

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
 Data File : VW010640.D
 Acq On : 31 May 2019 16:51
 Operator : SY/VA
 Sample : K3097-17
 Misc : 5.03G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 0437-HR-17(HACKENSACK)

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\82W052019S.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	1.959	4	9	21	rVB2	14487	31216	3.49%	0.311%
2	2.324	64	69	71	rBV2	6408	9822	1.10%	0.098%
3	2.623	114	118	124	rBV3	5445	10419	1.17%	0.104%
4	3.379	235	242	253	rVB2	5161	12553	1.40%	0.125%
5	4.123	355	364	374	rBV	18164	51004	5.71%	0.508%
6	4.391	397	408	421	rBV2	12955	39582	4.43%	0.394%
7	4.922	485	495	499	rBV4	2844	9721	1.09%	0.097%
8	5.940	653	662	671	rBV4	5291	16487	1.84%	0.164%
9	7.141	848	859	881	rBV	52600	161255	18.04%	1.605%
10	7.884	969	981	986	rBV2	112436	271200	30.34%	2.700%
11	7.945	986	991	1001	rVB	204067	459533	51.41%	4.575%
12	8.256	1031	1042	1048	rBV	275205	737332	82.49%	7.340%
13	8.842	1130	1138	1148	rBV	312096	609702	68.22%	6.070%
14	9.073	1166	1176	1182	rBV3	3923	9196	1.03%	0.092%
15	9.335	1208	1219	1224	rBV4	10407	25973	2.91%	0.259%
16	9.756	1281	1288	1295	rVB3	10546	21076	2.36%	0.210%
17	9.890	1300	1310	1317	rBV	18596	39543	4.42%	0.394%
18	10.091	1333	1343	1347	rBV5	4295	10476	1.17%	0.104%
19	10.250	1365	1369	1374	rVV2	9954	17807	1.99%	0.177%
20	10.323	1374	1381	1388	rVV	500863	893794	100.00%	8.898%
21	10.390	1388	1392	1399	rVB	18318	33192	3.71%	0.330%
22	10.506	1404	1411	1419	rVB6	6112	15328	1.71%	0.153%
23	10.664	1432	1437	1440	rVV2	11423	20418	2.28%	0.203%
24	10.707	1440	1444	1449	rVV	22651	38753	4.34%	0.386%
25	10.768	1449	1454	1459	rVV6	8389	17478	1.96%	0.174%
26	10.847	1462	1467	1472	rVB3	6127	10310	1.15%	0.103%
27	10.933	1473	1481	1487	rBV2	7214	13564	1.52%	0.135%
28	11.067	1493	1503	1507	rBV2	14967	29723	3.33%	0.296%
29	11.177	1513	1521	1525	rVV	17336	33950	3.80%	0.338%
30	11.231	1525	1530	1535	rVV	24588	42860	4.80%	0.427%
31	11.335	1543	1547	1552	rBV3	8743	14392	1.61%	0.143%
32	11.439	1559	1564	1571	rVB3	31301	55583	6.22%	0.553%
33	11.512	1571	1576	1579	rBV3	5047	9044	1.01%	0.090%
34	11.634	1587	1596	1604	rBV	416883	738104	82.58%	7.348%

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Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
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35	11.695	1604	1606	1614	rVB3	8098	15739	1.76%	0.157%
36	11.768	1614	1618	1621	rBV2	8199	11684	1.31%	0.116%
37	11.823	1621	1627	1631	rBV5	10845	20865	2.33%	0.208%
38	11.878	1631	1636	1647	rVB4	43016	100750	11.27%	1.003%
39	11.975	1647	1652	1655	rBV3	8496	15735	1.76%	0.157%
40	12.030	1655	1661	1664	rBV6	4295	9336	1.04%	0.093%
41	12.073	1664	1668	1671	rVB3	10704	15517	1.74%	0.154%
42	12.140	1671	1679	1690	rBV4	36737	103819	11.62%	1.034%
43	12.249	1690	1697	1702	rVB2	35004	80818	9.04%	0.805%
44	12.365	1702	1716	1723	rBV3	79689	255944	28.64%	2.548%
45	12.457	1727	1731	1734	rBV3	13067	20084	2.25%	0.200%
46	12.499	1736	1738	1747	rVB6	24624	53738	6.01%	0.535%
47	12.621	1747	1758	1764	rVB3	384722	892891	99.90%	8.889%
48	12.701	1764	1771	1775	rBV5	39851	105595	11.81%	1.051%
49	12.756	1775	1780	1781	rBV3	52556	69952	7.83%	0.696%
50	12.865	1791	1798	1803	rBV7	43165	113529	12.70%	1.130%
51	12.957	1804	1813	1825	rVV7	84765	359373	40.21%	3.578%
52	13.079	1830	1833	1837	rVV3	39762	64003	7.16%	0.637%
53	13.127	1837	1841	1844	rVV2	38020	64559	7.22%	0.643%
54	13.170	1844	1848	1849	rVV2	66994	89981	10.07%	0.896%
55	13.194	1849	1852	1860	rVB2	109525	191387	21.41%	1.905%
56	13.268	1860	1864	1865	rBV3	15379	18966	2.12%	0.189%
57	13.298	1865	1869	1874	rVV2	47126	73322	8.20%	0.730%
58	13.414	1880	1888	1892	rBV	157298	314227	35.16%	3.128%
59	13.481	1897	1899	1903	rVV3	30340	42124	4.71%	0.419%
60	13.560	1907	1912	1916	rVV	411850	671270	75.10%	6.682%
61	13.603	1916	1919	1929	rVB	127036	280809	31.42%	2.795%
62	13.700	1929	1935	1939	rBV4	38001	71229	7.97%	0.709%
63	13.768	1939	1946	1952	rBV5	46009	100078	11.20%	0.996%
64	13.877	1960	1964	1969	rBV2	81773	136899	15.32%	1.363%
65	13.987	1979	1982	1985	rBV4	18485	27496	3.08%	0.274%
66	14.078	1993	1997	2002	rBV4	39113	67333	7.53%	0.670%
67	14.133	2003	2006	2013	rVB2	74473	133173	14.90%	1.326%
68	14.200	2013	2017	2021	rBV4	21498	35557	3.98%	0.354%
69	14.267	2024	2028	2034	rVB6	35302	66877	7.48%	0.666%
70	14.322	2035	2037	2042	rVB6	15136	19692	2.20%	0.196%
71	14.389	2043	2048	2052	rBV2	76250	130577	14.61%	1.300%

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Integration Parameters: RTEINT.P

Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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72	14.505	2062	2067	2072	rBV4	67267	147503	16.50%	1.468%
73	14.554	2072	2075	2079	rVB4	58000	83764	9.37%	0.834%
74	14.743	2103	2106	2110	rBV6	16887	26390	2.95%	0.263%
75	14.804	2112	2116	2120	rBV5	31663	63399	7.09%	0.631%
76	14.975	2141	2144	2147	rBV2	20628	28354	3.17%	0.282%
77	15.334	2198	2203	2209	rBV	70303	124580	13.94%	1.240%
78	15.645	2250	2254	2255	rBV3	10707	17267	1.93%	0.172%
79	15.743	2266	2270	2276	rVB5	29435	56530	6.32%	0.563%
80	16.298	2356	2361	2368	rVB	43155	84086	9.41%	0.837%
81	16.639	2412	2417	2423	rBV8	16366	36229	4.05%	0.361%
82	16.761	2433	2437	2441	rBV7	10908	21844	2.44%	0.217%

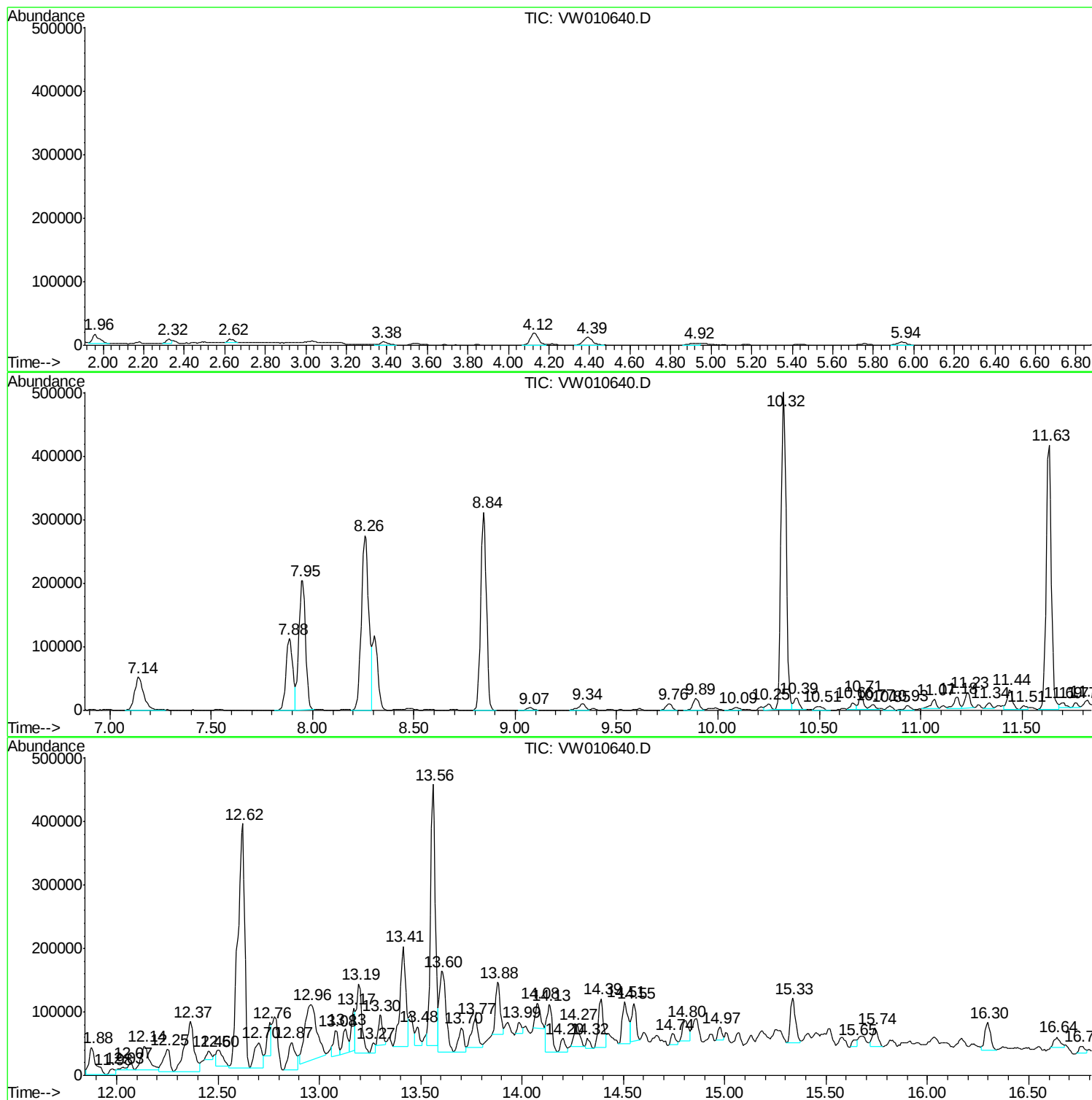
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



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Misc : 5.03G/5ML/MSVOA W/SOIL
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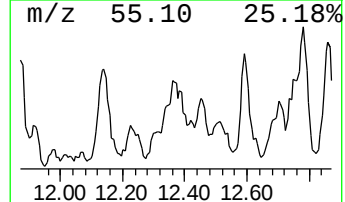
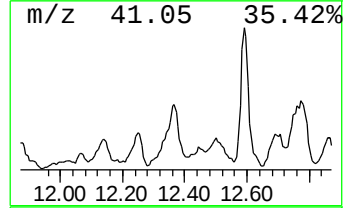
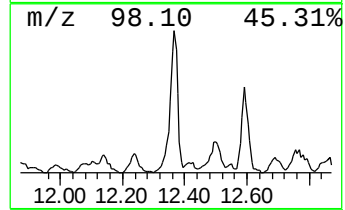
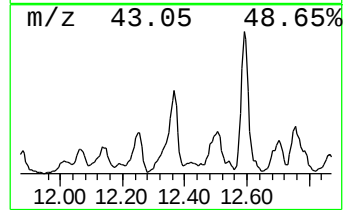
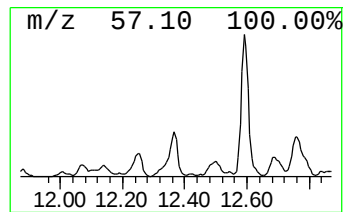
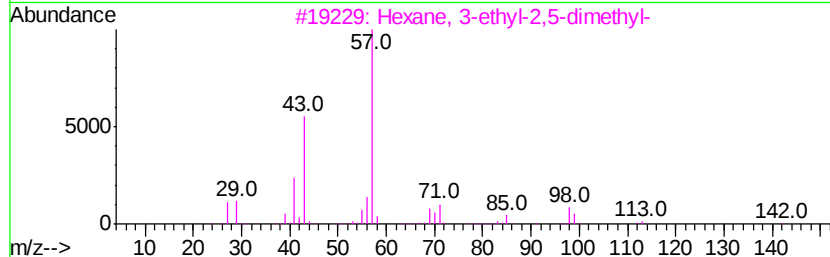
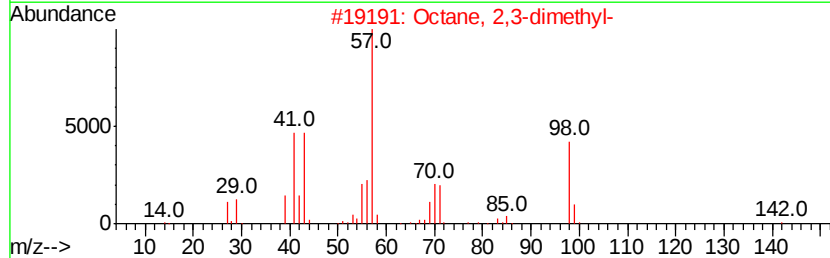
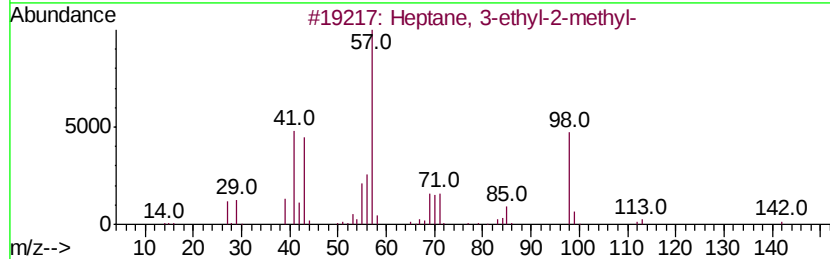
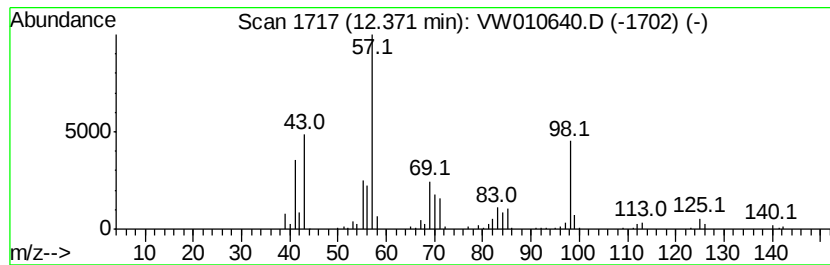
Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 1 Heptane, 3-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.37	17.34 ug/l	255944	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	90
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	68
3	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	59
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	53
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	53



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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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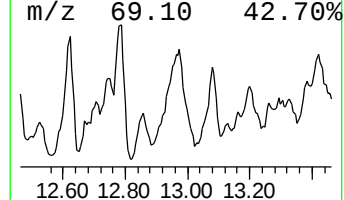
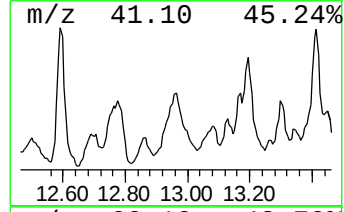
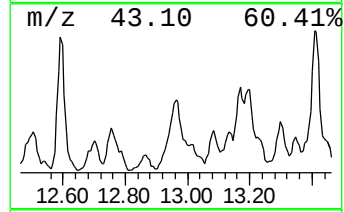
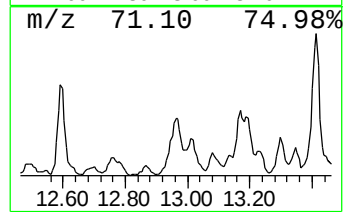
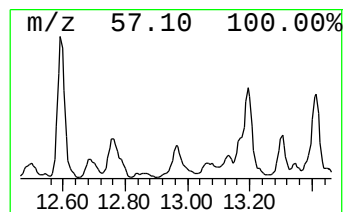
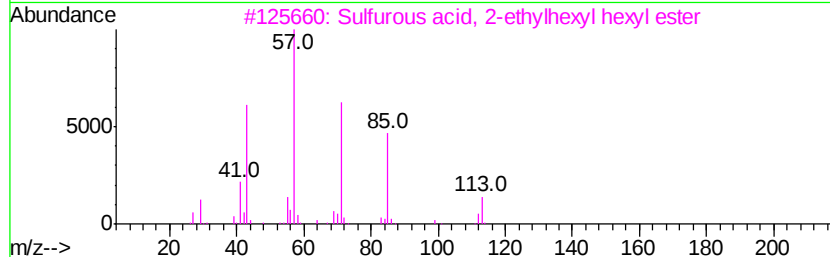
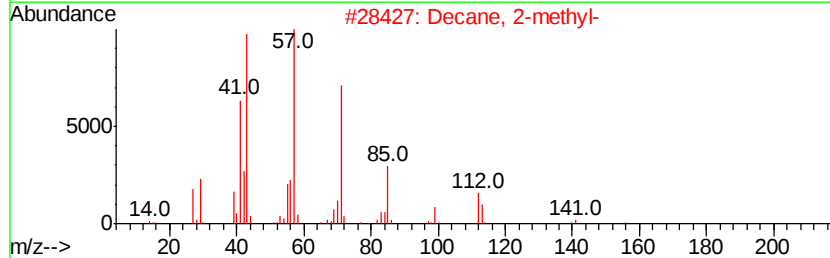
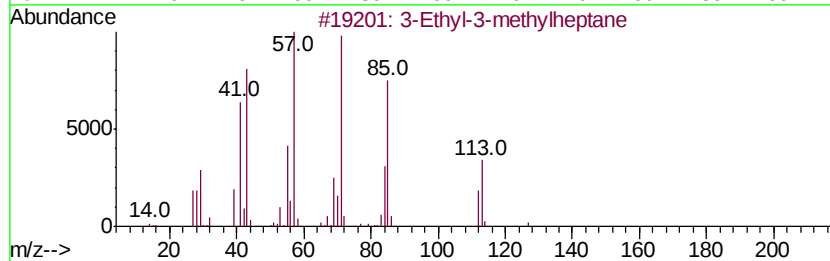
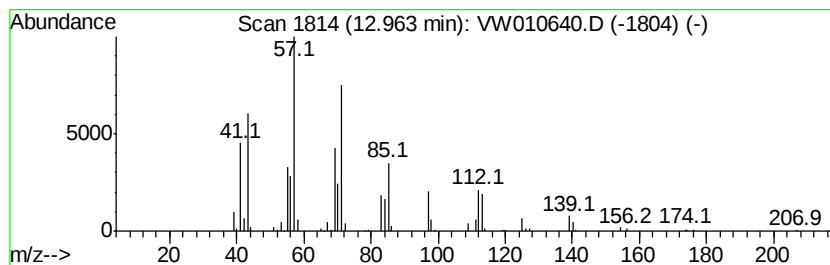
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Quant Title : SW846 8260

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

Peak Number 3 unknown12.96 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	26.77 ug/l	359373	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	49	
2	Decane, 2-methyl-	156	C11H24	006975-98-0	49	
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	43	
4	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	38	
5	Octyl thioglycolate	204	C10H20O2S	007664-80-4	38	



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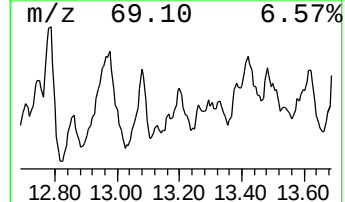
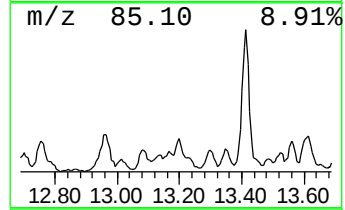
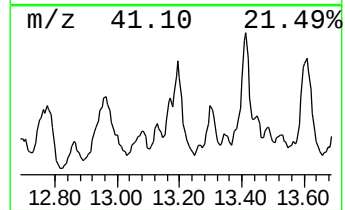
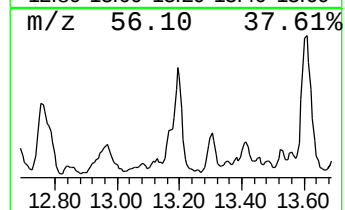
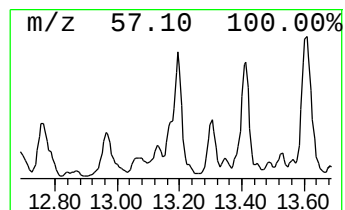
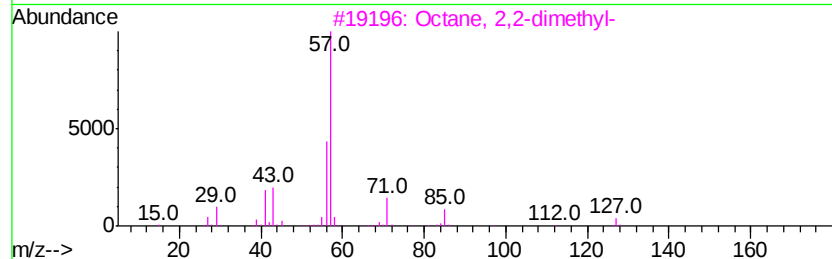
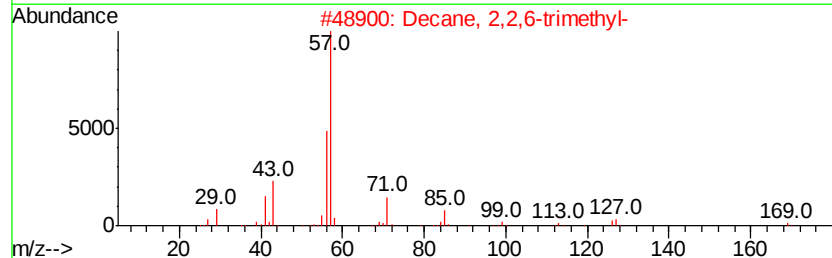
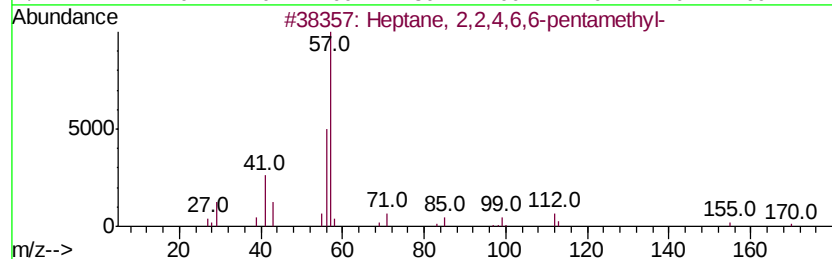
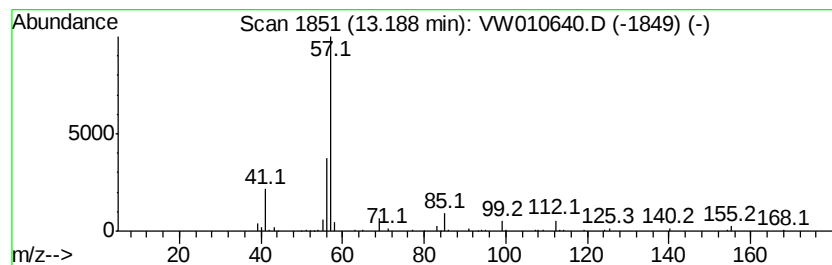
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Quant Title : SW846 8260

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

Peak Number 4 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	14.26 ug/l	191387	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
2		Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2	42
3		Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	42
4		Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	42
5		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	40



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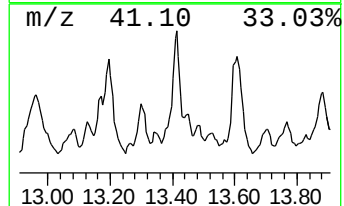
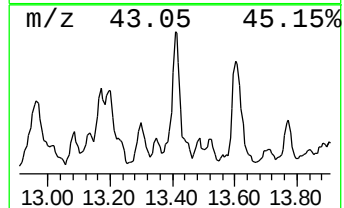
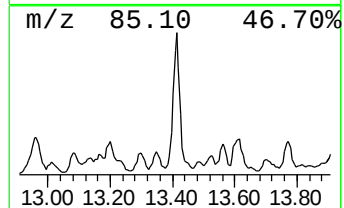
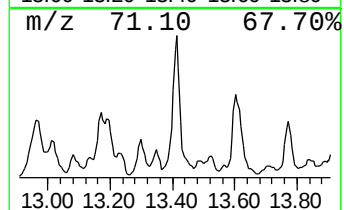
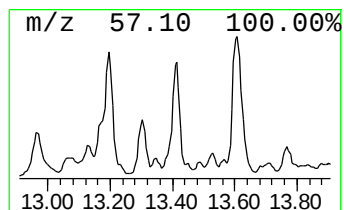
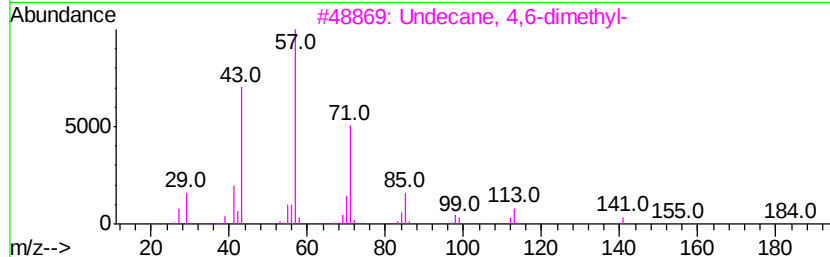
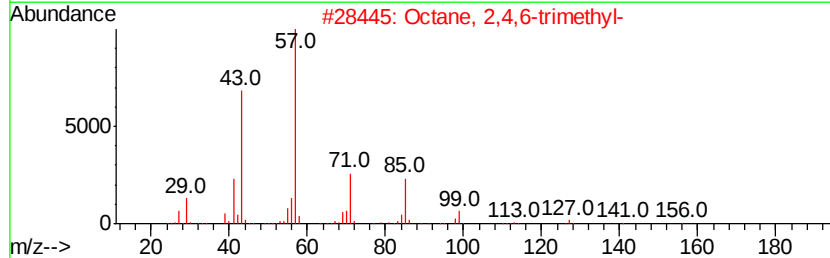
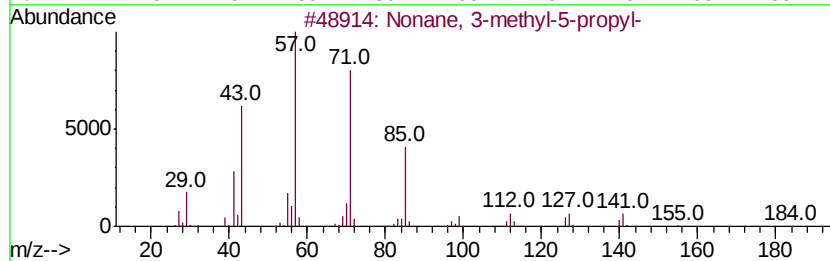
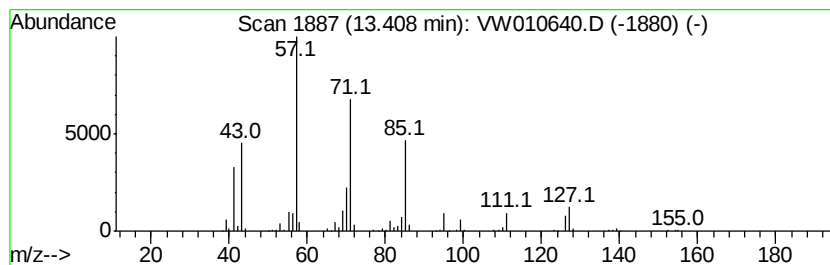
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Quant Title : SW846 8260

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

Peak Number 5 Nonane, 3-methyl-5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	23.41 ug/l	314227	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
2		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
3		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53
5		Sulfurous acid, isohexyl pentyl ...	236	C11H24O3S	1000309-14-0	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010640.D
Acq On : 31 May 2019 16:51
Operator : SY/VA
Sample : K3097-17
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

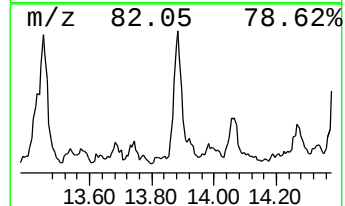
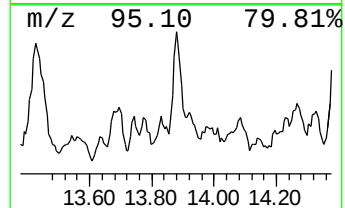
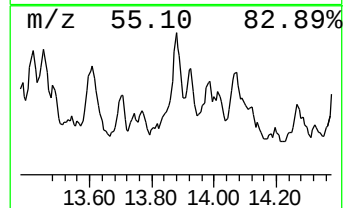
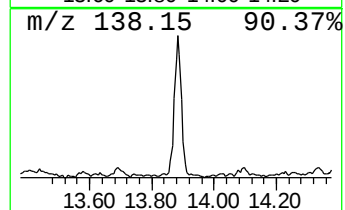
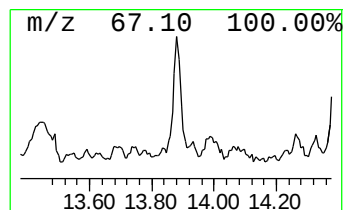
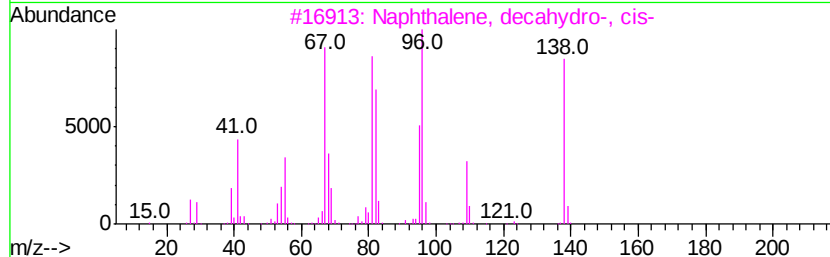
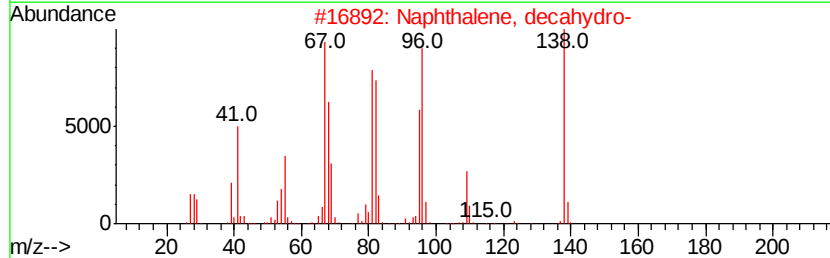
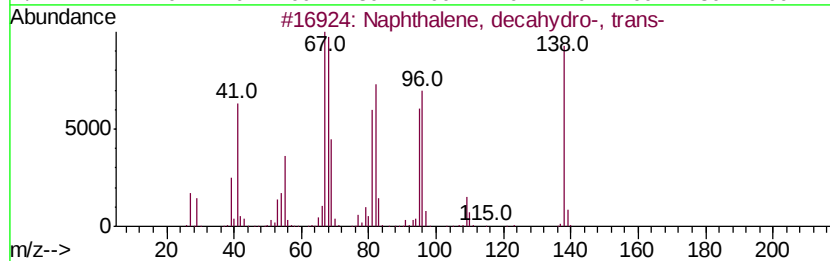
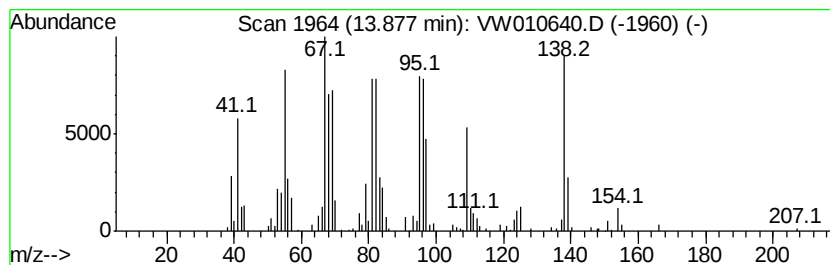
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Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	10.20 ug/l	136899	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	81
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76
4		Spiro[4.5]decane	138	C10H18	000176-63-6	68
5		Cyclodecene	138	C10H18	003618-12-0	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010640.D
Acq On : 31 May 2019 16:51
Operator : SY/VA
Sample : K3097-17
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

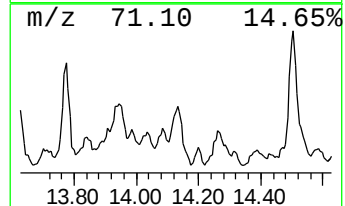
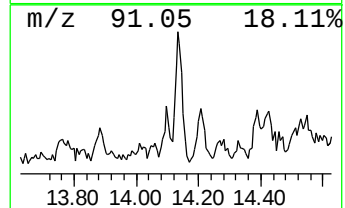
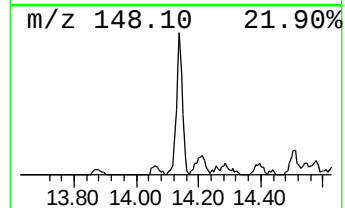
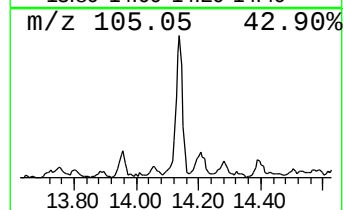
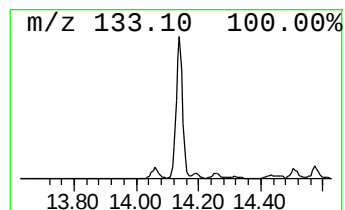
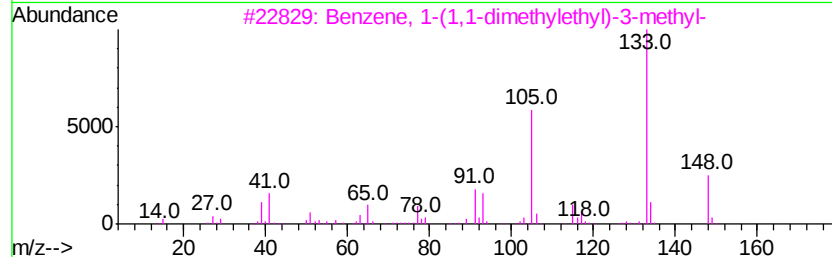
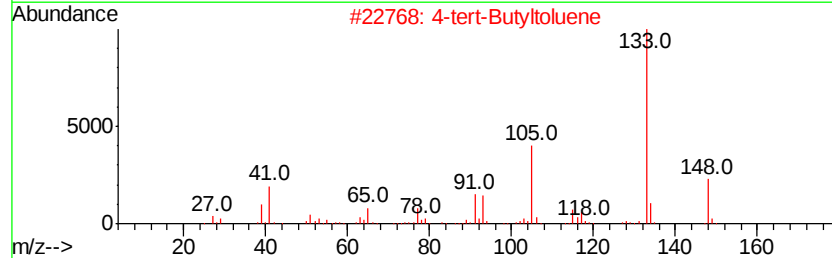
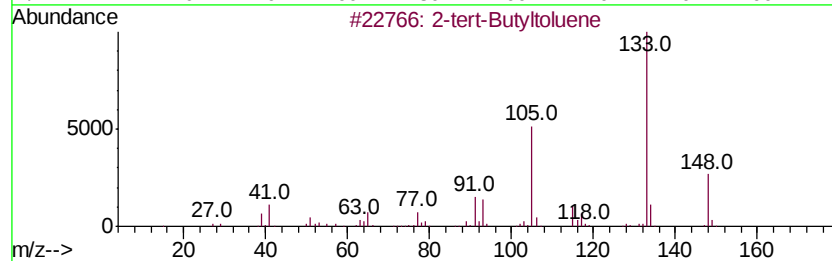
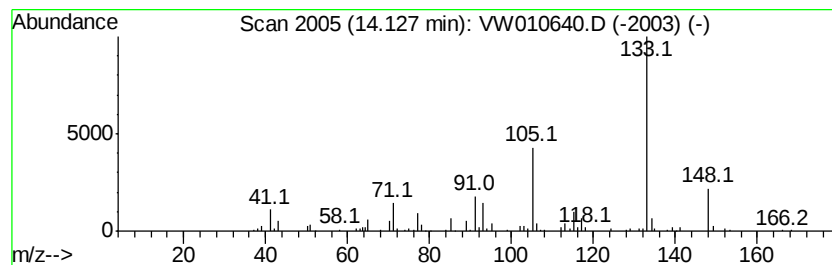
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Quant Title : SW846 8260

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

Peak Number 7 2-tert-Butyltoluene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	9.92 ug/l	133173	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-tert-Butyltoluene	148	C11H16	001074-92-6	95
2		4-tert-Butyltoluene	148	C11H16	000098-51-1	95
3		Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	93
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	90
5		Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	87



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010640.D
Acq On : 31 May 2019 16:51
Operator : SY/VA
Sample : K3097-17
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

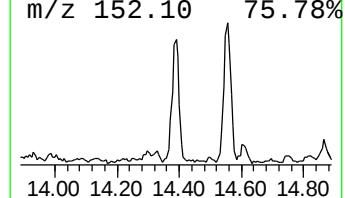
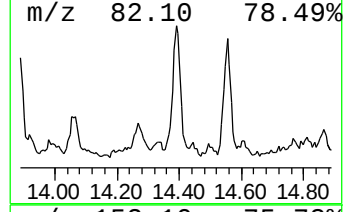
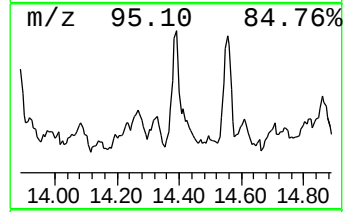
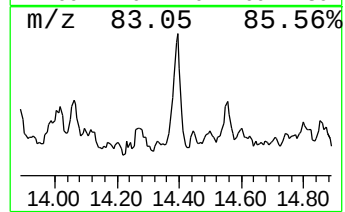
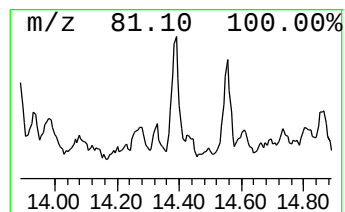
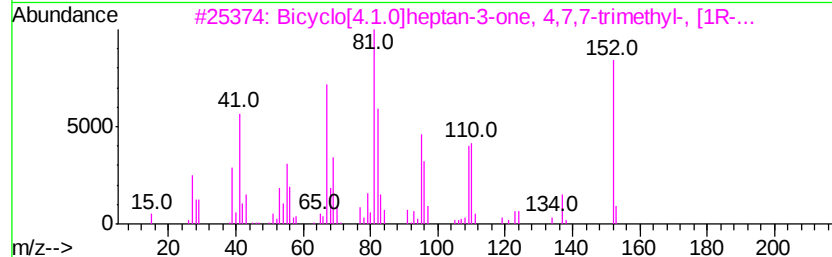
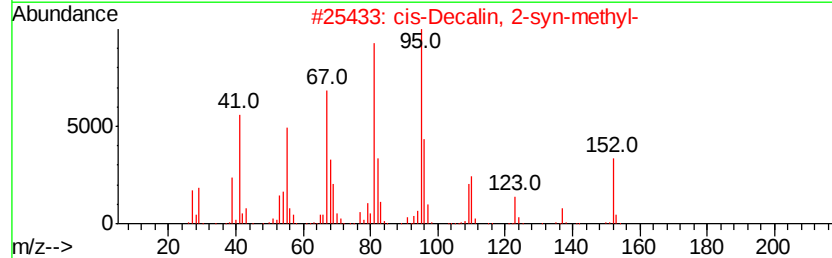
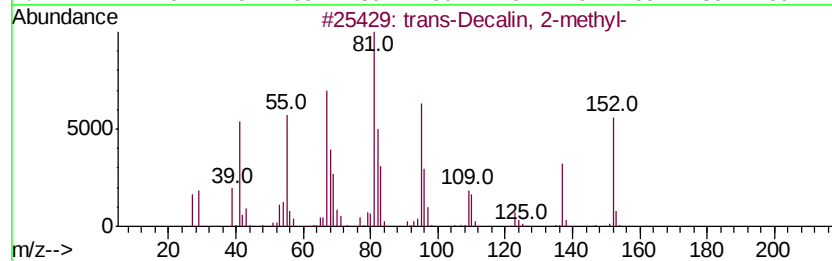
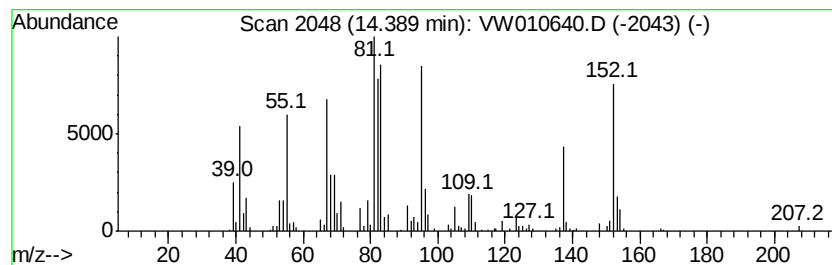
Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 8 trans-Decalin, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	9.73 ug/l	130577	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	89
2	cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6	53
3	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152 C10H16O	004176-04-9	52
4	Decalin, syn-1-methyl-, cis-	152 C11H20	1000158-89-1	49
5	Naphthalene, decahydro-2-methyl-	152 C11H20	002958-76-1	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010640.D
Acq On : 31 May 2019 16:51
Operator : SY/VA
Sample : K3097-17
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

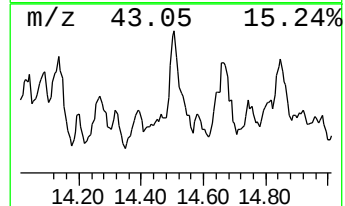
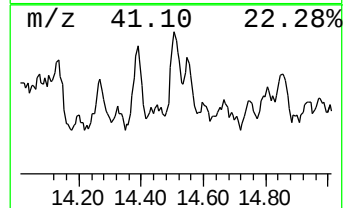
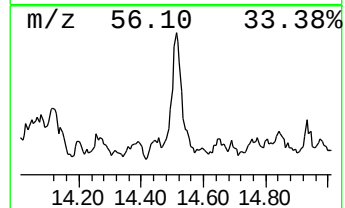
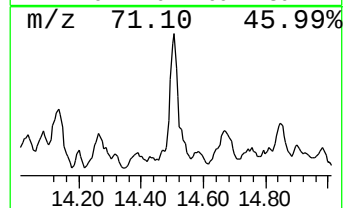
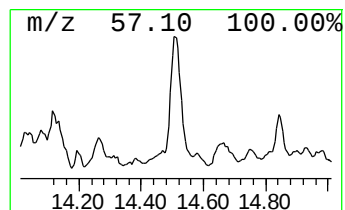
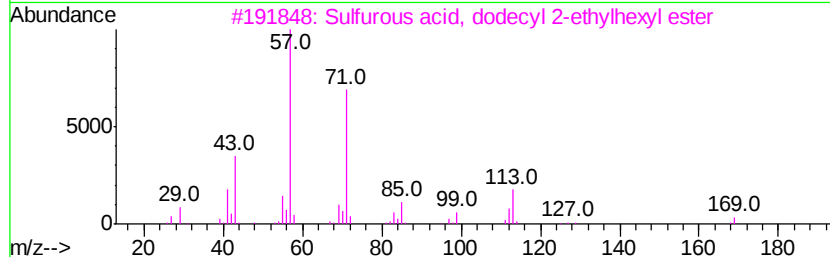
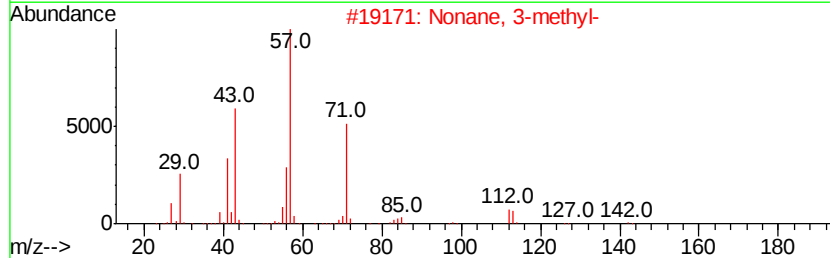
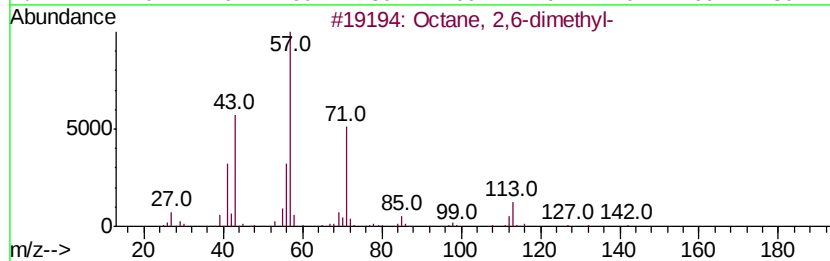
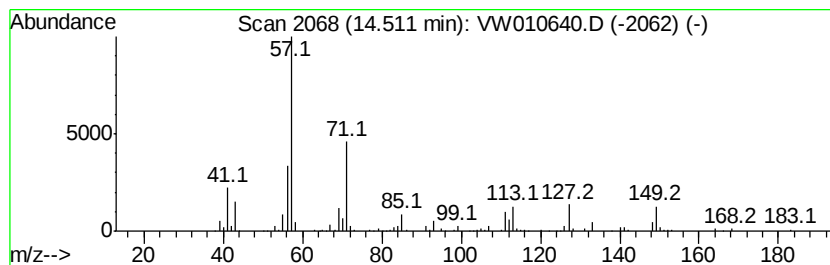
Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	10.99 ug/l	147503	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 59
2		Nonane, 3-methyl-	142 C10H22	005911-04-6 50
3		Sulfurous acid, dodecyl 2-ethylh...	362 C20H42O3S	1000309-19-5 50
4		Octane, 3,4,5,6-tetramethyl-	170 C12H26	062185-21-1 47
5		Sulfurous acid, di(2-ethylhexyl)...	306 C16H34O3S	1000309-19-1 47



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053119\
Data File : VW010640.D
Acq On : 31 May 2019 16:51
Operator : SY/VA
Sample : K3097-17
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 13 Sample Multiplier: 1

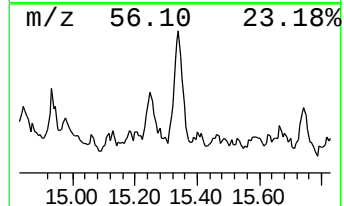
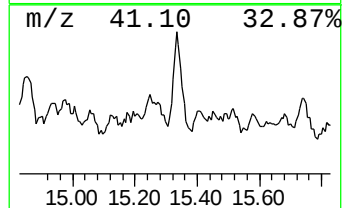
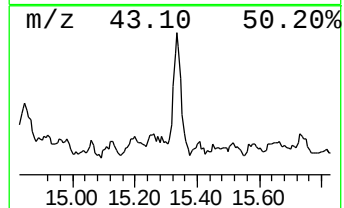
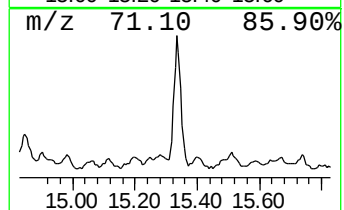
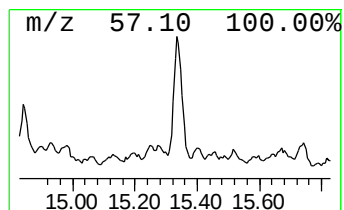
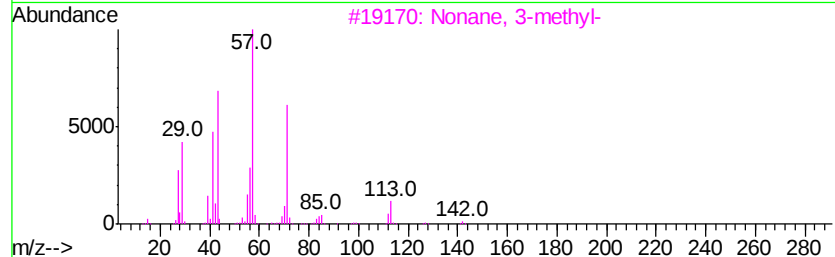
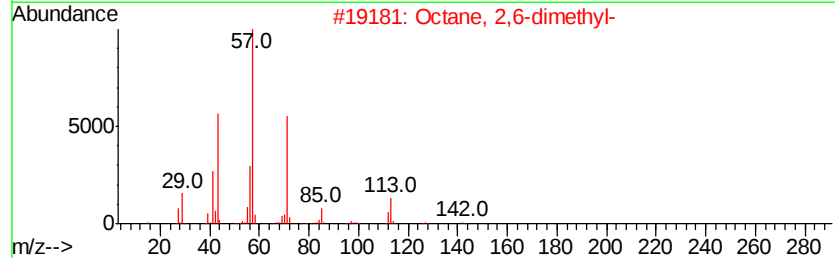
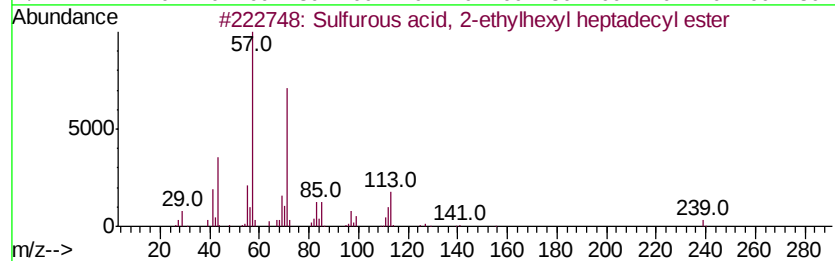
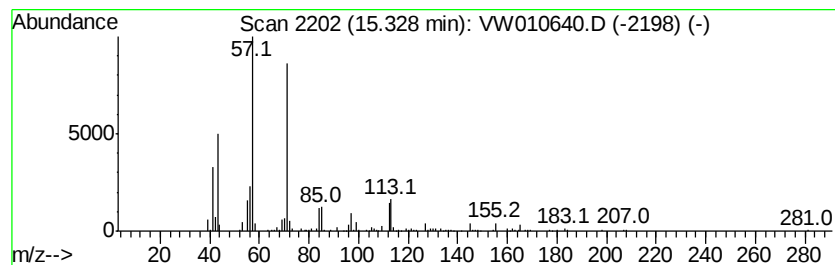
Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 10 Sulfurous acid, 2-ethylhexy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.33	9.28 ug/l	124580	1,4-Dichlorobenzene-d4	13.56		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	72
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3		Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4		Oxalic acid, 2-ethylhexyl tetrad...	398	C24H46O4	1000309-39-7	64
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW053119\
Data File : VW010640.D
Acq On : 31 May 2019 16:51
Operator : SY/VA
Sample : K3097-17
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0437-HR-17(HACKENSACK)

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.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
Heptane, 3-ethyl-...	12.37	17.3	ug/l	255944	3	11.63	738104	50.0
unknown12.87	12.87	8.5	ug/l	113529	4	13.56	671270	50.0
unknown12.96	12.96	26.8	ug/l	359373	4	13.56	671270	50.0
Heptane, 2,2,4,6,...	13.19	14.3	ug/l	191387	4	13.56	671270	50.0
Nonane, 3-methyl-...	13.41	23.4	ug/l	314227	4	13.56	671270	50.0
Naphthalene, deca...	13.88	10.2	ug/l	136899	4	13.56	671270	50.0
2-tert-Butyltoluene	14.13	9.9	ug/l	133173	4	13.56	671270	50.0
trans-Decalin, 2-...	14.39	9.7	ug/l	130577	4	13.56	671270	50.0
Octane, 2,6-dimet...	14.51	11.0	ug/l	147503	4	13.56	671270	50.0
Sulfurous acid, 2...	15.33	9.3	ug/l	124580	4	13.56	671270	50.0