

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011408.D
 Acq On : 20 Jul 2019 07:03
 Operator : SY/VA
 Sample : K3615-05
 Misc : 6.30G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-06-071719-C

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\82W070819S.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	8.836	1127	1137	1147	rBV	552483	1123466	1.45%	0.185%
2	10.323	1373	1381	1387	rBV	1026429	1967765	2.55%	0.324%
3	10.500	1404	1410	1420	rVB	464397	847093	1.10%	0.139%
4	11.177	1513	1521	1525	rVV	761602	1464797	1.90%	0.241%
5	11.231	1525	1530	1535	rVB	716278	1272471	1.65%	0.209%
6	11.414	1551	1560	1571	rVB3	2406334	6348723	8.22%	1.045%
7	11.512	1571	1576	1581	rBV	2295077	3518590	4.56%	0.579%
8	11.628	1590	1595	1600	rBV	573235	986376	1.28%	0.162%
9	11.731	1605	1612	1615	rBV2	1077621	1873592	2.43%	0.308%
10	11.841	1620	1630	1639	rVV3	16525344	33997267	44.02%	5.597%
11	11.914	1639	1642	1648	rVB2	1931401	3221916	4.17%	0.530%
12	12.061	1659	1666	1671	rVB3	1401759	2694220	3.49%	0.444%
13	12.140	1671	1679	1680	rBV3	4765590	7951406	10.29%	1.309%
14	12.164	1680	1683	1690	rVV	6958610	13132892	17.00%	2.162%
15	12.256	1691	1698	1702	rVB	4130154	7201836	9.32%	1.186%
16	12.335	1702	1711	1713	rBV5	2763892	6522167	8.44%	1.074%
17	12.384	1713	1719	1727	rVV5	4524983	12645766	16.37%	2.082%
18	12.512	1727	1740	1742	rVV6	3686162	11846407	15.34%	1.950%
19	12.542	1742	1745	1747	rVV	6194336	9230033	11.95%	1.519%
20	12.567	1747	1749	1754	rVB	6442596	8682261	11.24%	1.429%
21	12.621	1754	1758	1760	rBV3	1557136	2421012	3.13%	0.399%
22	12.652	1760	1763	1768	rVV	5662042	7680164	9.94%	1.264%
23	12.701	1768	1771	1775	rVB3	1121903	1629119	2.11%	0.268%
24	12.798	1781	1787	1792	rVB3	2657115	6197749	8.02%	1.020%
25	12.865	1792	1798	1802	rBV	10928509	19908245	25.77%	3.277%
26	12.938	1802	1810	1816	rVV2	39611728	77240134	100.00%	12.716%
27	12.993	1816	1819	1824	rVB2	3411191	5020341	6.50%	0.826%
28	13.103	1824	1837	1844	rBV3	6739060	21402221	27.71%	3.523%
29	13.170	1844	1848	1854	rVB2	6555984	10795801	13.98%	1.777%
30	13.255	1854	1862	1866	rBV	11499064	19607150	25.38%	3.228%
31	13.292	1866	1868	1873	rVB	1902460	2376539	3.08%	0.391%
32	13.347	1873	1877	1880	rBV3	1557168	2402192	3.11%	0.395%
33	13.444	1886	1893	1897	rBV4	7182608	14026465	18.16%	2.309%
34	13.487	1897	1900	1903	rVV2	5895541	8702533	11.27%	1.433%

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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
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35	13.524	1903	1906	1908	rVV	3556032	4776435	6.18%	0.786%
36	13.554	1908	1911	1913	rVV	5132579	6935224	8.98%	1.142%
37	13.591	1913	1917	1920	rVV	10240656	15521935	20.10%	2.555%
38	13.627	1920	1923	1929	rVB	4785796	6318472	8.18%	1.040%
39	13.719	1929	1938	1939	rBV5	1725151	3841444	4.97%	0.632%
40	13.755	1939	1944	1947	rVV2	9151720	14786056	19.14%	2.434%
41	13.792	1947	1950	1959	rVB3	6496014	13129926	17.00%	2.161%
42	13.877	1959	1964	1969	rBV	27462116	39877838	51.63%	6.565%
43	13.920	1969	1971	1973	rVV	1293711	1569830	2.03%	0.258%
44	13.950	1973	1976	1979	rVV	2254835	3225864	4.18%	0.531%
45	14.042	1983	1991	1996	rVV3	3804747	8582587	11.11%	1.413%
46	14.097	1996	2000	2004	rVB	5135019	7324723	9.48%	1.206%
47	14.133	2004	2006	2013	rVB4	1412601	2967252	3.84%	0.488%
48	14.207	2013	2018	2023	rVB3	5433505	8829059	11.43%	1.453%
49	14.268	2023	2028	2034	rVB6	1616491	3290635	4.26%	0.542%
50	14.347	2034	2041	2044	rBV3	3235643	7253357	9.39%	1.194%
51	14.389	2044	2048	2052	rVV3	3440520	4884851	6.32%	0.804%
52	14.426	2052	2054	2057	rVV3	1882142	2107184	2.73%	0.347%
53	14.463	2057	2060	2063	rVB	3538179	4559331	5.90%	0.751%
54	14.499	2063	2066	2070	rVB2	2879772	3619414	4.69%	0.596%
55	14.548	2070	2074	2080	rVB3	1966582	3284394	4.25%	0.541%
56	14.609	2080	2084	2086	rBV2	904442	1355332	1.75%	0.223%
57	14.645	2086	2090	2093	rVB	1579147	2046503	2.65%	0.337%
58	14.694	2093	2098	2099	rBV	3106097	4232535	5.48%	0.697%
59	14.725	2099	2103	2109	rVB3	9297190	15002275	19.42%	2.470%
60	14.810	2109	2117	2121	rBV4	7796621	18834394	24.38%	3.101%
61	14.963	2137	2142	2148	rVB	6331535	10428187	13.50%	1.717%
62	15.066	2155	2159	2163	rBV3	1483782	2223572	2.88%	0.366%
63	15.109	2163	2166	2170	rVB	731587	1024136	1.33%	0.169%
64	15.176	2171	2177	2185	rVB4	1822745	4791630	6.20%	0.789%
65	15.249	2186	2189	2197	rVB7	1581152	3475864	4.50%	0.572%
66	15.328	2197	2202	2211	rBV5	2315184	4586348	5.94%	0.755%
67	15.426	2213	2218	2222	rBV	1363268	2222544	2.88%	0.366%
68	15.475	2222	2226	2229	rBV	1181555	1868514	2.42%	0.308%
69	15.560	2235	2240	2248	rVB	4433688	8440455	10.93%	1.390%
70	15.664	2249	2257	2263	rBV3	1901667	4875824	6.31%	0.803%
71	15.737	2265	2269	2276	rVV4	863632	1763513	2.28%	0.290%

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72	15.828	2278	2284	2286	rVV3	1056677	2282957	2.96%	0.376%
73	15.865	2286	2290	2300	rVB	2903335	5736794	7.43%	0.944%
74	16.029	2310	2317	2323	rBV5	735260	1916415	2.48%	0.315%
75	16.182	2332	2342	2347	rBV3	1513461	4120053	5.33%	0.678%
76	16.377	2370	2374	2380	rVV2	850638	1651995	2.14%	0.272%
77	16.499	2389	2394	2400	rVB	1139932	1940984	2.51%	0.320%

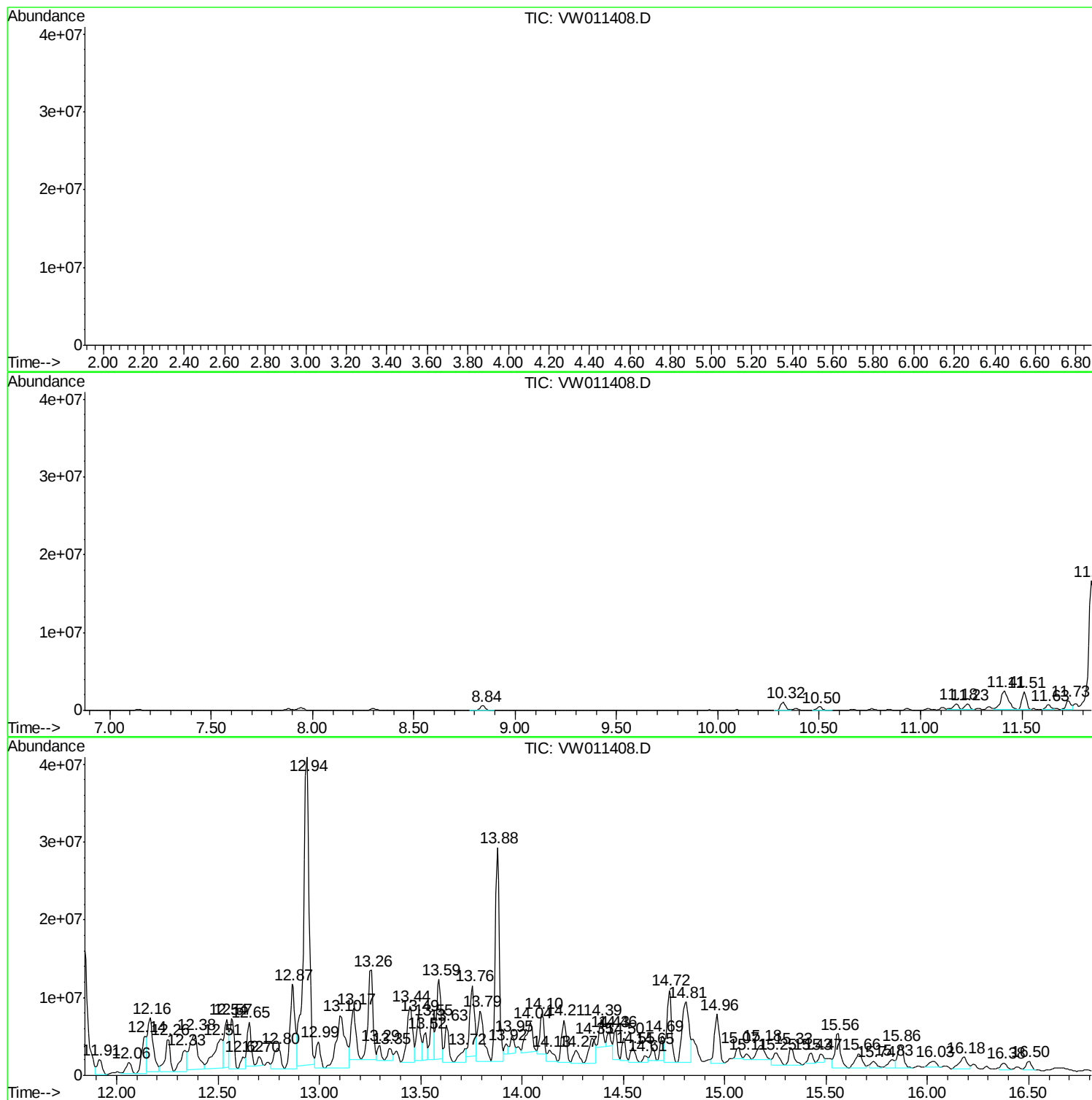
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260

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



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ALS Vial : 1 Sample Multiplier: 1

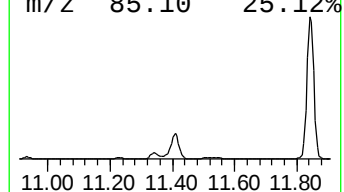
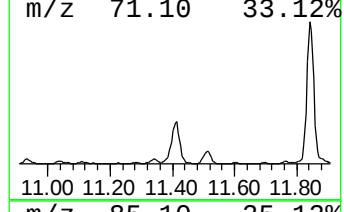
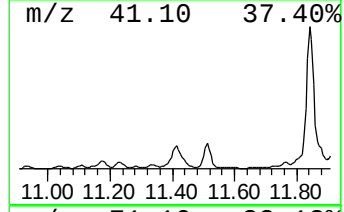
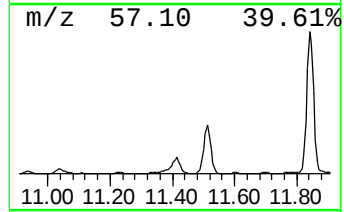
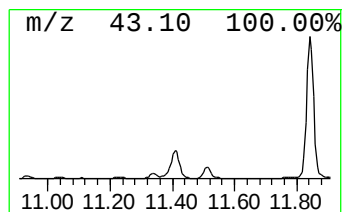
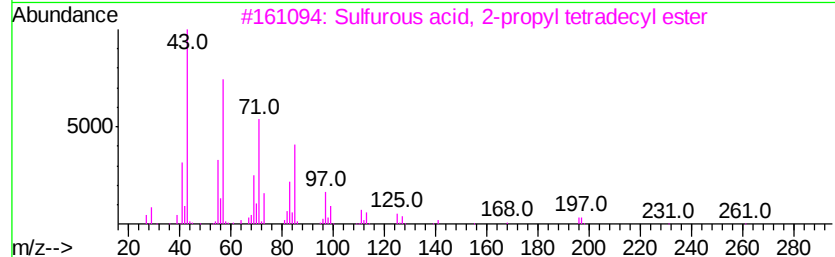
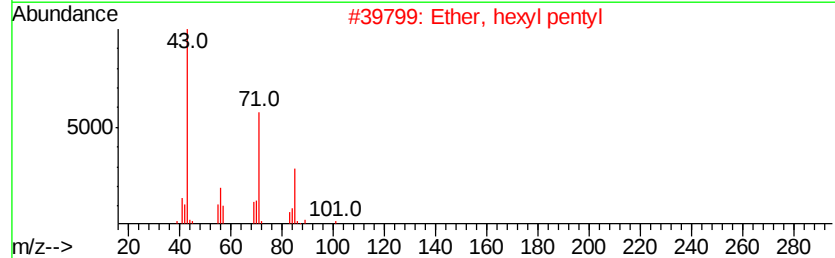
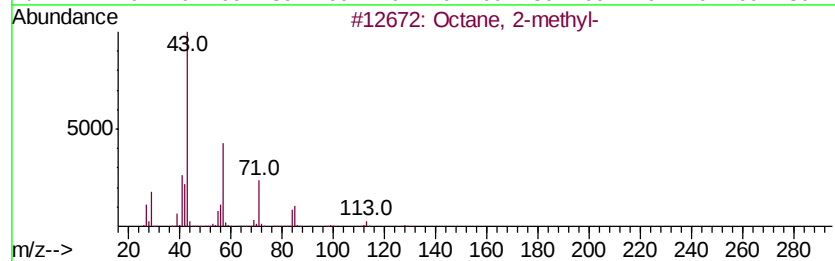
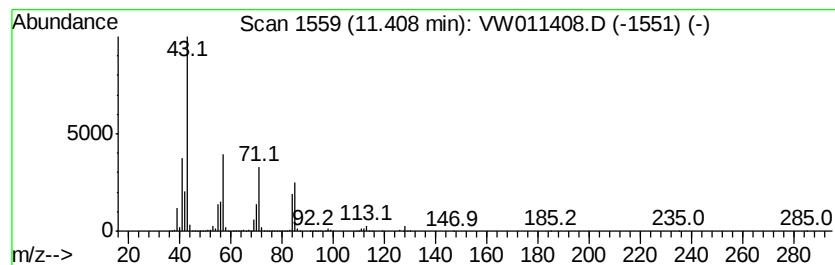
Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260

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

Peak Number 1 Octane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.41	321.82 ug/l	6348720	Chlorobenzene-d5	11.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	64
2	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59
3	Sulfurous acid, 2-propyl tetradecyl	320	C17H36O3S	1000309-12-5	53
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	52
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	50



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Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

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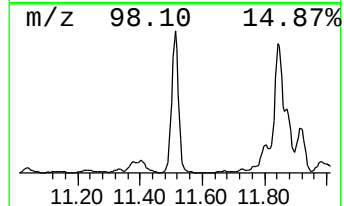
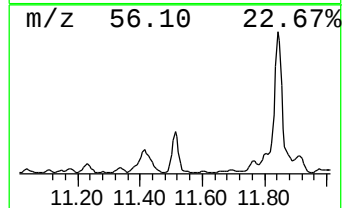
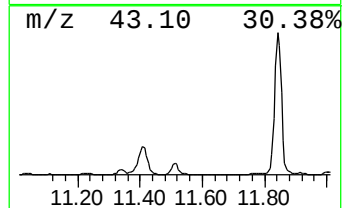
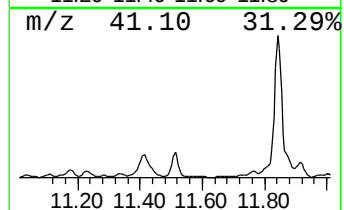
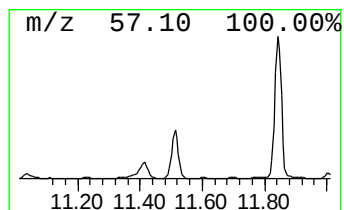
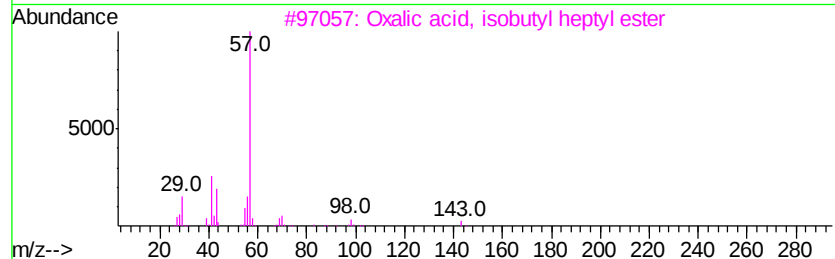
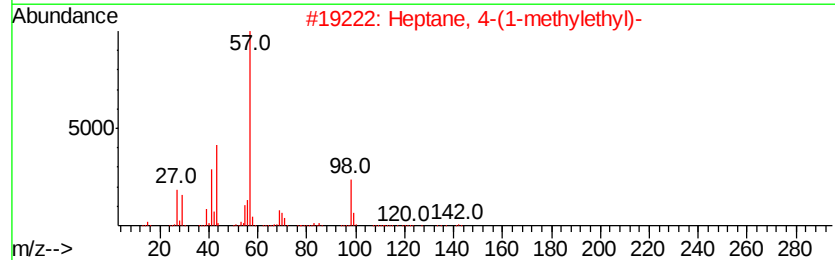
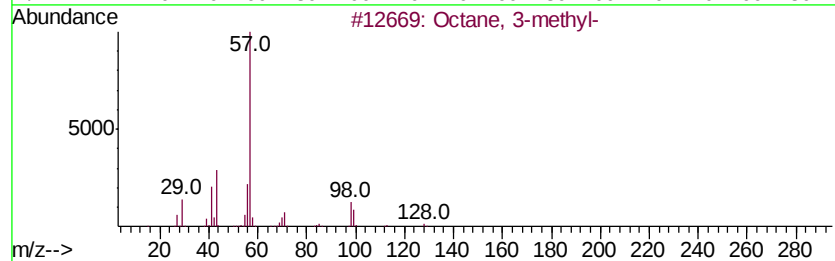
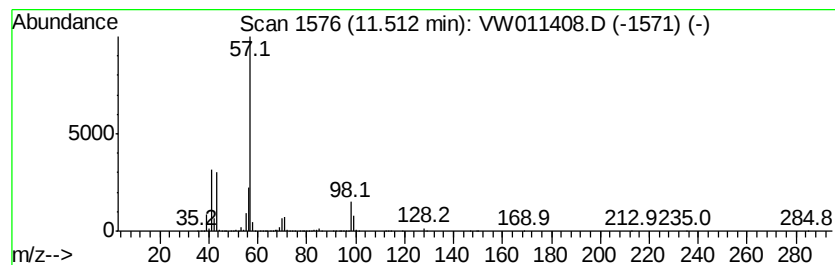
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	178.36 ug/l	3518590	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, 4-(1-methylethyl)-	142	C10H22	052896-87-4	72
3		Oxalic acid, isobutyl heptyl ester	244	C13H24O4	1000309-37-2	59
4		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
5		Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	53



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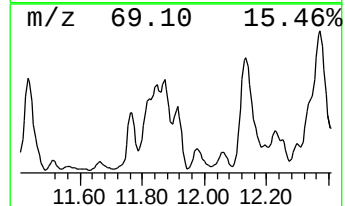
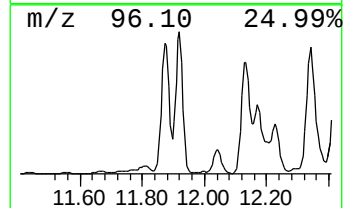
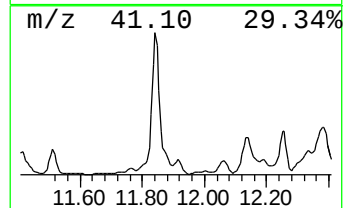
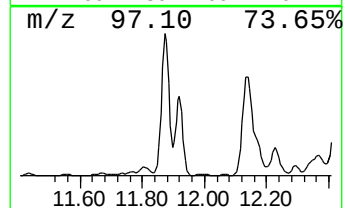
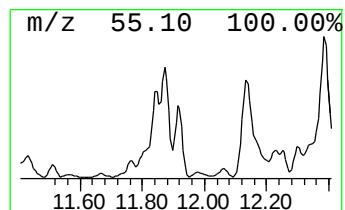
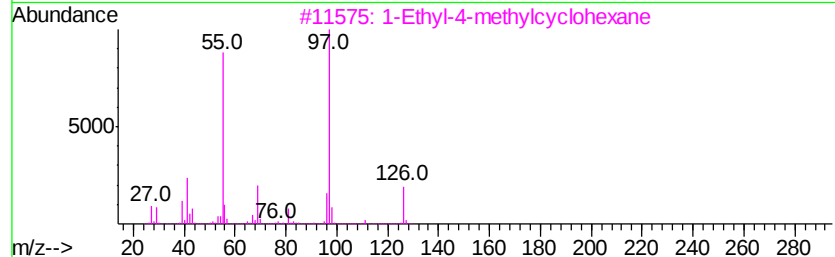
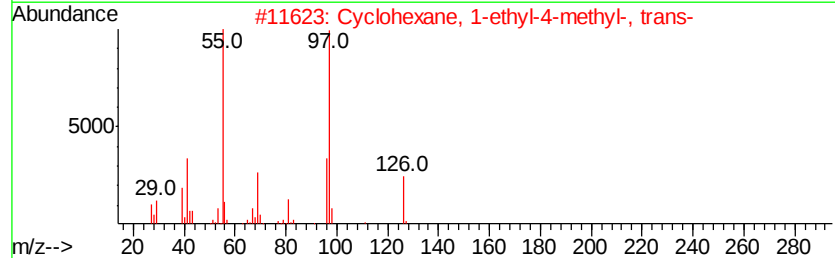
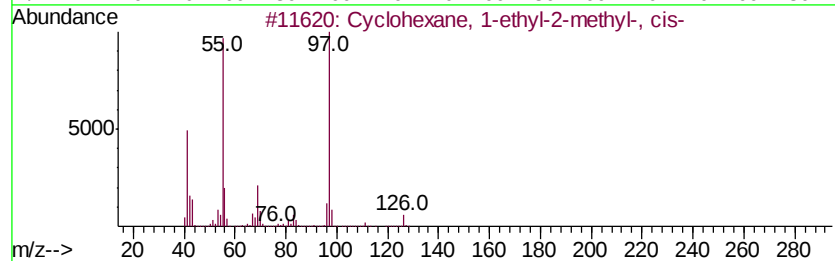
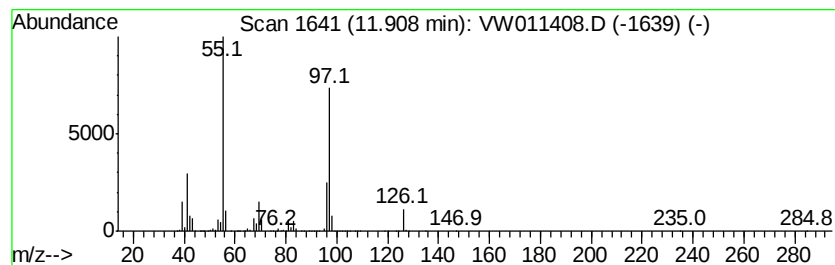
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Quant Title : SW846 8260

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

Peak Number 3 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	163.32 ug/l	3221920	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	80
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	80
3		1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	74
4		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
5		3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	68



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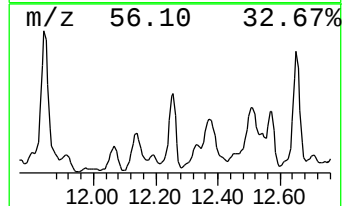
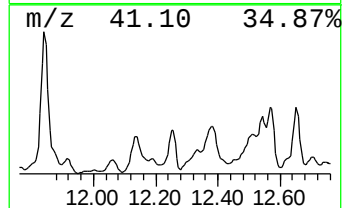
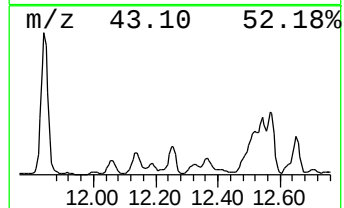
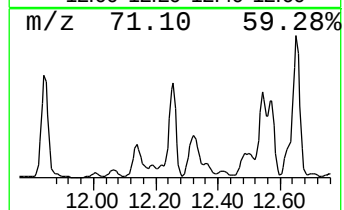
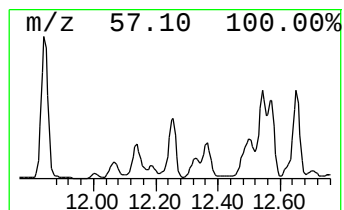
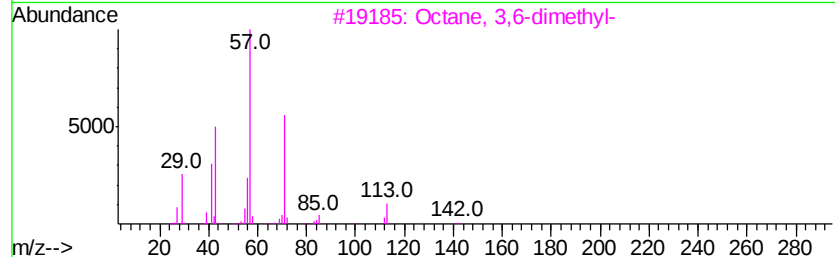
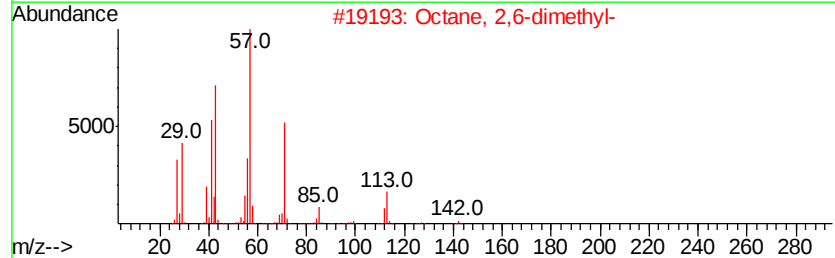
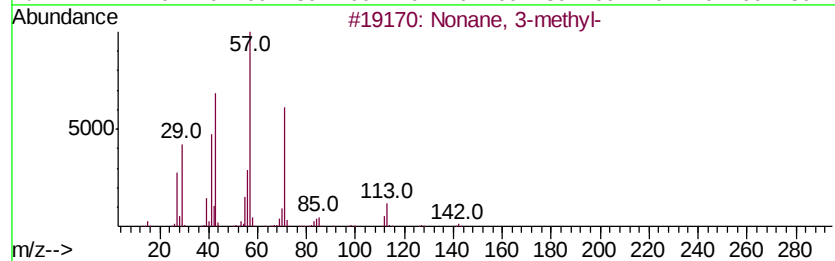
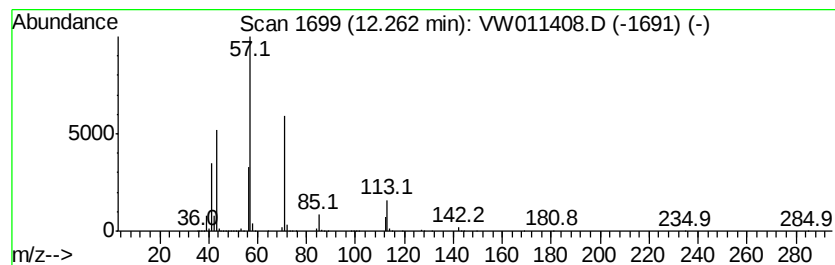
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Quant Title : SW846 8260

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

Peak Number 4 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	365.07 ug/l	7201840	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
4		Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	72
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

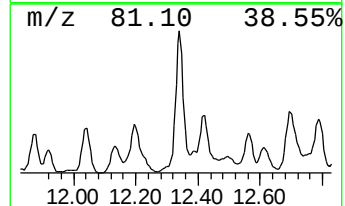
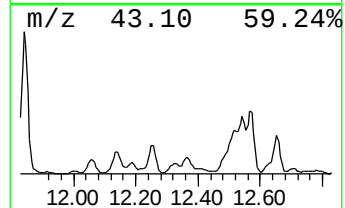
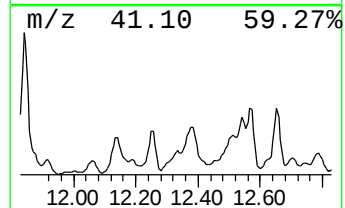
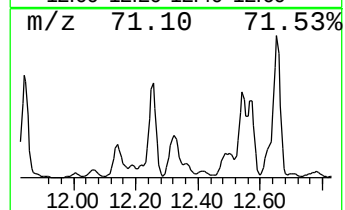
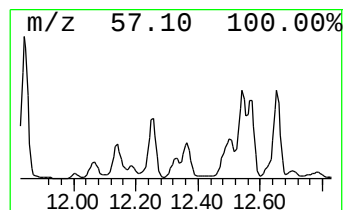
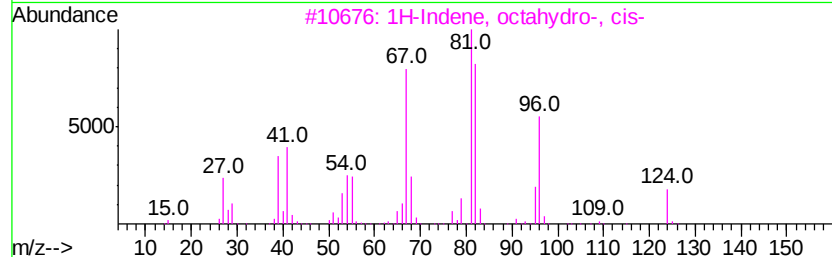
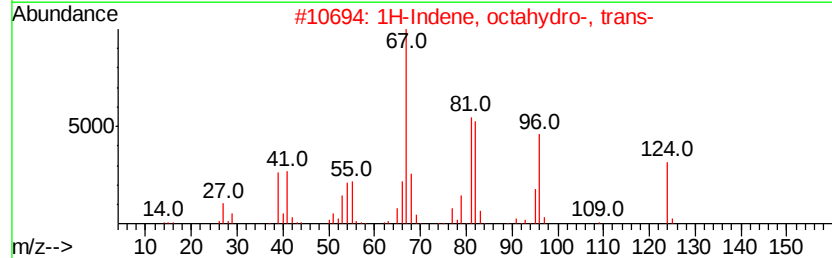
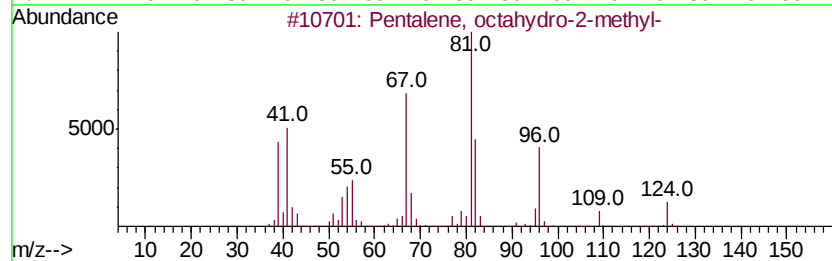
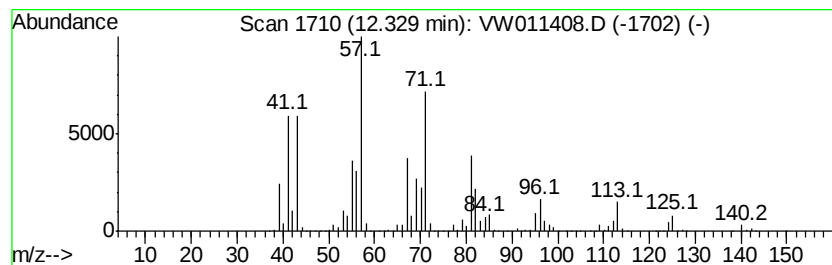
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Quant Title : SW846 8260

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

Peak Number 5 Pentalene, octahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	330.61 ug/l	6522170	Chlorobenzene-d5	11.63

Hit# of	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	86
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46
3	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
4	Cyclopentene, 1-(3-methylbutyl)-	138	C10H18	037689-15-9	35
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

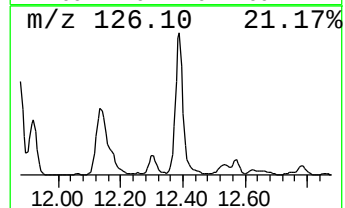
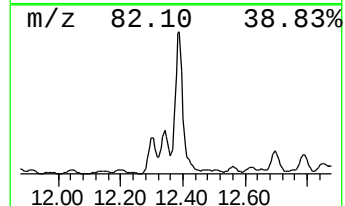
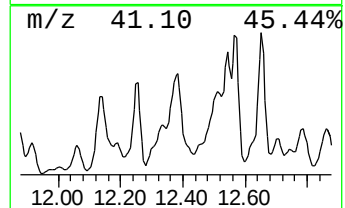
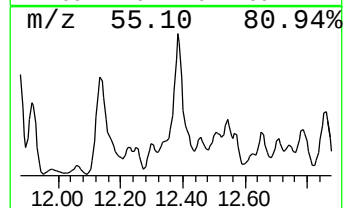
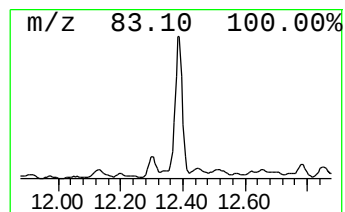
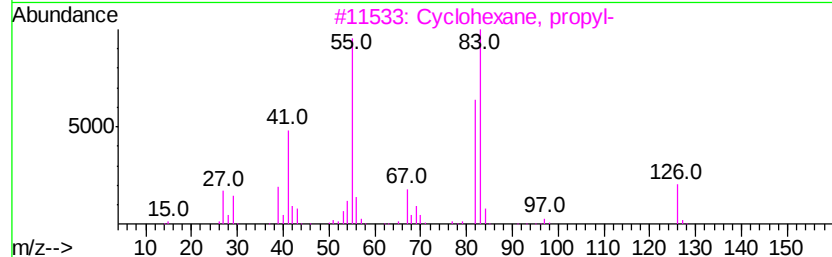
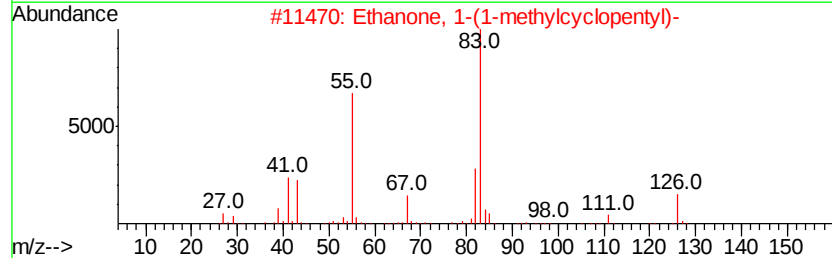
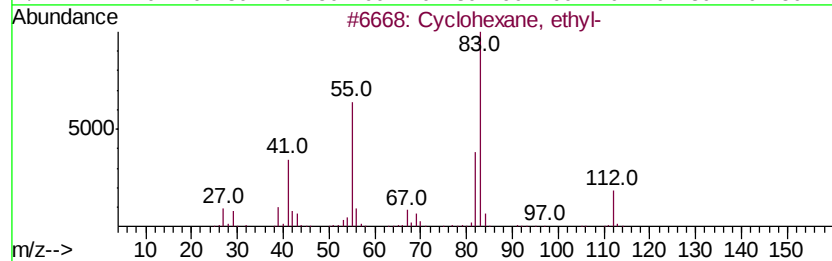
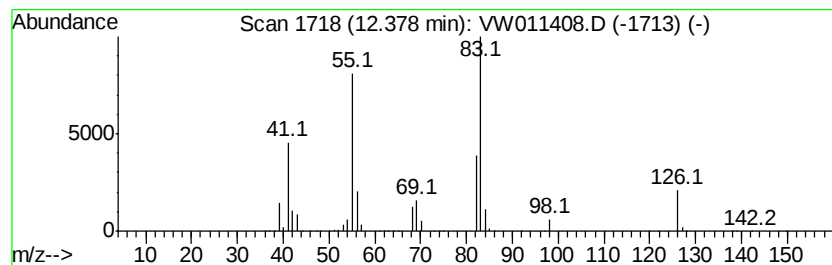
Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.38	641.02 ug/l	12645800	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, ethyl-	112	C8H16	001678-91-7	72
2		Ethanone, 1-(1-methylcvclopentyl)-	126	C8H14O	013388-93-7	64
3		Cvclohexane, propyl-	126	C9H18	001678-92-8	59
4		Cvclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
5		Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

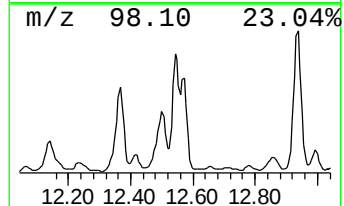
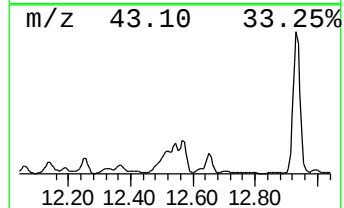
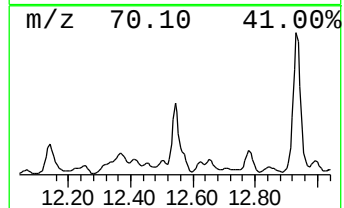
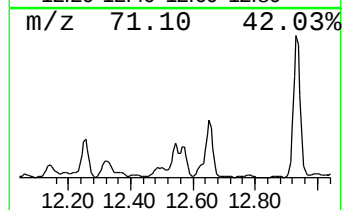
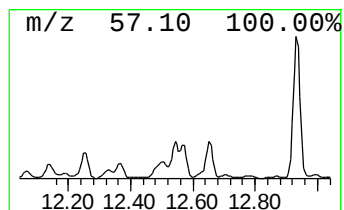
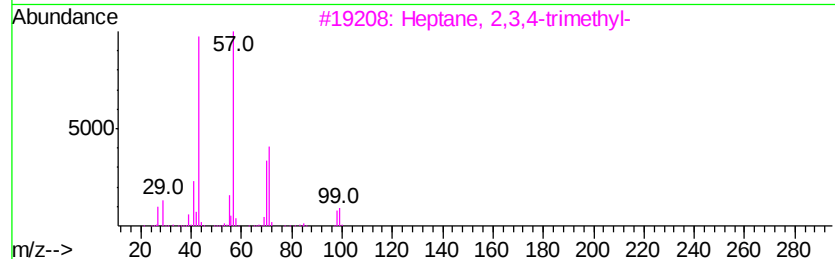
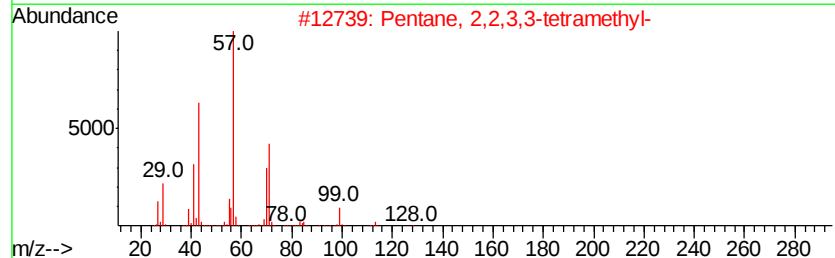
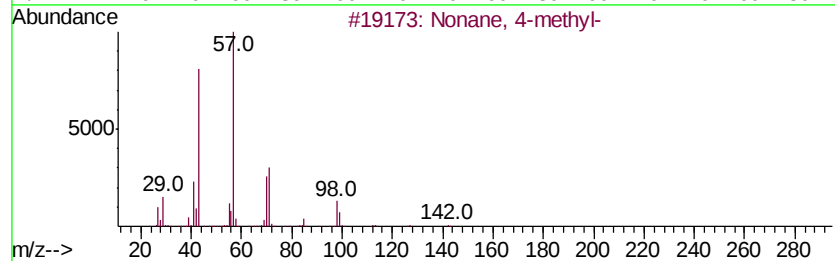
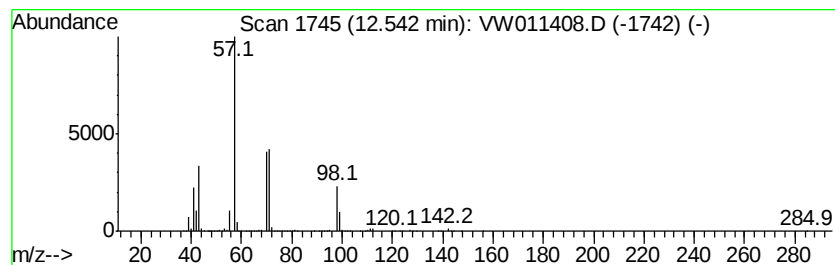
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Quant Title : SW846 8260

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

Peak Number 7 Nonane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	467.88 ug/l	9230030	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4-methyl-	142	C10H22	017301-94-9	86
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3		Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	50
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	47
5		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	45



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
HR-06-071719-C

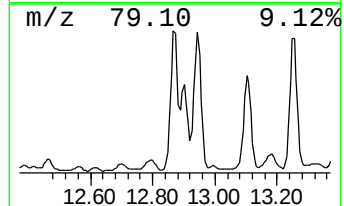
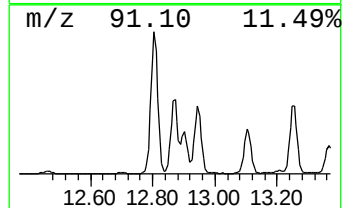
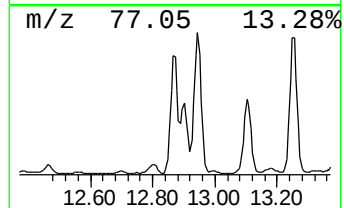
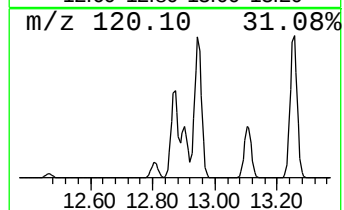
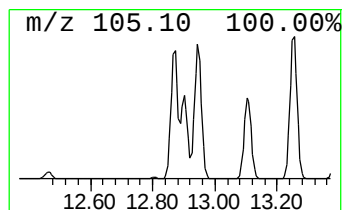
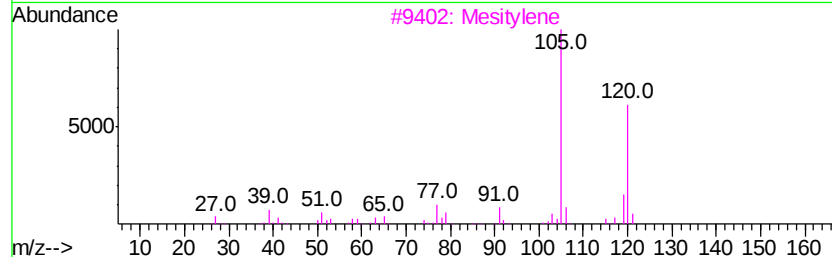
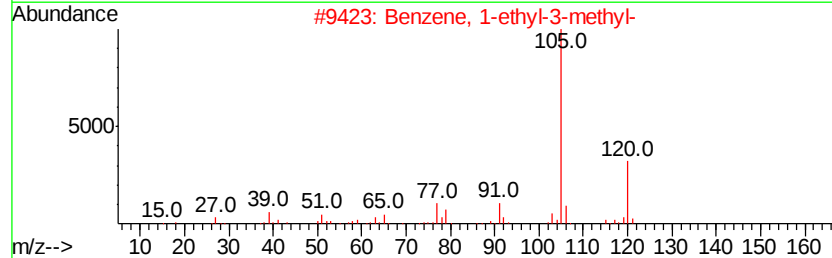
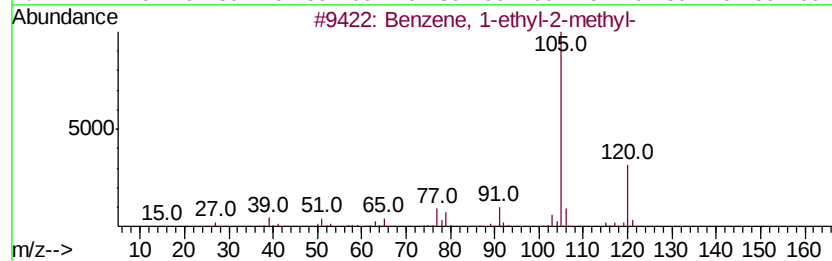
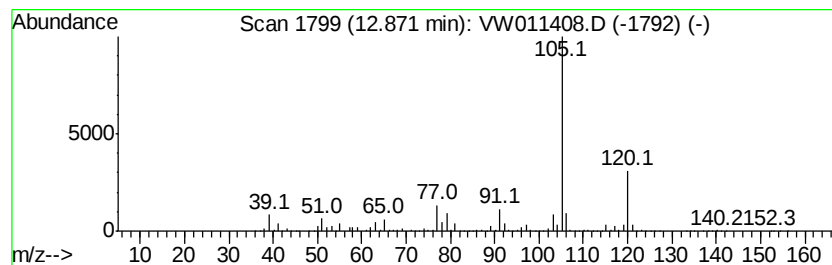
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	143.53 ug/l	19908200	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3		Mesitylene	120	C9H12	000108-67-8	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

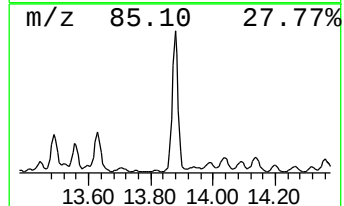
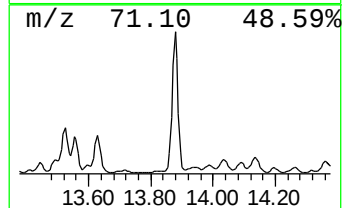
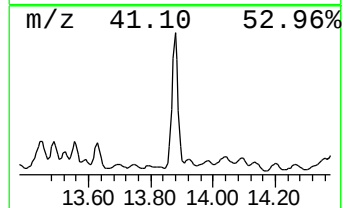
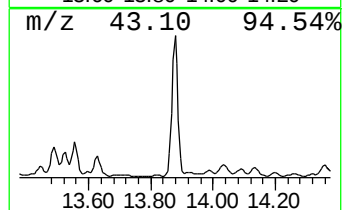
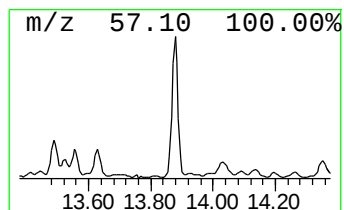
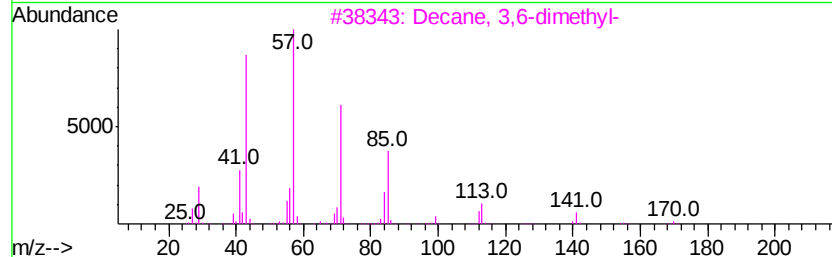
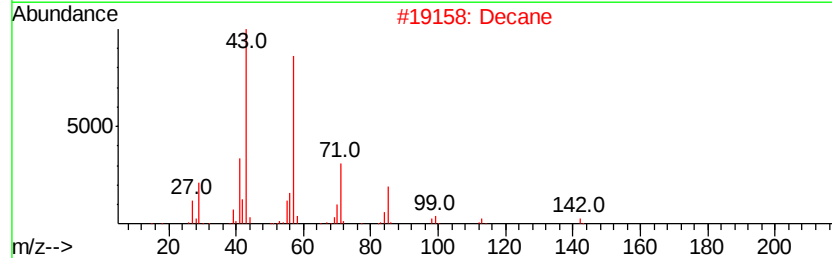
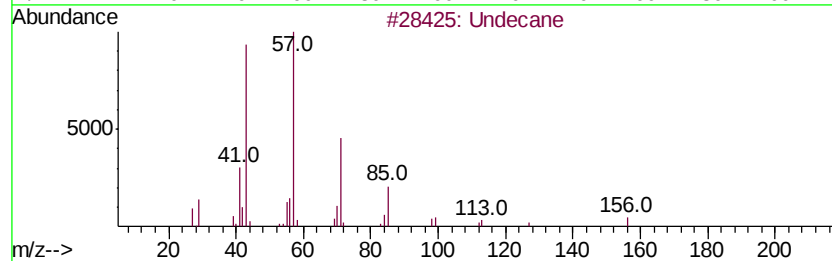
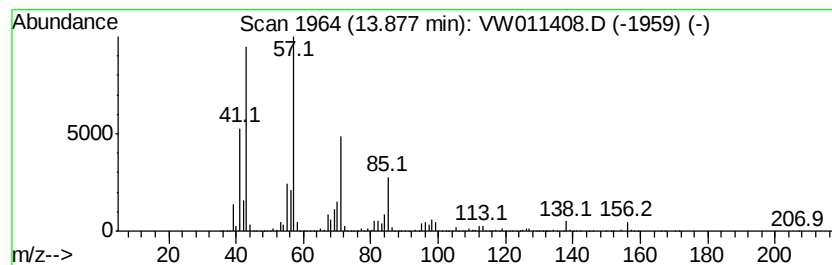
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Quant Title : SW846 8260

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

Peak Number 10 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	287.50 ug/l	39877800	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	87
2		Decane	142	C10H22	000124-18-5	80
3		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	76
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	64
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072019\
Data File : VW011408.D
Acq On : 20 Jul 2019 07:03
Operator : SY/VA
Sample : K3615-05
Misc : 6.30G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
HR-06-071719-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.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
Octane, 2-methyl-	11.41	321.8	ug/l	6348720	3	11.63	986376	50.0
Octane, 3-methyl-	11.51	178.4	ug/l	3518590	3	11.63	986376	50.0
Cyclohexane, 1-et...	11.91	163.3	ug/l	3221920	3	11.63	986376	50.0
Nonane, 3-methyl-	12.26	365.1	ug/l	7201840	3	11.63	986376	50.0
Pentalene, octahy...	12.33	330.6	ug/l	6522170	3	11.63	986376	50.0
Cyclohexane, ethyl-	12.38	641.0	ug/l	12645800	3	11.63	986376	50.0
Nonane, 4-methyl-	12.54	467.9	ug/l	9230030	3	11.63	986376	50.0
Benzene, 1-ethyl-...	12.87	143.5	ug/l	19908200	4	13.56	6935220	50.0
Undecane	13.88	287.5	ug/l	39877800	4	13.56	6935220	50.0