

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013460.D
 Acq On : 07 Oct 2019 13:52
 Operator : SY/VA
 Sample : K5213-08
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4(5-10)

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\82W100119S.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	2.154	35	41	47	rBV2	7230	12384	5.11%	0.303%
2	3.135	200	202	207	rVB5	2085	2841	1.17%	0.069%
3	4.123	358	364	372	rBV2	2629	7133	2.94%	0.174%
4	4.385	399	407	419	rVB4	2612	8211	3.39%	0.201%
5	4.909	486	493	502	rBV6	1470	4560	1.88%	0.111%
6	7.159	849	862	875	rBV3	43936	173623	71.60%	4.241%
7	7.884	972	981	985	rBV2	28985	65853	27.16%	1.609%
8	7.945	985	991	1001	rVB	65380	148102	61.08%	3.618%
9	8.250	1032	1041	1046	rBV	19601	51197	21.11%	1.251%
10	8.305	1046	1050	1061	rVB	26177	58047	23.94%	1.418%
11	8.842	1130	1138	1147	rBV	82718	166869	68.82%	4.076%
12	9.092	1170	1179	1188	rVB5	8542	17099	7.05%	0.418%
13	9.756	1283	1288	1294	rVB5	1532	2811	1.16%	0.069%
14	9.890	1309	1310	1315	rVB4	2458	2567	1.06%	0.063%
15	10.079	1333	1341	1345	rBV8	1017	2986	1.23%	0.073%
16	10.219	1357	1364	1366	rBV5	2378	5264	2.17%	0.129%
17	10.323	1374	1381	1388	rBV	127251	229206	94.52%	5.599%
18	10.494	1407	1409	1416	rVB6	2501	4871	2.01%	0.119%
19	10.664	1433	1437	1439	rBV4	2286	3084	1.27%	0.075%
20	10.707	1439	1444	1449	rVV4	9689	15693	6.47%	0.383%
21	10.750	1449	1451	1458	rVB8	2175	4123	1.70%	0.101%
22	10.860	1462	1469	1477	rVV2	51735	93481	38.55%	2.283%
23	10.933	1477	1481	1486	rVB8	1872	3195	1.32%	0.078%
24	11.061	1496	1502	1506	rBV5	7622	12618	5.20%	0.308%
25	11.170	1517	1520	1525	rVV6	3199	5038	2.08%	0.123%
26	11.231	1525	1530	1535	rVB8	4789	9715	4.01%	0.237%
27	11.335	1544	1547	1552	rBV5	2804	4283	1.77%	0.105%
28	11.439	1559	1564	1569	rVB3	14894	27023	11.14%	0.660%
29	11.512	1569	1576	1582	rVB4	4892	9486	3.91%	0.232%
30	11.628	1589	1595	1603	rBV	101691	179010	73.82%	4.373%
31	11.762	1613	1617	1620	rBV6	2243	2722	1.12%	0.066%
32	11.811	1622	1625	1628	rBV5	4358	7478	3.08%	0.183%
33	11.872	1631	1635	1639	rVV6	3330	7128	2.94%	0.174%
34	12.134	1672	1678	1685	rBV7	13180	31814	13.12%	0.777%

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35	12.250	1694	1697	1701	rVB2	18050	24428	10.07%	0.597%
36	12.341	1703	1712	1713	rBV8	16324	33568	13.84%	0.820%
37	12.451	1725	1730	1733	rBV7	5921	11457	4.72%	0.280%
38	12.615	1751	1757	1764	rBV3	105725	214464	88.44%	5.239%
39	12.780	1780	1784	1790	rVB3	25474	43656	18.00%	1.066%
40	12.859	1791	1797	1802	rBV5	21056	55411	22.85%	1.354%
41	12.938	1803	1810	1816	rBV7	30773	92632	38.20%	2.263%
42	13.079	1829	1833	1837	rVB2	26644	37046	15.28%	0.905%
43	13.127	1837	1841	1843	rBV4	16509	24006	9.90%	0.586%
44	13.164	1843	1847	1854	rBV2	53978	94512	38.98%	2.309%
45	13.262	1860	1863	1865	rBV4	17270	24566	10.13%	0.600%
46	13.292	1865	1868	1872	rVV3	30785	47201	19.47%	1.153%
47	13.341	1873	1876	1880	rVB2	25930	31959	13.18%	0.781%
48	13.377	1880	1882	1886	rBV4	11471	16825	6.94%	0.411%
49	13.444	1886	1893	1897	rBV5	53544	122361	50.46%	2.989%
50	13.487	1897	1900	1904	rVV5	22345	32626	13.45%	0.797%
51	13.560	1907	1912	1920	rVB	95727	181953	75.04%	4.445%
52	13.627	1920	1923	1928	rBV6	13455	24257	10.00%	0.593%
53	13.694	1931	1934	1938	rBV4	36247	51600	21.28%	1.260%
54	13.877	1958	1964	1968	rBV5	127300	242489	100.00%	5.923%
55	13.981	1978	1981	1984	rBV3	33772	54058	22.29%	1.320%
56	14.194	2012	2016	2021	rBV5	42021	73109	30.15%	1.786%
57	14.261	2023	2027	2033	rVB5	54154	100660	41.51%	2.459%
58	14.322	2034	2037	2041	rBV5	29803	61853	25.51%	1.511%
59	14.383	2043	2047	2051	rVV5	114324	169876	70.06%	4.150%
60	14.499	2062	2066	2068	rBV5	31590	47385	19.54%	1.157%
61	14.548	2070	2074	2079	rVB5	116295	184781	76.20%	4.514%
62	14.731	2102	2104	2108	rBV3	31008	41092	16.95%	1.004%
63	14.798	2111	2115	2119	rVV4	78230	171600	70.77%	4.192%
64	14.847	2119	2123	2130	rVB4	108304	240485	99.17%	5.874%
65	15.328	2198	2202	2209	rVB2	92384	162380	66.96%	3.966%

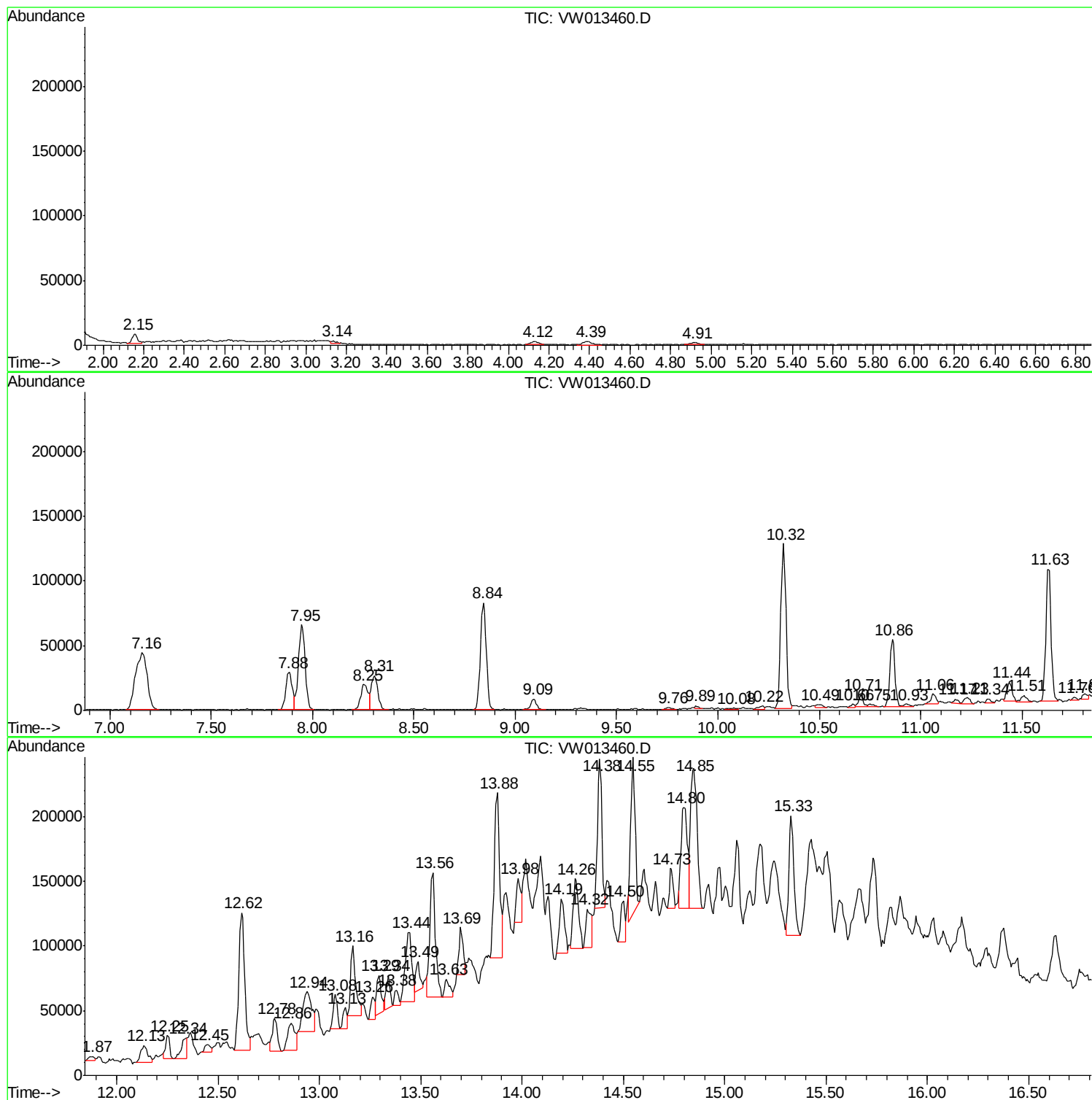
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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



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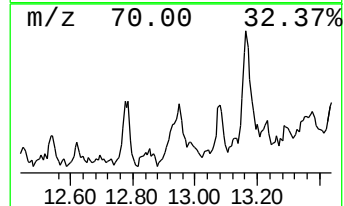
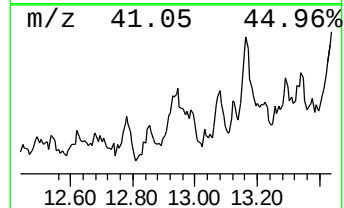
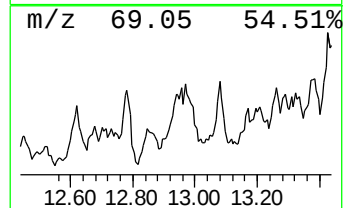
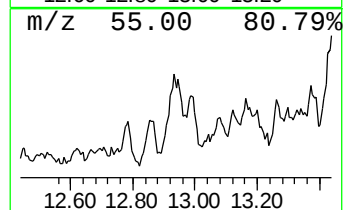
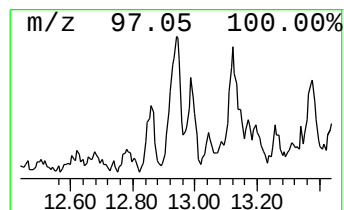
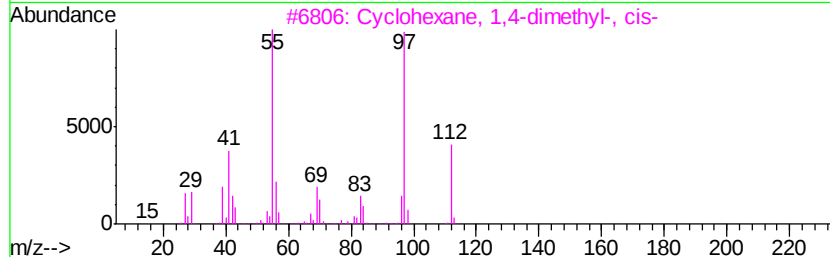
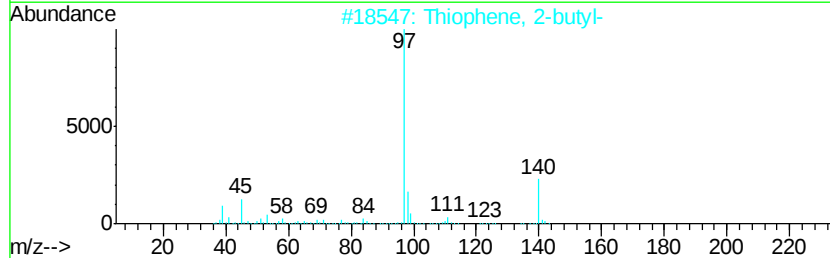
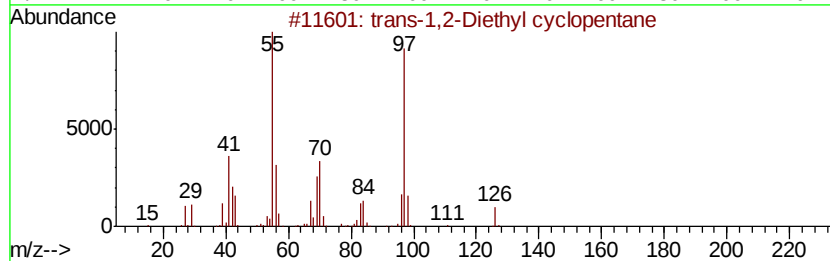
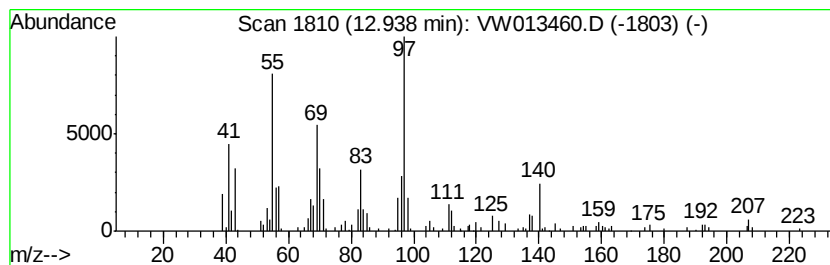
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown12.94 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	25.45 ug/l	92632	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	47
2		Thiophene, 2-butyl-	140	C8H12S	001455-20-5	47
3		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	47
4		Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	46
5		Ethanone, 1-(3,4-dihydro-6-methy...	140	C8H12O2	028450-02-4	46



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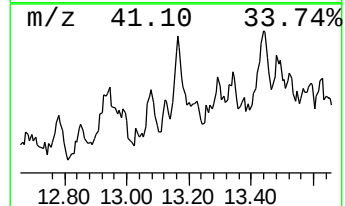
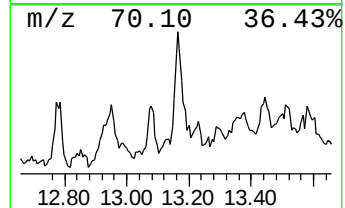
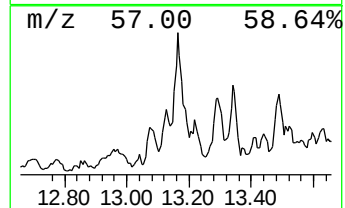
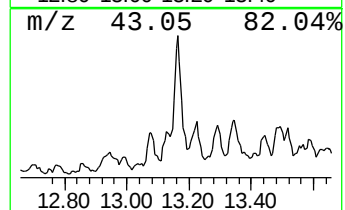
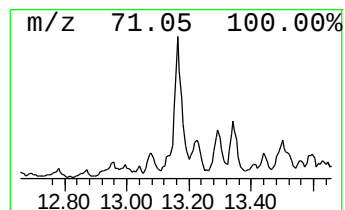
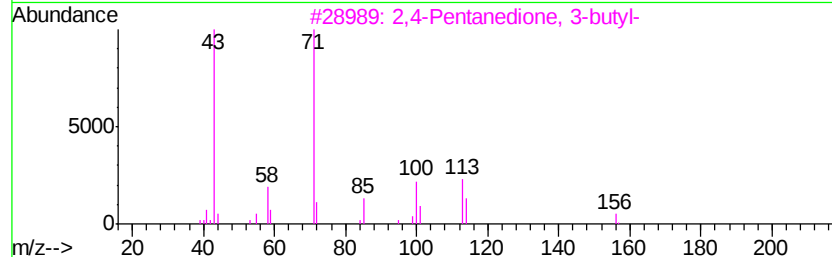
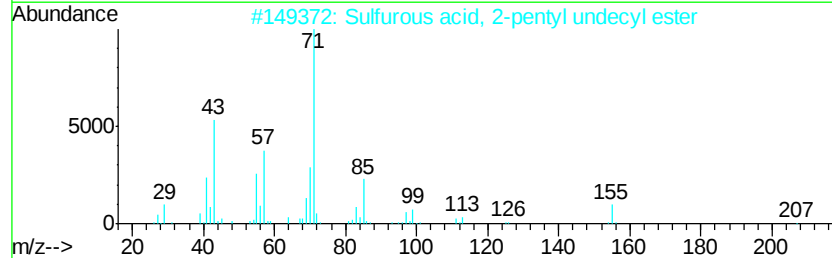
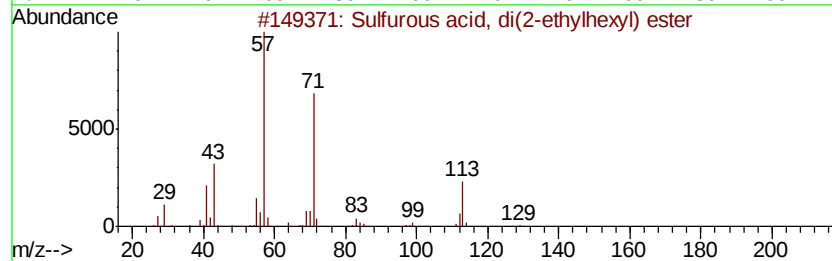
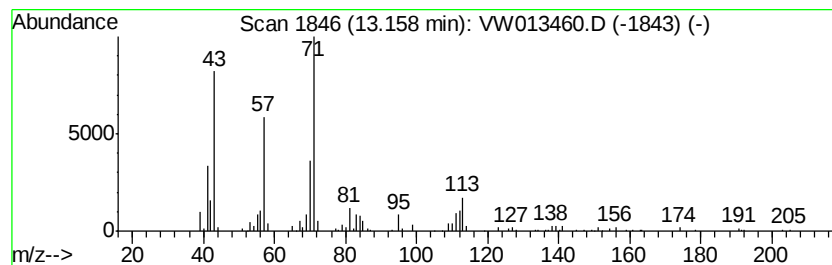
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

Peak Number 2 Sulfurous acid, di(2-ethylh... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	25.97 ug/l	94512	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	53
2		Sulfurous acid, 2-pentyl undecyl...	306	C16H34O3S	1000309-16-0	53
3		2,4-Pentanedione, 3-butyl-	156	C9H16O2	001540-36-9	50
4		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	47
5		Heptane, 4-methyl-	114	C8H18	000589-53-7	38



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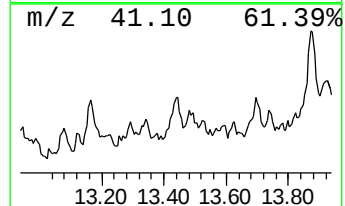
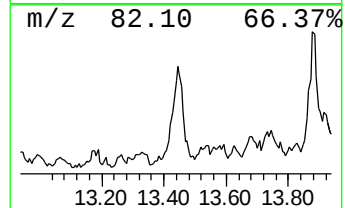
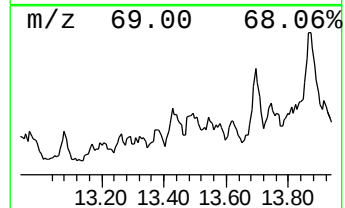
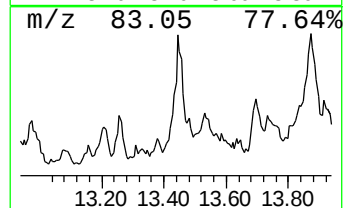
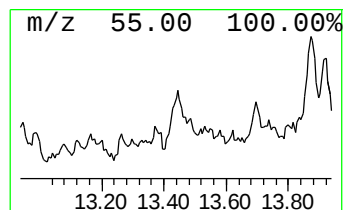
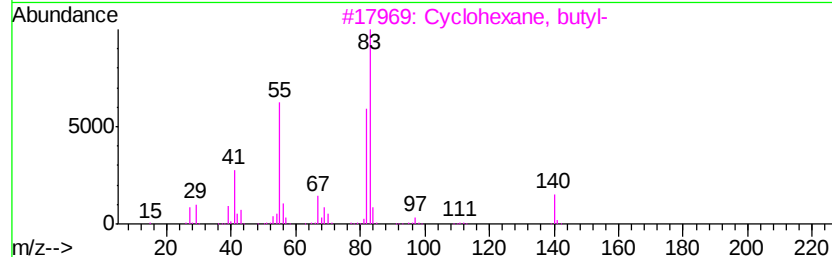
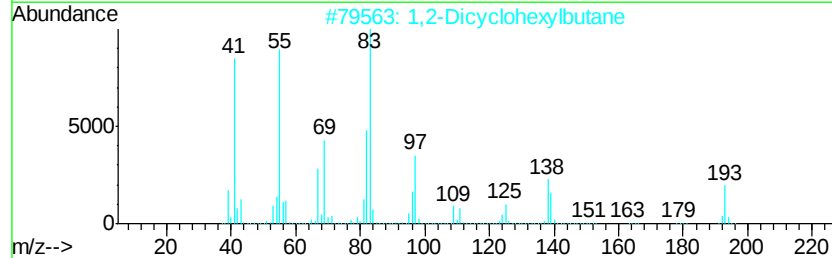
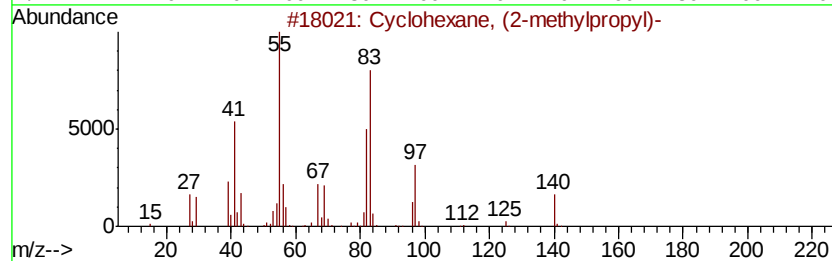
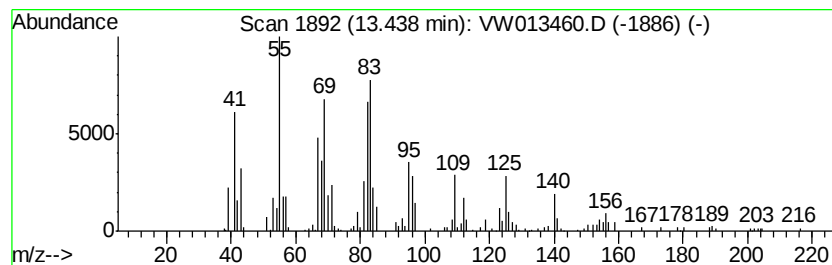
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Quant Title : SW846 8260

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

Peak Number 3 Cyclohexane, (2-methylpropyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	33.62 ug/l	122361	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
2		1,2-Dicyclohexylbutane	222	C16H30	054890-01-6	53
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4		1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	49
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49



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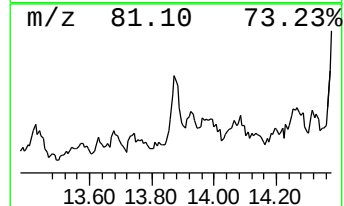
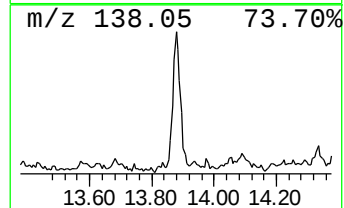
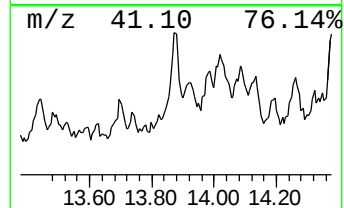
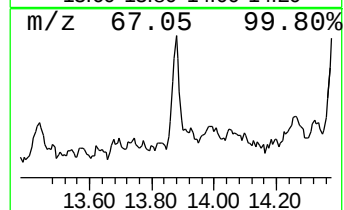
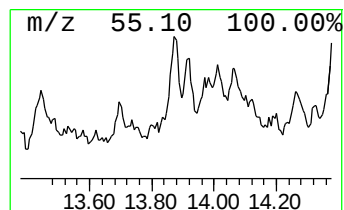
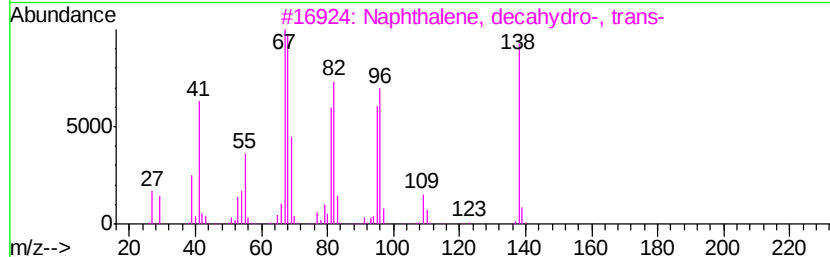
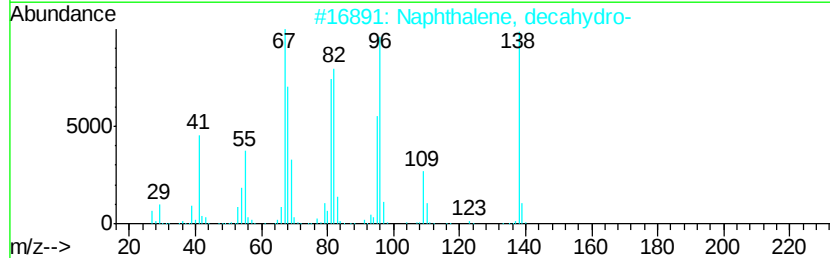
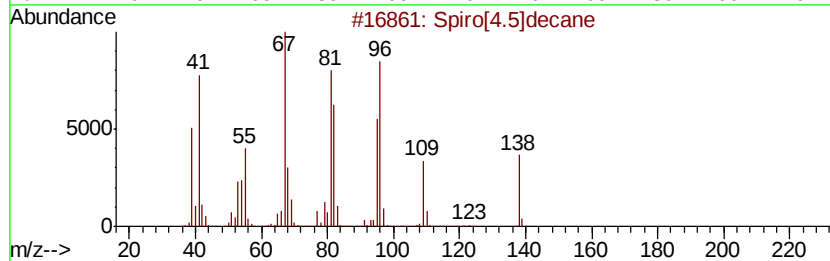
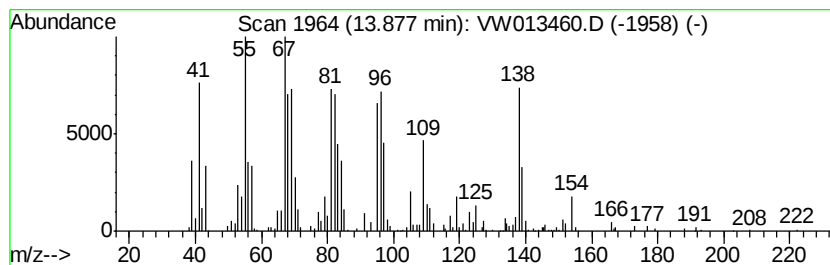
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Peak Number 4 Spiro[4.5]decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	66.64 ug/l	242489	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Spiro[4.5]decane	138	C10H18	000176-63-6	94
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	70
4		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	70
5		5-Cyclohexyl-1-pentene	152	C11H20	005729-54-4	55



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Operator : SY/VA
Sample : K5213-08
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-4(5-10)

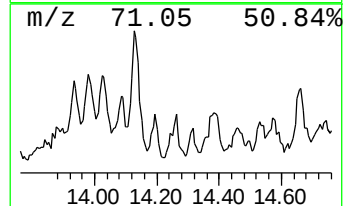
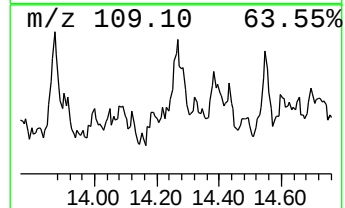
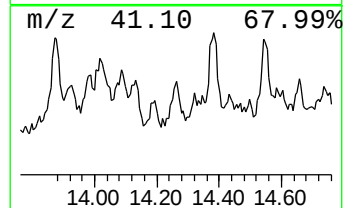
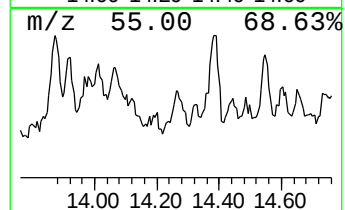
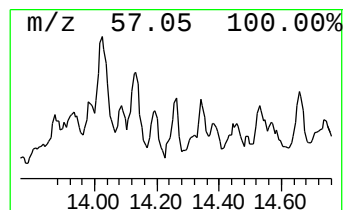
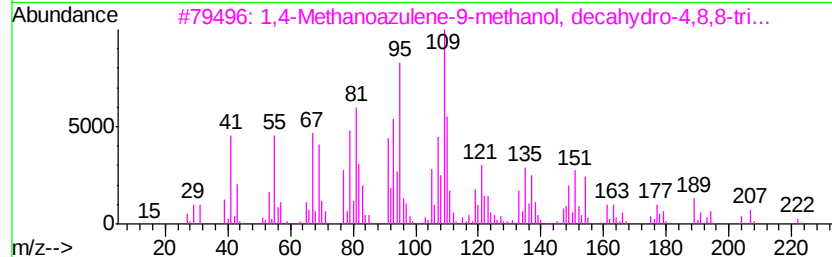
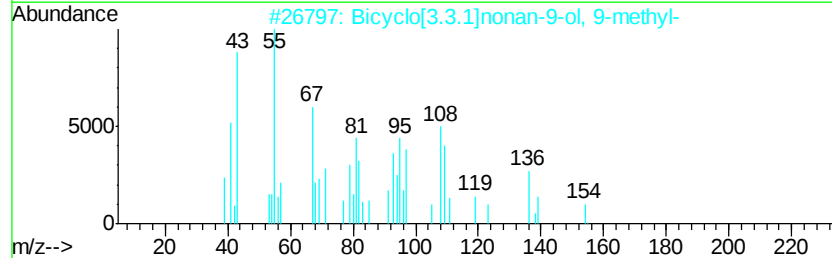
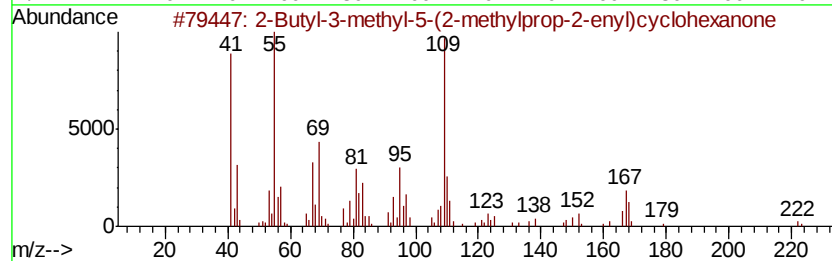
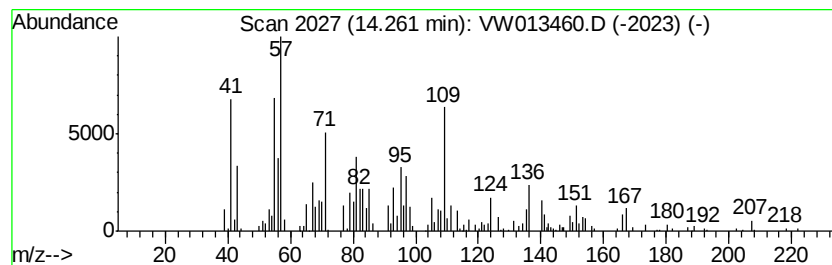
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Quant Title : SW846 8260

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

Peak Number 5 unknown14.26 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	27.66 ug/l	100660	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Butyl-3-methyl-5-(2-methylprop...	222	C15H26O	1000281-10-7	35
2		Bicyclo[3.3.1]nonan-9-ol, 9-methyl-	154	C10H18O	033832-25-6	30
3		1,4-Methanoazulene-9-methanol, d...	222	C15H26O	001139-17-9	18
4		Bicyclo[2.2.2]octane, 1,2,3,6-te...	166	C12H22	062338-45-8	18
5		p-Menth-8(10)-en-9-ol, cis-	154	C10H18O	015714-13-3	15



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
Data File : VW013460.D
Acq On : 07 Oct 2019 13:52
Operator : SY/VA
Sample : K5213-08
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

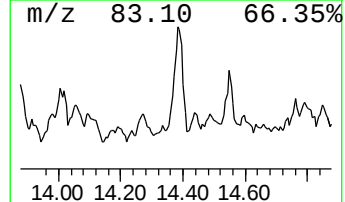
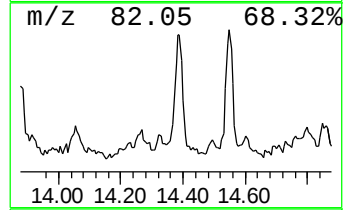
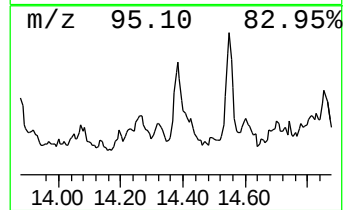
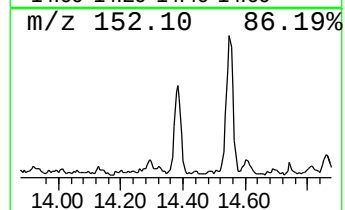
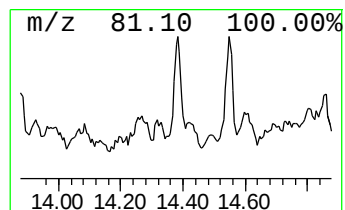
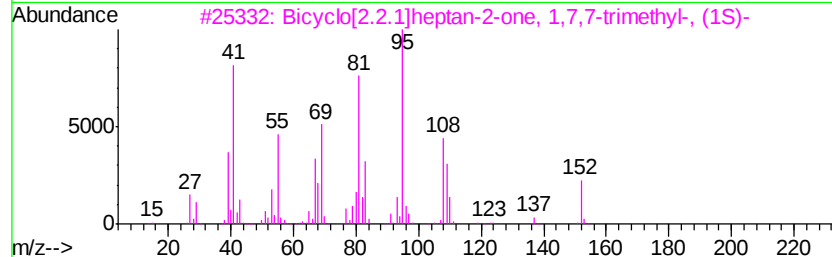
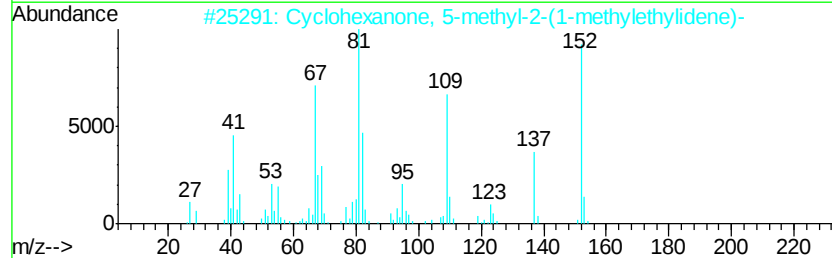
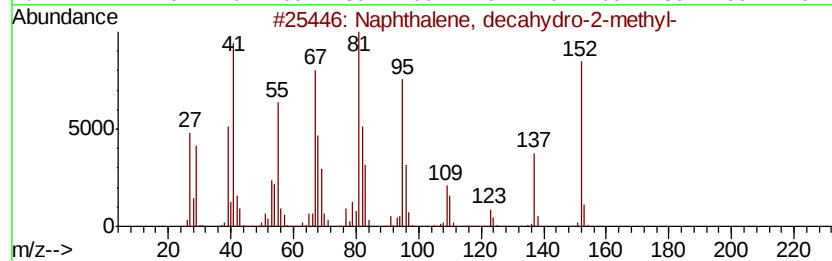
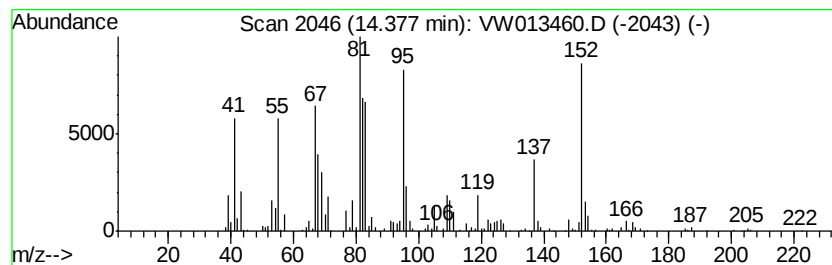
Instrument :
MSVOA_W
ClientSampleId :
S-4(5-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	46.68 ug/l	169876	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1 72
2		Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6 50
3		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152 C10H16O	000464-48-2 49
4		Pulegone	152 C10H16O	000089-82-7 43
5		Cyclopentane, 1,3-dimethyl-2-(1-...	138 C10H18	061142-31-2 30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
Data File : VW013460.D
Acq On : 07 Oct 2019 13:52
Operator : SY/VA
Sample : K5213-08
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-4(5-10)

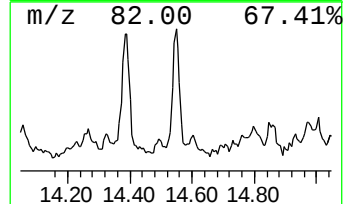
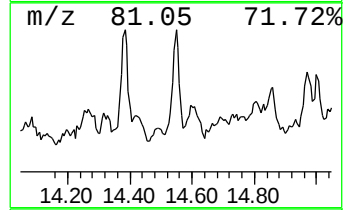
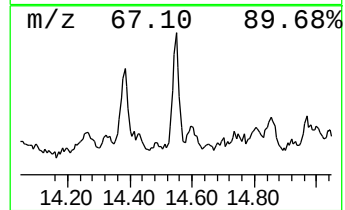
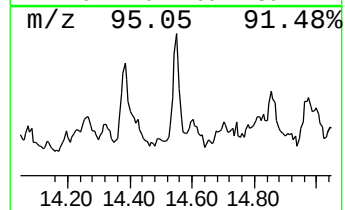
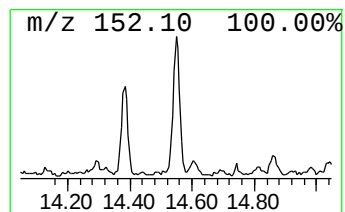
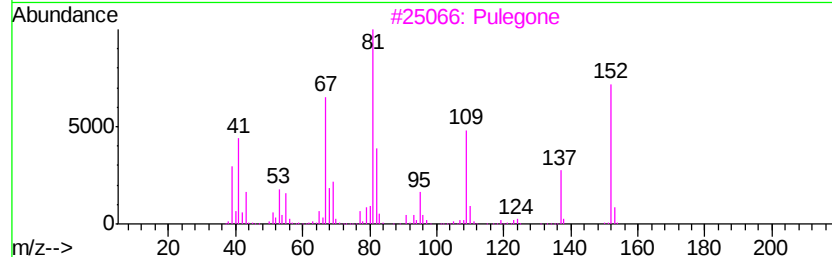
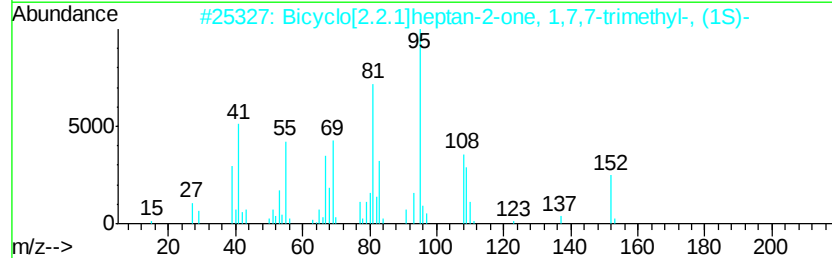
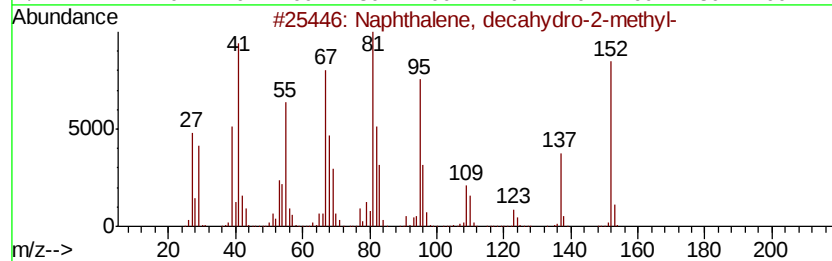
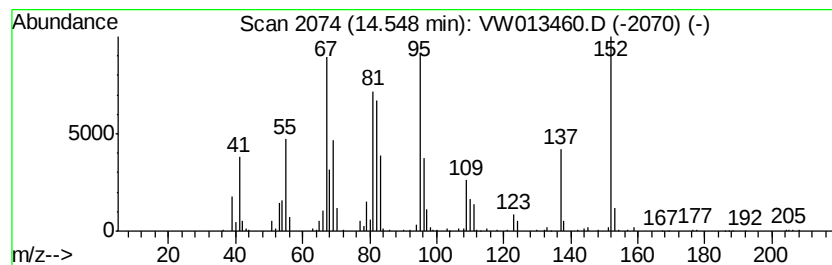
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Quant Title : SW846 8260

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

Peak Number 7 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	50.78 ug/l	184781	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70
2		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	68
3		Pulegone	152	C10H16O	000089-82-7	64
4		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	64
5		Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
Data File : VW013460.D
Acq On : 07 Oct 2019 13:52
Operator : SY/VA
Sample : K5213-08
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-4(5-10)

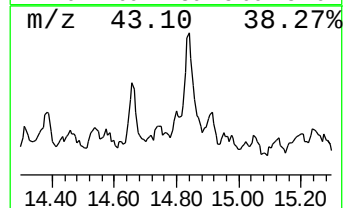
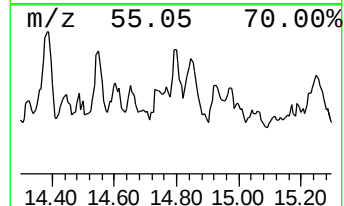
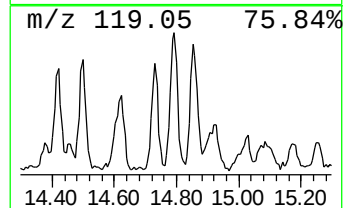
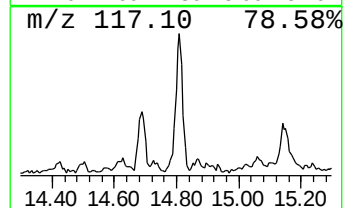
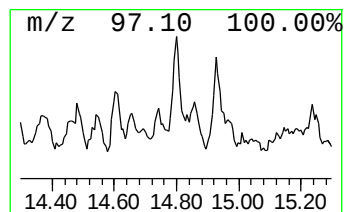
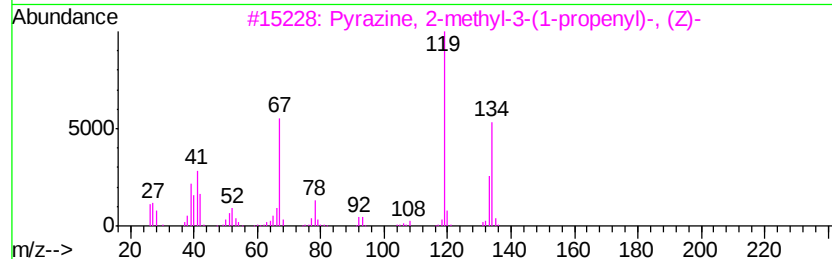
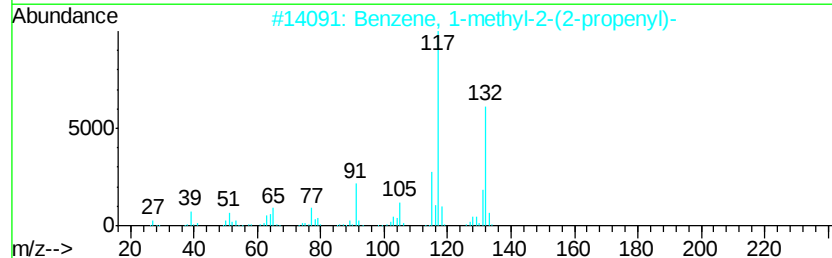
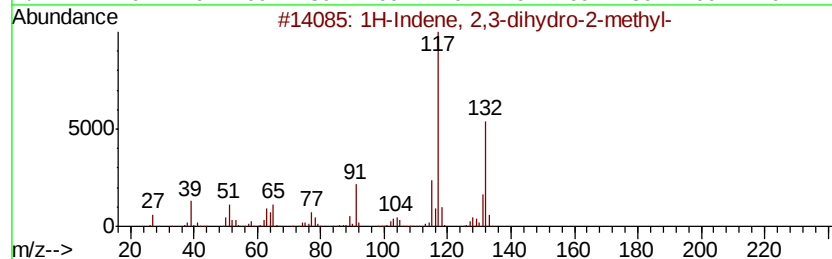
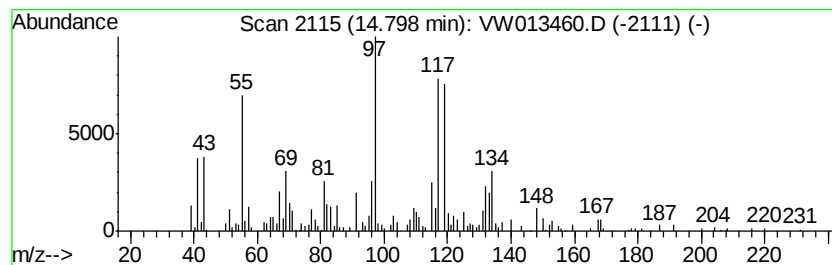
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

Peak Number 8 unknown14.80 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	47.16 ug/l	171600	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	35
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	35
3		Pvrazine, 2-methyl-3-(1-propenyl)-	134	C8H10N2	055138-65-3	25
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	20
5		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	20



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
Data File : VW013460.D
Acq On : 07 Oct 2019 13:52
Operator : SY/VA
Sample : K5213-08
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-4(5-10)

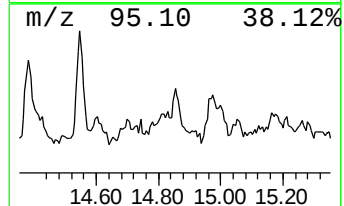
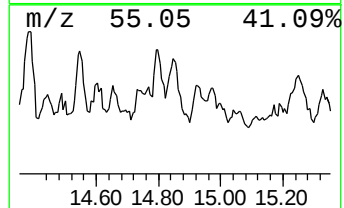
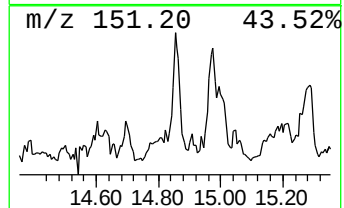
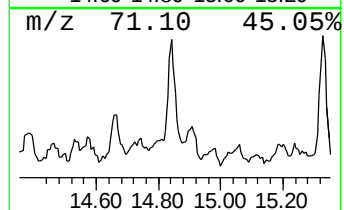
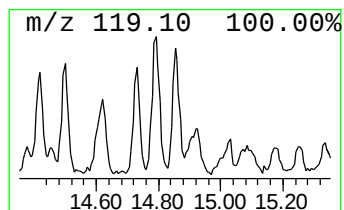
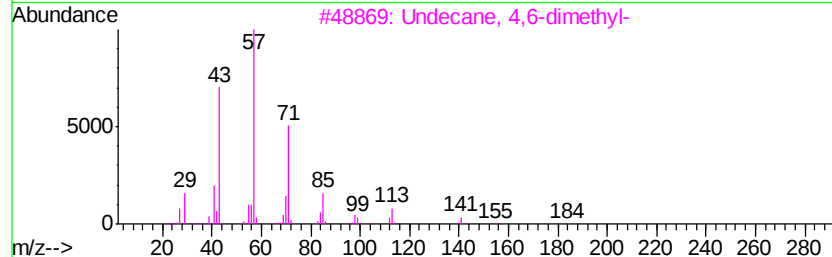
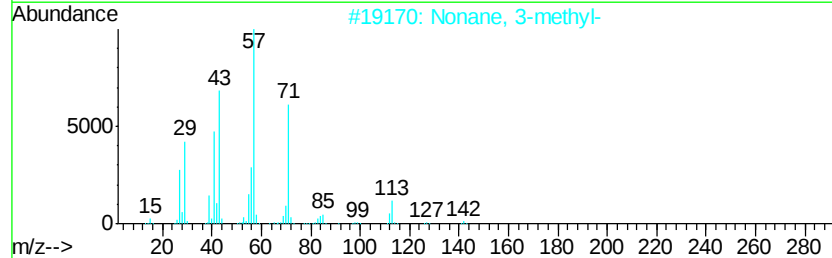
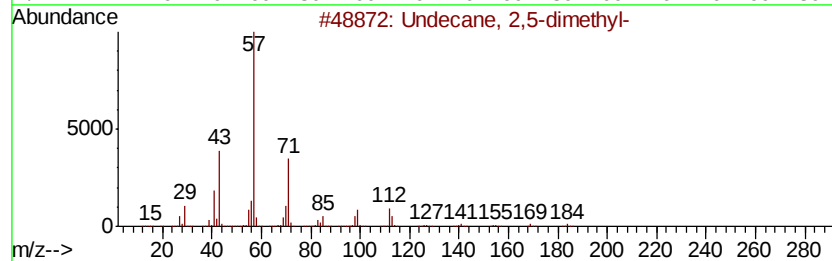
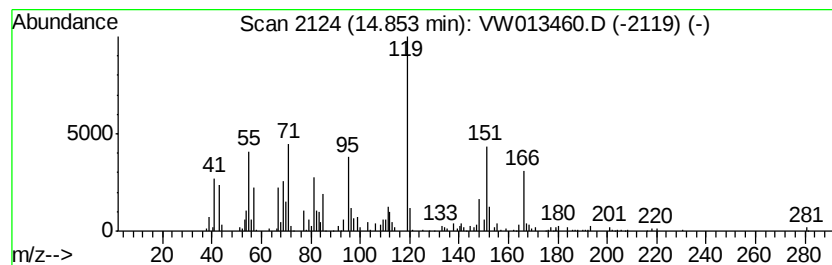
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
Quant Title : SW846 8260

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

Peak Number 9 unknown14.85 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	66.08 ug/l	240485	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	30
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	30
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	27
4		Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	27
5		Octyl thioglycolate	204	C10H20O2S	007664-80-4	25



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013460.D
 Acq On : 07 Oct 2019 13:52
 Operator : SY/VA
 Sample : K5213-08
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S-4(5-10)

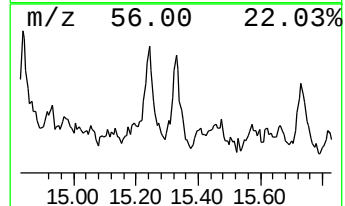
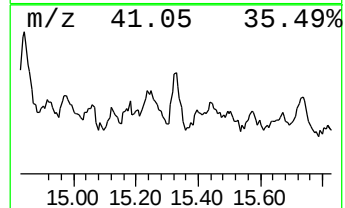
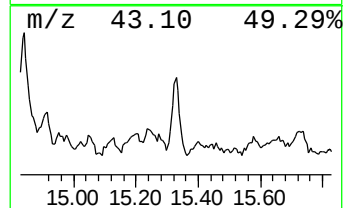
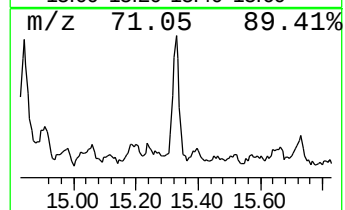
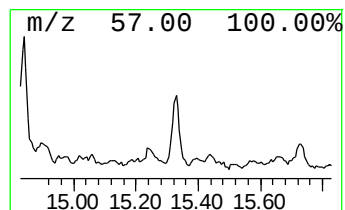
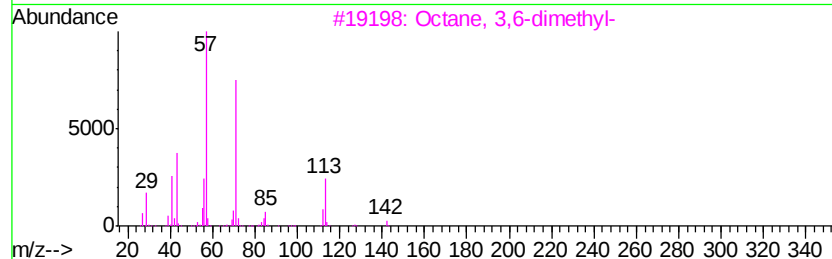
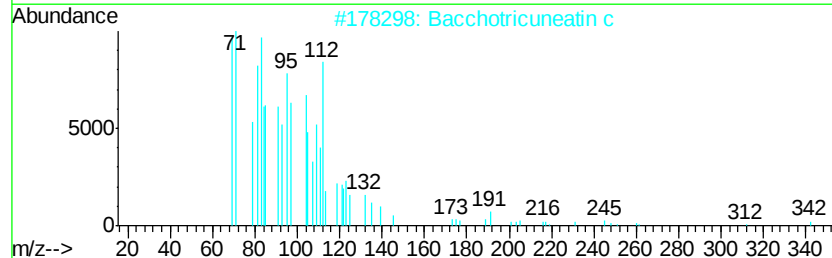
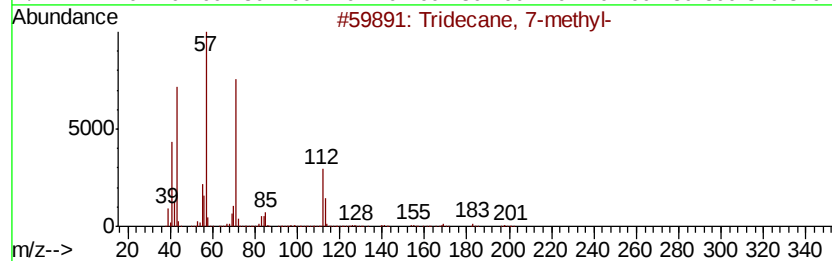
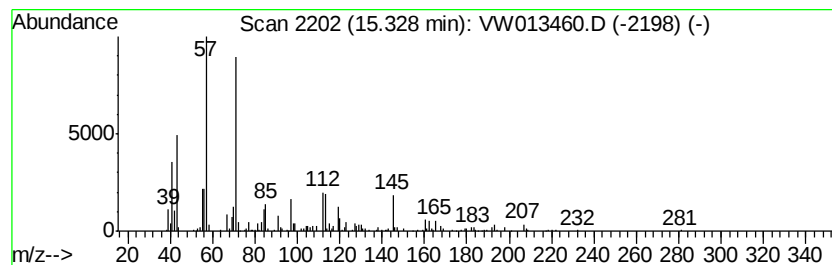
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260

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

 Peak Number 10 Tridecane, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	44.62 ug/l	162380	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	89
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	68
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4		Propanoic acid, 3-mercapto-, 2-e...	218	C11H22O2S	050448-95-8	58
5		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW100719\
Data File : VW013460.D
Acq On : 07 Oct 2019 13:52
Operator : SY/VA
Sample : K5213-08
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
S-4(5-10)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.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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Cyclohexane, (2-m...	13.44	33.6	ug/l	122361	4	13.56	181953	50.0
Spiro[4.5]decane	13.88	66.6	ug/l	242489	4	13.56	181953	50.0
unknown14.26	14.26	27.7	ug/l	100660	4	13.56	181953	50.0
Naphthalene, deca...	14.38	46.7	ug/l	169876	4	13.56	181953	50.0
Bicyclo[2.2.1]hep...	14.55	50.8	ug/l	184781	4	13.56	181953	50.0
unknown14.80	14.80	47.2	ug/l	171600	4	13.56	181953	50.0
unknown14.85	14.85	66.1	ug/l	240485	4	13.56	181953	50.0
Tridecane, 7-methyl-	15.33	44.6	ug/l	162380	4	13.56	181953	50.0