

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052319\
 Data File : VW010540.D
 Acq On : 23 May 2019 19:55
 Operator : SY/VA
 Sample : K2976-12
 Misc : 6.32G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SB-MW-ER(17-20)

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	7.884	972	981	986	rBV	93888	224048	1.40%	0.117%
2	7.945	986	991	1000	rVB	169863	373459	2.33%	0.196%
3	8.305	1035	1050	1061	rVB	89953	204897	1.28%	0.107%
4	8.842	1128	1138	1149	rBV	249830	505205	3.16%	0.265%
5	10.323	1373	1381	1396	rBV2	453551	933659	5.83%	0.489%
6	10.664	1432	1437	1446	rVB	161972	287686	1.80%	0.151%
7	10.762	1446	1453	1457	rBV2	91857	191802	1.20%	0.101%
8	10.847	1463	1467	1472	rVB	105315	166284	1.04%	0.087%
9	10.939	1472	1482	1489	rVB	297009	524097	3.27%	0.275%
10	11.036	1489	1498	1506	rBV	240959	526103	3.29%	0.276%
11	11.110	1506	1510	1514	rBV	138672	242508	1.51%	0.127%
12	11.231	1523	1530	1535	rBV	866341	1582155	9.88%	0.829%
13	11.286	1535	1539	1543	rVV	163479	261402	1.63%	0.137%
14	11.341	1543	1548	1552	rVV	602815	1015949	6.35%	0.532%
15	11.384	1552	1555	1559	rVV3	169574	345661	2.16%	0.181%
16	11.439	1559	1564	1571	rVB	755024	1346099	8.41%	0.705%
17	11.512	1571	1576	1580	rBV2	216149	388753	2.43%	0.204%
18	11.634	1587	1596	1600	rBV2	348874	737624	4.61%	0.387%
19	11.768	1613	1618	1621	rBV	478479	764765	4.78%	0.401%
20	11.817	1621	1626	1630	rVB5	482463	875794	5.47%	0.459%
21	11.878	1630	1636	1640	rBV	1900073	3557781	22.22%	1.864%
22	11.920	1640	1643	1648	rVB2	1335324	2081486	13.00%	1.091%
23	11.975	1648	1652	1655	rBV2	346378	632986	3.95%	0.332%
24	12.061	1659	1666	1671	rVB3	963435	1981705	12.38%	1.039%
25	12.140	1671	1679	1685	rBV3	3255432	7330705	45.79%	3.842%
26	12.195	1685	1688	1691	rVB2	333969	332044	2.07%	0.174%
27	12.256	1691	1698	1702	rVB	3994481	6476079	40.45%	3.394%
28	12.341	1702	1712	1713	rBV4	2504071	5434849	33.94%	2.848%
29	12.371	1714	1717	1718	rBV	1132257	1351439	8.44%	0.708%
30	12.506	1735	1739	1744	rBV4	980022	1599158	9.99%	0.838%
31	12.621	1753	1758	1763	rBV3	1254423	2058713	12.86%	1.079%
32	12.707	1763	1772	1775	rBV5	1501299	3653030	22.82%	1.914%
33	12.749	1776	1779	1780	rVV2	1204539	1611512	10.06%	0.845%
34	12.786	1780	1785	1791	rVB2	4218671	7847989	49.02%	4.113%

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Integration Parameters: RTEINT.P

Integrator: RTE
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35	12.865	1791	1798	1802	rBV4	1906024	4461468	27.86%	2.338%
36	12.945	1803	1811	1816	rVV3	6593389	16011140	100.00%	8.391%
37	12.999	1816	1820	1825	rVV3	2673187	4809563	30.04%	2.520%
38	13.048	1825	1828	1829	rVV2	579217	759334	4.74%	0.398%
39	13.085	1829	1834	1838	rVV2	2498623	4634606	28.95%	2.429%
40	13.134	1838	1842	1844	rVV2	2136936	3825493	23.89%	2.005%
41	13.170	1844	1848	1855	rVV2	7376023	13015476	81.29%	6.821%
42	13.255	1856	1862	1866	rVV	8381849	14453229	90.27%	7.574%
43	13.298	1866	1869	1873	rVV	1827847	3224726	20.14%	1.690%
44	13.347	1873	1877	1880	rVV2	1605595	3033639	18.95%	1.590%
45	13.383	1880	1883	1887	rVV2	1426373	2370047	14.80%	1.242%
46	13.451	1887	1894	1898	rVV3	4902288	10442129	65.22%	5.472%
47	13.493	1898	1901	1910	rVV3	2106384	4325013	27.01%	2.267%
48	13.591	1912	1917	1922	rVB	3826721	5749954	35.91%	3.013%
49	13.719	1930	1938	1940	rBV5	888220	2245800	14.03%	1.177%
50	13.755	1940	1944	1948	rVV2	2117008	3356743	20.97%	1.759%
51	13.798	1948	1951	1959	rVB3	1239248	2208484	13.79%	1.157%
52	13.883	1959	1965	1969	rBV2	3994474	6803320	42.49%	3.565%
53	13.926	1969	1972	1975	rVV	718922	1018256	6.36%	0.534%
54	13.987	1978	1982	1983	rVV2	743610	1047188	6.54%	0.549%
55	14.018	1983	1987	1989	rVV	1741970	2902027	18.13%	1.521%
56	14.042	1989	1991	1996	rVV	1853499	3009867	18.80%	1.577%
57	14.103	1996	2001	2005	rVB	1872111	2949016	18.42%	1.545%
58	14.207	2013	2018	2023	rVB3	1350125	2330556	14.56%	1.221%
59	14.267	2023	2028	2035	rVV7	533589	1254912	7.84%	0.658%
60	14.341	2035	2040	2044	rVV2	893935	1612533	10.07%	0.845%
61	14.389	2044	2048	2051	rVV2	1430019	2334759	14.58%	1.224%
62	14.426	2051	2054	2057	rVV	851786	1341392	8.38%	0.703%
63	14.463	2057	2060	2064	rVB	1202836	1552558	9.70%	0.814%
64	14.505	2064	2067	2070	rVV	308356	349361	2.18%	0.183%
65	14.554	2070	2075	2081	rVB4	643839	1116907	6.98%	0.585%
66	14.694	2094	2098	2102	rBV4	176225	320230	2.00%	0.168%
67	14.737	2102	2105	2109	rVV	295554	409090	2.56%	0.214%
68	14.798	2109	2115	2121	rVV2	1029736	2044662	12.77%	1.072%
69	14.859	2121	2125	2131	rVB2	259346	510740	3.19%	0.268%
70	14.962	2137	2142	2147	rVB	543101	835128	5.22%	0.438%
71	15.072	2156	2160	2163	rBV3	120121	168539	1.05%	0.088%

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Integration Parameters: RTEINT.P
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Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	15.176	2173	2177	2184	rVB4	148400	325074	2.03%	0.170%
73	15.371	2205	2209	2214	rVB	131937	208385	1.30%	0.109%

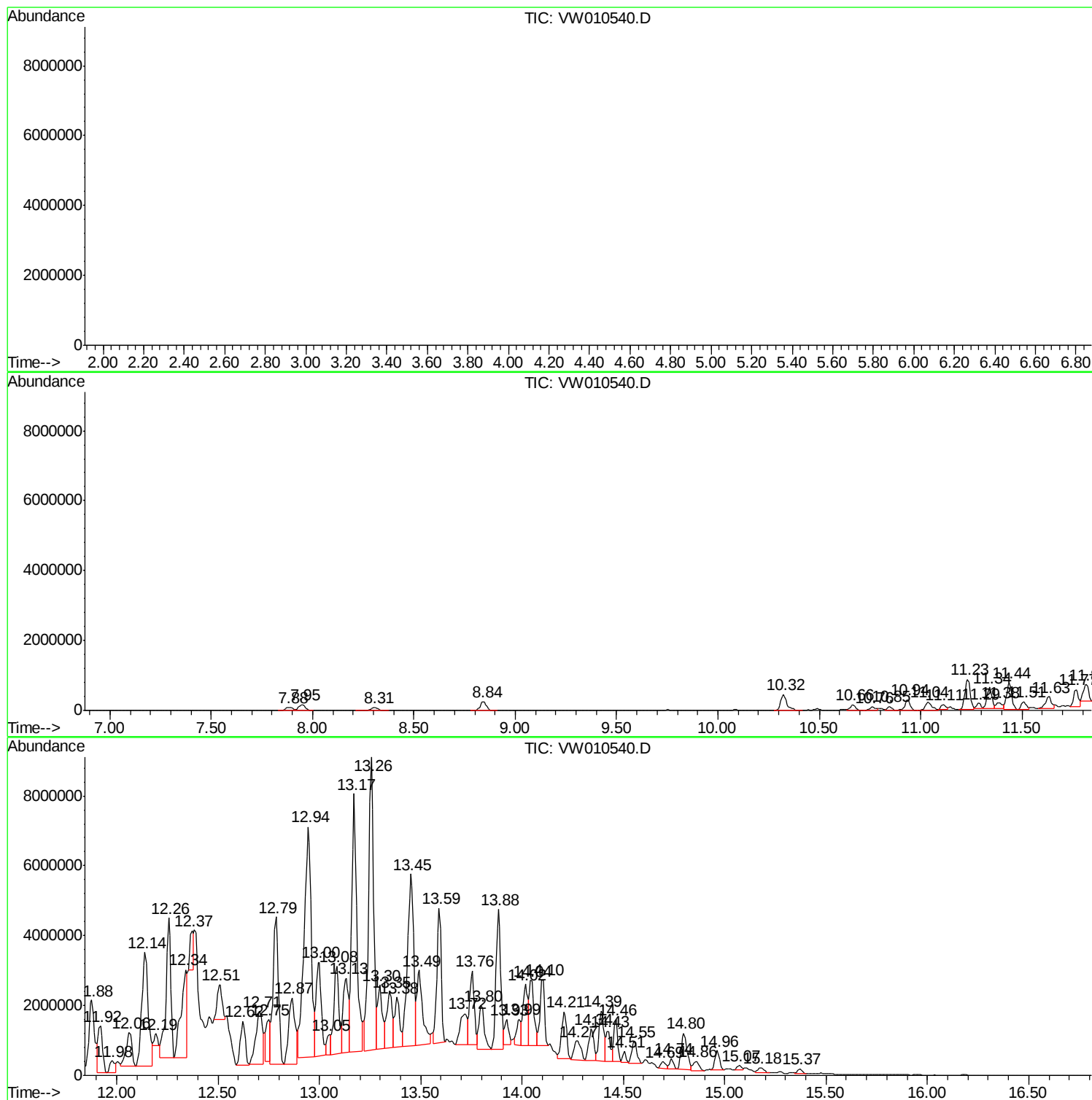
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Instrument :
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ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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



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Misc : 6.32G/5ML/MSVOA W/SOIL
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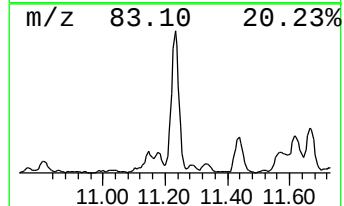
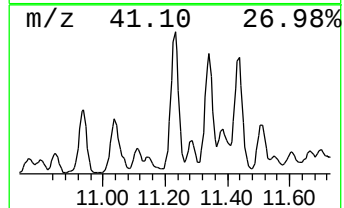
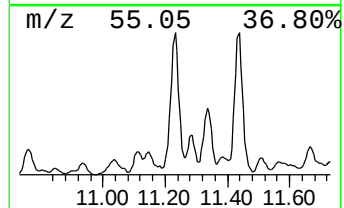
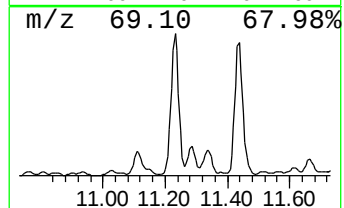
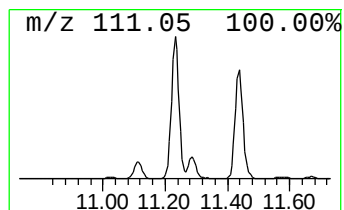
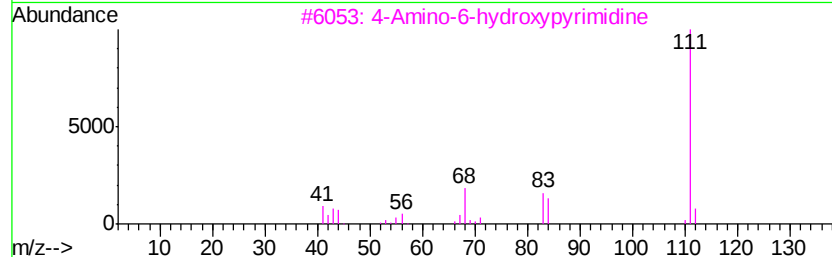
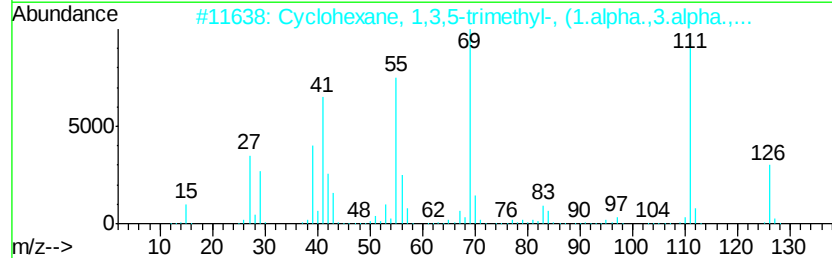
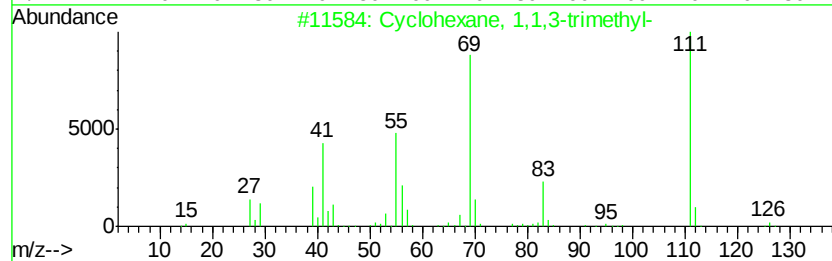
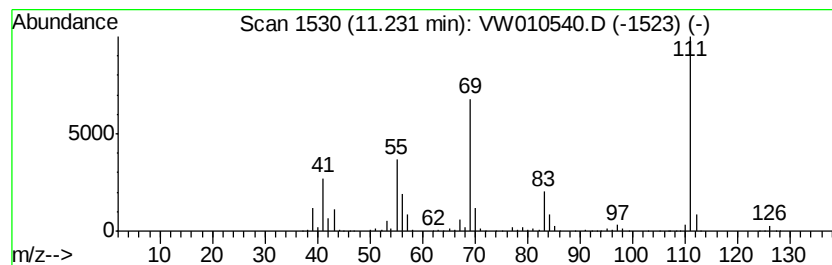
Instrument :
MSVOA_W
ClientSampleID :
EP1-SB-MW-ER(17-20)

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 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.23	107.25 ug/l	1582160	Chlorobenzene-d5	11.63		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cvclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2		Cyclohexane, 1,3,5-trimethyl-, (...)	126	C9H18	001795-26-2	72
3		4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	64
4		Cyclohexane, 1,4-dimethyl-2-octa...	364	C26H52	055282-02-5	59
5		Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	59



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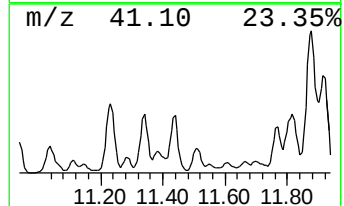
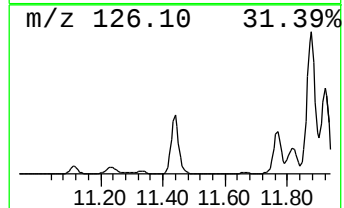
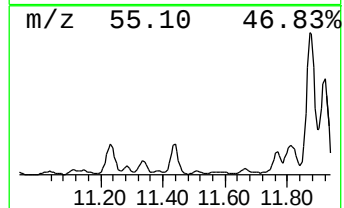
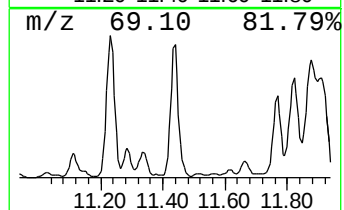
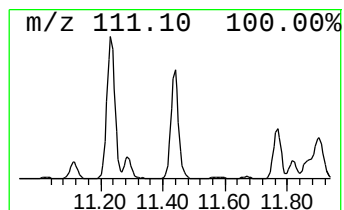
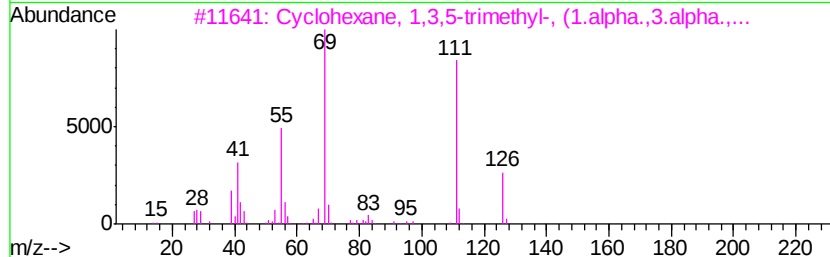
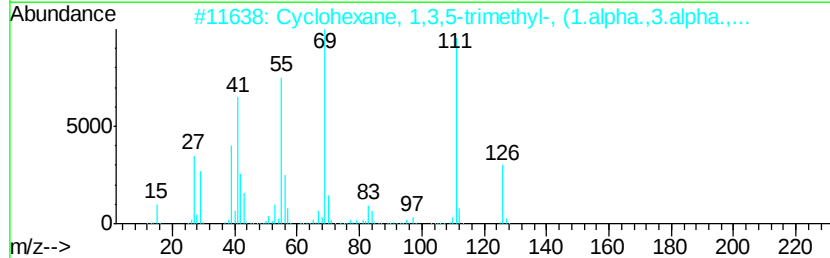
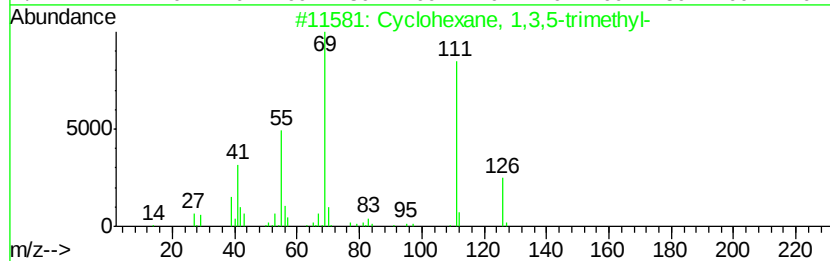
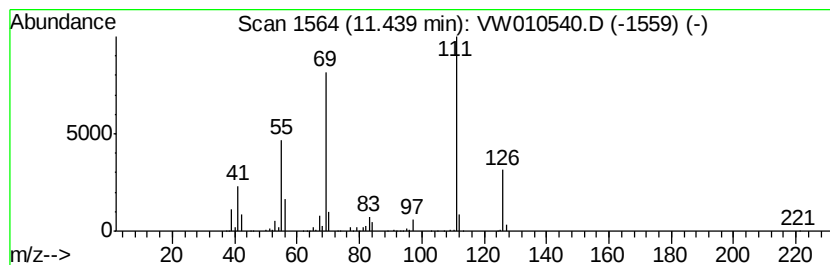
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 2 Cyclohexane, 1,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	91.25 ug/l	1346100	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	91
2		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3		Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	91
4		Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
5		Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	87



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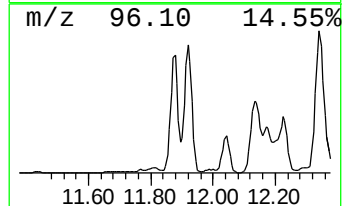
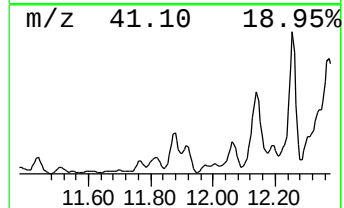
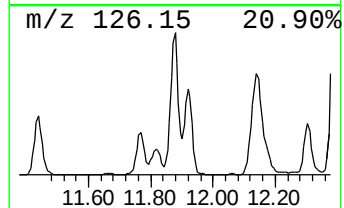
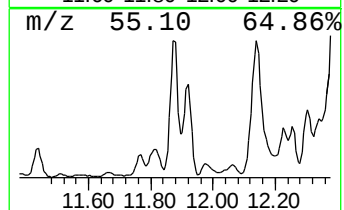
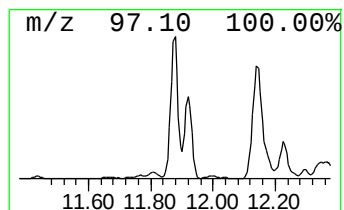
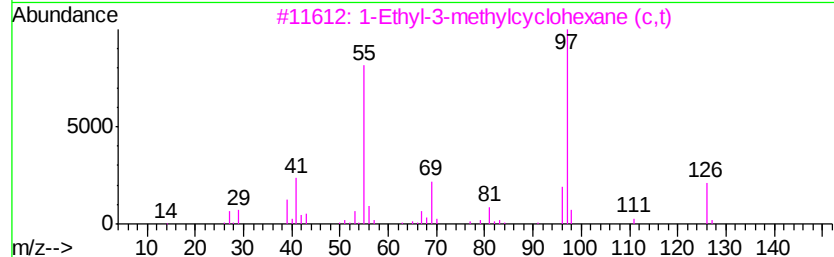
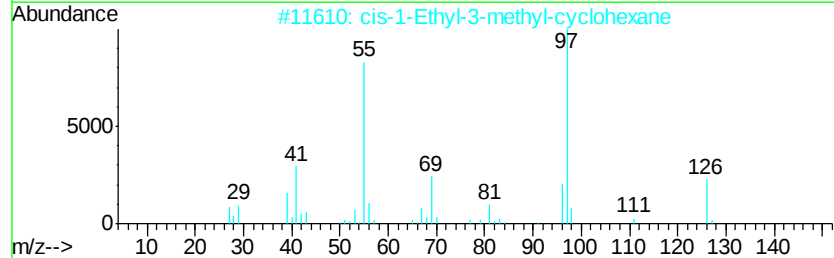
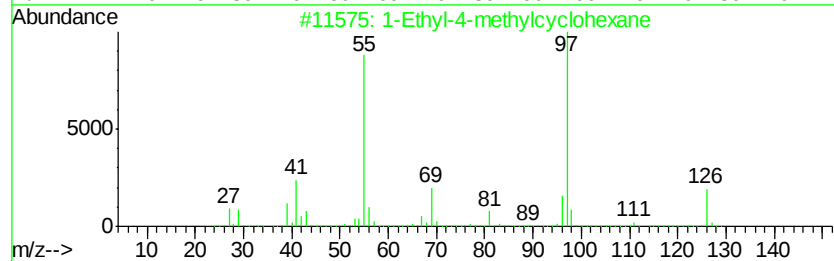
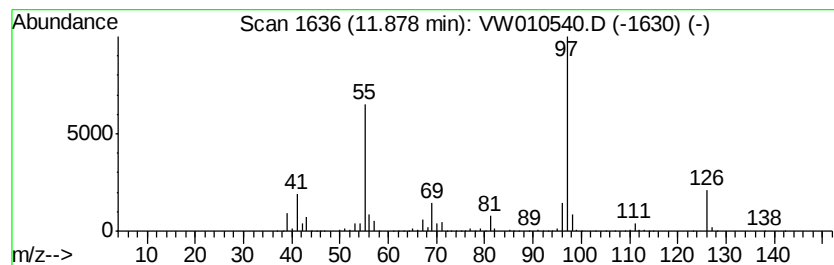
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 3 1-Ethyl-4-methylcyclohexane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	241.17 ug/l	3557780	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2		cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	91
3		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
4		Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	87
5		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87



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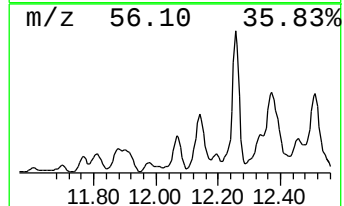
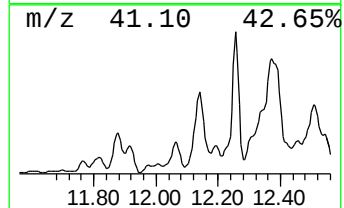
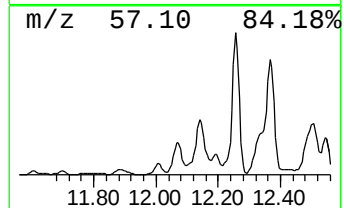
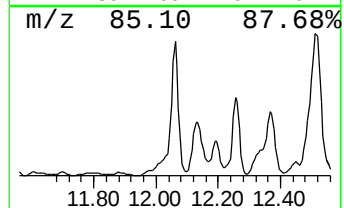
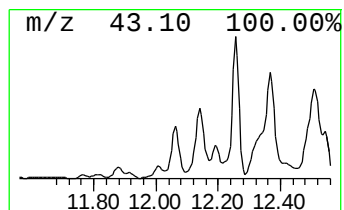
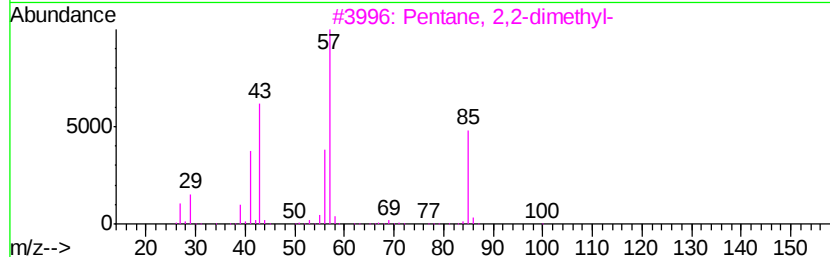
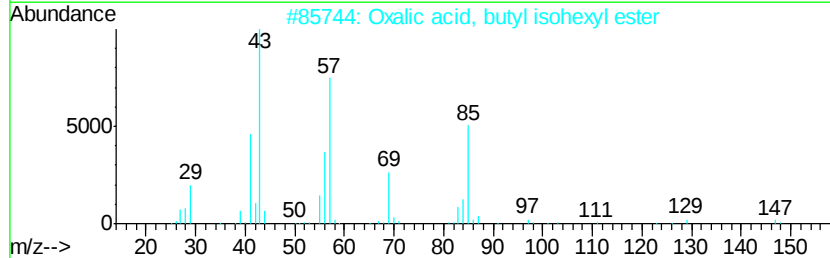
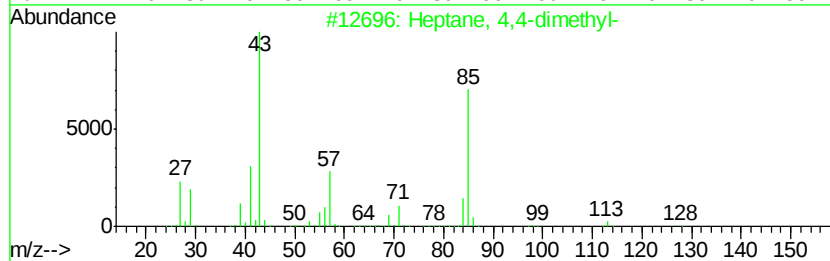
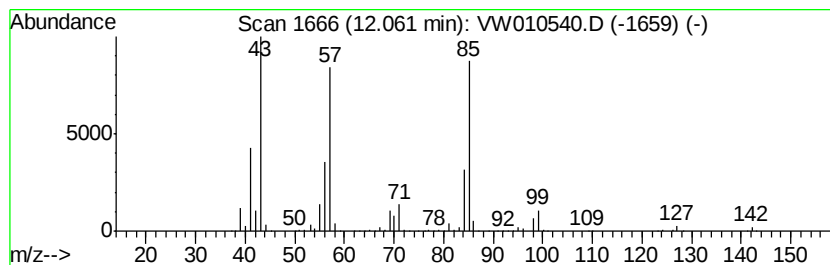
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Quant Title : SW846 8260

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

Peak Number 5 Heptane, 4,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	134.33 ug/l	1981710	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4,4-dimethyl-	128	C9H20		001068-19-5	59
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4		1000309-32-7	59
3	Pentane, 2,2-dimethyl-	100	C7H16		000590-35-2	53
4	Sulfurous acid, hexyl octyl ester	278	C14H30O3S		1000309-13-0	53
5	Pentane, 3-ethyl-3-methyl-	114	C8H18		001067-08-9	53



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

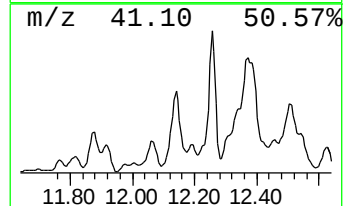
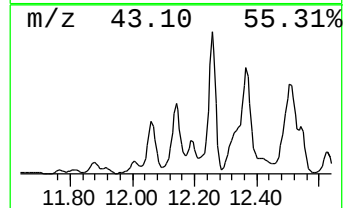
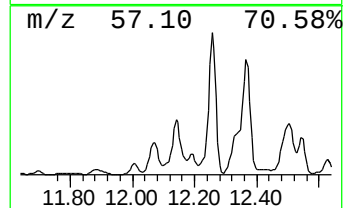
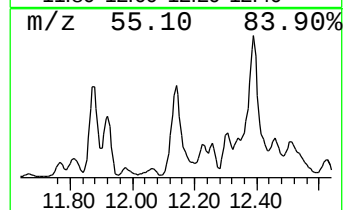
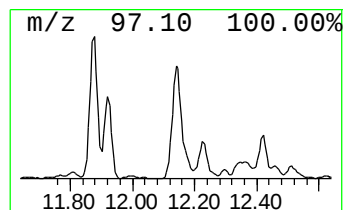
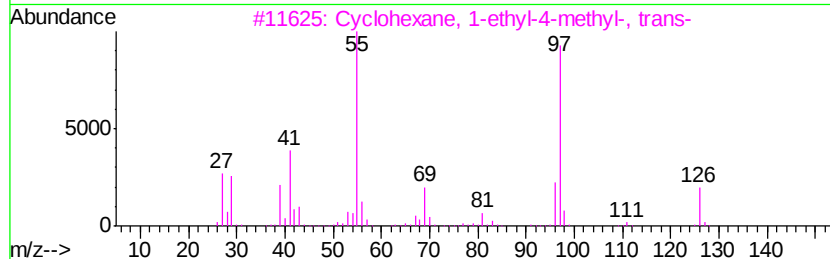
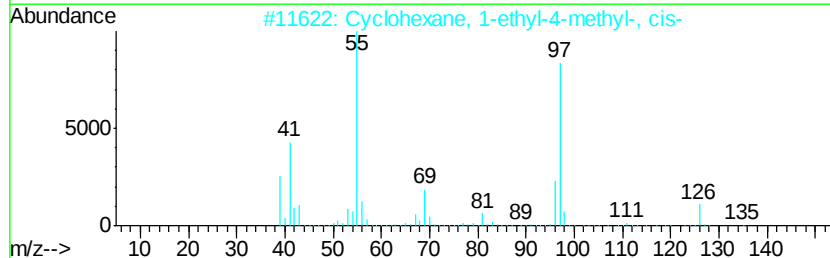
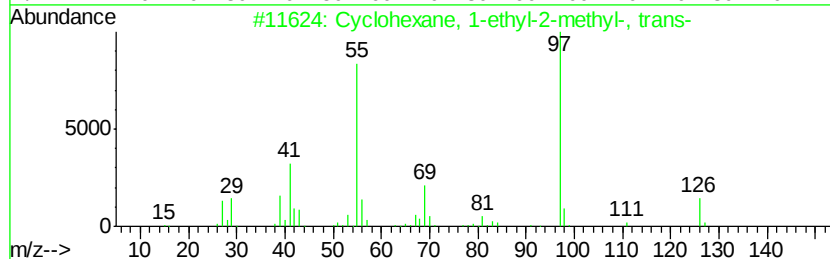
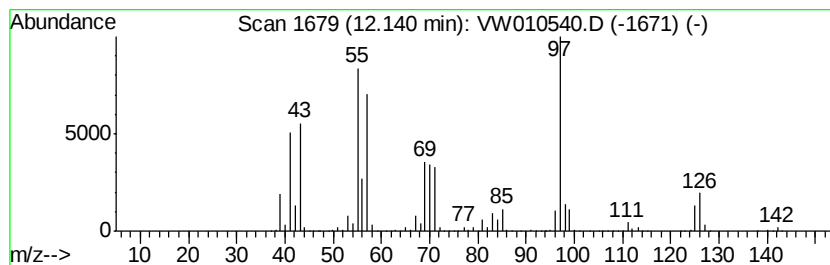
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Quant Title : SW846 8260

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

Peak Number 6 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	496.91 ug/l	7330710	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
3		Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
4		Thiophene, 2-propyl-	126	C7H10S	001551-27-5	46
5		1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	46



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

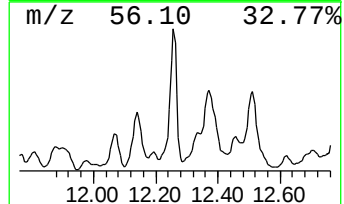
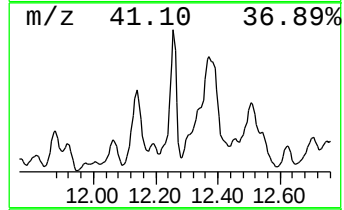
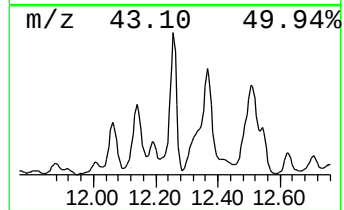
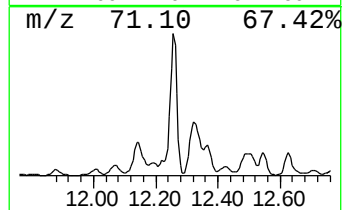
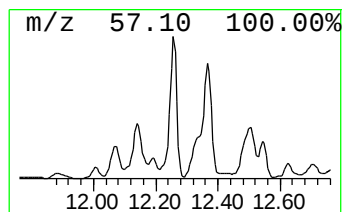
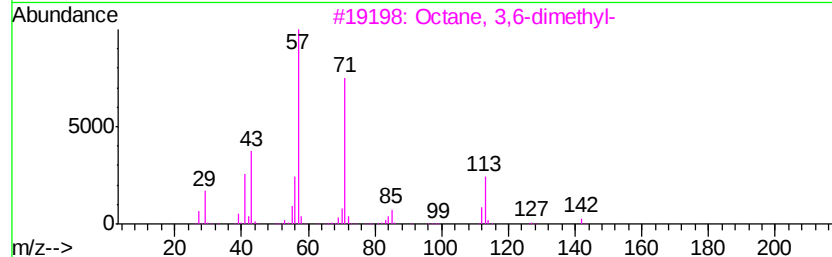
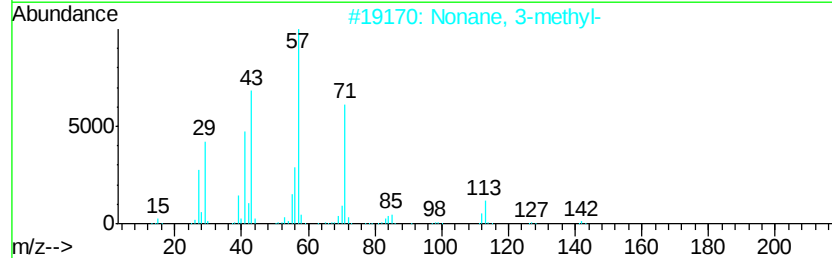
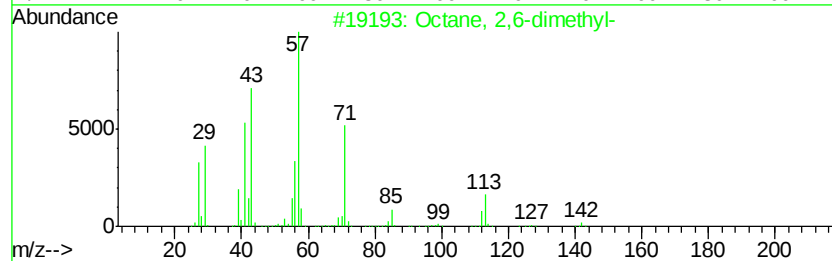
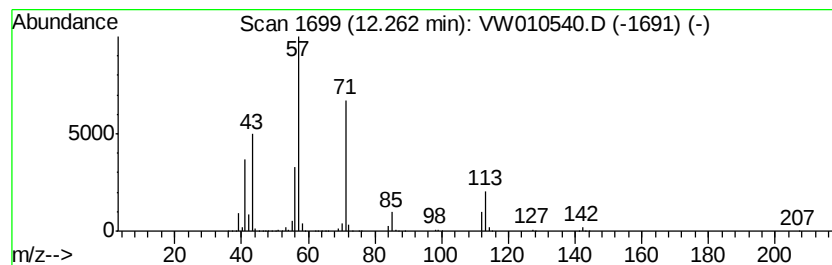
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Quant Title : SW846 8260

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

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	438.98 ug/l	6476080	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
4		Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5		Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

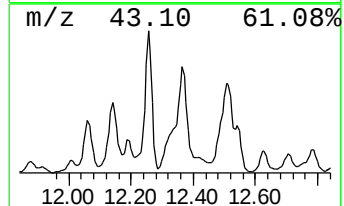
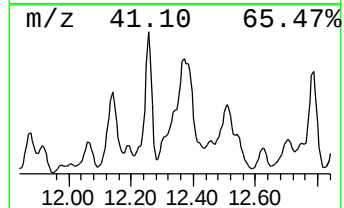
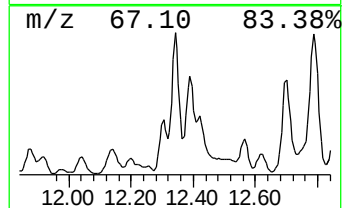
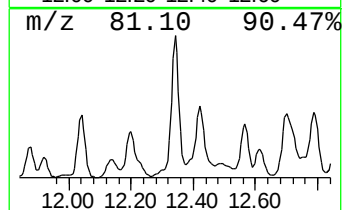
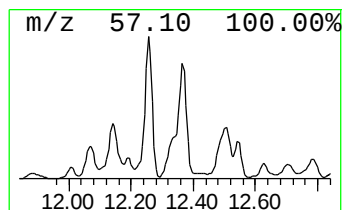
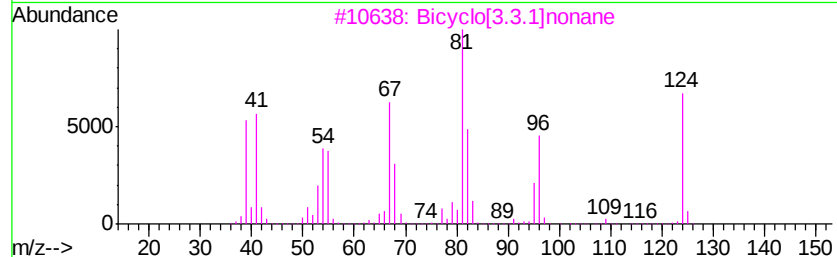
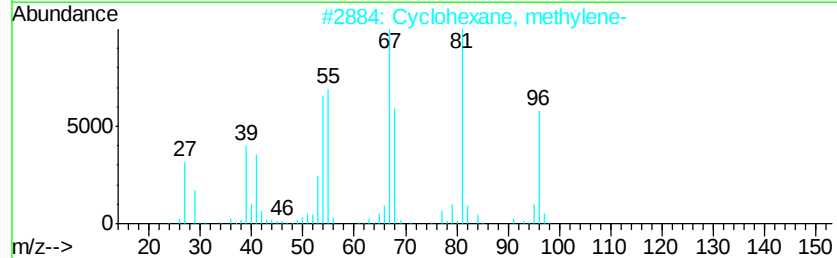
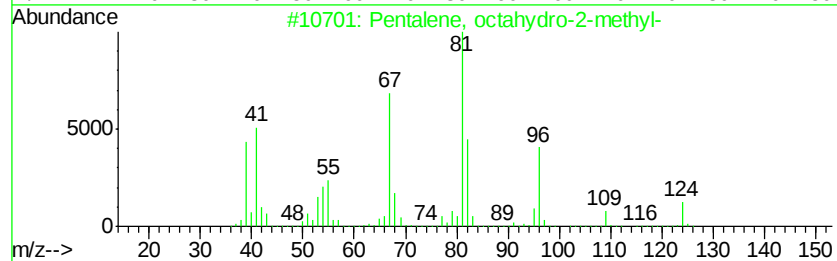
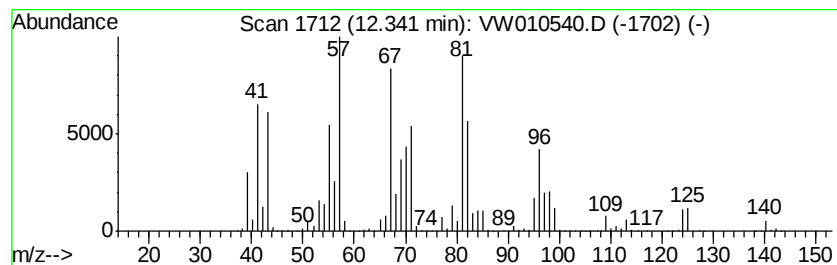
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 8 Pentalene, octahydro-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	368.40 ug/l	5434850	Chlorobenzene-d5	11.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	83
2		Cyclohexane, methylene-	96	C7H12	001192-37-6	50
3		Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	46
4		1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	38
5		1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	30



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

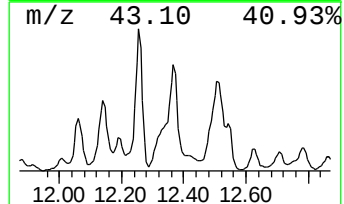
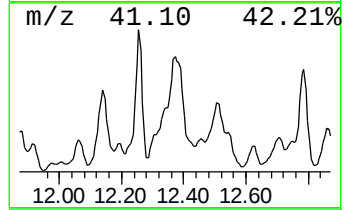
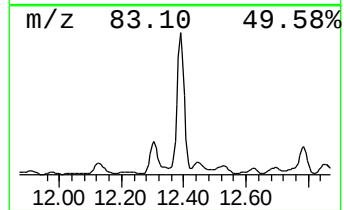
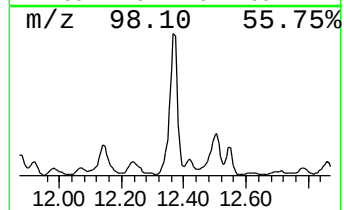
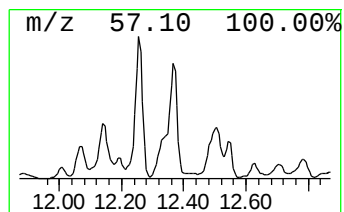
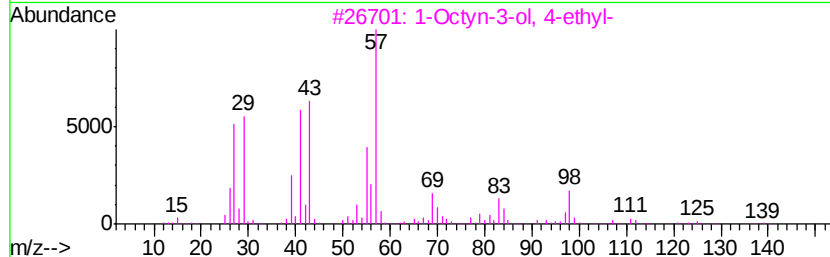
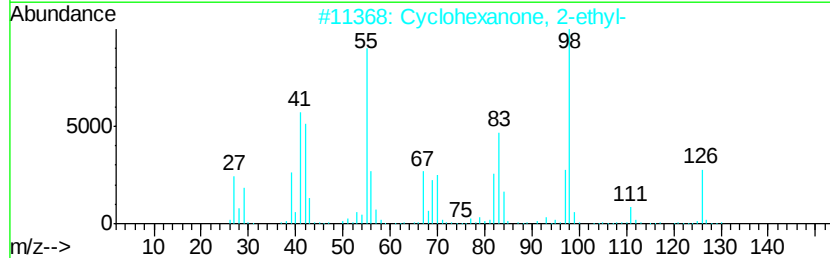
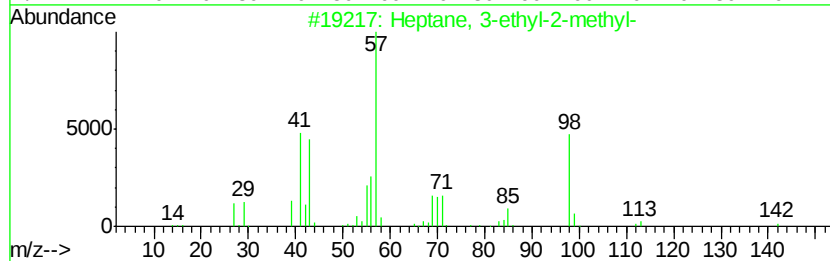
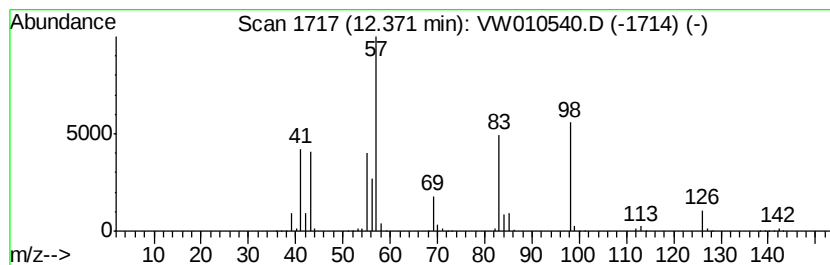
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Quant Title : SW846 8260

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

Peak Number 9 Heptane, 3-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	91.61 ug/l	1351440	Chlorobenzene-d5	11.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
2		Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	43
3		1-Octyn-3-ol, 4-ethyl-	154	C10H18O	005877-42-9	37
4		Boronic acid, diethyl-	86	C4H11BO	004426-31-7	25
5		Heptane, 4-propyl-	142	C10H22	003178-29-8	22



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

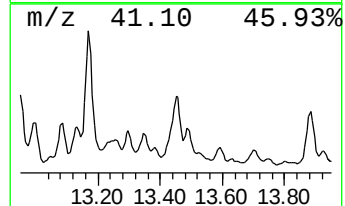
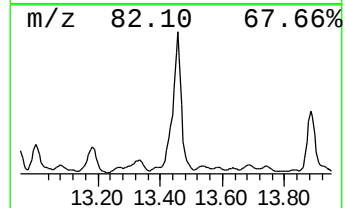
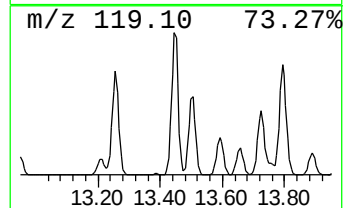
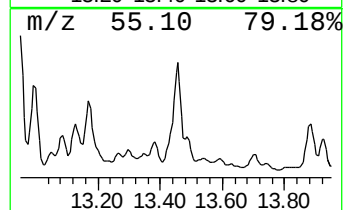
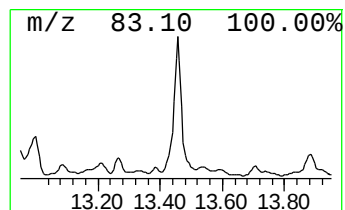
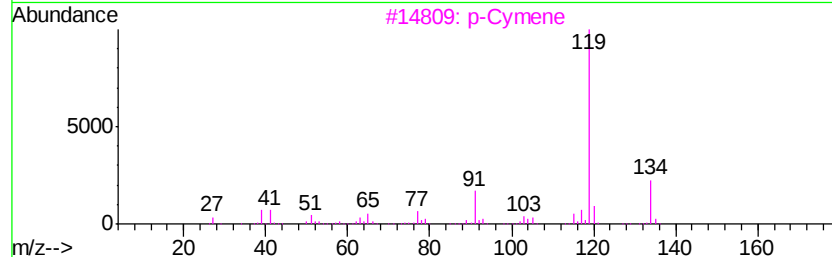
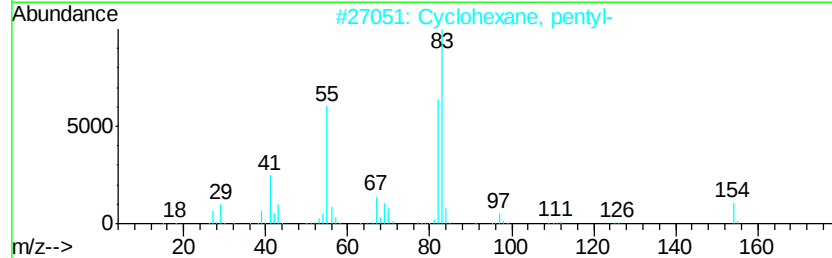
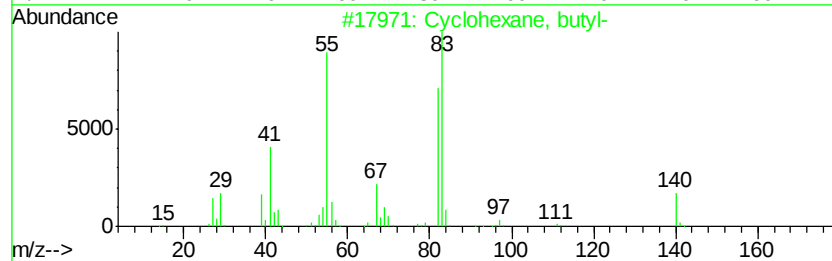
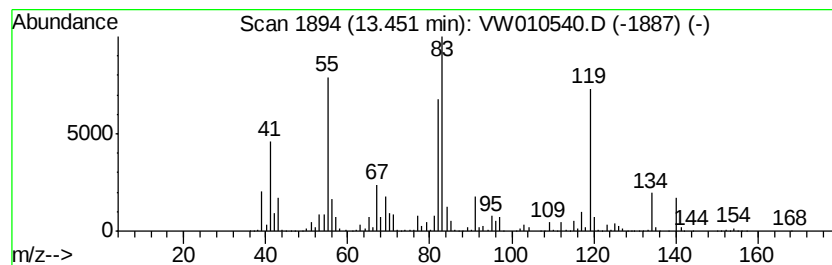
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	90.80 ug/l	10442100	1,4-Dichlorobenzene-d4	13.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3		p-Cymene	134	C10H14	000099-87-6	78
4		o-Cymene	134	C10H14	000527-84-4	74
5		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	74



Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW052319\
Data File : VW010540.D
Acq On : 23 May 2019 19:55
Operator : SY/VA
Sample : K2976-12
Misc : 6.32G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP1-SB-MW-ER(17-20)

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
Cyclohexane, 1,1,...	11.23	107.3	ug/l	1582160	3	11.63	737624	50.0
Cyclohexane, 1,3,...	11.44	91.3	ug/l	1346100	3	11.63	737624	50.0
1-Ethyl-4-methylc...	11.88	241.2	ug/l	3557780	3	11.63	737624	50.0
Heptane, 4,4-dime...	12.06	134.3	ug/l	1981710	3	11.63	737624	50.0
Cyclohexane, 1-et...	12.14	496.9	ug/l	7330710	3	11.63	737624	50.0
Octane, 2,6-dimet...	12.26	439.0	ug/l	6476080	3	11.63	737624	50.0
Pentalene, octahy...	12.34	368.4	ug/l	5434850	3	11.63	737624	50.0
Heptane, 3-ethyl-...	12.37	91.6	ug/l	1351440	3	11.63	737624	50.0
Cyclohexane, butyl-	13.45	90.8	ug/l	10442100	4	13.56	5749950	50.0