(a) oxygen in aluminum nitrate

$$M (Al(NO_3)_3) = 213$$

$$w(O) = 9*16/213 = 0.676 \text{ or } 67.6 \%$$

(b) carbon in C_2H_2

$$M(C_2H_2) = 26$$

$$w(C) = 2*12/26 = 0.923 \text{ or } 92.3 \%$$

(c) oxygen in HC₆H₇O₆

$$M(HC_6H_7O_6) = 176$$

$$w(O) = 6*16/176 = 0.545 \text{ or } 54.5 \%$$

Answer provided by www.AssignmentExpert.com