Try these exercises and view the animated solutions

1) A solution is labelled 23.00% m/v KNO_3 . What is the concentration in mol/L?

Solution

2) A sample of contaminated water is labelled as having a lead concentration of 34 ppm. What is the concentration in %m/v?

Solution

3) 3. A solution is labelled 230 ppm KNO_3. What is the concentration of KNO_3 in mol/L?
Solution

4) A bottle with a clear solution is labelled as having an alcohol (ethanol) content of 13.9%v/v. What is the concentration of ethanol in mol/L?
(density of ethanol = 0.789g/mL)
Solution