(12) $NH_4Br = 97.9426\,g$

$\%N = \frac{14.0079\,g}{97.9426\,g} \times 100 = 14.30\%\ N$

$\%H = \frac{4.0316\,g}{97.9426\,g} \times 100 = 4.12\%\ H$

$\%Br = \frac{79.904\,g}{97.9426\,g} \times 100 = 81.58\%\ Br$

(13) $Ca(NO_3)_2 = 164.094\,g$

$\%\ Ca = \frac{40.08\,g}{164.094\,g} \times 100 = 24.43\%\ Ca$

$\%\ N = \frac{28.014\,g}{164.094\,g} \times 100 = 17.07\%\ N$

$\%\ O = \frac{96\,g}{164.094\,g} \times 100 = 58.50\%\ O$

(16) $Zn_3(PO_4)_2 = 386.118\,g$

$\%\ Zn = \frac{196.179}{386.118\,g} \times 100 = 50.81\%\ Zn$

$\%\ P = \frac{61.948\,g}{386.118\,g} \times 100 = 16.04\%\ P$

$\%\ O = \frac{128\,g}{386.118\,g} \times 100 = 33.15\%\ O$

(18) $(NH_4)_2SO_4 = 132.1292\,g$

$\%\ N = \frac{28\,g}{132.1292\,g} \times 100 = 21.19\%\ N$

$\%\ H = \frac{8.0632\,g}{132.1292\,g} \times 100 = 6.10\%\ H$

$\%\ S = \frac{32.064\,g}{132.1292\,g} \times 100 = 24.27\%\ S$

$\%\ O = \frac{64\,g}{132.1292\,g} \times 100 = 48.44\%\ O$

(19) $CuSO_4 \cdot 5H_2O = 249.612g$

$\%\ Cu = \frac{63.546g}{249.612g} \times 100 = 25.46\%\ Cu$

$\%\ S = \frac{32.066g}{249.612g} \times 100 = 12.85\%\ S$

$\%\ O = \frac{64g}{249.612g} \times 100 = 25.64\%\ O$

$\%\ H_2O = \frac{90g}{249.612g} \times 100 = 36.06\%\ H_2O$

(28) $PBr_3 = 270.686g$

$\%\ P = \frac{30.974g}{270.686g} \times 100 = 11.44\%\ P$

$\%\ Br = \frac{239.712g}{270.686g} \times 100 = 88.56\%\ Br$

(41) $SrCl_2$

$\%\ Sr = \frac{87.62g\ Sr}{158.526g} \times 100 = 55.27\%\ Sr$

(42) $CaCO_3$

$\%\ C = \frac{12.01g}{100.185} \times 100 = 11.99\%\ C$

(43) $CuSO_4 \cdot 5H_2O$

$\%\ H_2O = \frac{90g}{249.612g} \times 100 = 36.06\%\ H_2O$

(44) $Ca(C_2H_3O_2)_2 = 158.17g$

$\%\ H = \frac{6.047g}{158.17g} \times 100 = 3.82\%\ H$

(48) $KMnO_4$

$\%\ O = \frac{64g}{158.036} \times 100 = 40.50\%\ O$