

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
 Data File : VW014546.D
 Acq On : 07 Jan 2020 14:56
 Operator : SY/VA
 Sample : K6476-06
 Misc : 8.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

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\82W010320S.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	7.945	984	991	1000	rVB3	1647758	4345596	2.64%	0.219%
2	8.482	1072	1079	1088	rVB	557758	1684509	1.02%	0.085%
3	8.836	1128	1137	1158	rBV	1190977	2394019	1.45%	0.121%
4	9.329	1203	1218	1225	rBV	2987201	6882243	4.18%	0.347%
5	10.091	1333	1343	1356	rBV	932431	2286242	1.39%	0.115%
6	10.317	1374	1380	1385	rBV	3457391	6660200	4.05%	0.336%
7	10.494	1403	1409	1419	rVB2	673058	1796146	1.09%	0.091%
8	10.664	1431	1437	1445	rVB	1414535	2699469	1.64%	0.136%
9	10.762	1445	1453	1457	rBV3	986442	2132402	1.30%	0.107%
10	10.933	1472	1481	1488	rBV	2131181	3717763	2.26%	0.187%
11	11.036	1488	1498	1505	rBV	1705432	3733929	2.27%	0.188%
12	11.177	1513	1521	1525	rVV	3544852	6378051	3.87%	0.321%
13	11.231	1525	1530	1535	rVB	3462920	6189820	3.76%	0.312%
14	11.335	1542	1547	1551	rBV2	2862533	4971015	3.02%	0.250%
15	11.384	1551	1555	1556	rVV	1421878	2188076	1.33%	0.110%
16	11.433	1560	1563	1570	rVB	2454033	4142928	2.52%	0.209%
17	11.512	1570	1576	1581	rBV	5724102	9637849	5.85%	0.486%
18	11.652	1587	1599	1607	rBV2	35304918	65839836	39.99%	3.318%
19	11.762	1614	1617	1620	rBV	1524235	2282488	1.39%	0.115%
20	11.811	1620	1625	1630	rVB5	2966779	6356557	3.86%	0.320%
21	11.872	1630	1635	1639	rBV	8327206	14593071	8.86%	0.735%
22	11.914	1639	1642	1647	rVB2	5846163	9438083	5.73%	0.476%
23	11.975	1647	1652	1654	rBV2	2222219	3710855	2.25%	0.187%
24	12.061	1660	1666	1671	rVB4	6532856	12105379	7.35%	0.610%
25	12.140	1671	1679	1684	rBV3	17021806	38951599	23.66%	1.963%
26	12.189	1684	1687	1690	rVV2	4114249	4561652	2.77%	0.230%
27	12.256	1690	1698	1702	rVB	32504730	56453010	34.29%	2.845%
28	12.335	1702	1711	1712	rBV3	16227316	32589641	19.80%	1.642%
29	12.371	1713	1717	1727	rVB2	26166079	59805566	36.33%	3.014%
30	12.499	1727	1738	1752	rVB7	24449535	87932049	53.41%	4.431%
31	12.621	1752	1758	1763	rVB2	13895182	22686179	13.78%	1.143%
32	12.701	1763	1771	1775	rBV5	11536119	28831255	17.51%	1.453%
33	12.749	1775	1779	1780	rBV2	2681280	3620519	2.20%	0.182%
34	12.780	1780	1784	1790	rVB2	26525840	50037748	30.40%	2.522%

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35	12.859	1790	1797	1802	rBV4	14164552	34787644	21.13%	1.753%
36	12.945	1802	1811	1815	rBV6	35570815	95490527	58.01%	4.812%
37	12.993	1815	1819	1824	rVB4	23532706	39953929	24.27%	2.013%
38	13.042	1824	1827	1829	rBV2	3408237	4896344	2.97%	0.247%
39	13.079	1829	1833	1837	rBV2	23001224	37105103	22.54%	1.870%
40	13.127	1837	1841	1844	rBV3	10801224	19708010	11.97%	0.993%
41	13.170	1844	1848	1854	rVB2	22765464	34788835	21.13%	1.753%
42	13.225	1854	1857	1862	rVB3	12380190	19699340	11.97%	0.993%
43	13.298	1864	1869	1873	rBV	30719262	45056381	27.37%	2.270%
44	13.347	1873	1877	1881	rBV3	29601030	50344104	30.58%	2.537%
45	13.451	1886	1894	1898	rVV5	59674141	137983314	83.82%	6.953%
46	13.487	1898	1900	1906	rVB4	26231102	39147794	23.78%	1.973%
47	13.591	1914	1917	1922	rVB2	16310274	24374441	14.81%	1.228%
48	13.701	1930	1935	1948	rVB5	20193637	57620931	35.00%	2.904%
49	13.822	1948	1955	1959	rBV4	12487737	32357912	19.66%	1.631%
50	13.883	1959	1965	1969	rBV2	62117912	119208115	72.41%	6.007%
51	13.926	1969	1972	1976	rVB4	25944454	36342660	22.08%	1.831%
52	13.981	1977	1981	1985	rBV2	23024342	36626094	22.25%	1.846%
53	14.200	2012	2017	2022	rBV5	19631662	37548677	22.81%	1.892%
54	14.267	2023	2028	2033	rVV4	27373400	53192539	32.31%	2.680%
55	14.316	2033	2036	2041	rVV4	13084863	23755746	14.43%	1.197%
56	14.389	2042	2048	2059	rVV3	65296791	164622793	100.00%	8.296%
57	14.499	2062	2066	2069	rVV4	17976008	33565237	20.39%	1.691%
58	14.554	2072	2075	2080	rVV3	31474378	52882973	32.12%	2.665%
59	14.603	2080	2083	2087	rVB3	9982676	14083834	8.56%	0.710%
60	14.737	2102	2105	2109	rBV4	4680308	7296925	4.43%	0.368%
61	14.798	2111	2115	2120	rVV4	9354119	19890872	12.08%	1.002%
62	14.859	2121	2125	2130	rVB5	12233527	20775555	12.62%	1.047%
63	14.932	2133	2137	2140	rBV2	10776580	14866366	9.03%	0.749%
64	14.975	2140	2144	2147	rBV	9526629	12436470	7.55%	0.627%
65	15.066	2155	2159	2162	rBV2	5607362	7624099	4.63%	0.384%
66	15.267	2187	2192	2198	rVV8	8053394	19501418	11.85%	0.983%
67	15.334	2199	2203	2210	rVB2	16984691	35706964	21.69%	1.799%
68	15.633	2248	2252	2254	rBV4	3993018	6585190	4.00%	0.332%
69	15.737	2265	2269	2276	rVB6	2779755	5708861	3.47%	0.288%
70	15.822	2278	2283	2287	rVV2	2830174	5469118	3.32%	0.276%
71	16.023	2312	2316	2325	rVB	5829485	11797785	7.17%	0.595%

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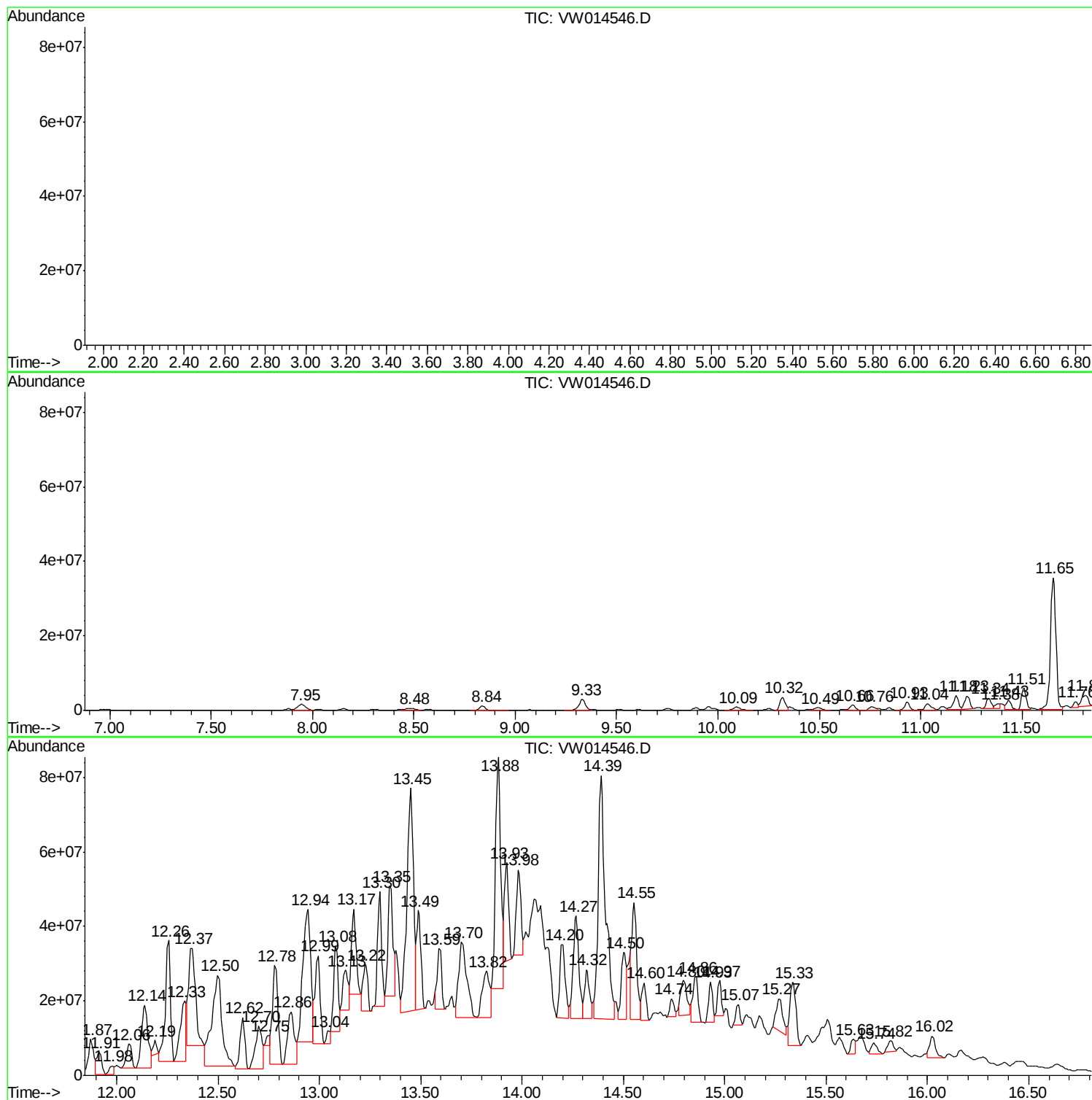
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260

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



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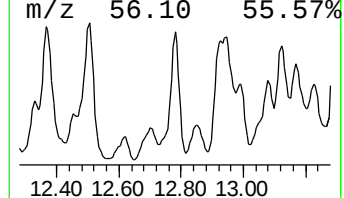
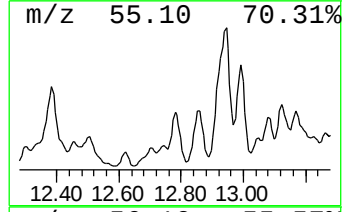
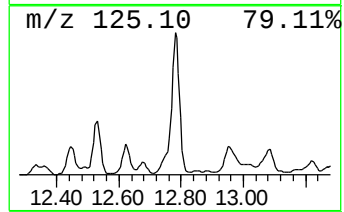
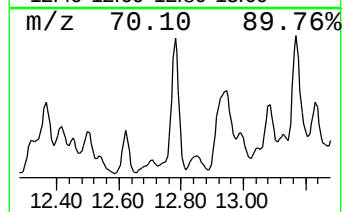
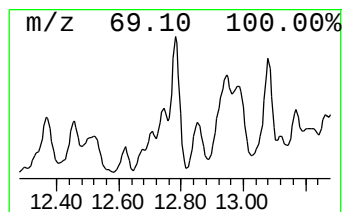
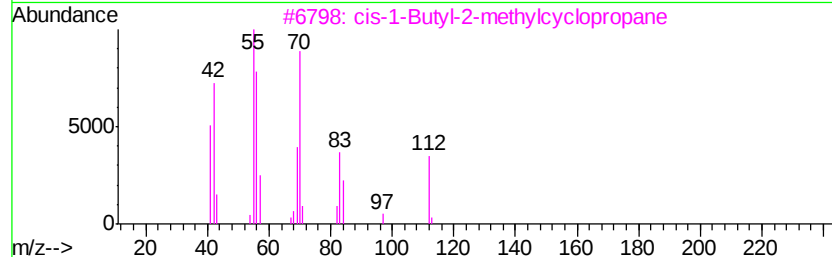
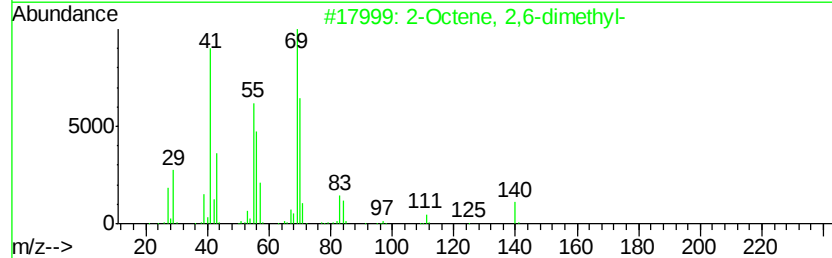
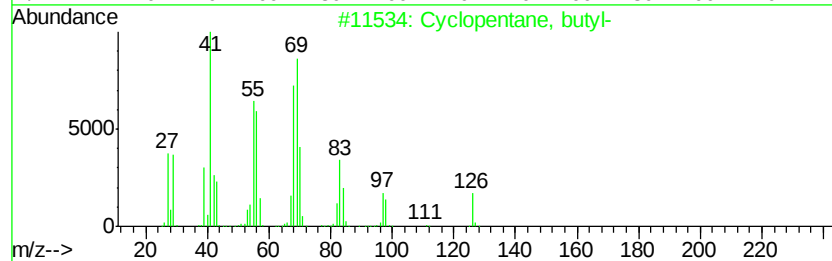
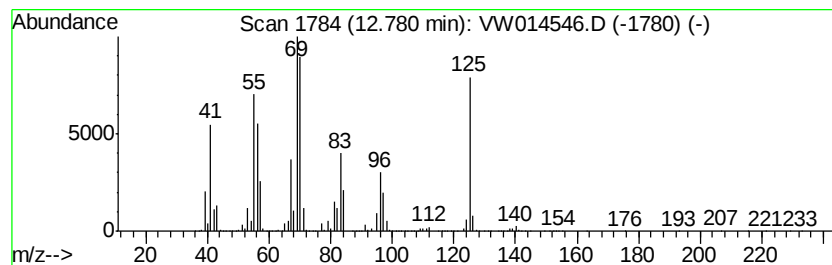
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Quant Title : SW846 8260

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

Peak Number 1 unknown12.78 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	102.64 ug/l	50037700	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, butyl-	126	C9H18	002040-95-1	49
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	46
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4		2(1H)-Pyrimidinone, 4-amino-5-me...	125	C5H7N3O	000554-01-8	46
5		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46



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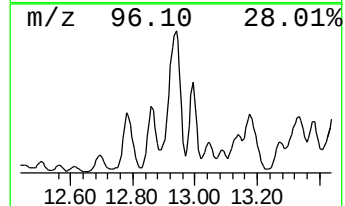
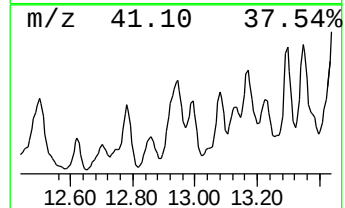
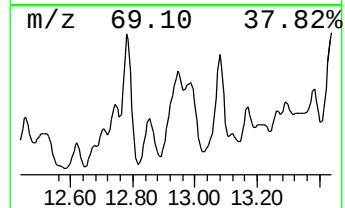
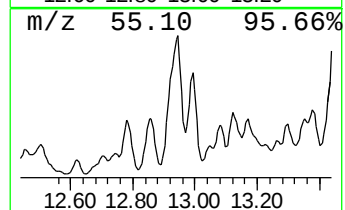
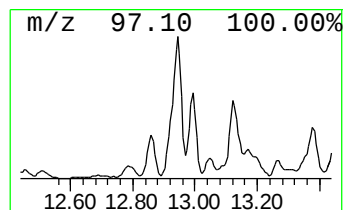
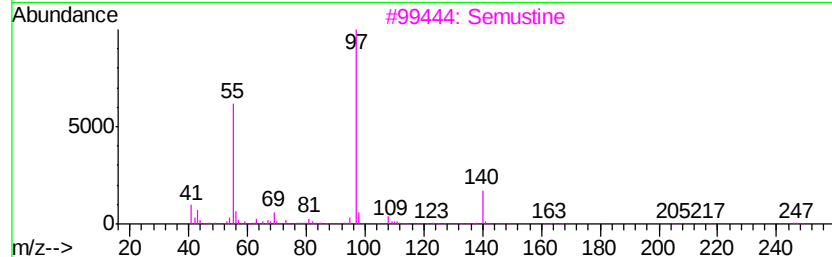
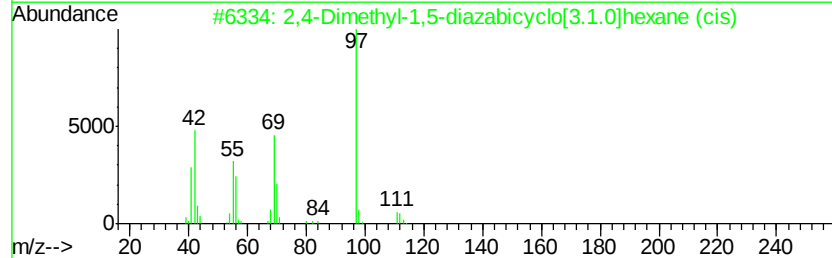
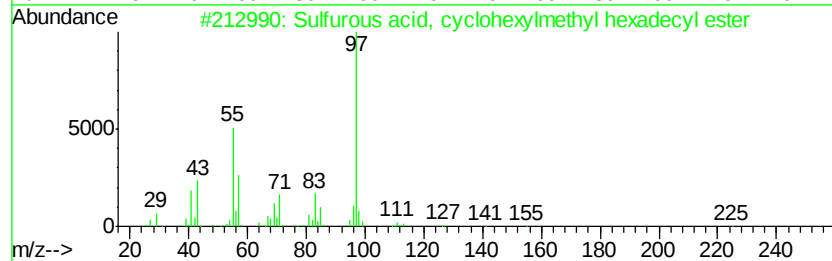
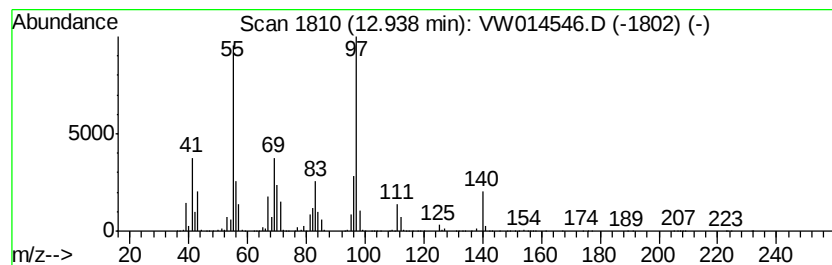
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Sulfurous acid, cyclohexylm... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	195.88 ug/l	95490500	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Sulfurous acid, cyclohexylmethyl...	402 C23H46O3S	1000309-22-4 53
2		2,4-Dimethyl-1,5-diazabicyclo[3....	112 C6H12N2	100463-01-2 49
3		Semustine	247 C10H18ClN3O2	013909-09-6 47
4		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	006236-88-0 47
5		Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9 46



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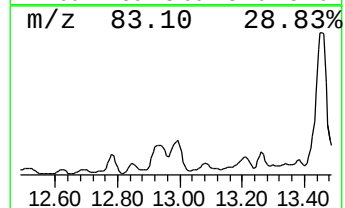
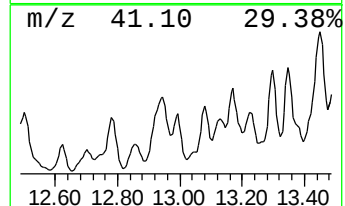
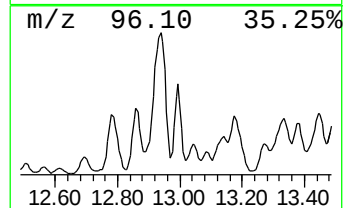
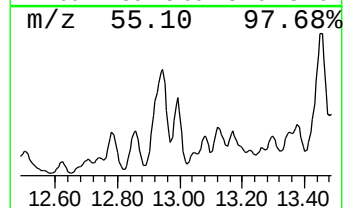
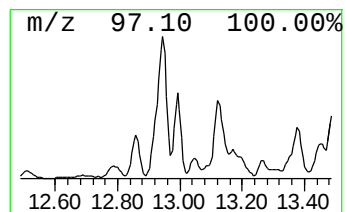
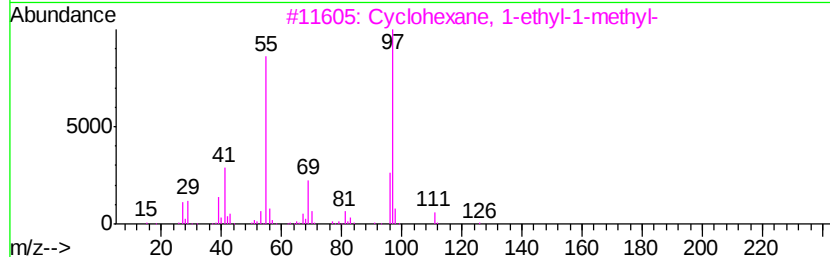
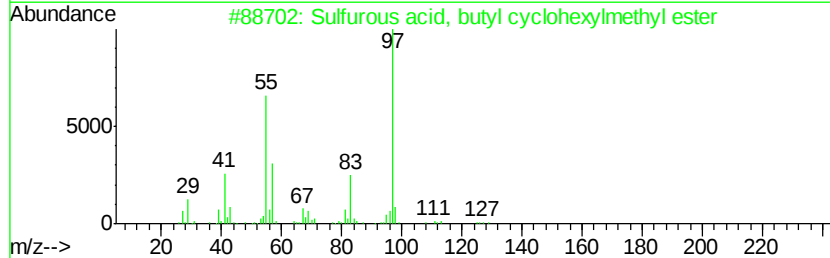
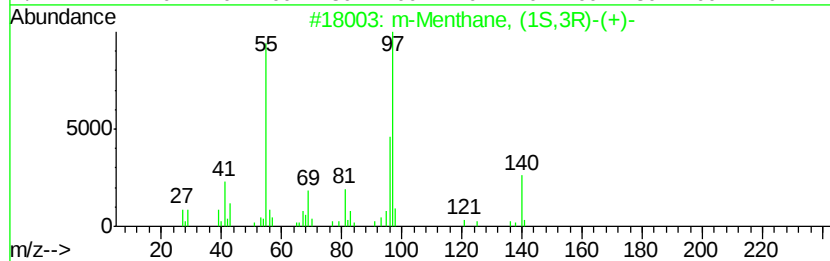
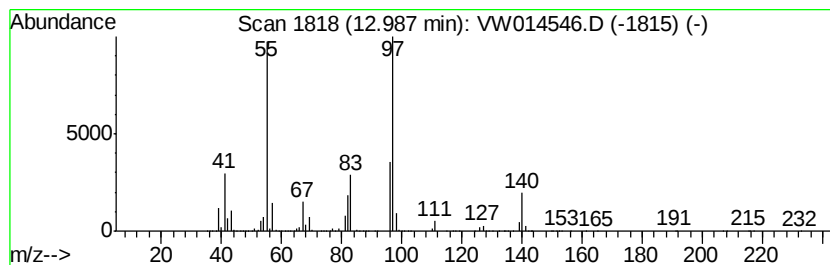
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 m-Menthane, (1S,3R)-(+)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	81.96 ug/l	39953900	1,4-Dichlorobenzene-d4	13.55
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	m-Menthane, (1S,3R)-(+)-	140 C10H20	013837-66-6	58
2	Sulfurous acid, butyl cyclohexyl...	234 C11H22O3S	1000309-21-4	50
3	Cyclohexane, 1-ethyl-1-methyl-	126 C9H18	004926-90-3	50
4	Sulfurous acid, cyclohexylmethyl...	262 C13H26O3S	1000309-21-6	50
5	Sulfurous acid, cyclohexylmethyl...	276 C14H28O3S	1000309-21-7	50



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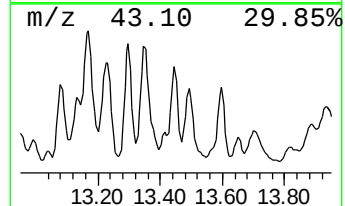
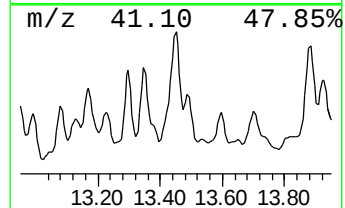
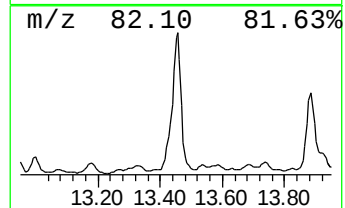
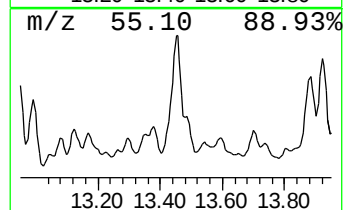
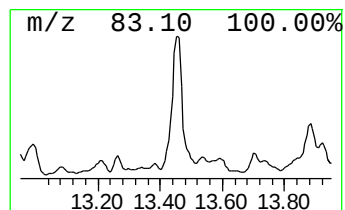
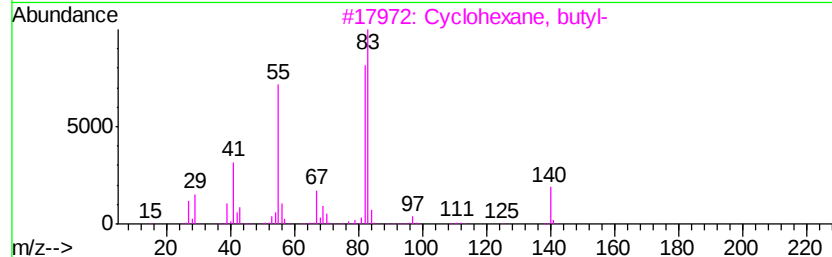
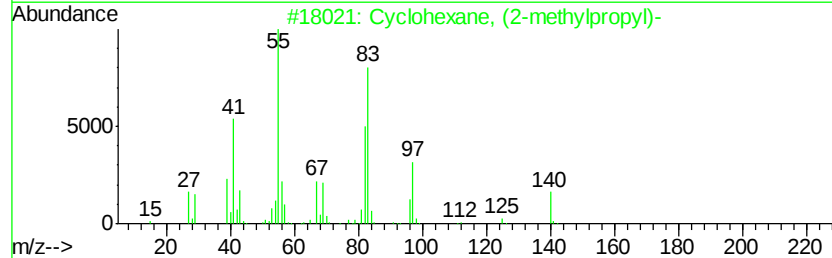
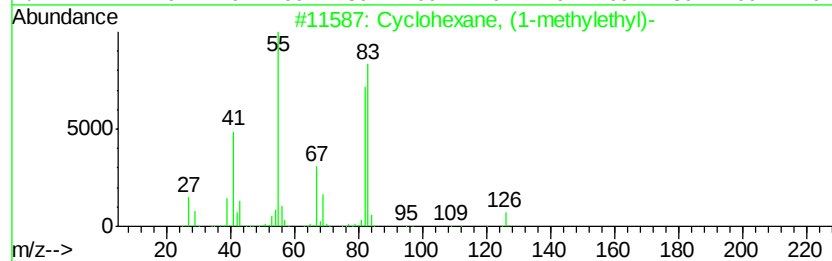
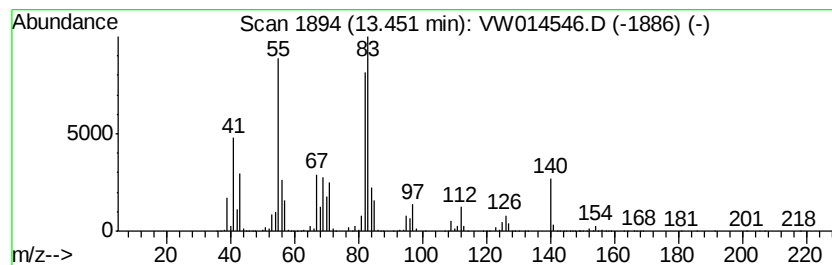
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, (1-methylethyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	283.05 ug/l	137983000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	58
4		Cyclohexane, propyl-	126	C9H18	001678-92-8	52
5		Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014546.D
Acq On : 07 Jan 2020 14:56
Operator : SY/VA
Sample : K6476-06
Misc : 8.35G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

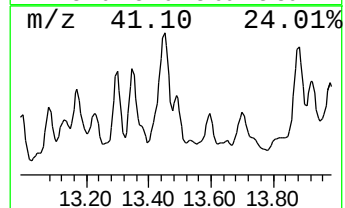
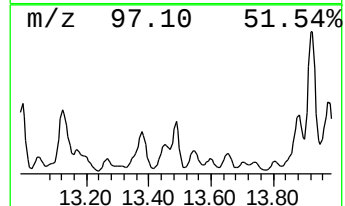
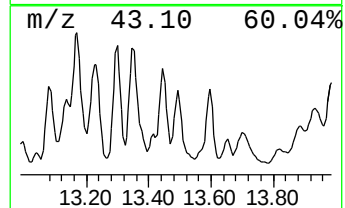
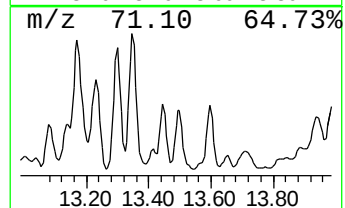
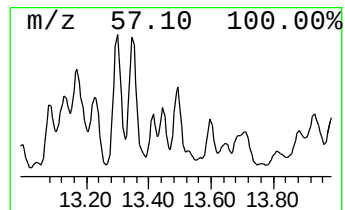
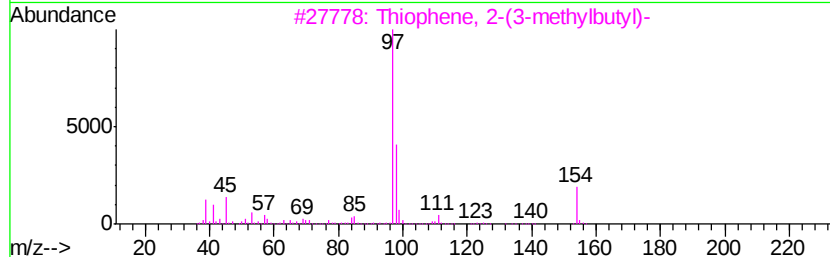
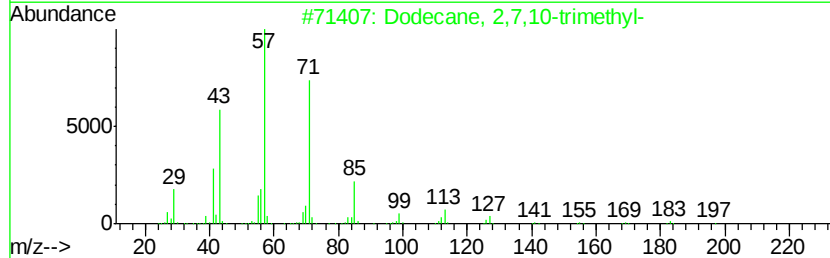
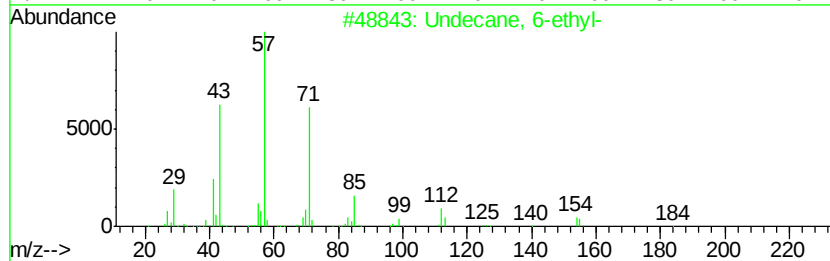
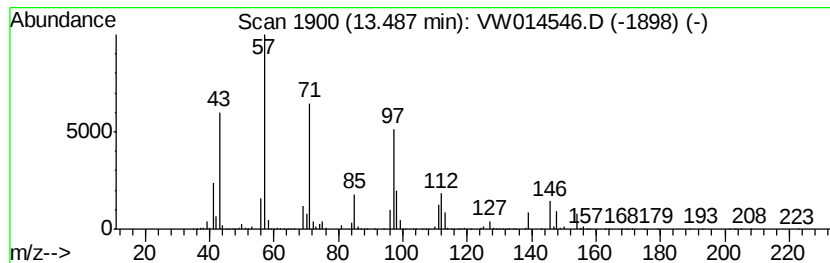
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Quant Title : SW846 8260

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

Peak Number 5 unknown13.49 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	80.31 ug/l	39147800	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-ethyl-		184	C13H28	017312-60-6	35
2	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	30
3	Thiophene, 2-(3-methylbutyl)-		154	C9H14S	026963-33-7	22
4	Oxalic acid, 2-ethylhexyl isohex...		286	C16H30O4	1000309-38-8	22
5	Oxalic acid, bis(2-ethylhexyl) e...		314	C18H34O4	1000309-39-0	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014546.D
Acq On : 07 Jan 2020 14:56
Operator : SY/VA
Sample : K6476-06
Misc : 8.35G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

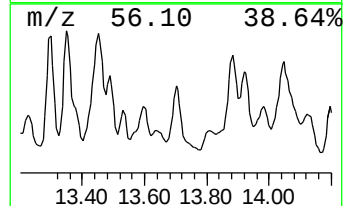
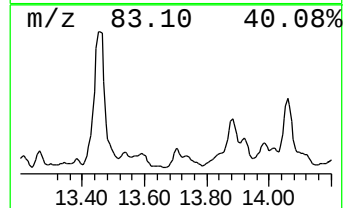
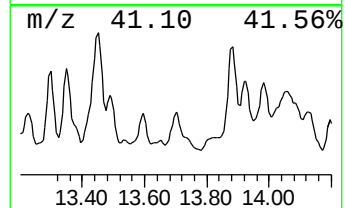
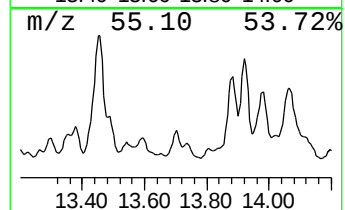
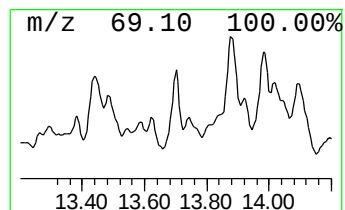
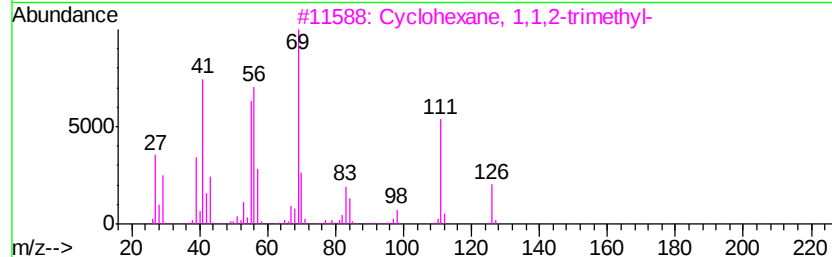
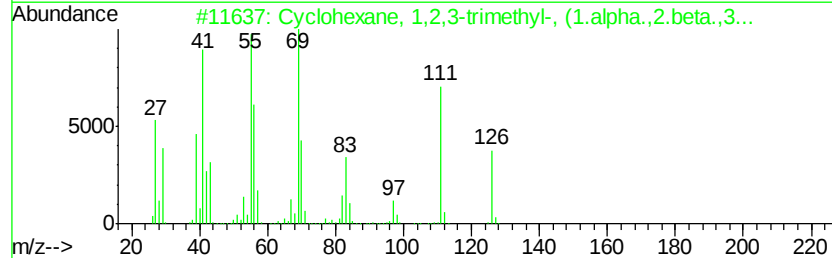
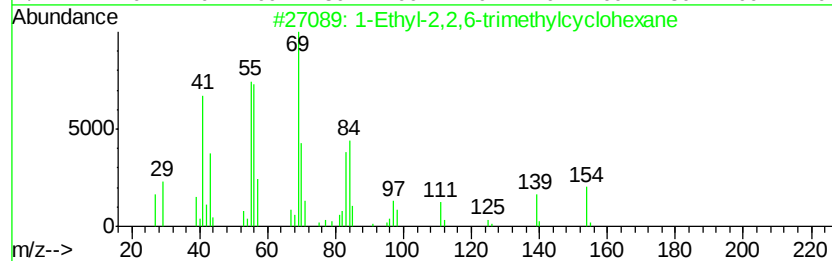
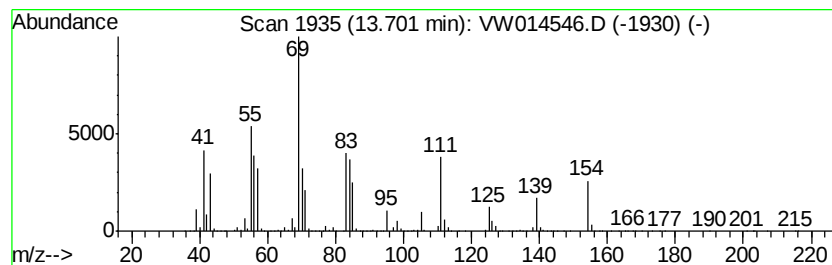
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Quant Title : SW846 8260

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

Peak Number 6 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	118.20 ug/l	57620900	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	83
2		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	53
3		Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47
4		Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	43
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014546.D
Acq On : 07 Jan 2020 14:56
Operator : SY/VA
Sample : K6476-06
Misc : 8.35G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

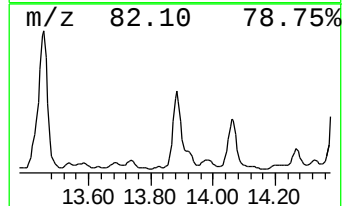
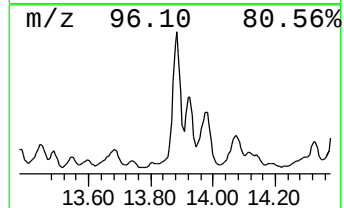
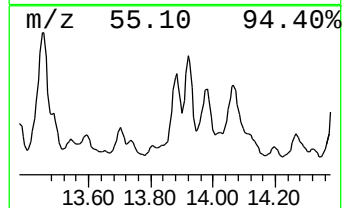
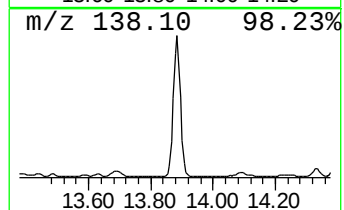
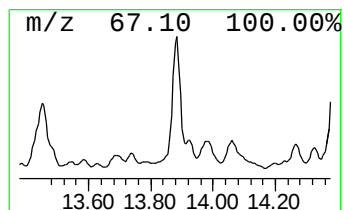
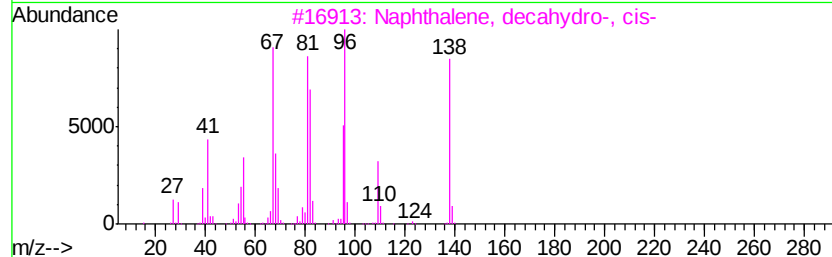
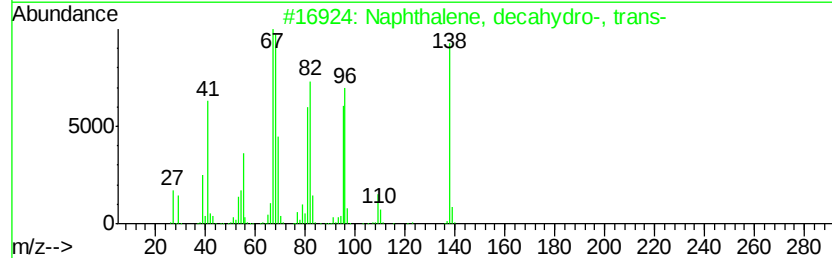
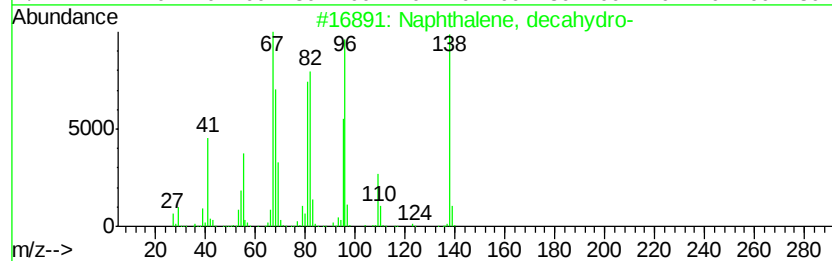
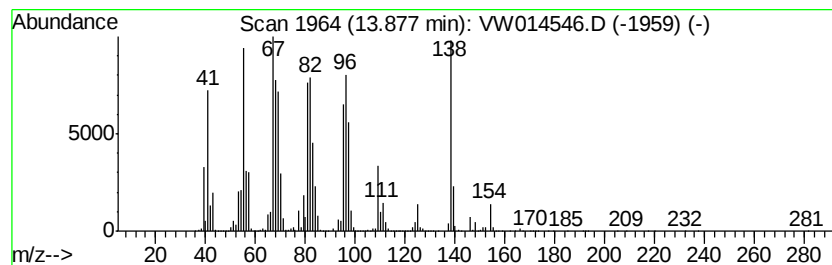
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, decahydro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	244.54 ug/l	119208000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-	138	C10H18	000091-17-8	98
2		Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	81
4		Spiro[4.5]decane	138	C10H18	000176-63-6	64
5		Cyclodecene, (Z)-	138	C10H18	000935-31-9	62



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014546.D
Acq On : 07 Jan 2020 14:56
Operator : SY/VA
Sample : K6476-06
Misc : 8.35G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

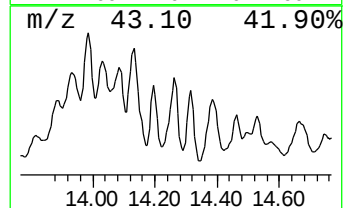
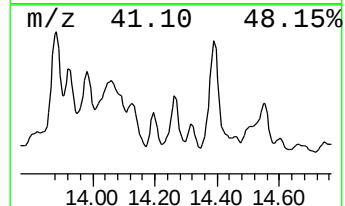
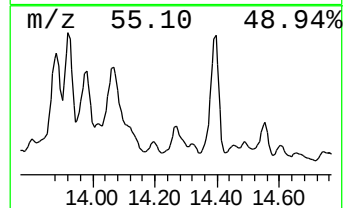
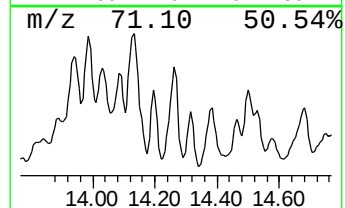
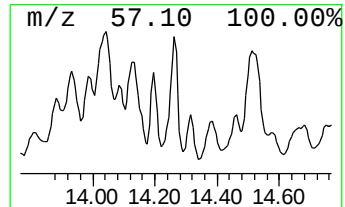
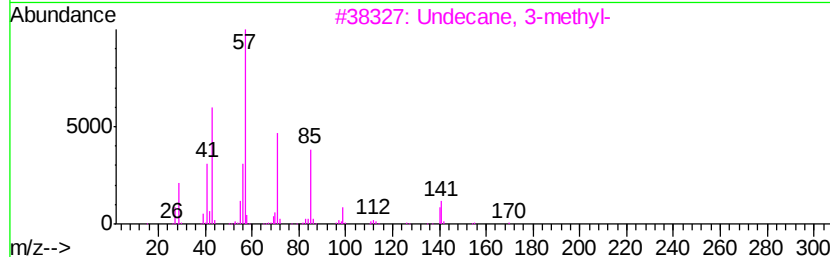
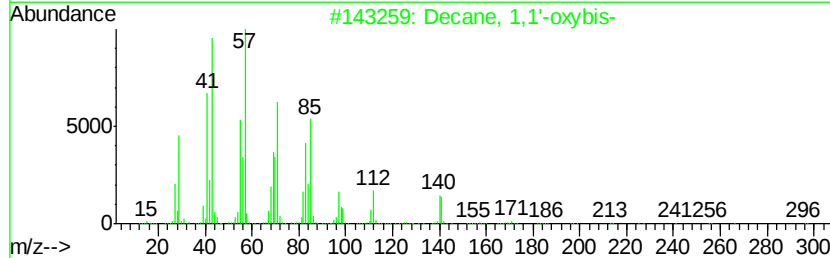
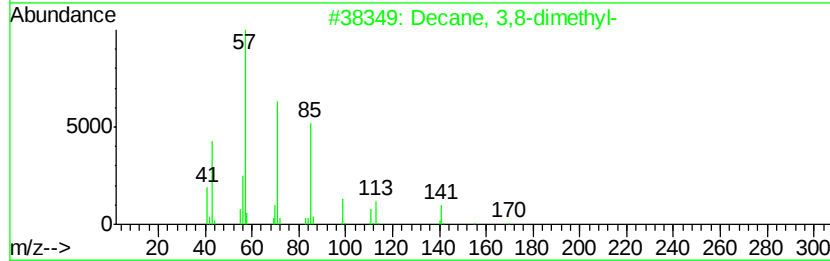
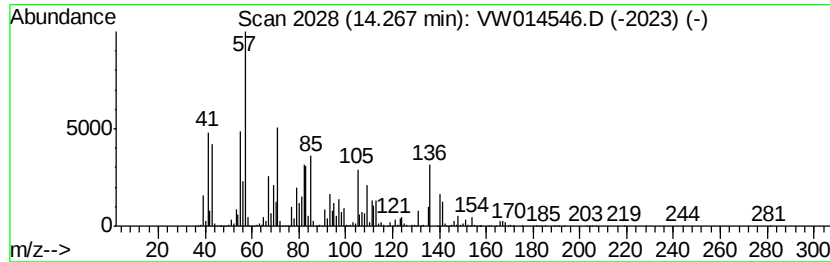
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Quant Title : SW846 8260

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

Peak Number 8 Decane, 3,8-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	109.12 ug/l	53192500	1,4-Dichlorobenzene-d4	13.55

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-		170	C12H26	017312-55-9	55
2	Decane, 1,1'-oxybis-		298	C20H42O	002456-28-2	49
3	Undecane, 3-methyl-		170	C12H26	001002-43-3	49
4	9-methylheptadecane		254	C18H38	026741-18-4	43
5	Nonane, 3-methyl-		142	C10H22	005911-04-6	42



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014546.D
Acq On : 07 Jan 2020 14:56
Operator : SY/VA
Sample : K6476-06
Misc : 8.35G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

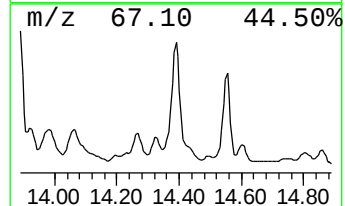
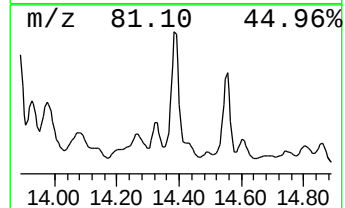
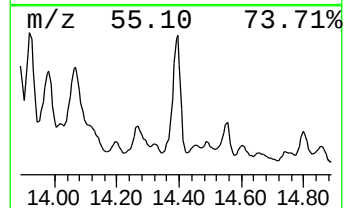
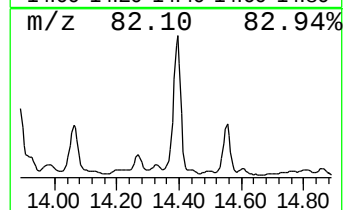
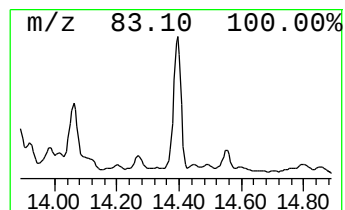
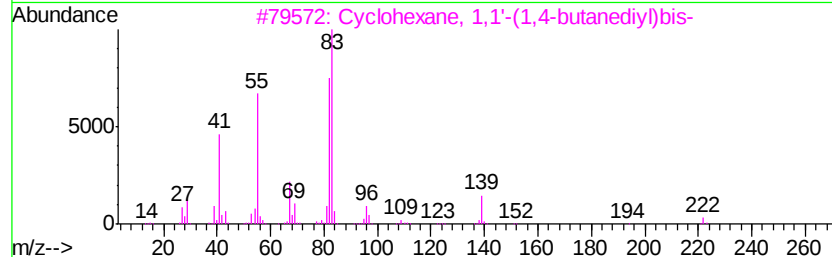
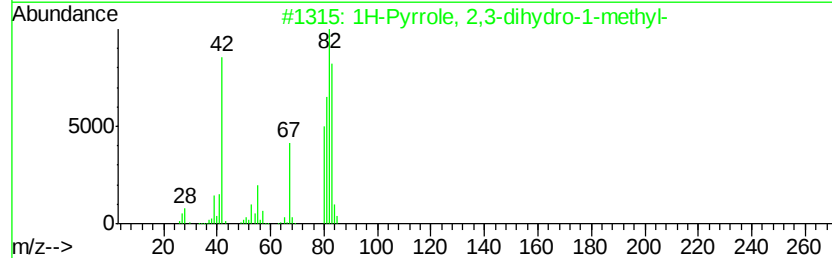
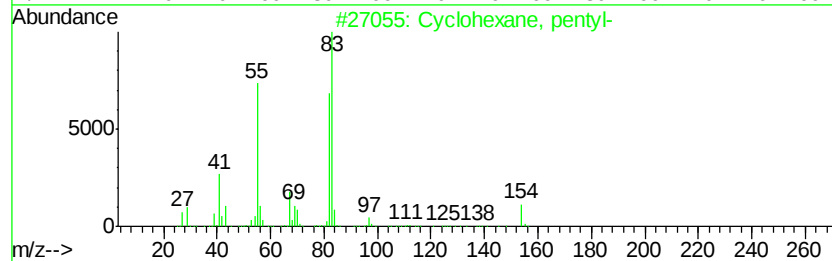
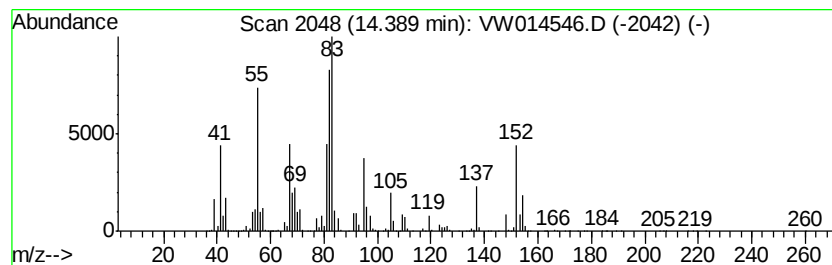
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, pentyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	337.70 ug/l	164623000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	55
2		1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	49
3		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	47
4		Cyclohexane, undecyl-	238	C17H34	054105-66-7	43
5		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
Data File : VW014546.D
Acq On : 07 Jan 2020 14:56
Operator : SY/VA
Sample : K6476-06
Misc : 8.35G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WP022SB455_191227-14-16

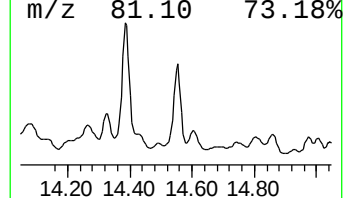
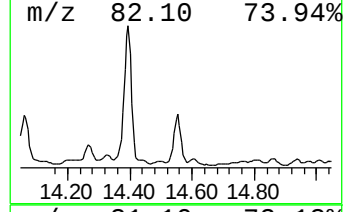
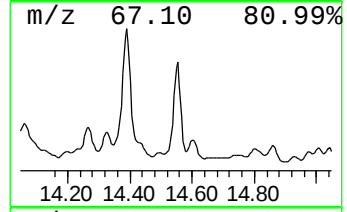
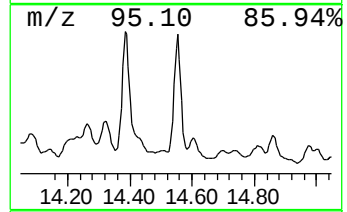
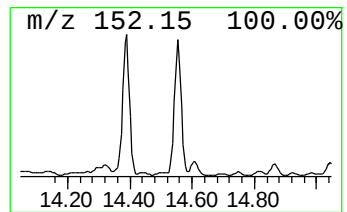
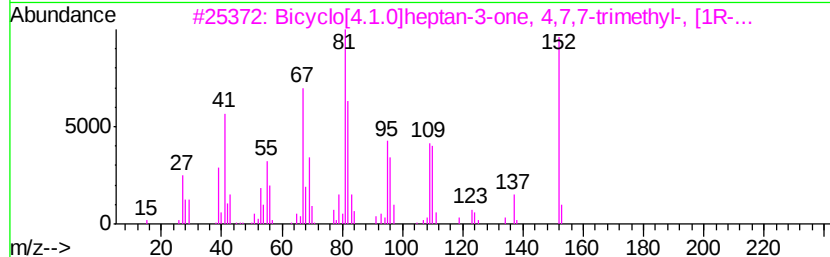
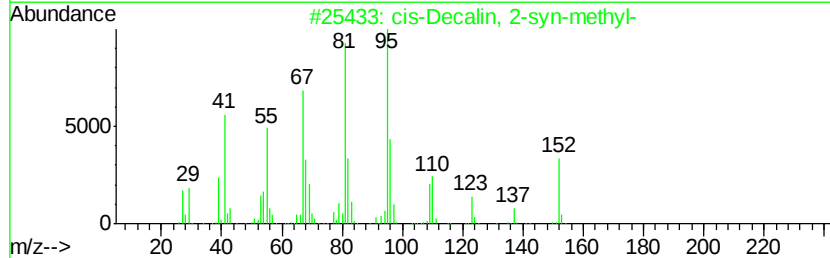
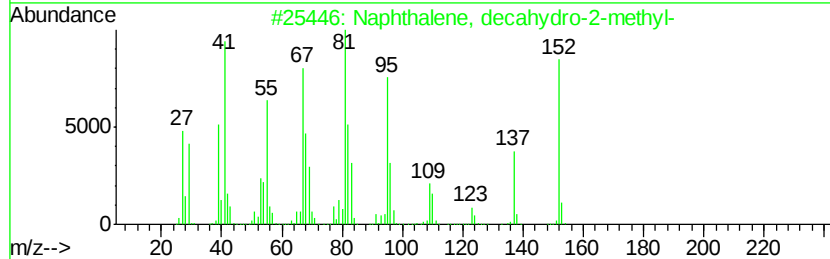
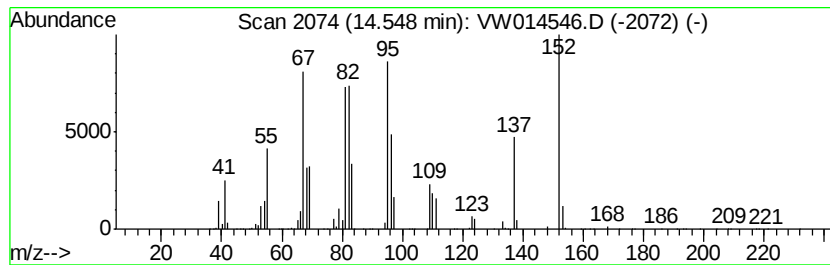
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	108.48 ug/l	52883000	1,4-Dichlorobenzene-d4	13.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	93
2		cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
3		Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	62
4		Cyclopentylcyclohexane	152	C11H20	001606-08-2	58
5		Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	52



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010720\
 Data File : VW014546.D
 Acq On : 07 Jan 2020 14:56
 Operator : SY/VA
 Sample : K6476-06
 Misc : 8.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WP022SB455_191227-14-16

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.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
unknown12.78	12.78	102.6	ug/l	50037700	4	13.55	24374400	50.0
Sulfurous acid, c...	12.94	195.9	ug/l	95490500	4	13.55	24374400	50.0
m-Menthane, (1S,3...	12.99	82.0	ug/l	39953900	4	13.55	24374400	50.0
Cyclohexane, (1-m...	13.45	283.1	ug/l	137983000	4	13.55	24374400	50.0
unknown13.49	13.49	80.3	ug/l	39147800	4	13.55	24374400	50.0
1-Ethyl-2,2,6-tri...	13.70	118.2	ug/l	57620900	4	13.55	24374400	50.0
Naphthalene, deca...	13.88	244.5	ug/l	119208000	4	13.55	24374400	50.0
Decane, 3,8-dimet...	14.27	109.1	ug/l	53192500	4	13.55	24374400	50.0
Cyclohexane, pentyl-	14.39	337.7	ug/l	164623000	4	13.55	24374400	50.0
Naphthalene, deca...	14.55	108.5	ug/l	52883000	4	13.55	24374400	50.0