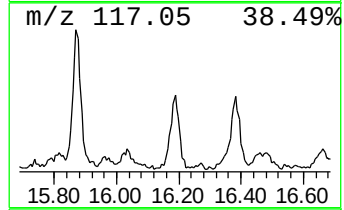
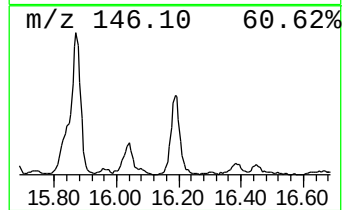
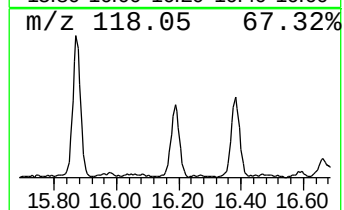
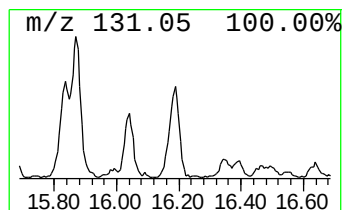
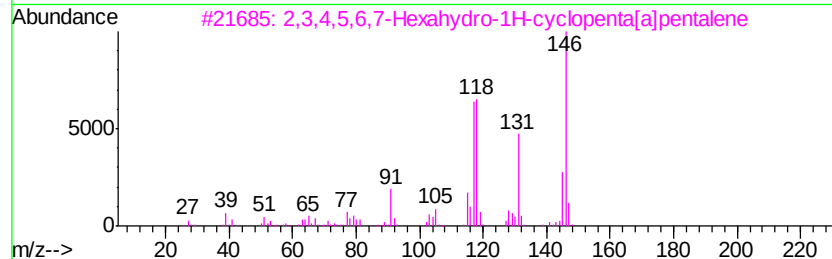
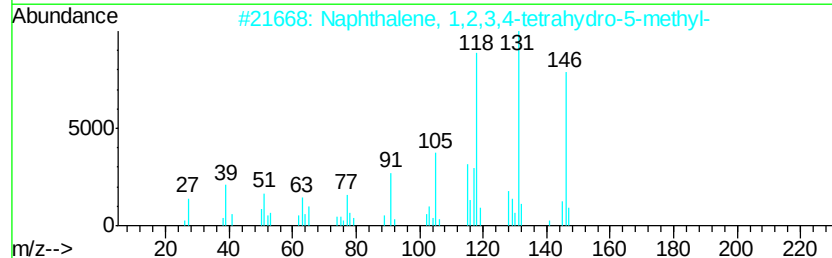
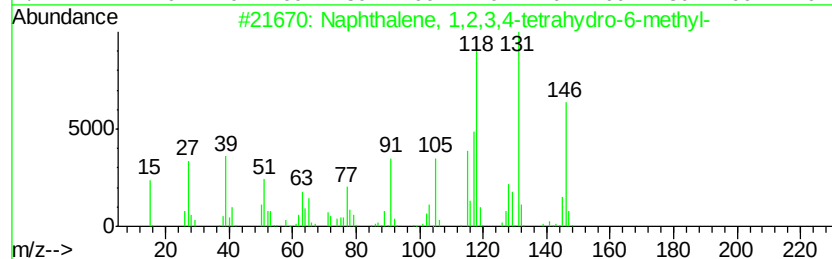
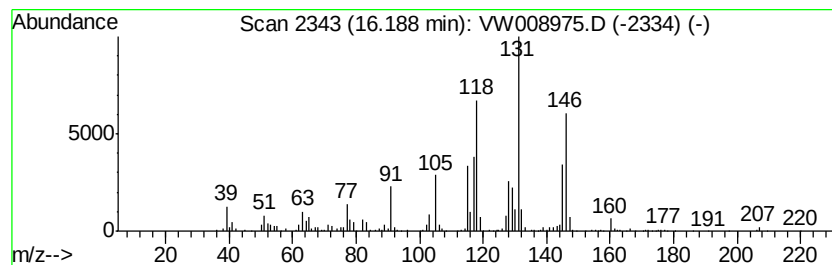
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	14.63 ug/l	443914	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	64
4		1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	60
5		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW008975.D
Acq On : 04 Mar 2019 22:23
Operator : SY/VA
Sample : K1688-05
Misc : 6.06G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-C

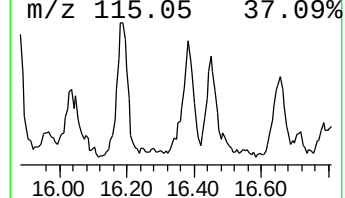
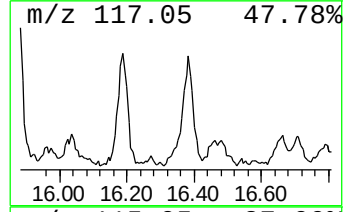
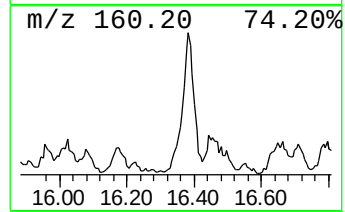
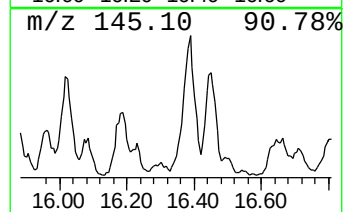
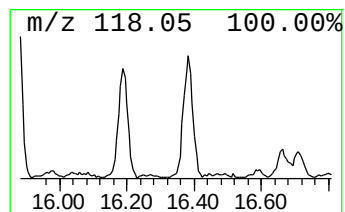
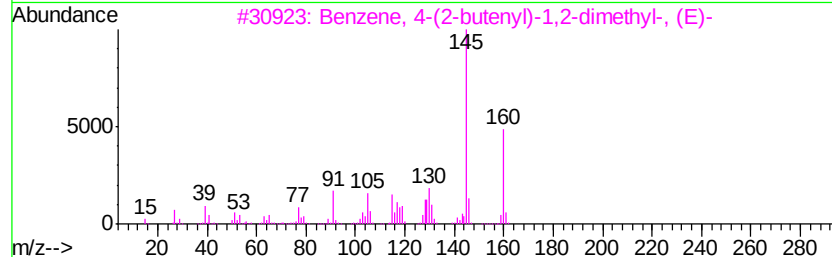
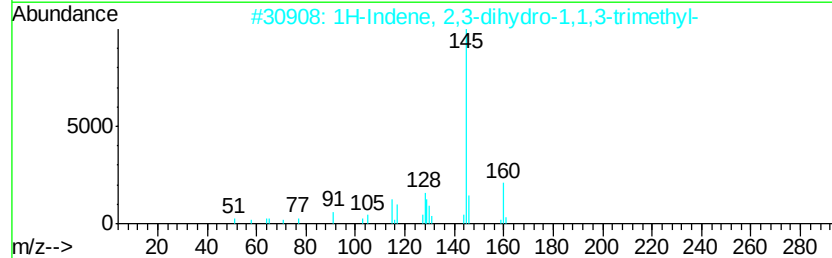
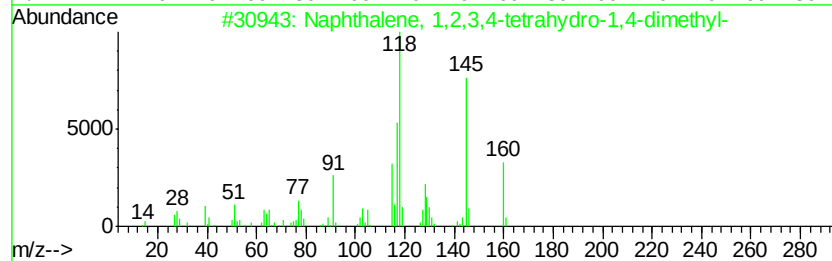
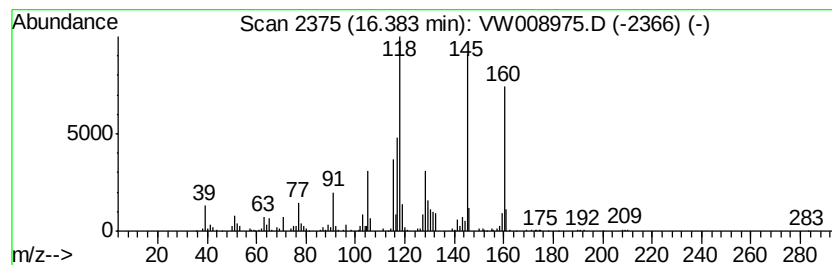
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	11.33 ug/l	343779	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	95
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	91
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	83
4		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	83
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	76



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW030519\
Data File : VW008975.D
Acq On : 04 Mar 2019 22:23
Operator : SY/VA
Sample : K1688-05
Misc : 6.06G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
JC-03-030119-C

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.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
Benzene, 2-etheny...	14.81	28.7	ug/l	871273	4	13.56	1516660	50.0
Naphthalene, 1,2,...	14.96	13.9	ug/l	422258	4	13.56	1516660	50.0
2,2-Dimethylinden...	15.19	11.8	ug/l	357204	4	13.56	1516660	50.0
Naphthalene, 1,2,...	15.43	8.4	ug/l	256436	4	13.56	1516660	50.0
1H-Indene, 2,3-di...	15.66	10.4	ug/l	316193	4	13.56	1516660	50.0
Naphthalene, 1,2,...	15.87	18.1	ug/l	548092	4	13.56	1516660	50.0
Benzene, (1,2-dim...	16.04	10.8	ug/l	326493	4	13.56	1516660	50.0
Naphthalene, 1,2,...	16.19	14.6	ug/l	443914	4	13.56	1516660	50.0
Naphthalene, 1,2,...	16.38	11.3	ug/l	343779	4	13.56	1516660	50.0