

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010513.D
 Acq On : 22 May 2019 16:32
 Operator : SY/VA
 Sample : K3002-06
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 22-C4-20190401

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	1.953	5	8	21	rVB2	3312	8122	1.08%	0.107%
2	2.642	115	121	131	rBV5	4400	11775	1.57%	0.155%
3	5.940	653	662	676	rVB2	5198	15896	2.12%	0.209%
4	7.885	969	981	986	rBV	99783	238250	31.74%	3.135%
5	7.945	986	991	1005	rVB	170933	379775	50.59%	4.997%
6	8.305	1041	1050	1060	rBV	90945	198963	26.50%	2.618%
7	8.842	1129	1138	1149	rBV	264408	517939	68.99%	6.815%
8	10.323	1373	1381	1390	rBV	428001	750725	100.00%	9.878%
9	10.506	1402	1411	1420	rVB3	4837	10376	1.38%	0.137%
10	11.177	1513	1521	1525	rBV2	5656	9238	1.23%	0.122%
11	11.231	1525	1530	1535	rVB	16855	27273	3.63%	0.359%
12	11.433	1552	1563	1571	rVB4	12399	38233	5.09%	0.503%
13	11.512	1571	1576	1582	rBV	8760	14633	1.95%	0.193%
14	11.634	1588	1596	1605	rBV	347458	603201	80.35%	7.937%
15	11.768	1613	1618	1622	rBV	6975	9381	1.25%	0.123%
16	11.841	1622	1630	1639	rBV4	52811	121414	16.17%	1.598%
17	11.914	1639	1642	1648	rVB4	10747	18721	2.49%	0.246%
18	11.975	1648	1652	1657	rBV7	3601	7606	1.01%	0.100%
19	12.061	1659	1666	1671	rVB6	5663	12818	1.71%	0.169%
20	12.140	1671	1679	1690	rBV5	30409	94354	12.57%	1.241%
21	12.250	1690	1697	1702	rVB2	30227	53365	7.11%	0.702%
22	12.341	1702	1712	1713	rBV5	32610	60708	8.09%	0.799%
23	12.451	1727	1730	1734	rBV5	4892	8027	1.07%	0.106%
24	12.542	1735	1745	1748	rVV4	27663	65705	8.75%	0.865%
25	12.621	1752	1758	1767	rBV	286640	490591	65.35%	6.455%
26	12.780	1779	1784	1791	rVB4	77734	145593	19.39%	1.916%
27	12.865	1791	1798	1802	rBV3	37856	80163	10.68%	1.055%
28	12.932	1802	1809	1816	rBV3	243387	464357	61.85%	6.110%
29	13.085	1824	1834	1837	rBV3	38419	78252	10.42%	1.030%
30	13.127	1837	1841	1843	rVV3	28135	49948	6.65%	0.657%
31	13.164	1843	1847	1854	rVV	141320	232227	30.93%	3.056%
32	13.256	1857	1862	1866	rVV	84993	143263	19.08%	1.885%
33	13.292	1866	1868	1872	rVV	21031	31437	4.19%	0.414%
34	13.347	1872	1877	1880	rVV2	23171	35965	4.79%	0.473%

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35	13.384	1880	1883	1886	rVB2	15521	17790	2.37%	0.234%
36	13.451	1886	1894	1897	rBV6	85597	171203	22.81%	2.253%
37	13.487	1897	1900	1903	rVV3	51390	73937	9.85%	0.973%
38	13.524	1903	1906	1907	rVV	24998	29302	3.90%	0.386%
39	13.560	1907	1912	1920	rVB2	374356	706517	94.11%	9.296%
40	13.627	1920	1923	1928	rVB2	37867	49587	6.61%	0.652%
41	13.701	1929	1935	1939	rBV5	36307	63223	8.42%	0.832%
42	13.749	1939	1943	1946	rBV	20879	29173	3.89%	0.384%
43	13.792	1946	1950	1955	rBV2	35626	49851	6.64%	0.656%
44	13.877	1958	1964	1969	rBV2	351150	530444	70.66%	6.979%
45	13.920	1969	1971	1975	rVB2	12637	13889	1.85%	0.183%
46	13.981	1978	1981	1983	rBV3	14108	17611	2.35%	0.232%
47	14.018	1983	1987	1990	rBV3	23407	35419	4.72%	0.466%
48	14.097	1997	2000	2004	rVB	36242	49874	6.64%	0.656%
49	14.207	2013	2018	2023	rVB2	43267	71653	9.54%	0.943%
50	14.261	2023	2027	2035	rVB7	14888	38010	5.06%	0.500%
51	14.347	2035	2041	2044	rBV3	23465	49600	6.61%	0.653%
52	14.389	2044	2048	2052	rVV3	48094	91974	12.25%	1.210%
53	14.426	2052	2054	2057	rVV2	31149	45114	6.01%	0.594%
54	14.463	2057	2060	2064	rVV	42824	56513	7.53%	0.744%
55	14.505	2064	2067	2070	rVV	14930	16590	2.21%	0.218%
56	14.548	2070	2074	2081	rVB3	36631	63363	8.44%	0.834%
57	14.646	2087	2090	2094	rVB3	9134	14126	1.88%	0.186%
58	14.731	2095	2104	2109	rVB4	28331	50921	6.78%	0.670%
59	14.798	2109	2115	2122	rBV2	58351	114372	15.23%	1.505%
60	14.963	2136	2142	2151	rVB	34172	62700	8.35%	0.825%
61	15.072	2155	2160	2163	rBV6	4355	7592	1.01%	0.100%
62	15.182	2172	2178	2186	rVB5	6714	17014	2.27%	0.224%
63	15.371	2205	2209	2213	rVB	7922	12374	1.65%	0.163%
64	15.438	2213	2220	2225	rBV3	6735	13482	1.80%	0.177%
65	16.651	2412	2419	2426	rVB5	3756	8523	1.14%	0.112%

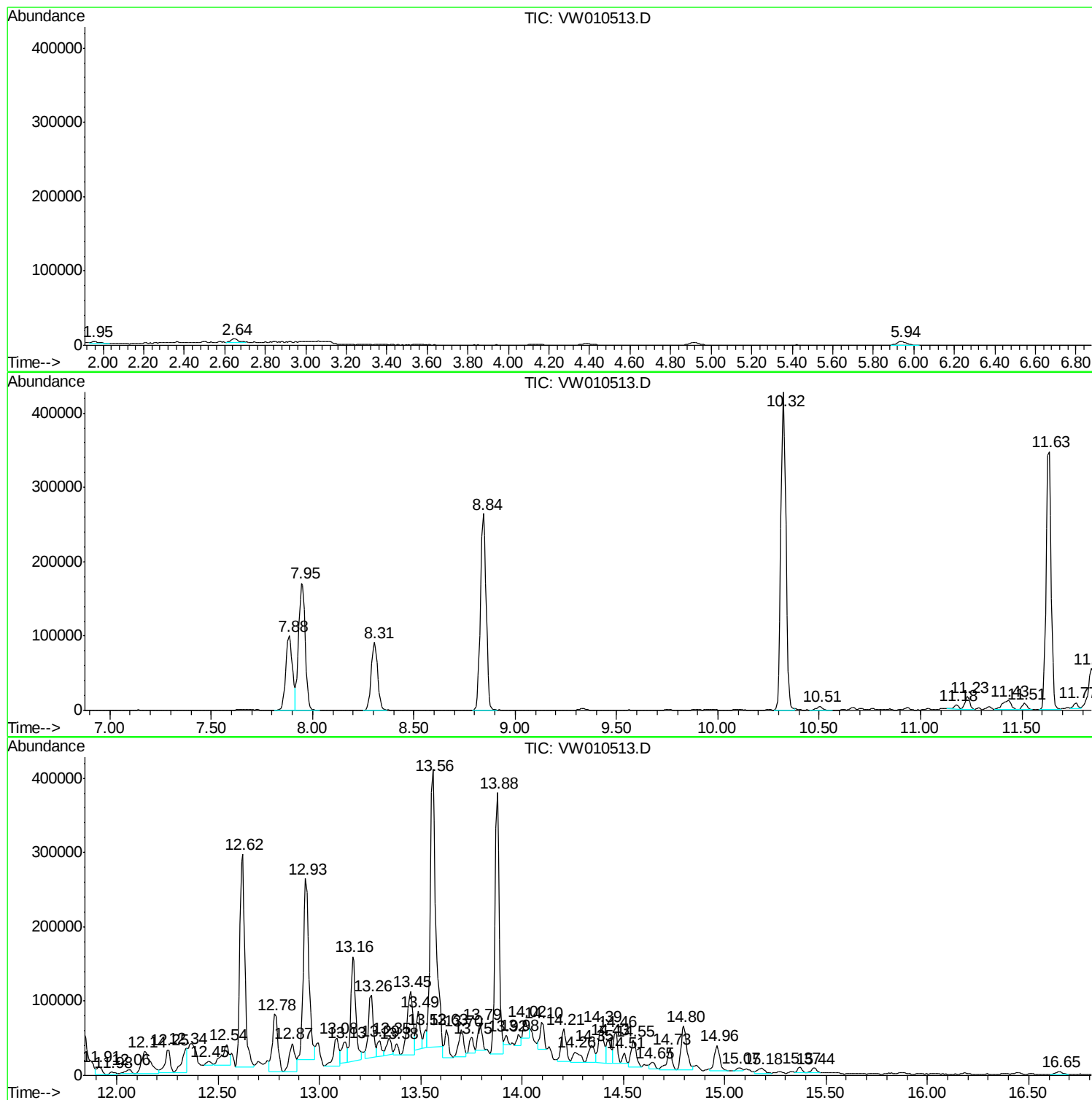
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



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ClientSampleId :
22-C4-20190401

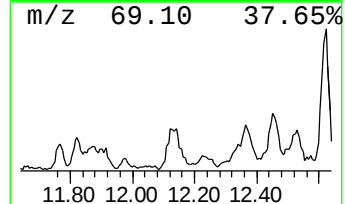
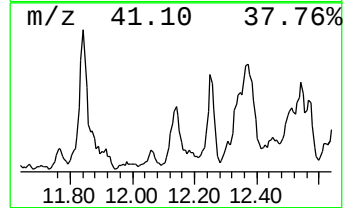
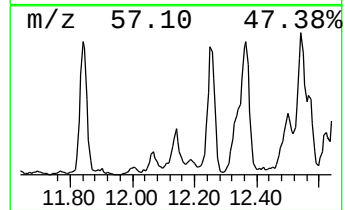
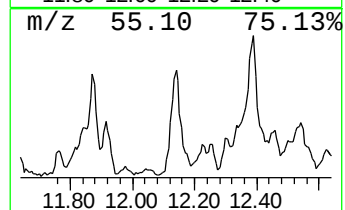
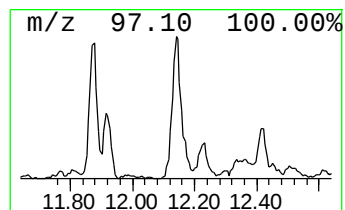
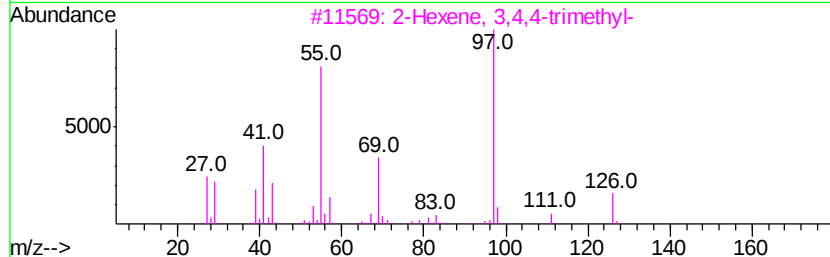
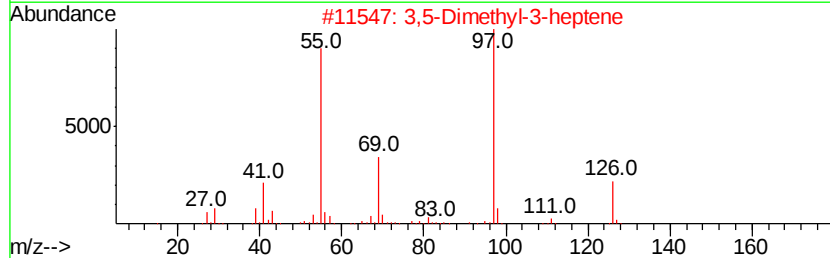
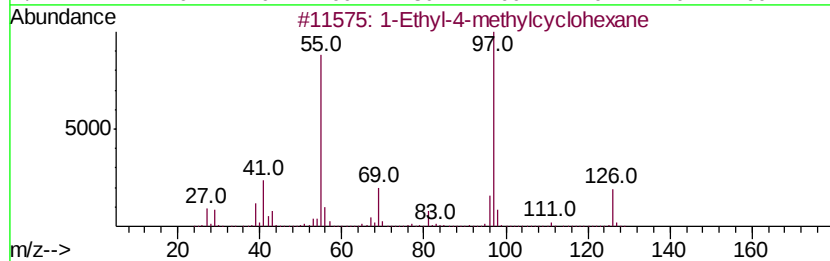
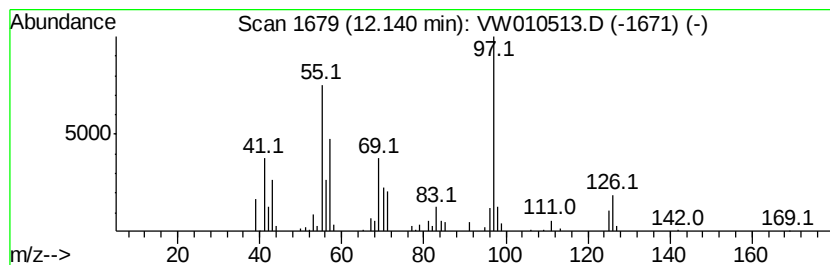
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 1 1-Ethyl-4-methylcyclohexane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.82 ug/l	94354	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	58
2			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	52
3			2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	52
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	52
5			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	52



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ALS Vial : 15 Sample Multiplier: 1

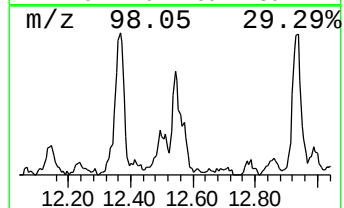
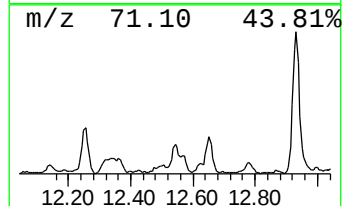
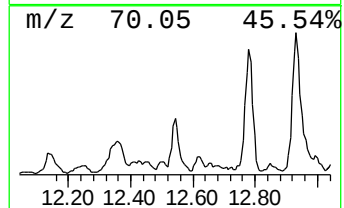
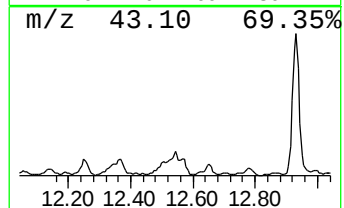
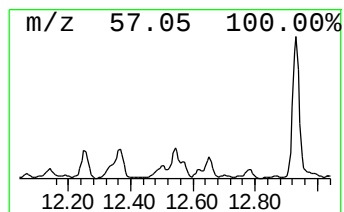
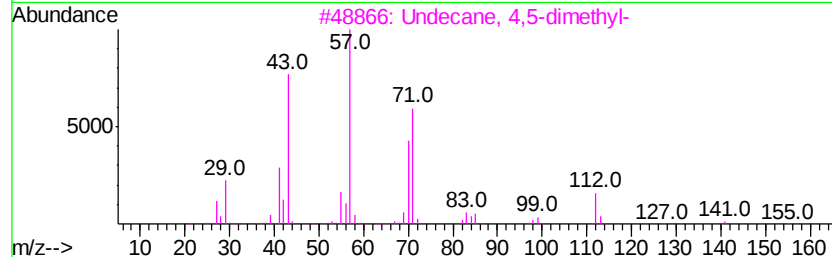
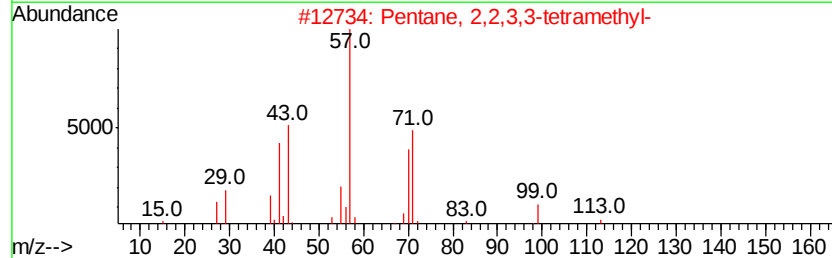
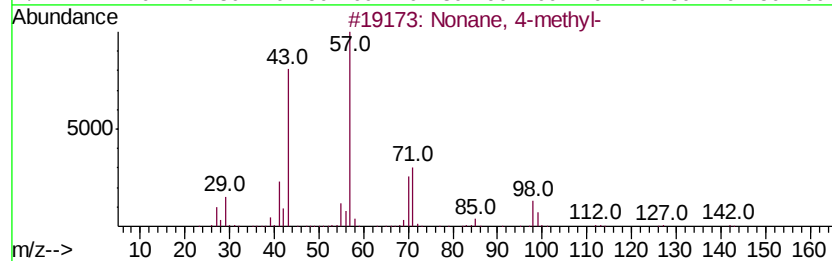
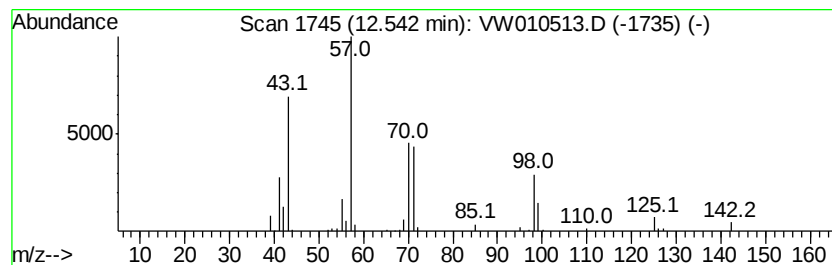
Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

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 2 Nonane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.54	5.45 ug/l	65705	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2		Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
3		Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	59
4		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	58
5		Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	50



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ALS Vial : 15 Sample Multiplier: 1

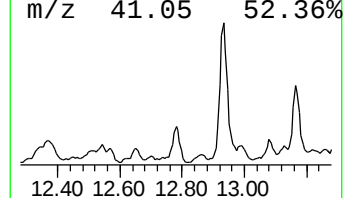
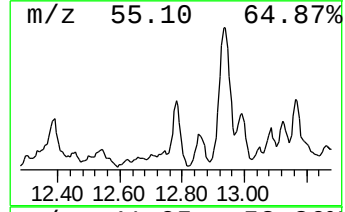
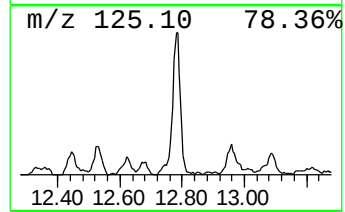
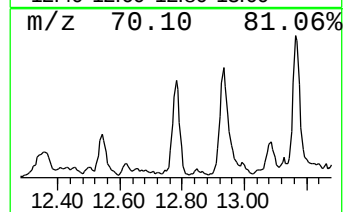
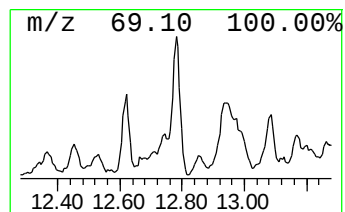
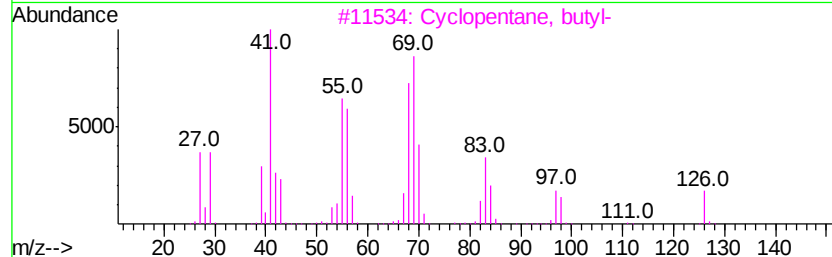
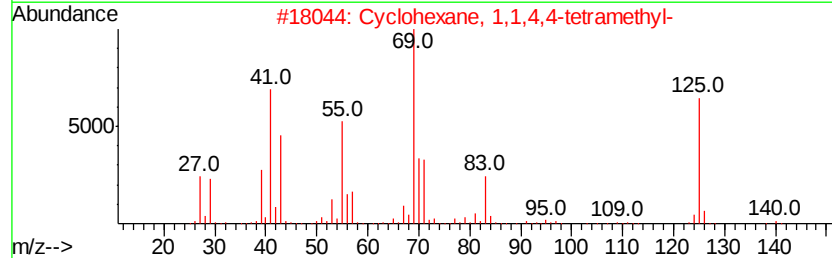
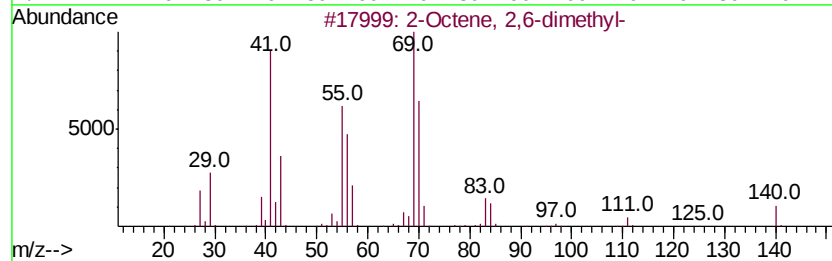
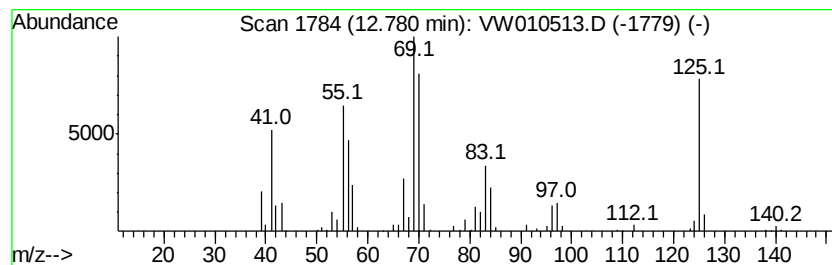
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Quant Title : SW846 8260

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

Peak Number 3 2-Octene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	10.30 ug/l	145593	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2-Octene, 2,6-dimethyl-	140 C10H20	004057-42-5	53
2	Cyclohexane, 1,1,4,4-tetramethyl-	140 C10H20	002223-52-1	49
3	Cyclopentane, butyl-	126 C9H18	002040-95-1	49
4	Cyclopropane, 1,2-dimethyl-1-pen...	140 C10H20	062238-04-4	45
5	Cyclohexane, 1,1,3,5-tetramethyl...	140 C10H20	050876-32-9	43



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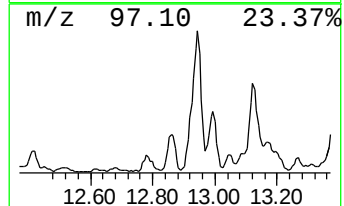
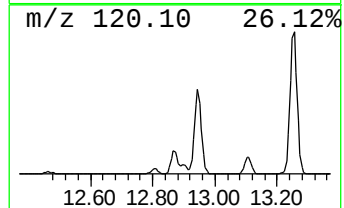
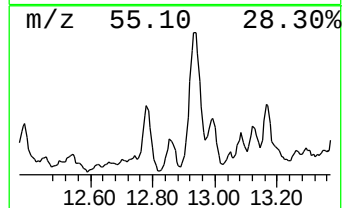
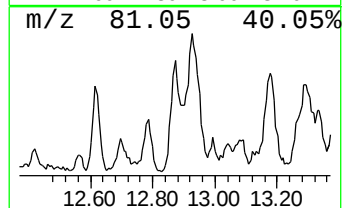
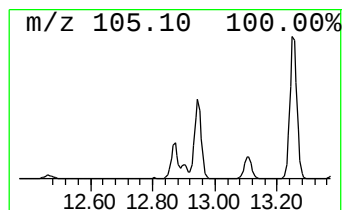
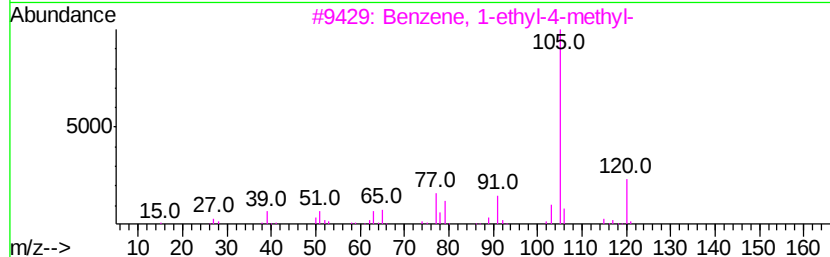
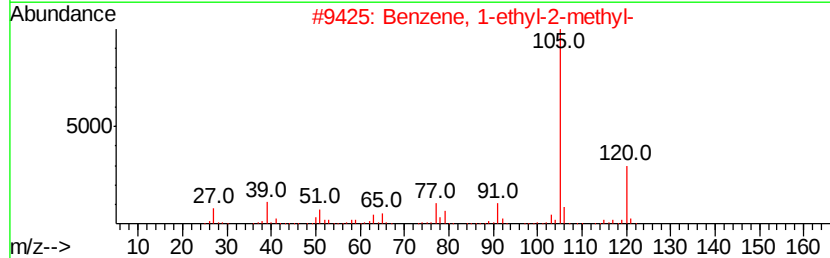
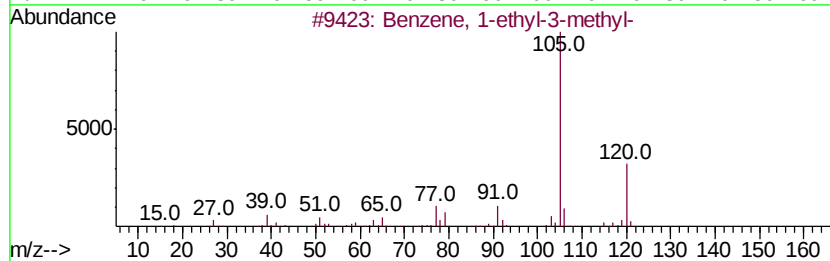
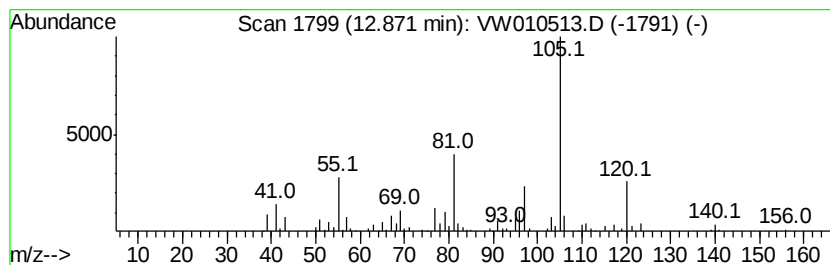
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	5.67 ug/l	80163	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	55
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	55
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	42
4		Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	38
5		Mesitylene	120	C9H12	000108-67-8	38



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Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

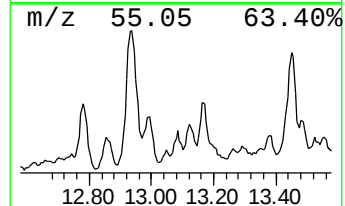
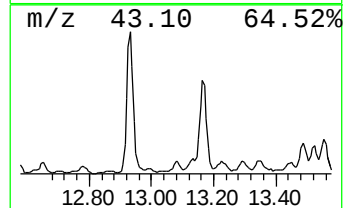
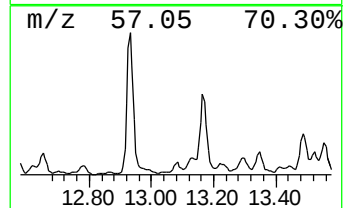
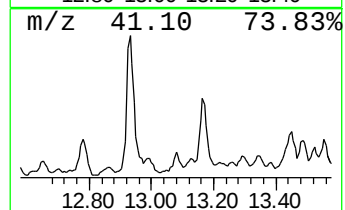
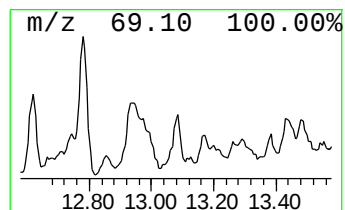
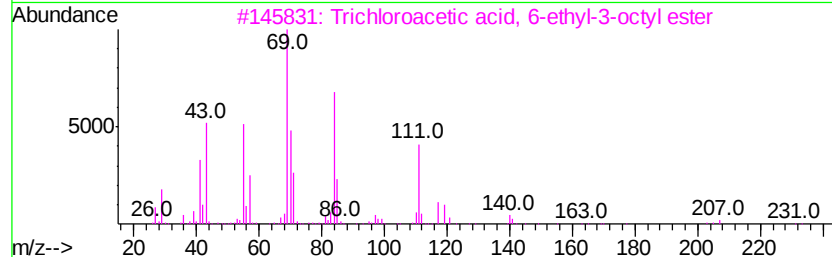
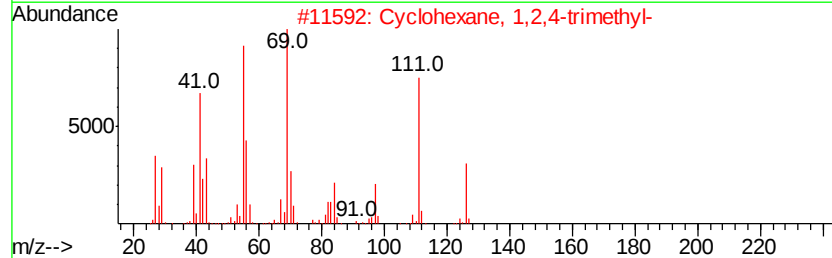
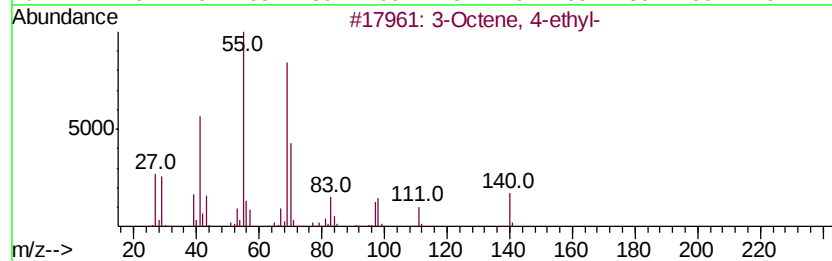
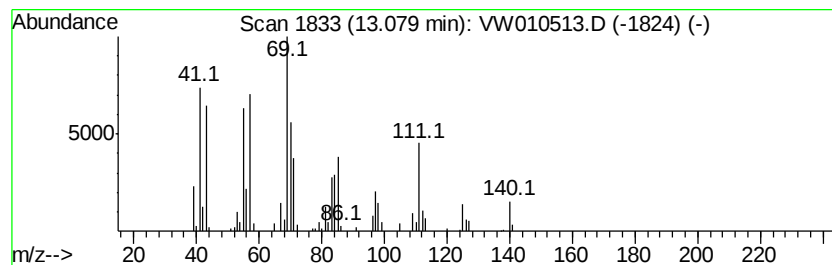
Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

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 5 3-Octene, 4-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	5.54 ug/l	78252	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Octene, 4-ethyl-	140 C10H20	053966-51-1 53
2		Cyclohexane, 1,2,4-trimethyl-	126 C9H18	002234-75-5 52
3		Trichloroacetic acid, 6-ethyl-3-...	302 C12H21Cl3O2	1000282-57-4 50
4		4-Isopropylcyclohexanone	140 C9H16O	005432-85-9 49
5		3-Ethyl-3-octene	140 C10H20	019781-31-8 49



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

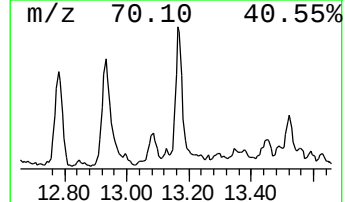
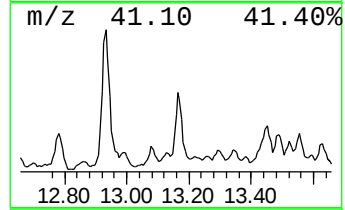
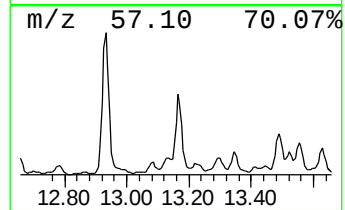
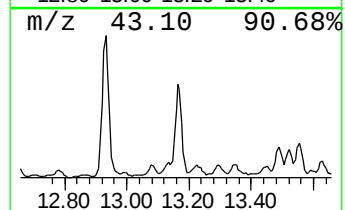
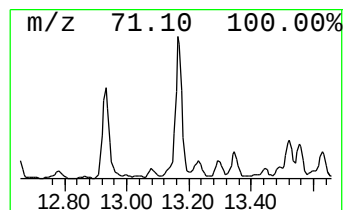
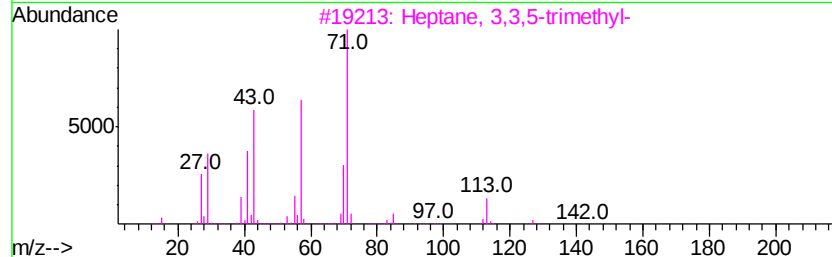
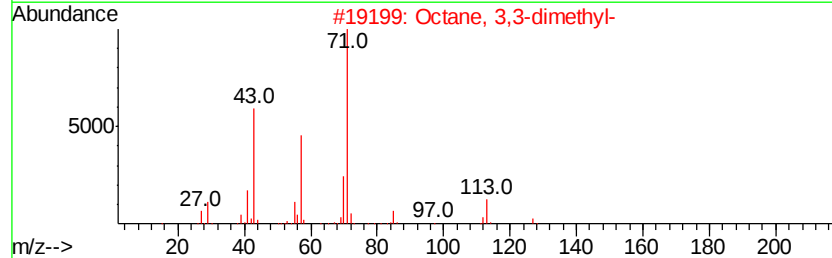
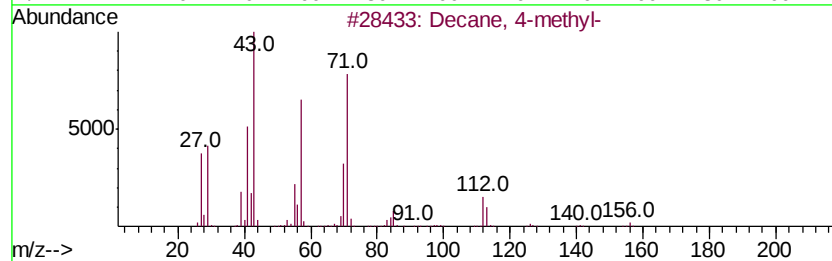
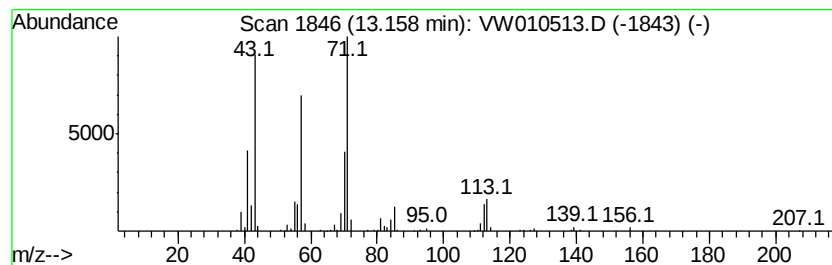
Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

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 6 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	16.43 ug/l	232227	1,4-Dichlorobenzene-d4	13.56
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	78
3	Heptane, 3,3,5-trimethyl-	142 C10H22	007154-80-5	78
4	Octane, 3-ethyl-	142 C10H22	005881-17-4	64
5	3-Hexanone, 2,2-dimethyl-	128 C8H16O	005405-79-8	50



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

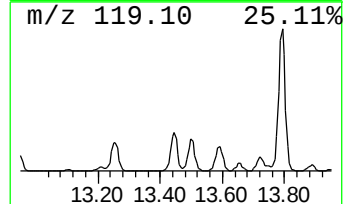
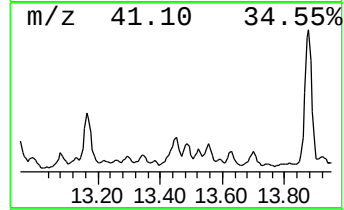
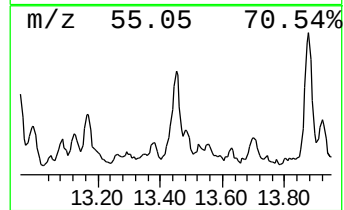
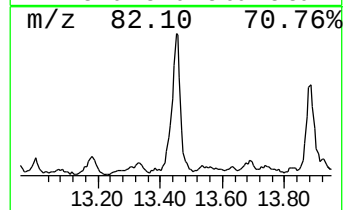
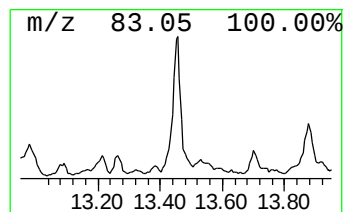
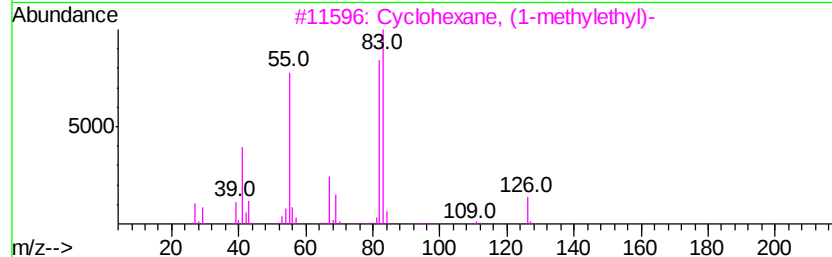
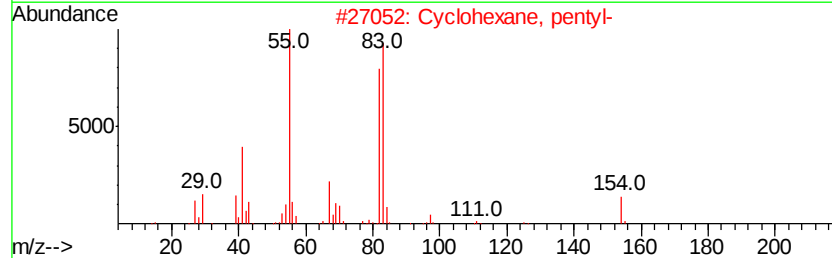
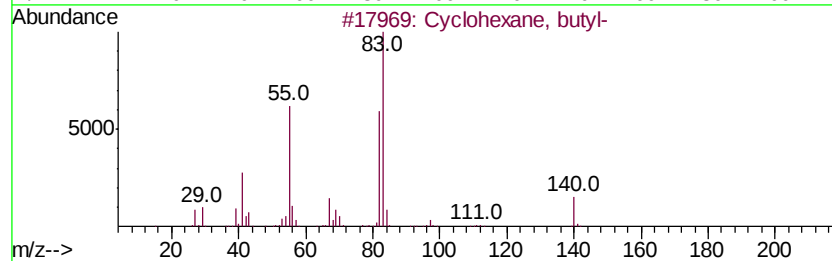
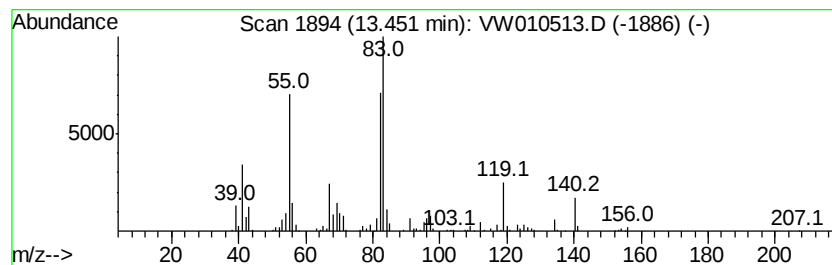
Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

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 7 Cyclohexane, butyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	12.12 ug/l	171203	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 93
2		Cyclohexane, pentyl-	154 C11H22	004292-92-6 76
3		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 76
4		Cyclohexane, octyl-	196 C14H28	001795-15-9 59
5		Cyclohexane, undecyl-	238 C17H34	054105-66-7 58



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

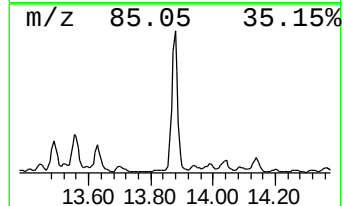
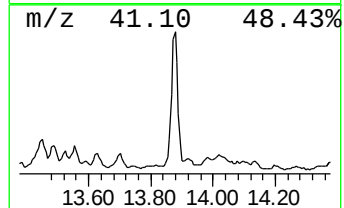
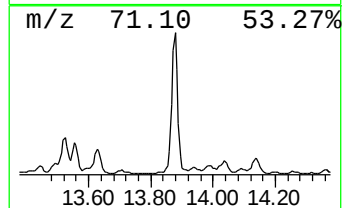
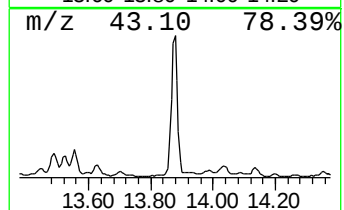
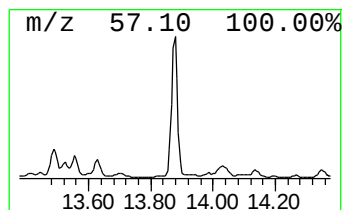
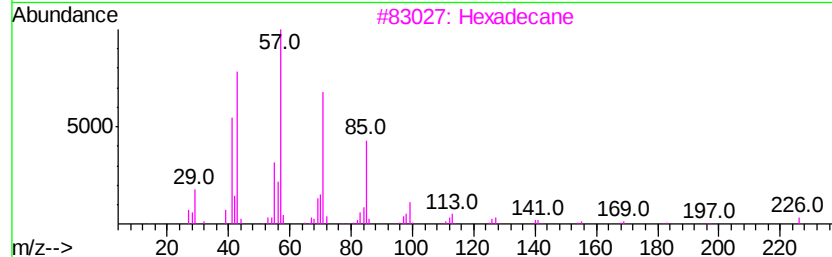
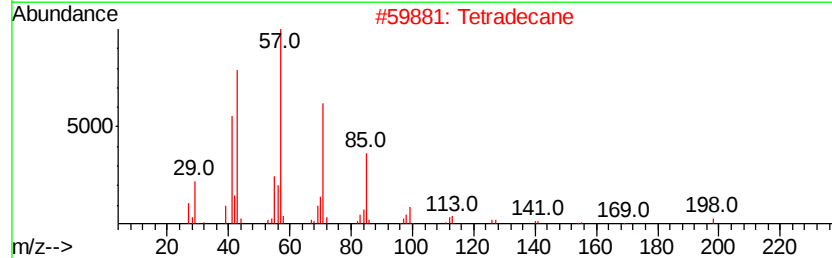
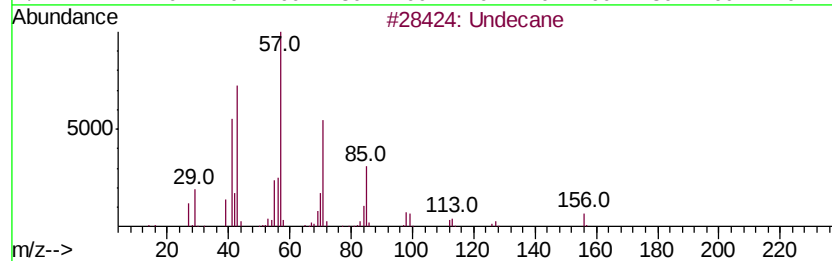
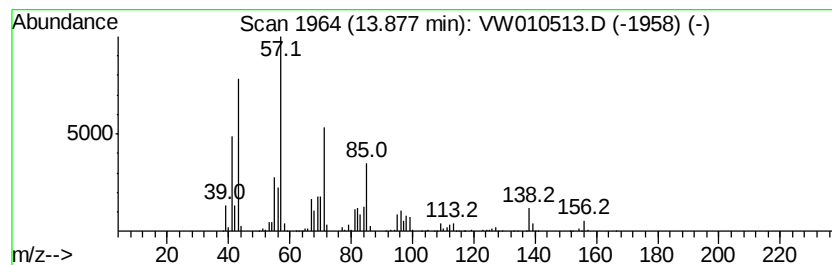
Instrument :
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ClientSampleId :
22-C4-20190401

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 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	37.54 ug/l	530444	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	96
2	Tetradecane	198 C14H30	000629-59-4	72
3	Hexadecane	226 C16H34	000544-76-3	72
4	Decane	142 C10H22	000124-18-5	64
5	Hydroxylamine, O-decyl-	173 C10H23NO	029812-79-1	52



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

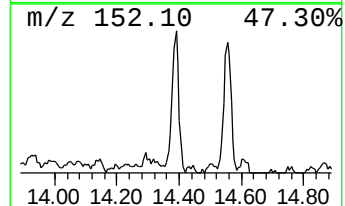
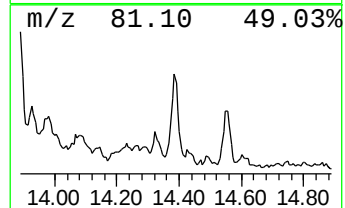
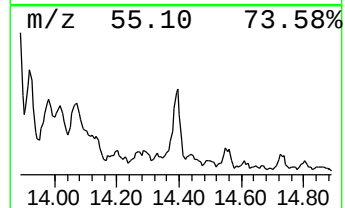
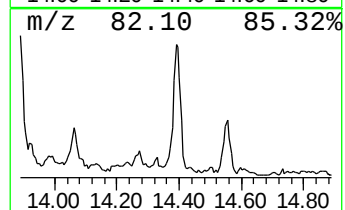
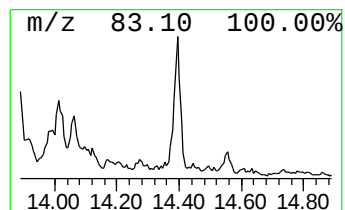
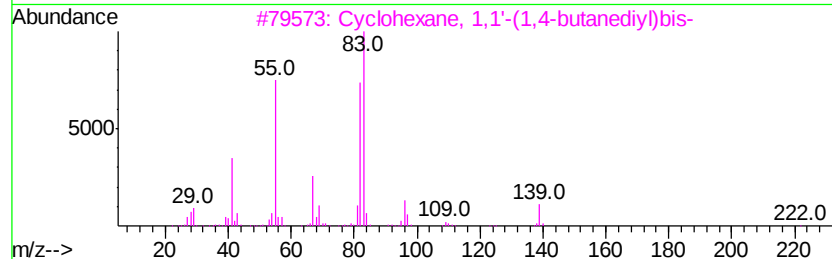
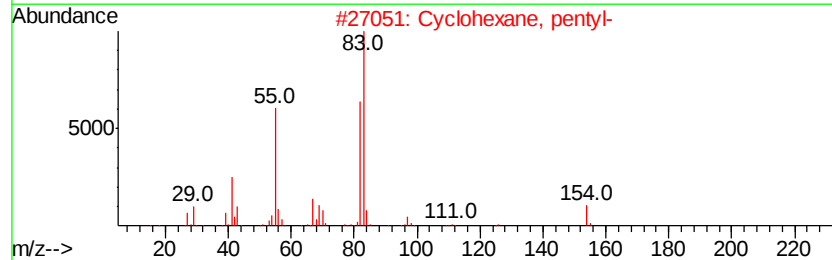
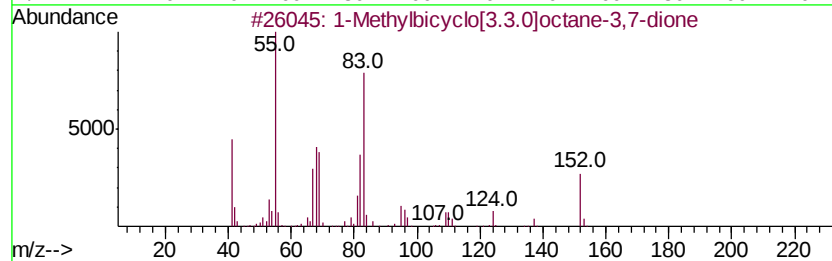
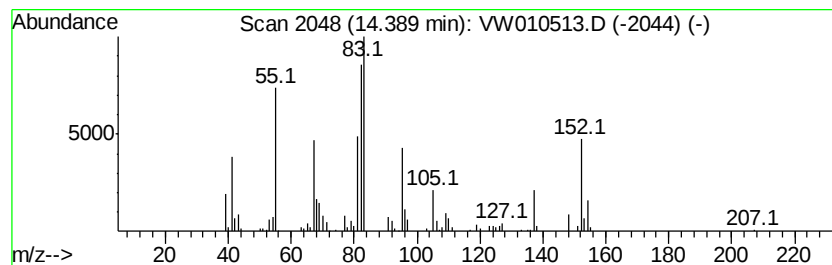
Instrument :
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ClientSampleId :
22-C4-20190401

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 1-Methylbicyclo[3.3.0]octan... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.39	6.51 ug/l	91974	1,4-Dichlorobenzene-d4	13.56	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1		1-Methylbicyclo[3.3.0]octane-3,7...	152 C9H12O2	021170-08-1	52
2		Cyclohexane, pentyl-	154 C11H22	004292-92-6	50
3		Cyclohexane, 1,1'-(1,4-butanedi...	222 C16H30	006165-44-2	43
4		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7	38
5		Cyclohexane, undecyl-	238 C17H34	054105-66-7	38



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

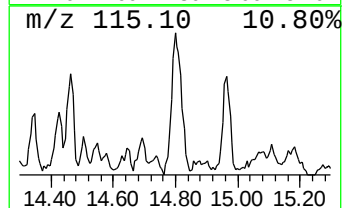
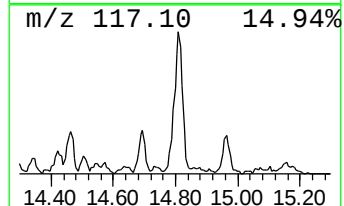
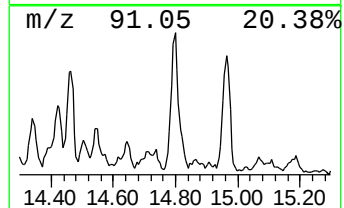
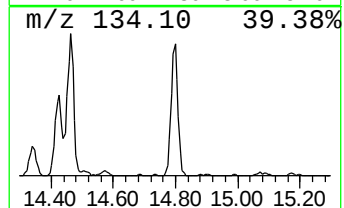
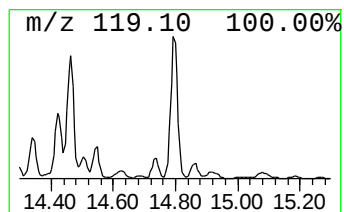
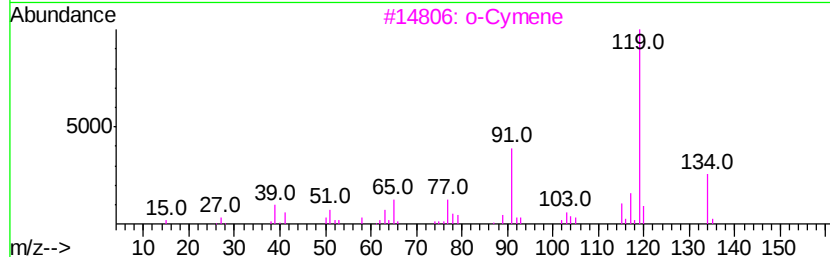
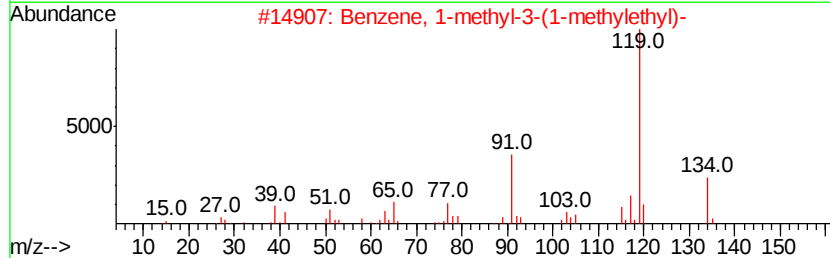
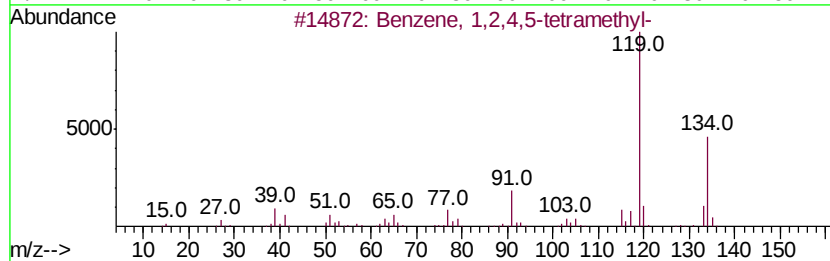
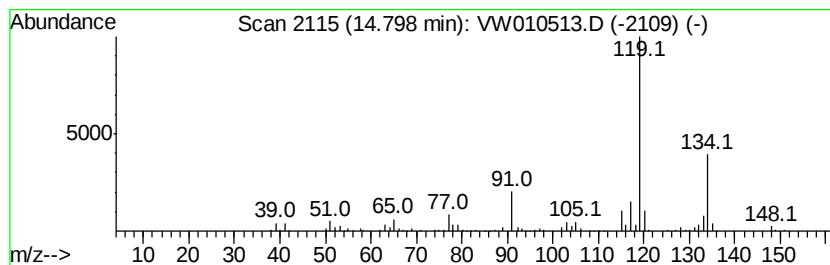
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	8.09 ug/l	114372	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2		Benzene, 1-methyl-3-(1-methylethyl-)	134	C10H14	000535-77-3	94
3		o-Cymene	134	C10H14	000527-84-4	94
4		p-Cymene	134	C10H14	000099-87-6	94
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW052219\
Data File : VW010513.D
Acq On : 22 May 2019 16:32
Operator : SY/VA
Sample : K3002-06
Misc : 5.09G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
22-C4-20190401

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
1-Ethyl-4-methylc...	12.14	7.8	ug/l	94354	3	11.63	603201	50.0
Nonane, 4-methyl-	12.54	5.5	ug/l	65705	3	11.63	603201	50.0
2-Octene, 2,6-dim...	12.78	10.3	ug/l	145593	4	13.56	706517	50.0
Benzene, 1-ethyl-...	12.87	5.7	ug/l	80163	4	13.56	706517	50.0
3-Octene, 4-ethyl-	13.08	5.5	ug/l	78252	4	13.56	706517	50.0
Decane, 4-methyl-	13.16	16.4	ug/l	232227	4	13.56	706517	50.0
Cyclohexane, butyl-	13.45	12.1	ug/l	171203	4	13.56	706517	50.0
Undecane	13.88	37.5	ug/l	530444	4	13.56	706517	50.0
1-Methylbicyclo[3...	14.39	6.5	ug/l	91974	4	13.56	706517	50.0
Benzene, 1,2,4,5-...	14.80	8.1	ug/l	114372	4	13.56	706517	50.0