

Answer on Question 75999 in General Chemistry

$$m(\text{CH}_4) = 100 \text{ g}$$

$$\omega(\text{C}) = 75.00 \%$$

$$m(\text{C}) = ?$$

Solution:

To find the mass of C we use formula

$$m(\text{C}) = \frac{m(\text{CH}_4) \times \omega(\text{C})}{100} = \frac{100 \times 75}{100} = 75 \text{ g}$$

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