Homework #4

Problems 4.1, 4.3, & extra problem below.

Extra Problem:
The table on the right shows the molar composition of a C3/C4 mixture that you would like to safely store at 100°F.

Use information from Table B.1 in the textbook to answer the following questions.

- What minimum pressure is necessary to store as a liquid at 100°F?
- The sample is actually stored at 75 psia. What is the molar fraction as vapor phase? What is the propane mole fraction in the resulting liquid phase?

Answer the same questions using either Aspen Plus or HYSYS.