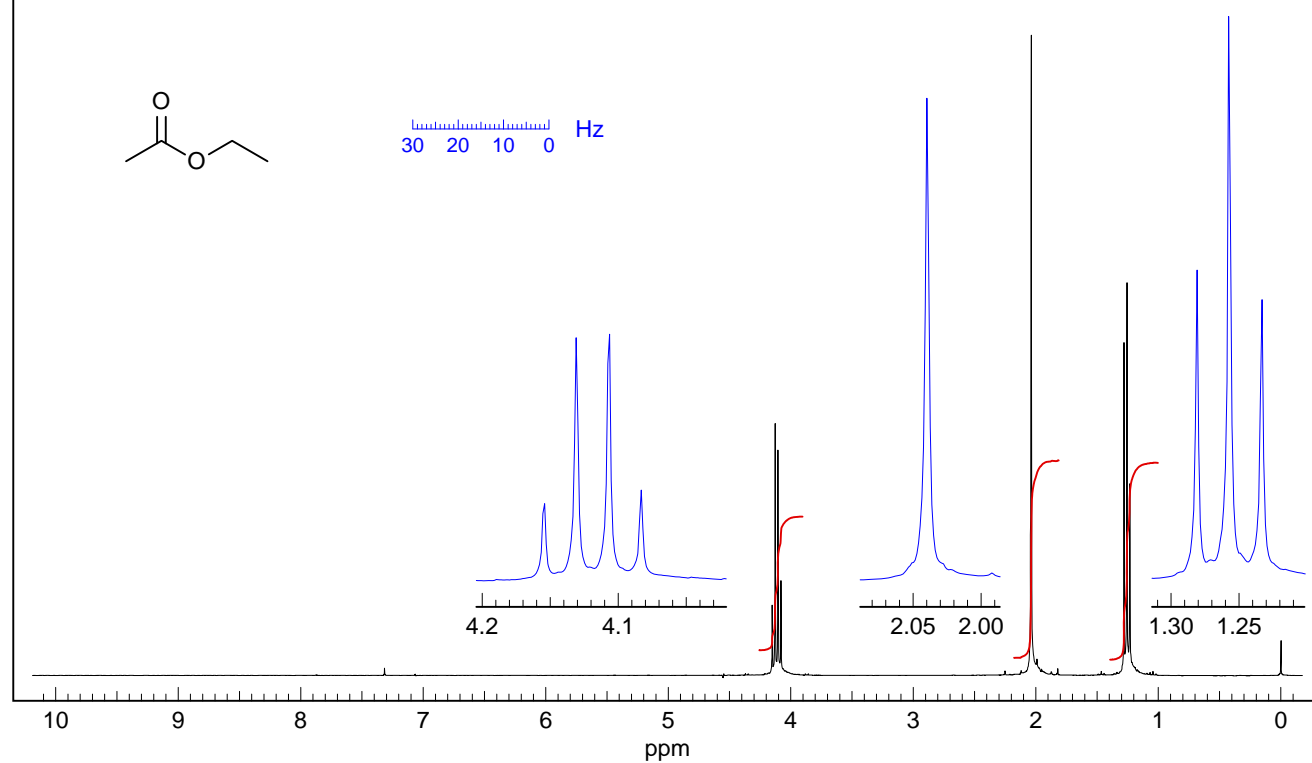


Problem R-16A (C₄H₈O₂)

300 MHz ¹H NMR spectrum in CDCl₃

Source: Aldrich Spectra Collection/Reich g



Problem Set 1 - NMR Spectra

Reich
Chem 345

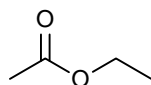
Two Isomers of C₄H₈O₂

Problem R-16A (C₄H₈O₂)

300 MHz ¹H NMR spectrum in CDCl₃

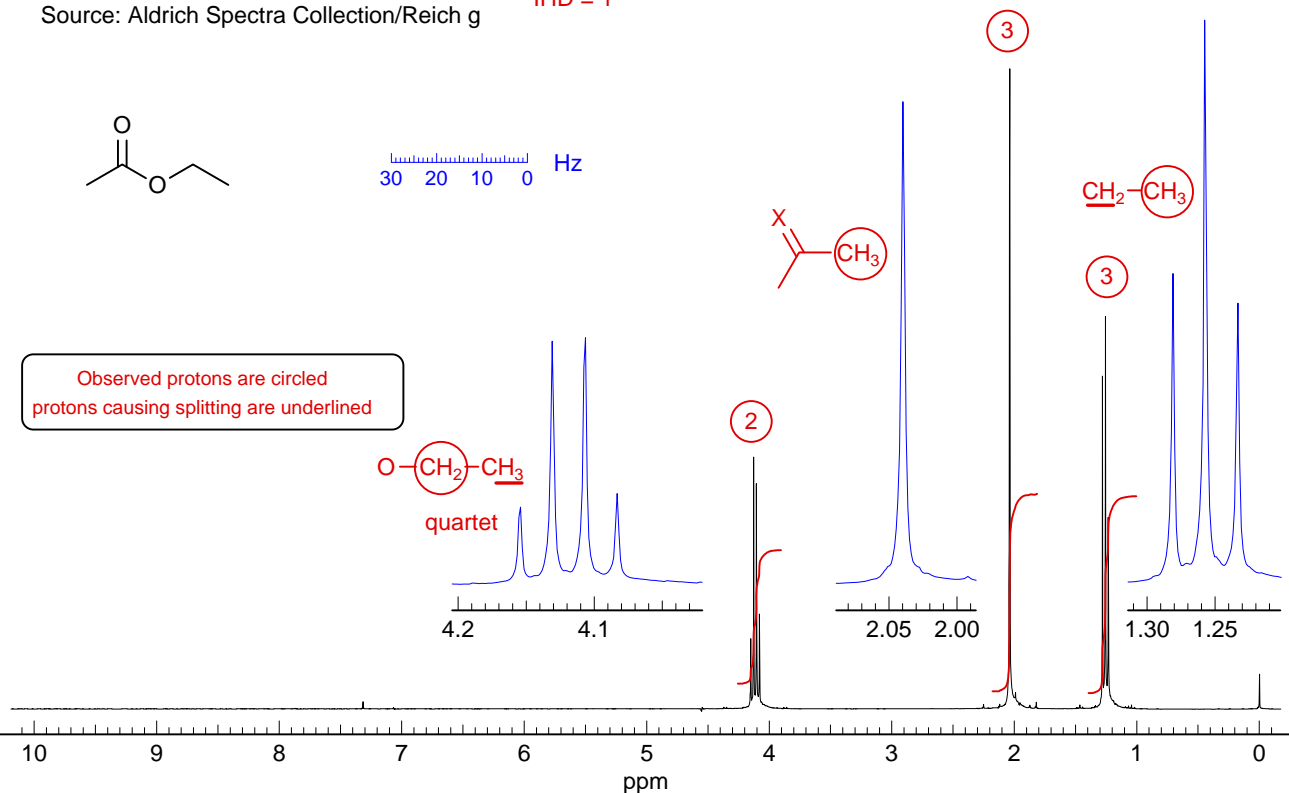
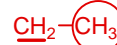
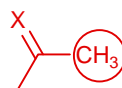
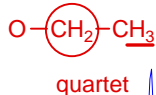
Source: Aldrich Spectra Collection/Reich g

IHD = 1



30 20 10 0 Hz

Observed protons are circled
protons causing splitting are underlined

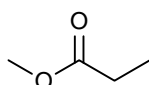


Problem R-16B (C₄H₈O₂)

300 MHz ¹H NMR spectrum in CDCl₃

Source: Aldrich Spectra Collection/Reich g

IHD = 1



30 20 10 0 Hz

