

Solución

1.

$$C: \frac{92.38}{12} = 7.691 \div 7.691 = 1 \quad CH$$

$$H: \frac{7.79}{1} = 7.7 \div 7.691 = 1$$

2.

$$Na: \frac{32.49}{23} = 1.408 \div 0.706 = 2 \quad Na_2SO_4$$

$$S: \frac{22.59}{32} = 0.706 \div 0.706 = 1$$

$$O: \frac{45.19}{16} = 2.818 \div 0.706 = 4$$

3.

$$C: \frac{489}{12} = 40.75 \div 0.4 = 10 \quad C_{10}H_{10}N_2SO_2$$

$$H: \frac{49}{1} = 49 \div 0.4 = 10$$

$$N: \frac{12.89}{14} = 0.914 \div 0.4 = 2$$

$$S: \frac{12.89}{32} = 0.4 \div 0.4 = 1$$

$$O: \frac{12.89}{16} = 0.8 \div 0.4 = 2$$

4.

$$\text{N: } \frac{0,79 \text{ g}}{14} = 0,056 = 0,056 = 1 \quad \text{NO}_3$$

$$\text{O: } \frac{0,181 \text{ g}}{16} = 0,0113 = 0,056 = 3$$

5.

$$\text{Na: } \frac{21,6 \text{ g}}{23} = 0,939 = 0,939 = 1 \quad \text{NaClO}_3$$

$$\text{Cl: } \frac{33,3 \text{ g}}{35} = 0,951 = 0,939 = 1$$

$$\text{O: } \frac{45,1 \text{ g}}{16} = 2,818 = 0,939 = 3$$