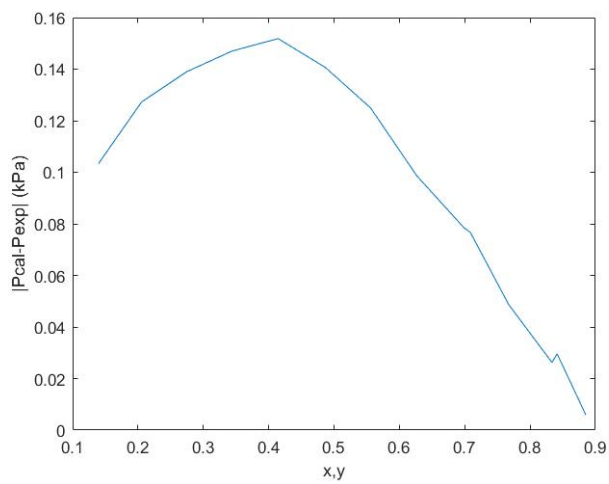
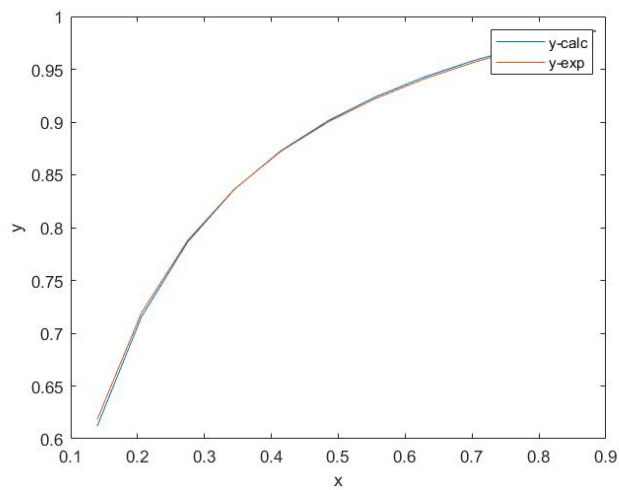
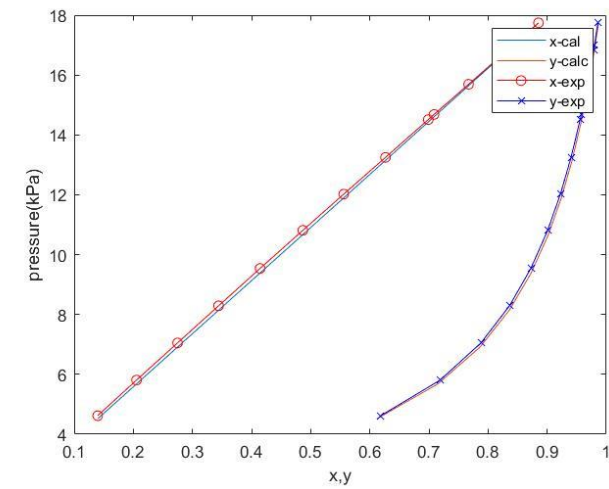
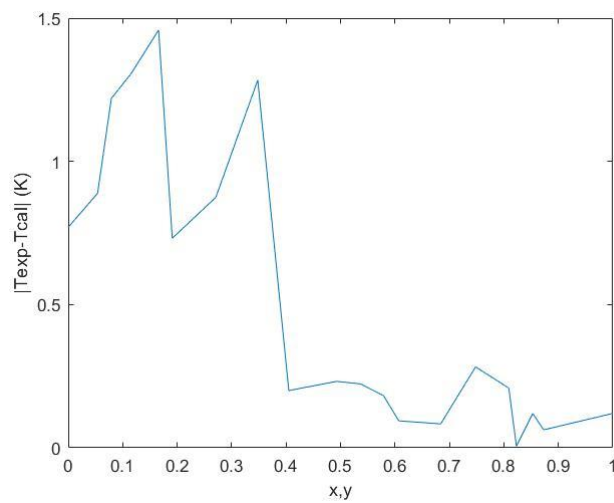
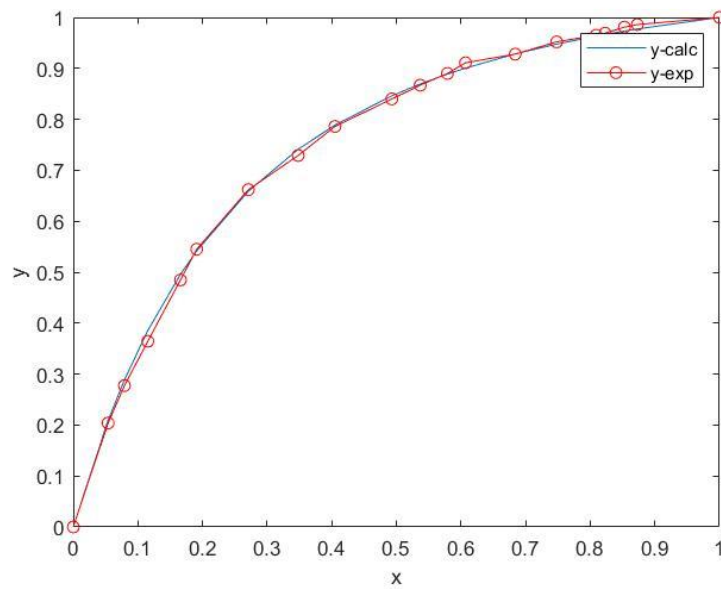
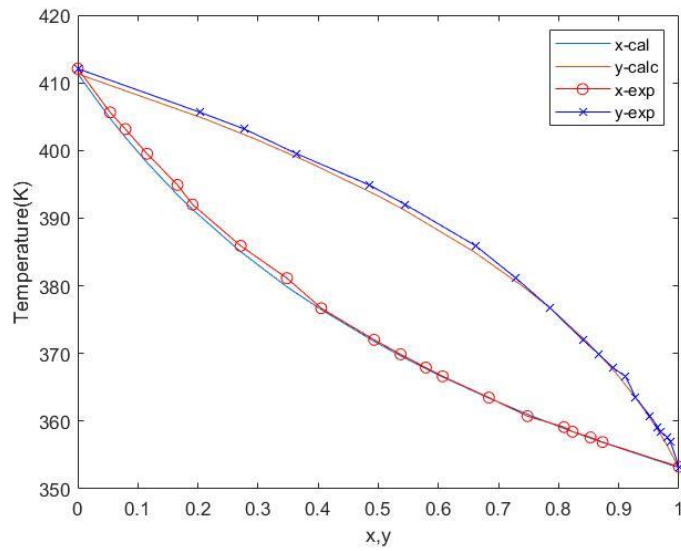


The following graphs are for the first part of problem 1



According to the graphs it is clear that the system follows Raoult's law.

The following graphs are for the second part of problem 1



According to the graphs it is clear that the system follows Raoult's law.