

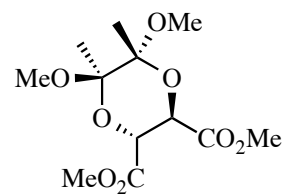
SUPPORTING INFORMATION FOR:

The Synthesis of Polyfunctionalized, Cyclohexene-based Chirons from Tartaric Acid

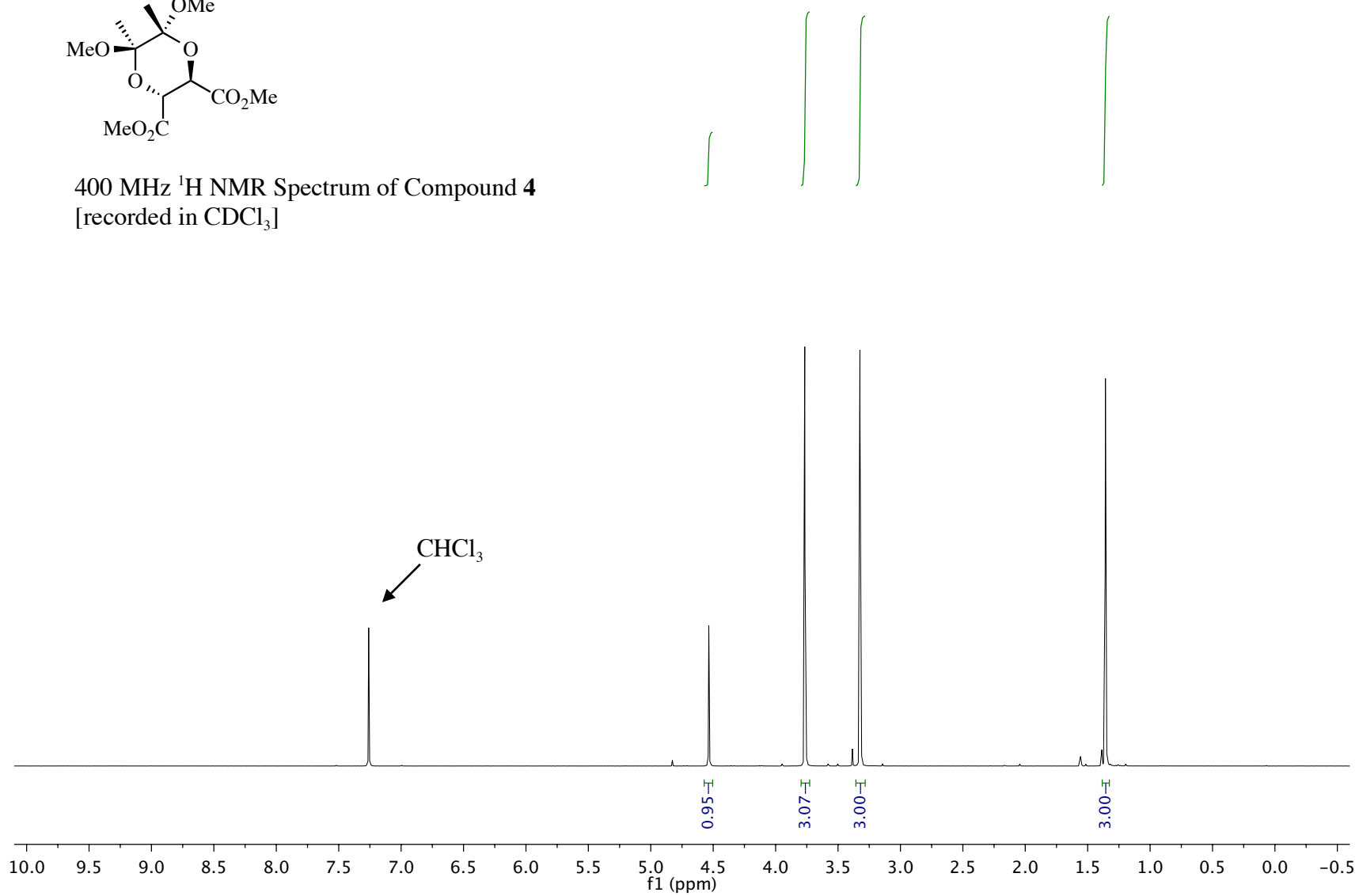
*Joshua N. Buckler, Brett D. Schwartz and Martin G. Banwell**

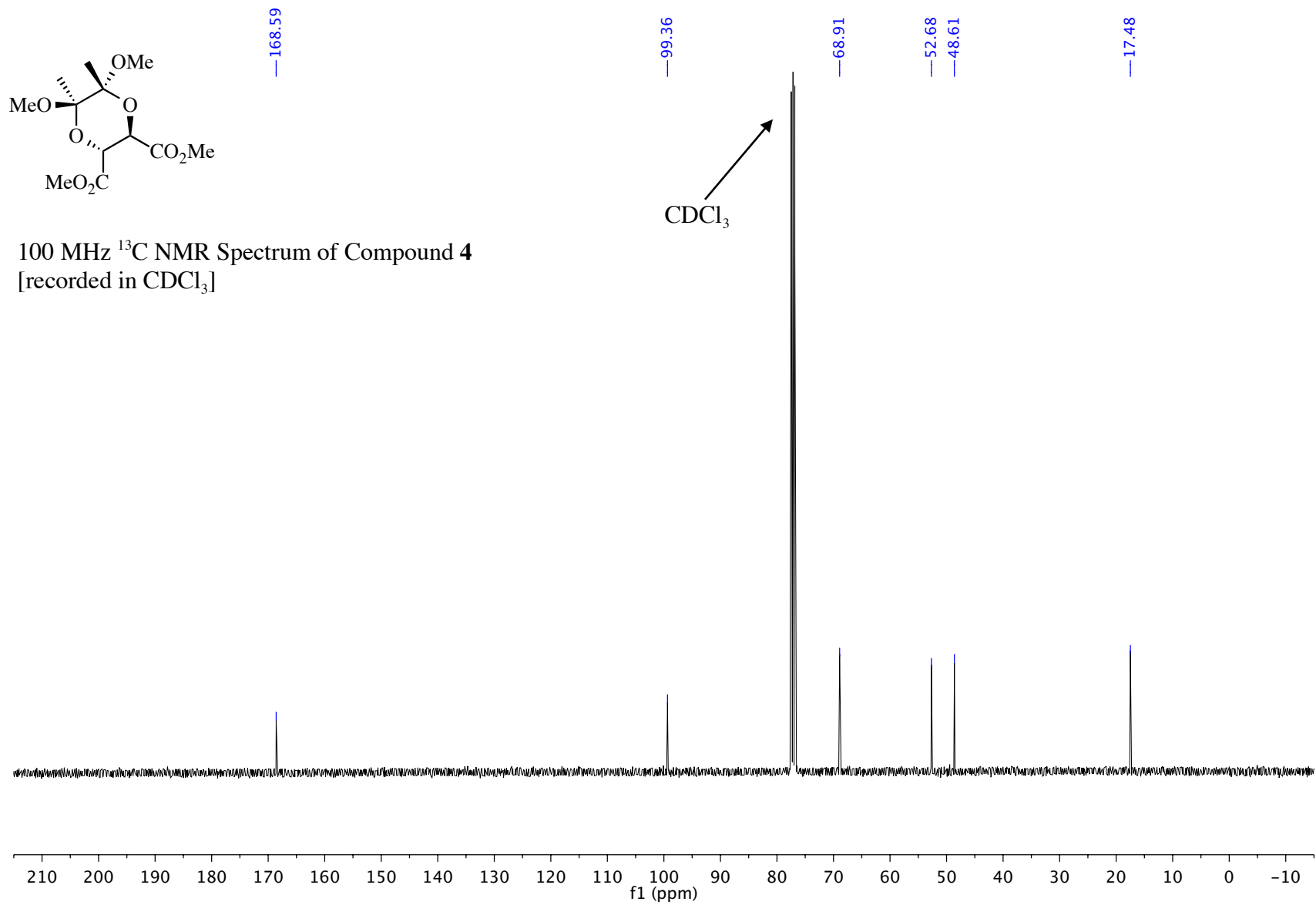
Research School of Chemistry, Institute of Advanced Studies, The Australian National University, Canberra, ACT 2601, Australia

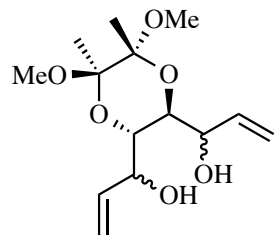
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The ^1H and ^{13}C NMR spectra of compounds 4–13 and <i>ent-1</i>	S2



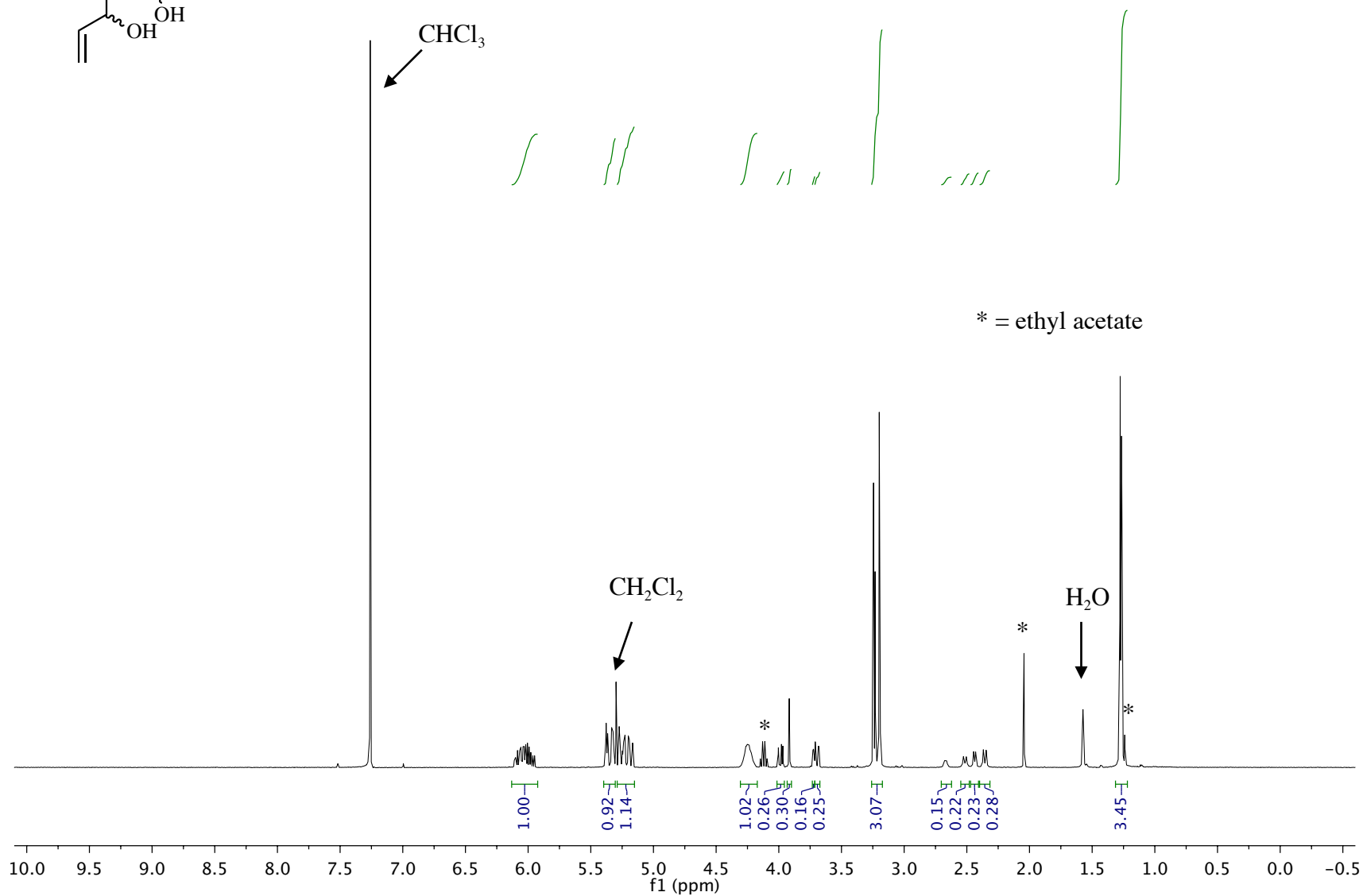
400 MHz ¹H NMR Spectrum of Compound 4
[recorded in CDCl₃]

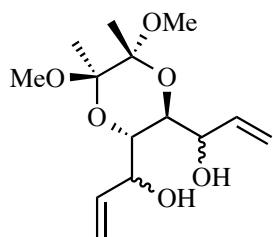




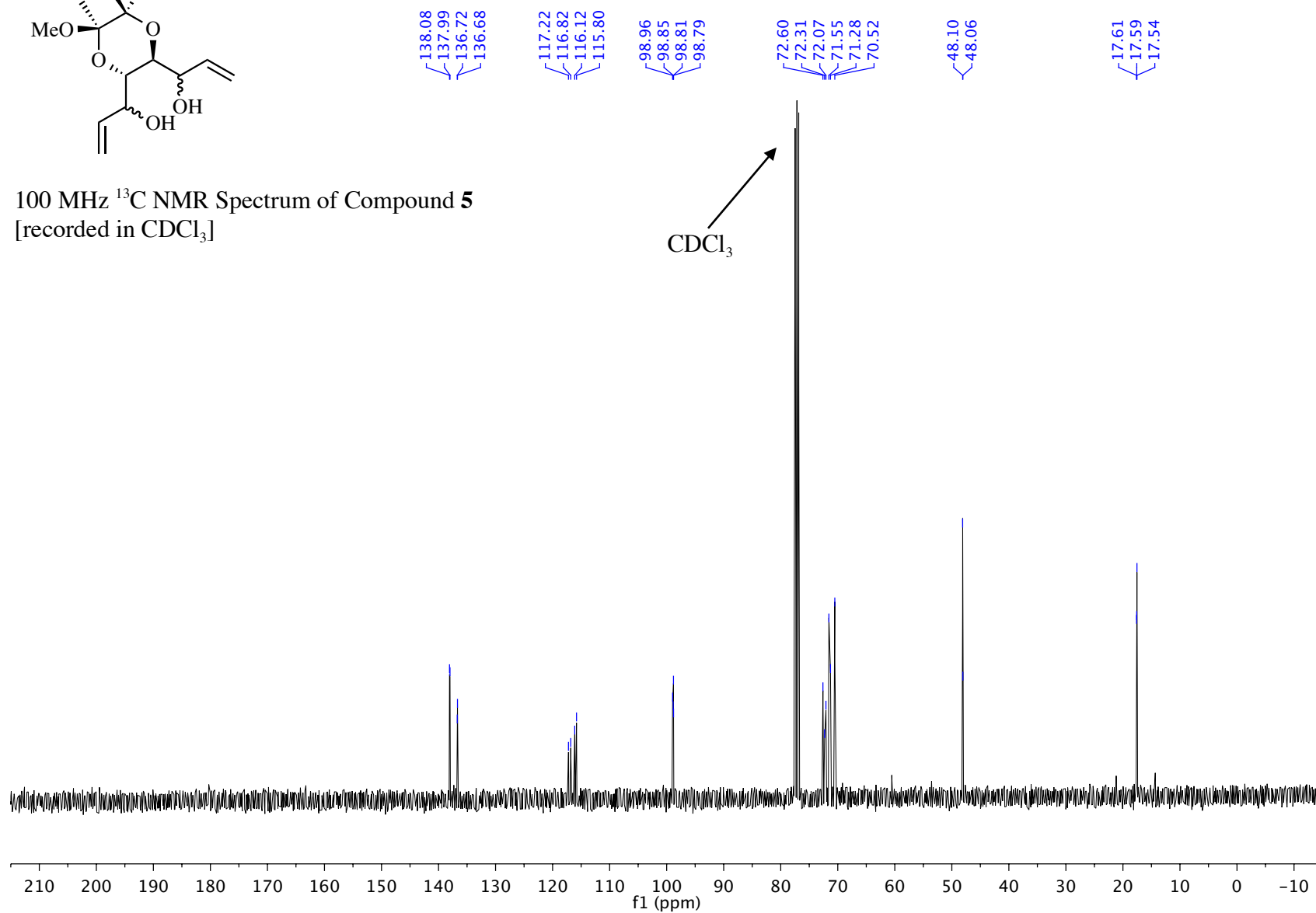


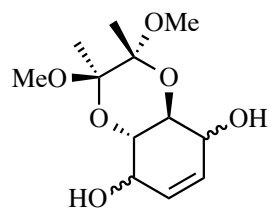
400 MHz ^1H NMR Spectrum of Compound 5
[recorded in CDCl_3]



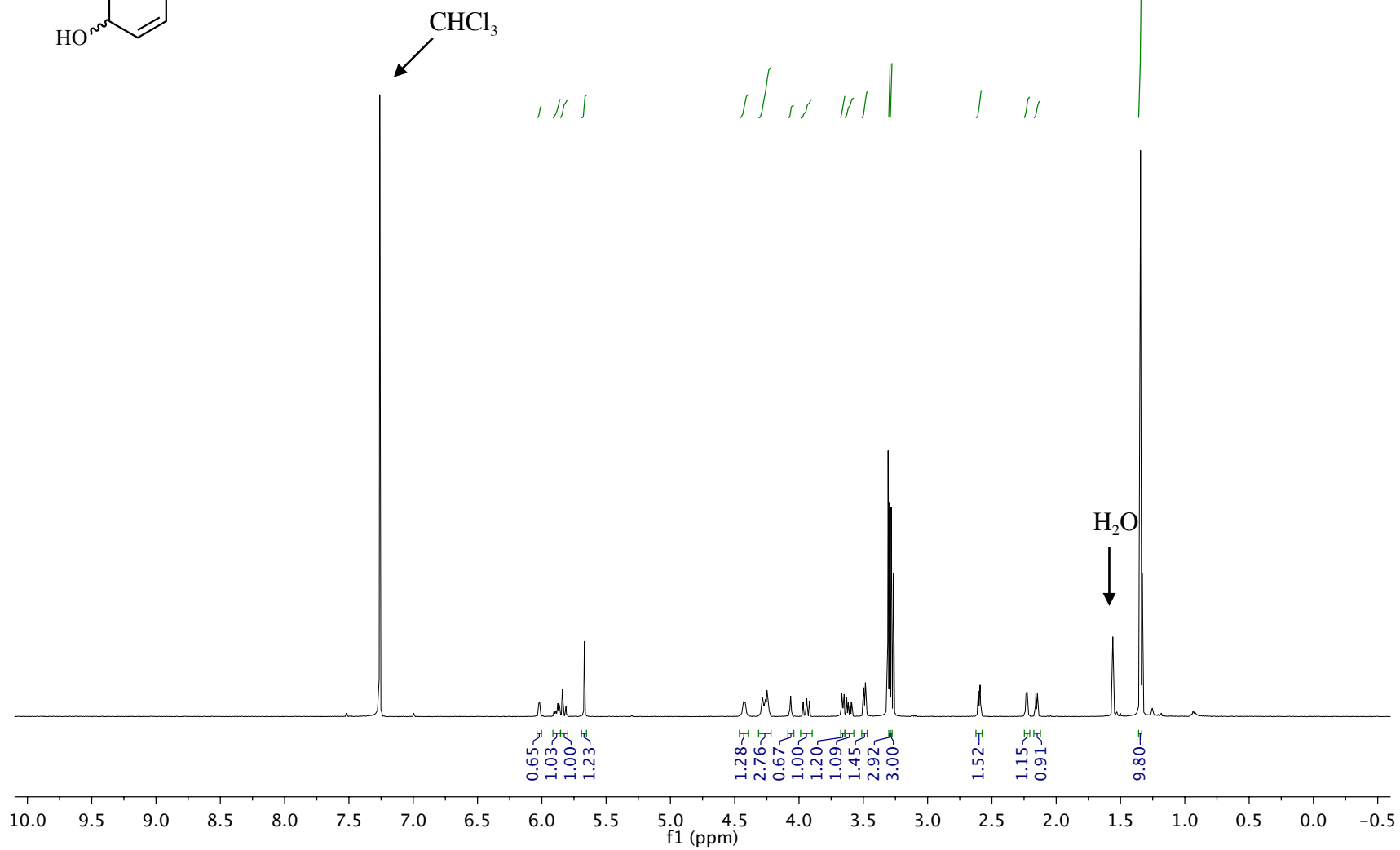


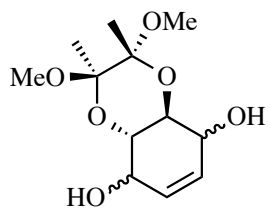
100 MHz ¹³C NMR Spectrum of Compound 5
[recorded in CDCl₃]



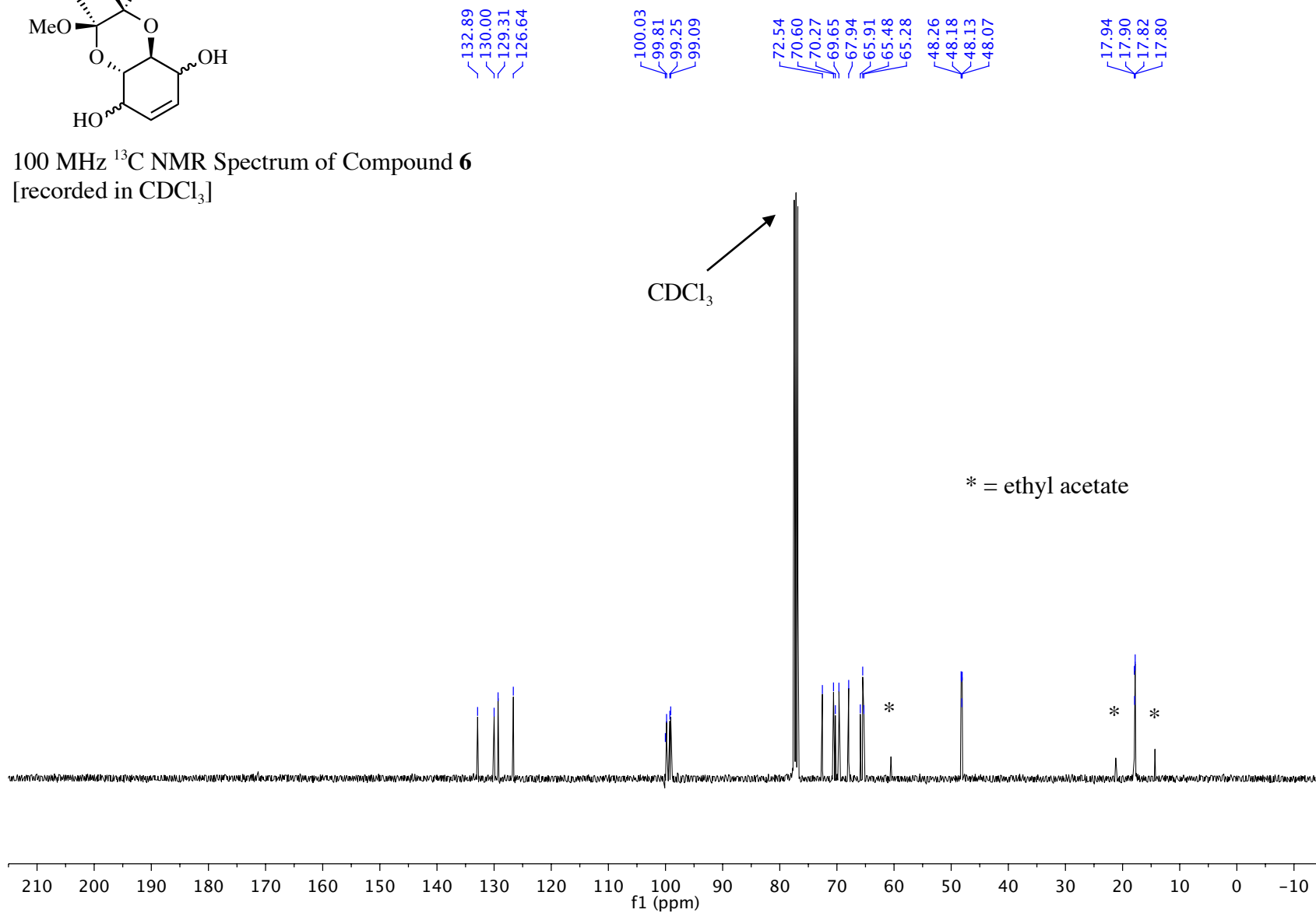


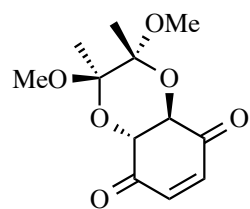
400 MHz ^1H NMR Spectrum of Compound 6
[recorded in CDCl_3]



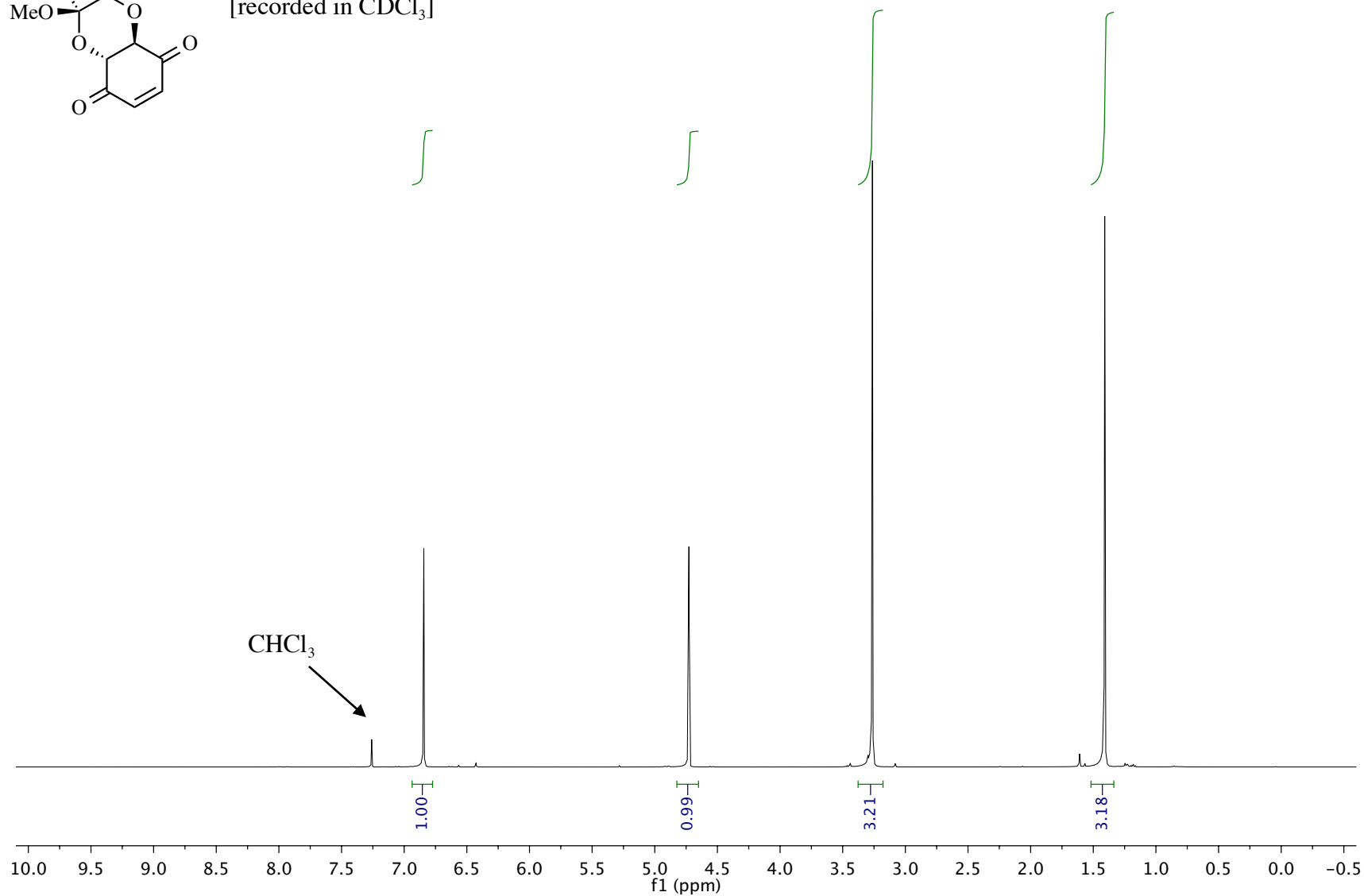


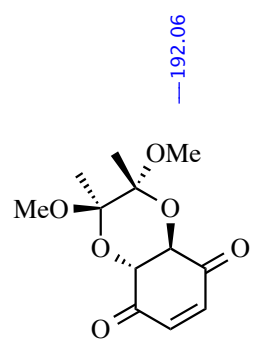
100 MHz ^{13}C NMR Spectrum of Compound **6**
[recorded in CDCl_3]



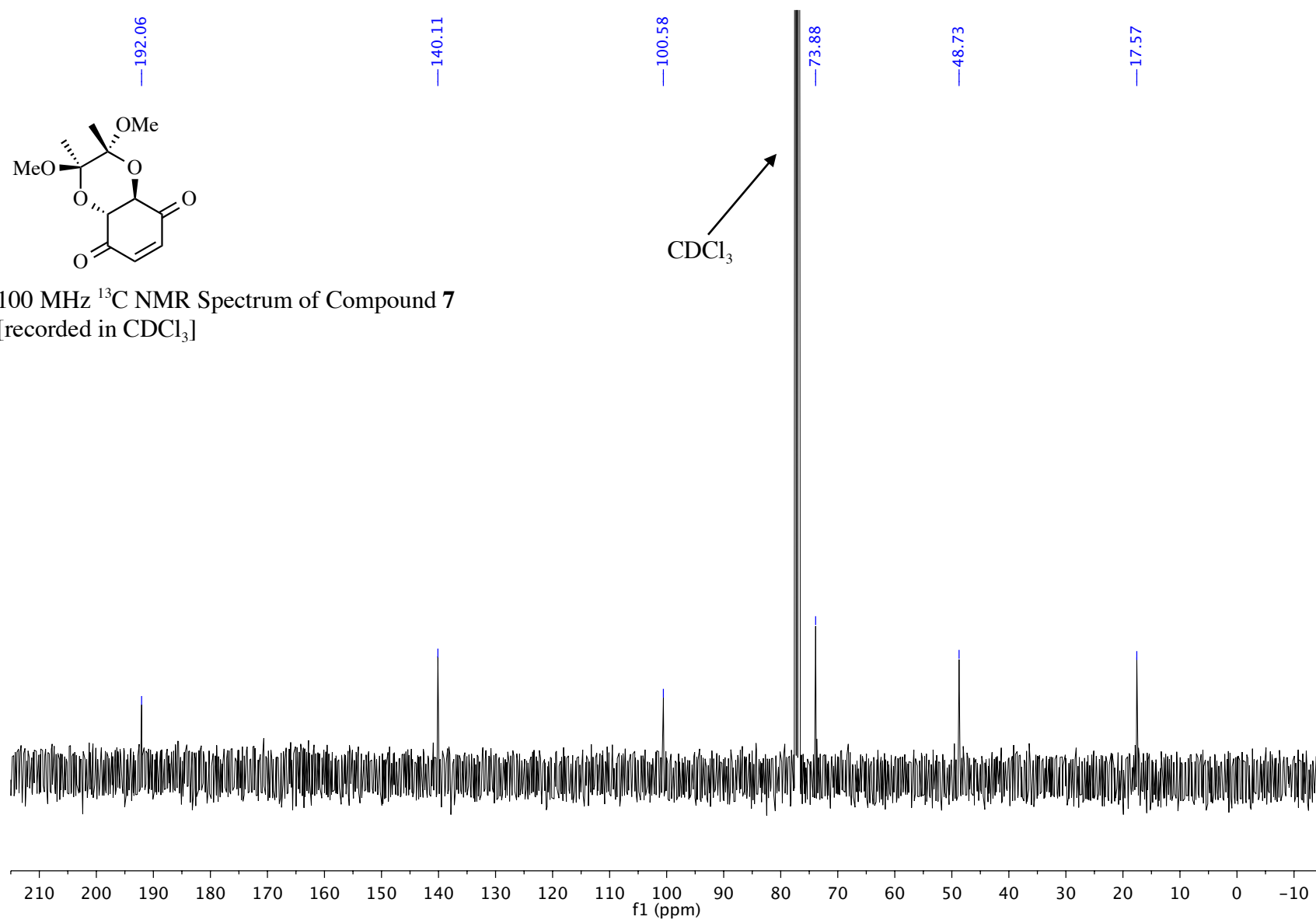


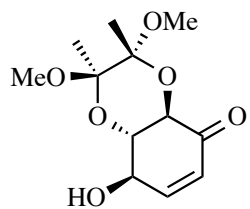
400 MHz ^1H NMR Spectrum of Compound 7
[recorded in CDCl_3]



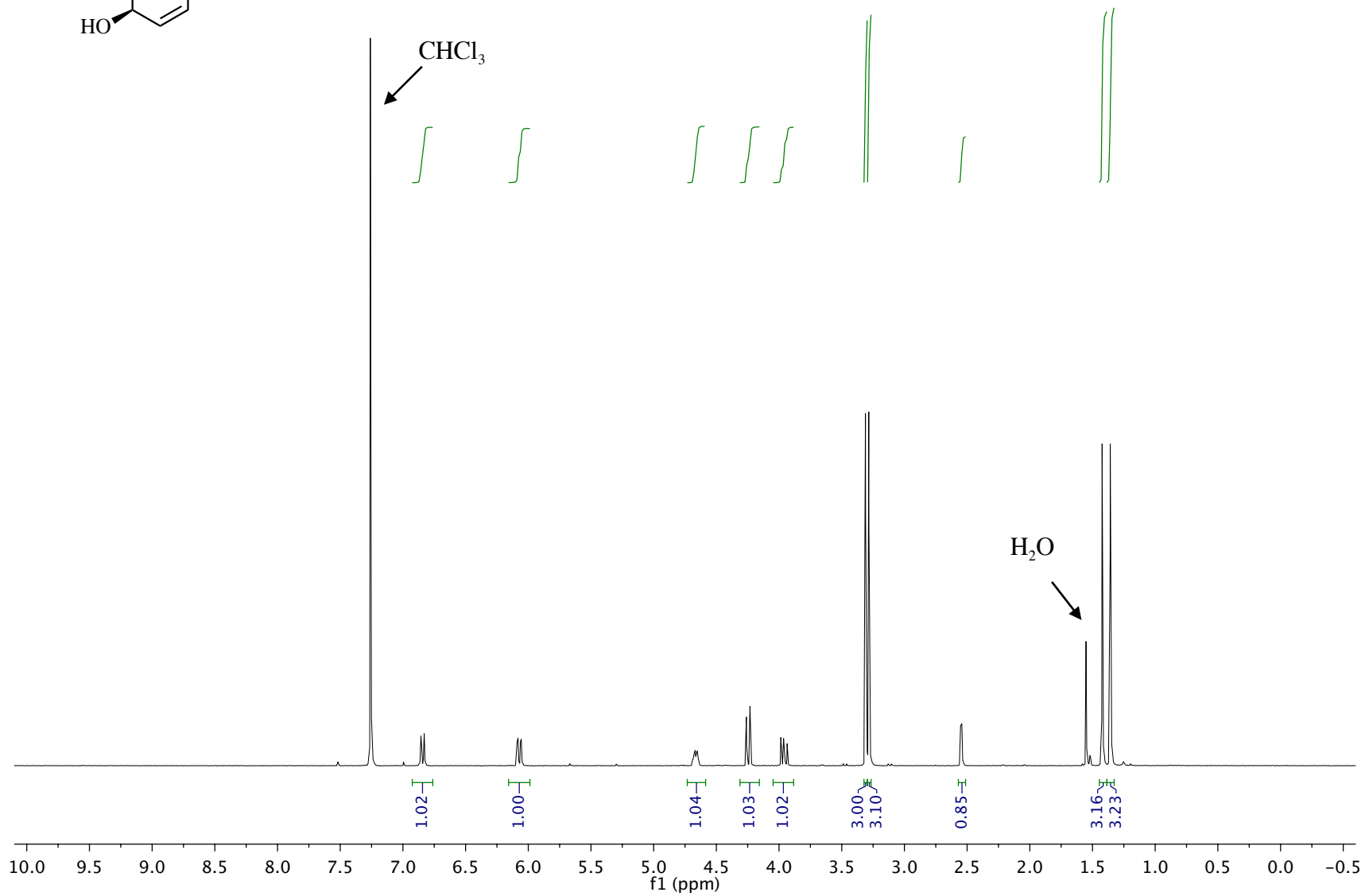


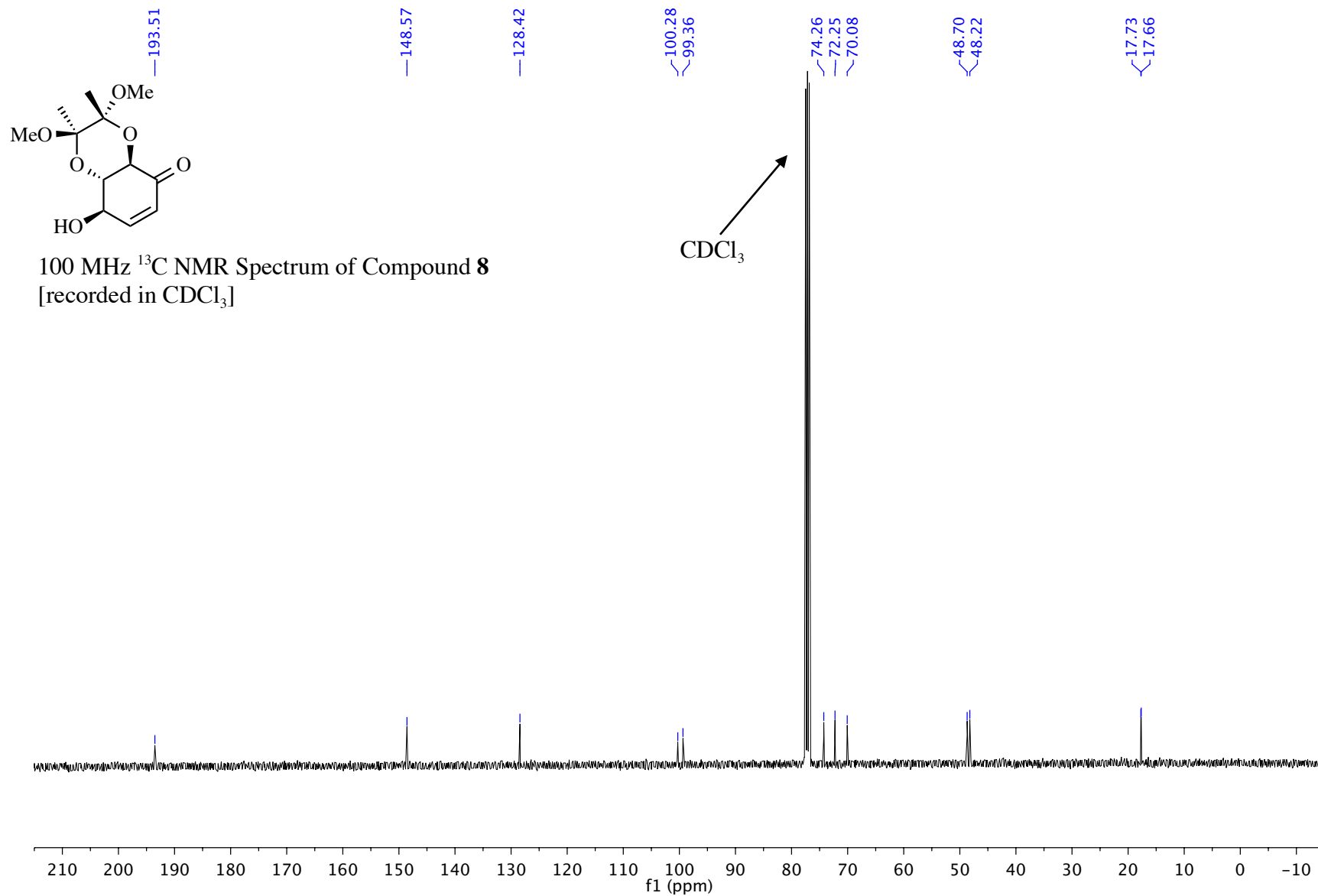
100 MHz ^{13}C NMR Spectrum of Compound 7
[recorded in CDCl_3]

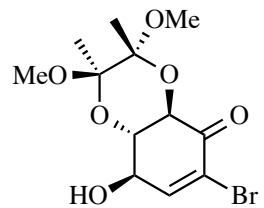




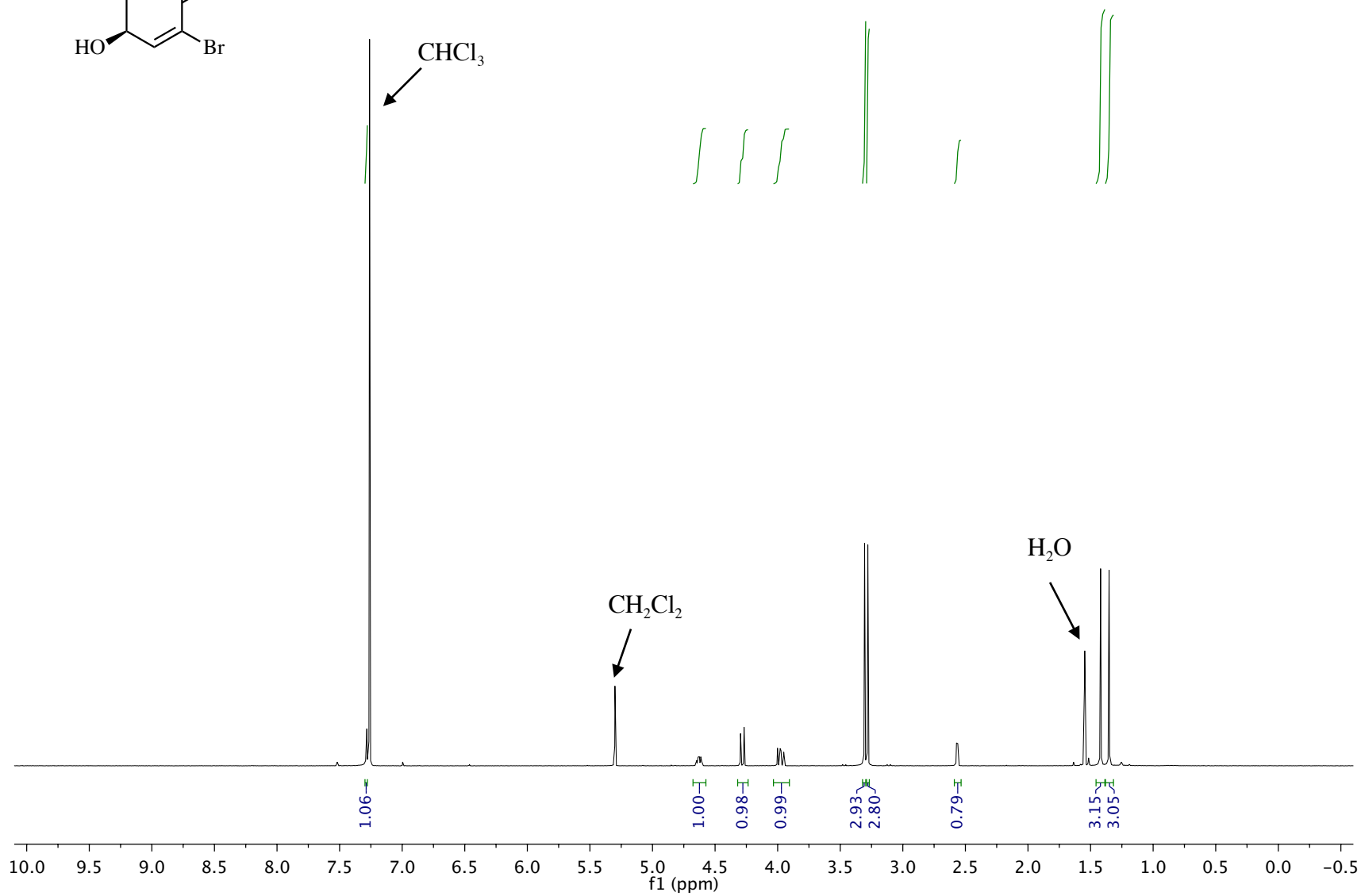
400 MHz ^1H NMR Spectrum of Compound **8**
[recorded in CDCl_3]

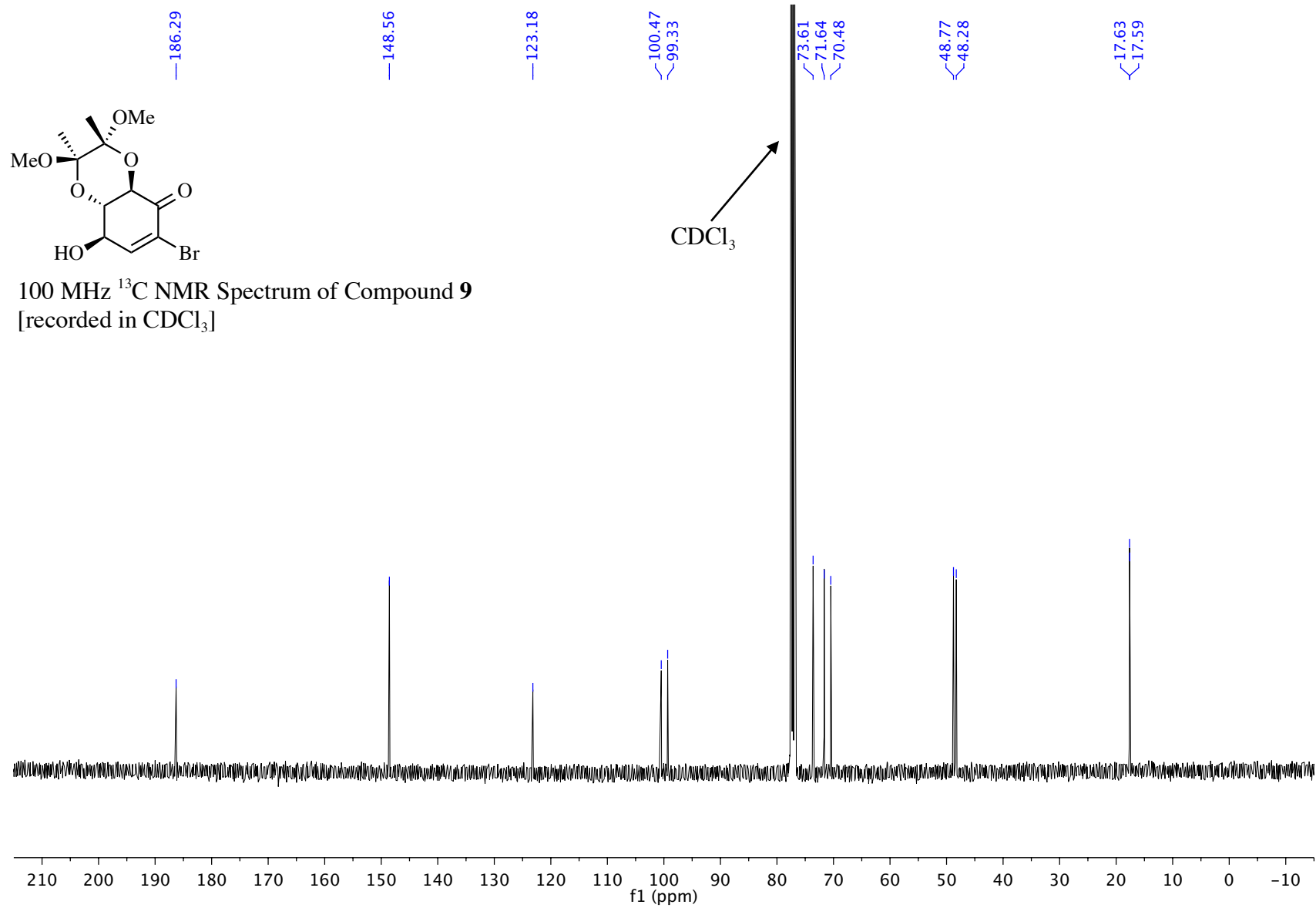


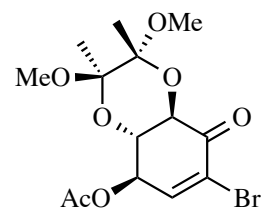




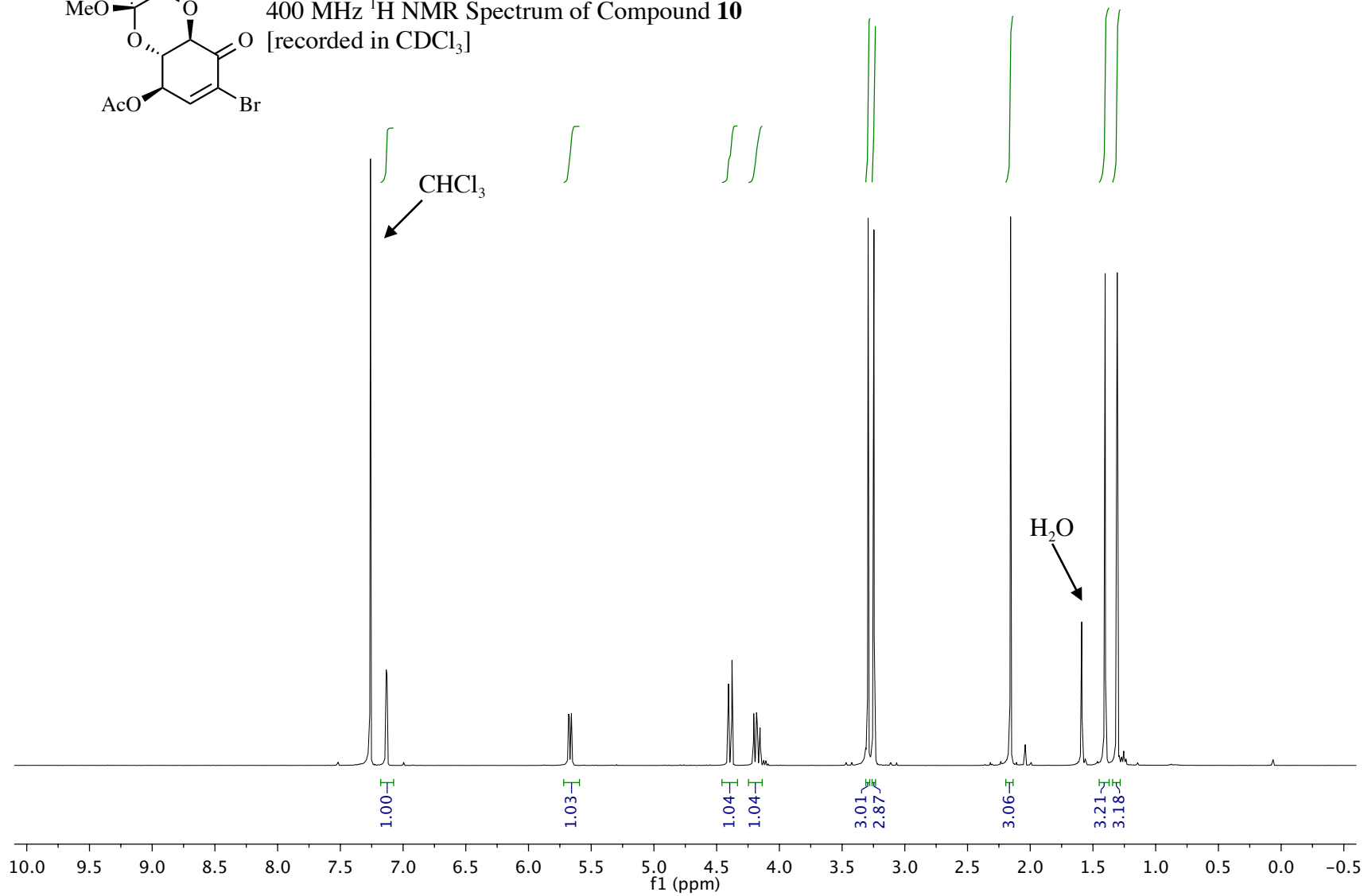
400 MHz ^1H NMR Spectrum of Compound 9
[recorded in CDCl_3]

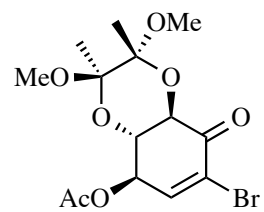




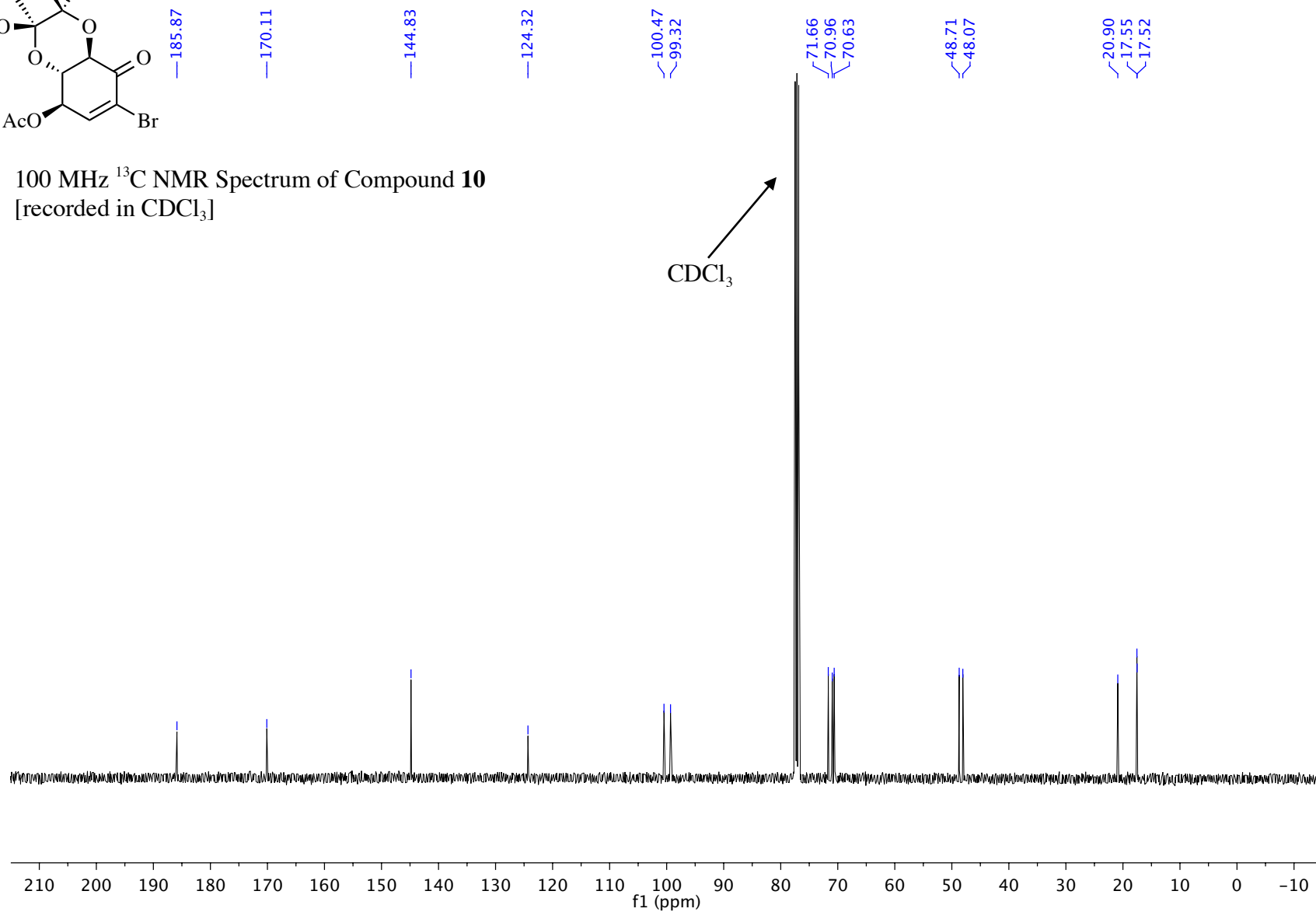


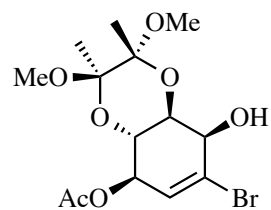
400 MHz ^1H NMR Spectrum of Compound 10
[recorded in CDCl_3]



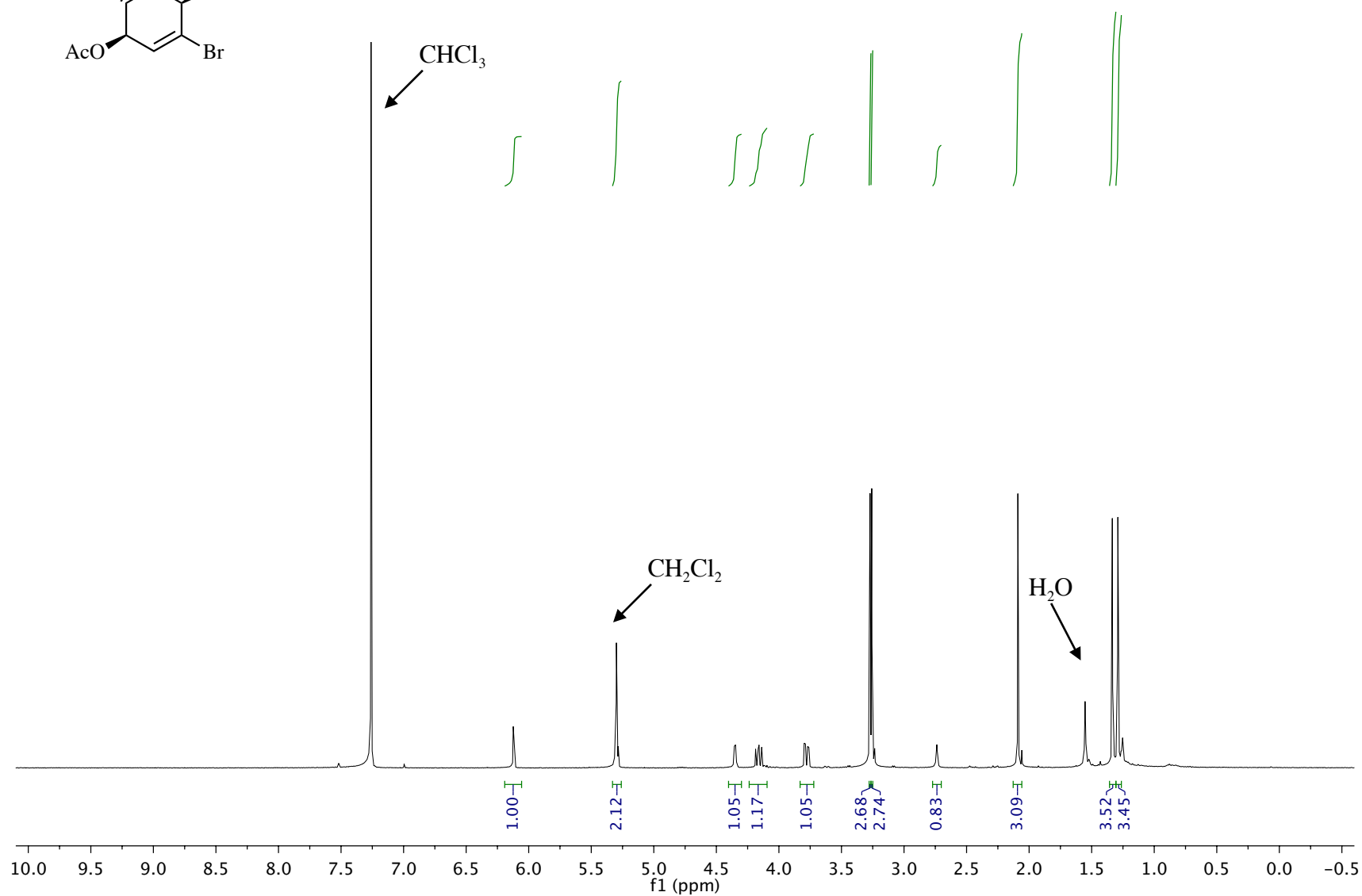


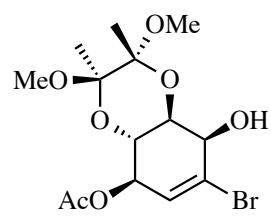
100 MHz ^{13}C NMR Spectrum of Compound 10
[recorded in CDCl_3]



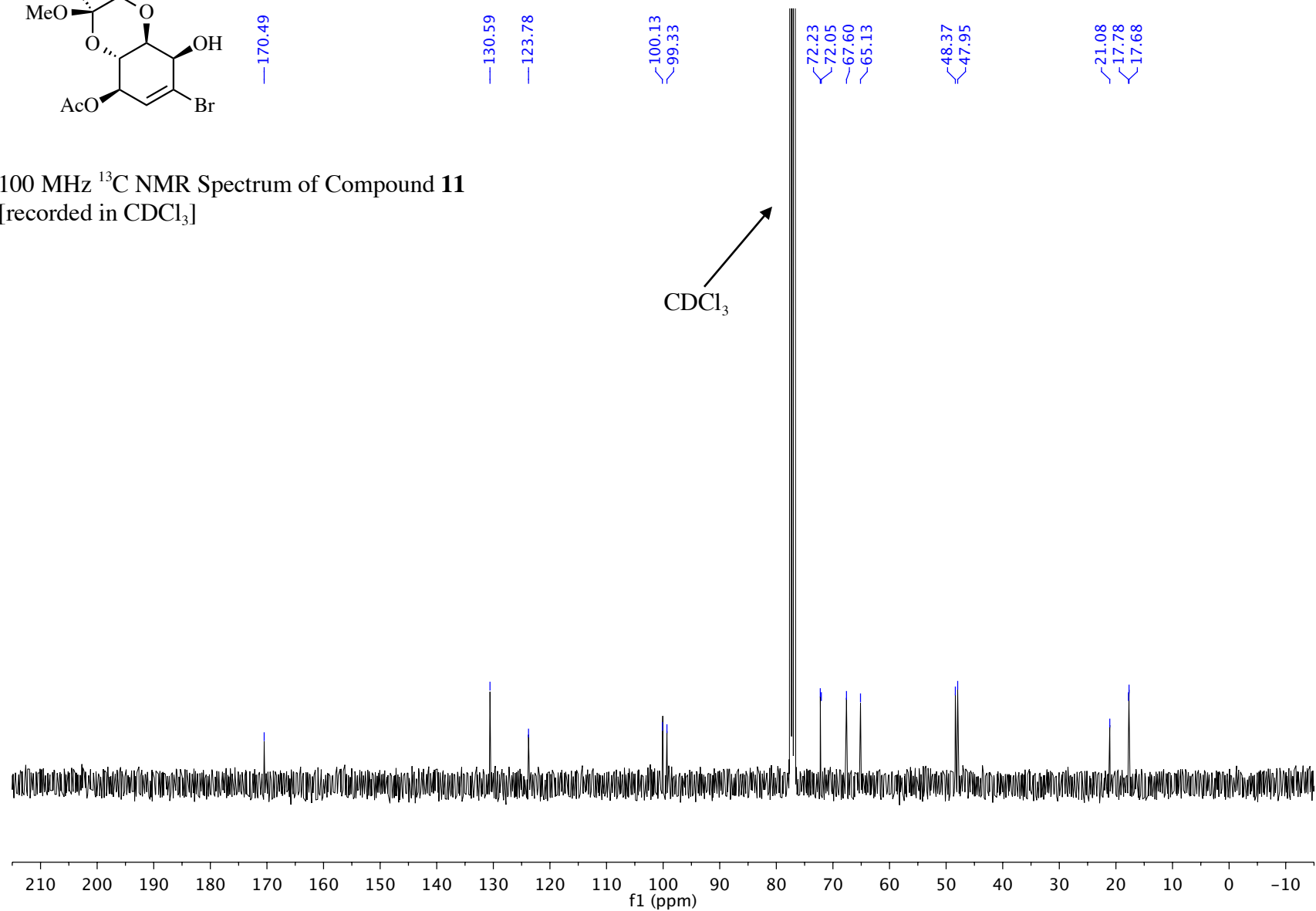


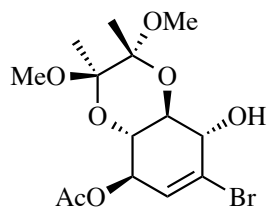
400 MHz ^1H NMR Spectrum of Compound 11
[recorded in CDCl_3]



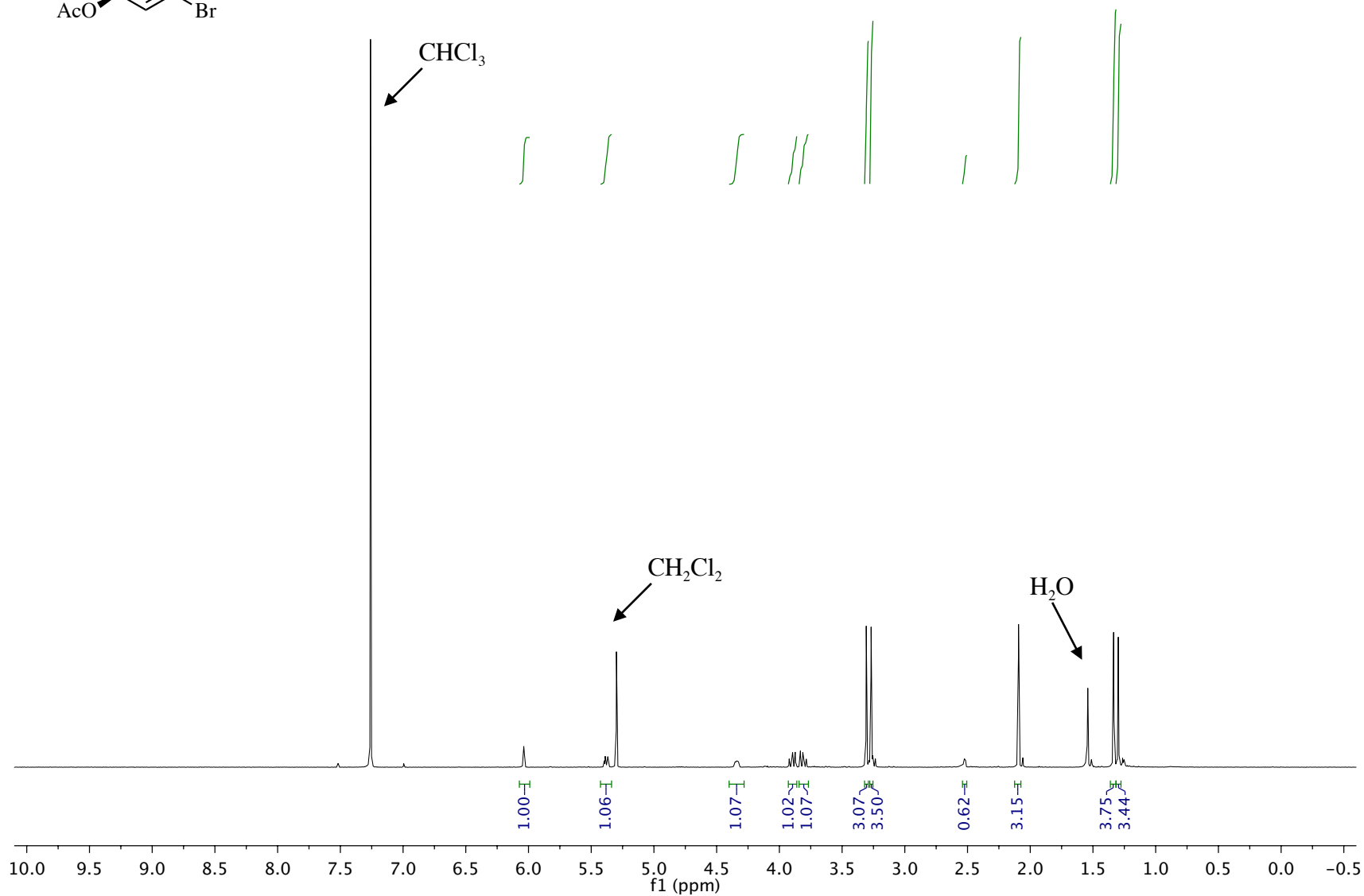


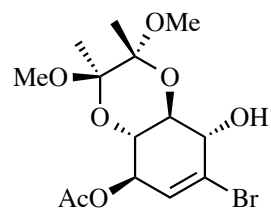
100 MHz ^{13}C NMR Spectrum of Compound **11**
[recorded in CDCl_3]



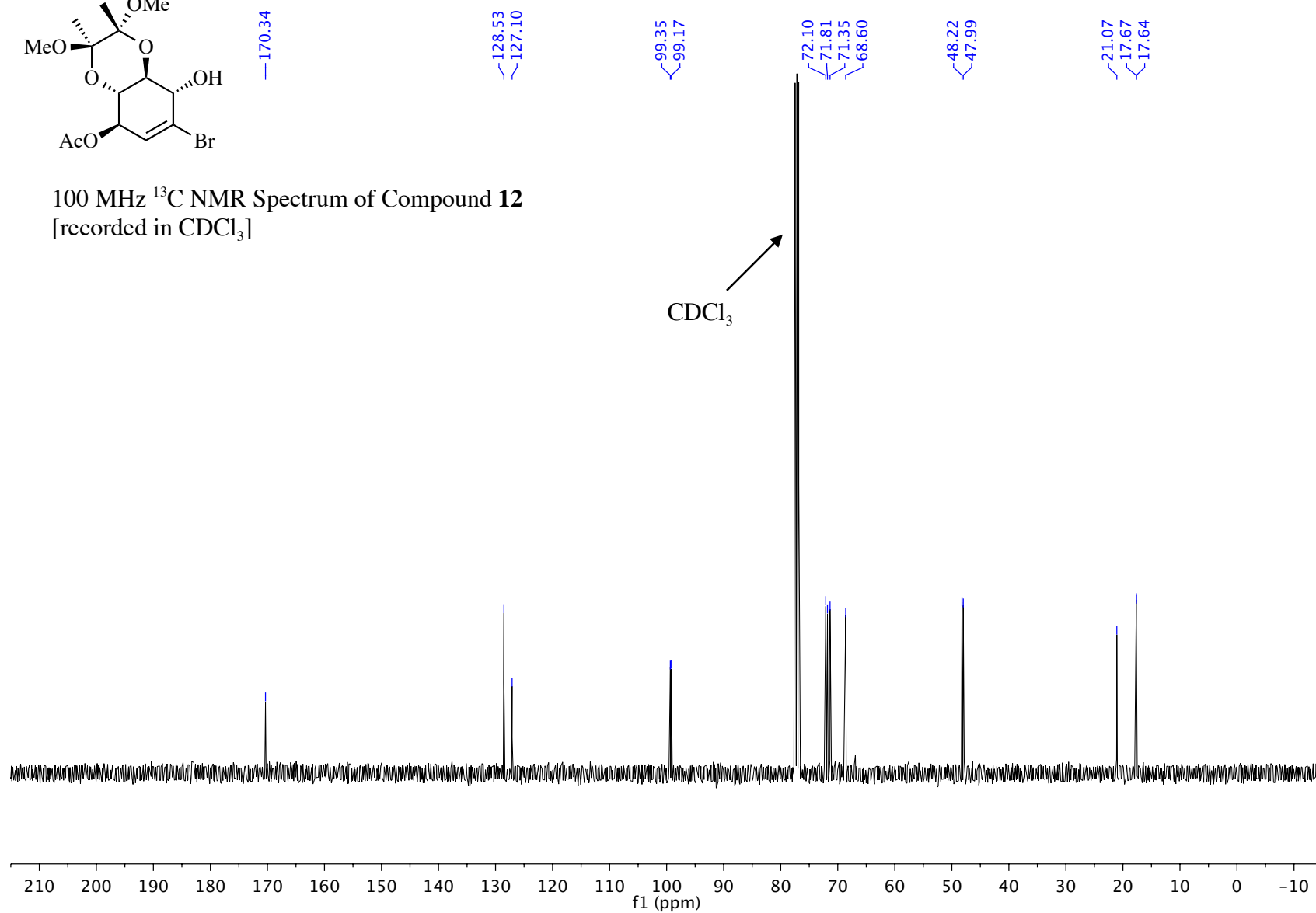


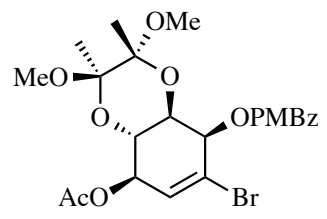
400 MHz ^1H NMR Spectrum of Compound 12
[recorded in CDCl_3]



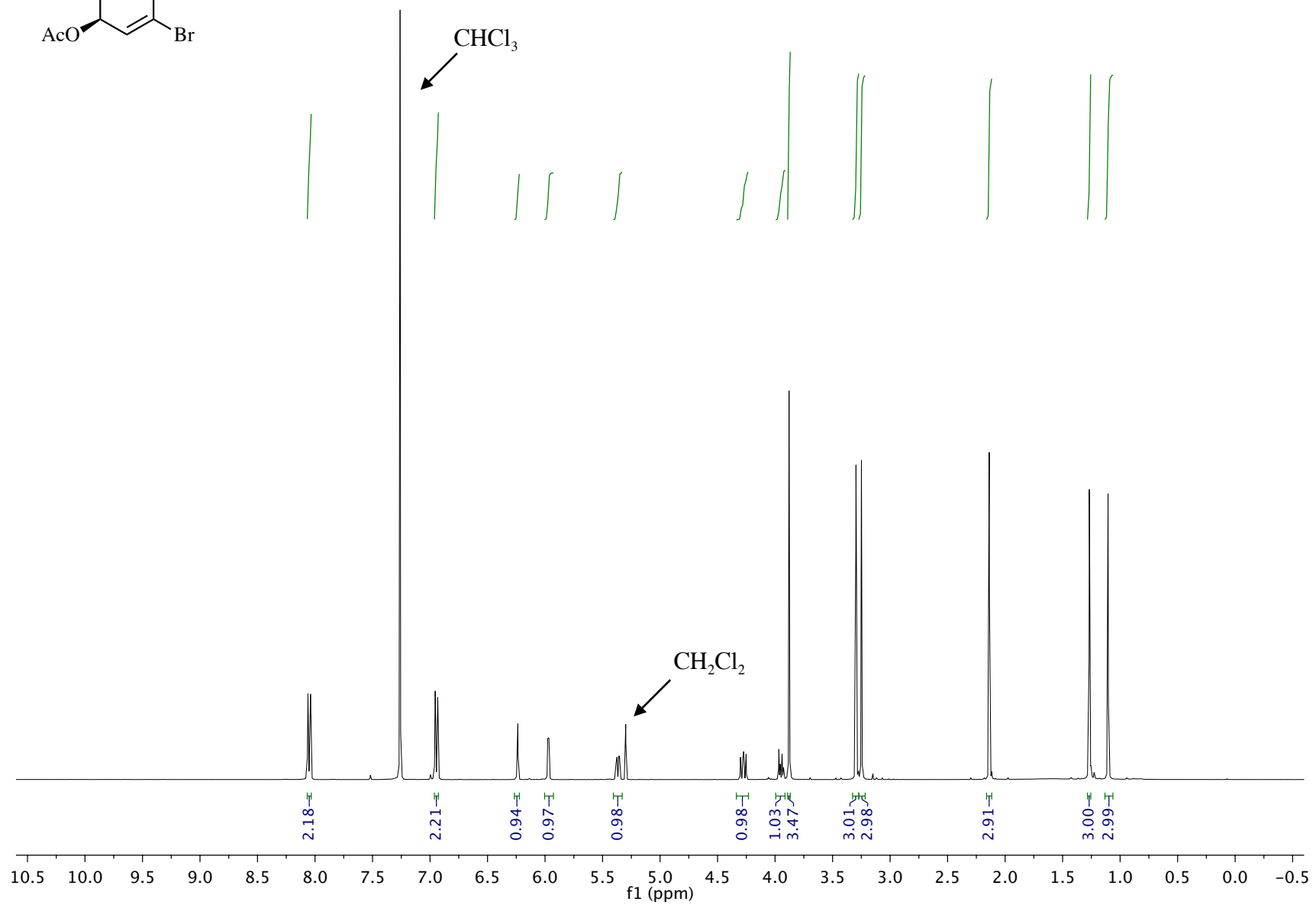


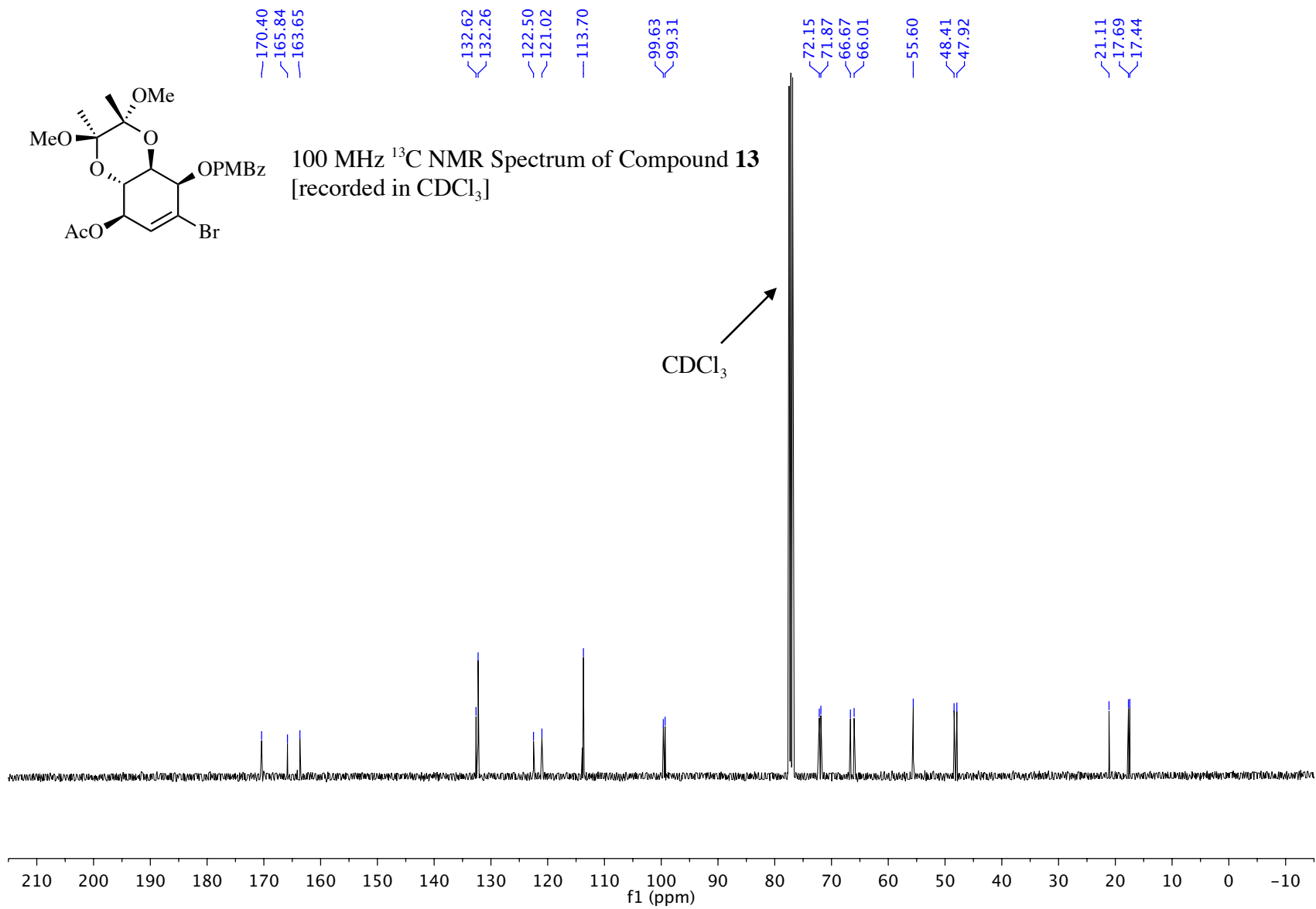
100 MHz ^{13}C NMR Spectrum of Compound 12
[recorded in CDCl_3]

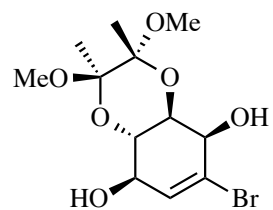




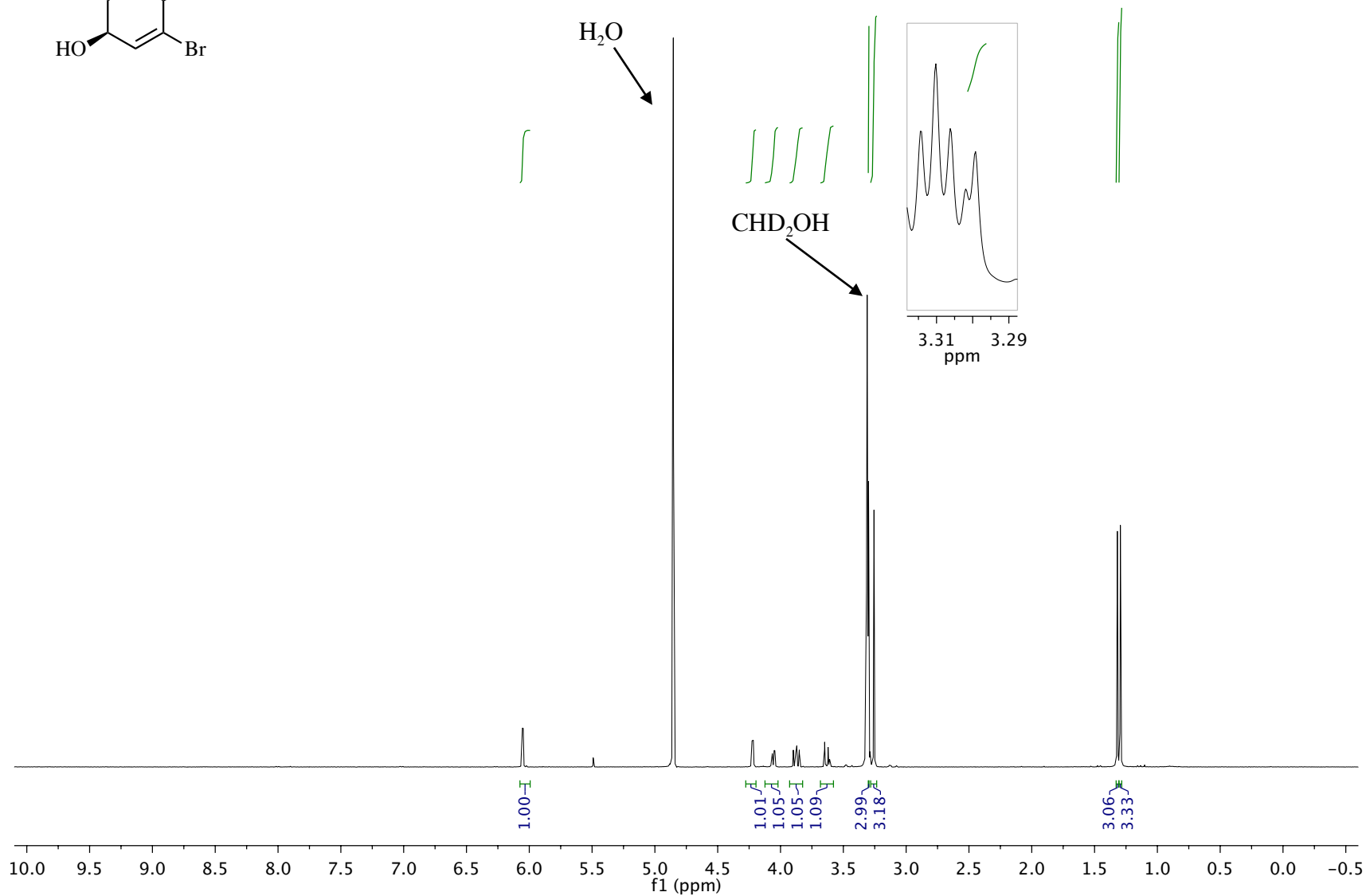
400 MHz ^1H NMR Spectrum of Compound 13
[recorded in CDCl_3]

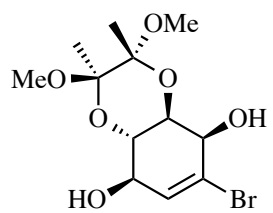






400 MHz ^1H NMR Spectrum of Compound *ent-1*
[recorded in CD_3OD]





100 MHz ^{13}C NMR Spectrum of Compound *ent*-1
[recorded in CD_3OD]

