CHM 100: Chapter 7 practice set: Simple mass, mole, and volume conversions

## Perform the following calculations.

1) Calculate the volume (in mL) of 1.50 M NaCl solution required to provide 0.500 moles of NaCl.

2) Calculate the number of moles of KCl present in 125 mL of 0.250 M KCl solution.

3) Calculate the mass of 0.777 moles of KNO<sub>3</sub>.

4) Calculate the number of moles present in 75.0 kg of NaNO<sub>3</sub>.