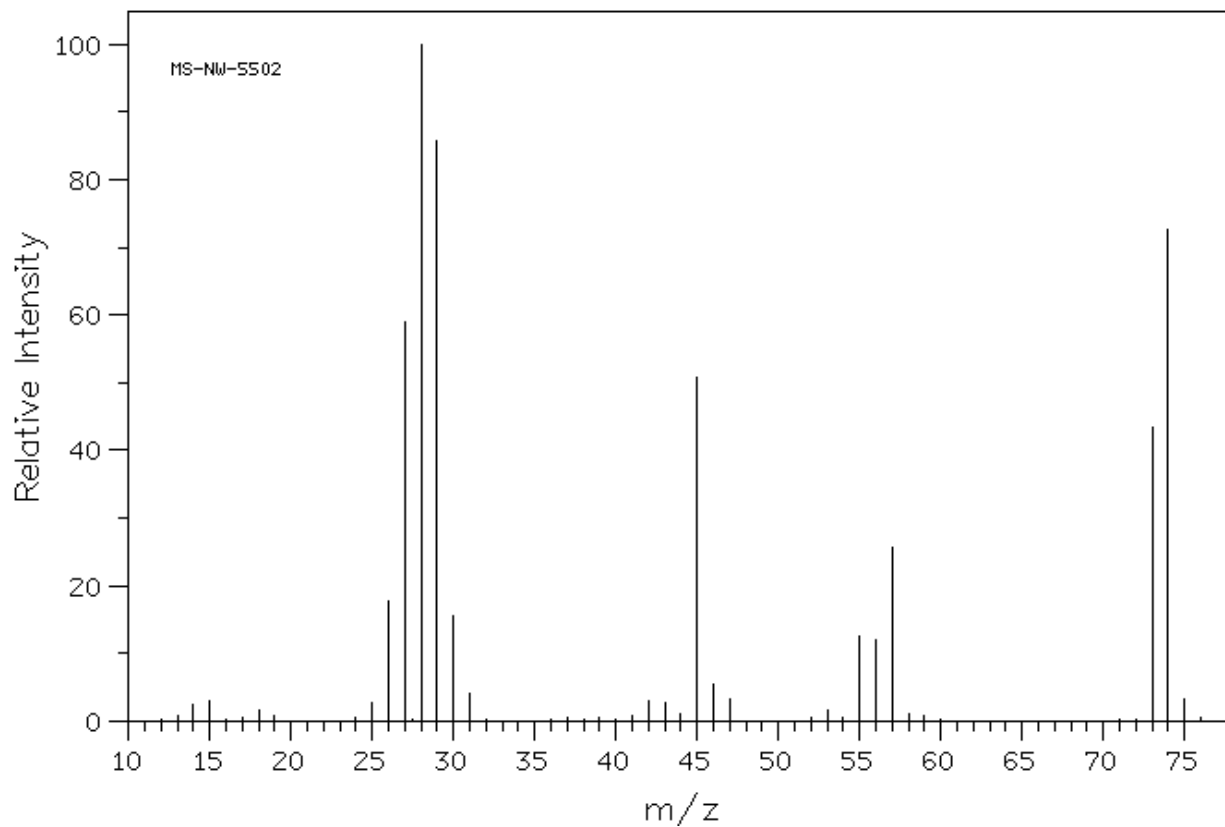


Organic Chemistry II

CHM 224

Consider the mass spectrum, below, of an organic acid with a molecular formula of $C_3H_6O_2$.



Define the following:

molecular ion

base peak

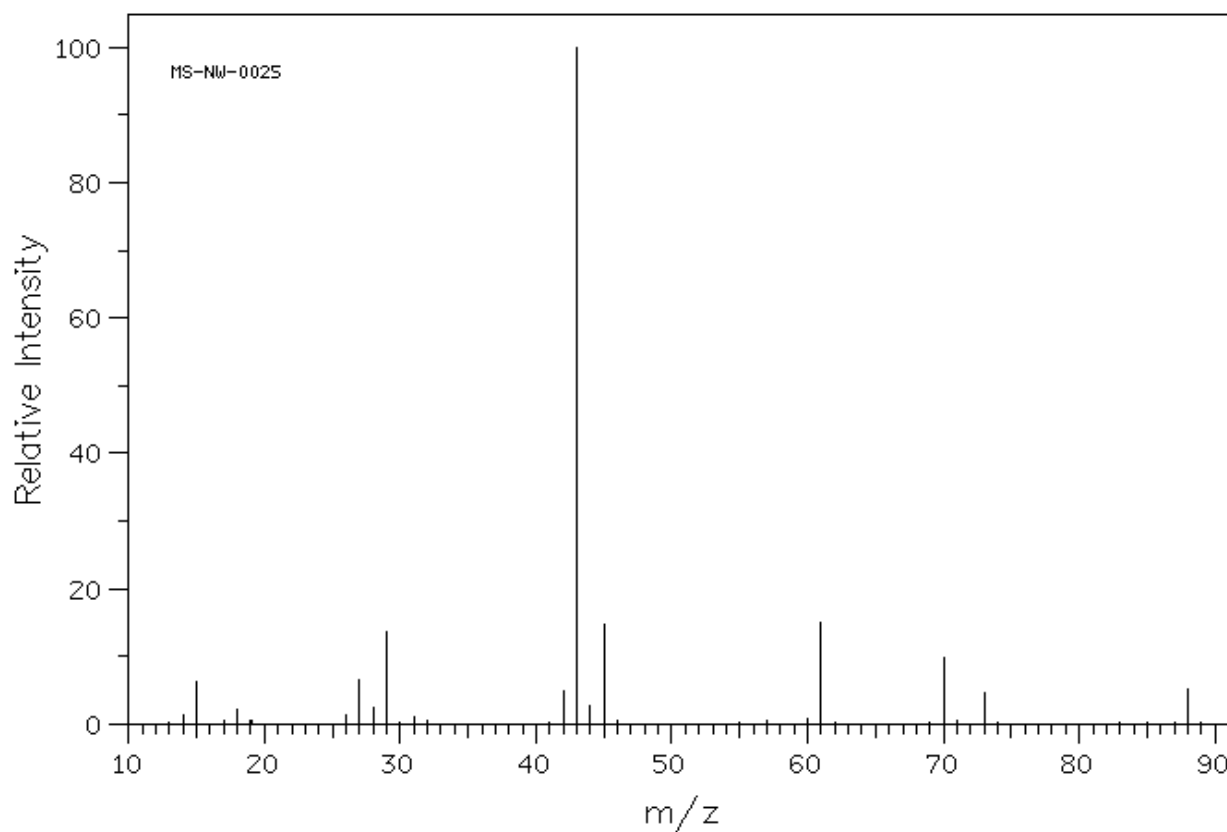
degree of unsaturation

Identify the organic molecule.

What fragment is represented by the peak at 45 (m/z)?

What is the most common fragment?

Consider the mass spectrum, below, of an ester.



Define the following:

molecular ion

base peak

molecular formula

degree of unsaturation

Identify the organic molecule from the information given in the spectrum

What fragment is represented by the peak at 43 (m/z)?