

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009248.D
 Acq On : 19 Mar 2019 18:20
 Operator : SY/VA
 Sample : K1974-01
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC4

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\82W031919S.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	9.329	1205	1218	1223	rBV	633047	1484116	1.23%	0.217%
2	9.896	1302	1311	1315	rBV	656435	1281062	1.06%	0.187%
3	9.957	1315	1321	1325	rBV	2875834	5351737	4.42%	0.782%
4	10.097	1334	1344	1358	rBV	3890501	8483354	7.01%	1.239%
5	10.323	1374	1381	1385	rBV	3363377	6585681	5.44%	0.962%
6	10.506	1404	1411	1420	rVB	4027483	7166434	5.92%	1.047%
7	10.664	1432	1437	1446	rVB	1746719	3468905	2.87%	0.507%
8	10.762	1446	1453	1457	rBV2	1468742	3316143	2.74%	0.484%
9	10.799	1457	1459	1463	rVV	1285273	2082648	1.72%	0.304%
10	10.847	1463	1467	1473	rVV	2203686	3815420	3.15%	0.557%
11	10.939	1473	1482	1489	rVV	4427592	8047653	6.65%	1.175%
12	11.036	1491	1498	1506	rVV	4552601	9710770	8.02%	1.418%
13	11.109	1506	1510	1514	rVV2	1747998	3515503	2.90%	0.513%
14	11.177	1516	1521	1526	rVV	5740824	10648142	8.80%	1.555%
15	11.231	1526	1530	1536	rVV	4356272	8782615	7.26%	1.283%
16	11.286	1536	1539	1543	rVV	1142521	2116687	1.75%	0.309%
17	11.341	1543	1548	1552	rVV	4951391	8923794	7.37%	1.303%
18	11.408	1552	1559	1571	rVV2	8418575	22570576	18.65%	3.296%
19	11.512	1571	1576	1587	rVV	7544459	12477968	10.31%	1.822%
20	11.628	1587	1595	1600	rVV2	1233834	3310918	2.74%	0.484%
21	11.719	1600	1610	1614	rVV3	1272293	3986938	3.29%	0.582%
22	11.768	1614	1618	1621	rVV	1003974	1841597	1.52%	0.269%
23	11.841	1621	1630	1632	rVV2	2874499	6438076	5.32%	0.940%
24	11.878	1632	1636	1640	rVV2	4344813	8477735	7.01%	1.238%
25	11.914	1640	1642	1648	rVB2	2011706	3086558	2.55%	0.451%
26	12.067	1658	1667	1672	rBV3	1019829	2770539	2.29%	0.405%
27	12.164	1672	1683	1691	rVV	8882822	18405445	15.21%	2.688%
28	12.250	1692	1697	1702	rVB2	1730272	3296548	2.72%	0.481%
29	12.341	1708	1712	1716	rVV	1342143	2571781	2.13%	0.376%
30	12.384	1716	1719	1724	rVB	1160291	1851275	1.53%	0.270%
31	12.591	1747	1753	1762	rVB	22480367	35640007	29.45%	5.205%
32	12.701	1764	1771	1775	rBV3	1906446	4158750	3.44%	0.607%
33	12.762	1775	1781	1790	rVB	6352776	14637547	12.10%	2.138%
34	12.865	1790	1798	1802	rBV5	521292	1249688	1.03%	0.182%

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Integrator: RTE
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Sampling : 1
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Max Peaks: 100
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35	12.963	1802	1814	1820	rBV	6299617	15012394	12.41%	2.192%
36	13.201	1843	1853	1862	rVB	27622438	53232371	43.99%	7.774%
37	13.304	1862	1870	1879	rBV	10571380	17045092	14.08%	2.489%
38	13.414	1879	1888	1894	rBV	55645462	96753918	79.95%	14.130%
39	13.481	1897	1899	1902	rVV	2768687	3871077	3.20%	0.565%
40	13.524	1902	1906	1910	rVV2	6832953	11398918	9.42%	1.665%
41	13.566	1910	1913	1915	rVV2	4931465	7294122	6.03%	1.065%
42	13.609	1915	1920	1930	rVV3	59098973	121017922	100.00%	17.673%
43	13.719	1930	1938	1940	rVV	1488118	3207441	2.65%	0.468%
44	13.774	1940	1947	1954	rVV	21883486	38705576	31.98%	5.652%
45	13.841	1954	1958	1962	rVV2	3244490	6047358	5.00%	0.883%
46	13.908	1962	1969	1972	rVV2	4856017	10671654	8.82%	1.558%
47	13.957	1973	1977	1982	rVB	5681433	10566869	8.73%	1.543%
48	14.042	1987	1991	1993	rVV2	1204688	2038377	1.68%	0.298%
49	14.078	1993	1997	1999	rVV	2297715	4256943	3.52%	0.622%
50	14.115	1999	2003	2013	rVB	4057481	8856536	7.32%	1.293%
51	14.261	2020	2027	2029	rBV2	1210584	2261972	1.87%	0.330%
52	14.505	2058	2067	2078	rVB3	9434265	19937416	16.47%	2.912%
53	14.645	2085	2090	2094	rBV	1424018	2489501	2.06%	0.364%
54	14.688	2094	2097	2101	rVB3	876961	1287995	1.06%	0.188%
55	14.755	2101	2108	2115	rBV2	514249	1532952	1.27%	0.224%
56	14.938	2133	2138	2141	rBV	808872	1300503	1.07%	0.190%
57	14.975	2141	2144	2153	rVB	562228	1272009	1.05%	0.186%
58	15.292	2187	2196	2201	rBV5	530416	1537810	1.27%	0.225%
59	15.347	2201	2205	2211	rVB	1000500	1611455	1.33%	0.235%

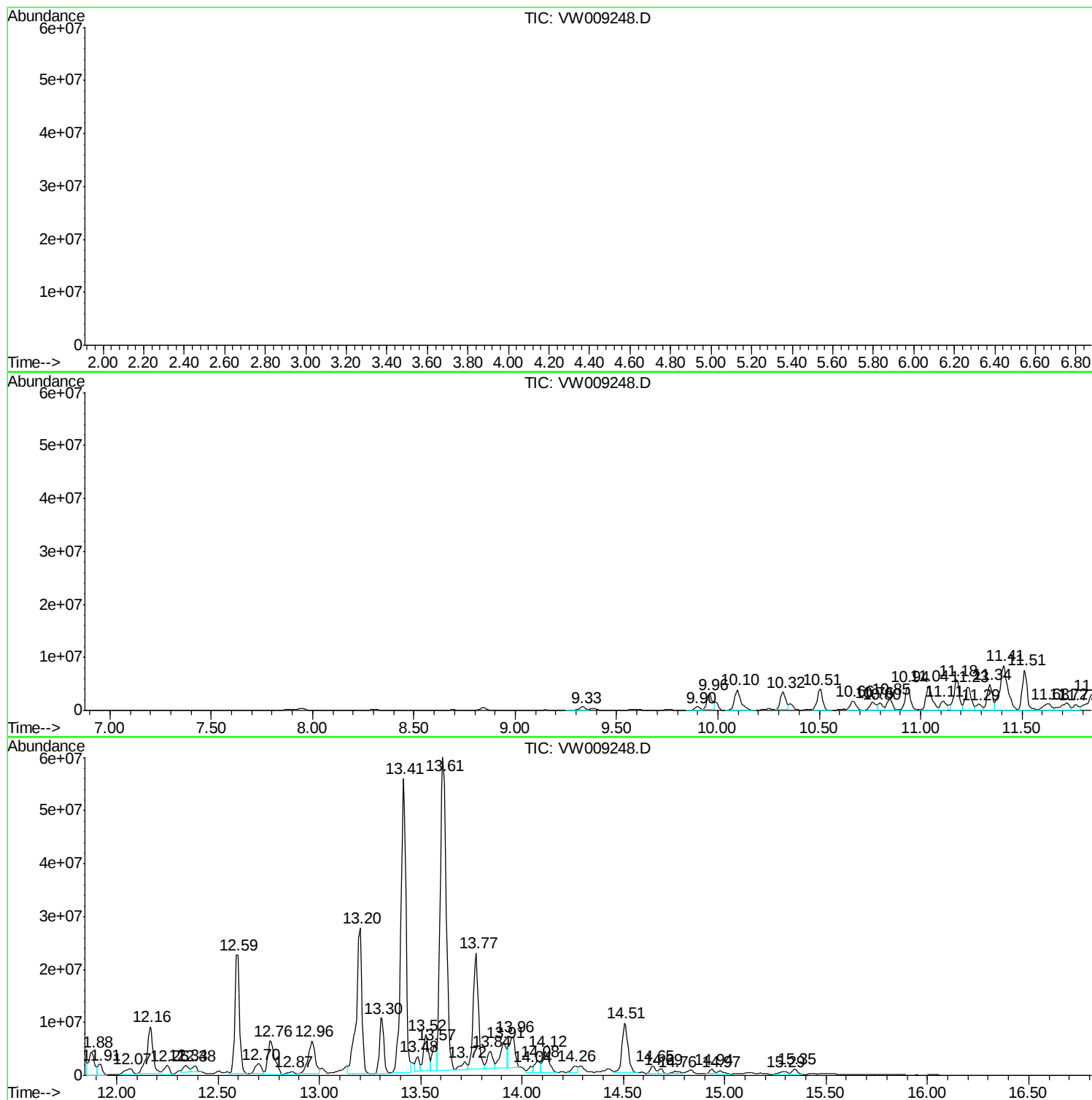
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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



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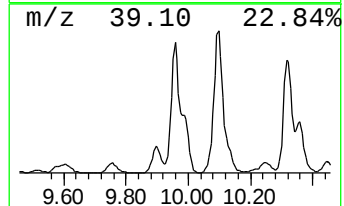
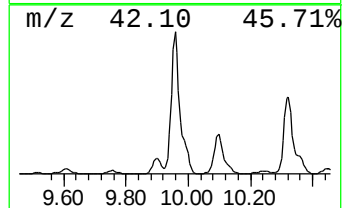
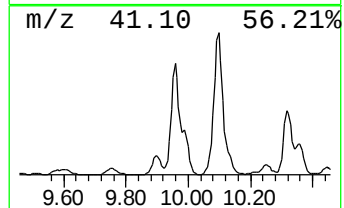
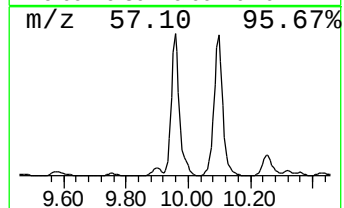
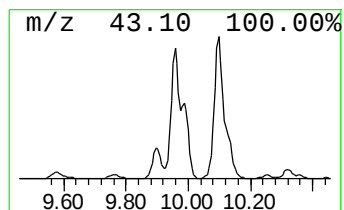
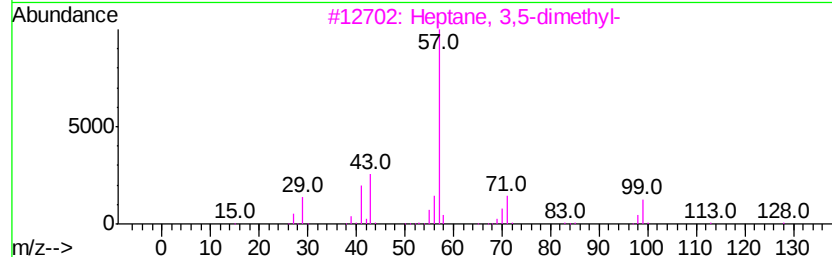
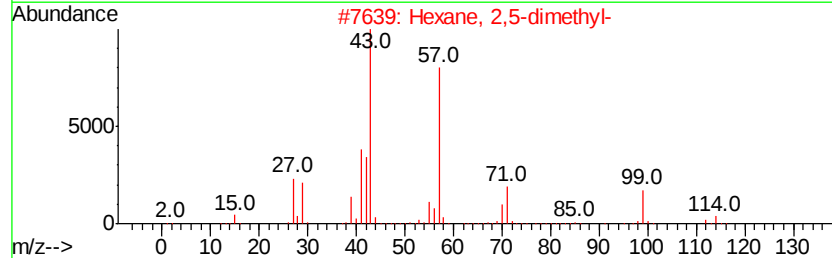
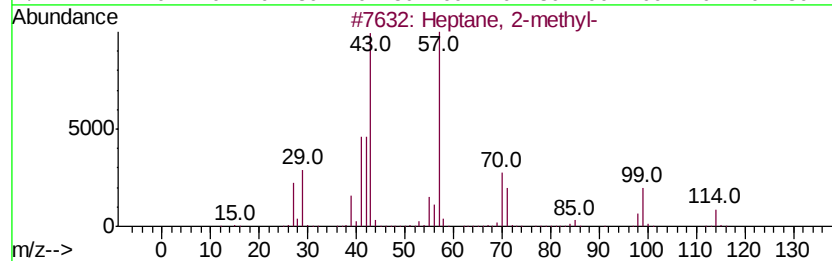
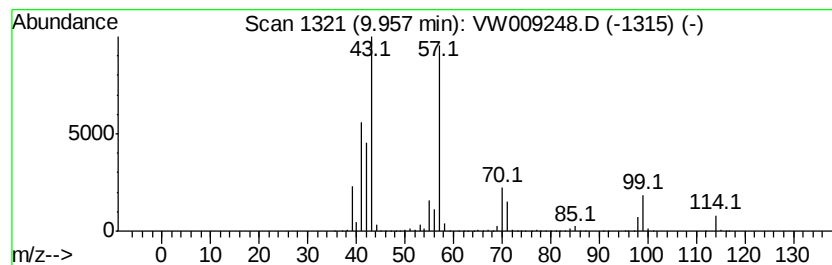
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 1 Heptane, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	180.30 ug/l	5351740	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	95
2		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	80
3		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	38
4		Heptane, 3-ethyl-	128	C9H20	015869-80-4	38
5		Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	35



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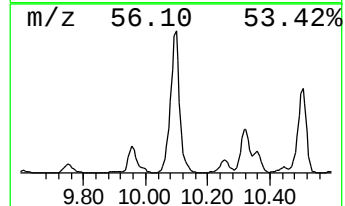
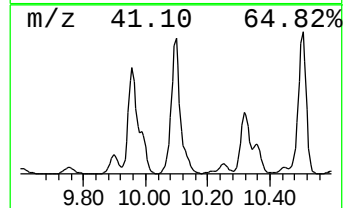
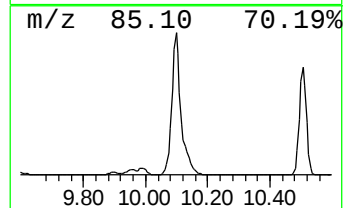
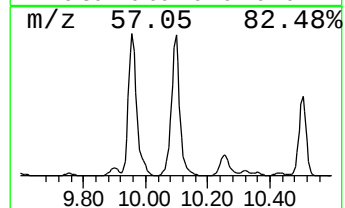
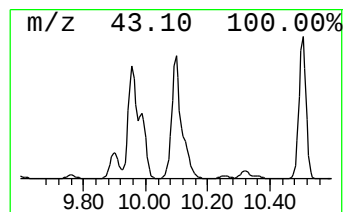
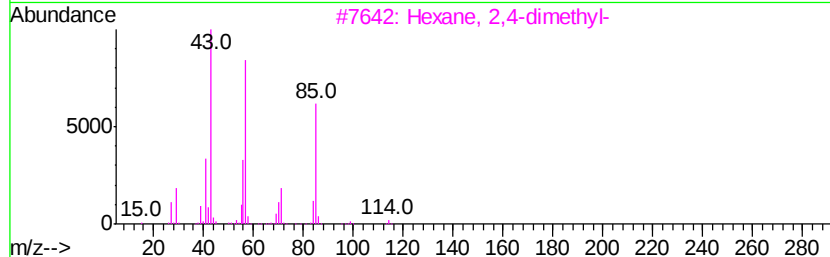
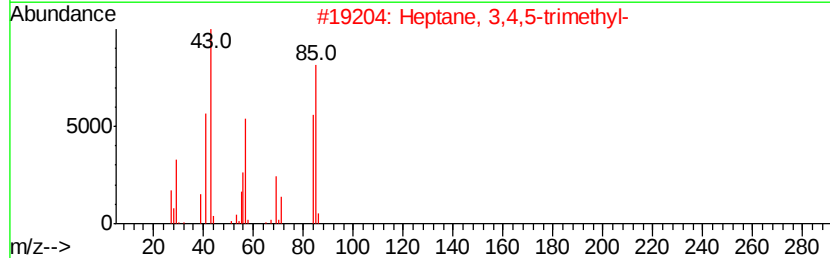
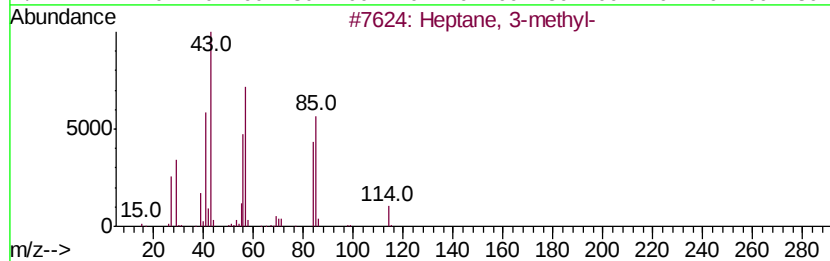
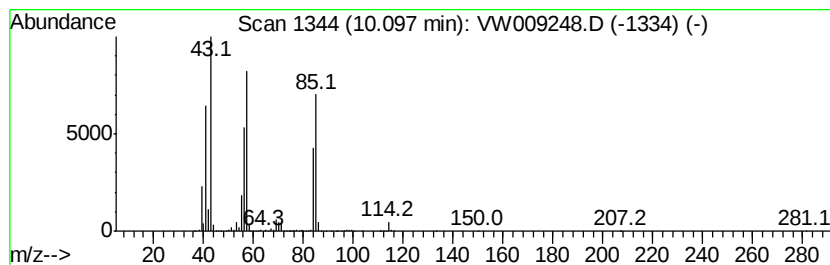
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 2 Heptane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	285.81 ug/l	8483350	1,4-Difluorobenzene	8.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-methyl-	114	C8H18	000589-81-1	94
2		Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
3		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
4		Hexane, 3-ethyl-	114	C8H18	000619-99-8	49
5		Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	47



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Misc : 5.08G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

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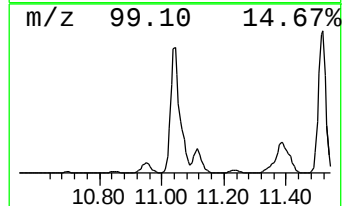
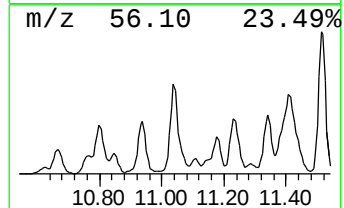
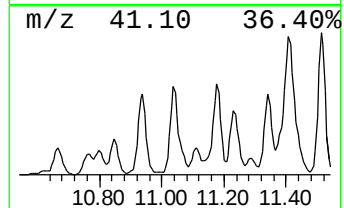
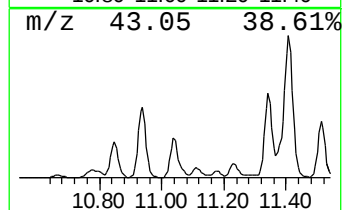
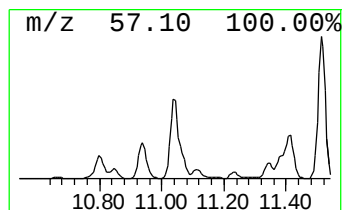
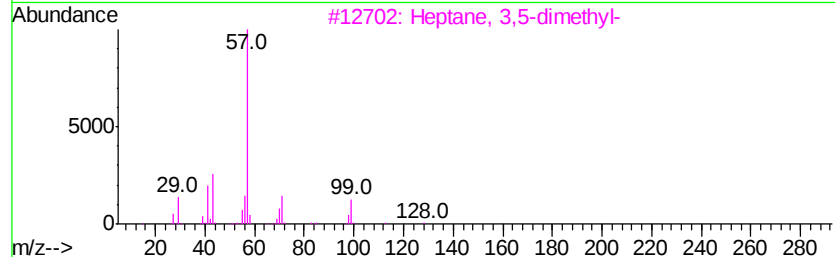
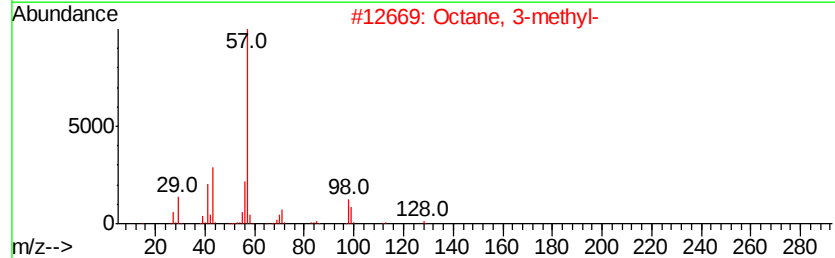
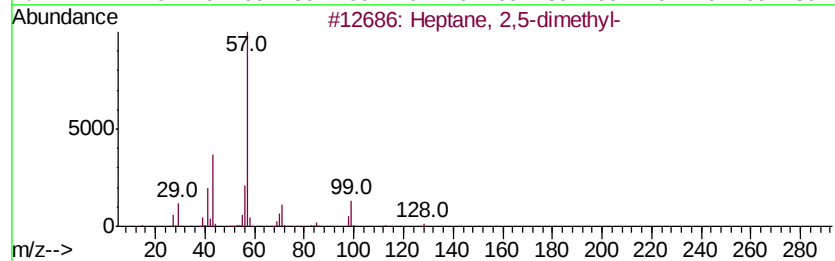
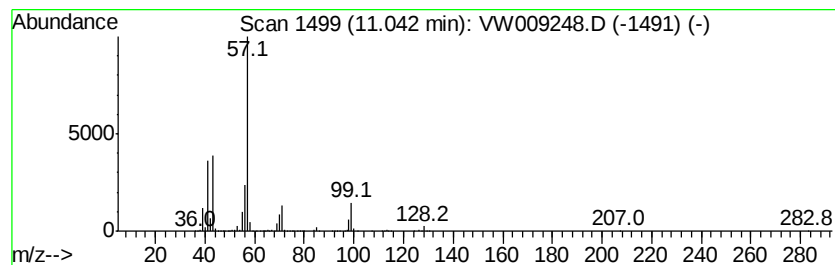
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	146.65 ug/l	9710770	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	90
2		Octane, 3-methyl-	128	C9H20	002216-33-3	87
3		Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	76
4		Heptane, 2,3,6-trimethyl-	142	C10H22	004032-93-3	50
5		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47



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ClientSampled :
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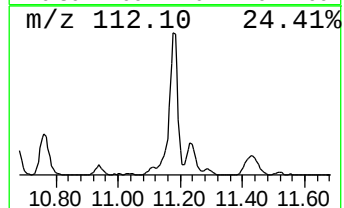
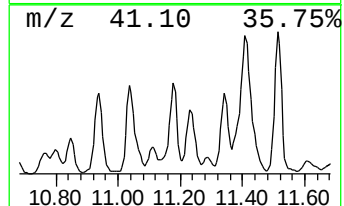
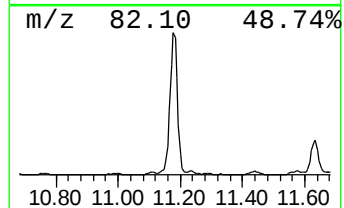
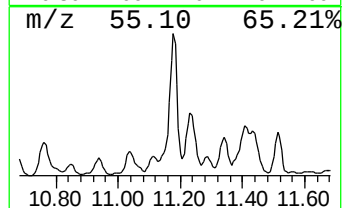
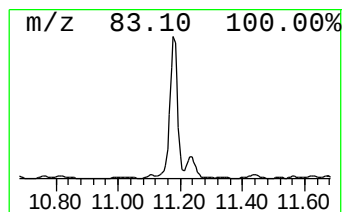
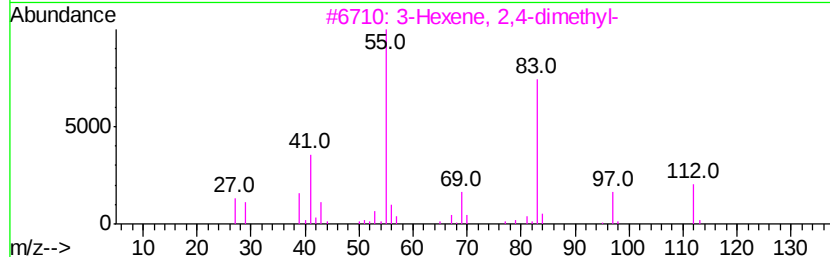
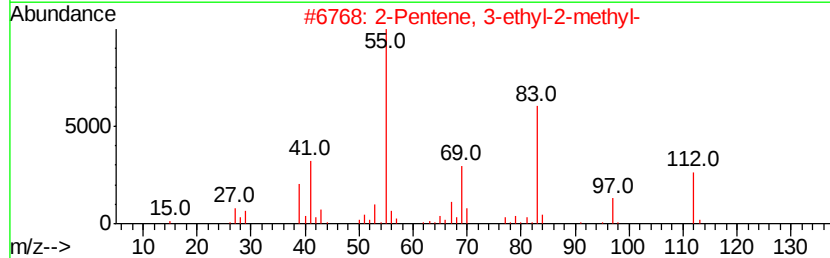
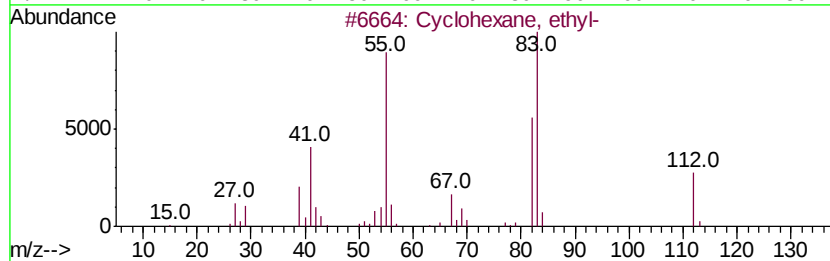
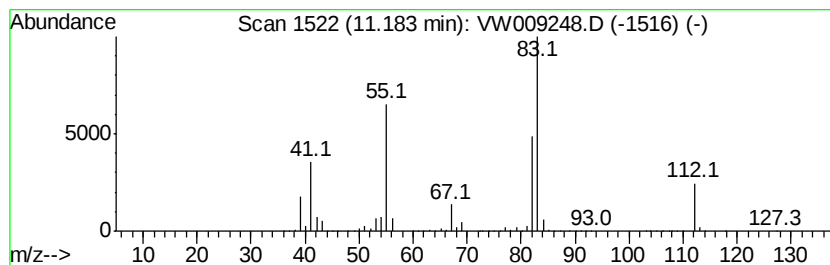
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	160.80 ug/l	10648100	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	94
2		2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53
3		3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	53
4		4-Ethyl-2-hexene	112	C8H16	019780-46-2	50
5		Oxalic acid, cyclohexyl butyl ester	228	C12H20O4	1000309-30-5	50



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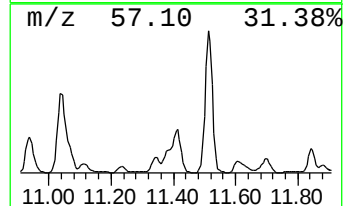
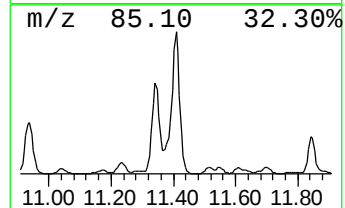
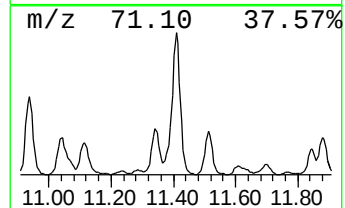
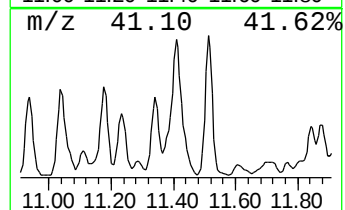
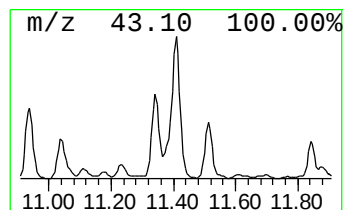
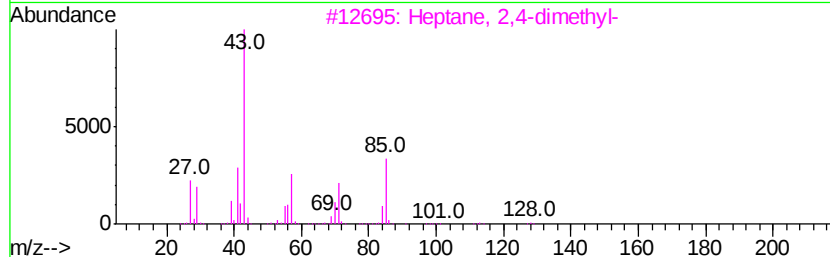
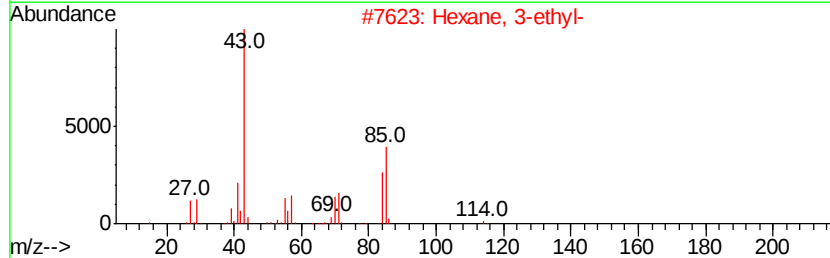
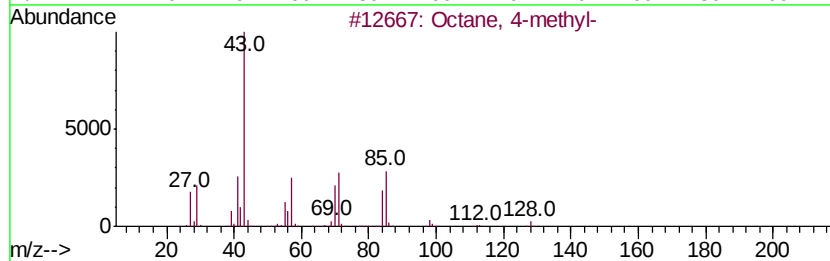
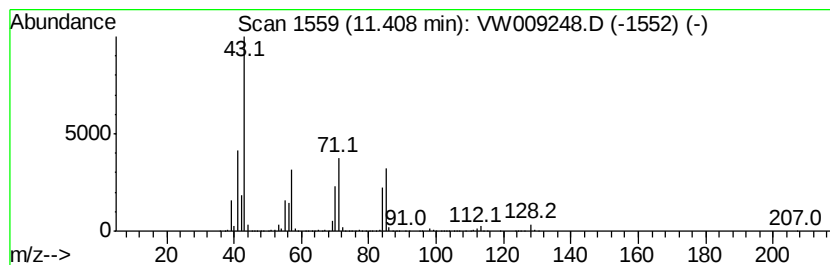
Instrument :
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ClientSampleId :
WC4

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 5 Octane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.41	340.85 ug/l	22570600	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	91
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
5	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009248.D
Acq On : 19 Mar 2019 18:20
Operator : SY/VA
Sample : K1974-01
Misc : 5.08G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC4

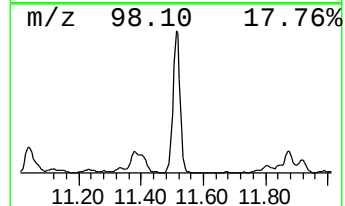
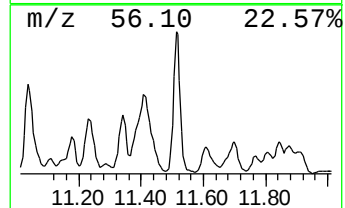
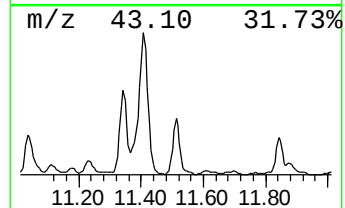
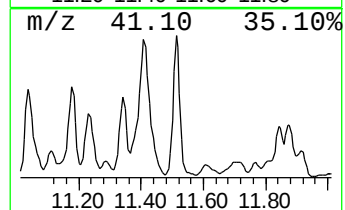
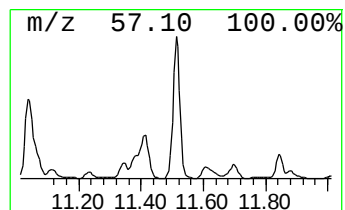
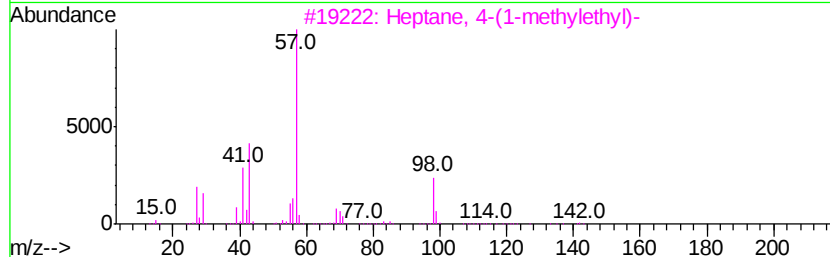
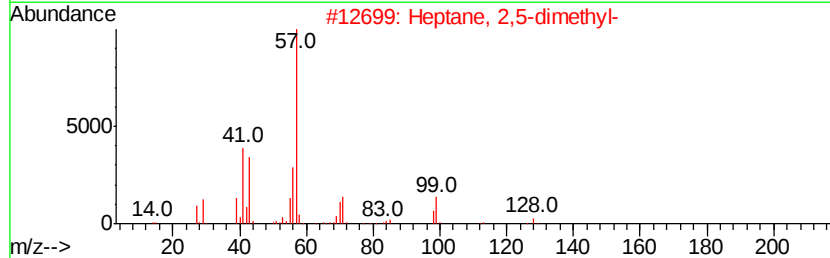
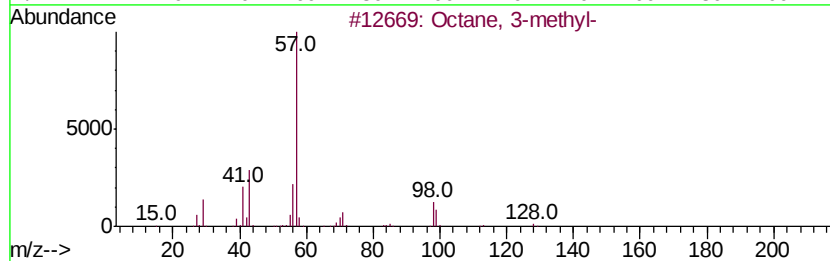
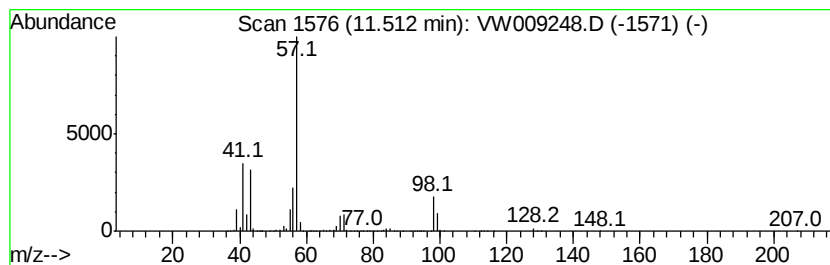
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Quant Title : SW846 8260

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

Peak Number 6 Octane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	188.44 ug/l	12478000	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3		Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	64
4		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
5		Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009248.D
Acq On : 19 Mar 2019 18:20
Operator : SY/VA
Sample : K1974-01
Misc : 5.08G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC4

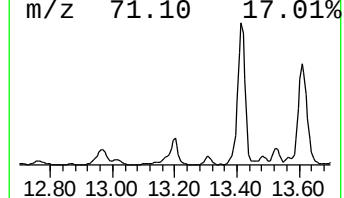
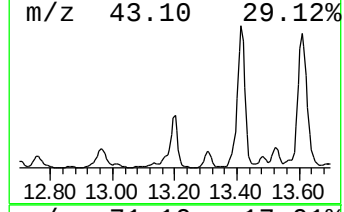
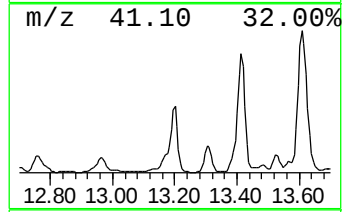
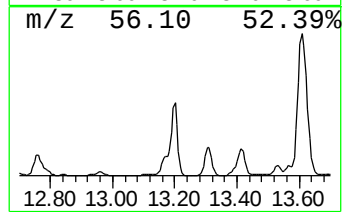
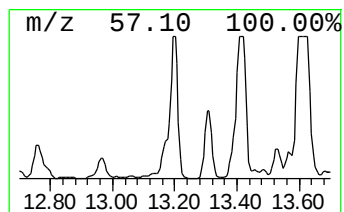
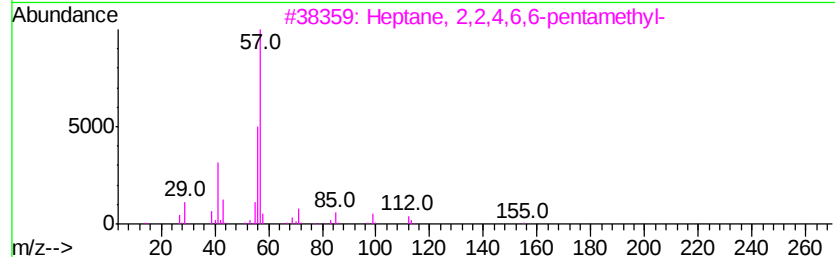
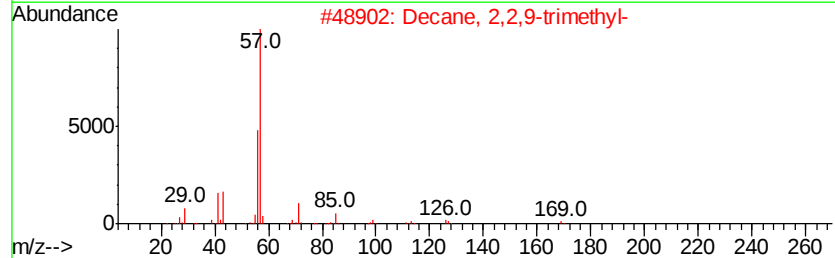
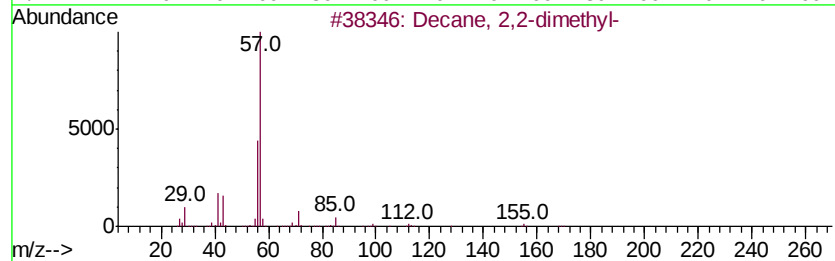
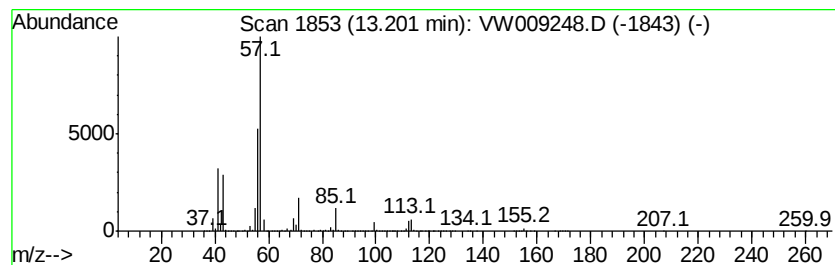
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Quant Title : SW846 8260

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

Peak Number 7 Decane, 2,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	364.90 ug/l	53232400	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78	
2	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72	
3	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72	
4	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72	
5	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	64	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009248.D
 Acq On : 19 Mar 2019 18:20
 Operator : SY/VA
 Sample : K1974-01
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC4

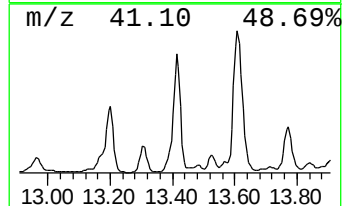
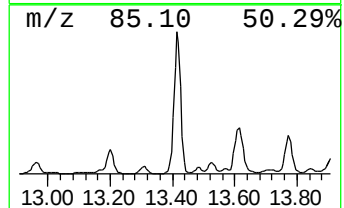
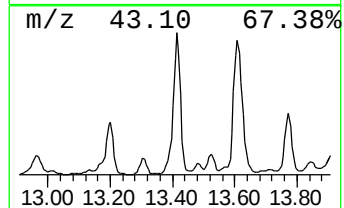
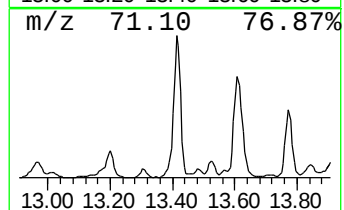
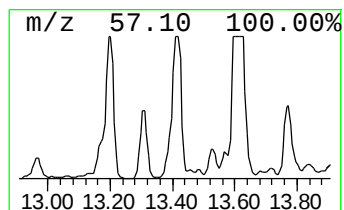
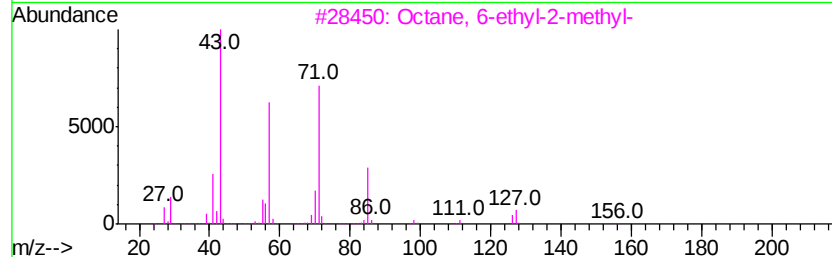
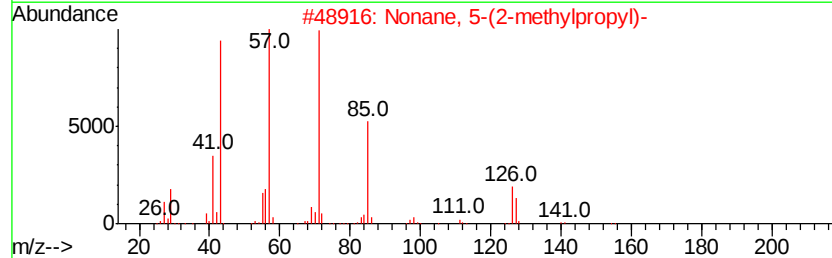
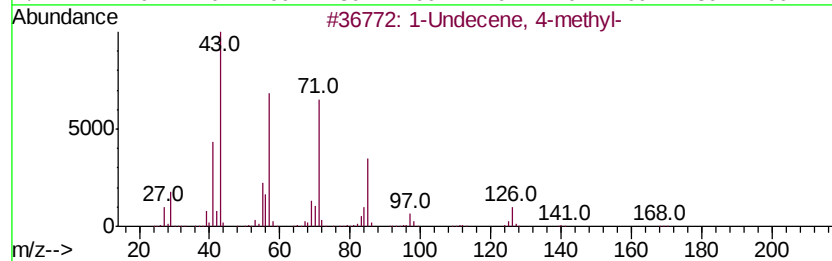
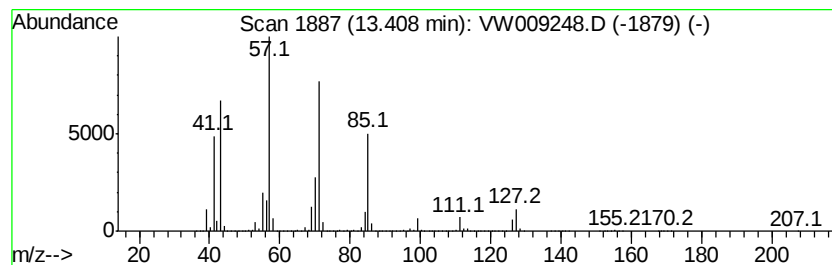
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260

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

 Peak Number 8 1-Undecene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	663.23 ug/l	96753900	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	83
2		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64
3		Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	64
4		Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	53
5		Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009248.D
Acq On : 19 Mar 2019 18:20
Operator : SY/VA
Sample : K1974-01
Misc : 5.08G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC4

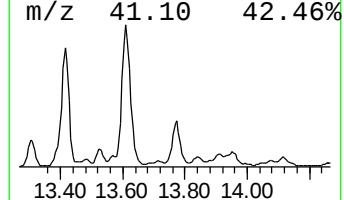
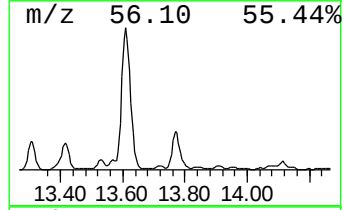
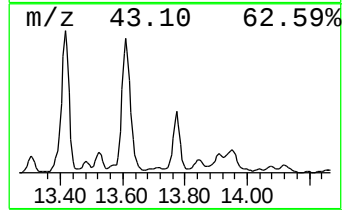
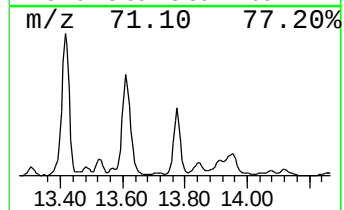
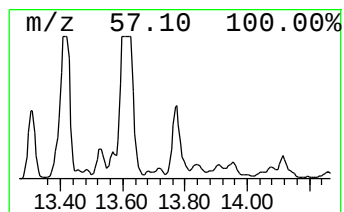
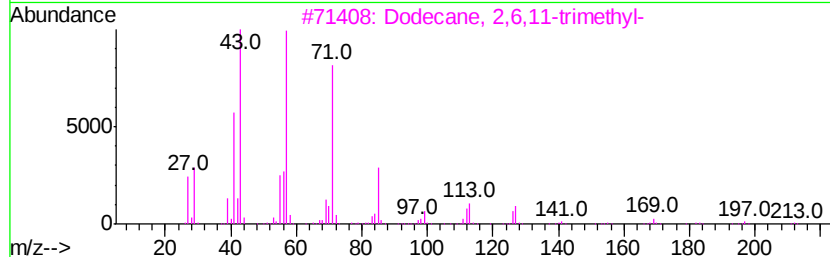
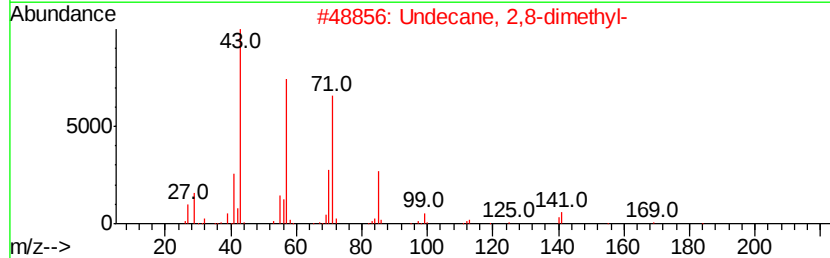
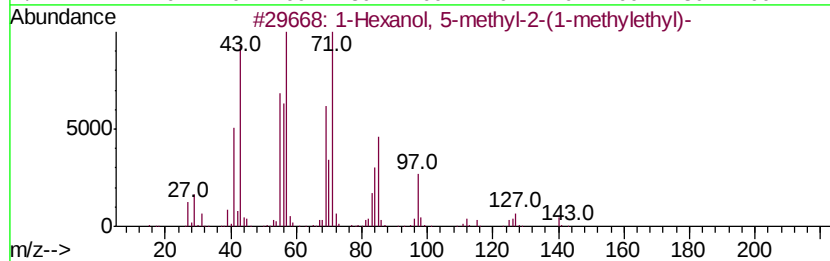
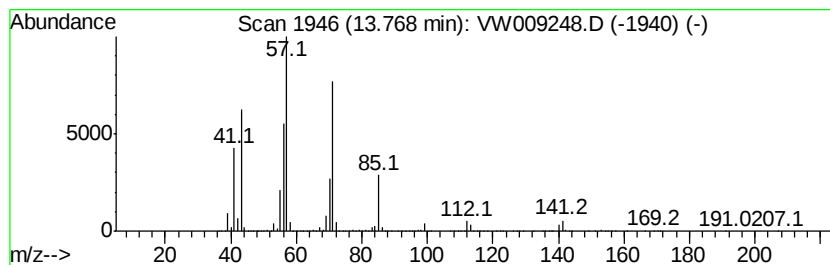
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 9 1-Hexanol, 5-methyl-2-(1-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	265.32 ug/l	38705600	1,4-Dichlorobenzene-d4	13.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	83	
2	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	64	
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59	
4	Oxalic acid, hexyl neopentyl ester	244	C13H24O4	1000309-73-1	50	
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	50	



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
Data File : VW009248.D
Acq On : 19 Mar 2019 18:20
Operator : SY/VA
Sample : K1974-01
Misc : 5.08G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC4

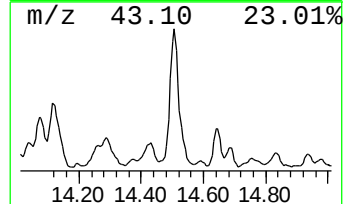
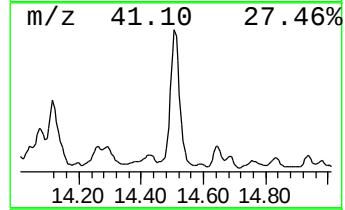
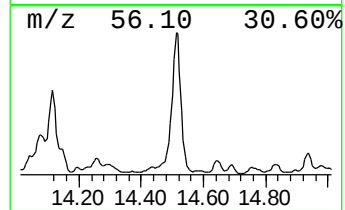
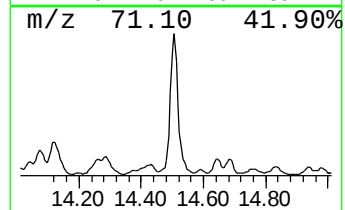
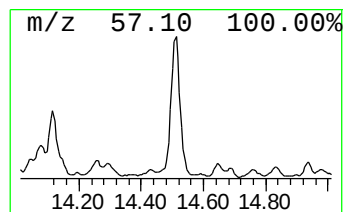
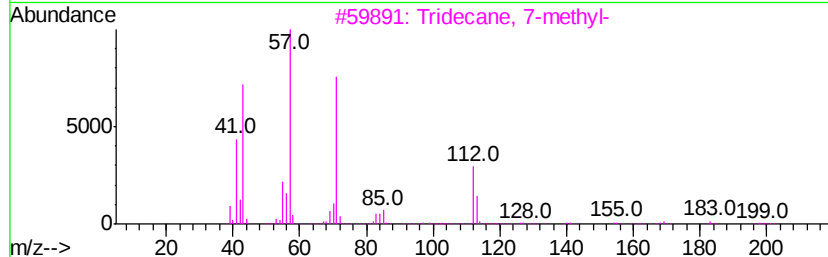
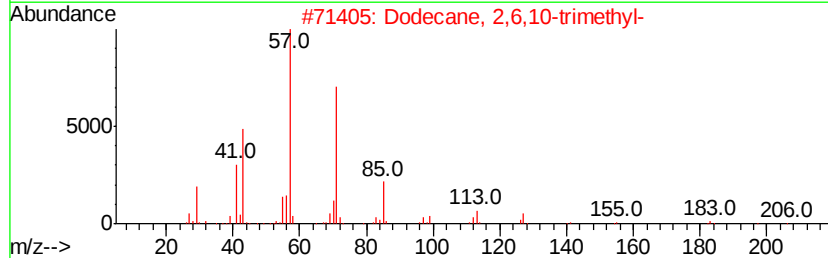
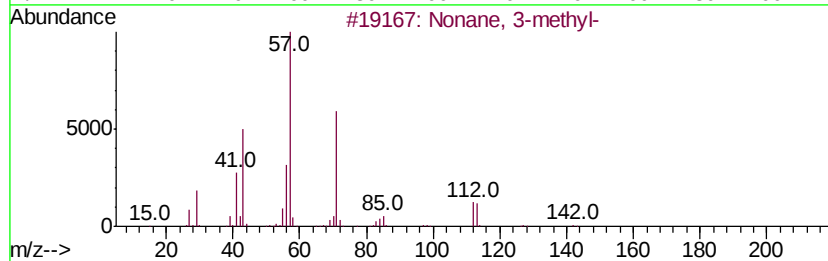
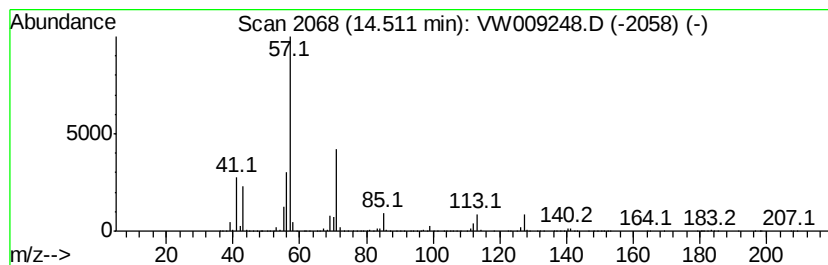
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260

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

Peak Number 10 Nonane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	136.67 ug/l	19937400	1,4-Dichlorobenzene-d4	13.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	64
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	59
4			Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	59
5			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	53



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW031919\
Data File : VW009248.D
Acq On : 19 Mar 2019 18:20
Operator : SY/VA
Sample : K1974-01
Misc : 5.08G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.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, 2-methyl-	9.96	180.3	ug/l	5351740	2	8.84	1484120	50.0
Heptane, 3-methyl-	10.10	285.8	ug/l	8483350	2	8.84	1484120	50.0
Heptane, 2,5-dime...	11.04	146.7	ug/l	9710770	3	11.63	3310920	50.0
Cyclohexane, ethyl-	11.18	160.8	ug/l	10648100	3	11.63	3310920	50.0
Octane, 4-methyl-	11.41	340.9	ug/l	22570600	3	11.63	3310920	50.0
Octane, 3-methyl-	11.51	188.4	ug/l	12478000	3	11.63	3310920	50.0
Decane, 2,2-dimet...	13.20	364.9	ug/l	53232400	4	13.56	7294120	50.0
1-Undecene, 4-met...	13.41	663.2	ug/l	96753900	4	13.56	7294120	50.0
1-Hexanol, 5-meth...	13.77	265.3	ug/l	38705600	4	13.56	7294120	50.0
Nonane, 3-methyl-	14.51	136.7	ug/l	19937400	4	13.56	7294120	50.0