

*Supplementary Material for:*

**Synthetic Studies on the Marine-Derived Sesquiterpene (+)-Viridianol:**

**Divergent Behaviour of Two Structurally Related, Ring-Fused Cyclopropanes Under the Same Hydrogenolytic Conditions.**

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Research School of Chemistry, Institute of Advanced Studies,

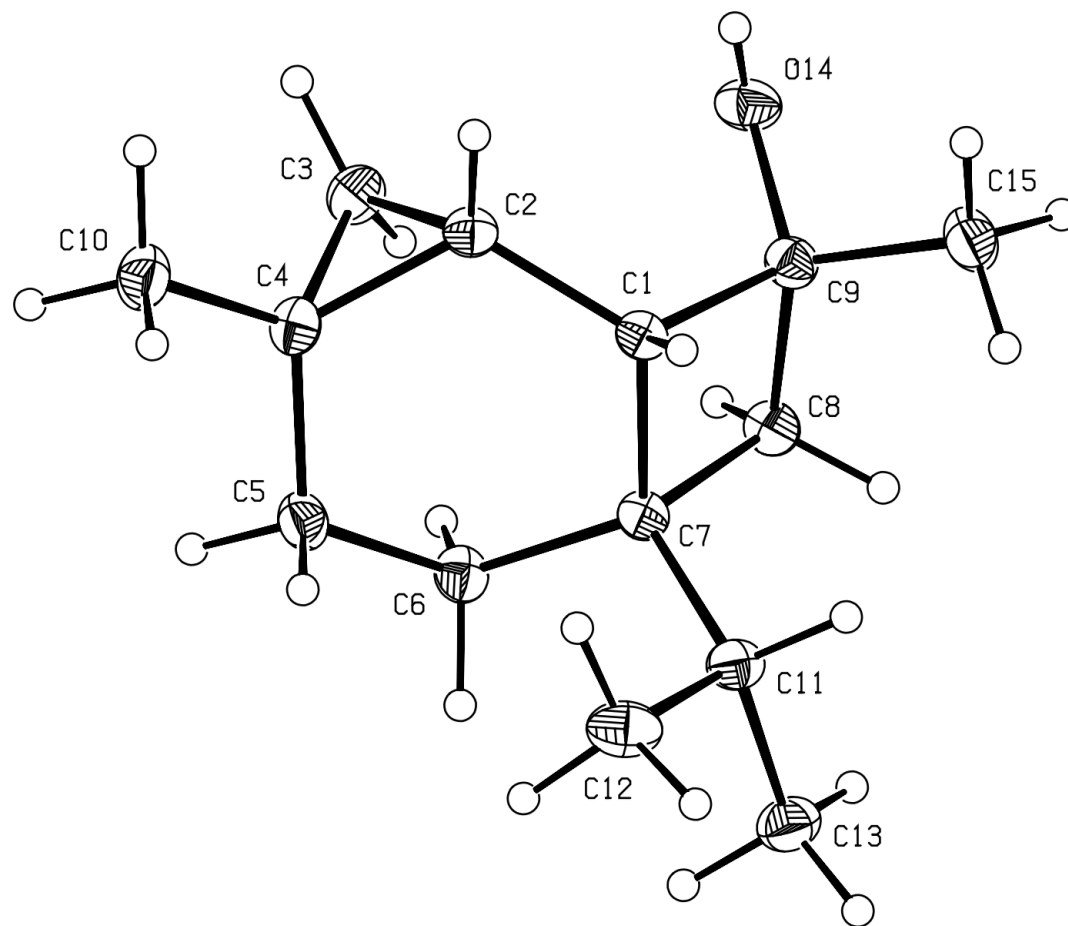
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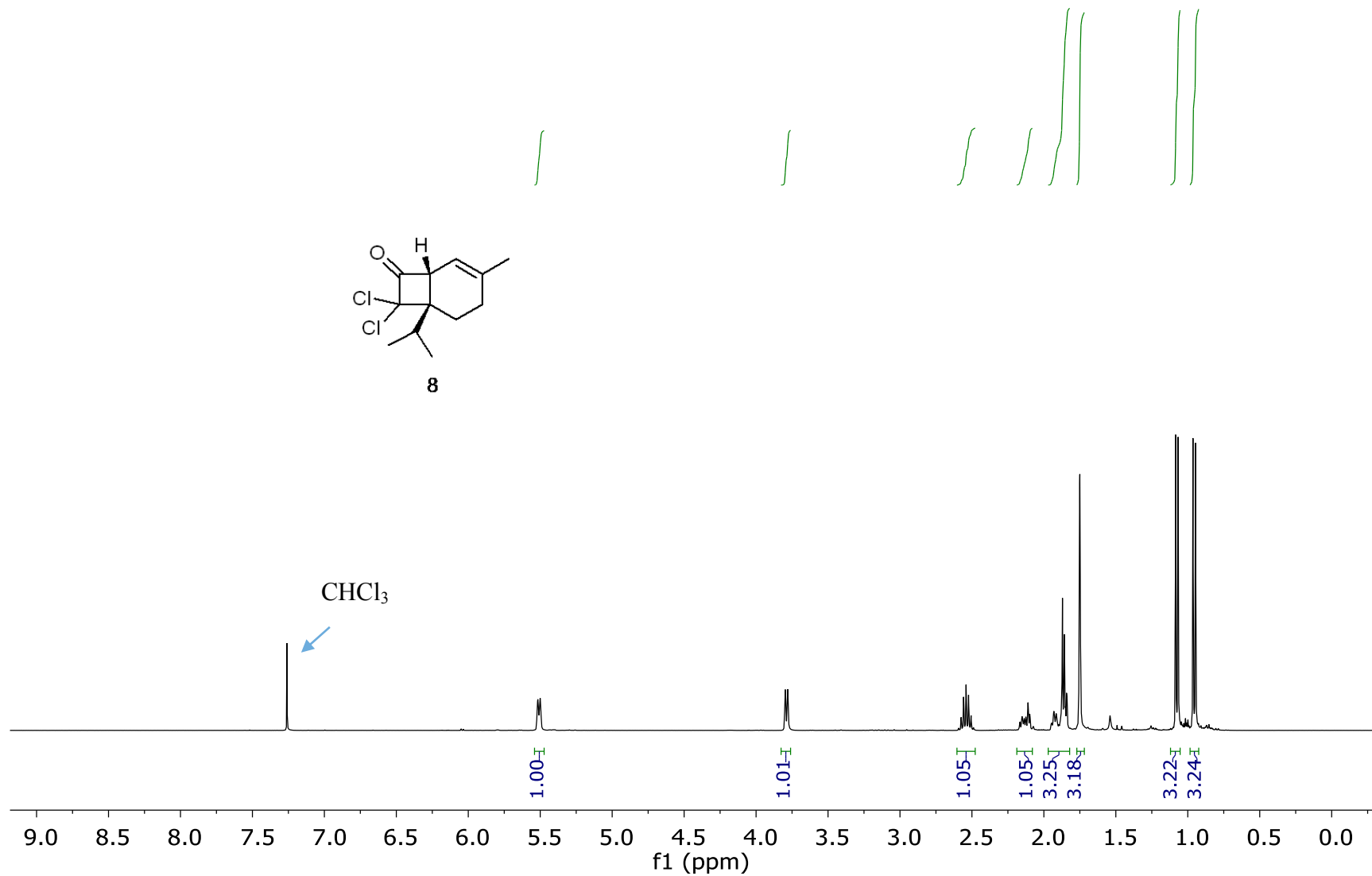
ORTEP Derived from the Single-Crystal X-ray Analysis of Compound **11** S2

<sup>1</sup>H and <sup>13</sup>C NMR Spectra of Compounds **8-15**. S3



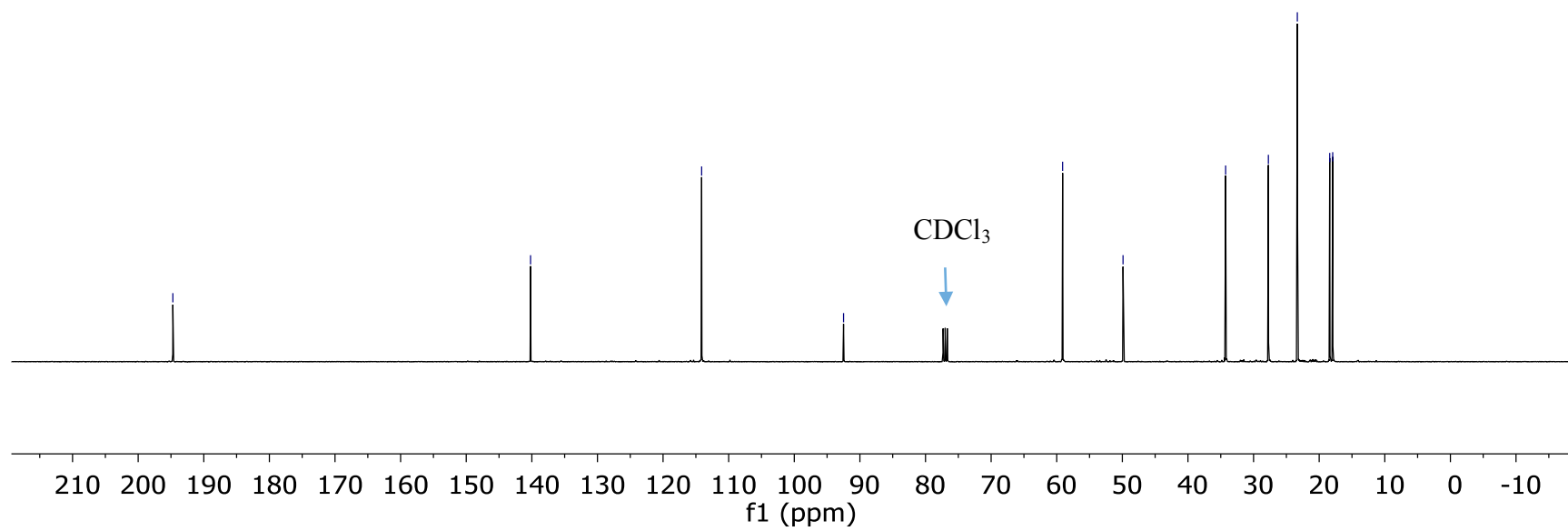
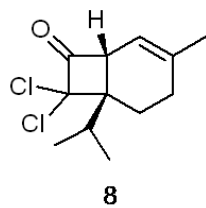
**Figure S1:** Structure of compound **11** (CCDC 1863886) with labelling of selected atoms. Anisotropic displacement ellipsoids show 30% probability levels. Hydrogen atoms are drawn as circles with small radii.

400 MHz  $^1\text{H}$  NMR Spectrum of Compound **8** (recorded in  $\text{CDCl}_3$ )

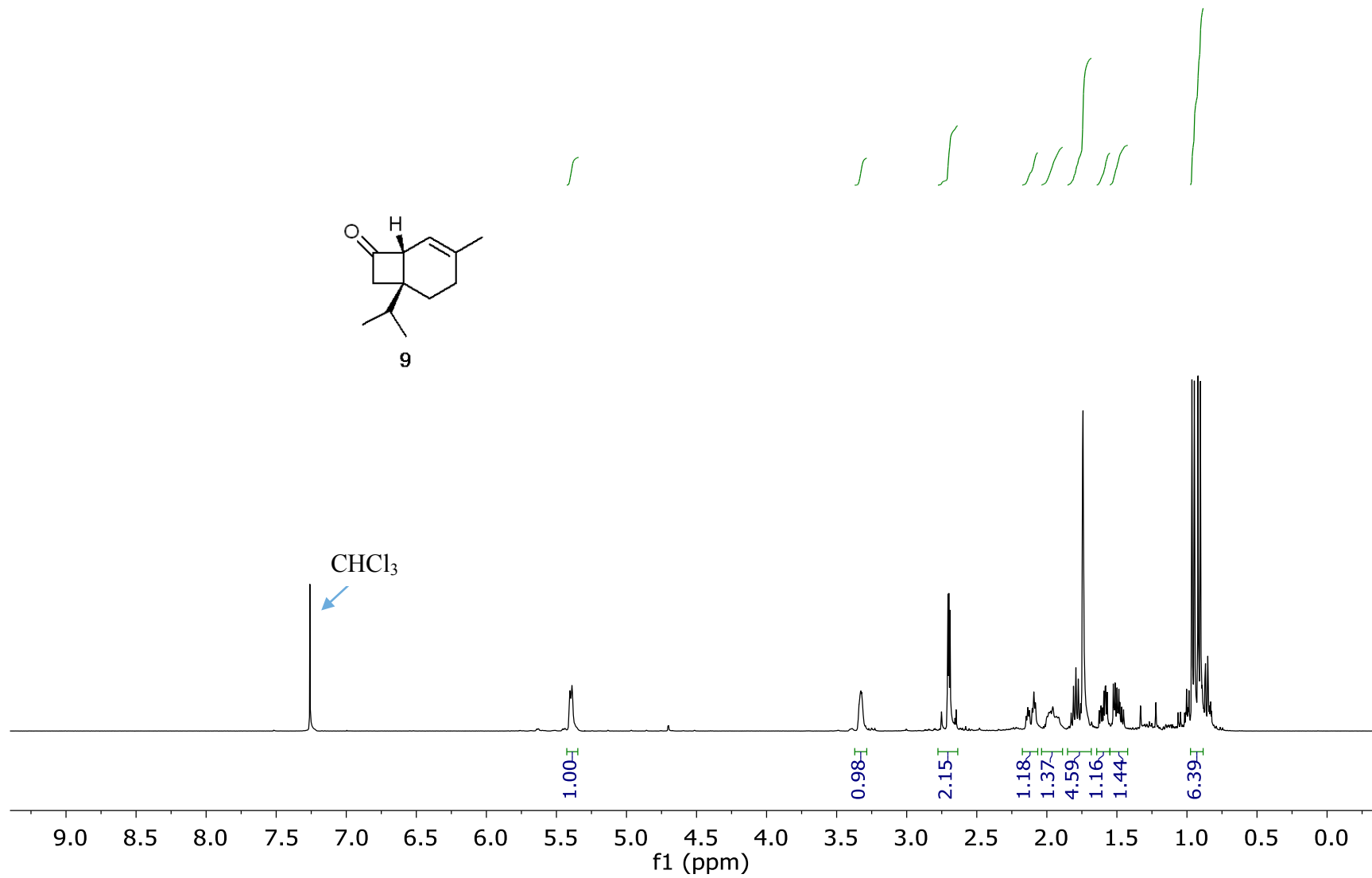


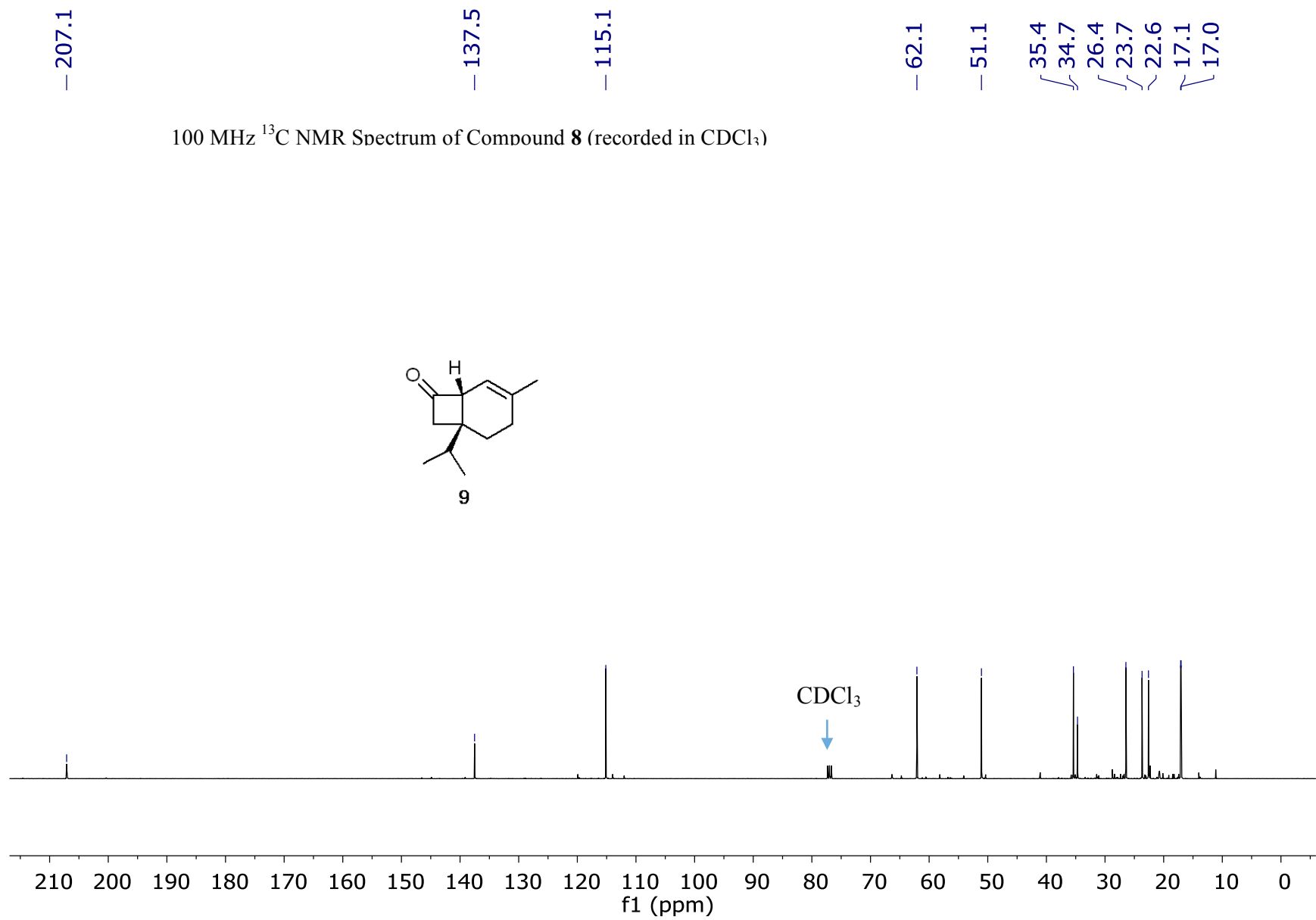
— 194.7  
— 140.2  
— 114.1  
— 92.5  
— 59.1  
— 49.9  
/ 34.3  
/ 27.7  
/ 23.3  
/ 18.4  
/ 17.9

100 MHz  $^{13}\text{C}$  NMR Spectrum of Compound **8** (recorded in  $\text{CDCl}_3$ )

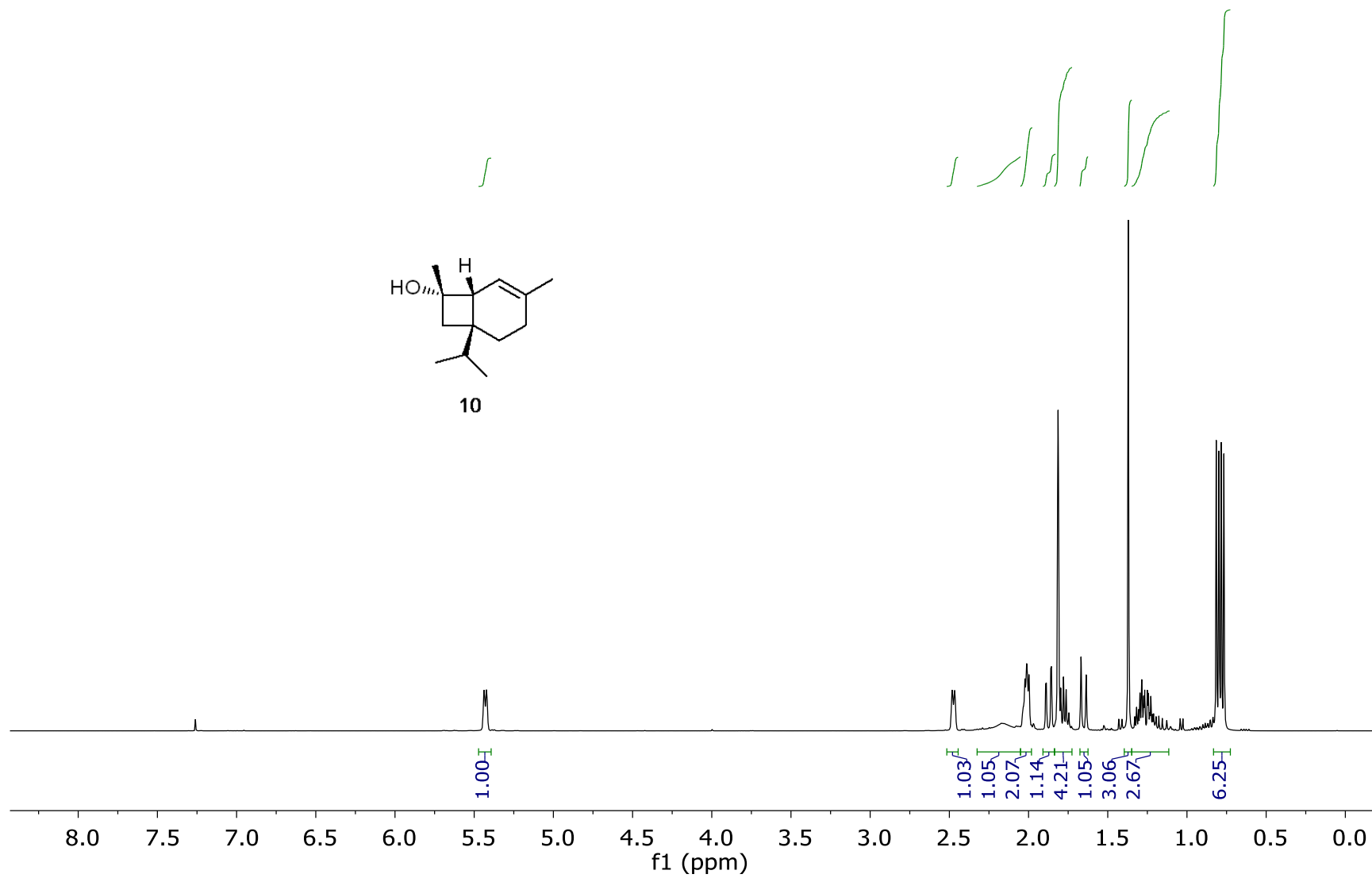


400 MHz  $^1\text{H}$  NMR Spectrum of Compound **9** (recorded in  $\text{CDCl}_3$ )



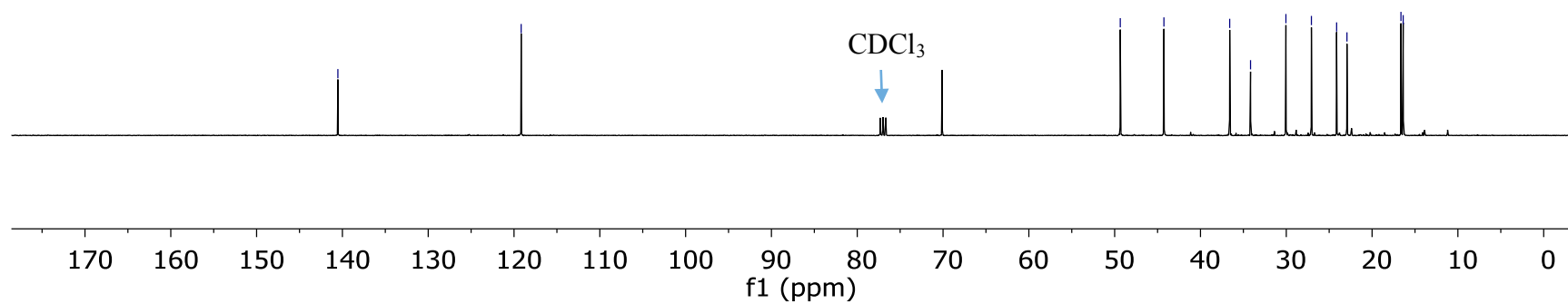
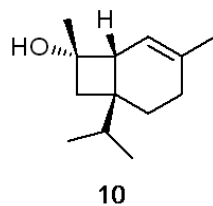


400 MHz  $^1\text{H}$  NMR Spectrum of Compound **10** (recorded in  $\text{CDCl}_3$ )



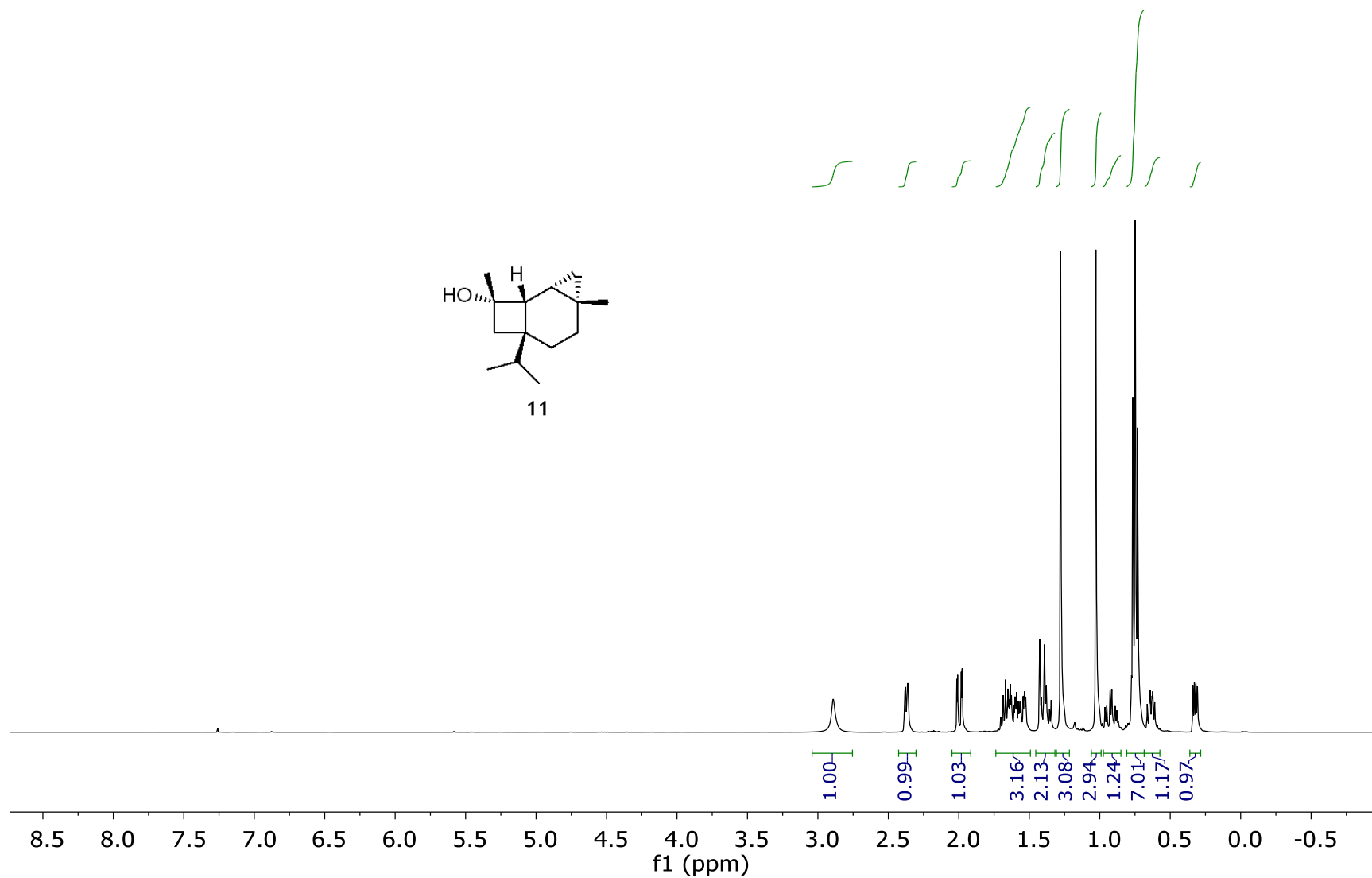
140.5  
119.2  
70.1  
49.3  
44.3  
36.6  
34.2  
30.0  
27.1  
24.1  
22.9  
16.6  
16.4

100 MHz  $^{13}\text{C}$  NMR Spectrum of Compound **10** (recorded in  $\text{CDCl}_3$ )





400 MHz  $^1\text{H}$  NMR Spectrum of Compound **11** (recorded in  $\text{CDCl}_3$ )



-70.4

-50.7

-46.2

36.3

31.5

30.5

28.6

26.4

26.0

17.7

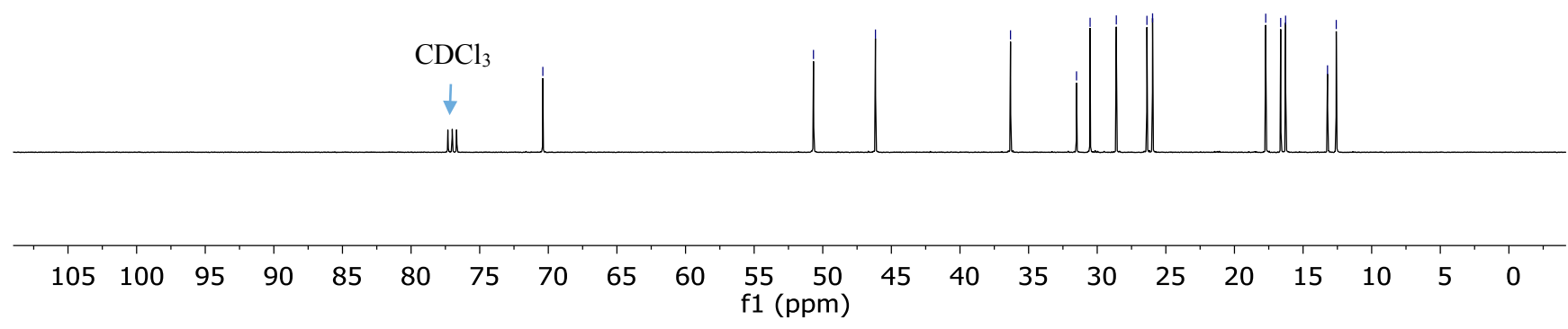
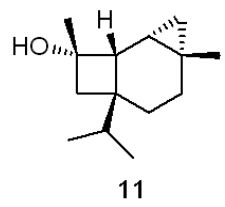
16.6

16.3

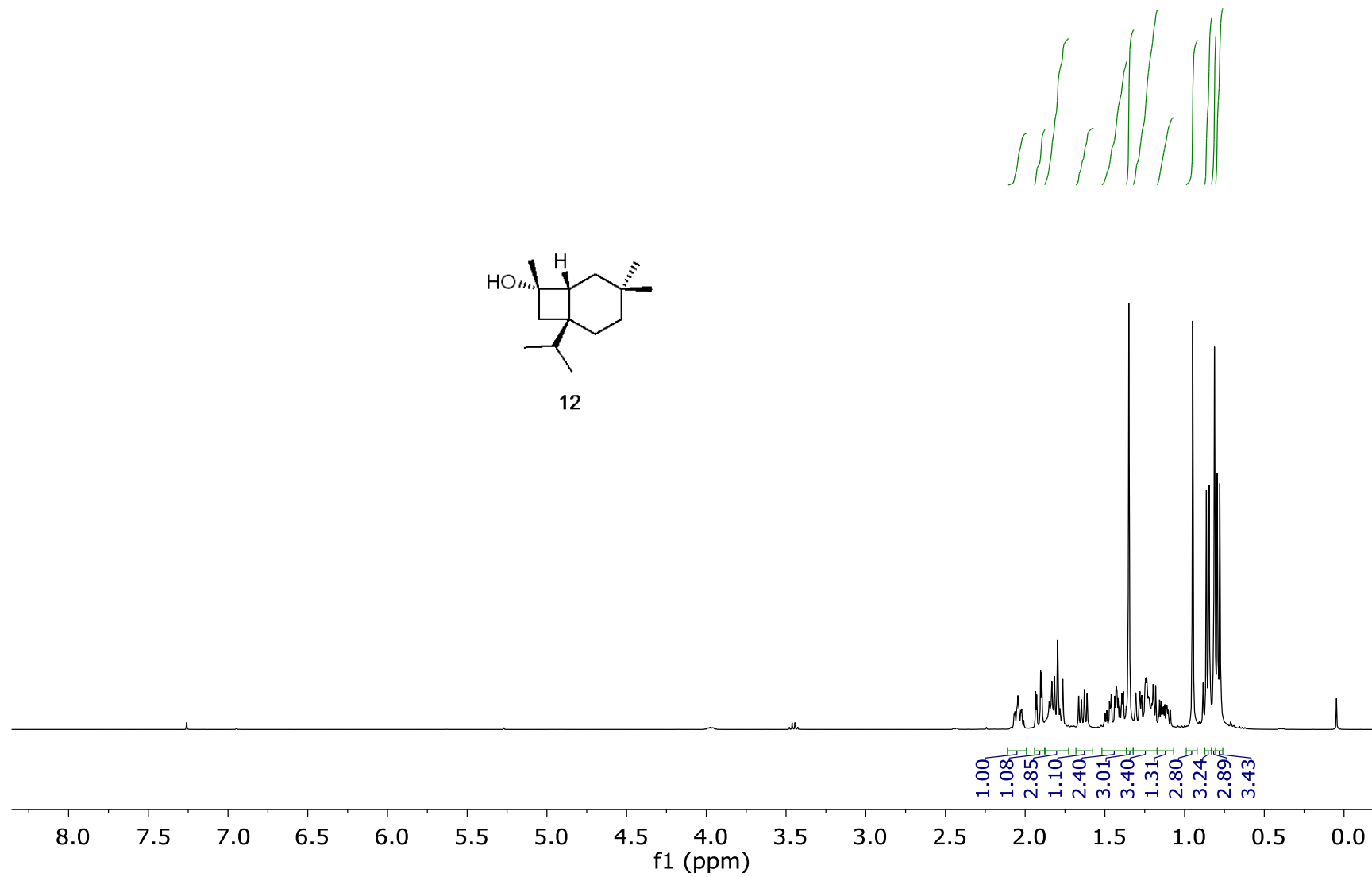
13.2

12.6

100 MHz <sup>13</sup>C NMR Spectrum of Compound **11** (recorded in CDCl<sub>3</sub>)



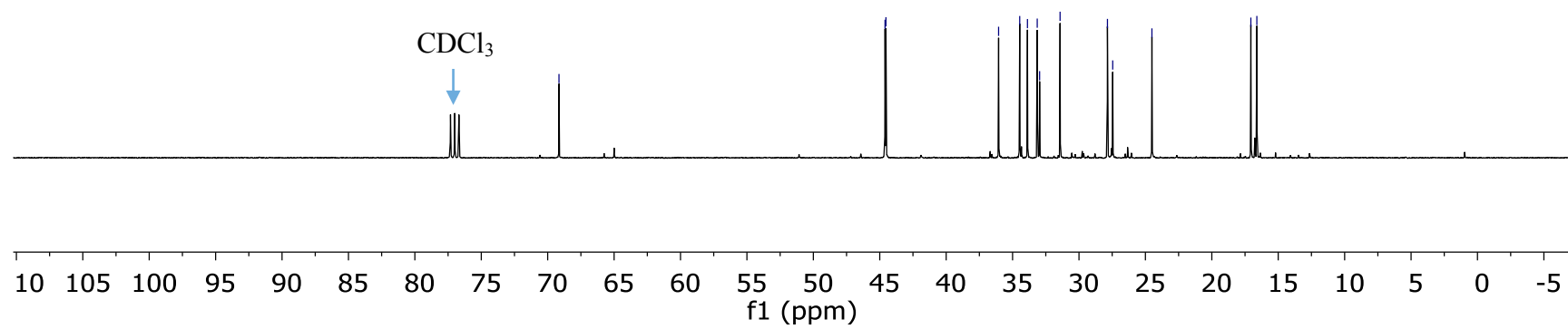
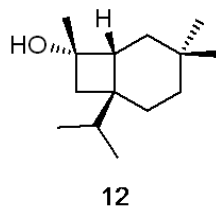
400 MHz  $^1\text{H}$  NMR Spectrum of Compound **12** (recorded in  $\text{CDCl}_3$ )



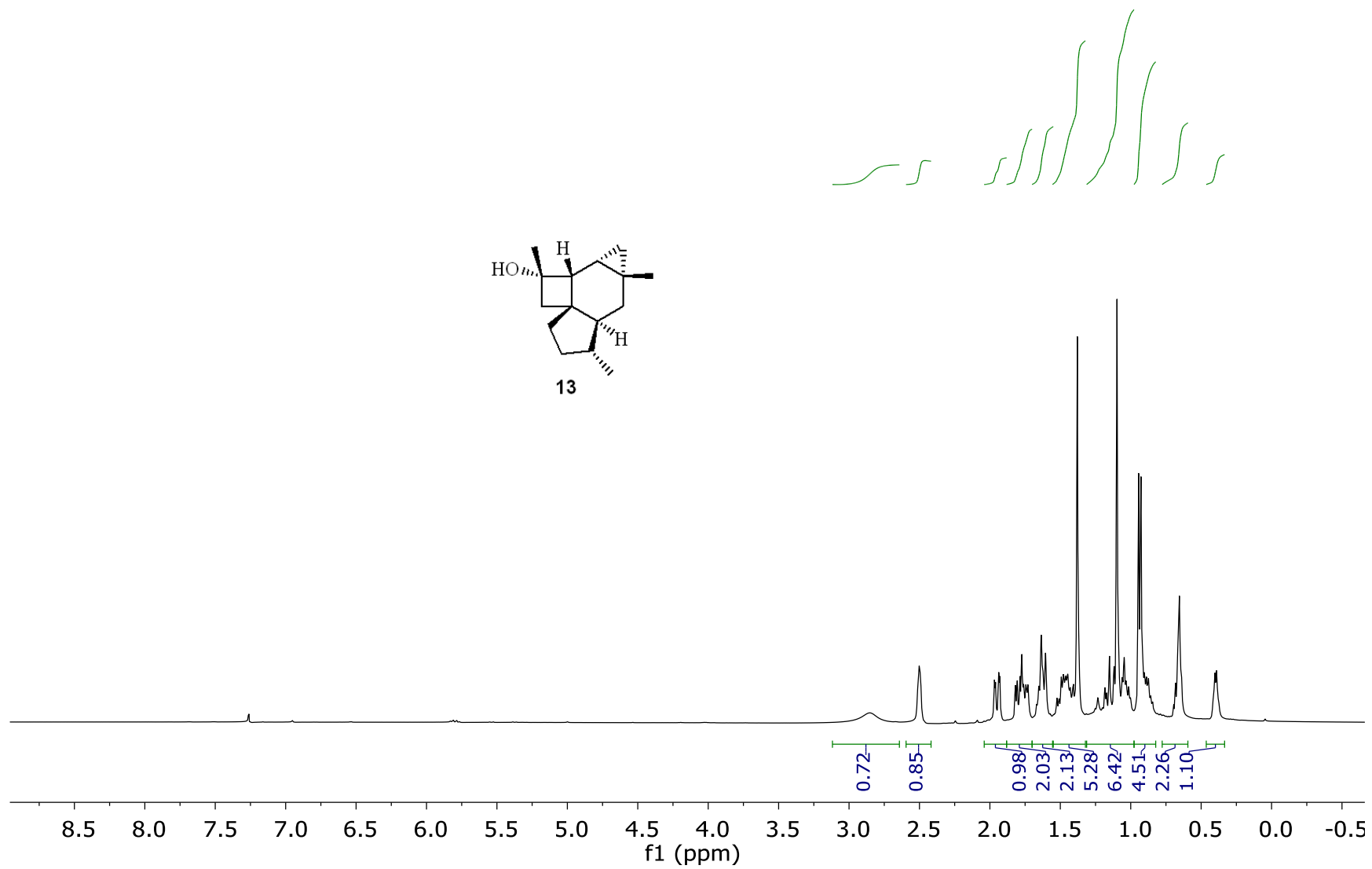
-69.1

44.6  
44.5  
36.1  
34.5  
33.9  
33.1  
33.0  
31.4  
27.9  
27.5  
24.5  
17.1  
16.6

100 MHz  $^{13}\text{C}$  NMR Spectrum of Compound **12** (recorded in  $\text{CDCl}_3$ )

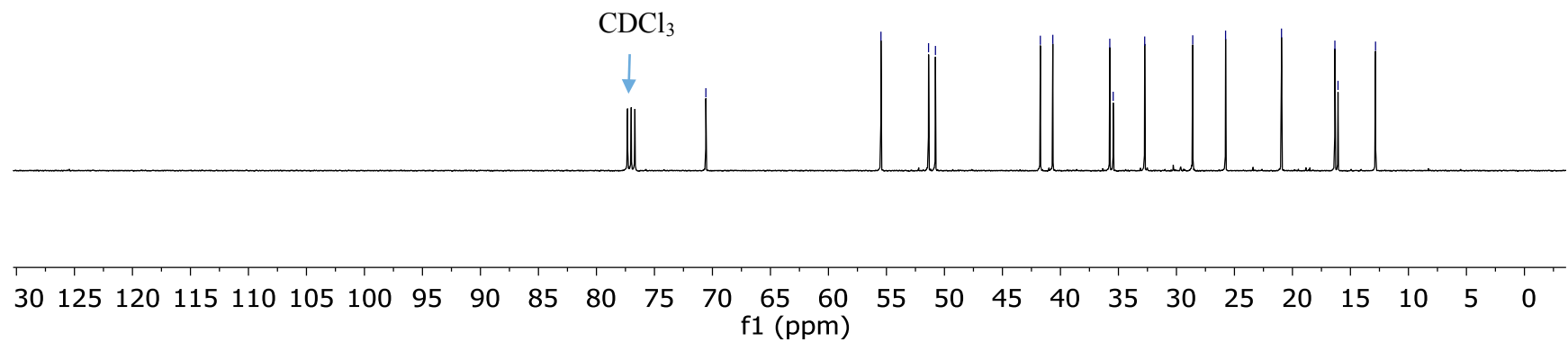
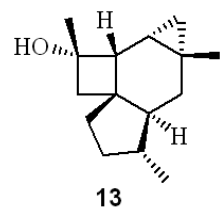


400 MHz  $^1\text{H}$  NMR Spectrum of Compound **13** (recorded in  $\text{CDCl}_3$ )

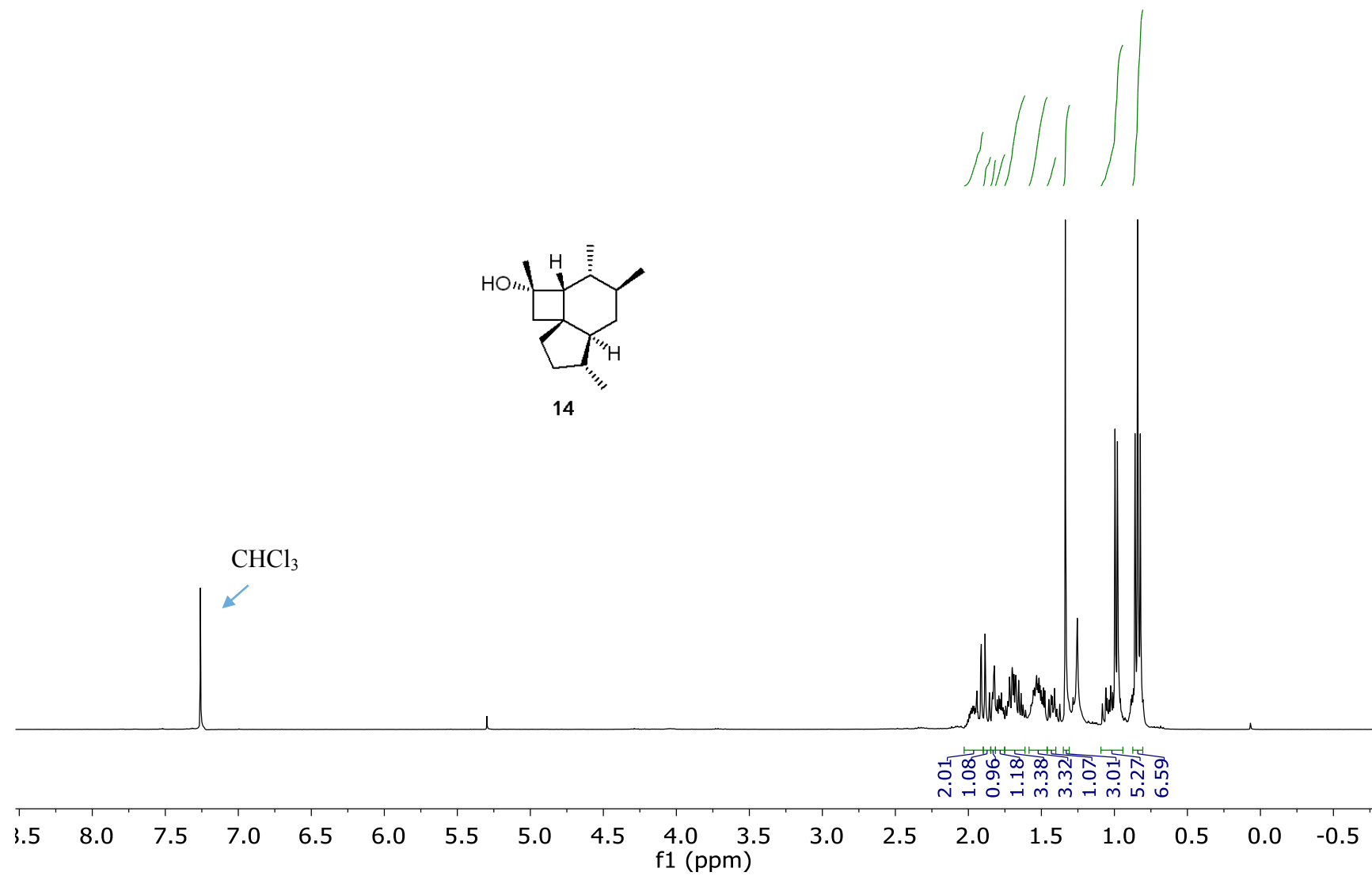


- 70.6  
 - 55.5  
 - 51.4  
 - 50.8  
 - 41.7  
 - 40.7  
 - 35.7  
 - 35.5  
 - 32.7  
 - 28.6  
 - 25.8  
 - 20.9  
 - 16.3  
 - 16.1  
 - 12.8

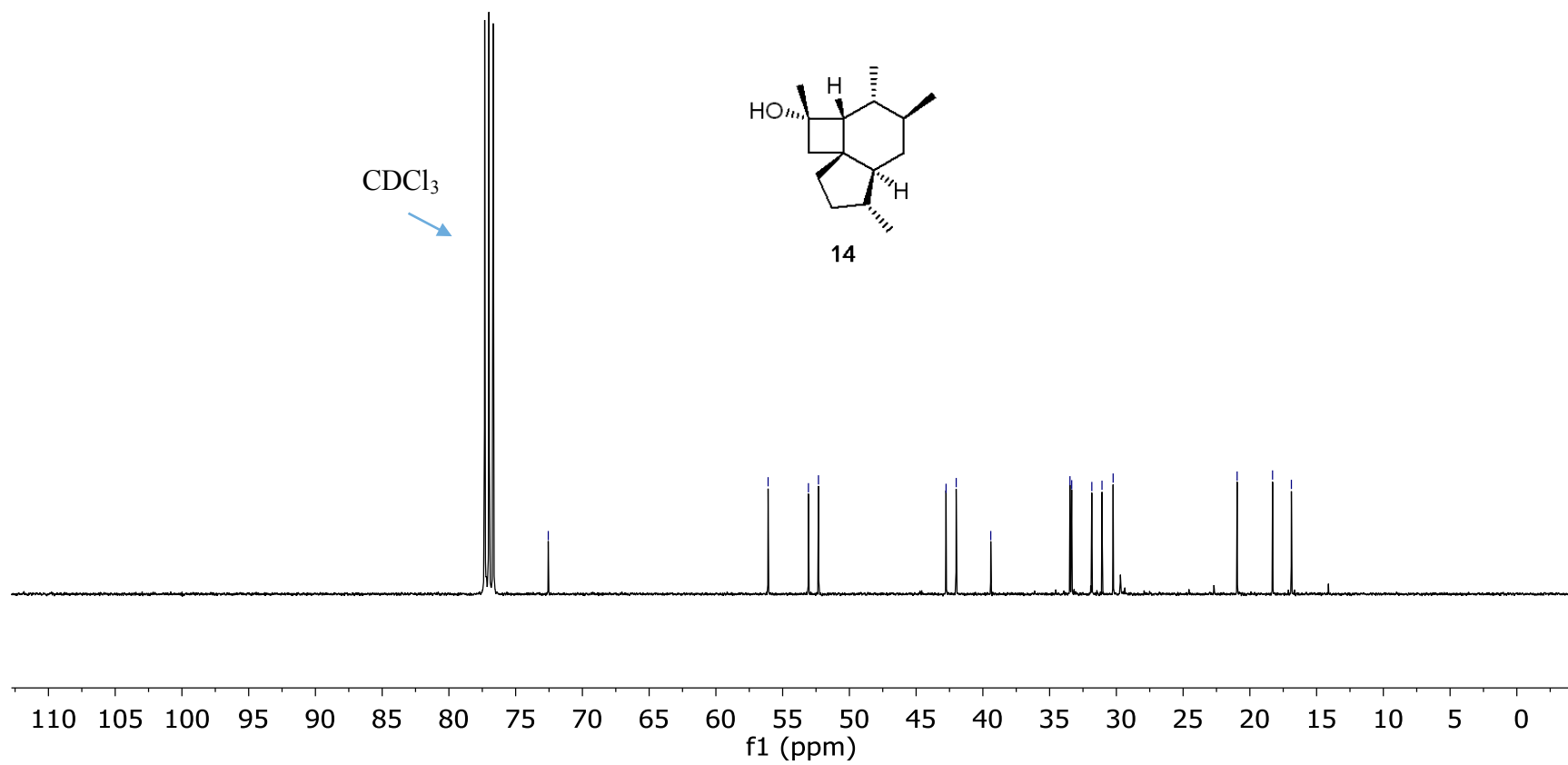
100 MHz <sup>13</sup>C NMR Spectrum of Compound **13** (recorded in CDCl<sub>3</sub>)



400 MHz  $^1\text{H}$  NMR Spectrum of Compound **14** (recorded in  $\text{CDCl}_3$ )

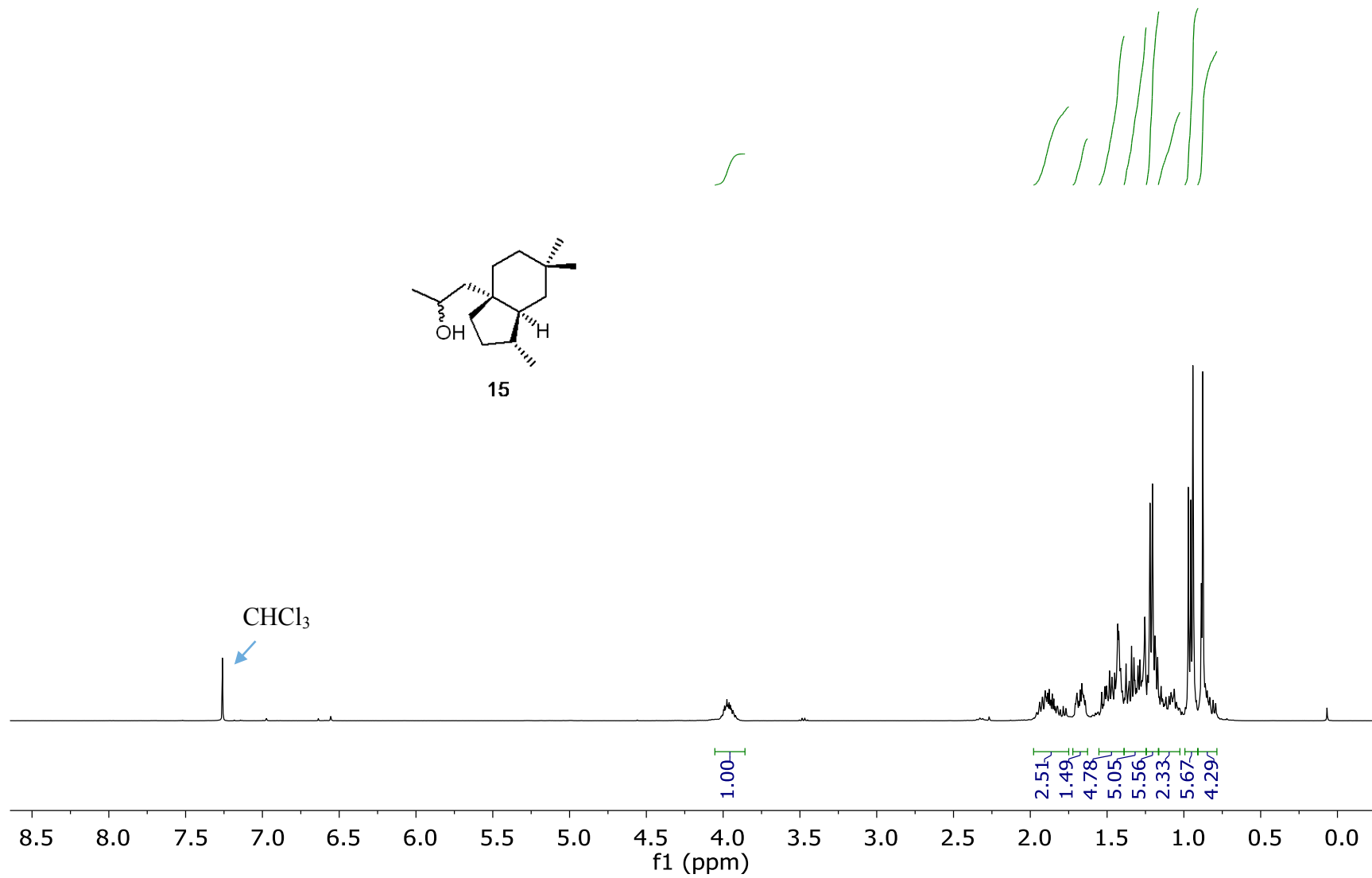


100 MHz  $^{13}\text{C}$  NMR Spectrum of Compound **14** (recorded in  $\text{CDCl}_3$ )





400 MHz  $^1\text{H}$  NMR Spectrum of Compound **15** (recorded in  $\text{CDCl}_3$ )



100 MHz  $^{13}\text{C}$  NMR Spectrum of Compound **15** (recorded in  $\text{CDCl}_3$ )

