



Figure 6. ^{13}C spectra of 2 at 100 MHz. Spectrum A is $^{13}\text{C}_1$ region and spectrum B is $^{13}\text{C}_2$ region.

Fluoroethane (20% in CDCl_3 in 5 mm tube at 19°C)

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Field strength: 100 MHz C^{13} (400 MHz H^1)

Why is this your favorite spectrum?

Very narrow C^{13} line widths (± 0.06 Hz) in expanded sweep widths of 40 Hz. Appear to be narrowest C^{13} observed for a fluorocarbon molecule.

Comments: It was surprising that the line widths for both C^{13} s were the same!