

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007286.D
 Acq On : 06 Dec 2018 18:43
 Operator : SY/AP
 Sample : J6248-05
 Misc : 5.66G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 4UST-SW-5

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\82W120418S.M
 Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.147	849	860	871	rBV	8153	23182	4.39%	0.276%
2	7.891	971	982	986	rBV	41271	96706	18.32%	1.151%
3	7.952	986	992	1004	rVB	120324	263561	49.93%	3.137%
4	8.311	1031	1051	1059	rBV	41630	100378	19.02%	1.195%
5	8.848	1130	1139	1149	rBV	158330	313861	59.46%	3.736%
6	10.329	1374	1382	1390	rBV	183319	335697	63.60%	3.996%
7	10.713	1439	1445	1450	rBV	13721	32080	6.08%	0.382%
8	10.939	1476	1482	1489	rVB	5779	10698	2.03%	0.127%
9	11.067	1493	1503	1508	rBV2	22119	41068	7.78%	0.489%
10	11.231	1525	1530	1536	rBV	23124	41422	7.85%	0.493%
11	11.341	1543	1548	1552	rBV4	9017	14567	2.76%	0.173%
12	11.439	1559	1564	1571	rVB2	27293	50930	9.65%	0.606%
13	11.512	1571	1576	1580	rBV2	7326	13539	2.56%	0.161%
14	11.634	1589	1596	1605	rBV	219702	380294	72.04%	4.526%
15	11.768	1613	1618	1621	rBV2	15717	26056	4.94%	0.310%
16	11.823	1621	1627	1631	rBV2	18816	36699	6.95%	0.437%
17	11.878	1631	1636	1641	rBV	32090	56835	10.77%	0.676%
18	11.981	1648	1653	1655	rBV3	15906	26914	5.10%	0.320%
19	12.067	1660	1667	1671	rVB4	22172	45547	8.63%	0.542%
20	12.140	1671	1679	1685	rBV3	98769	225902	42.80%	2.689%
21	12.195	1685	1688	1691	rVV3	12184	17447	3.31%	0.208%
22	12.256	1691	1698	1703	rVB	138928	238849	45.25%	2.843%
23	12.365	1703	1716	1723	rBV5	153112	510904	96.79%	6.081%
24	12.457	1728	1731	1734	rBV3	20694	24424	4.63%	0.291%
25	12.506	1737	1739	1752	rVB9	58616	180108	34.12%	2.144%
26	12.621	1752	1758	1763	rVB2	188771	313283	59.35%	3.729%
27	12.707	1763	1772	1776	rBV6	60399	153783	29.13%	1.830%
28	12.786	1780	1785	1791	rVB2	193054	364574	69.07%	4.339%
29	12.865	1791	1798	1802	rBV6	99144	226277	42.87%	2.693%
30	12.945	1803	1811	1817	rBV7	170599	477350	90.43%	5.682%
31	13.085	1830	1834	1838	rBV3	108910	151667	28.73%	1.805%
32	13.133	1838	1842	1844	rBV3	80820	128232	24.29%	1.526%
33	13.170	1844	1848	1856	rVB	329352	527859	100.00%	6.283%
34	13.262	1861	1863	1866	rVV4	54280	68681	13.01%	0.817%

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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Integration Parameters: RTEINT.P

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35	13.298	1866	1869	1874	rVV	87091	130841	24.79%	1.557%
36	13.347	1874	1877	1881	rVV3	73028	110111	20.86%	1.311%
37	13.383	1881	1883	1886	rVV3	35715	35276	6.68%	0.420%
38	13.451	1886	1894	1898	rVV6	124401	282190	53.46%	3.359%
39	13.487	1898	1900	1905	rVB3	84294	104494	19.80%	1.244%
40	13.560	1908	1912	1917	rBV	189190	286809	54.33%	3.414%
41	13.700	1930	1935	1940	rBV6	63634	126040	23.88%	1.500%
42	13.883	1959	1965	1969	rBV2	237763	402698	76.29%	4.793%
43	13.926	1969	1972	1977	rVB3	50232	71154	13.48%	0.847%
44	13.987	1978	1982	1985	rBV4	54843	92638	17.55%	1.103%
45	14.097	1997	2000	2005	rVB	76401	110790	20.99%	1.319%
46	14.206	2013	2018	2023	rVB6	52257	93314	17.68%	1.111%
47	14.267	2024	2028	2035	rVB7	46266	95295	18.05%	1.134%
48	14.341	2035	2040	2044	rBV5	25896	64363	12.19%	0.766%
49	14.389	2044	2048	2052	rBV2	99978	159671	30.25%	1.900%
50	14.463	2057	2060	2064	rVV	57345	77690	14.72%	0.925%
51	14.505	2064	2067	2070	rVV3	32025	44595	8.45%	0.531%
52	14.554	2071	2075	2081	rVB5	70176	116147	22.00%	1.382%
53	14.706	2096	2100	2102	rBV4	9570	18891	3.58%	0.225%
54	14.737	2103	2105	2110	rVV3	25114	36235	6.86%	0.431%
55	14.798	2110	2115	2121	rVV2	87074	173159	32.80%	2.061%
56	14.859	2122	2125	2131	rVB4	29742	56156	10.64%	0.668%
57	14.962	2138	2142	2147	rVB	41142	63209	11.97%	0.752%
58	15.078	2157	2161	2164	rBV5	14019	19075	3.61%	0.227%
59	15.176	2173	2177	2184	rVB3	16215	36184	6.85%	0.431%
60	15.340	2199	2204	2205	rBV5	6173	9506	1.80%	0.113%
61	15.377	2205	2210	2215	rVB	26619	45503	8.62%	0.542%
62	15.664	2250	2257	2264	rBV	2816	9679	1.83%	0.115%
63	16.450	2380	2386	2392	rBV2	4615	10693	2.03%	0.127%

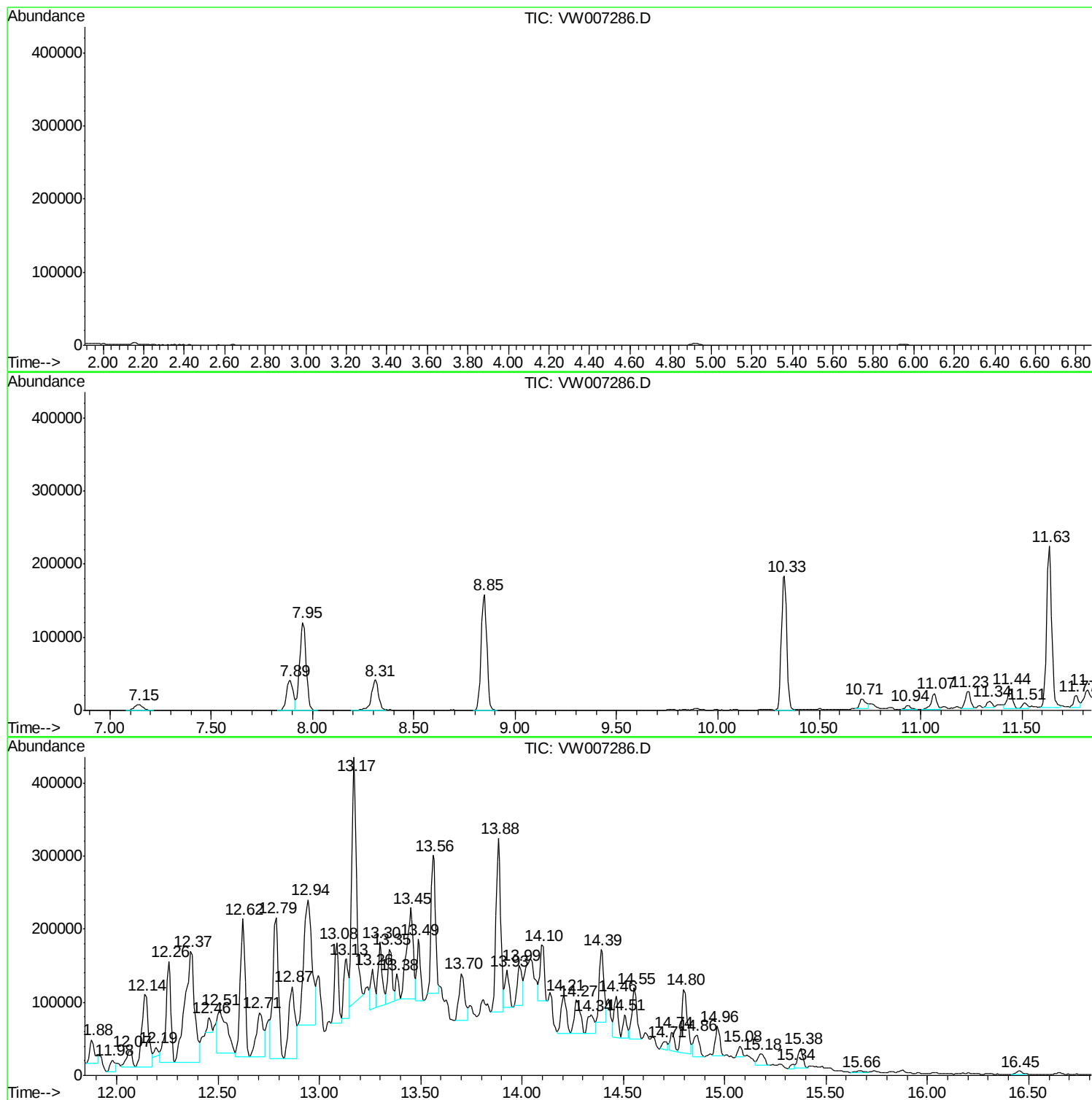
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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



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ClientSampleId :
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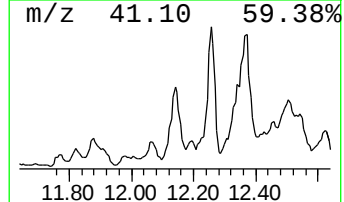
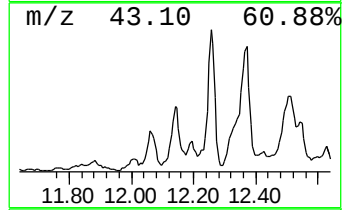
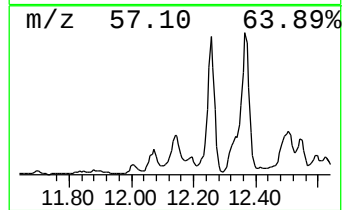
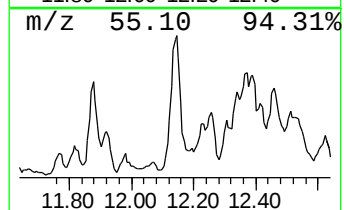
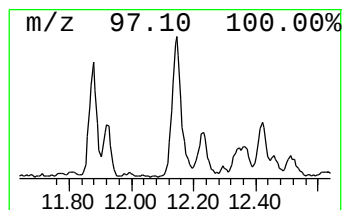
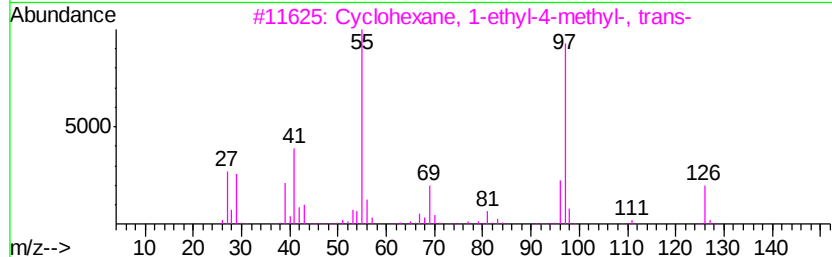
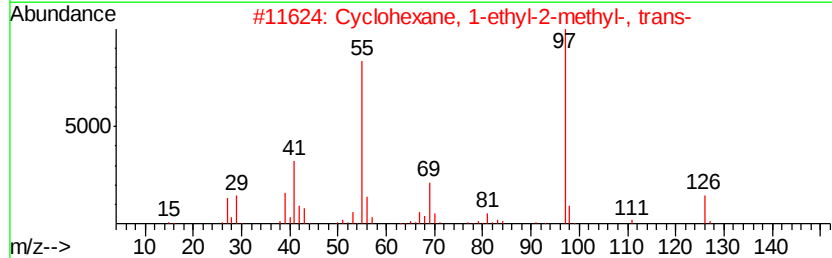
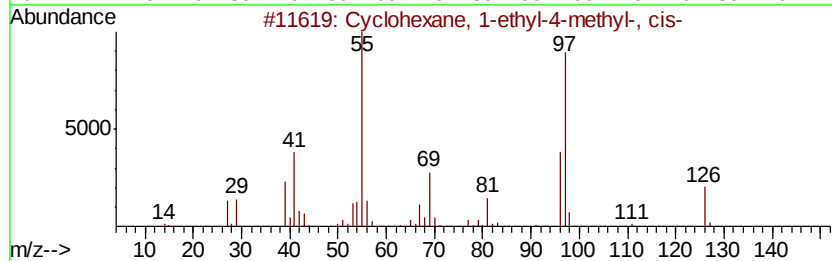
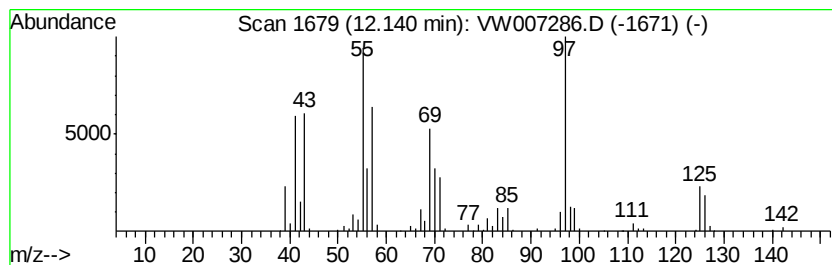
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 1 unknown12.14 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	29.70 ug/l	225902	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	46
2		Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	46
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	46
4		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	43
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	43



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ALS Vial : 7 Sample Multiplier: 1

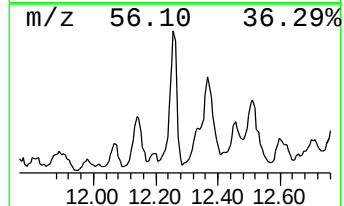
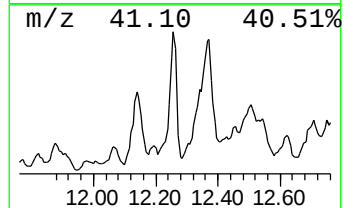
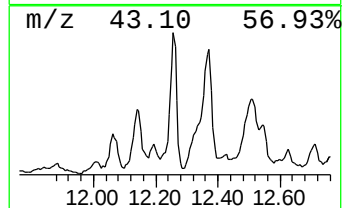
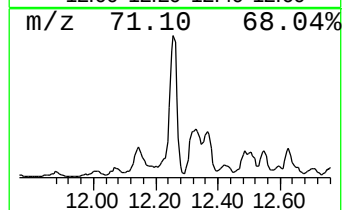
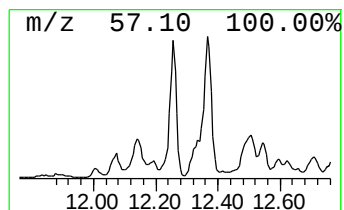
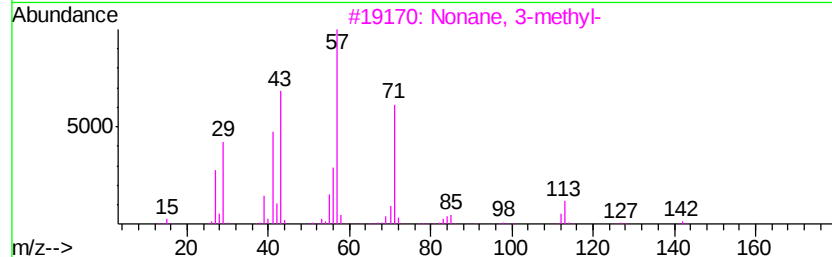
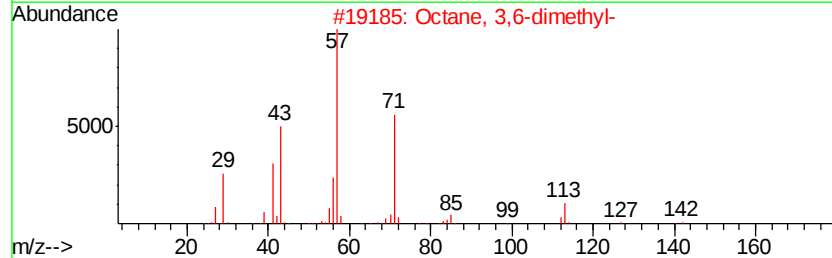
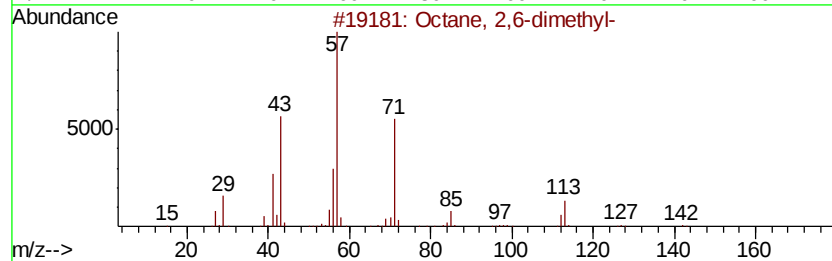
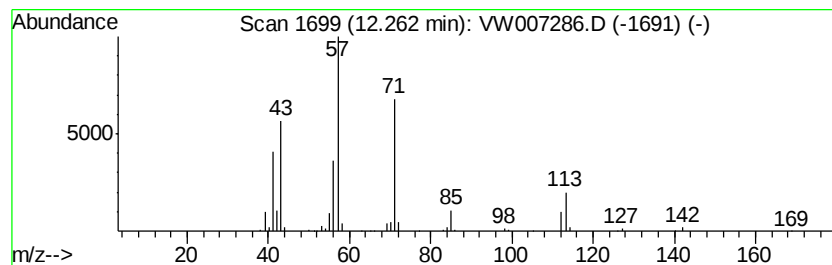
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.26	31.40 ug/l	238849	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94	
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91	
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91	
4	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72	
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	64	



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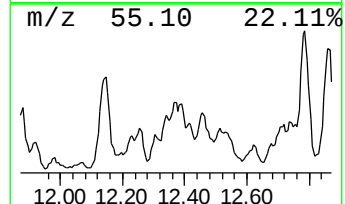
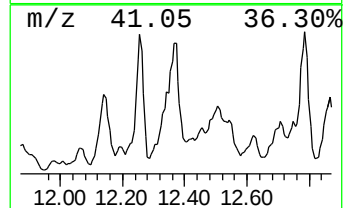
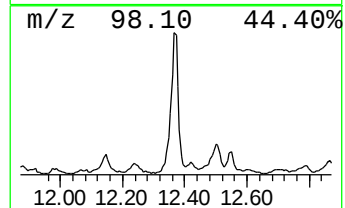
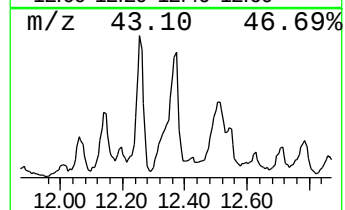
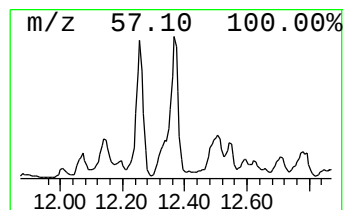
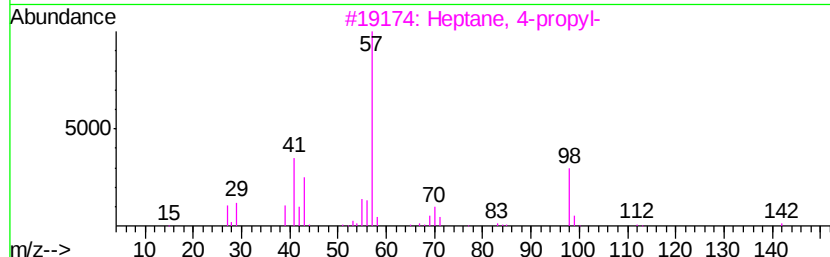
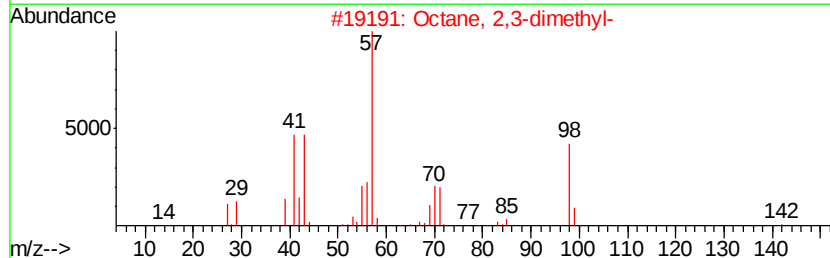
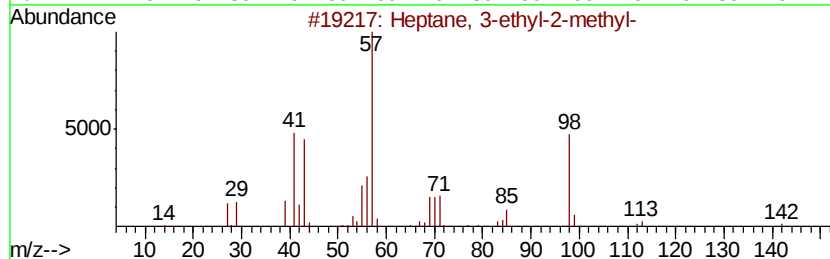
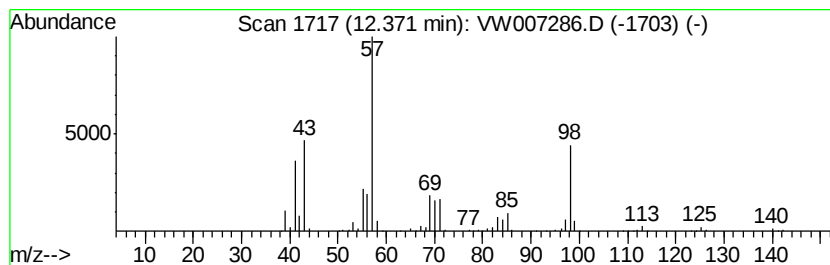
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	67.17 ug/l	510904	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	80
2		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	59
3		Heptane, 4-propyl-	142	C10H22	003178-29-8	47
4		Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	43
5		Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	40



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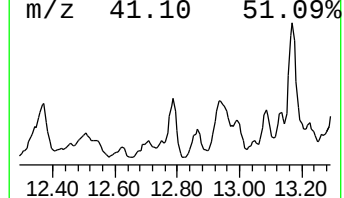
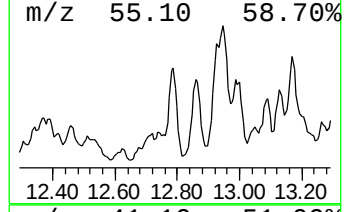
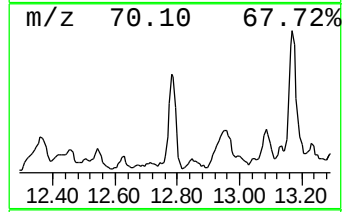
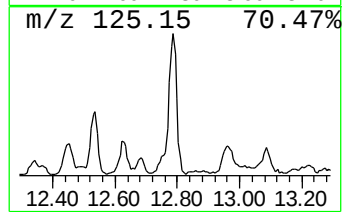
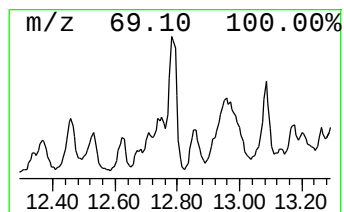
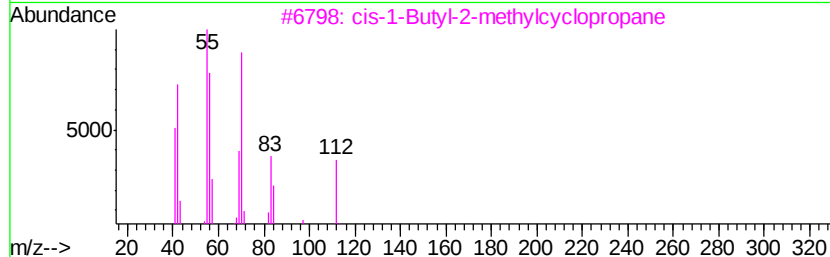
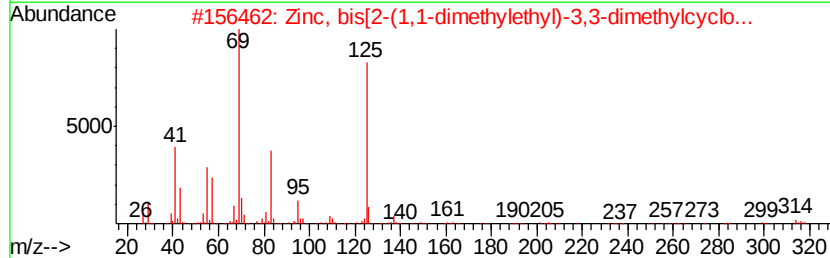
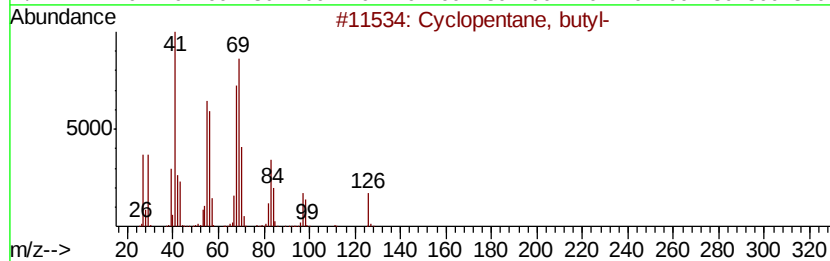
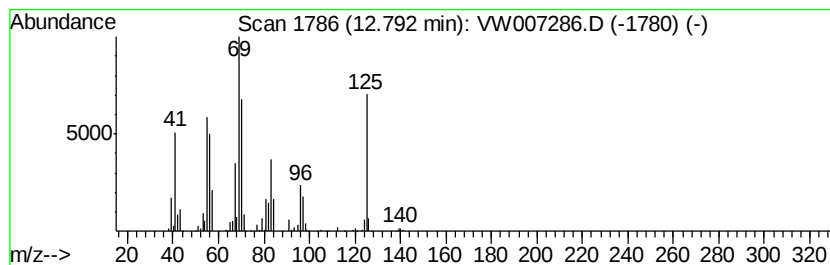
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Cyclopentane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	63.56 ug/l	364574	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, butyl-	126	C9H18	002040-95-1	55
2		Zinc, bis[2-(1,1-dimethylethyl)-...	314	C18H34Zn	074793-36-5	47
3		cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4		trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	46
5		Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	43



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ClientSampleId :
4UST-SW-5

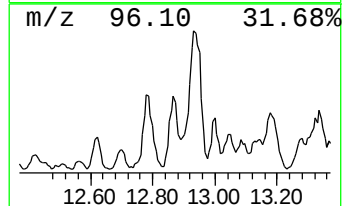
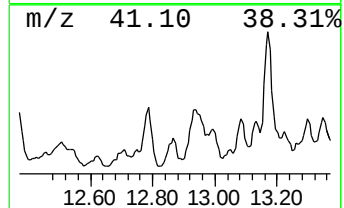
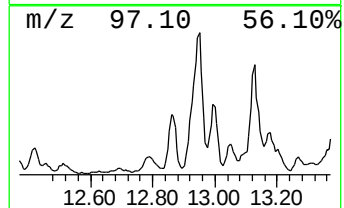
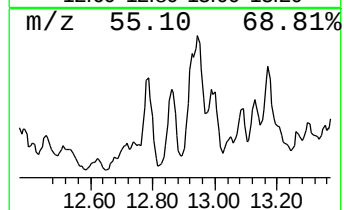
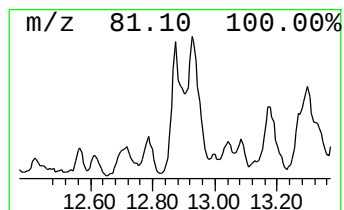
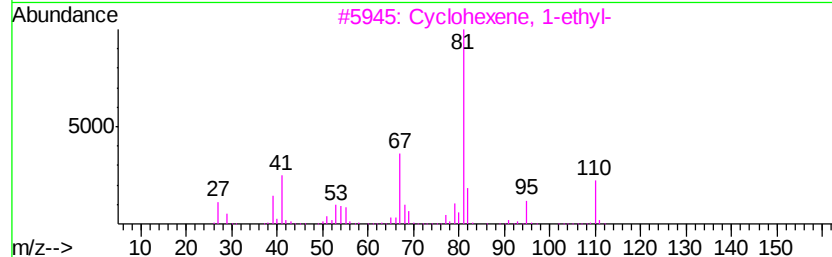
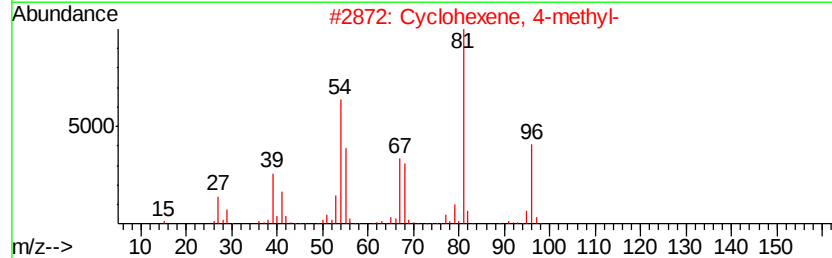
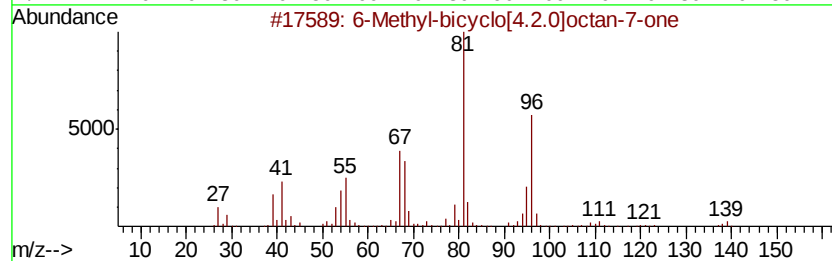
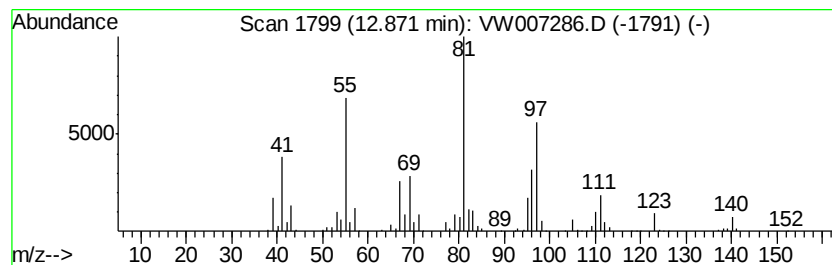
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Quant Title : SW846 8260

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

Peak Number 5 unknown12.87 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	39.45 ug/l	226277	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1000193-87-2	49
2		Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
3		Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	46
4		Pentalene, octahydro-2,5-dimethyl-	138	C10H18	028588-55-8	38
5		m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007286.D
Acq On : 06 Dec 2018 18:43
Operator : SY/AP
Sample : J6248-05
Misc : 5.66G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

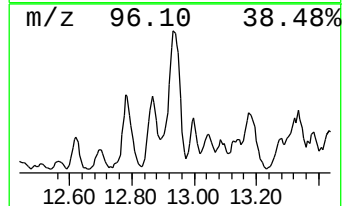
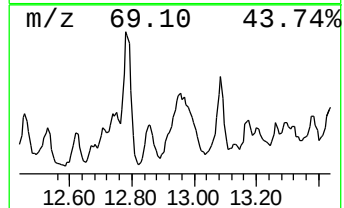
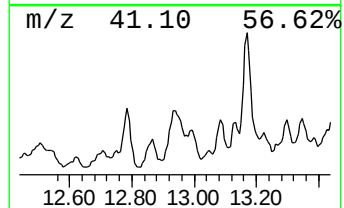
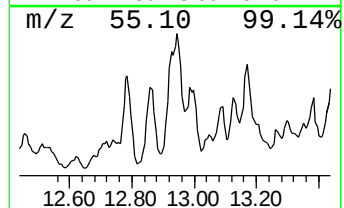
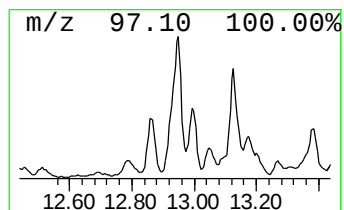
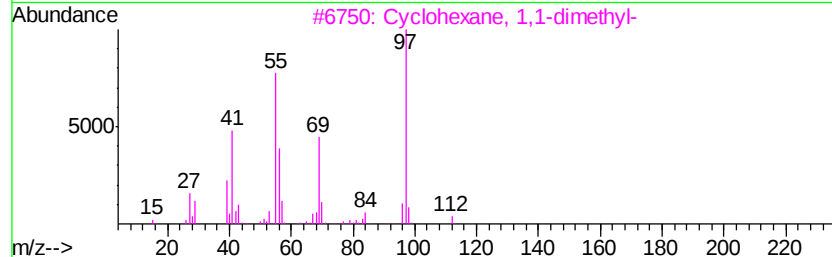
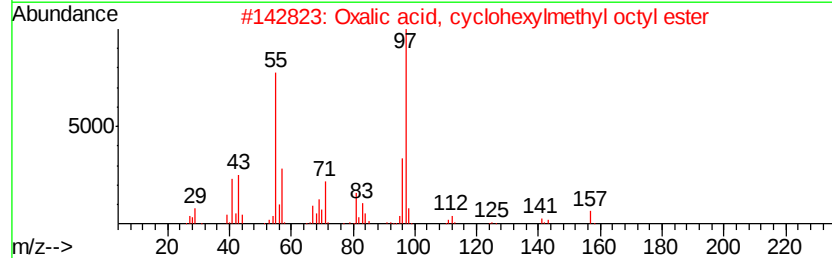
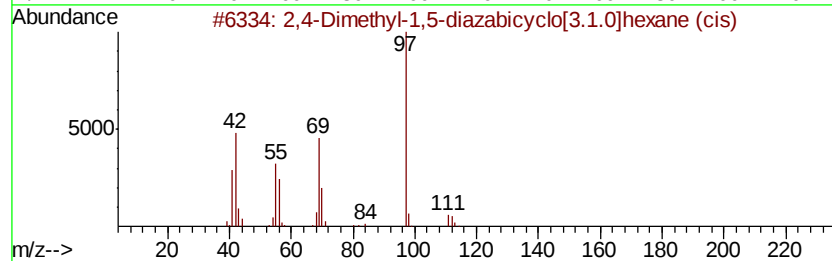
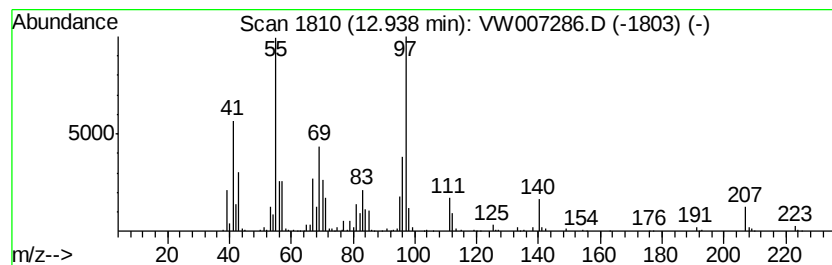
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ClientSampleId :
4UST-SW-5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 6 2,4-Dimethyl-1,5-diazabicyc... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	83.22 ug/l	477350	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,4-Dimethyl-1,5-diazabicyclo[3.1.0]hexane (cis)	112 C6H12N2	100463-01-2	52
2	Oxalic acid, cyclohexylmethyl octyl ester	298 C17H30O4	1000309-68-4	50
3	Cyclohexane, 1,1-dimethyl-	112 C8H16	000590-66-9	49
4	3-Heptene, 4-propyl-	140 C10H20	004485-13-6	49
5	Cyclohexane, 1-methyl-4-(1-methyl-4-oxo-4-phenylbut-3-en-1-yl)-	140 C10H20	001678-82-6	43



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007286.D
Acq On : 06 Dec 2018 18:43
Operator : SY/AP
Sample : J6248-05
Misc : 5.66G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

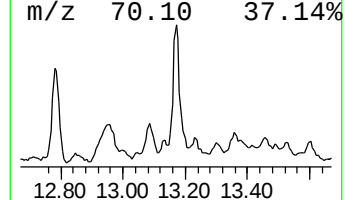
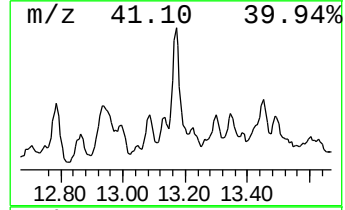
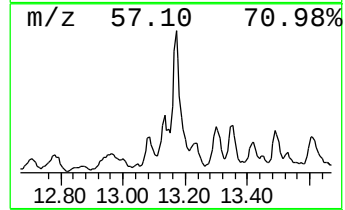
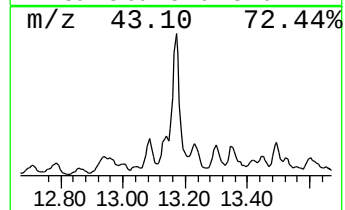
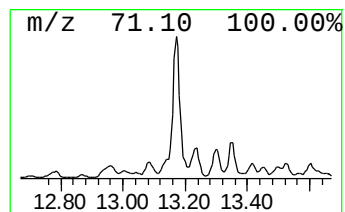
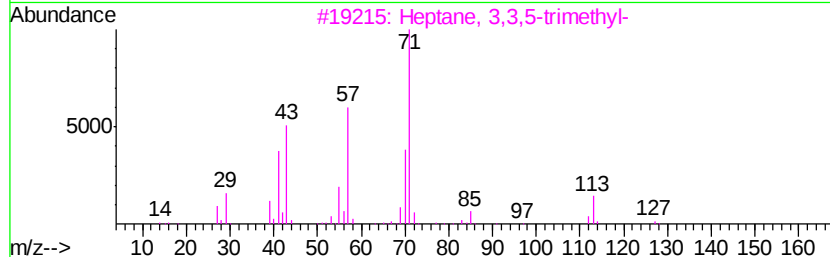
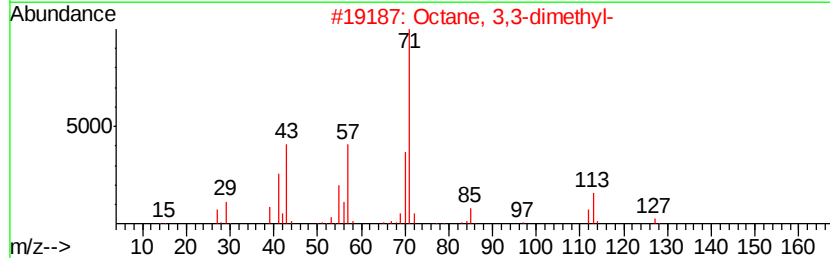
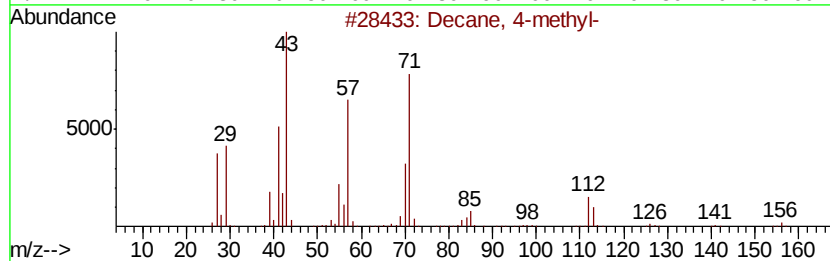
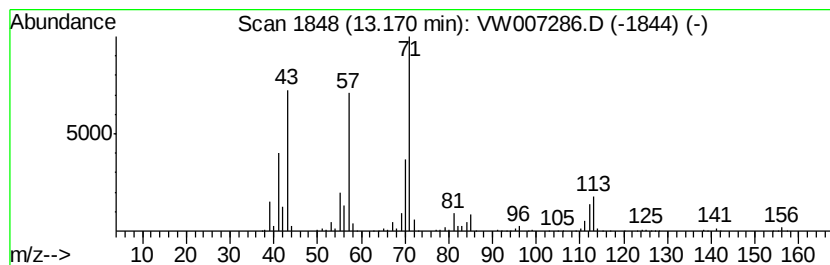
Instrument :
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ClientSampleId :
4UST-SW-5

Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260

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

Peak Number 7 Decane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	92.02 ug/l	527859	1,4-Dichlorobenzene-d4	13.57
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 4-methyl-	156 C11H24	002847-72-5	83
2	Octane, 3,3-dimethyl-	142 C10H22	004110-44-5	72
3	Heptane, 3,3,5-trimethyl-	142 C10H22	007154-80-5	72
4	Sulfurous acid, octyl 2-pentyl e...	264 C13H28O3S	1000309-15-7	64
5	Octane, 2-bromo-	192 C8H17Br	000557-35-7	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007286.D
Acq On : 06 Dec 2018 18:43
Operator : SY/AP
Sample : J6248-05
Misc : 5.66G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-5

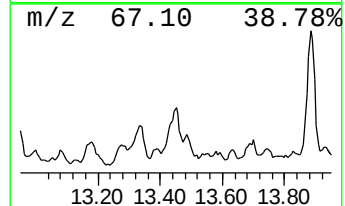
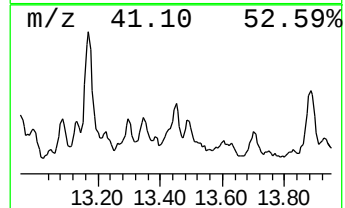
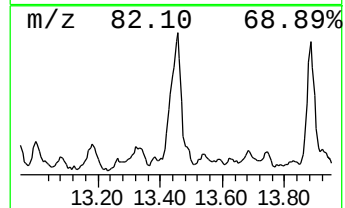
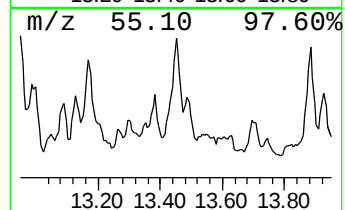
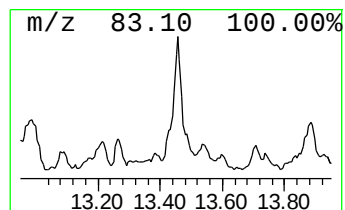
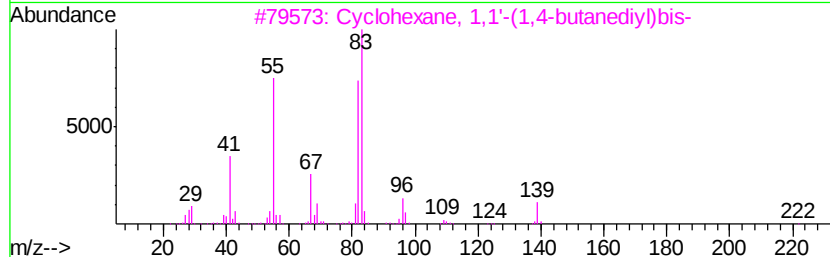
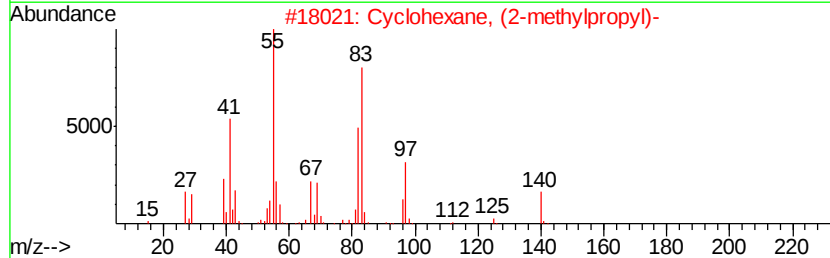
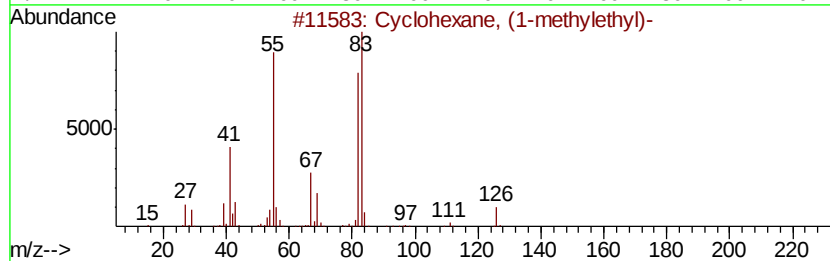
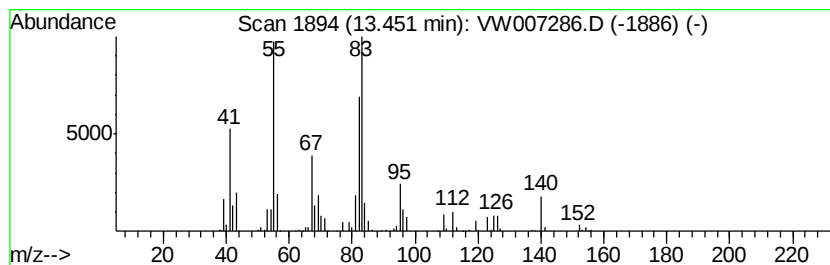
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, (1-methylethyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	49.19 ug/l	282190	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
2		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
3		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	64
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	62
5		Cyclohexane, pentyl-	154	C11H22	004292-92-6	58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007286.D
Acq On : 06 Dec 2018 18:43
Operator : SY/AP
Sample : J6248-05
Misc : 5.66G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-5

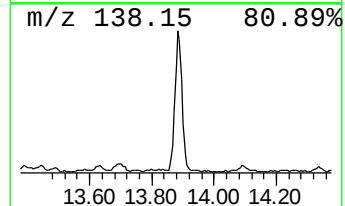
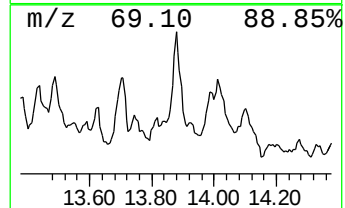
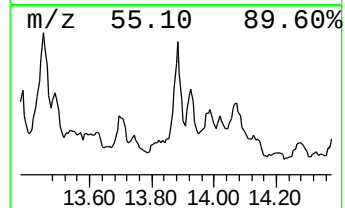
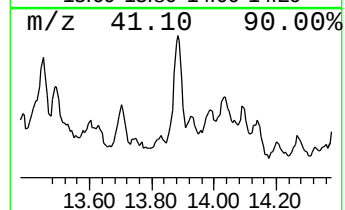
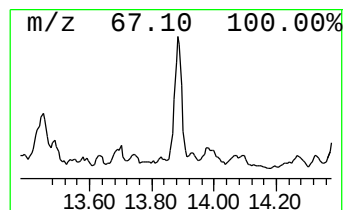
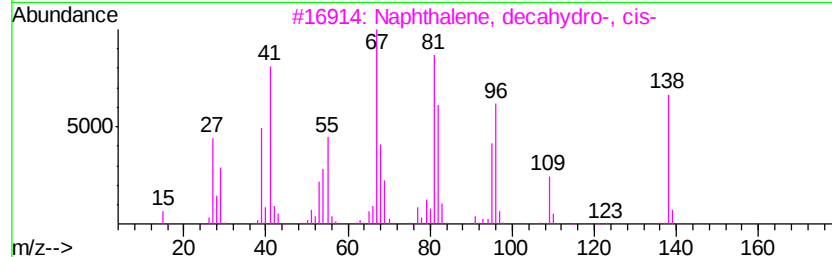
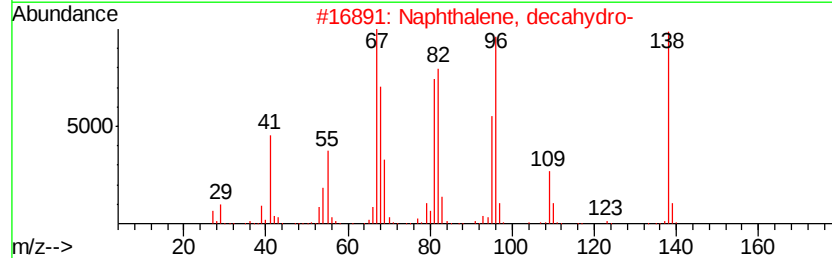
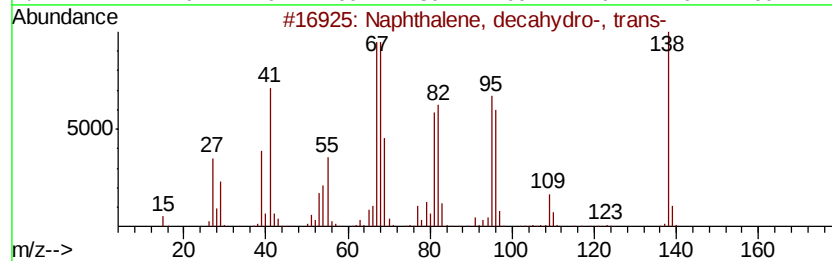
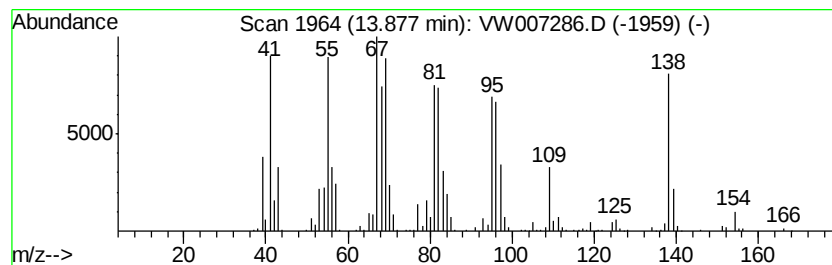
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	70.20 ug/l	402698	1,4-Dichlorobenzene-d4	13.57

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	96
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	90
4		Cyclodecene	138	C10H18	003618-12-0	83
5		Spiro[4.5]decane	138	C10H18	000176-63-6	81



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007286.D
Acq On : 06 Dec 2018 18:43
Operator : SY/AP
Sample : J6248-05
Misc : 5.66G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
4UST-SW-5

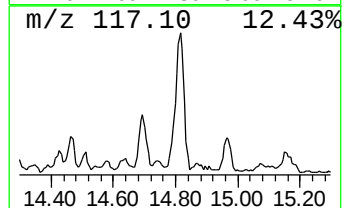
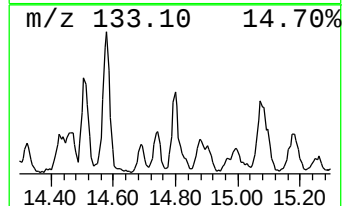
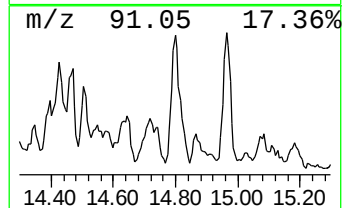
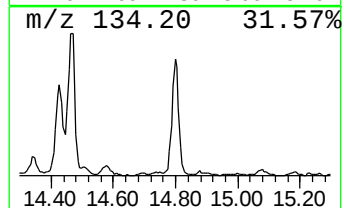
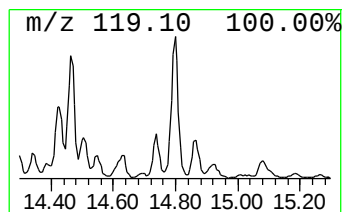
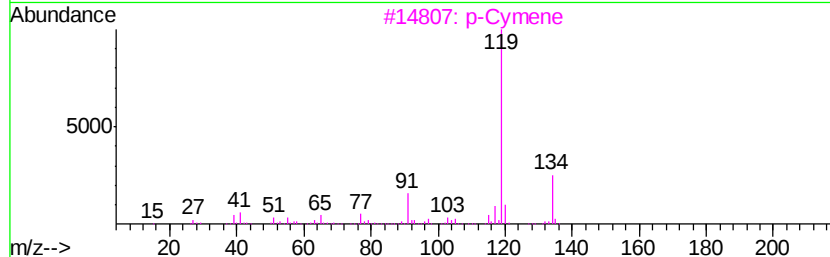
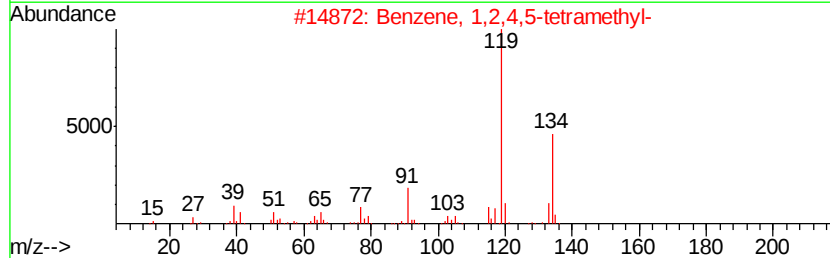
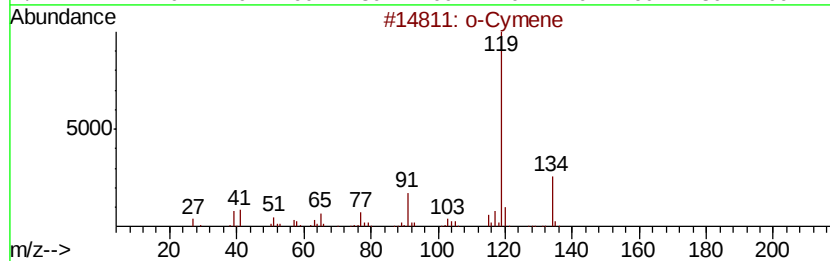
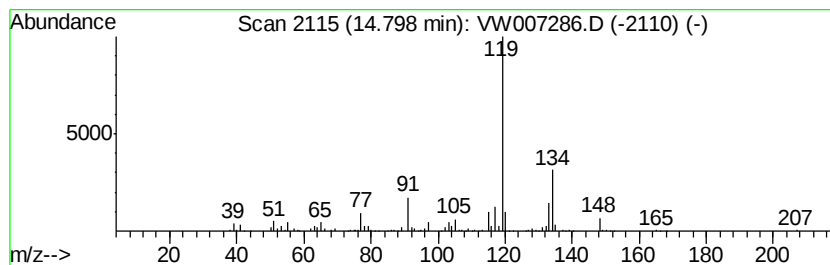
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Quant Title : SW846 8260

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

Peak Number 10 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	30.19 ug/l	173159	1,4-Dichlorobenzene-d4	13.57

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		o-Cymene	134	C10H14	000527-84-4	95
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3		p-Cymene	134	C10H14	000099-87-6	93
4		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
5		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW120618\
Data File : VW007286.D
Acq On : 06 Dec 2018 18:43
Operator : SY/AP
Sample : J6248-05
Misc : 5.66G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.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
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Octane, 2,6-dimet...	12.26	31.4	ug/l	238849	3	11.63	380294	50.0
Heptane, 3-ethyl-...	12.37	67.2	ug/l	510904	3	11.63	380294	50.0
Cyclopentane, butyl-	12.79	63.6	ug/l	364574	4	13.57	286809	50.0
unknown12.87	12.87	39.5	ug/l	226277	4	13.57	286809	50.0
2,4-Dimethyl-1,5-...	12.94	83.2	ug/l	477350	4	13.57	286809	50.0
Decane, 4-methyl-	13.17	92.0	ug/l	527859	4	13.57	286809	50.0
Cyclohexane, (1-m...	13.45	49.2	ug/l	282190	4	13.57	286809	50.0
Naphthalene, deca...	13.88	70.2	ug/l	402698	4	13.57	286809	50.0
o-Cymene	14.80	30.2	ug/l	173159	4	13.57	286809	50.0