

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010516.D
 Acq On : 22 May 2019 17:51
 Operator : SY/VA
 Sample : K3002-09
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 23-C7-20190417

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	2.635	114	120	129	rVB3	7622	17624	3.35%	0.291%
2	3.544	262	269	278	rVB2	3234	8178	1.55%	0.135%
3	4.135	359	366	374	rVB4	2170	6220	1.18%	0.103%
4	4.391	396	408	419	rBV2	7785	23740	4.51%	0.391%
5	4.915	484	494	506	rVB4	6286	19989	3.80%	0.330%
6	5.946	654	663	674	rVB4	2847	9190	1.75%	0.151%
7	7.135	849	858	870	rBV	23073	65211	12.39%	1.075%
8	7.884	972	981	985	rBV	46795	106228	20.19%	1.751%
9	7.945	985	991	1004	rVB	166020	379776	72.18%	6.260%
10	8.256	1032	1042	1046	rBV	36166	88130	16.75%	1.453%
11	8.305	1046	1050	1061	rVB	40962	90013	17.11%	1.484%
12	8.842	1129	1138	1151	rBV	252275	499568	94.95%	8.235%
13	9.092	1172	1179	1188	rVB3	12161	23878	4.54%	0.394%
14	9.329	1208	1218	1225	rBV4	2698	6381	1.21%	0.105%
15	9.890	1303	1310	1316	rBV2	3696	7706	1.46%	0.127%
16	10.213	1356	1363	1367	rBV2	4041	7891	1.50%	0.130%
17	10.323	1374	1381	1389	rBV	172542	307182	58.39%	5.064%
18	10.506	1404	1411	1416	rVB5	6199	11214	2.13%	0.185%
19	10.664	1432	1437	1440	rBV3	3402	6167	1.17%	0.102%
20	10.707	1440	1444	1449	rVV	9315	14546	2.76%	0.240%
21	10.860	1462	1469	1477	rBV	220588	391781	74.47%	6.458%
22	10.933	1477	1481	1488	rVB2	3823	6475	1.23%	0.107%
23	11.061	1493	1502	1507	rBV2	6454	14210	2.70%	0.234%
24	11.177	1513	1521	1525	rBV2	7432	12965	2.46%	0.214%
25	11.231	1525	1530	1535	rVB	14542	23248	4.42%	0.383%
26	11.341	1542	1548	1552	rBV5	3906	6909	1.31%	0.114%
27	11.408	1552	1559	1560	rVV2	8661	13009	2.47%	0.214%
28	11.439	1561	1564	1571	rVB5	14544	23104	4.39%	0.381%
29	11.512	1571	1576	1583	rBV	6492	11261	2.14%	0.186%
30	11.634	1588	1596	1606	rBV	305159	526118	100.00%	8.673%
31	11.841	1621	1630	1634	rBV3	35398	70222	13.35%	1.158%
32	12.054	1659	1665	1671	rVB6	3261	7352	1.40%	0.121%
33	12.140	1671	1679	1682	rBV4	18233	42455	8.07%	0.700%
34	12.256	1691	1698	1702	rVB	21442	37365	7.10%	0.616%

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 ALS Vial : 18 Sample Multiplier: 1

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	12.365	1702	1716	1724	rBV5	27880	112326	21.35%	1.852%
36	12.451	1727	1730	1735	rVV7	7541	15971	3.04%	0.263%
37	12.506	1736	1739	1740	rVV2	10258	12558	2.39%	0.207%
38	12.542	1742	1745	1748	rVV2	19373	31678	6.02%	0.522%
39	12.621	1752	1758	1767	rVV	118551	205663	39.09%	3.390%
40	12.780	1779	1784	1791	rVB3	42041	80799	15.36%	1.332%
41	12.865	1791	1798	1802	rBV3	28747	57443	10.92%	0.947%
42	12.932	1802	1809	1816	rBV2	138110	270201	51.36%	4.454%
43	13.085	1829	1834	1837	rBV4	19610	36090	6.86%	0.595%
44	13.164	1843	1847	1854	rVB	83855	125462	23.85%	2.068%
45	13.255	1856	1862	1866	rBV	68844	104688	19.90%	1.726%
46	13.298	1866	1869	1873	rVB3	10671	13369	2.54%	0.220%
47	13.347	1873	1877	1880	rBV3	14283	19715	3.75%	0.325%
48	13.383	1880	1883	1886	rVB4	9213	10733	2.04%	0.177%
49	13.451	1886	1894	1897	rBV3	47171	92272	17.54%	1.521%
50	13.487	1897	1900	1903	rVV3	25207	31915	6.07%	0.526%
51	13.524	1903	1906	1907	rVV	10699	10558	2.01%	0.174%
52	13.560	1907	1912	1921	rVB2	269765	513634	97.63%	8.467%
53	13.627	1921	1923	1928	rVB3	24445	27918	5.31%	0.460%
54	13.700	1929	1935	1940	rBV5	19865	39235	7.46%	0.647%
55	13.755	1940	1944	1946	rBV2	19390	26851	5.10%	0.443%
56	13.792	1946	1950	1958	rVB2	33956	56198	10.68%	0.926%
57	13.877	1958	1964	1969	rBV	213091	315910	60.05%	5.208%
58	13.926	1969	1972	1975	rVB2	7884	8981	1.71%	0.148%
59	13.981	1979	1981	1983	rBV2	8588	9511	1.81%	0.157%
60	14.017	1983	1987	1989	rBV2	15722	22751	4.32%	0.375%
61	14.097	1997	2000	2004	rVB	29320	43353	8.24%	0.715%
62	14.206	2013	2018	2023	rVB2	36049	57717	10.97%	0.951%
63	14.261	2023	2027	2035	rVV6	9721	22542	4.28%	0.372%
64	14.341	2035	2040	2044	rVV4	21782	43910	8.35%	0.724%
65	14.389	2044	2048	2051	rVV3	31802	58379	11.10%	0.962%
66	14.426	2051	2054	2056	rVV2	31553	47729	9.07%	0.787%
67	14.463	2056	2060	2064	rVV	45401	70688	13.44%	1.165%
68	14.505	2064	2067	2070	rVV3	15033	19891	3.78%	0.328%
69	14.548	2070	2074	2080	rVB4	21489	37976	7.22%	0.626%
70	14.645	2086	2090	2094	rVB6	7958	12645	2.40%	0.208%
71	14.694	2094	2098	2100	rBV2	8905	13131	2.50%	0.216%

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Integrator: RTE
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72	14.731	2100	2104	2109	rVB2	32828	49291	9.37%	0.813%
73	14.798	2109	2115	2122	rBV2	60155	124668	23.70%	2.055%
74	14.962	2132	2142	2151	rBV2	43610	87122	16.56%	1.436%
75	15.072	2154	2160	2163	rBV4	8902	16488	3.13%	0.272%
76	15.182	2171	2178	2185	rVB5	11551	28497	5.42%	0.470%
77	15.334	2197	2203	2205	rBV5	5471	10332	1.96%	0.170%
78	15.371	2205	2209	2214	rVB	8664	14632	2.78%	0.241%
79	15.432	2214	2219	2224	rBV3	7574	17379	3.30%	0.286%
80	15.560	2237	2240	2249	rVB6	7795	14325	2.72%	0.236%
81	15.664	2249	2257	2263	rBV5	7031	16199	3.08%	0.267%
82	15.828	2276	2284	2286	rBV8	3486	7751	1.47%	0.128%
83	15.871	2286	2291	2300	rVB3	12401	25097	4.77%	0.414%
84	15.956	2300	2305	2311	rBV9	2400	5300	1.01%	0.087%
85	16.182	2336	2342	2350	rBV3	7564	18169	3.45%	0.300%
86	16.383	2367	2375	2380	rVV6	6893	15068	2.86%	0.248%
87	16.450	2380	2386	2391	rVV	11783	24434	4.64%	0.403%
88	16.651	2410	2419	2428	rBV2	9692	25915	4.93%	0.427%

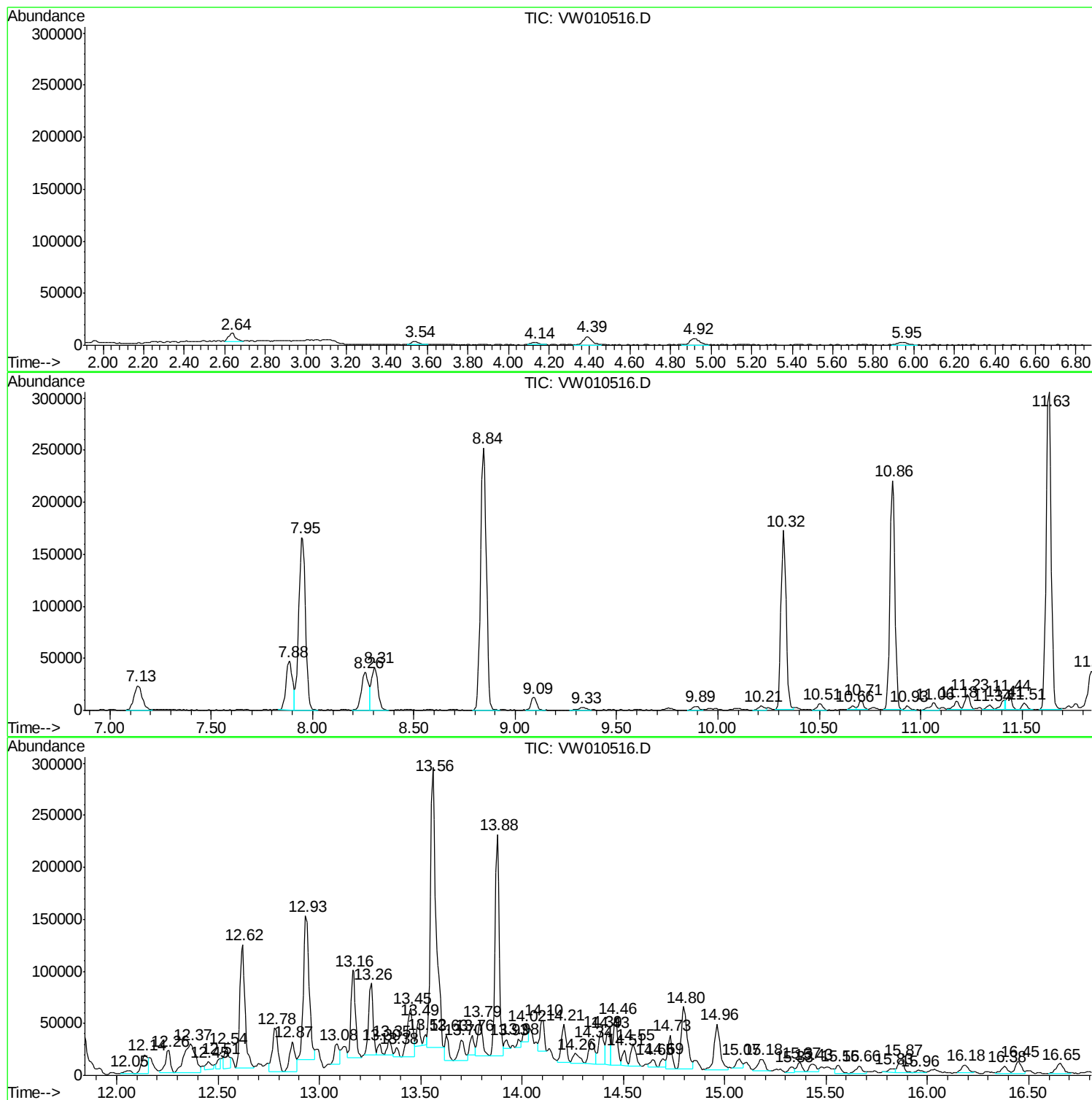
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Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



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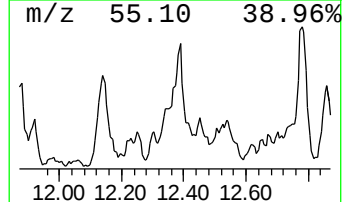
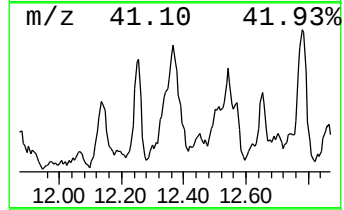
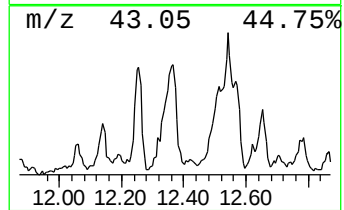
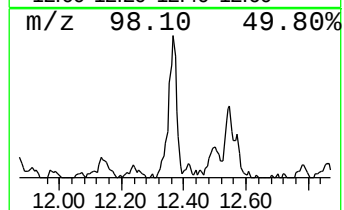
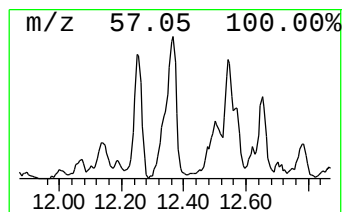
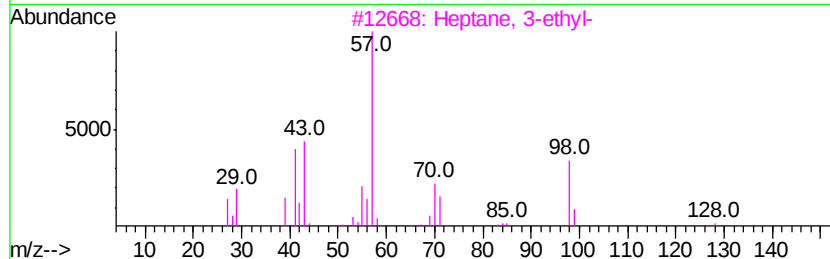
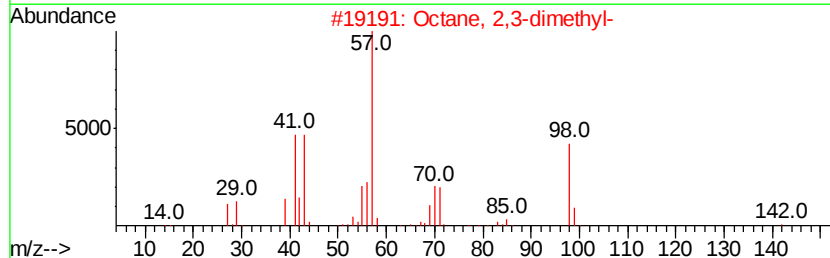
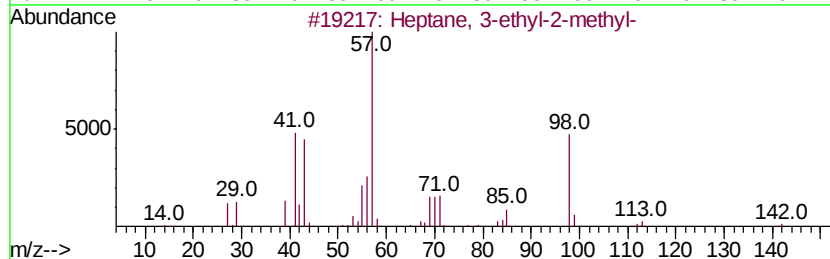
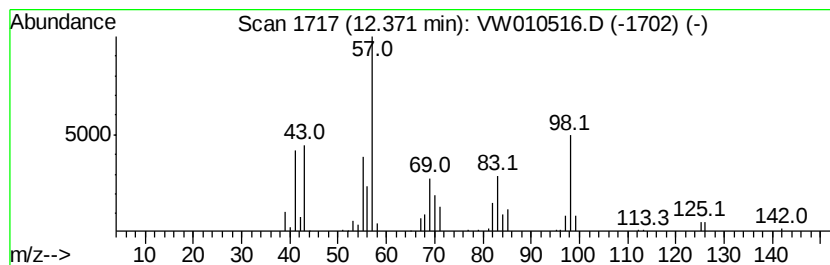
Instrument :
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ClientSampleId :
23-C7-20190417

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.37	10.68 ug/l	112326	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	81
2		Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	68
3		Heptane, 3-ethyl-	128	C9H20	015869-80-4	59
4		Heptane, 4-propyl-	142	C10H22	003178-29-8	52
5		Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	47



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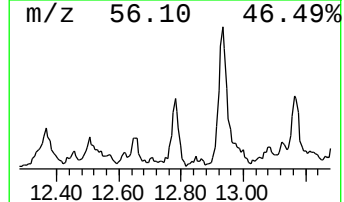
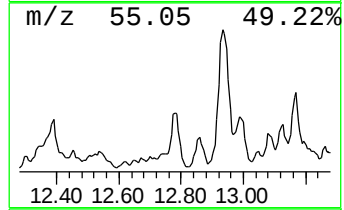
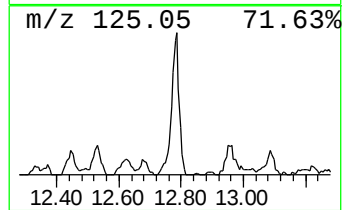
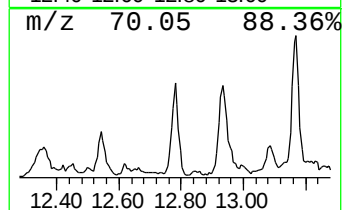
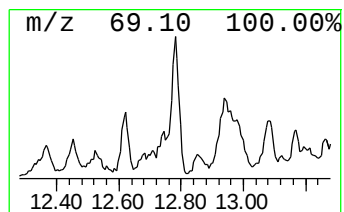
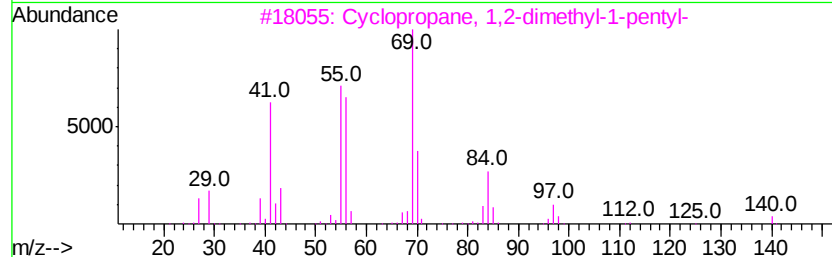
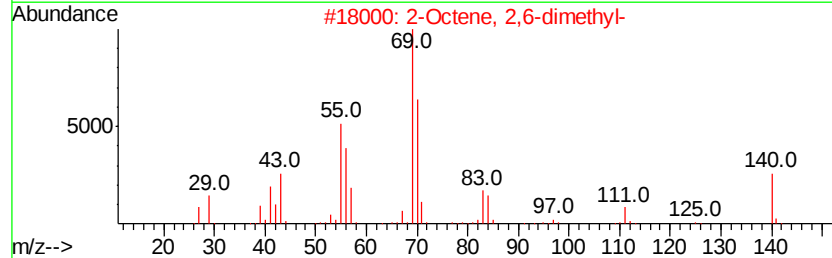
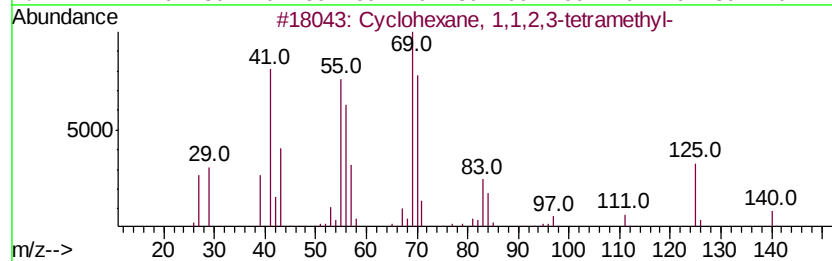
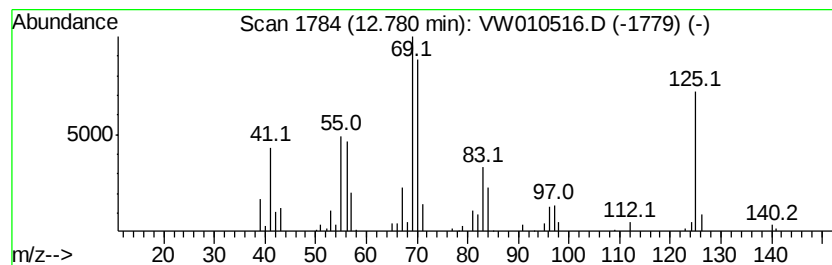
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	7.87 ug/l	80799	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	64
2		2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	50
3		Cyclopropane, 1,2-dimethyl-1-pen...	140	C10H20	062238-04-4	49
4		Cyclopentane, 1,1,3,4-tetramethyl...	126	C9H18	053907-60-1	43
5		Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	43



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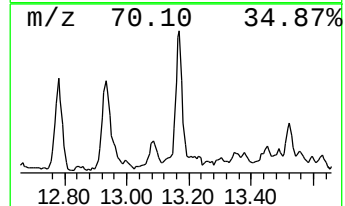
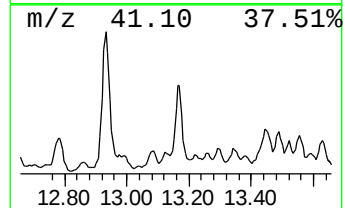
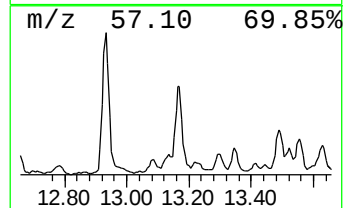
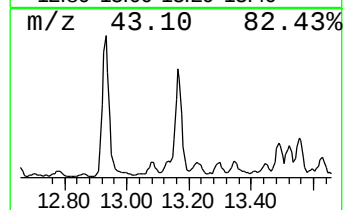
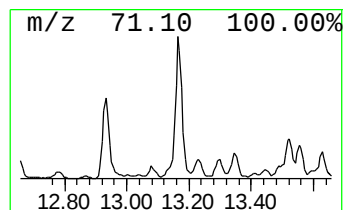
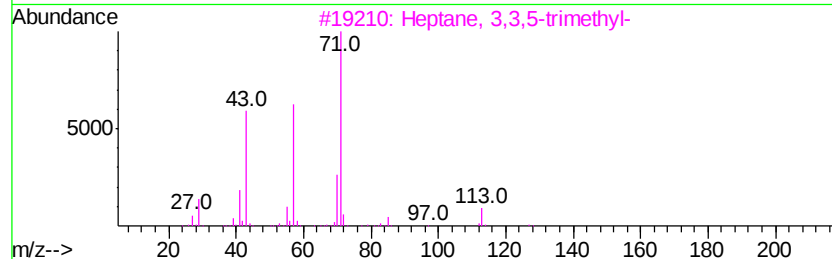
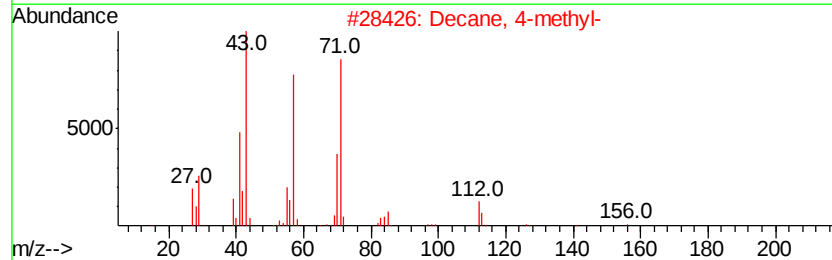
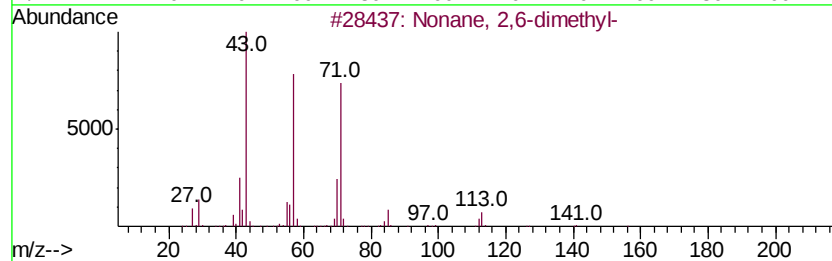
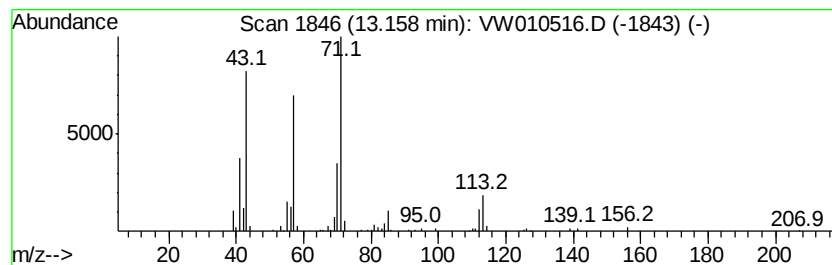
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 4 Nonane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	12.21 ug/l	125462	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2 91
2		Decane, 4-methyl-	156 C11H24	002847-72-5 90
3		Heptane, 3,3,5-trimethyl-	142 C10H22	007154-80-5 72
4		Octane, 3,3-dimethyl-	142 C10H22	004110-44-5 72
5		Oxalic acid, neopentyl octyl ester	272 C15H28O4	1000309-73-2 59



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Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

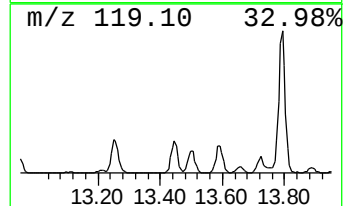
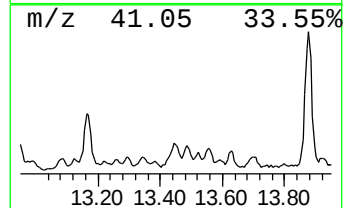
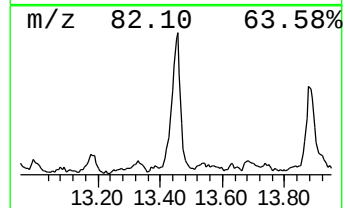
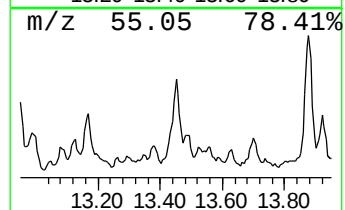
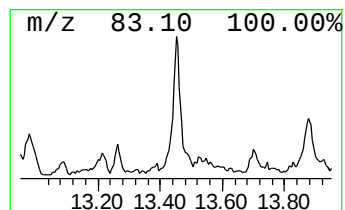
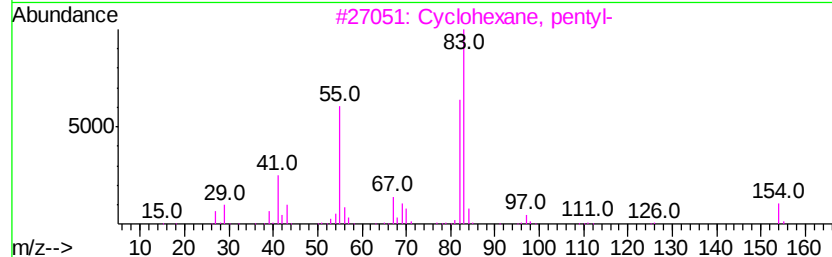
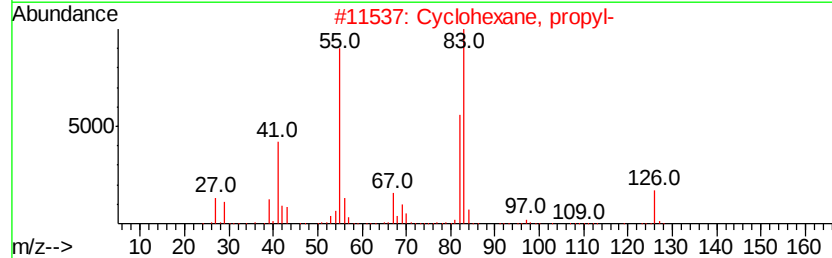
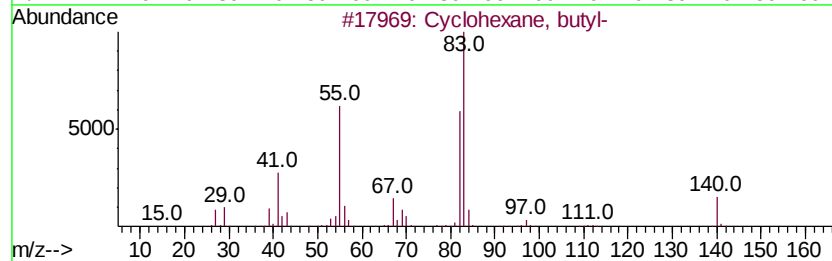
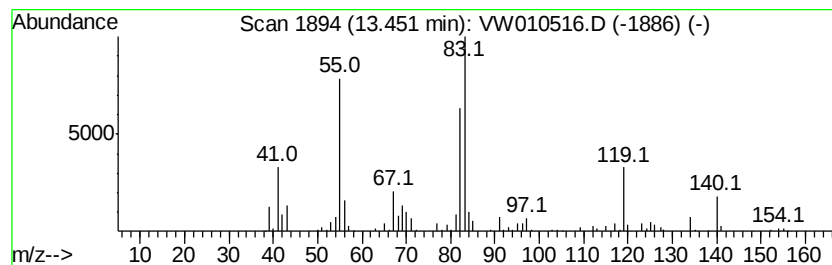
Instrument :
MSVOA_W
ClientSampleId :
23-C7-20190417

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 Cyclohexane, butyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	8.98 ug/l	92272	1,4-Dichlorobenzene-d4	13.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, butyl-	140 C10H20	001678-93-9 94
2		Cyclohexane, propyl-	126 C9H18	001678-92-8 81
3		Cyclohexane, pentyl-	154 C11H22	004292-92-6 81
4		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 81
5		Cyclohexane, 2-propenyl-	124 C9H16	002114-42-3 72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
 Data File : VW010516.D
 Acq On : 22 May 2019 17:51
 Operator : SY/VA
 Sample : K3002-09
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

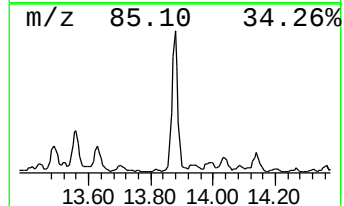
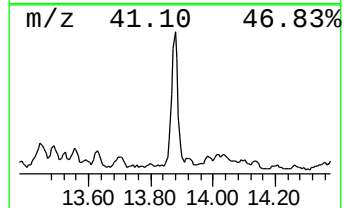
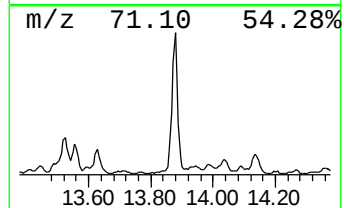
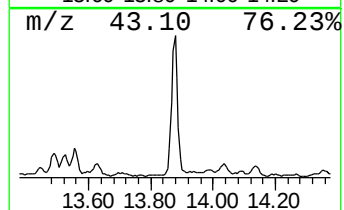
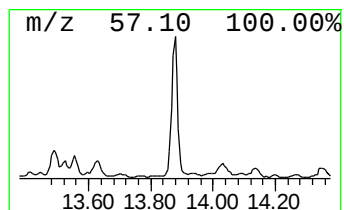
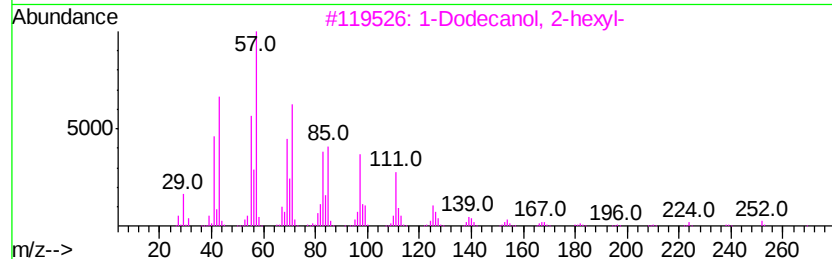
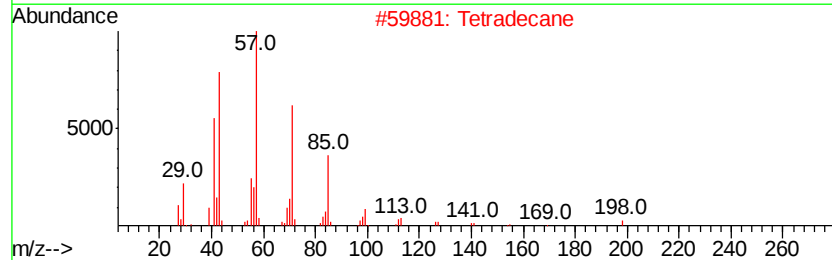
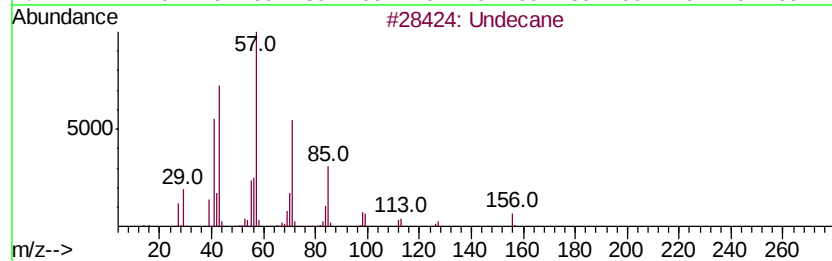
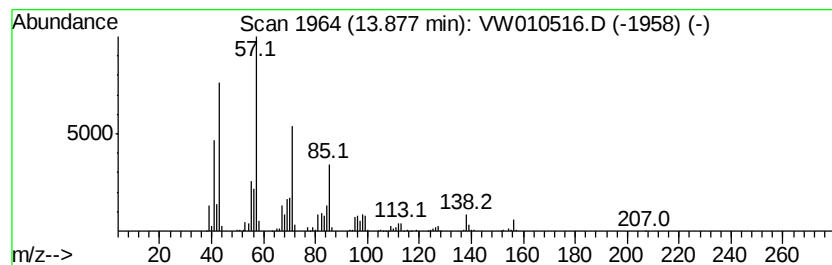
Instrument :
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 ClientSampleId :
 23-C7-20190417

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 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	30.75 ug/l	315910	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	83
3	1-Dodecanol, 2-hexyl-	270 C18H38O	110225-00-8	80
4	Hexadecane	226 C16H34	000544-76-3	80
5	1-Iodo-2-methylundecane	296 C12H25I	073105-67-6	72



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010516.D
Acq On : 22 May 2019 17:51
Operator : SY/VA
Sample : K3002-09
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
23-C7-20190417

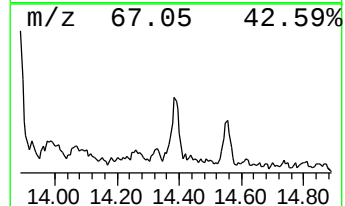
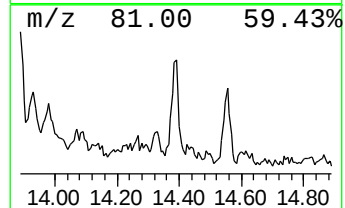
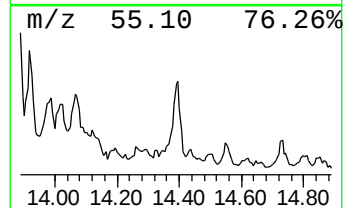
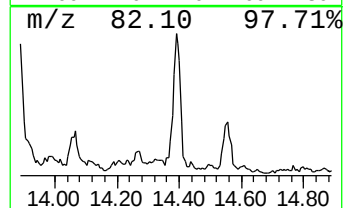
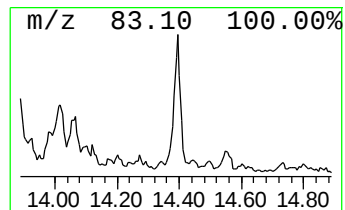
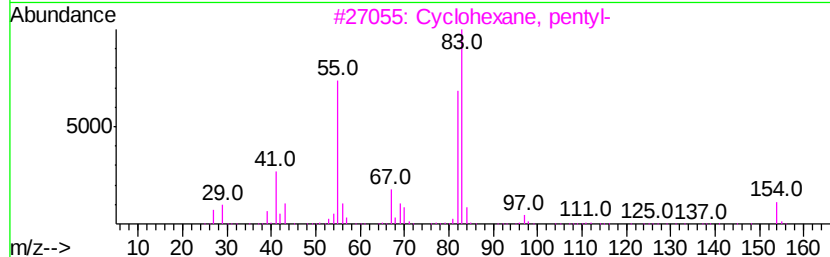
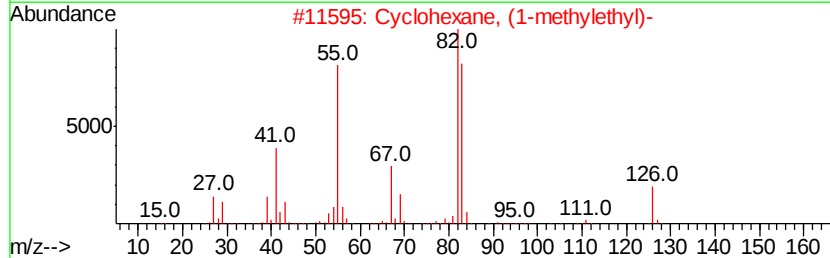
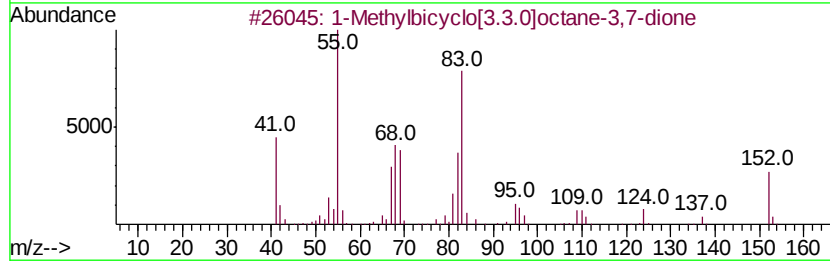
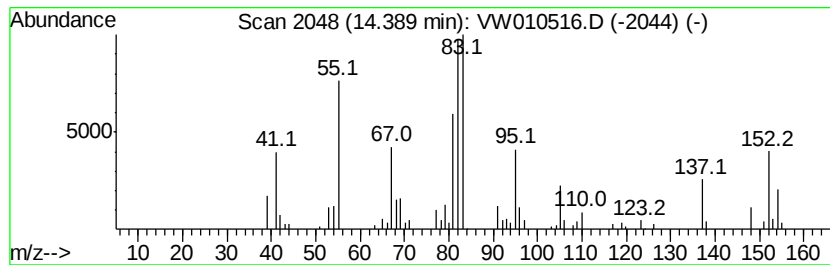
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Quant Title : SW846 8260

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

Peak Number 7 unknown14.39 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	5.68 ug/l	58379	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	47
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	43
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4			Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	38
5			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	35



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010516.D
Acq On : 22 May 2019 17:51
Operator : SY/VA
Sample : K3002-09
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
23-C7-20190417

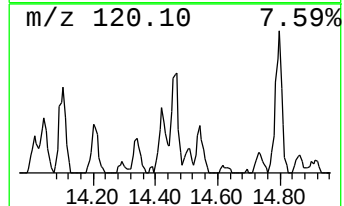
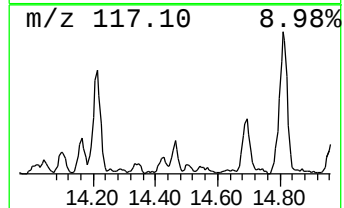
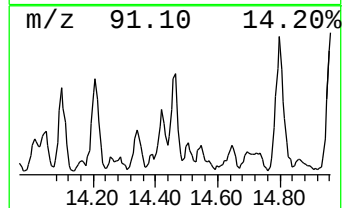
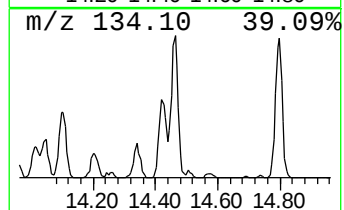
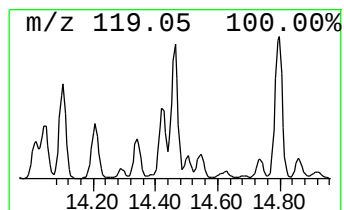
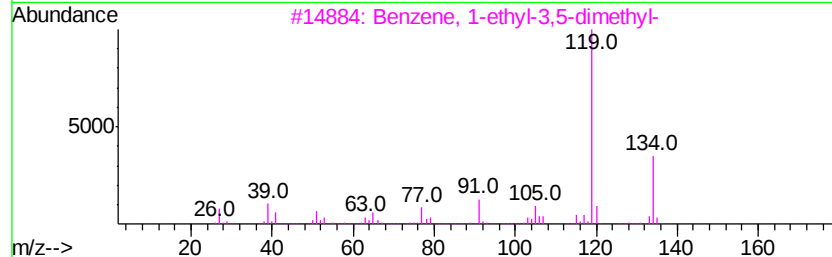
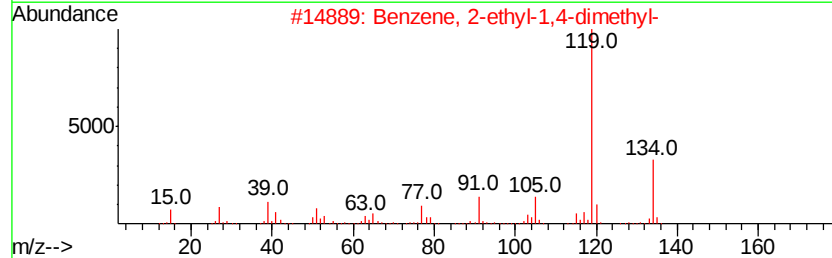
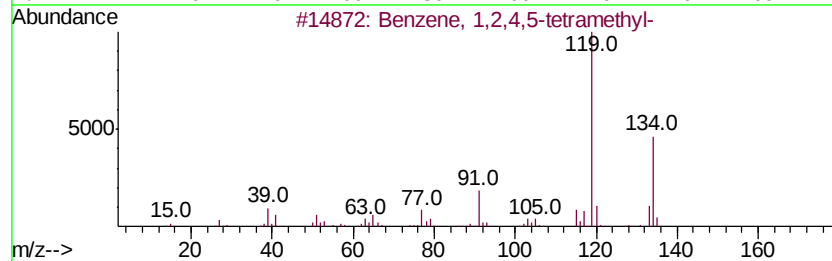
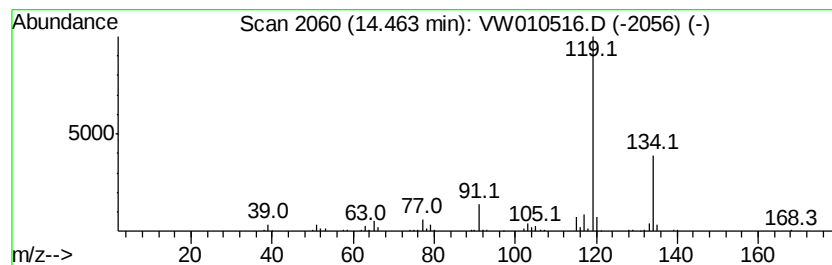
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	6.88 ug/l	70688	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	93
2		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4		1,3,8-p-Menthatriene	134	C10H14	018368-95-1	91
5		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010516.D
Acq On : 22 May 2019 17:51
Operator : SY/VA
Sample : K3002-09
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
23-C7-20190417

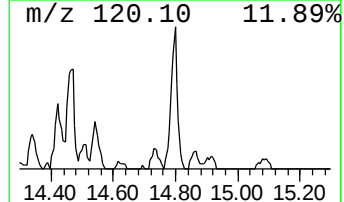
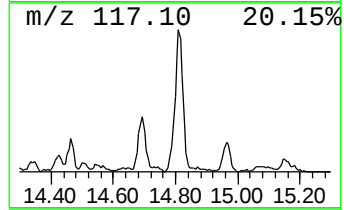
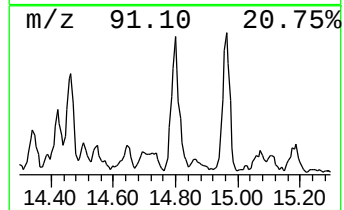
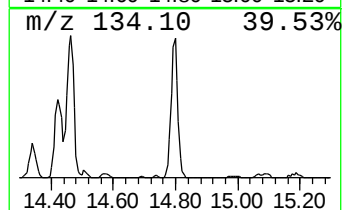
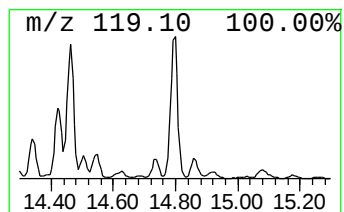
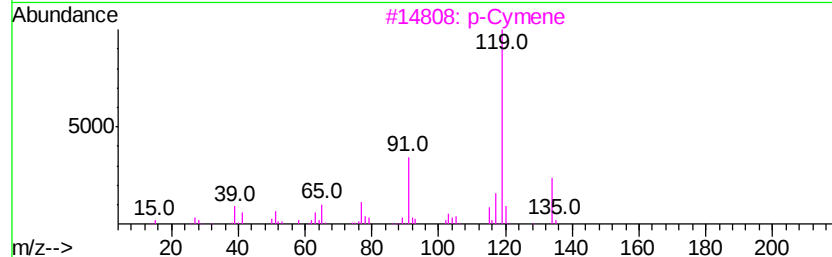
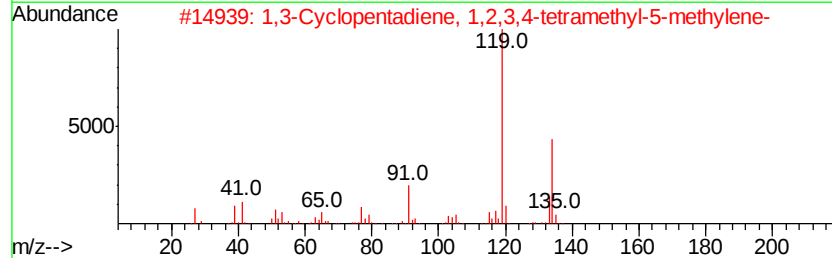
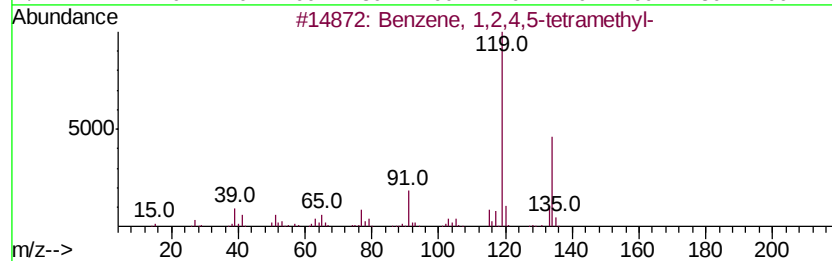
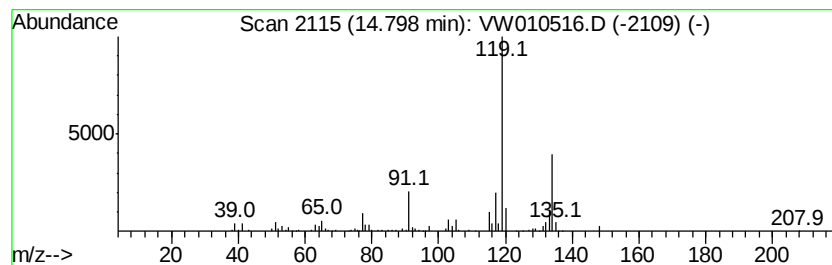
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 9 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	12.14 ug/l	124668	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		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
3		p-Cymene	134	C10H14	000099-87-6	90
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5		o-Cymene	134	C10H14	000527-84-4	90



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052219\
Data File : VW010516.D
Acq On : 22 May 2019 17:51
Operator : SY/VA
Sample : K3002-09
Misc : 5.02G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
23-C7-20190417

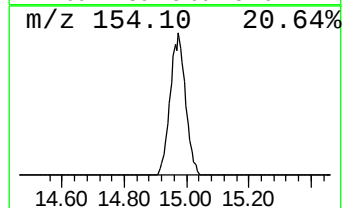
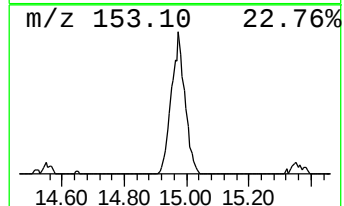
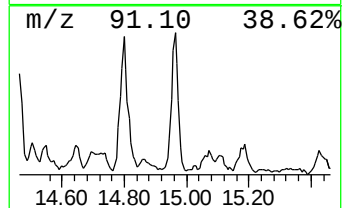
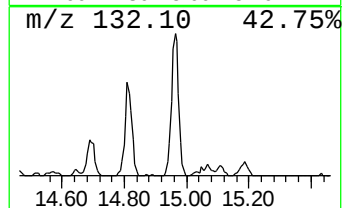
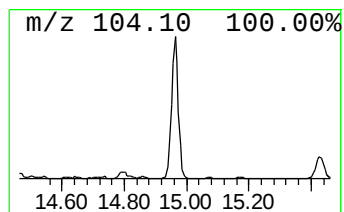
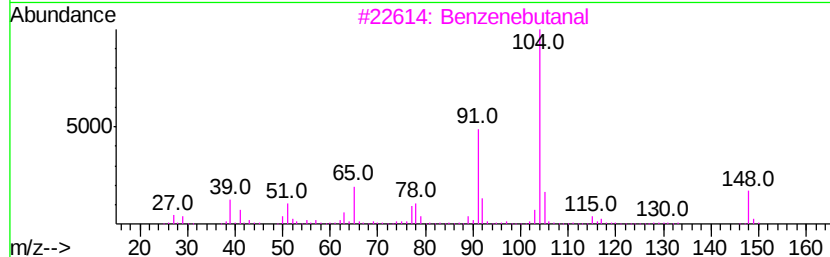
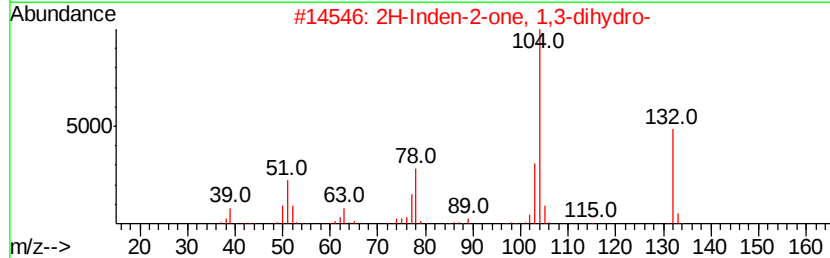
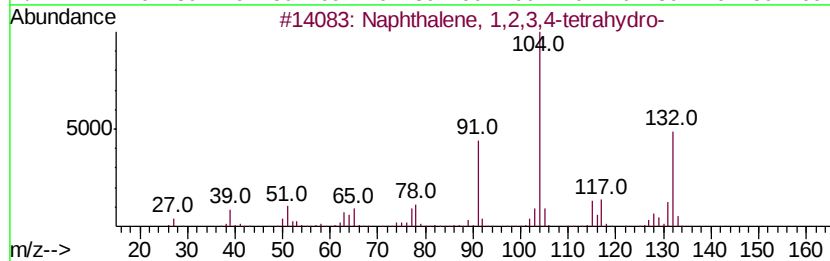
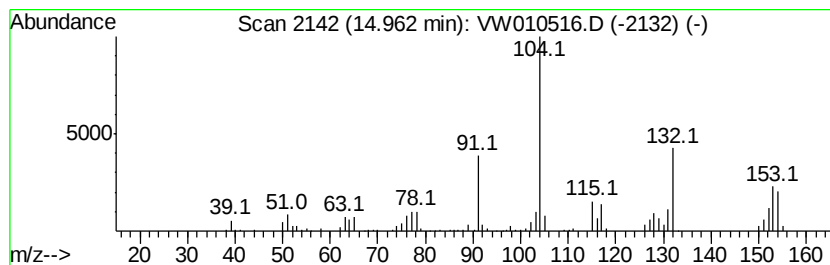
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	8.48 ug/l	87122	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2		2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	43
3		Benzenebutanal	148	C10H12O	018328-11-5	27
4		2-Pyridinecarbonitrile	104	C6H4N2	000100-70-9	22
5		Styrene	104	C8H8	000100-42-5	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW052219\
Data File : VW010516.D
Acq On : 22 May 2019 17:51
Operator : SY/VA
Sample : K3002-09
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
23-C7-20190417

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Heptane, 3-ethyl-...	12.37	10.7	ug/l	112326	3	11.63	526118	50.0
Cyclohexane, 1,1,...	12.78	7.9	ug/l	80799	4	13.56	513634	50.0
Nonane, 2,6-dimet...	13.16	12.2	ug/l	125462	4	13.56	513634	50.0
Cyclohexane, butyl-	13.45	9.0	ug/l	92272	4	13.56	513634	50.0
Undecane	13.88	30.8	ug/l	315910	4	13.56	513634	50.0
unknown14.39	14.39	5.7	ug/l	58379	4	13.56	513634	50.0
Benzene, 1,2,4,5-...	14.46	6.9	ug/l	70688	4	13.56	513634	50.0
1,3-Cyclopentadie...	14.80	12.1	ug/l	124668	4	13.56	513634	50.0
Naphthalene, 1,2,...	14.96	8.5	ug/l	87122	4	13.56	513634	50.0