

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012756.D
 Acq On : 08 Sep 2019 08:50
 Operator : SY/VA
 Sample : K4636-13
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-33-9.5-10.0

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\82W090719S.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	1.946	5	7	26	rVB3	21649	57042	4.74%	0.703%
2	2.147	35	40	50	rBV	16199	36226	3.01%	0.446%
3	4.129	353	365	376	rBV	30601	90053	7.49%	1.109%
4	4.373	394	405	414	rBV2	12501	37839	3.15%	0.466%
5	4.897	481	491	492	rBV3	7396	12749	1.06%	0.157%
6	5.927	652	660	673	rVB5	8756	26300	2.19%	0.324%
7	7.171	852	864	877	rBV2	12133	38646	3.21%	0.476%
8	7.878	970	980	985	rBV	148192	356626	29.65%	4.392%
9	7.945	985	991	1000	rVB	321716	710048	59.04%	8.745%
10	8.305	1040	1050	1060	rBV	159498	362272	30.12%	4.462%
11	8.841	1124	1138	1153	rBV	429846	882475	73.38%	10.869%
12	9.329	1206	1218	1226	rBV5	10214	30943	2.57%	0.381%
13	10.323	1372	1381	1397	rBV	683302	1202599	100.00%	14.812%
14	10.506	1404	1411	1418	rVB7	8633	23012	1.91%	0.283%
15	10.664	1432	1437	1440	rBV3	11189	19459	1.62%	0.240%
16	10.707	1440	1444	1448	rVV	12180	19524	1.62%	0.240%
17	11.176	1516	1521	1525	rBV2	11176	17387	1.45%	0.214%
18	11.225	1525	1529	1535	rVB	21482	37501	3.12%	0.462%
19	11.335	1542	1547	1552	rBV4	7807	12381	1.03%	0.152%
20	11.432	1559	1563	1571	rVB3	14252	25704	2.14%	0.317%
21	11.512	1571	1576	1580	rBV2	7265	14014	1.17%	0.173%
22	11.627	1588	1595	1606	rBV	507742	871622	72.48%	10.736%
23	11.762	1614	1617	1620	rBV4	10088	12539	1.04%	0.154%
24	11.816	1620	1626	1631	rBV9	10841	24355	2.03%	0.300%
25	11.871	1631	1635	1639	rBV2	22332	39063	3.25%	0.481%
26	11.975	1647	1652	1655	rBV7	7355	12642	1.05%	0.156%
27	12.036	1655	1662	1671	rVB6	11429	32066	2.67%	0.395%
28	12.140	1671	1679	1685	rBV4	46598	114767	9.54%	1.414%
29	12.249	1694	1697	1701	rVB2	18212	27688	2.30%	0.341%
30	12.341	1701	1712	1714	rBV3	70803	161340	13.42%	1.987%
31	12.615	1751	1757	1764	rBV	368649	608843	50.63%	7.499%
32	12.700	1764	1771	1776	rVV4	33011	81674	6.79%	1.006%
33	12.780	1779	1784	1789	rVV2	76142	137358	11.42%	1.692%
34	12.853	1790	1796	1801	rVV7	37388	90910	7.56%	1.120%

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35	12.938	1801	1810	1816	rVV5	87036	275577	22.92%	3.394%
36	12.993	1816	1819	1823	rVB3	23074	32802	2.73%	0.404%
37	13.042	1823	1827	1830	rBV3	40252	66180	5.50%	0.815%
38	13.078	1830	1833	1837	rVV4	24267	38644	3.21%	0.476%
39	13.127	1837	1841	1843	rVV3	14947	23342	1.94%	0.287%
40	13.164	1843	1847	1857	rVB5	49200	104434	8.68%	1.286%
41	13.267	1859	1864	1865	rBV4	15165	23895	1.99%	0.294%
42	13.292	1865	1868	1873	rVV4	12011	21229	1.77%	0.261%
43	13.450	1885	1894	1898	rBV4	48078	122310	10.17%	1.506%
44	13.560	1905	1912	1920	rVB	315672	544435	45.27%	6.706%
45	13.694	1929	1934	1938	rVB5	19979	34059	2.83%	0.419%
46	13.755	1938	1944	1950	rBV	24098	42874	3.57%	0.528%
47	13.877	1958	1964	1969	rBV2	74974	134028	11.14%	1.651%
48	13.981	1977	1981	1984	rBV6	9990	16636	1.38%	0.205%
49	14.206	2011	2018	2023	rBV2	23546	45495	3.78%	0.560%
50	14.261	2023	2027	2033	rVB7	19737	35531	2.95%	0.438%
51	14.322	2034	2037	2043	rBV6	7490	16140	1.34%	0.199%
52	14.383	2043	2047	2051	rBV4	25189	41739	3.47%	0.514%
53	14.548	2069	2074	2079	rVB6	21512	38126	3.17%	0.470%
54	14.688	2093	2097	2101	rBV6	7146	13230	1.10%	0.163%
55	14.810	2110	2117	2121	rBV4	18726	43992	3.66%	0.542%
56	15.060	2154	2158	2166	rBV10	10020	20281	1.69%	0.250%
57	15.176	2172	2177	2184	rVB5	9930	22080	1.84%	0.272%
58	15.365	2203	2208	2214	rVB	40637	70365	5.85%	0.867%
59	15.438	2214	2220	2223	rBV5	7102	12840	1.07%	0.158%
60	16.639	2411	2417	2423	rBV5	7896	20437	1.70%	0.252%
61	16.706	2423	2428	2438	rVB5	12521	30673	2.55%	0.378%

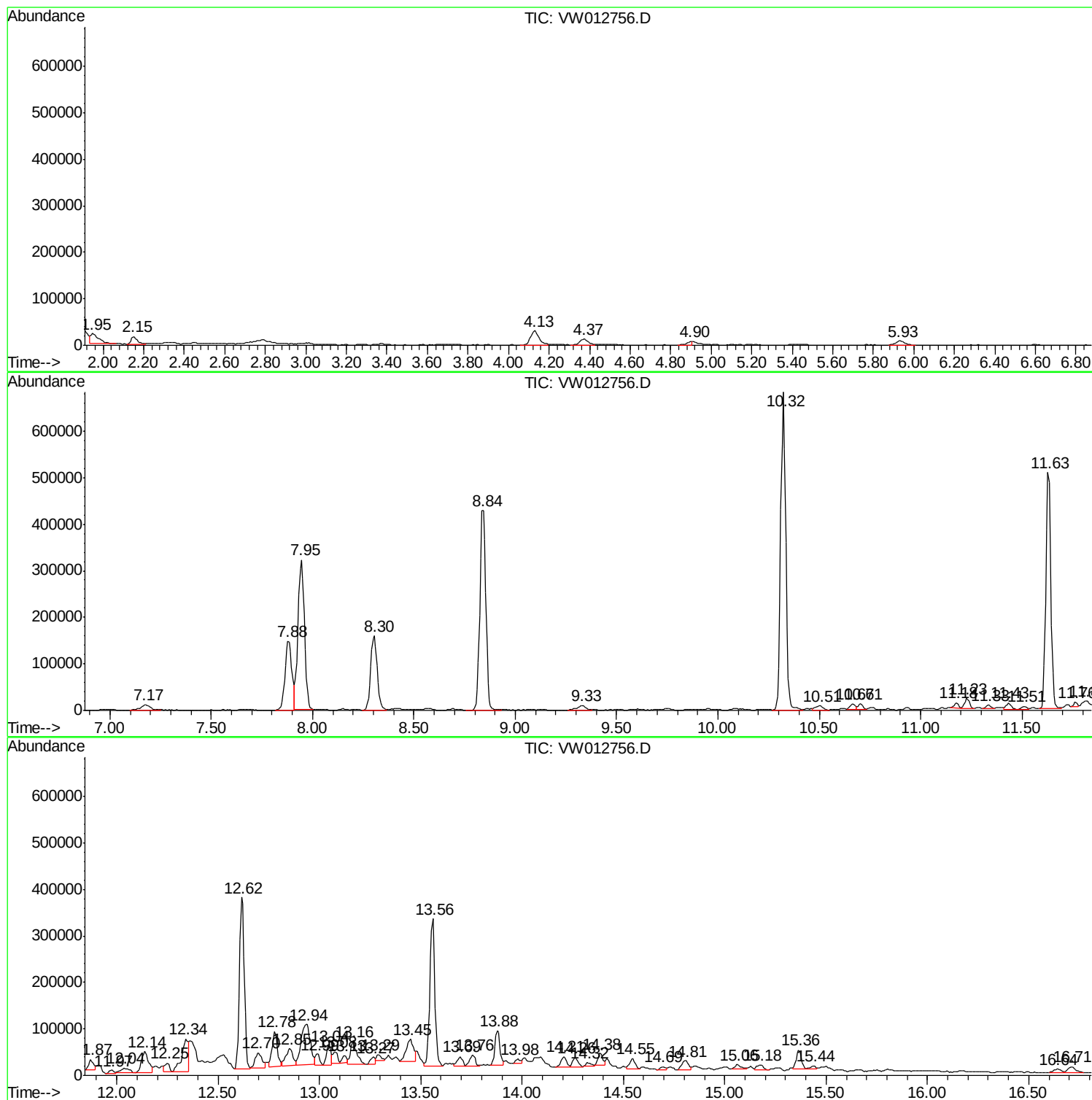
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Quant Title : SW846 8260

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



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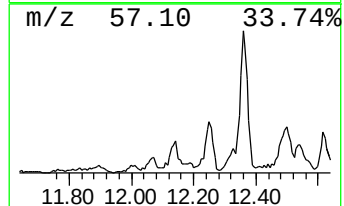
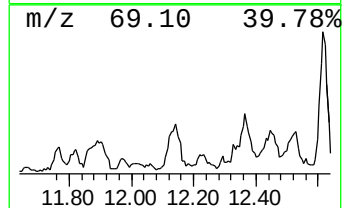
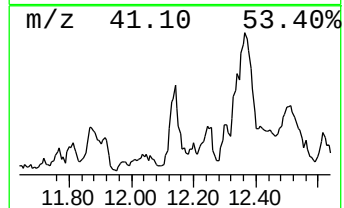
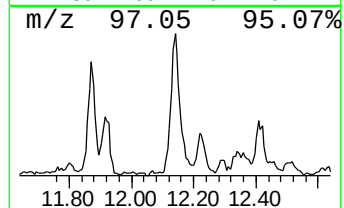
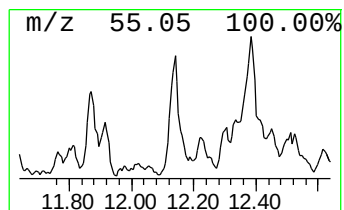
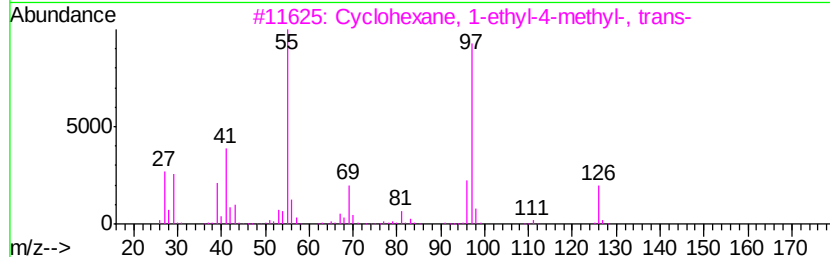
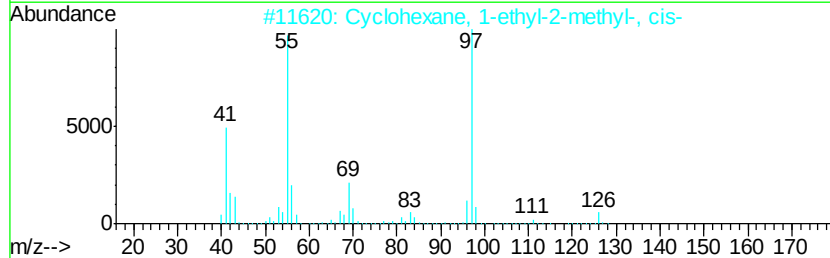
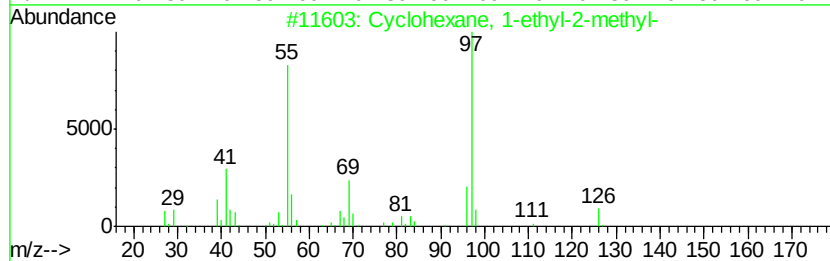
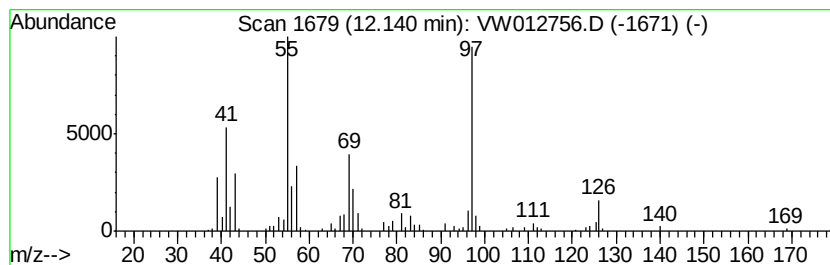
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.58 ug/l	114767	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	76
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	64
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	58
4		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58



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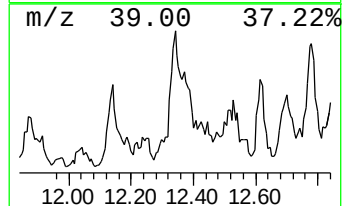
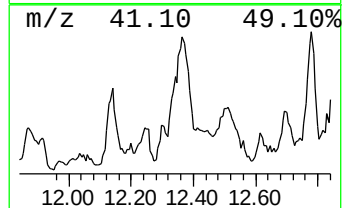
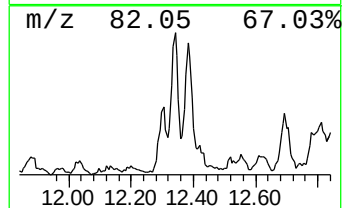
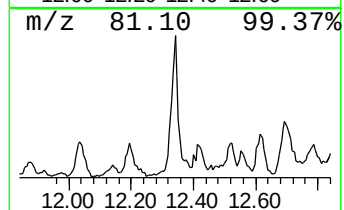
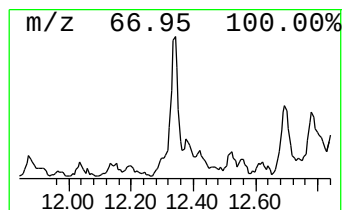
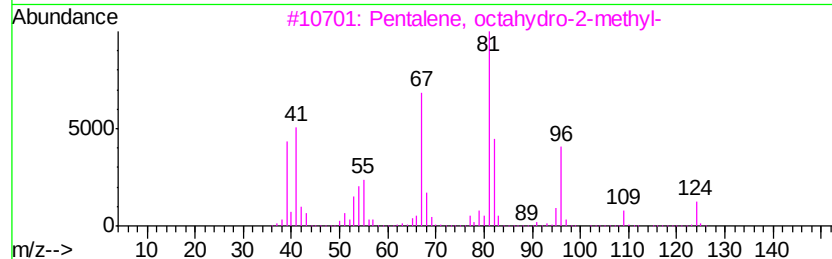
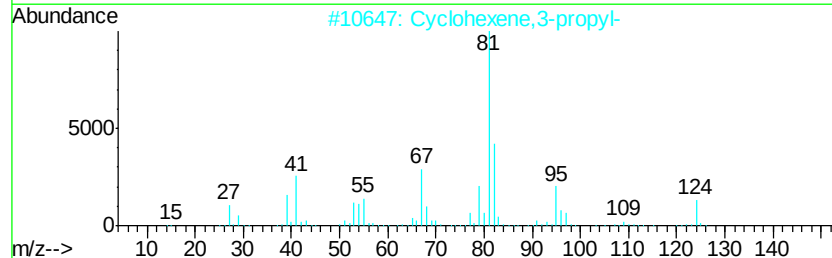
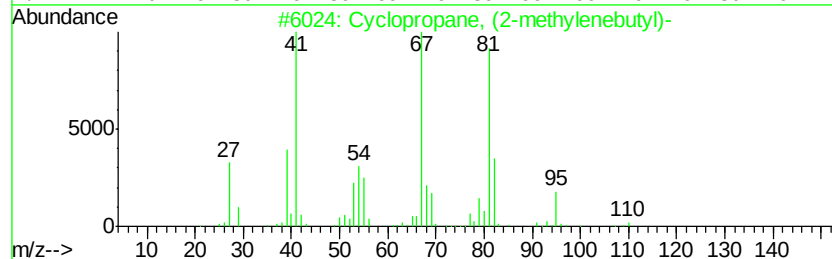
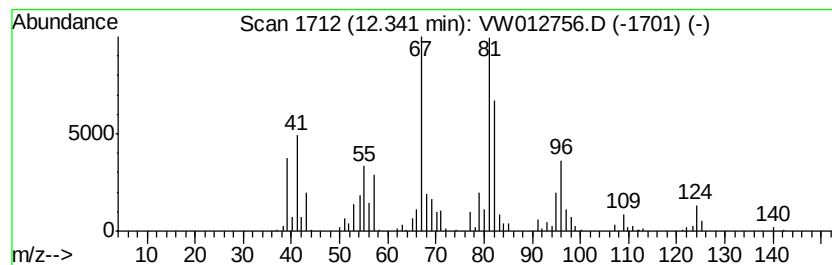
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclopropane, (2-methyleneb... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.34	9.26 ug/l	161340	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, (2-methylenebutyl)-	110	C8H14	074685-56-6	68
2	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	58
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	53
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
5	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	47



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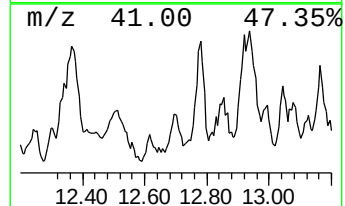
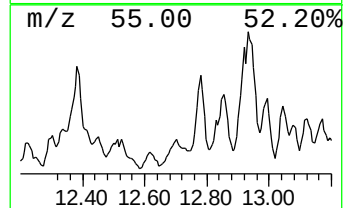
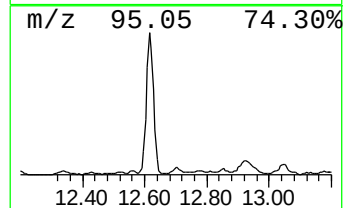
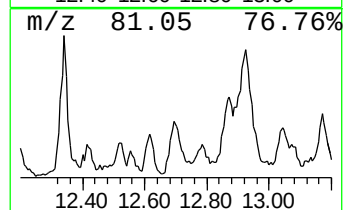
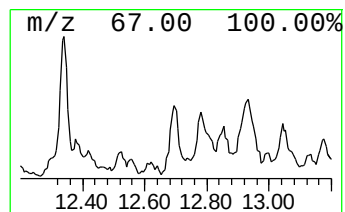
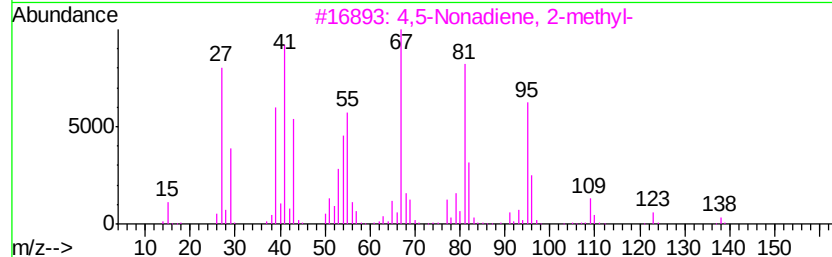
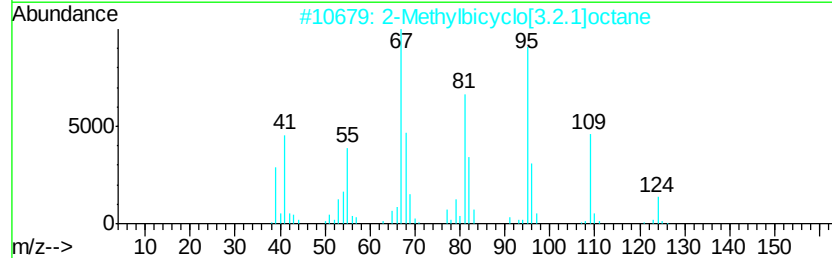
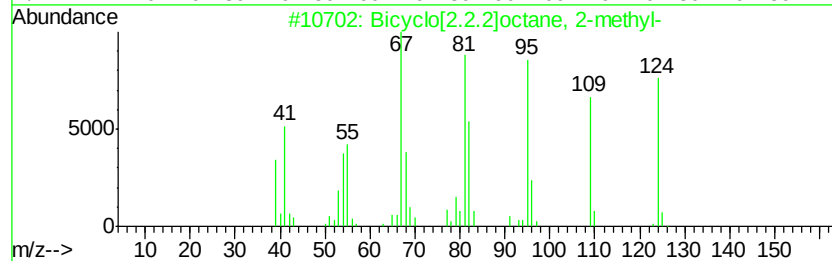
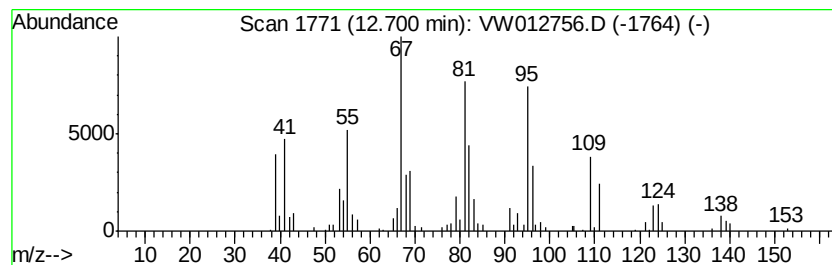
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Bicyclo[2.2.2]octane, 2-met... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	7.50 ug/l	81674	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.2]octane, 2-methyl-	124	C9H16	000766-53-0	87
2		2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	81
3		4,5-Nonadiene, 2-methyl-	138	C10H18	055956-32-6	74
4		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	55
5		9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	55



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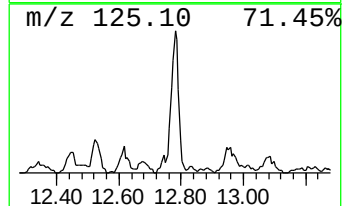
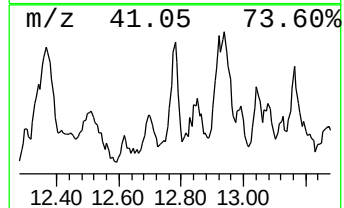
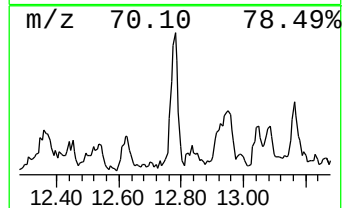
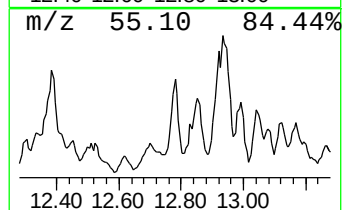
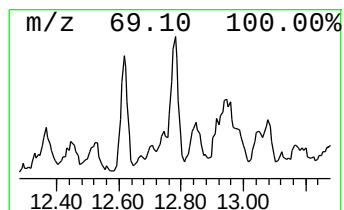
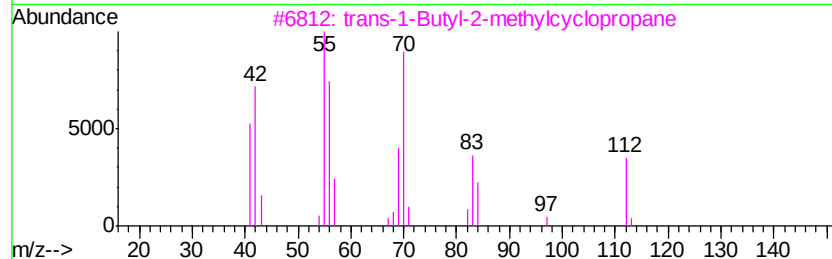
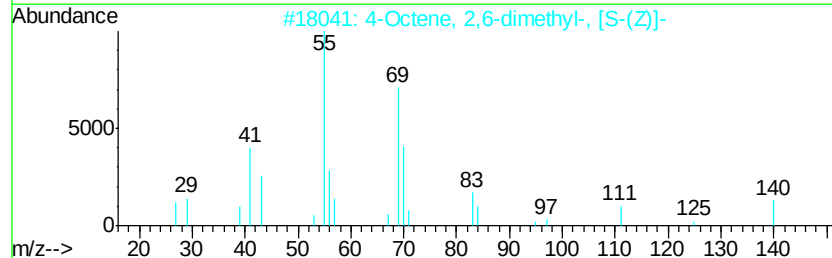
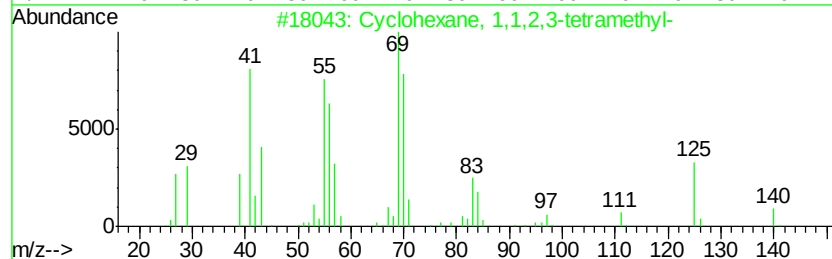
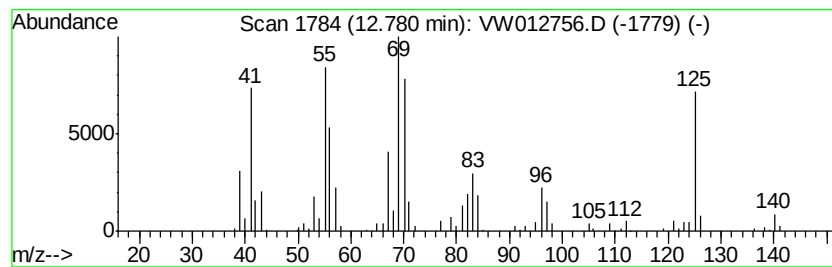
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	12.61 ug/l	137358	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	76
2		4-Octene, 2,6-dimethyl-, [S-(Z)]-	140	C10H20	062960-77-4	52
3		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
4		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	50
5		Cyclopentane, pentyl-	140	C10H20	003741-00-2	49



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ALS Vial : 54 Sample Multiplier: 1

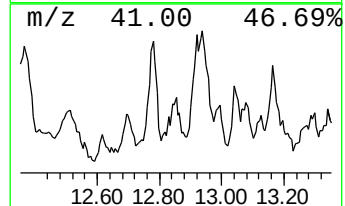
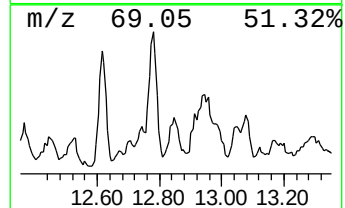
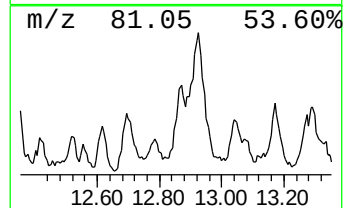
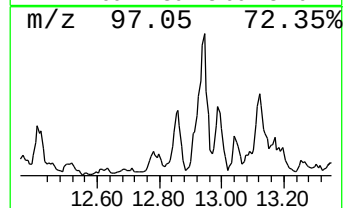
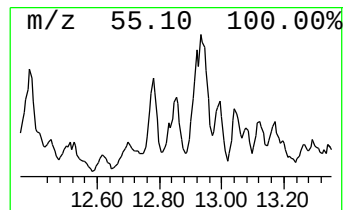
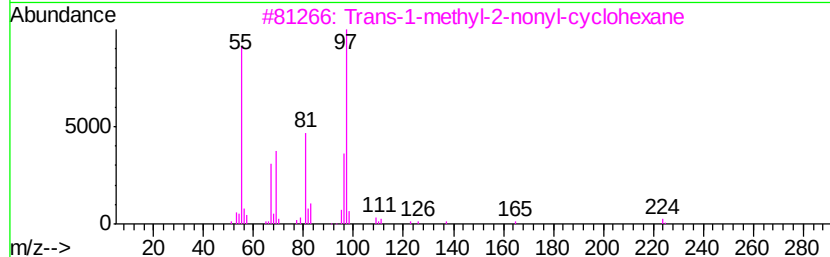
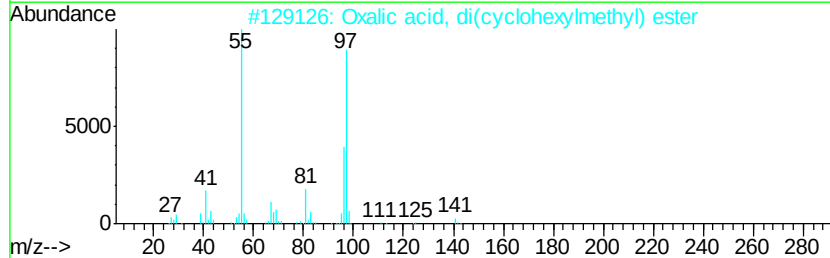
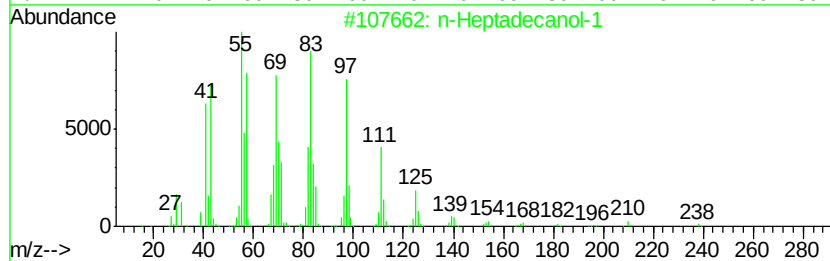
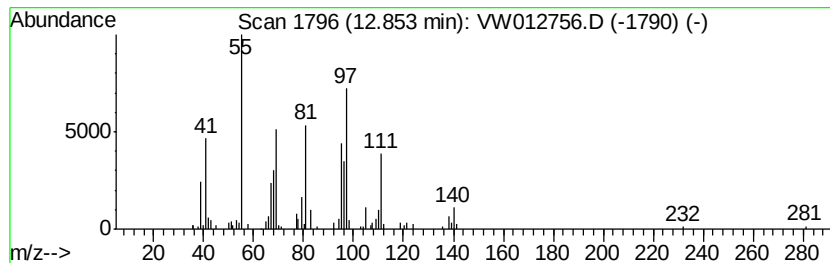
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MSVOA_W
ClientSampleId :
SB-33-9.5-10.0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

Peak Number 5 unknown12.85 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.85	8.35 ug/l	90910	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Heptadecanol-1	256	C17H36O	001454-85-9	38
2	Oxalic acid, di(cyclohexylmethyl)...	282	C16H26O4	1000309-68-5	35
3	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	35
4	Cyclopentane, 1,1'-ethylidenebis-	166	C12H22	004413-21-2	35
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012756.D
Acq On : 08 Sep 2019 08:50
Operator : SY/VA
Sample : K4636-13
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 54 Sample Multiplier: 1

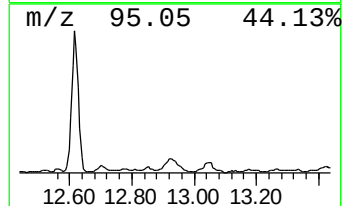
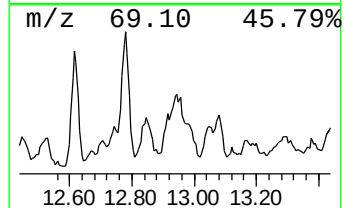
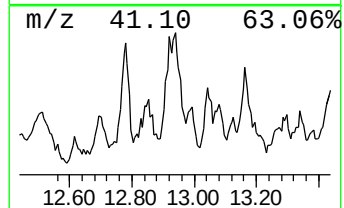
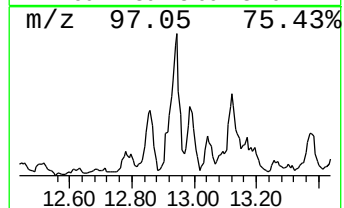
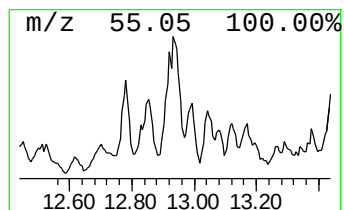
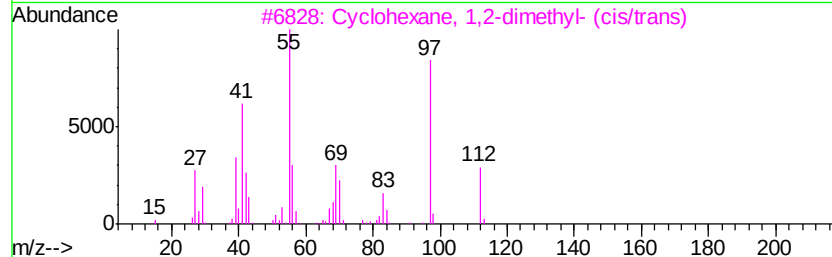
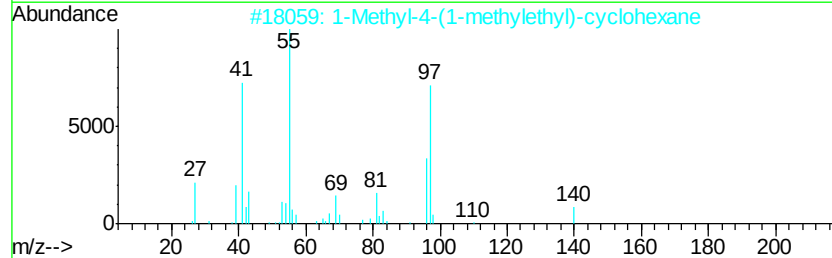
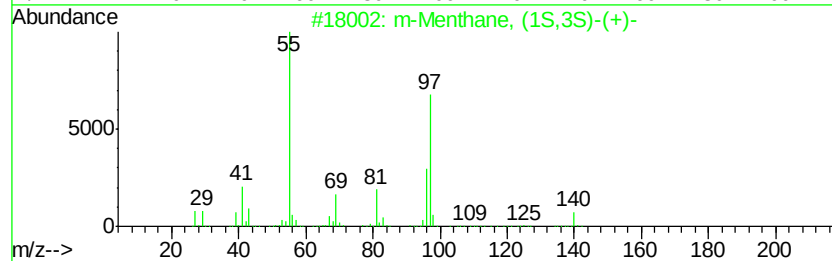
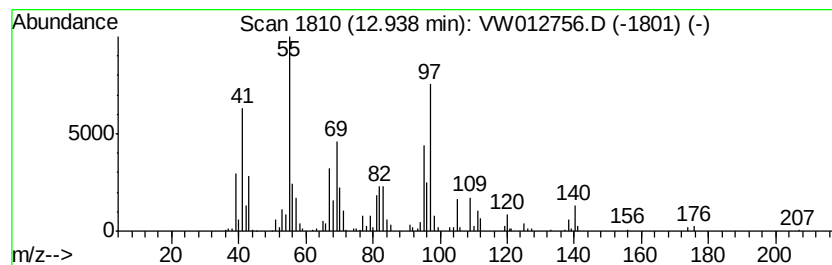
Instrument :
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ClientSampleId :
SB-33-9.5-10.0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

Peak Number 6 unknown12.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	25.31 ug/l	275577	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	m-Menthane, (1S,3S)-(+)-	140 C10H20	013837-67-7	43
2	1-Methyl-4-(1-methylethyl)-cyclo...	140 C10H20	000099-82-1	43
3	Cyclohexane, 1,2-dimethyl- (cis/...	112 C8H16	000583-57-3	38
4	Ethanone, 1-(1-methylcyclohexyl)-	140 C9H16O	002890-62-2	38
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112 C6H12N2	100463-01-2	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012756.D
Acq On : 08 Sep 2019 08:50
Operator : SY/VA
Sample : K4636-13
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-33-9.5-10.0

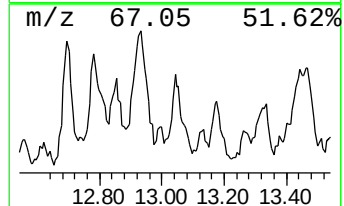
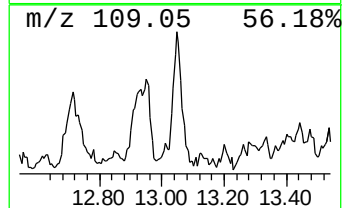
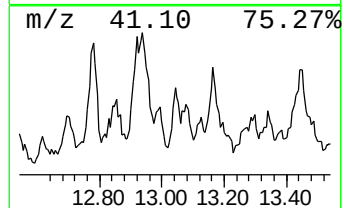
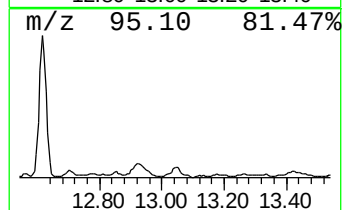
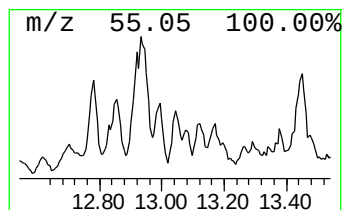
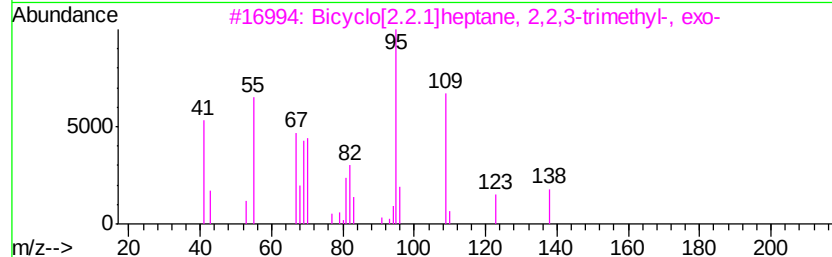
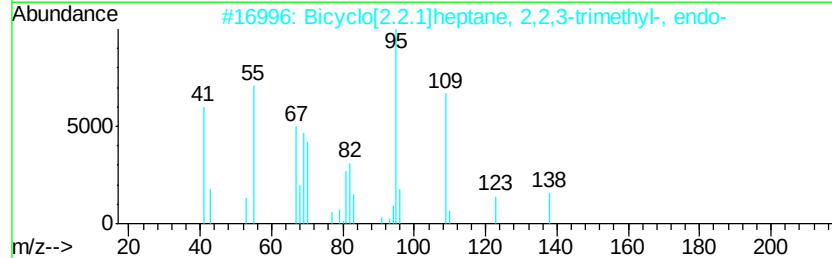
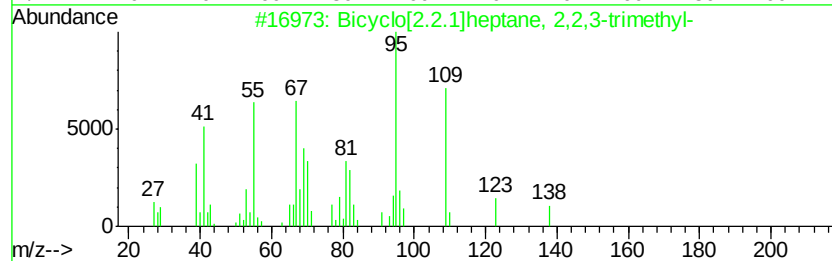
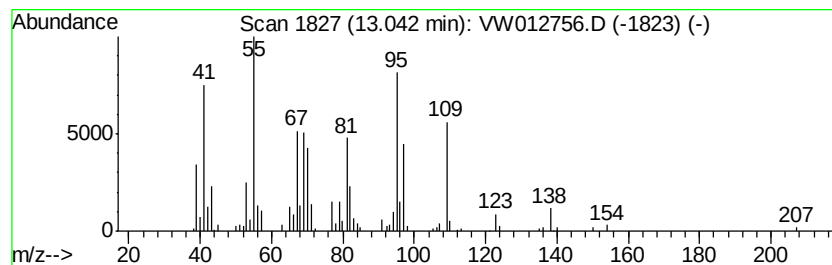
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Quant Title : SW846 8260

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

Peak Number 7 Bicyclo[2.2.1]heptane, 2,2,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	6.08 ug/l	66180	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	95
2		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	90
3		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	74
4		4-Ethyl-2-hexynal	124	C8H12O	071932-97-3	70
5		Cyclopentane, (3-methylbutylidene)-	138	C10H18	053366-51-1	55



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012756.D
Acq On : 08 Sep 2019 08:50
Operator : SY/VA
Sample : K4636-13
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
SB-33-9.5-10.0

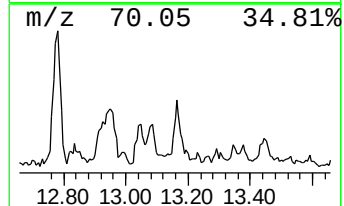
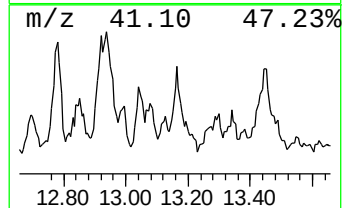
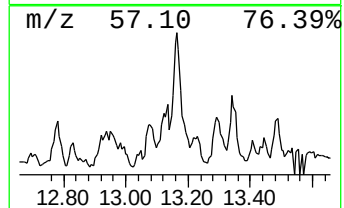
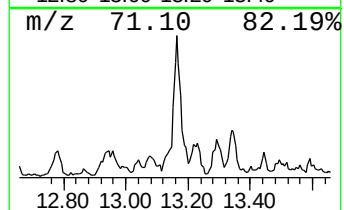
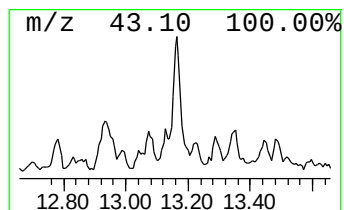
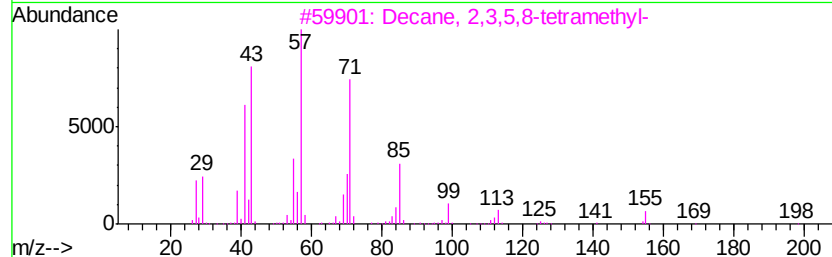
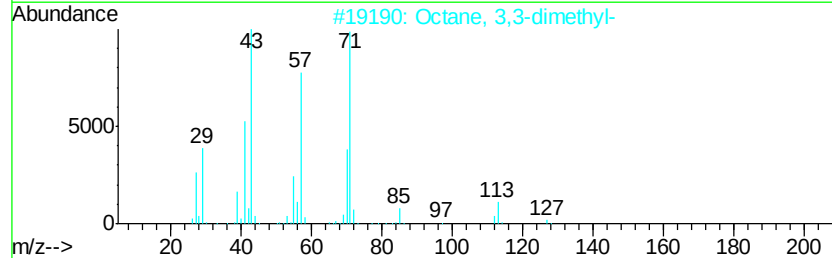
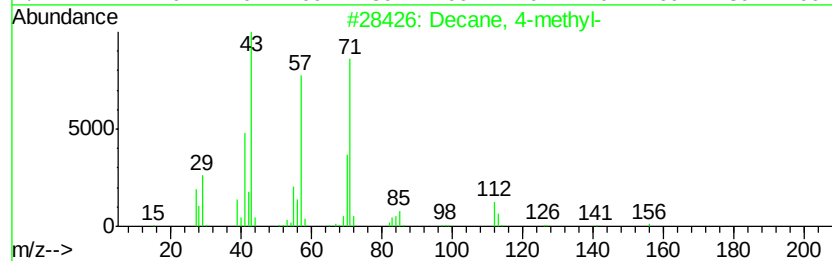
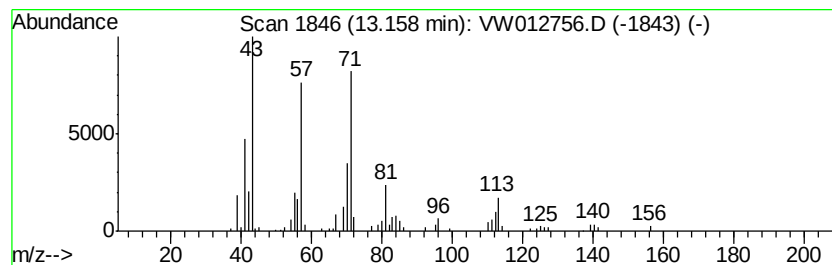
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

Peak Number 8 Decane, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	9.59 ug/l	104434	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 4-methyl-	156	C11H24	002847-72-5	64
2		Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	59
3		Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	53
4		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	50
5		Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012756.D
Acq On : 08 Sep 2019 08:50
Operator : SY/VA
Sample : K4636-13
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 54 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-33-9.5-10.0

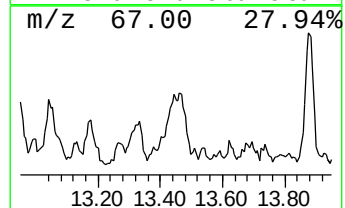
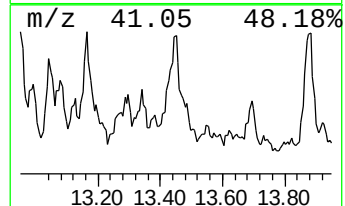
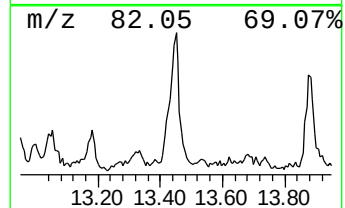
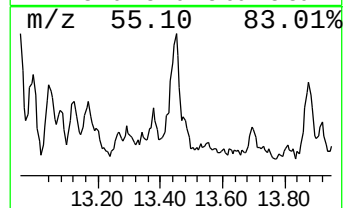
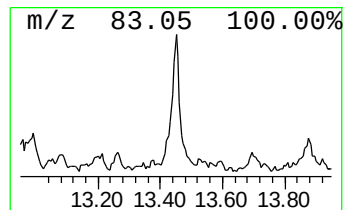
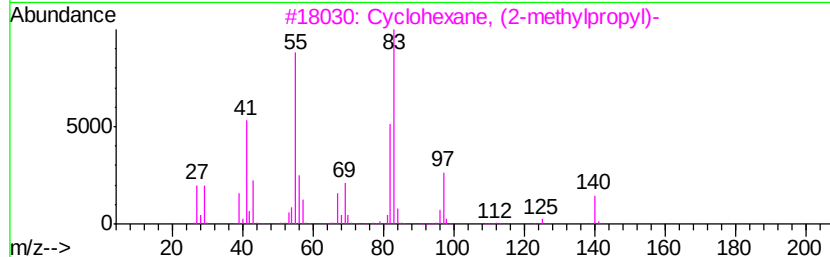
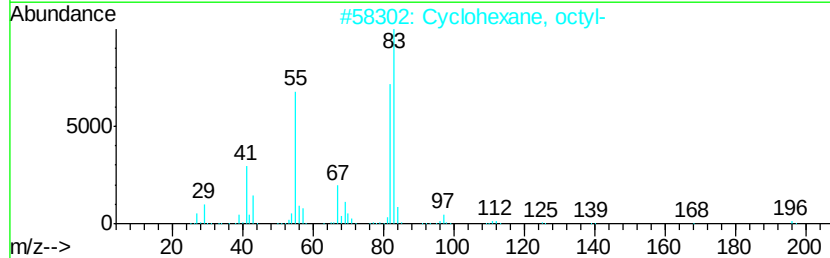
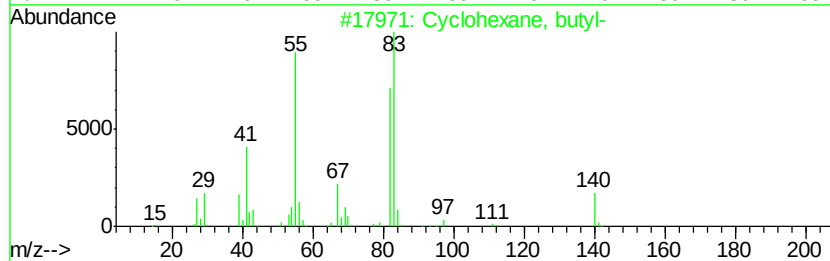
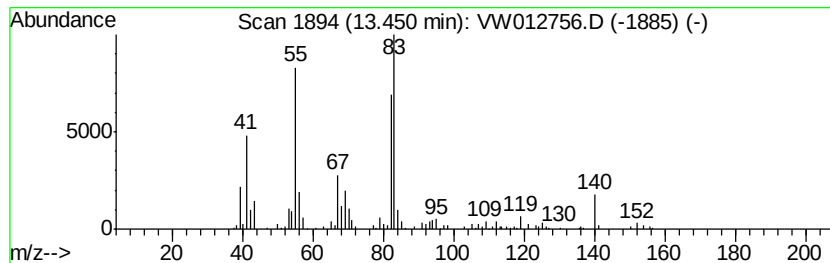
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	11.23 ug/l	122310	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	78
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72
4		Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090719\
Data File : VW012756.D
Acq On : 08 Sep 2019 08:50
Operator : SY/VA
Sample : K4636-13
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 54 Sample Multiplier: 1

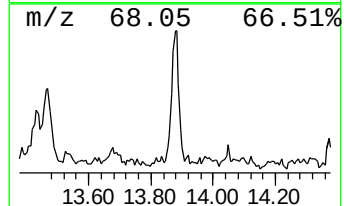
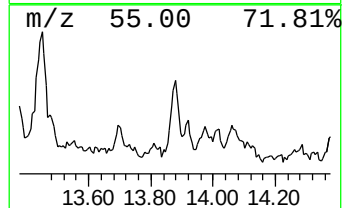
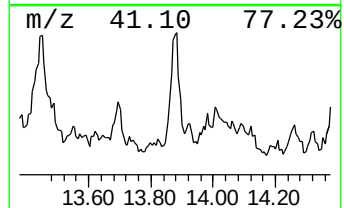
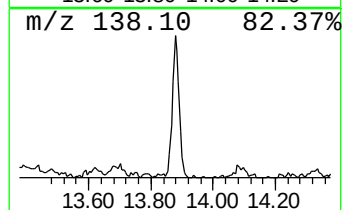
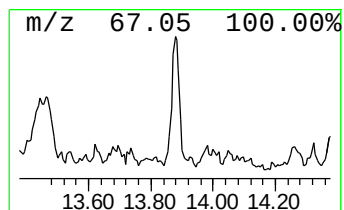
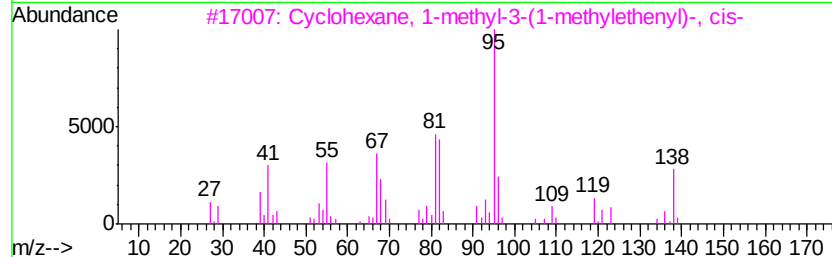
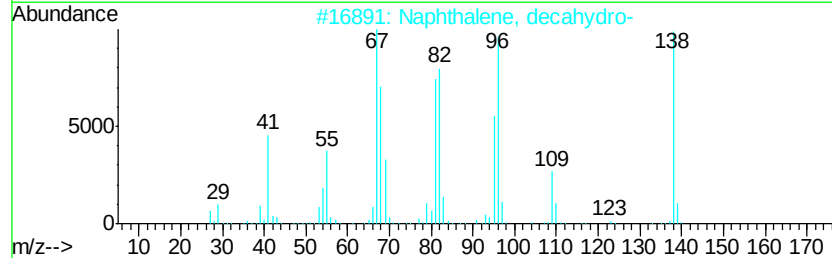
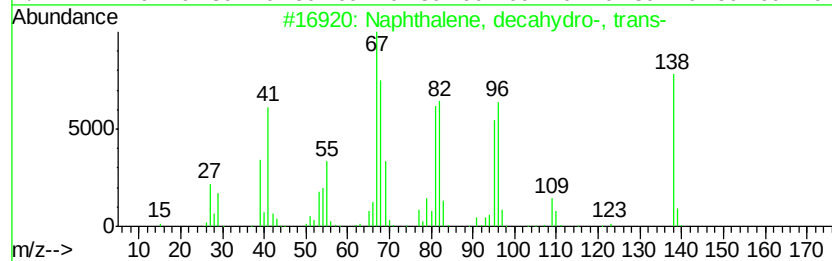
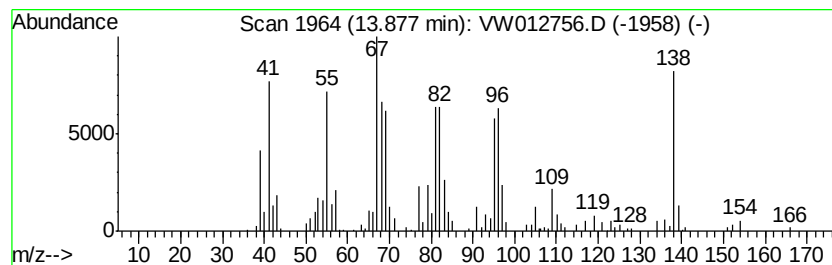
Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.88	12.31 ug/l	134028	1,4-Dichlorobenzene-d4	13.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	94
3	Cyclohexane, 1-methyl-3-(1-methyl...	138	C10H18	024399-15-3	81
4	Spiro[4.5]decane	138	C10H18	000176-63-6	81
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW090719\
Data File : VW012756.D
Acq On : 08 Sep 2019 08:50
Operator : SY/VA
Sample : K4636-13
Misc : 5.10G/5ML/MSVOA_W/SOIL
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-33-9.5-10.0

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.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
Cyclohexane, 1-et...	12.14	6.6	ug/l	114767	3	11.63	871622	50.0
Cyclopropane, (2-...	12.34	9.3	ug/l	161340	3	11.63	871622	50.0
Bicyclo[2.2.2]oct...	12.70	7.5	ug/l	81674	4	13.56	544435	50.0
Cyclohexane, 1,1,...	12.78	12.6	ug/l	137358	4	13.56	544435	50.0
unknown12.85	12.85	8.3	ug/l	90910	4	13.56	544435	50.0
unknown12.94	12.94	25.3	ug/l	275577	4	13.56	544435	50.0
Bicyclo[2.2.1]hep...	13.04	6.1	ug/l	66180	4	13.56	544435	50.0
Decane, 4-methyl-	13.16	9.6	ug/l	104434	4	13.56	544435	50.0
Cyclohexane, butyl-	13.45	11.2	ug/l	122310	4	13.56	544435	50.0
Naphthalene, deca...	13.88	12.3	ug/l	134028	4	13.56	544435	50.0