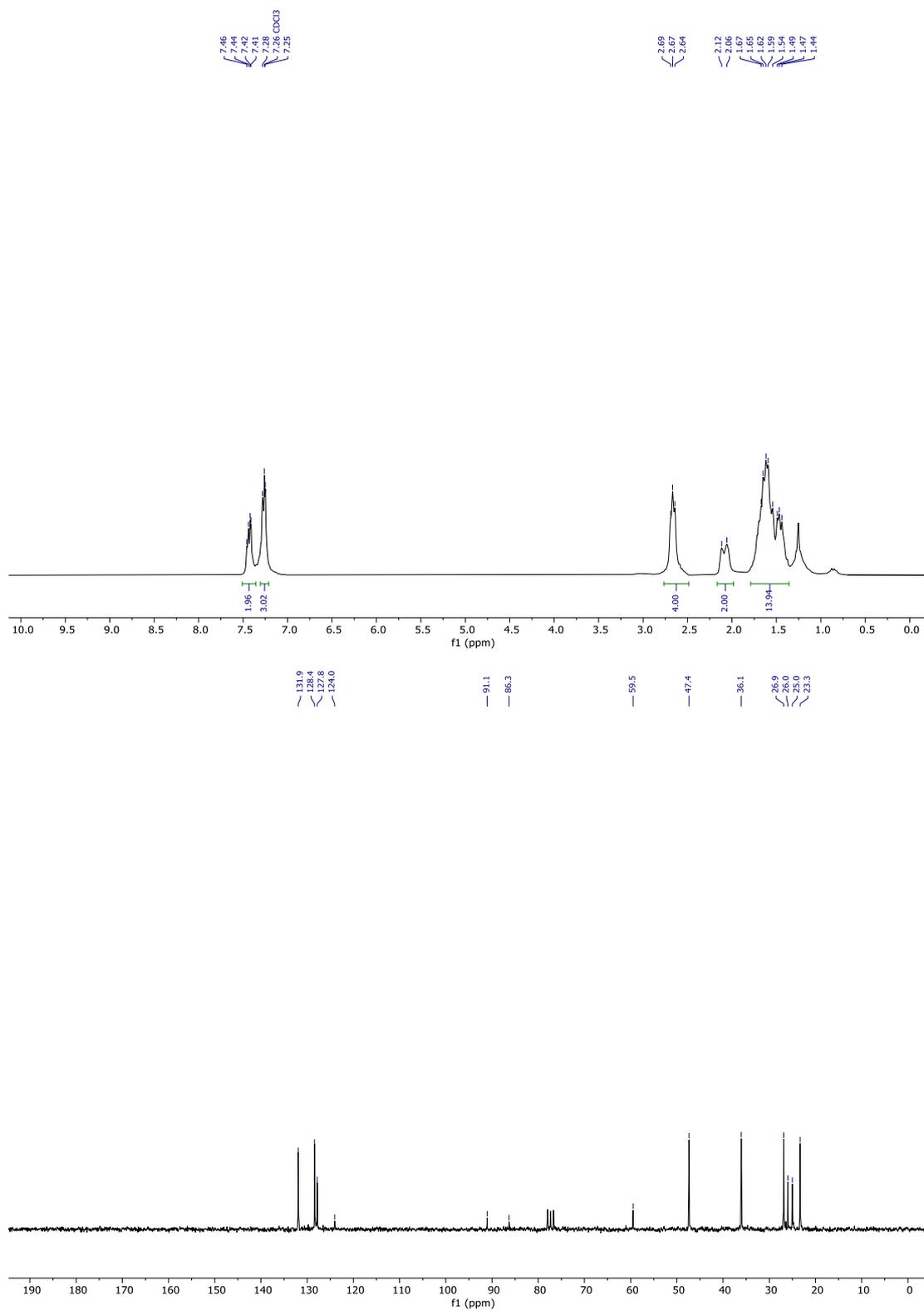


## Supporting Information

Are terminal alkynes necessary for MAO-A/MAO-B inhibition? A new scaffold is revealed

Panagiou Mavroeidi <sup>1</sup>, Leandros P. Zorba <sup>1</sup>, Nikolaos V. Tzouras <sup>1</sup>, Stavros P. Neofotistos <sup>1</sup>, Nikitas Georgiou <sup>1</sup>, Kader Sahin <sup>2</sup>, Murat Şentürk <sup>3</sup>, Serdar Durdagi <sup>4,5,6,\*</sup>, Georgios C. Vougioukalakis <sup>1,\*</sup> and Thomas Mavromoustakos <sup>1,\*</sup>



**Figure S1:** <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4a**.

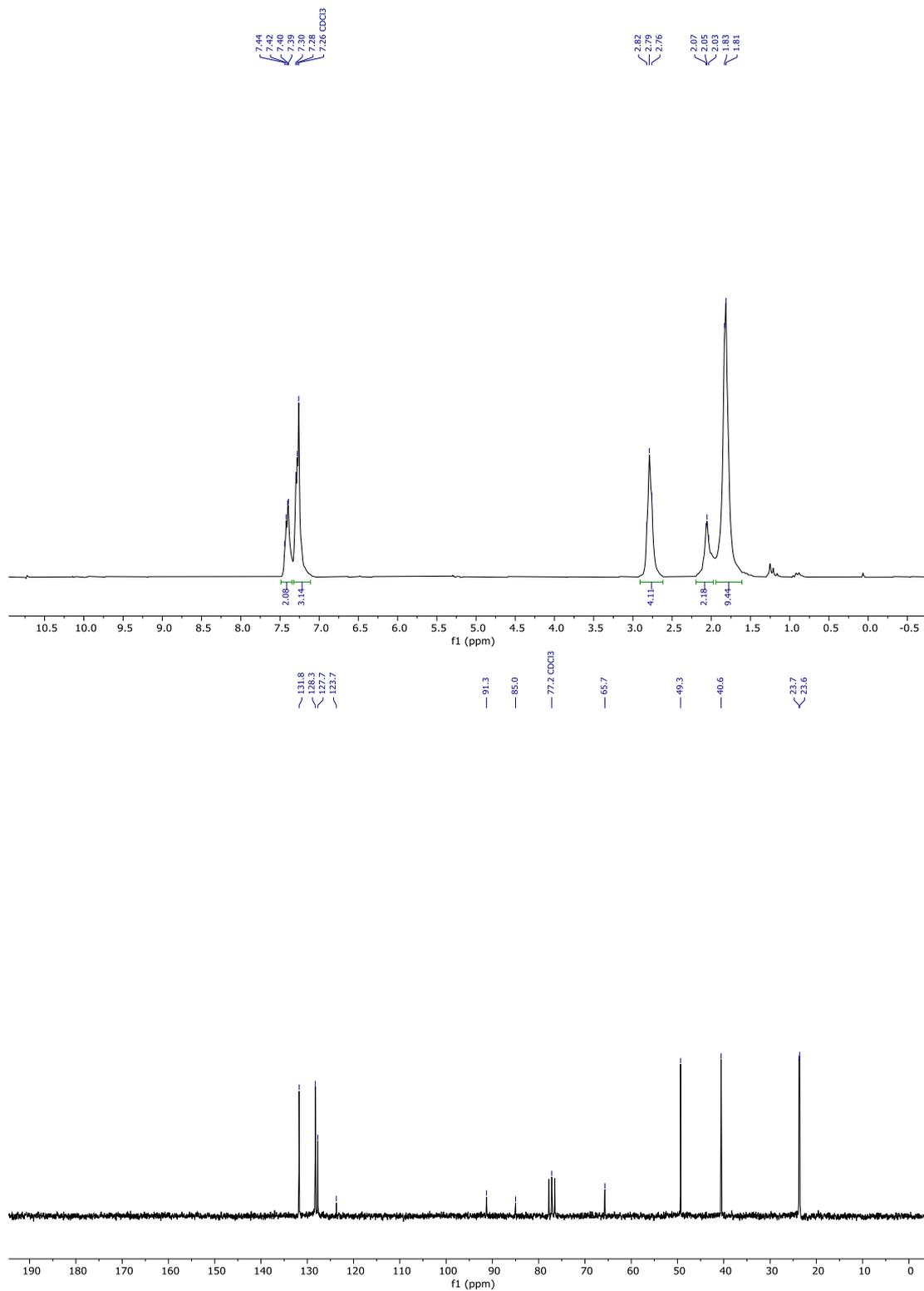
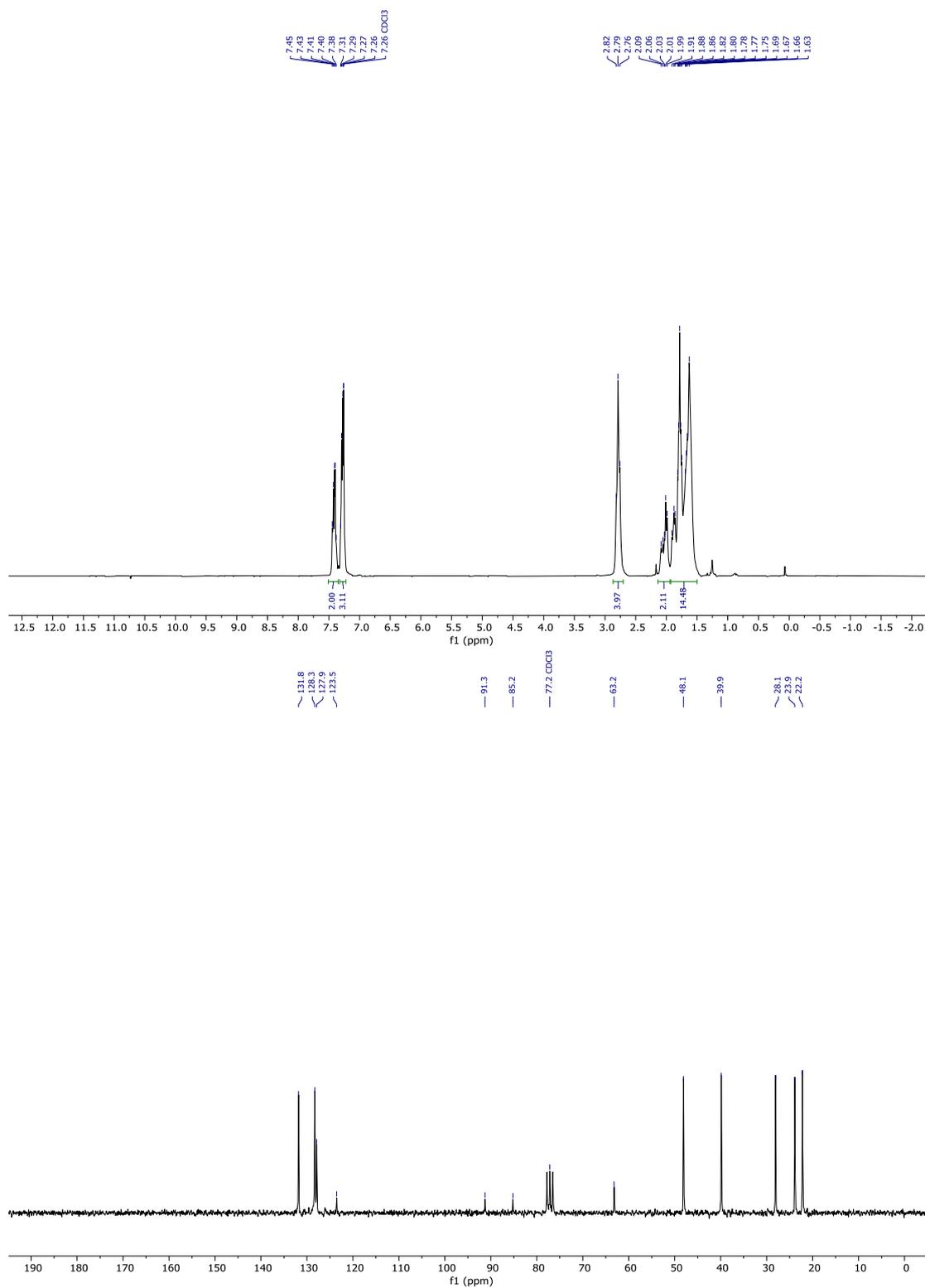


Figure S2: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4b**.



**Figure S3:** <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4c**.

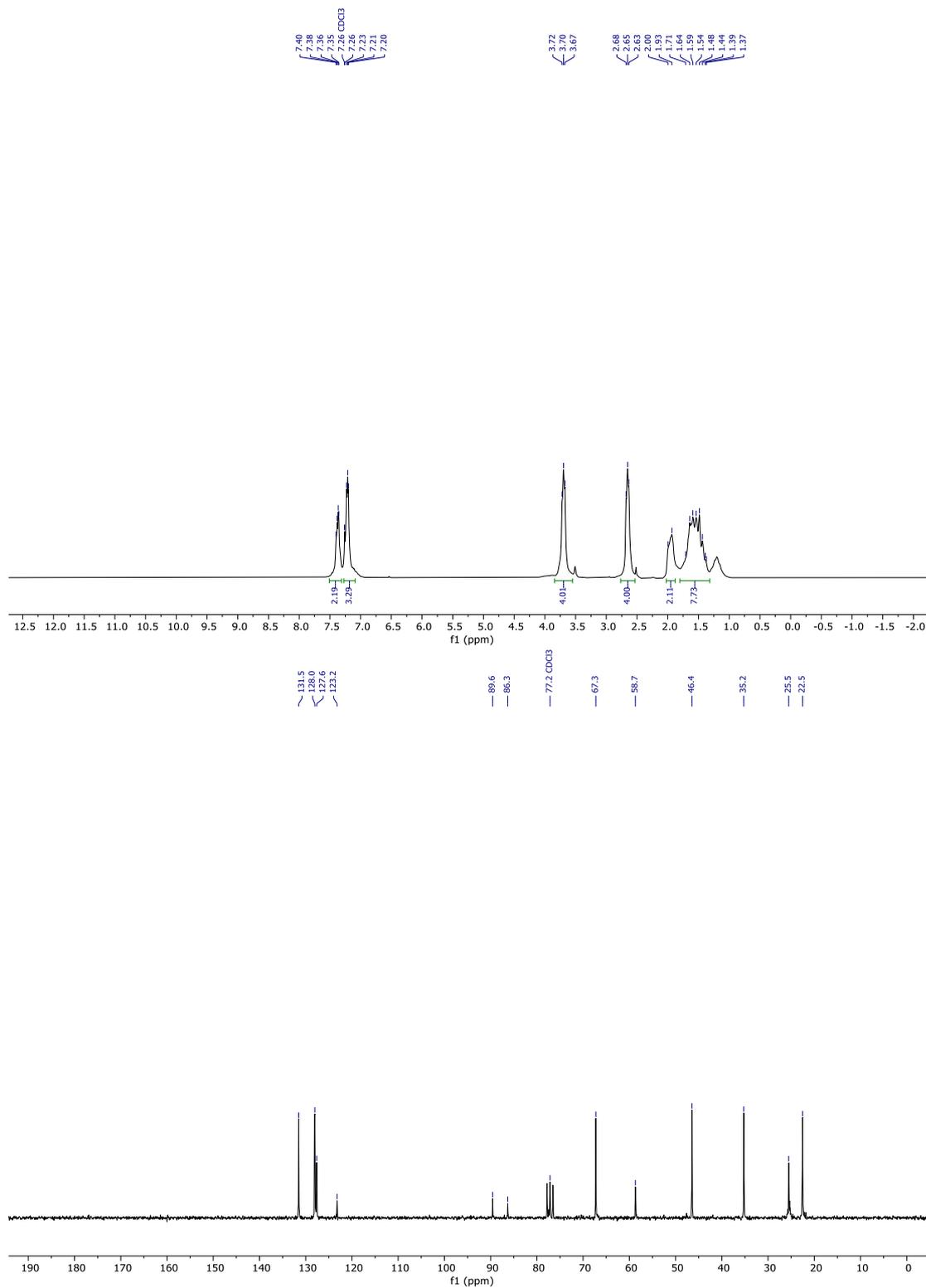


Figure S4: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4d**.

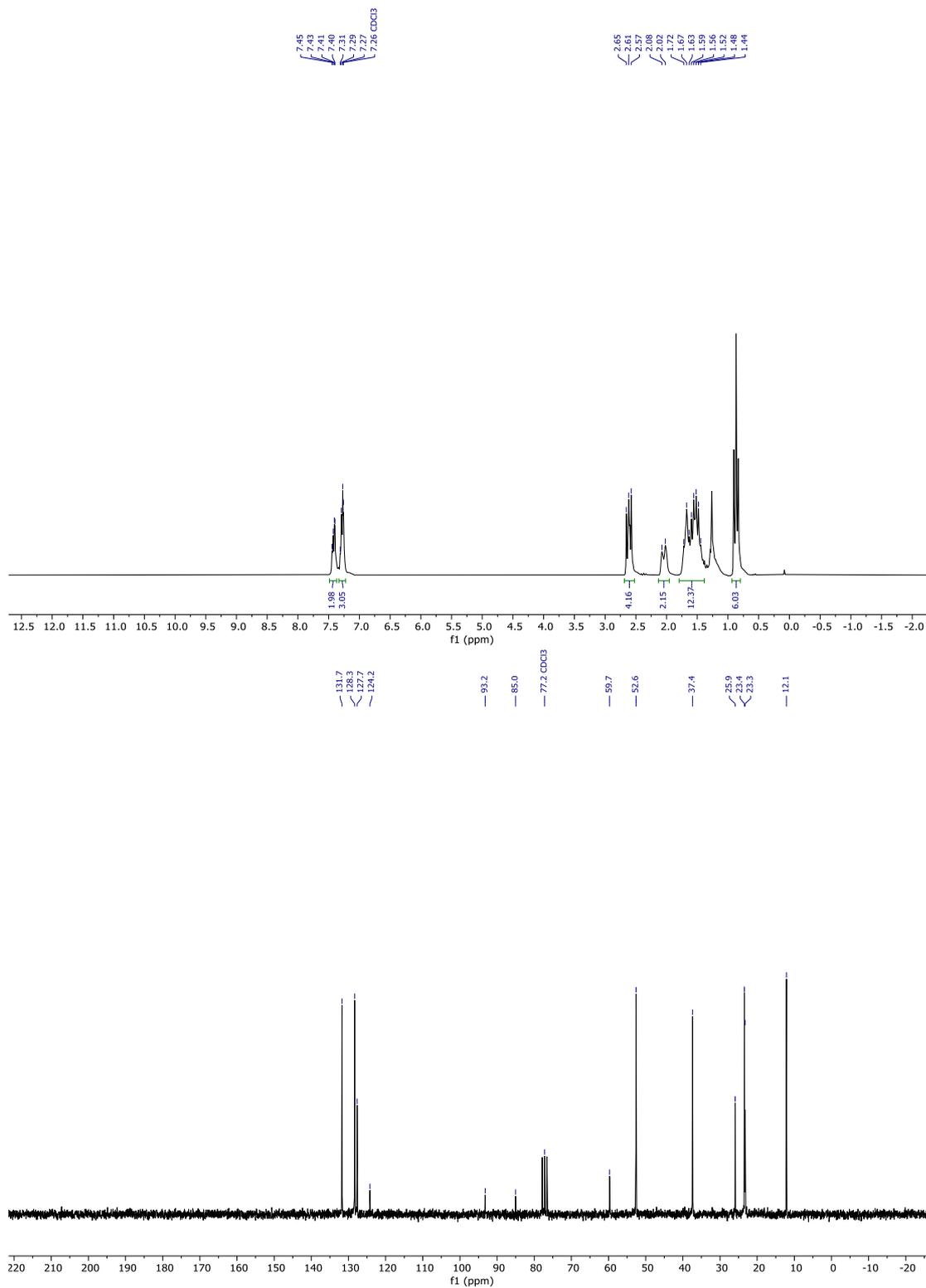
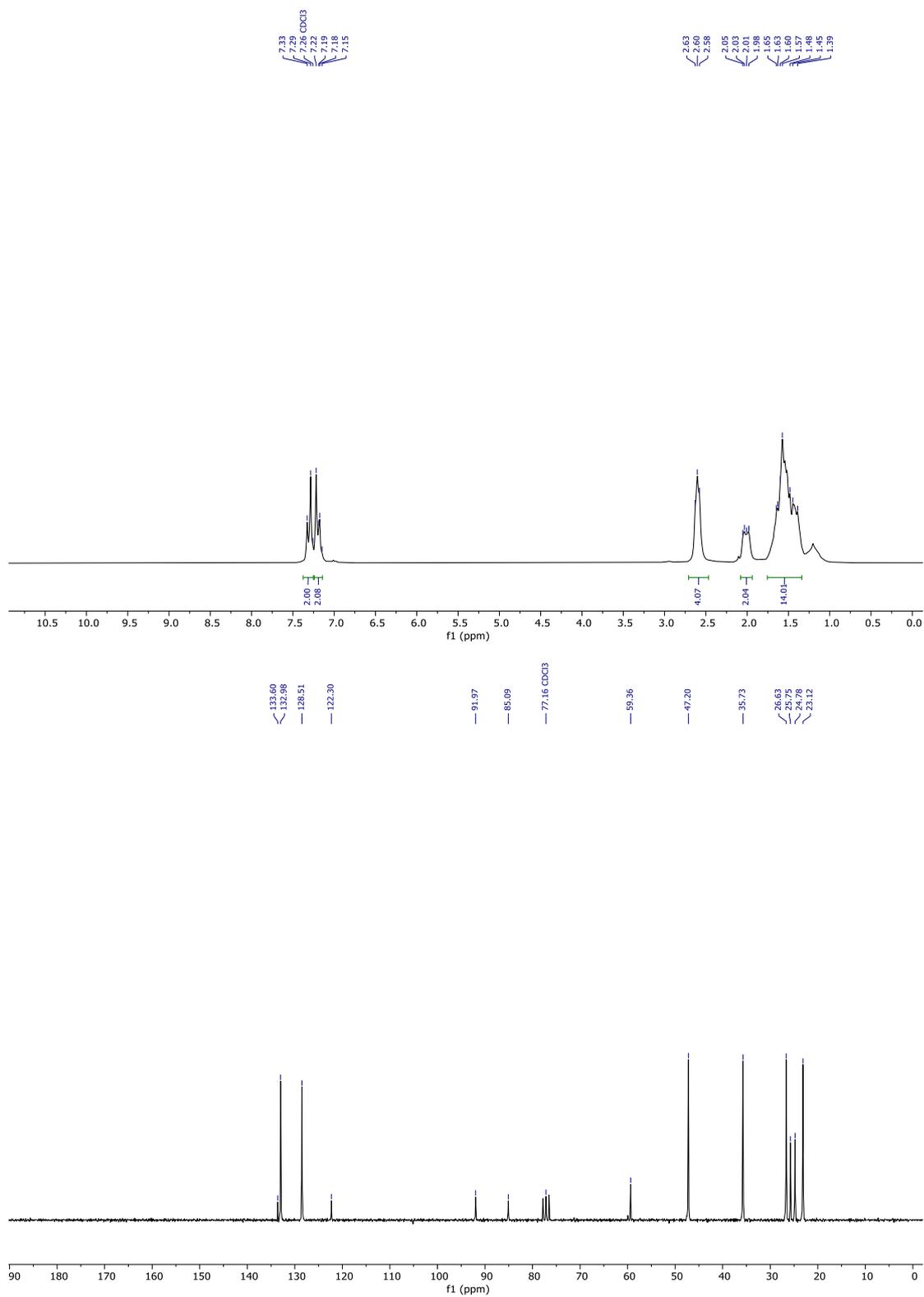


Figure S5: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4e**.



**Figure S6:** <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4f**.

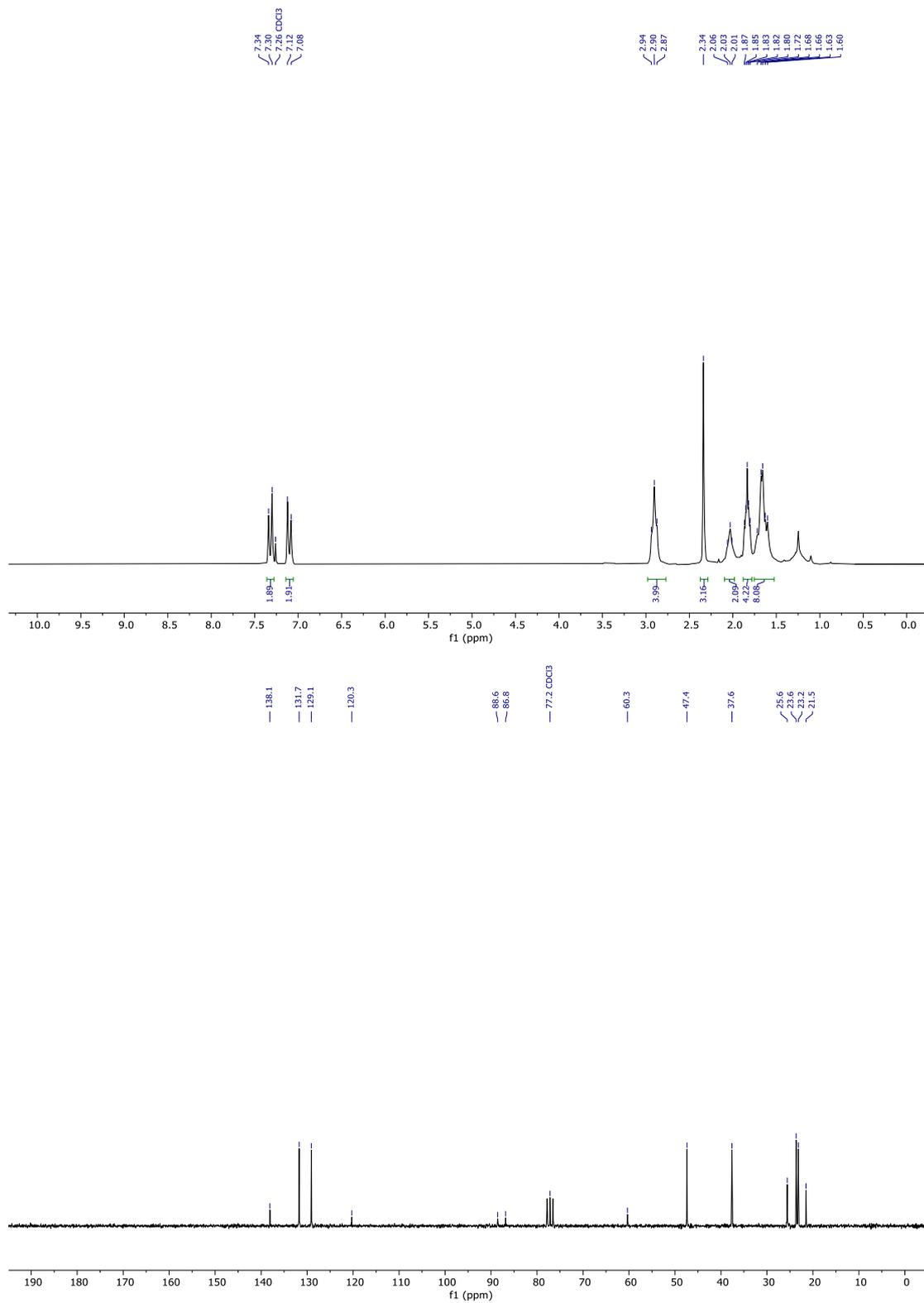
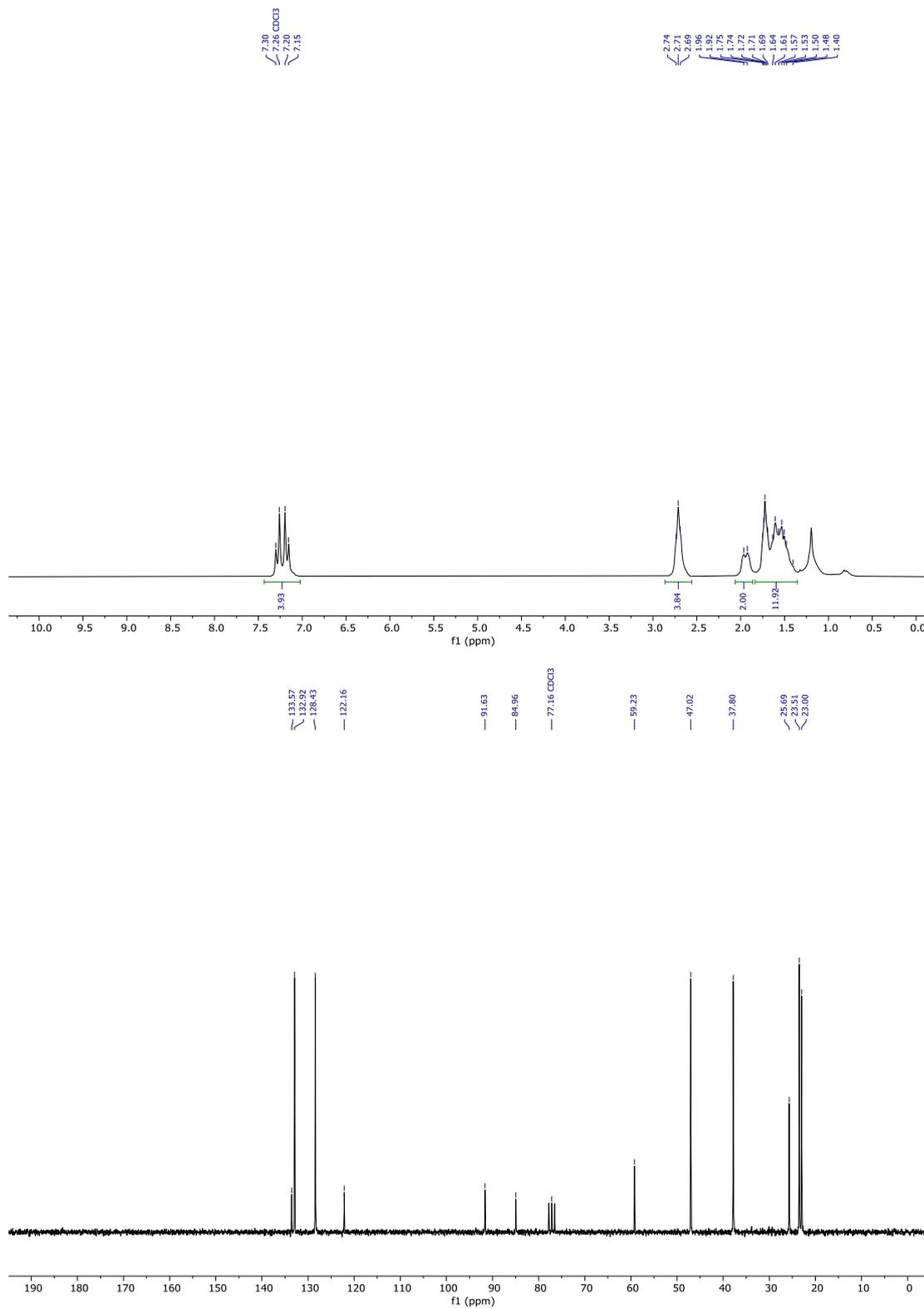


Figure S7: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4g**.



**Figure S8:** <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4h**.

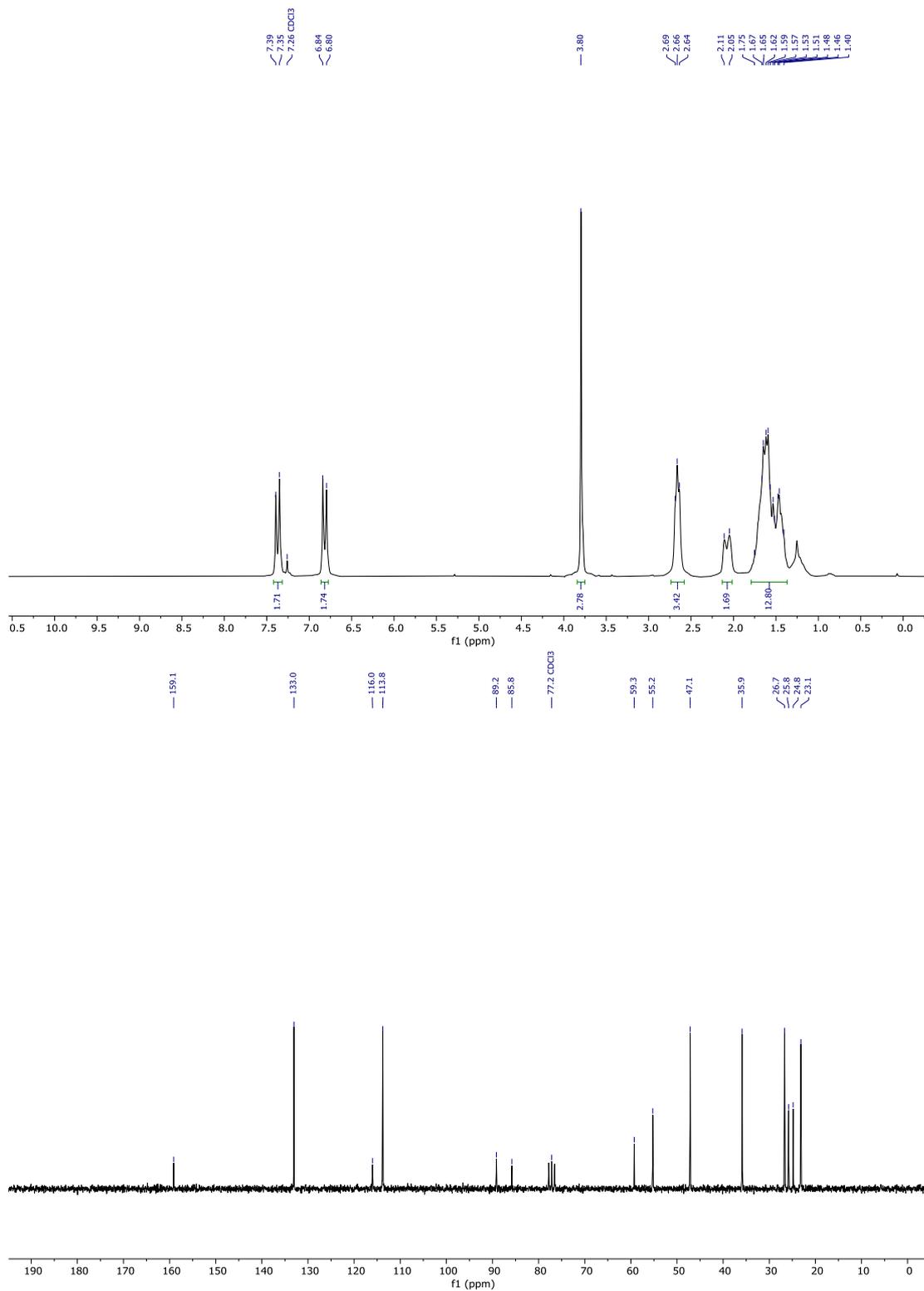


Figure S9: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4i.

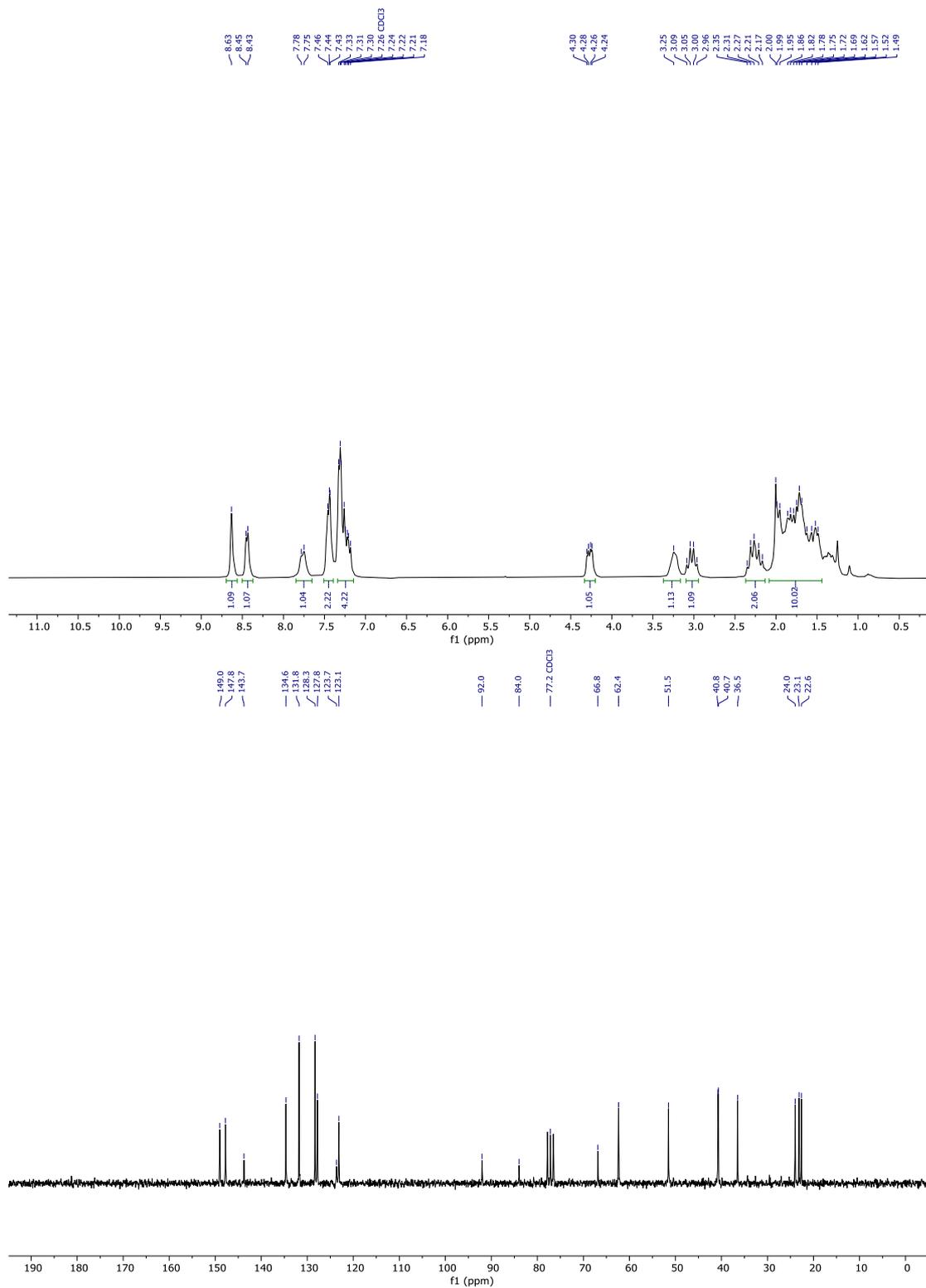


Figure S10: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4j.

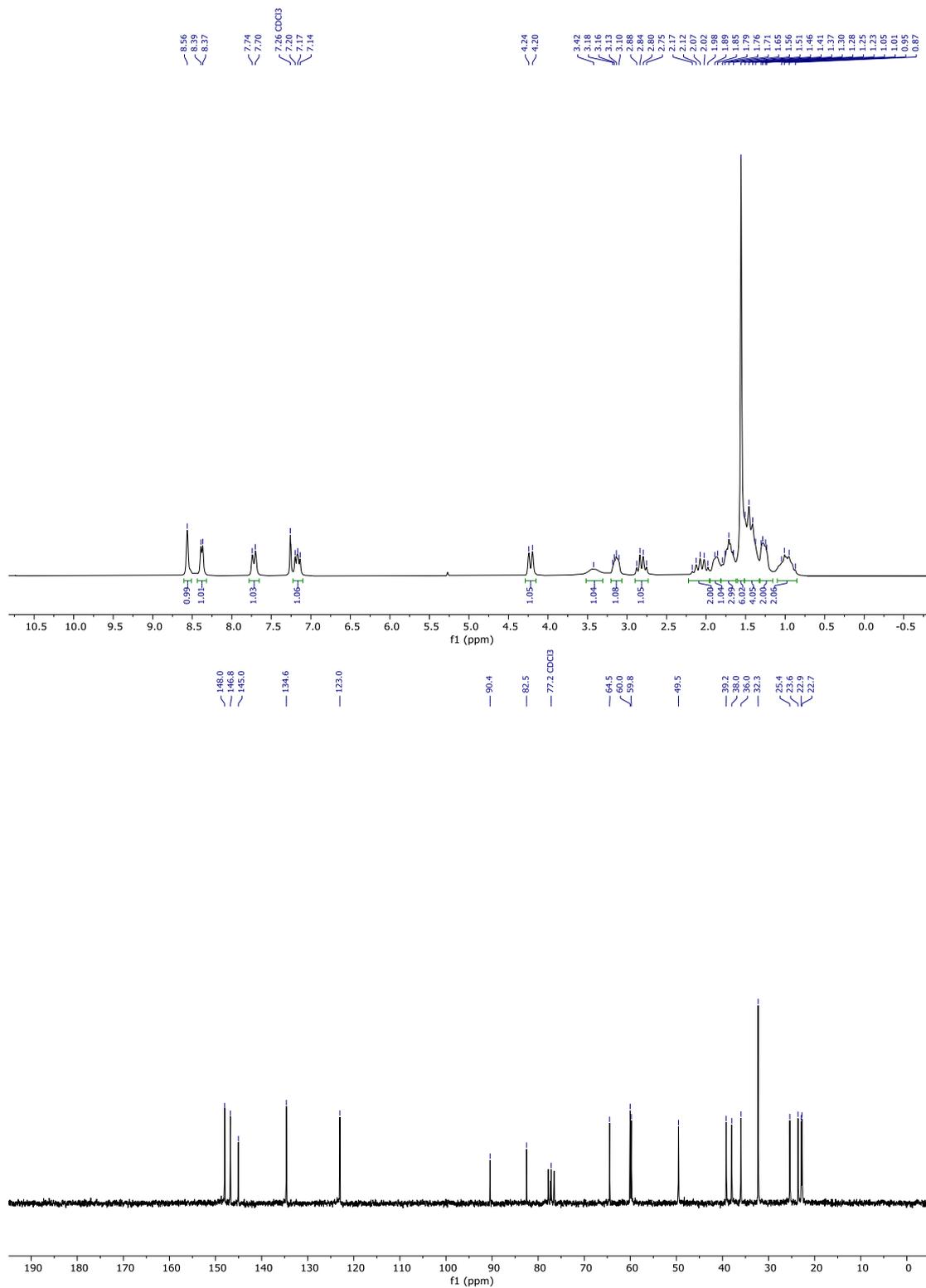


Figure S11: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4k.

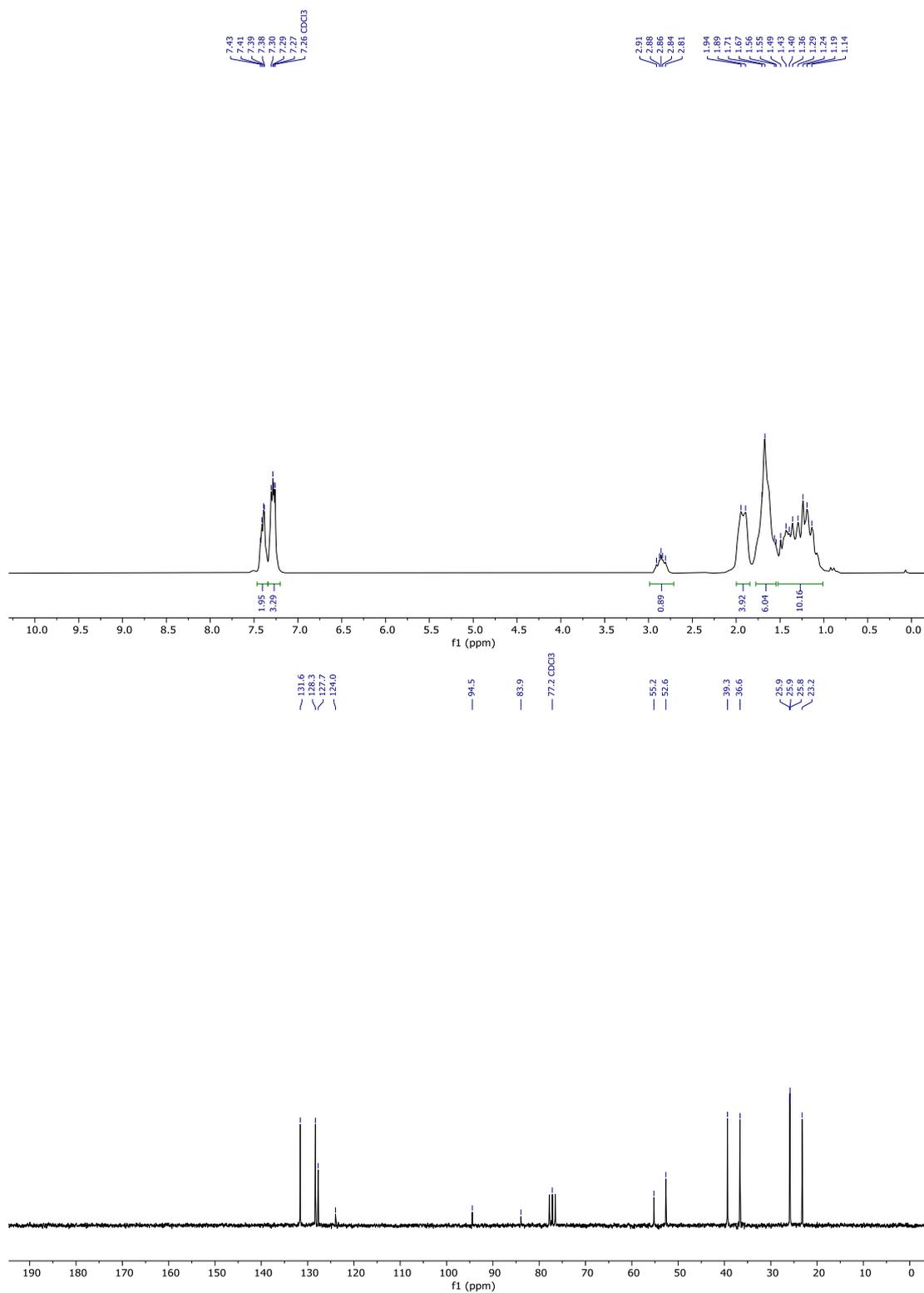


Figure S12: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4I.

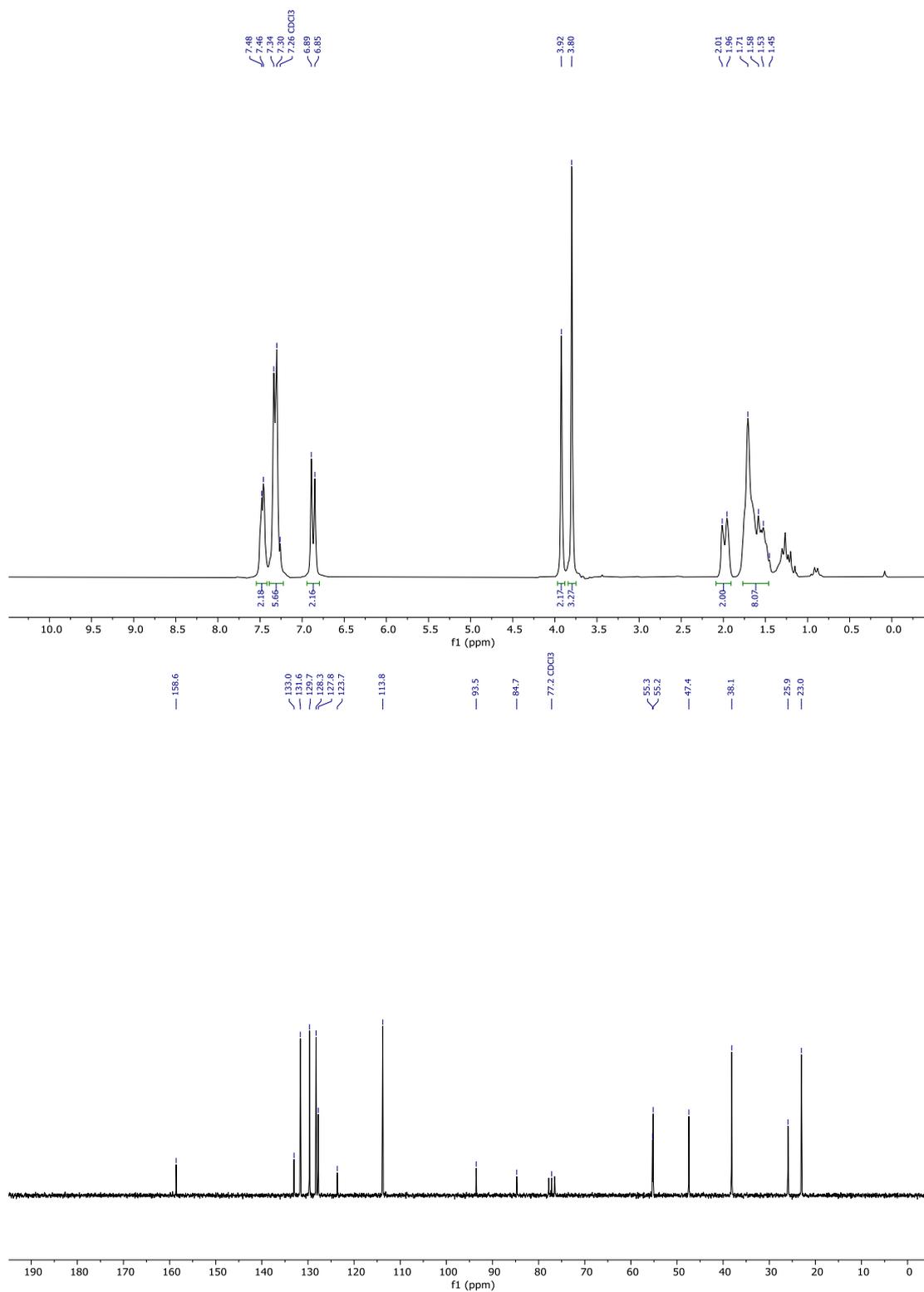
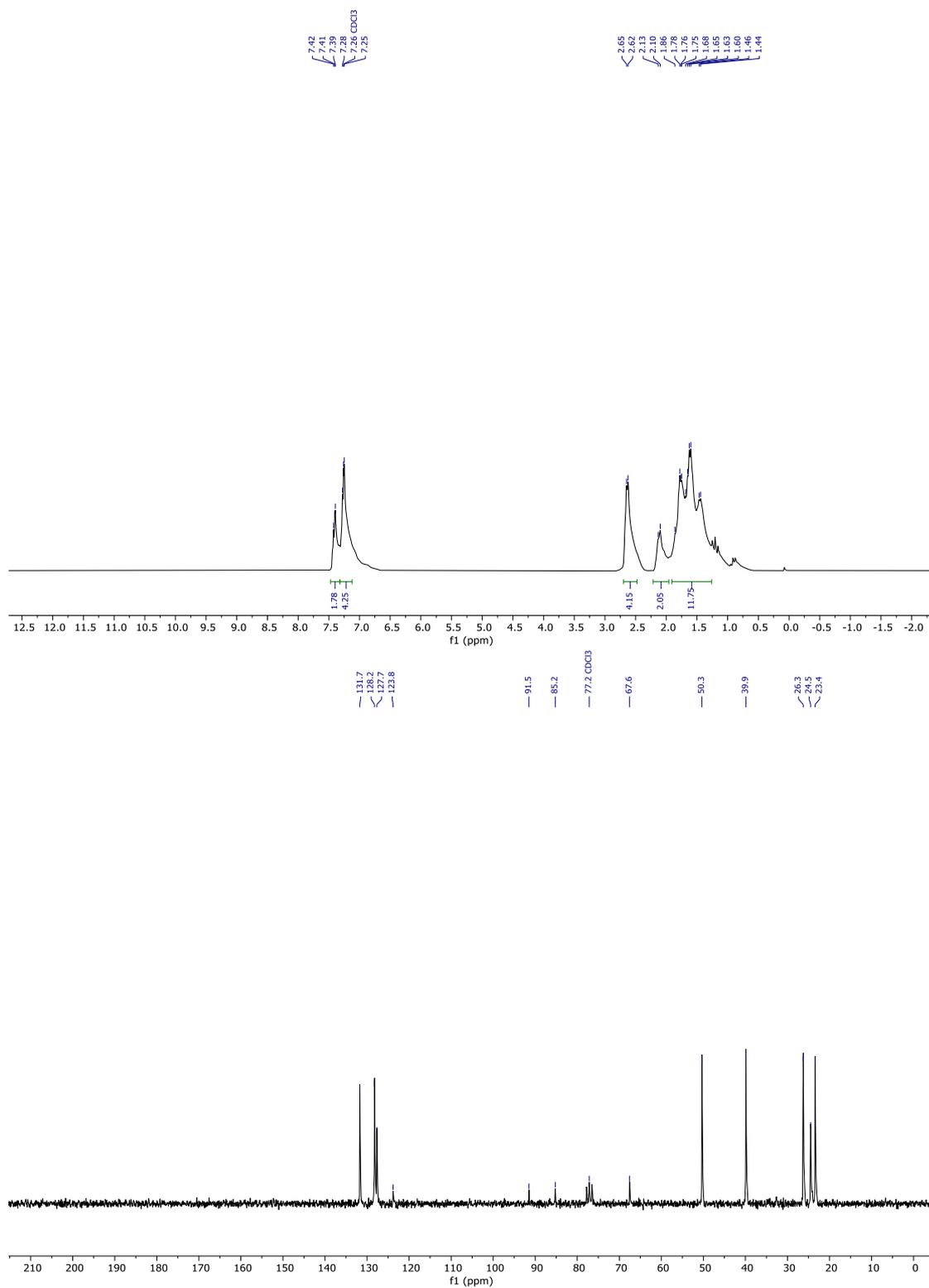


Figure S13: <sup>1</sup>H (400 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4m.



**Figure S14:** <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4n**.

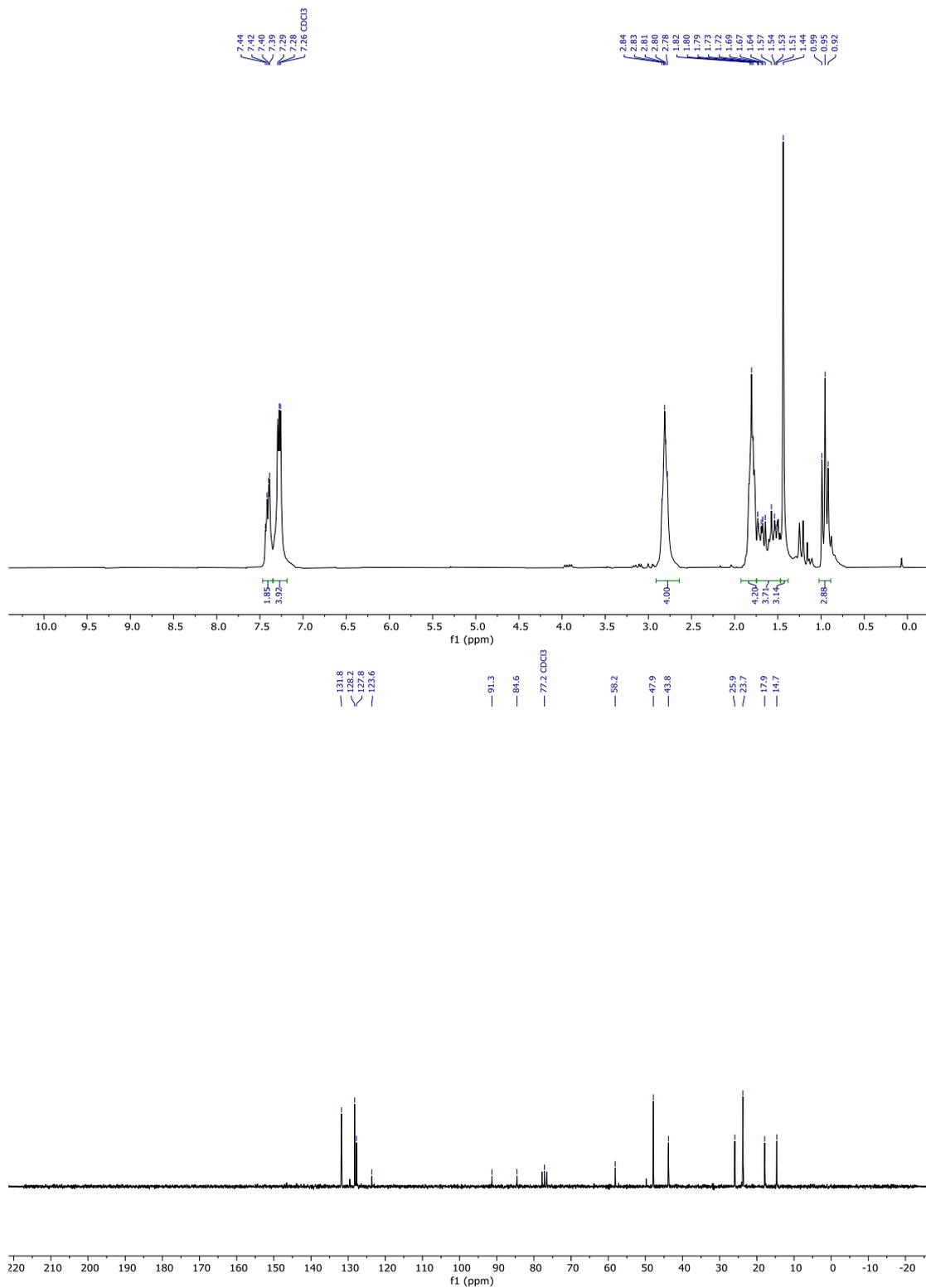


Figure S15: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4p.

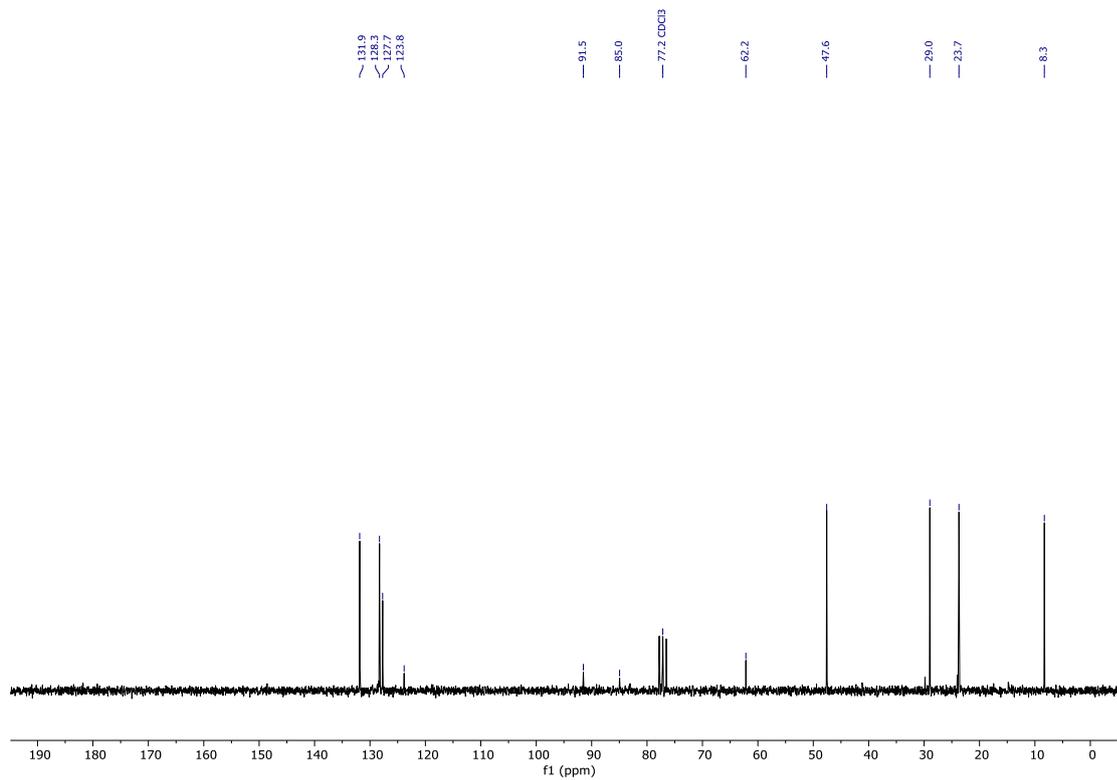
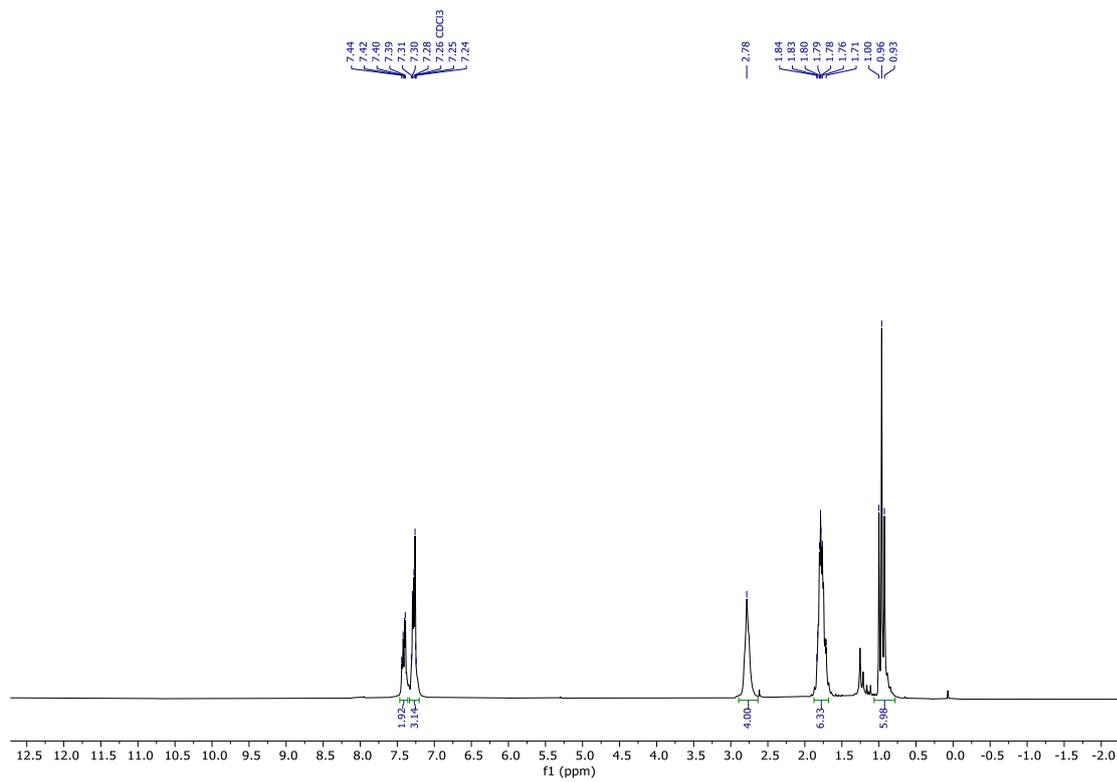


Figure S16: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4q**.

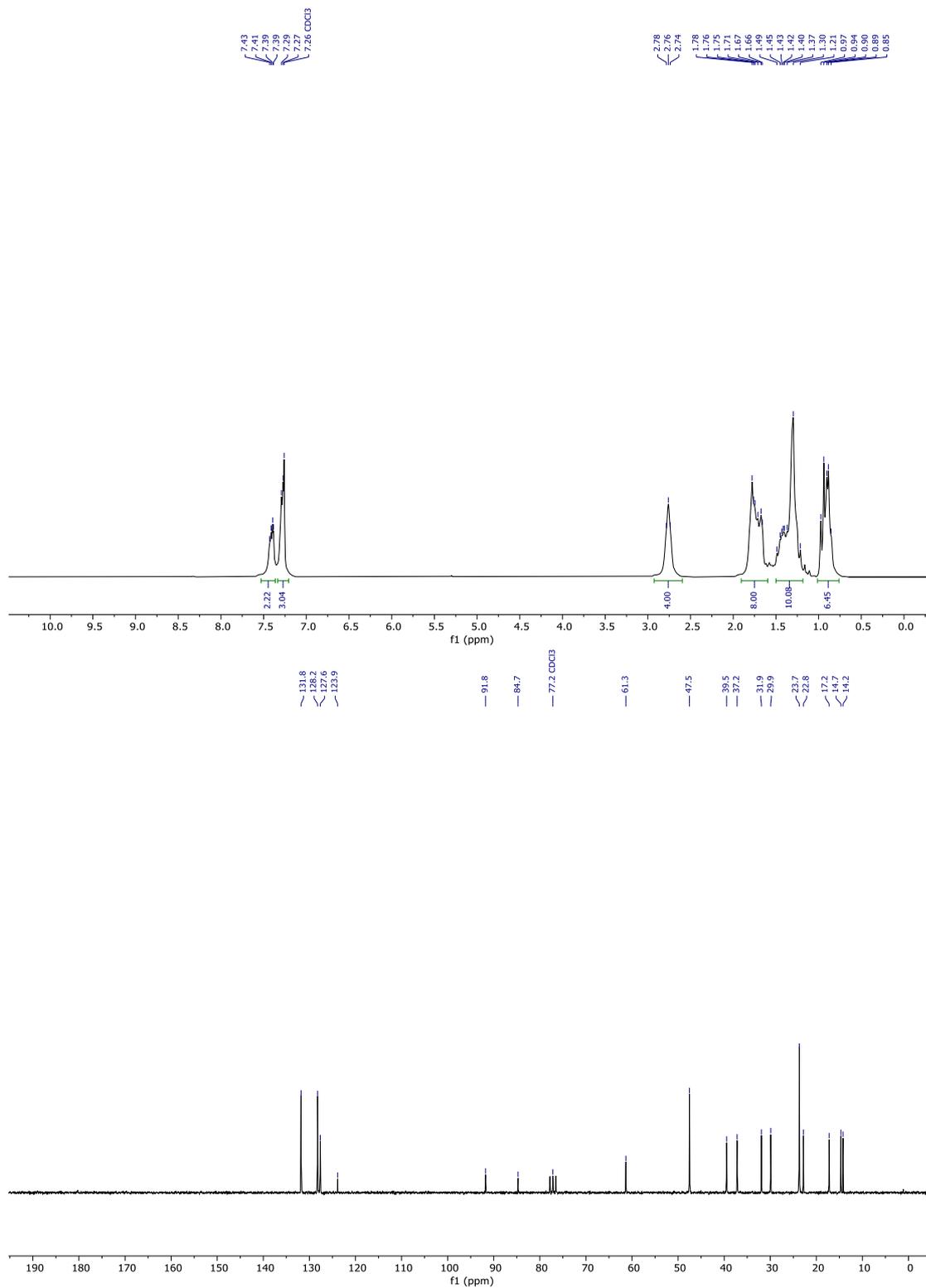


Figure S17: <sup>1</sup>H (400 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4r**.

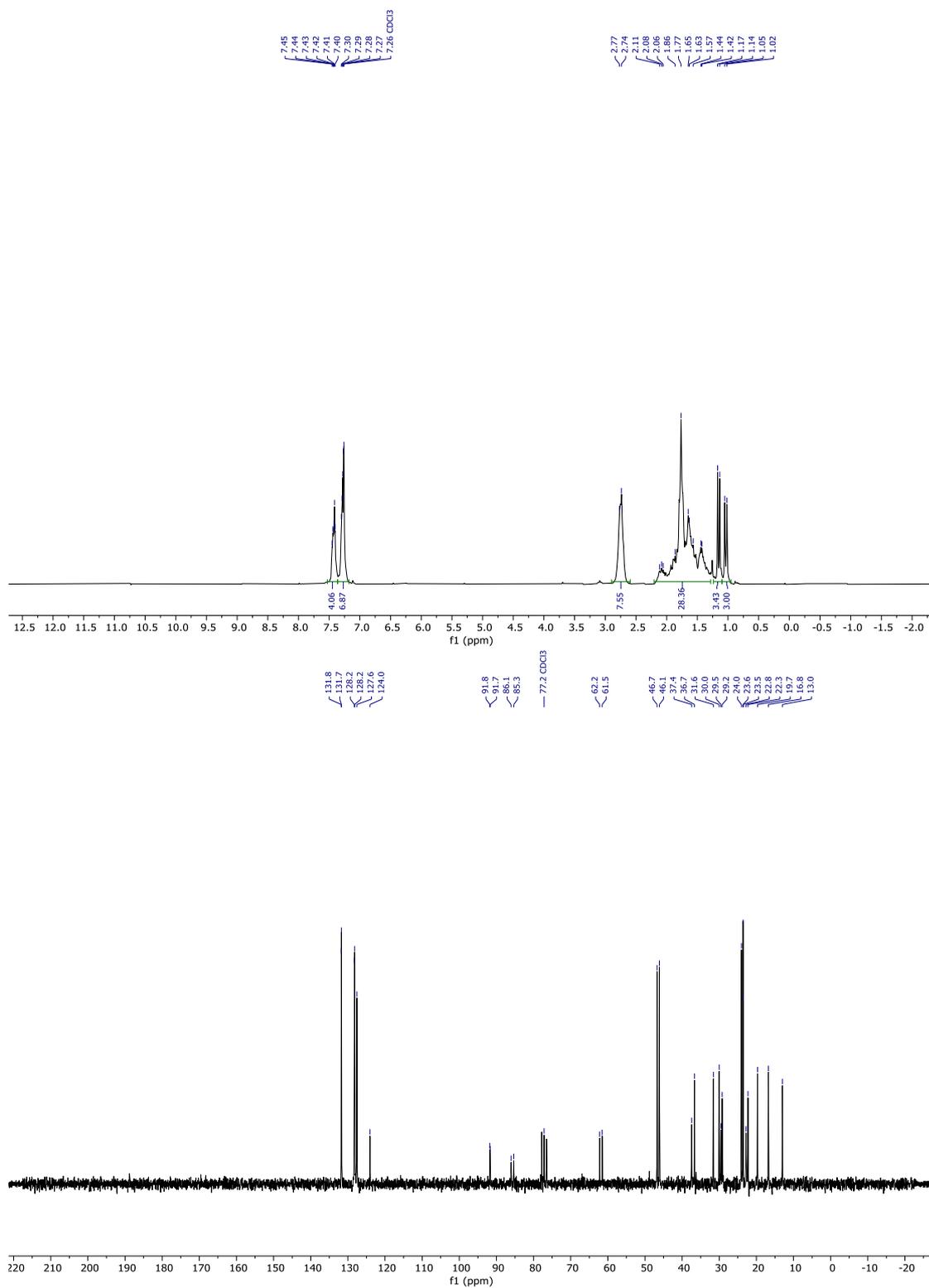


Figure S18: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4s.

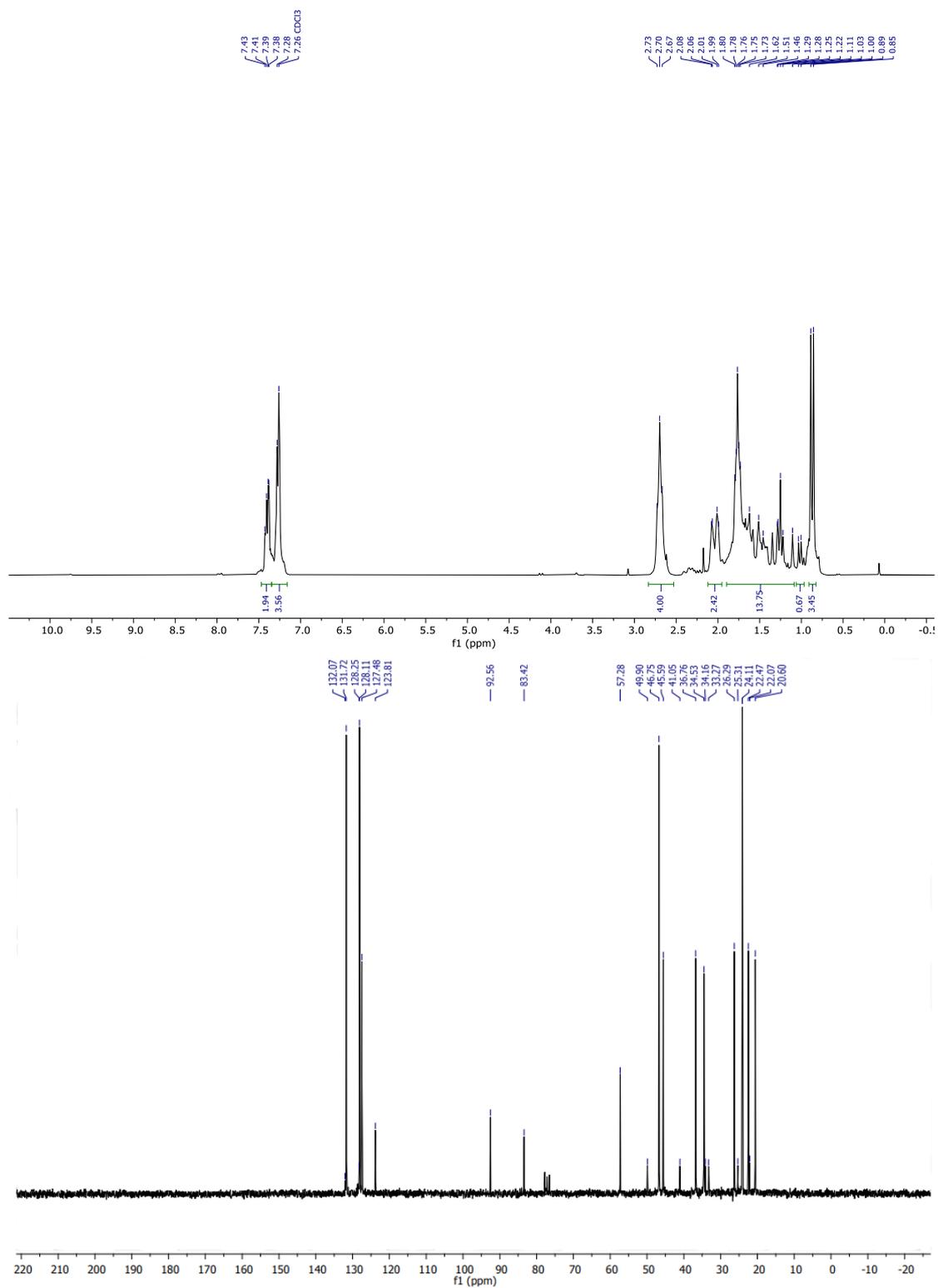


Figure S19: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4t**.

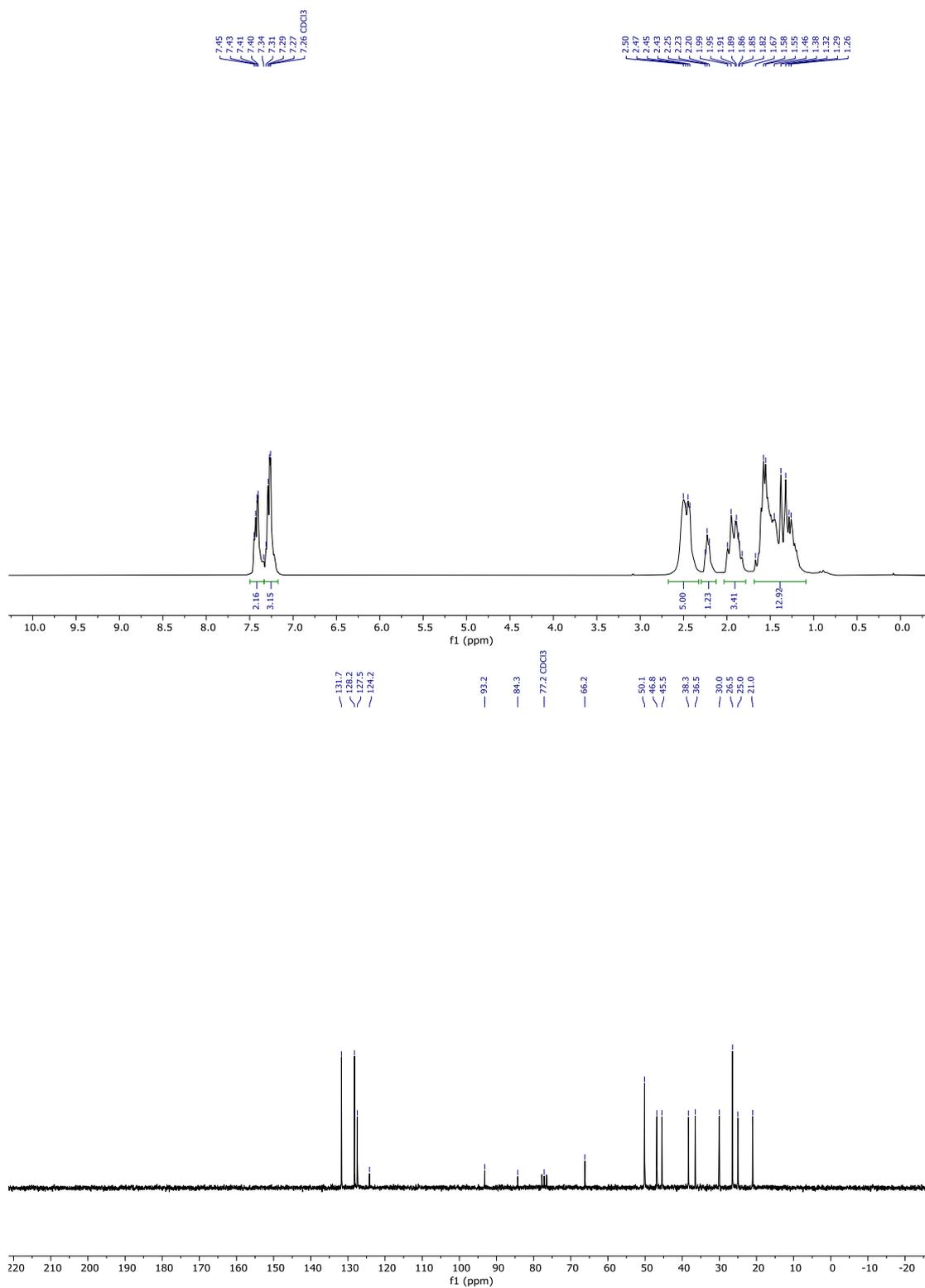
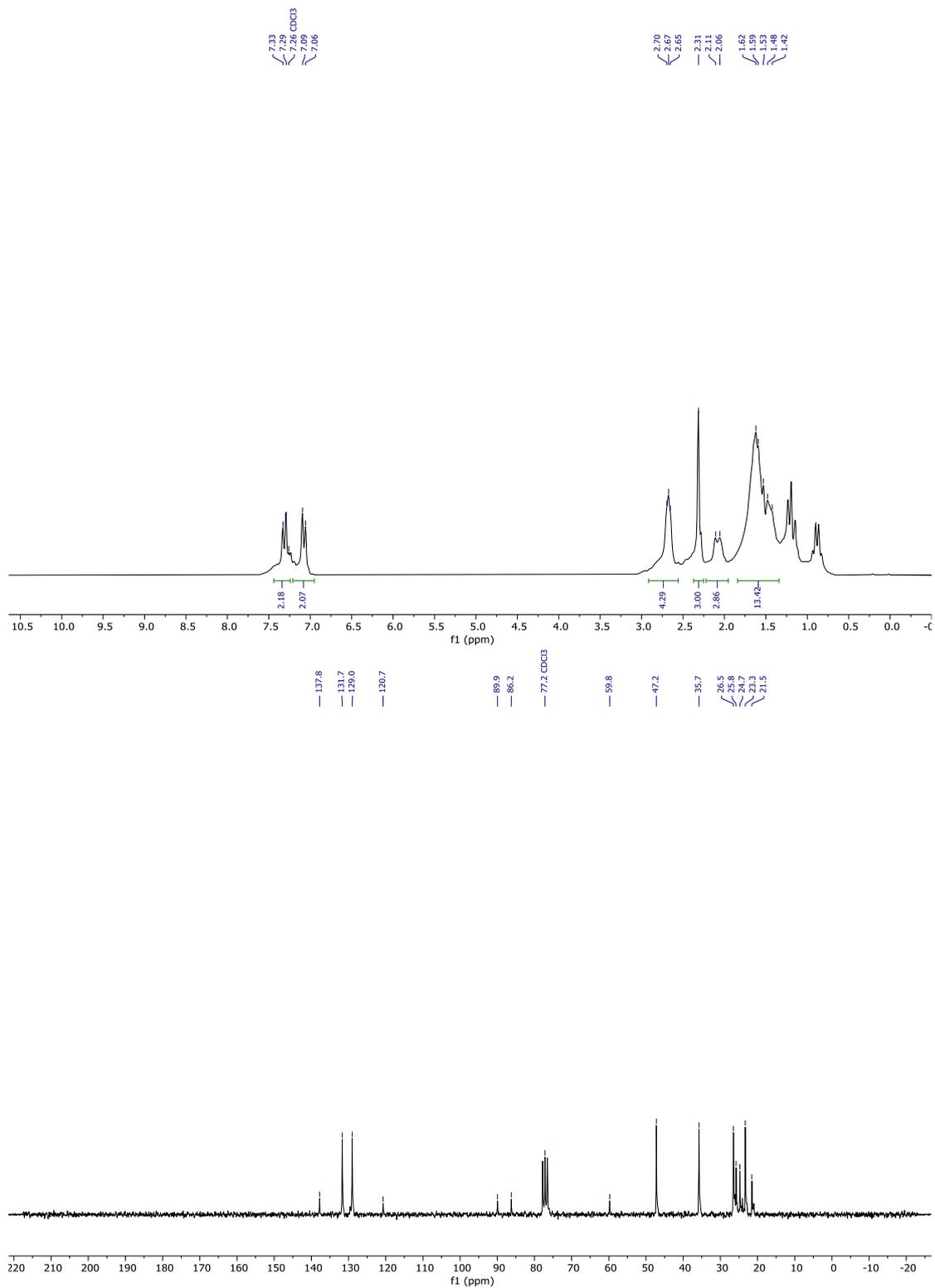


Figure S20: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4u**.



**Figure S21:** <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4v**.

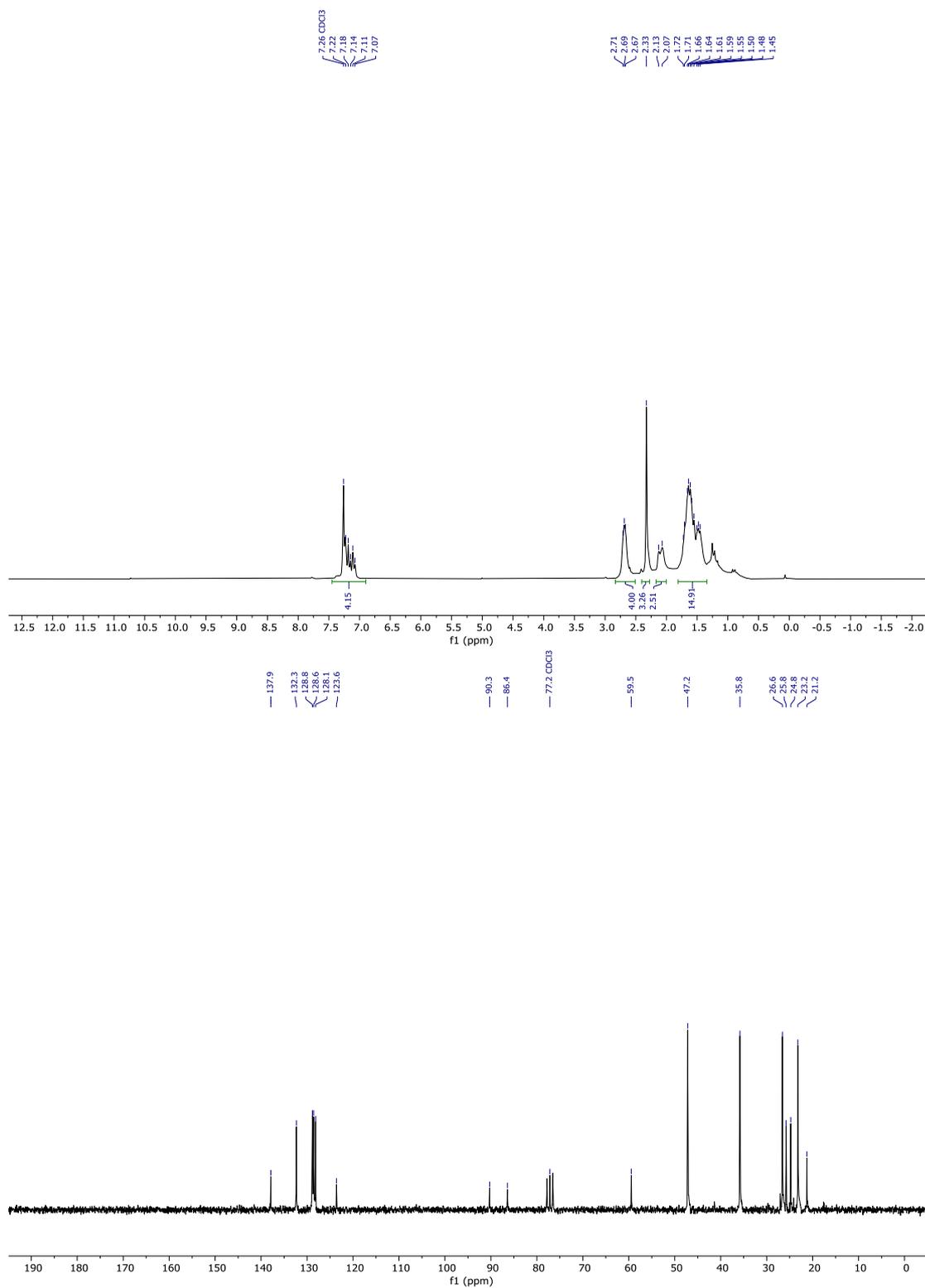


Figure S22: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4w**.

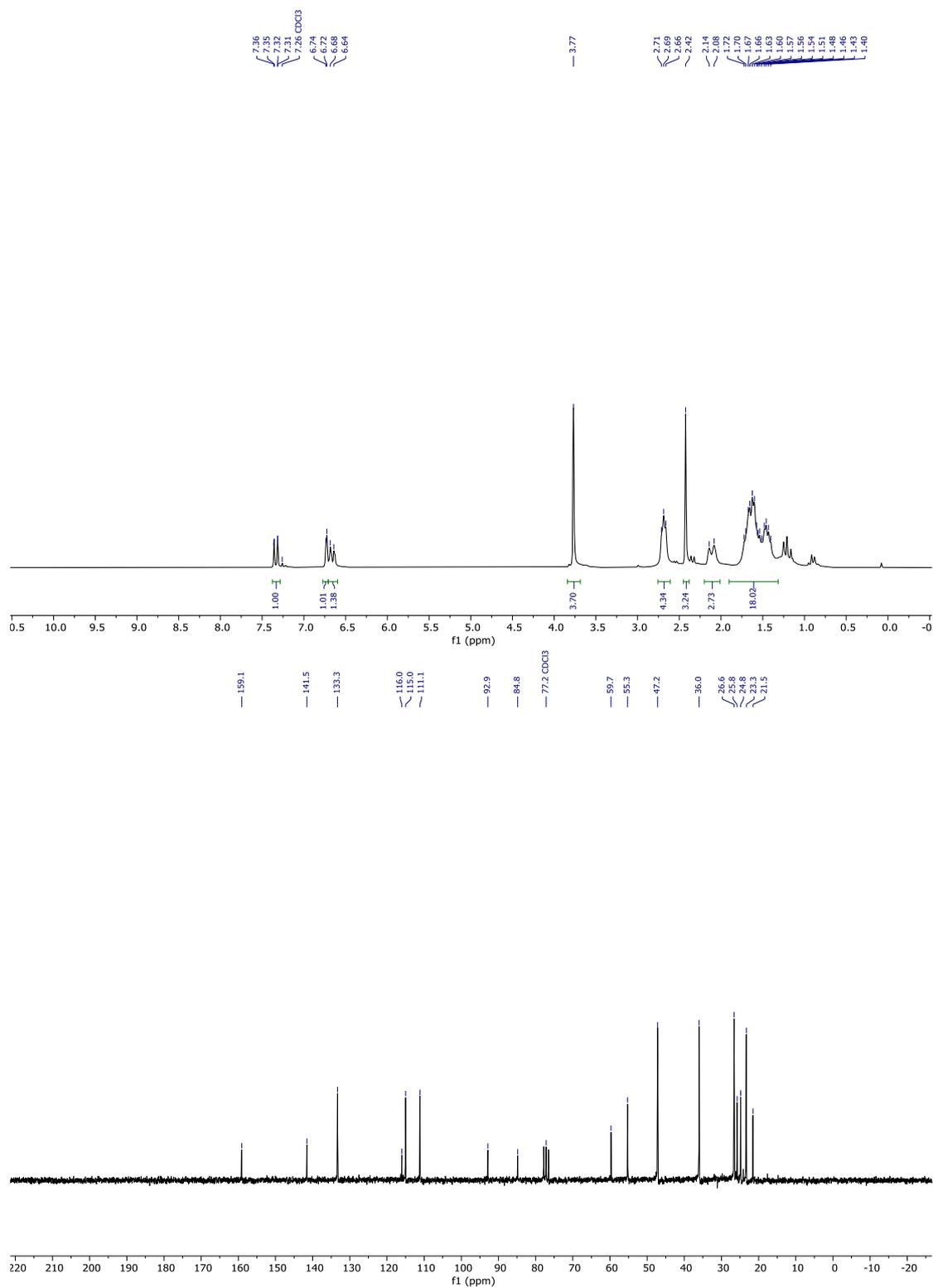


Figure S23: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4x**.

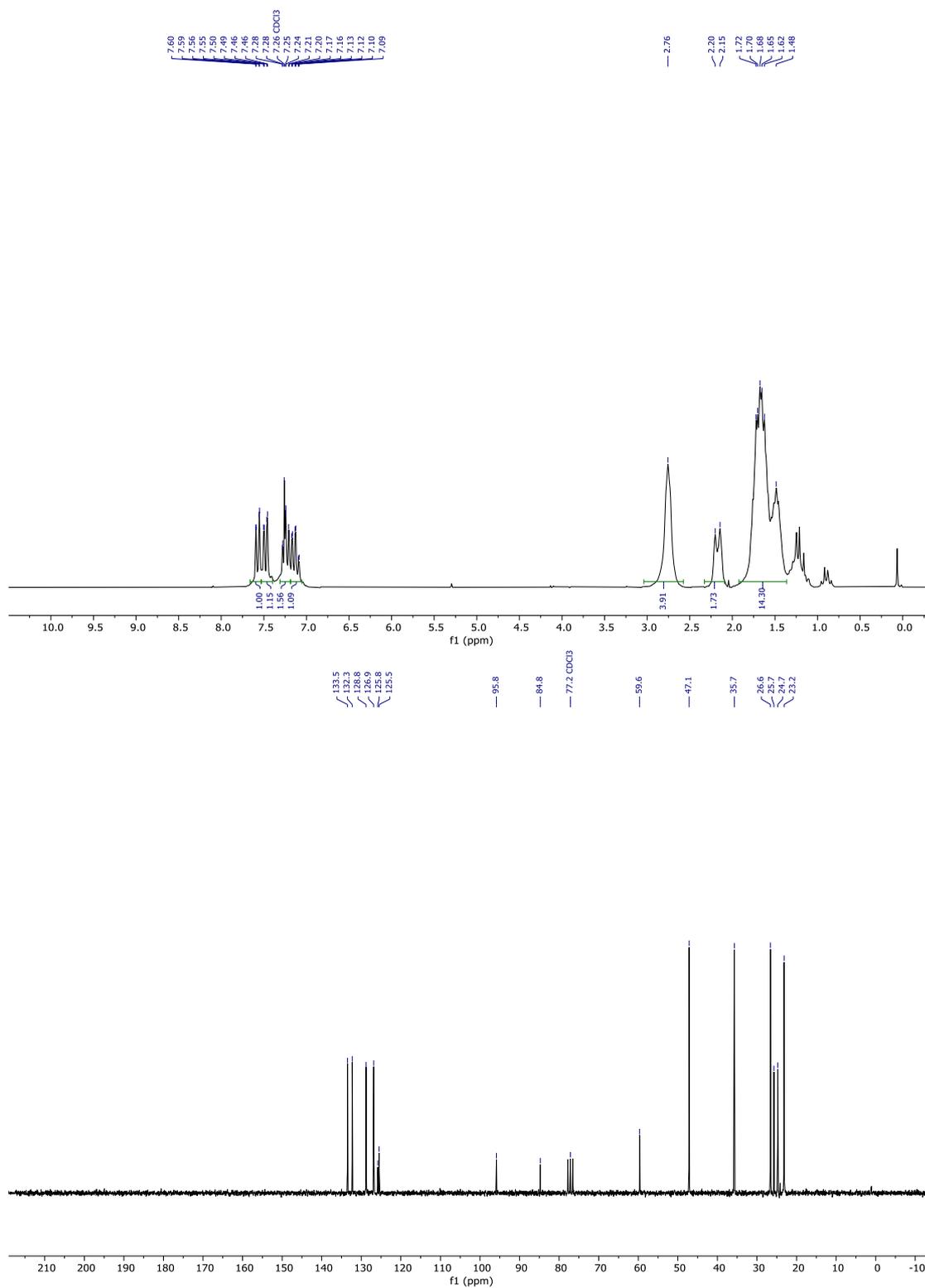


Figure S24: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4y**.

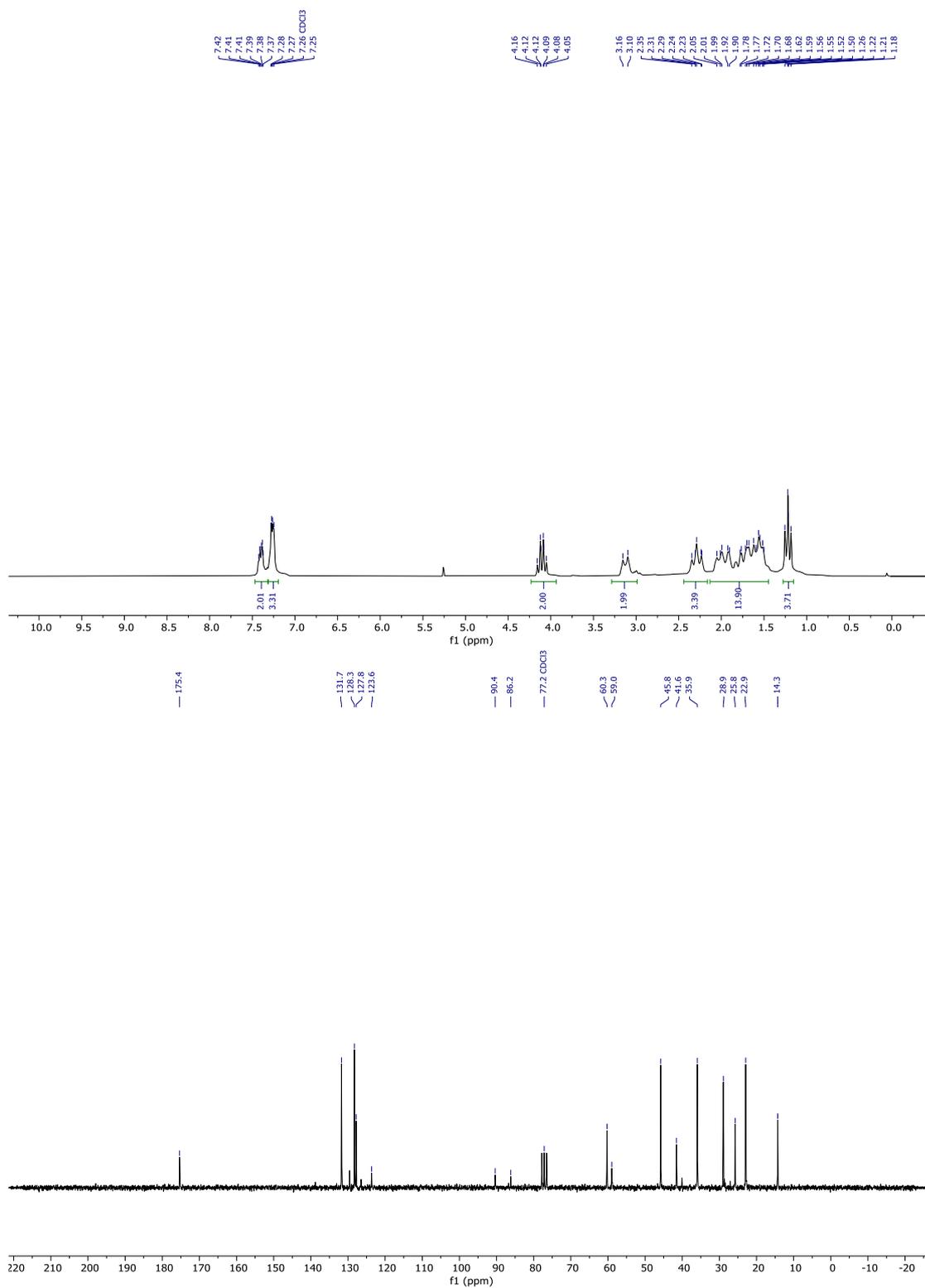


Figure S25: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4z**.

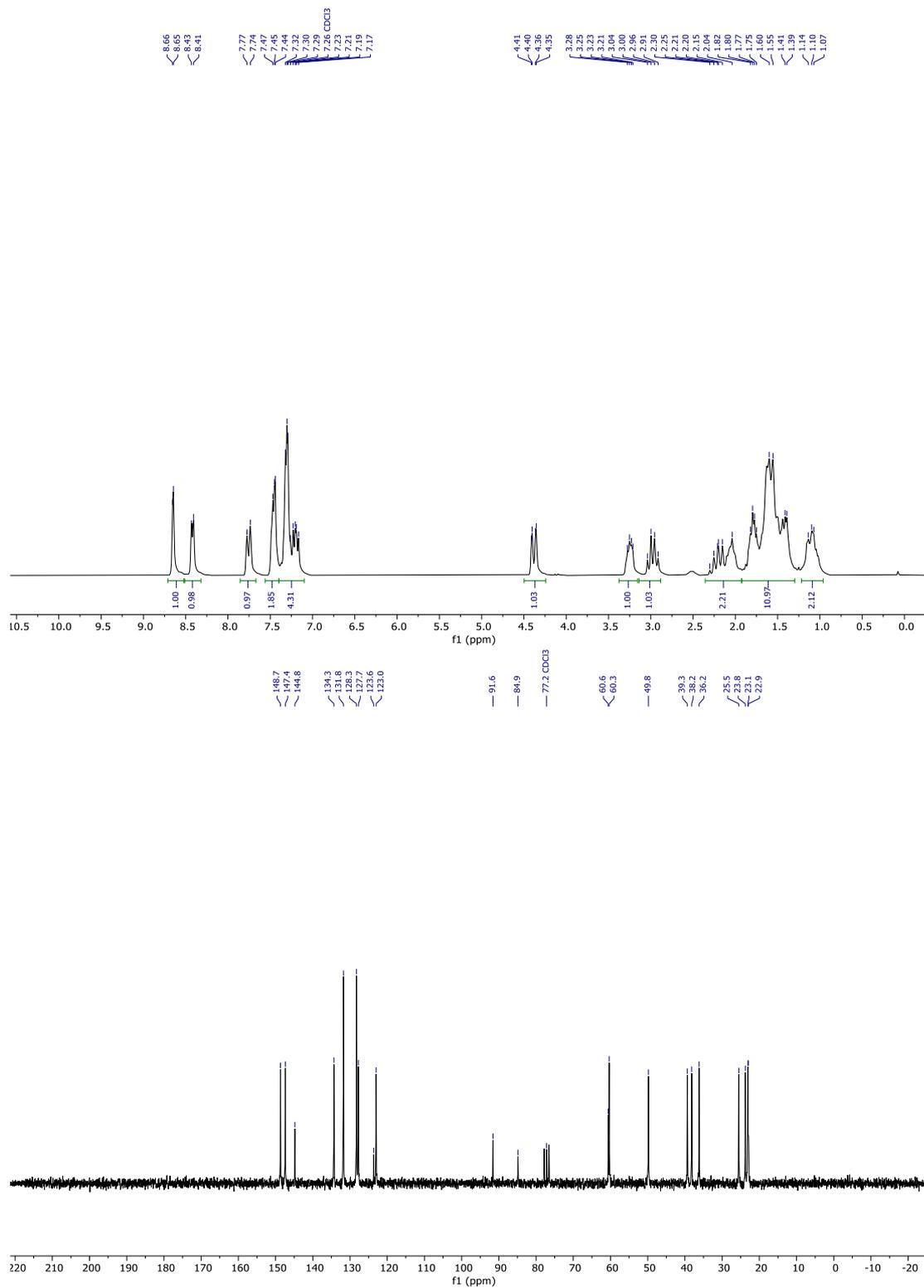


Figure S26: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4aa.

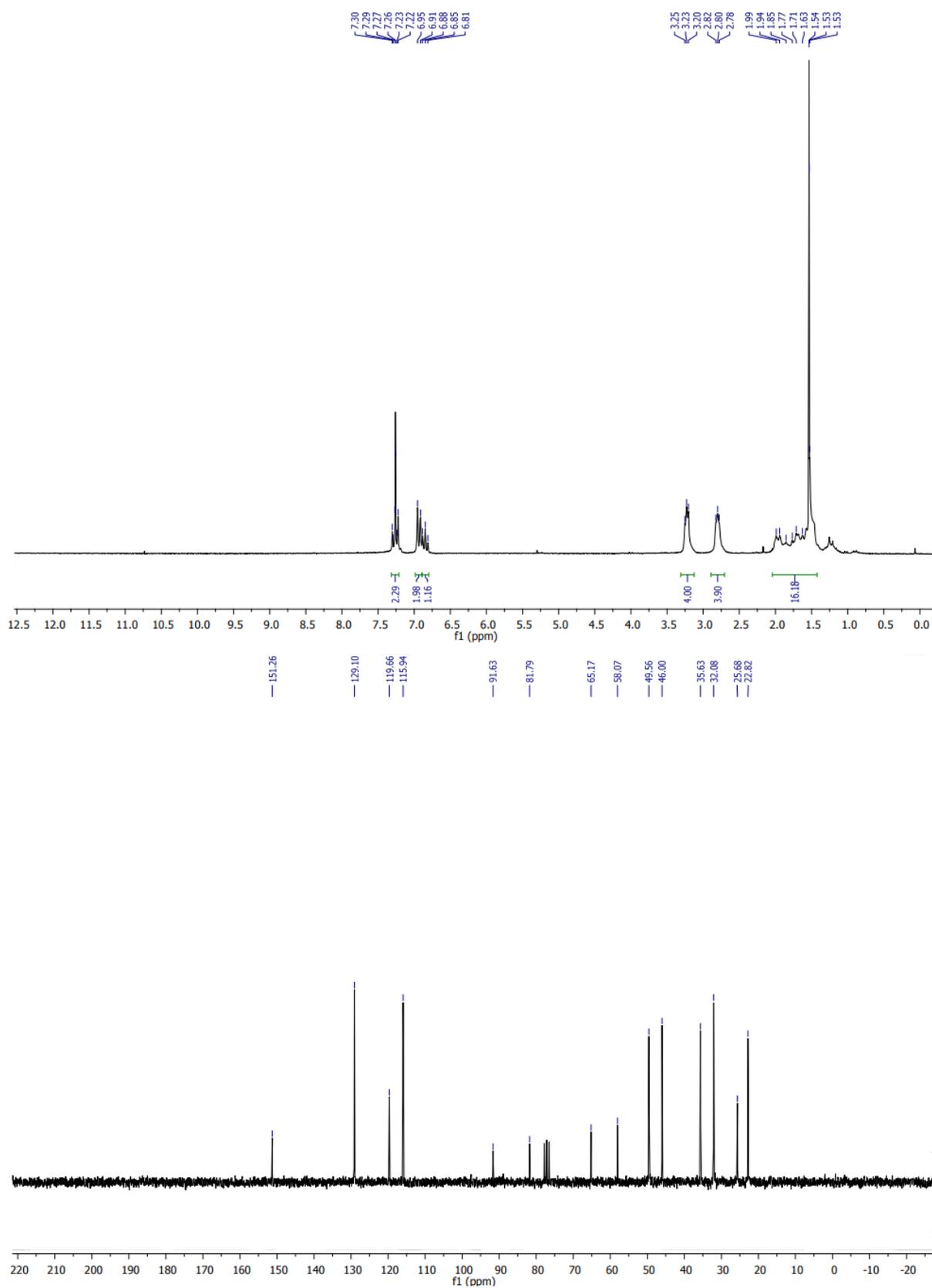


Figure S27:  $^1\text{H}$  (200 MHz) and  $^{13}\text{C}$  (50 MHz) in  $\text{CDCl}_3$  for **4ab**.

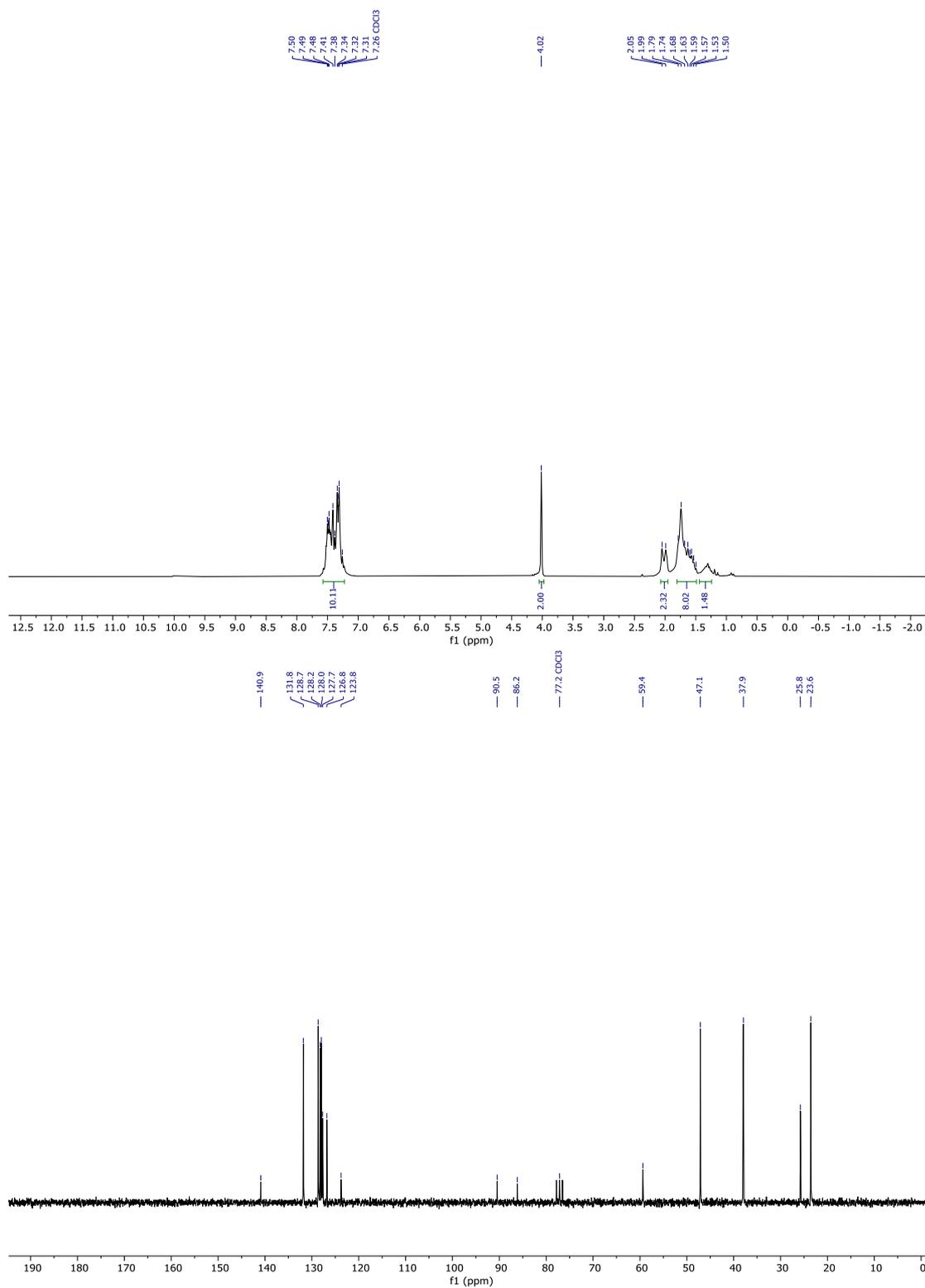
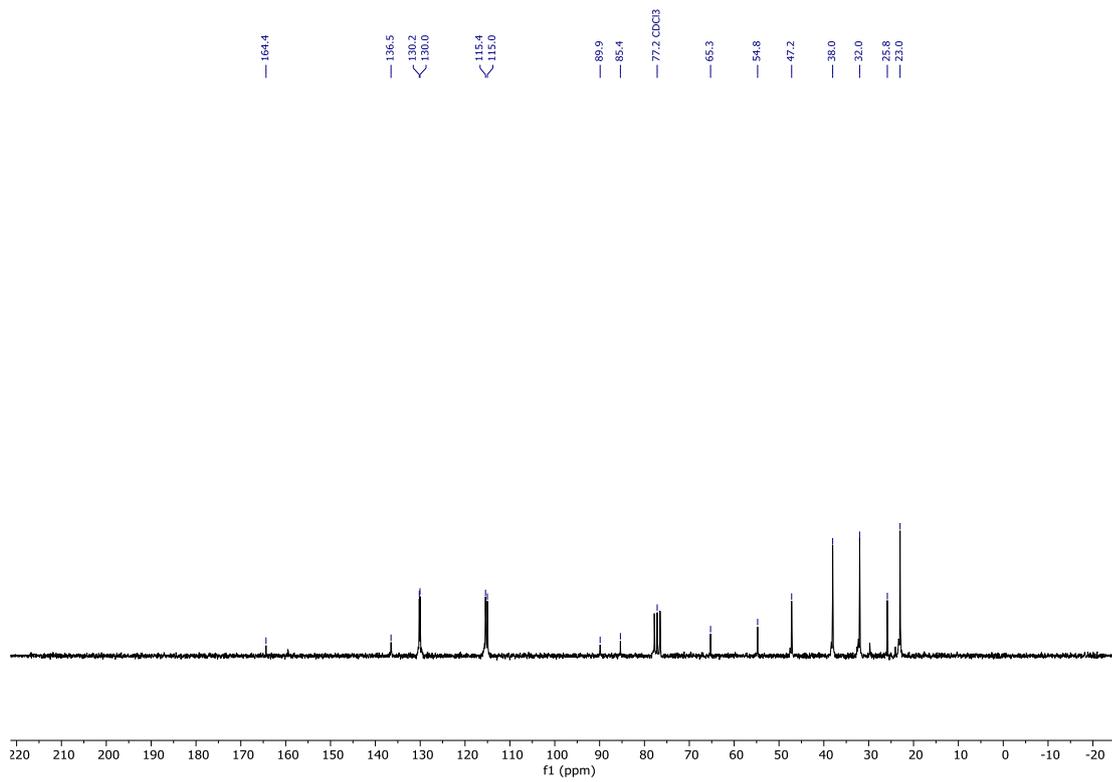
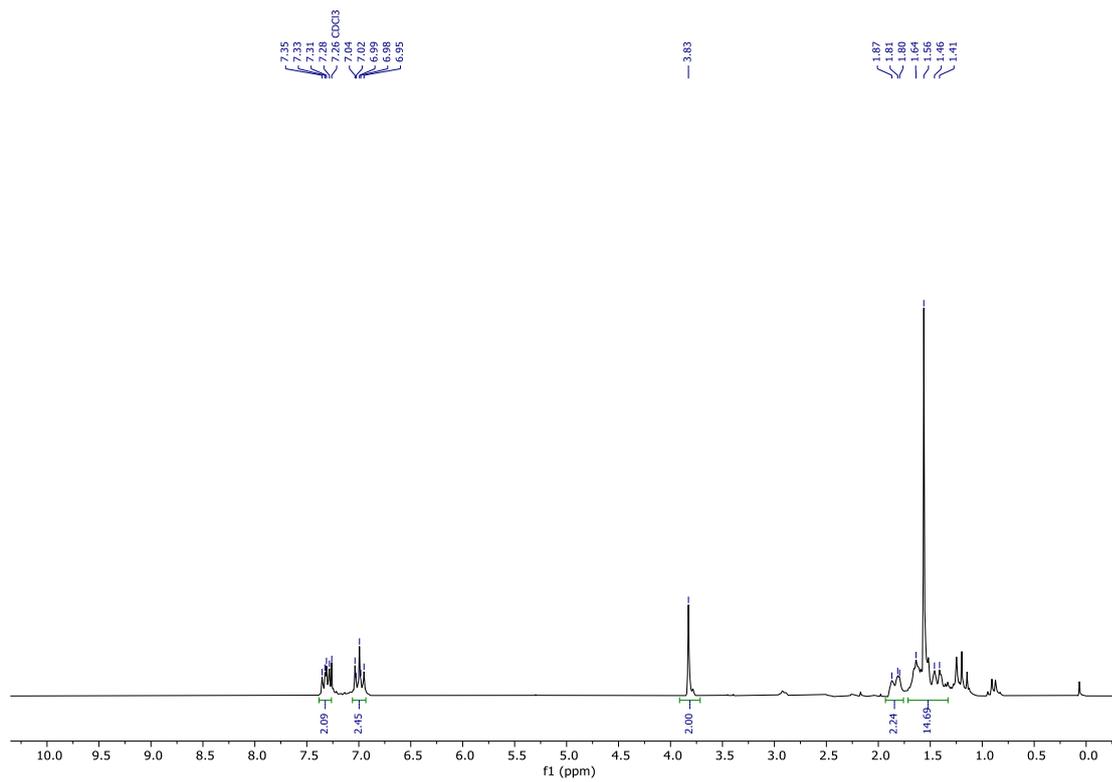
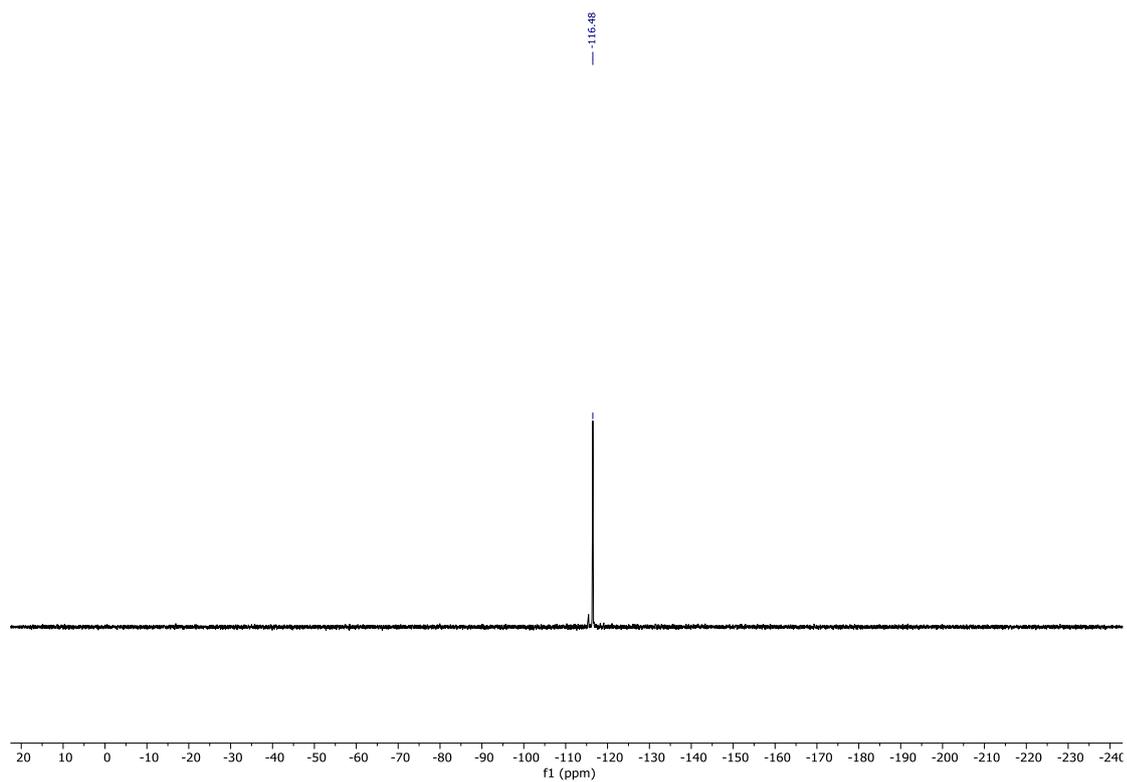


Figure S28: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for 4ac.





**Figure S29:**  $^1\text{H}$  (200 MHz),  $^{13}\text{C}$  (50 MHz) and  $^{19}\text{F}$  (188 MHz) in  $\text{CDCl}_3$  for **4ad**.

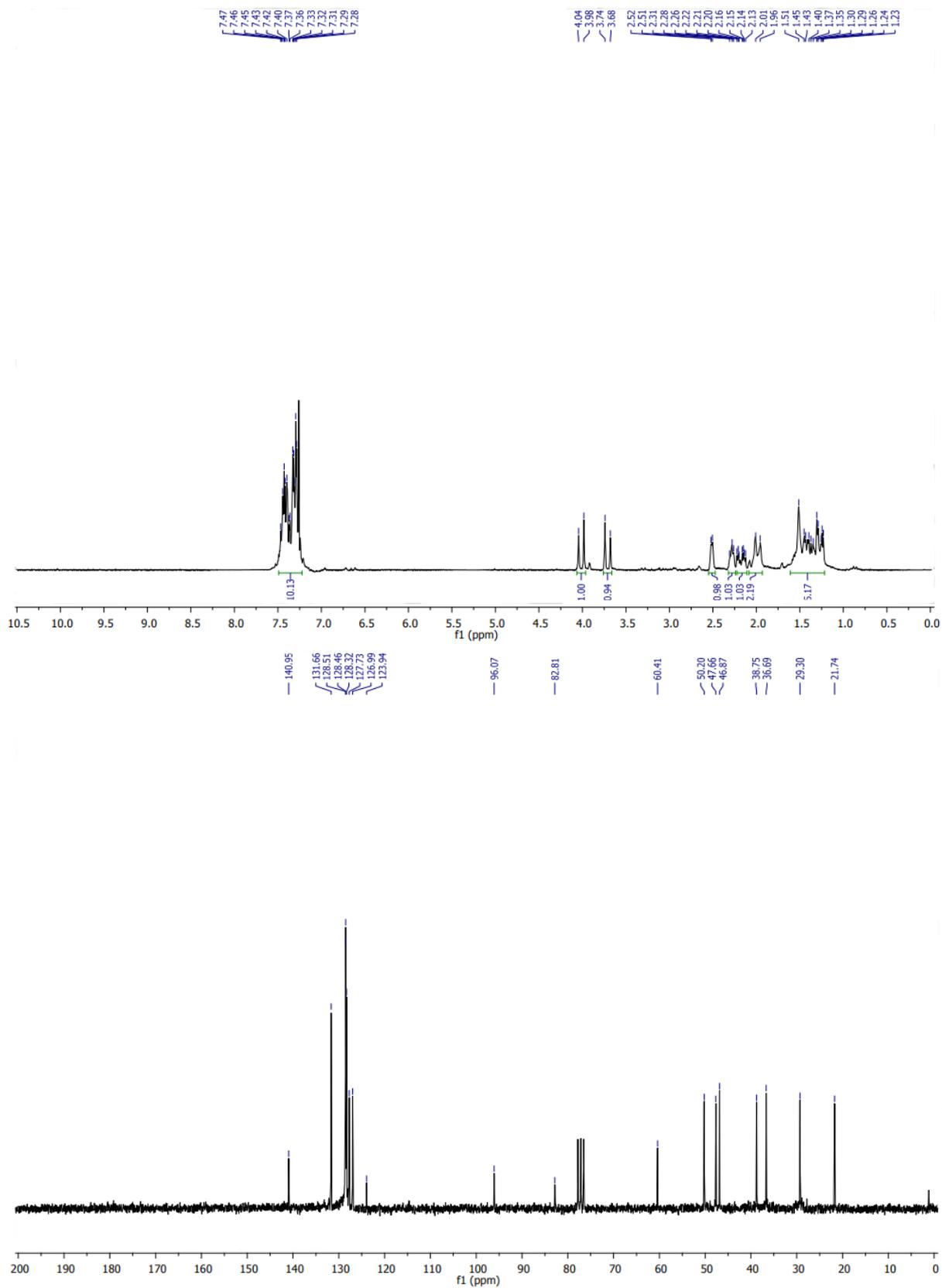


Figure S30: <sup>1</sup>H (200 MHz) and <sup>13</sup>C (50 MHz) in CDCl<sub>3</sub> for **4ae**.