Supplementary Materials

Structurally Rigid (8-(Arylimino)-5,6,7-trihydroquinolin-2-yl)-methyl Acetate Cobalt Complex Catalysts for Isoprene Polymerization with High Activity and *cis*-1,4 Selectivity

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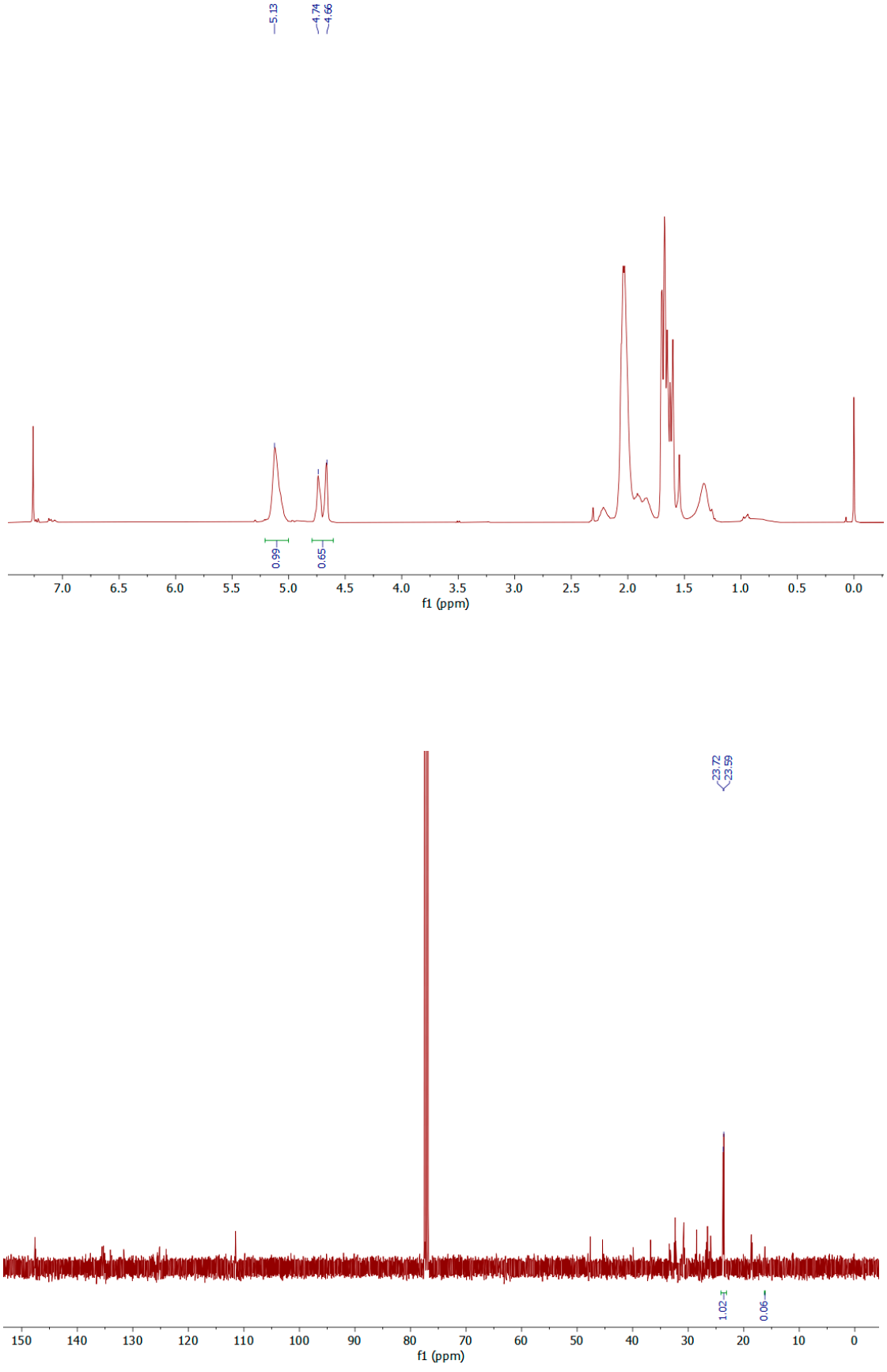

Figure S1. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 2, entry 3).

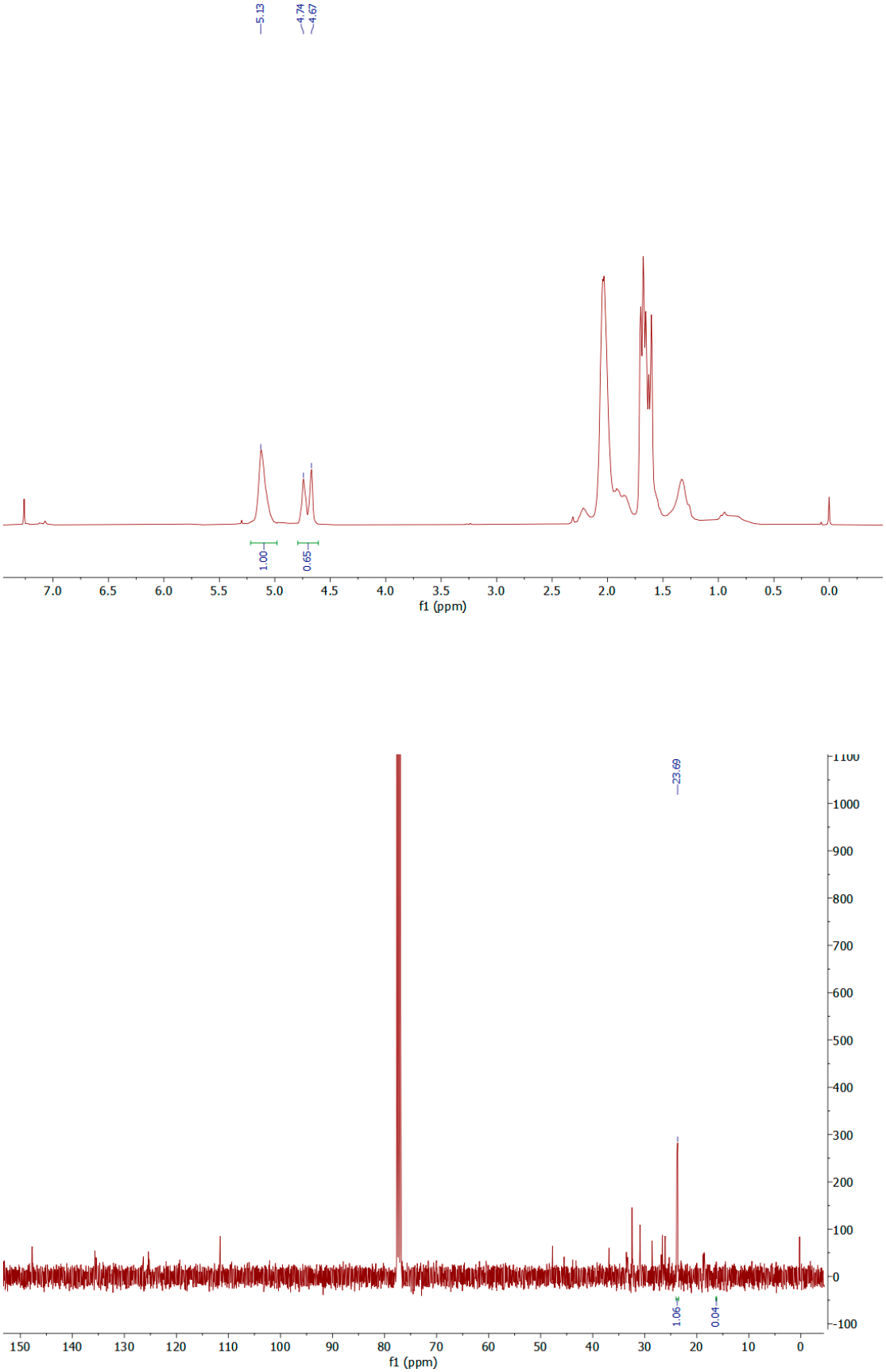

Figure S2. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 2, entry 4).

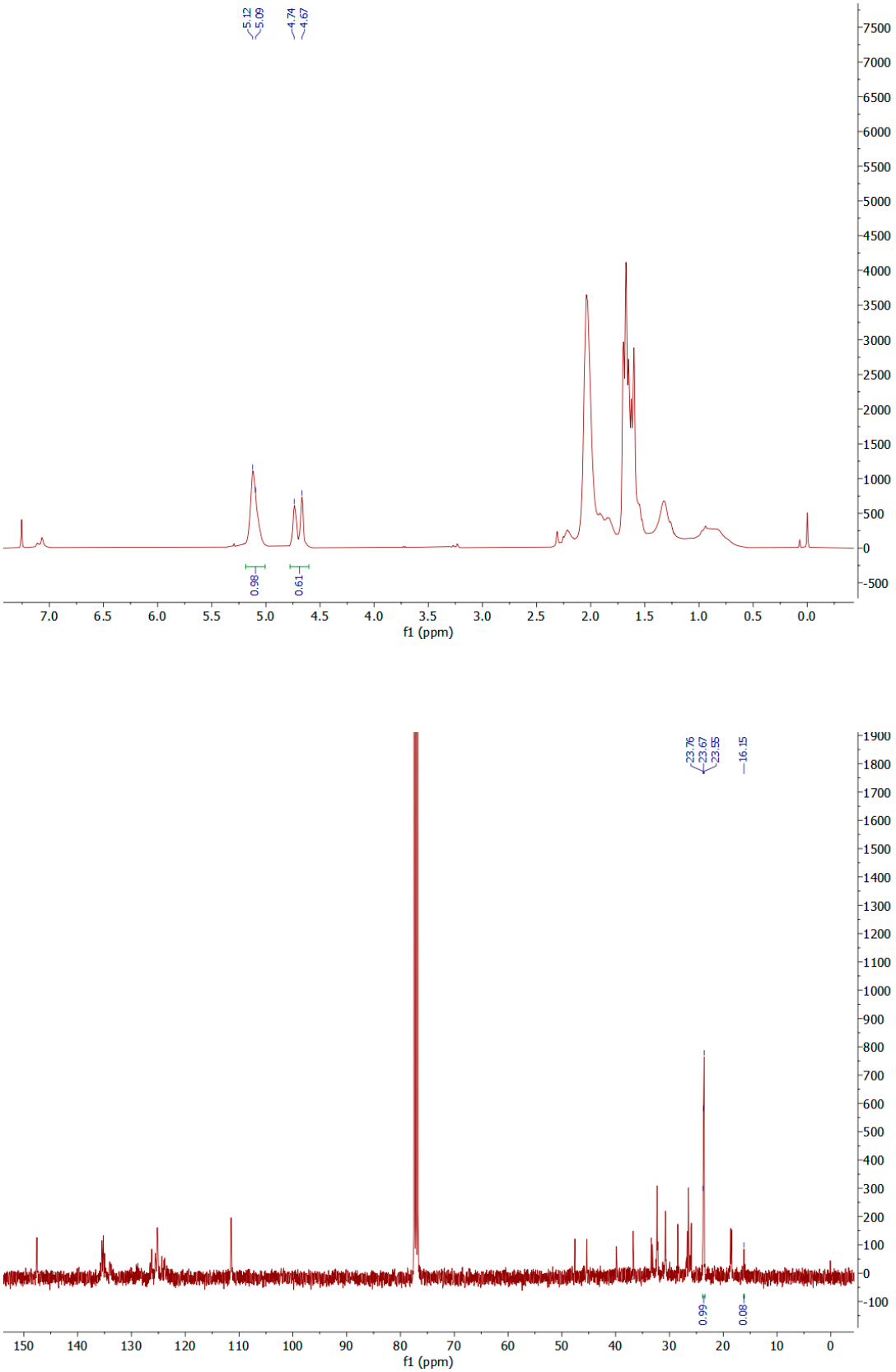

Figure S3. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 2, entry 5).

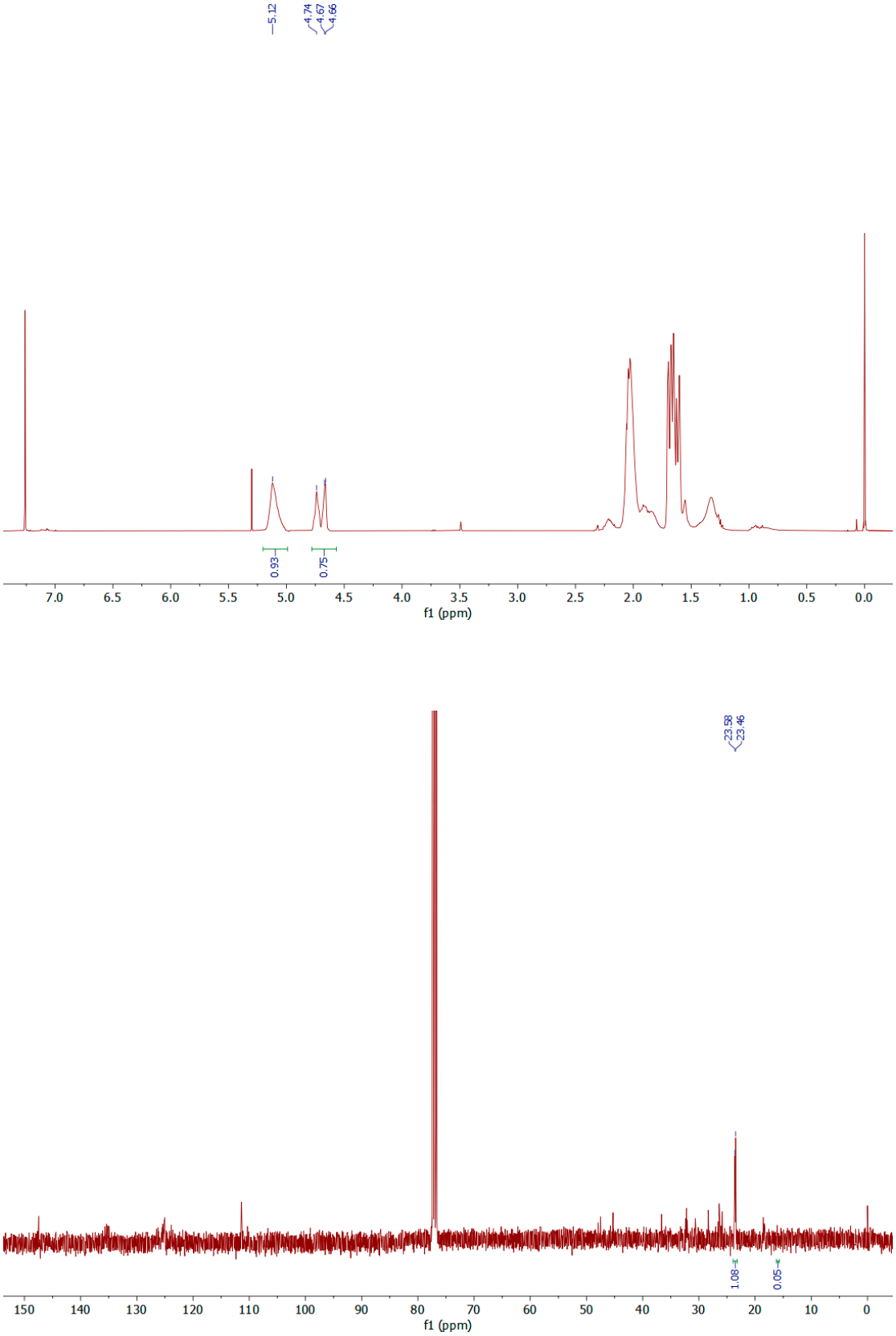

Figure S4. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 2, entry 6).

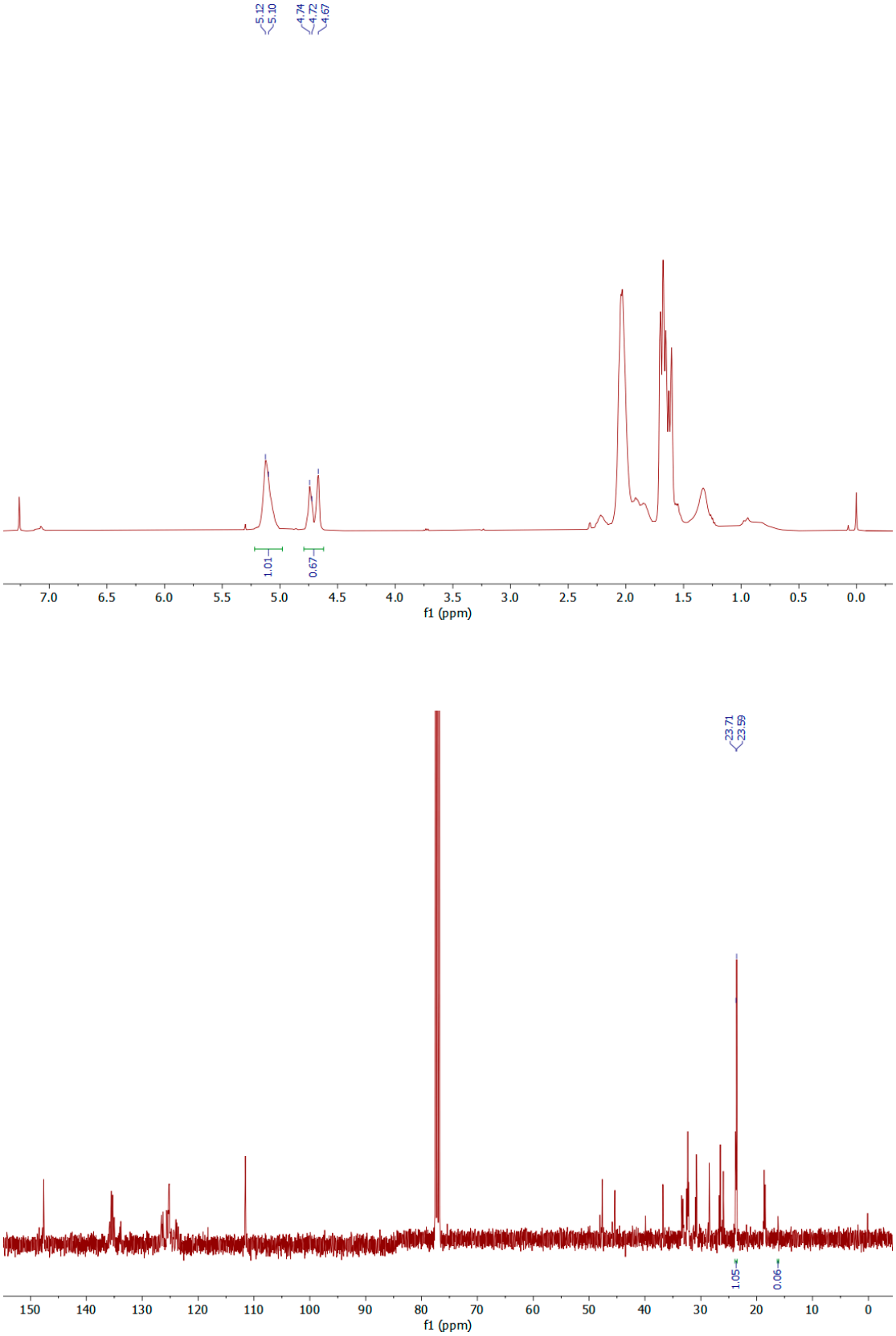

Figure S5. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 2).

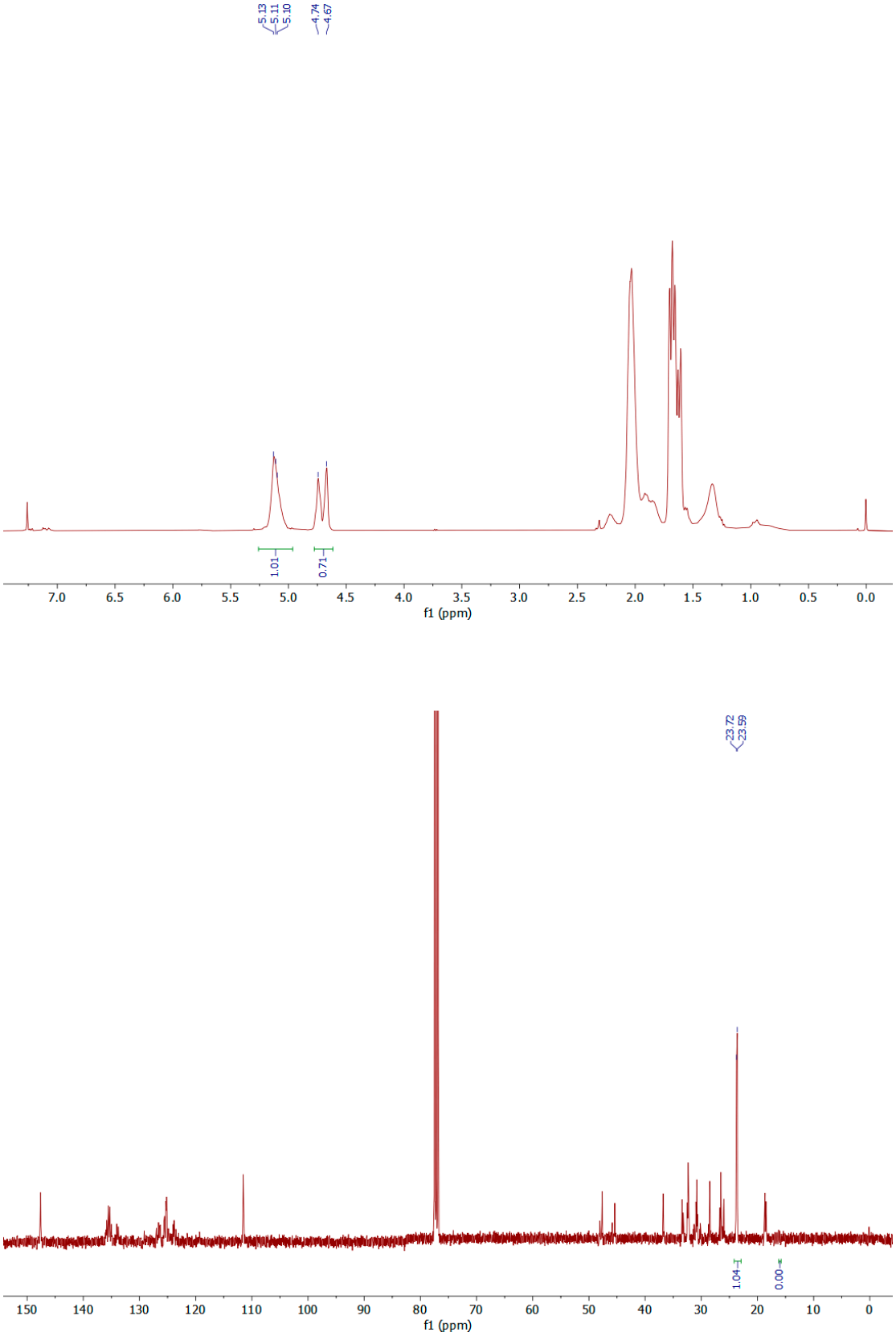

Figure S6. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 3).

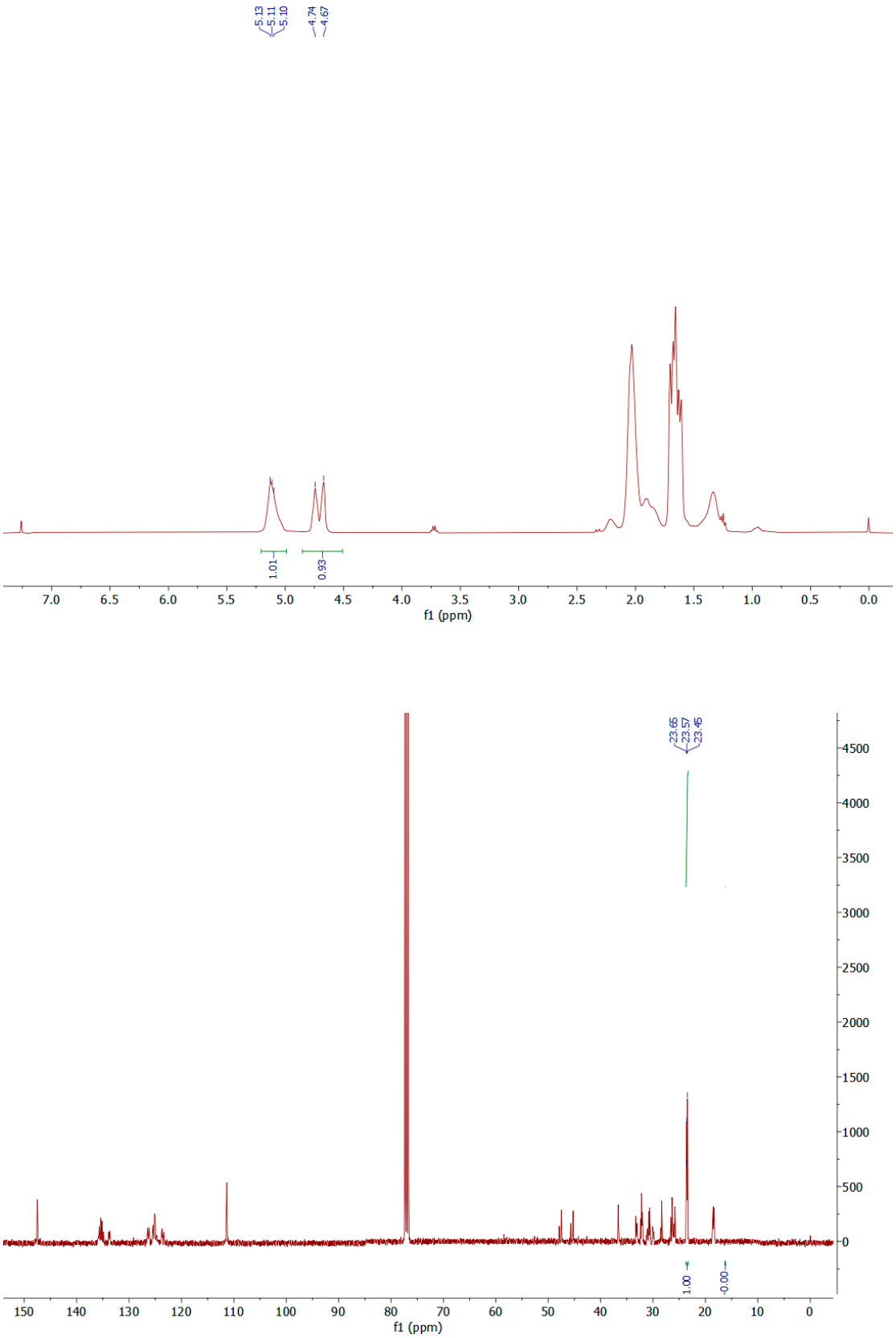

Figure S7. ^{1}H and ^{13}C NMR spectra of the polyisoprenes obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 5).

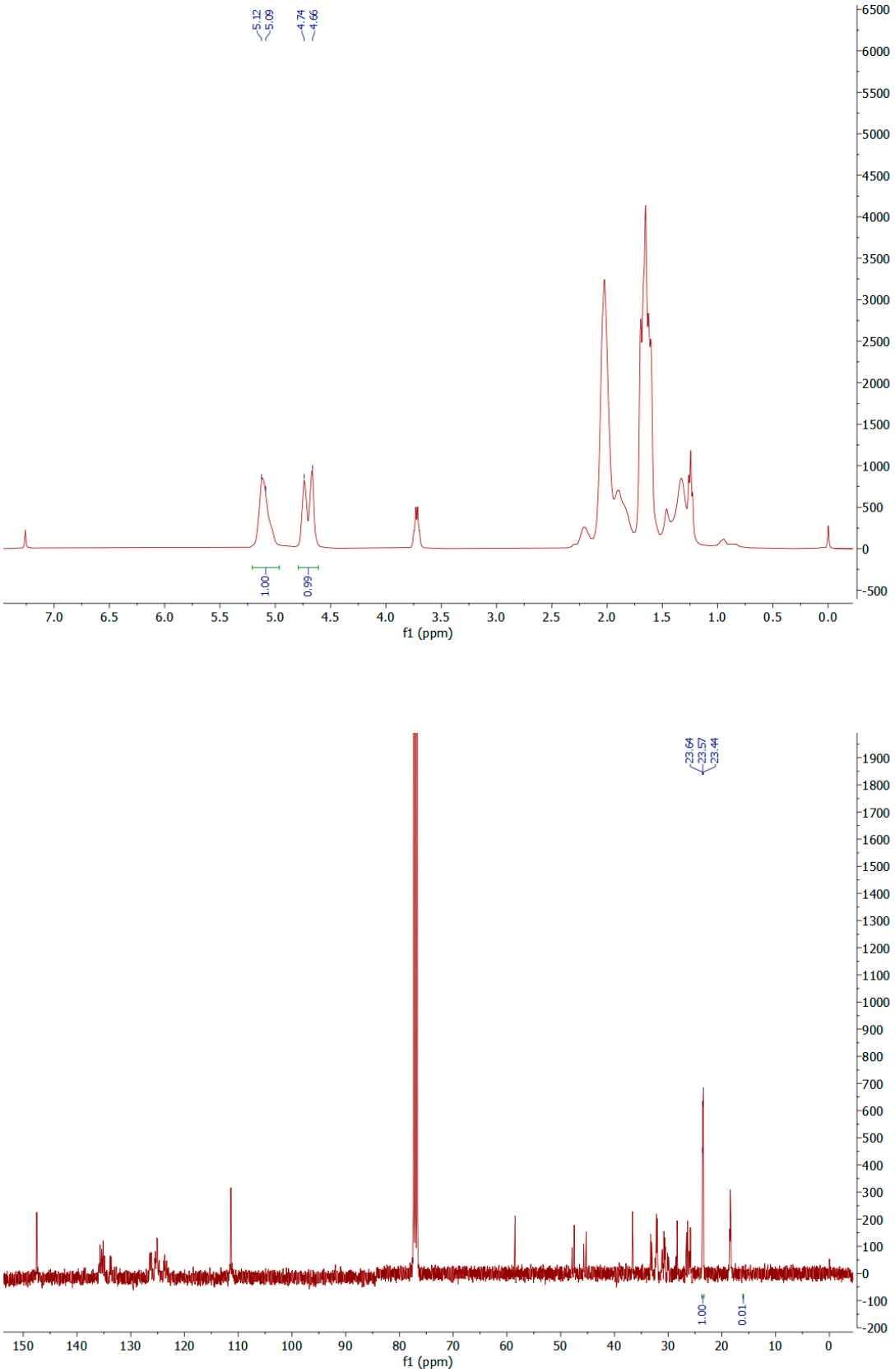

Figure S8. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 6).

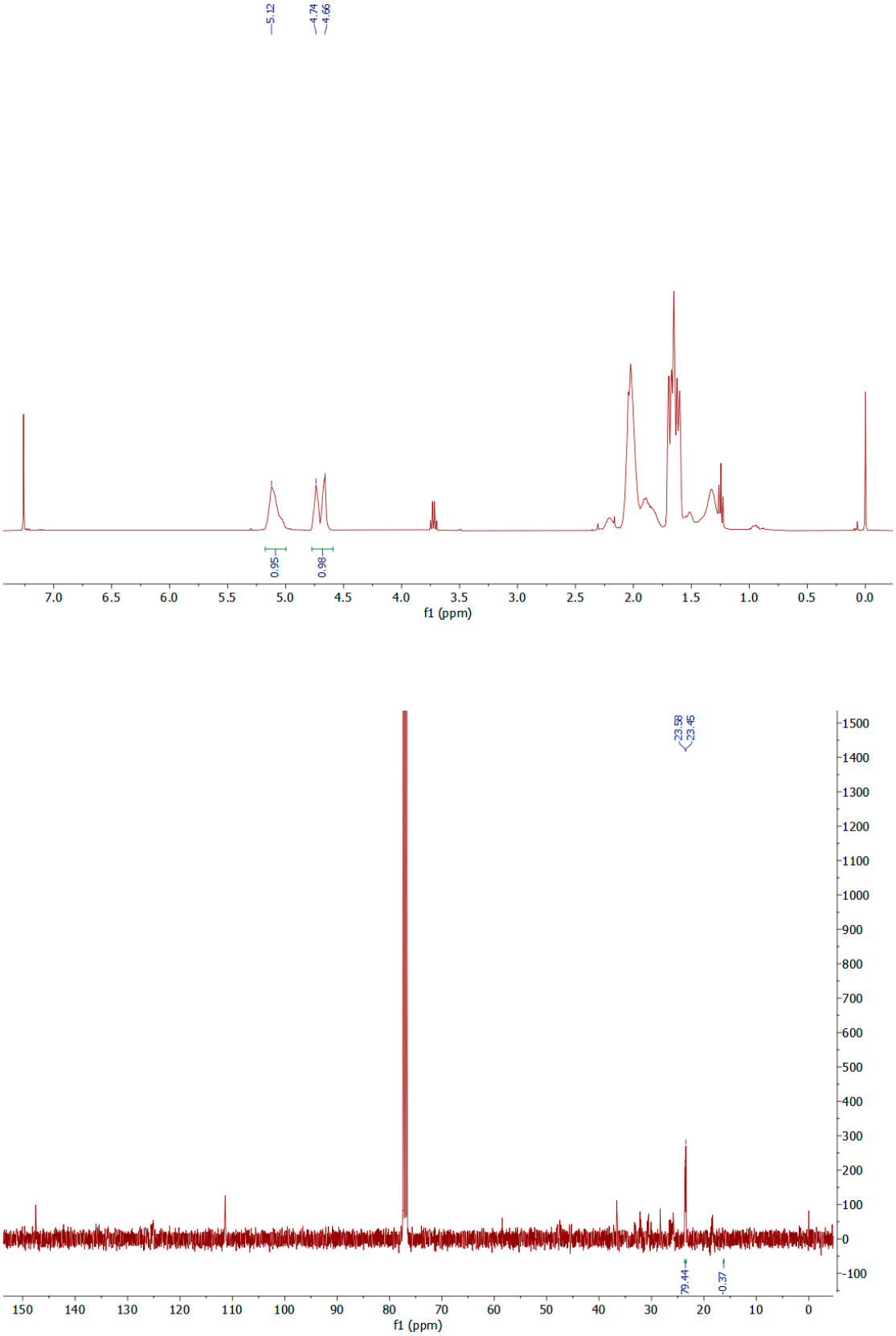

Figure S9. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 7).

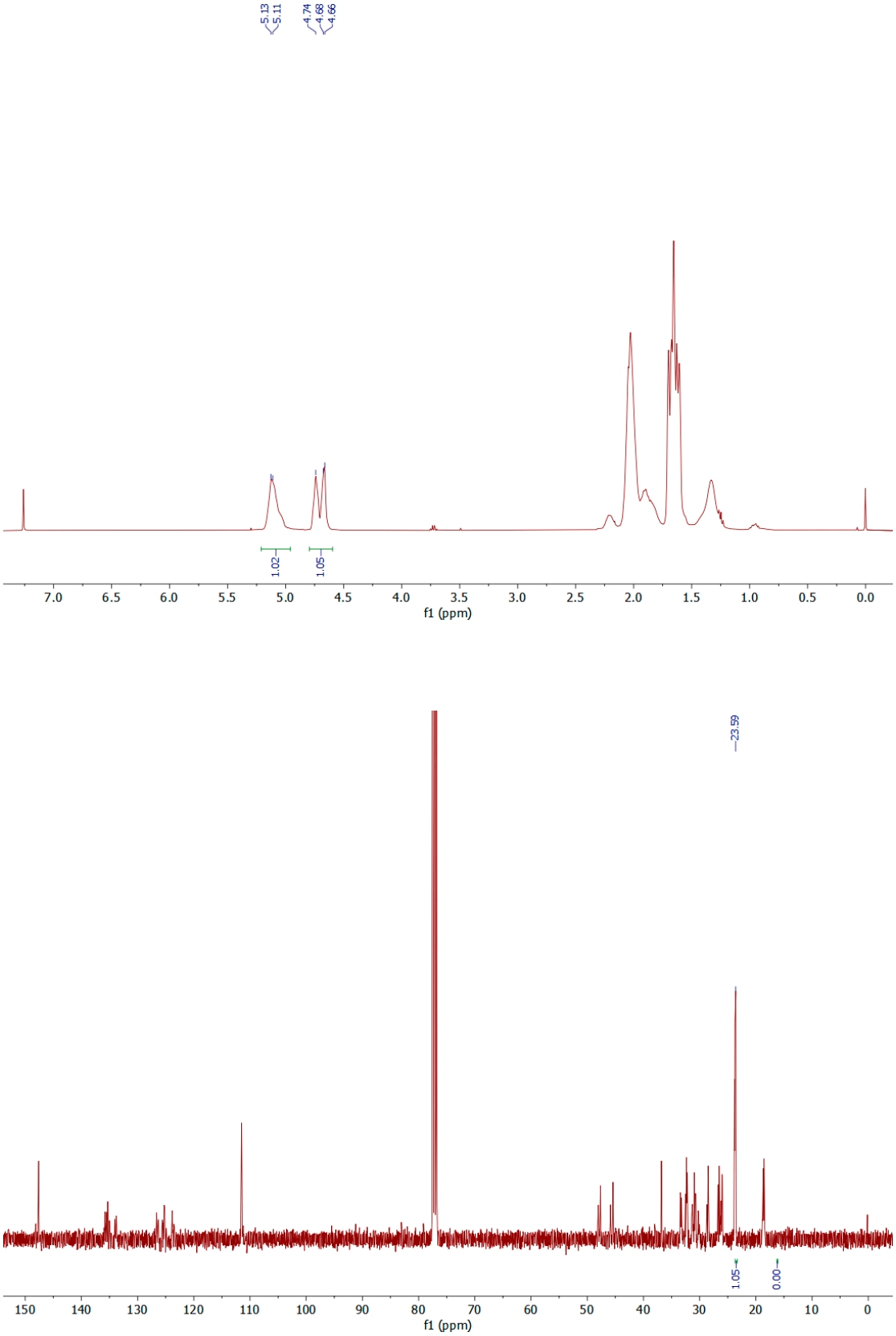

Figure S10. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 8).

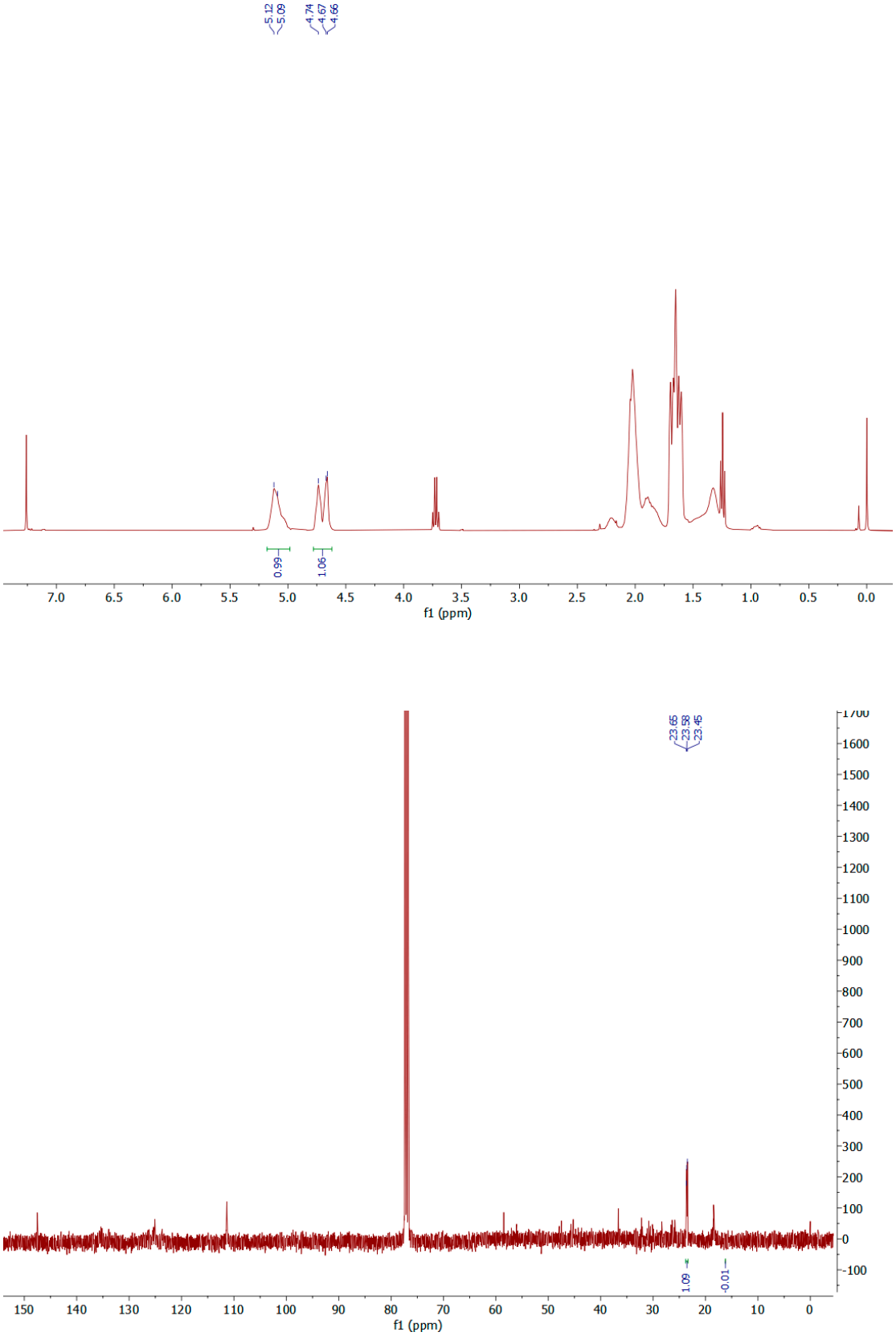

Figure S11. ^{1}H and ^{13}C NMR spectra of the polyisoprenes obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 9).

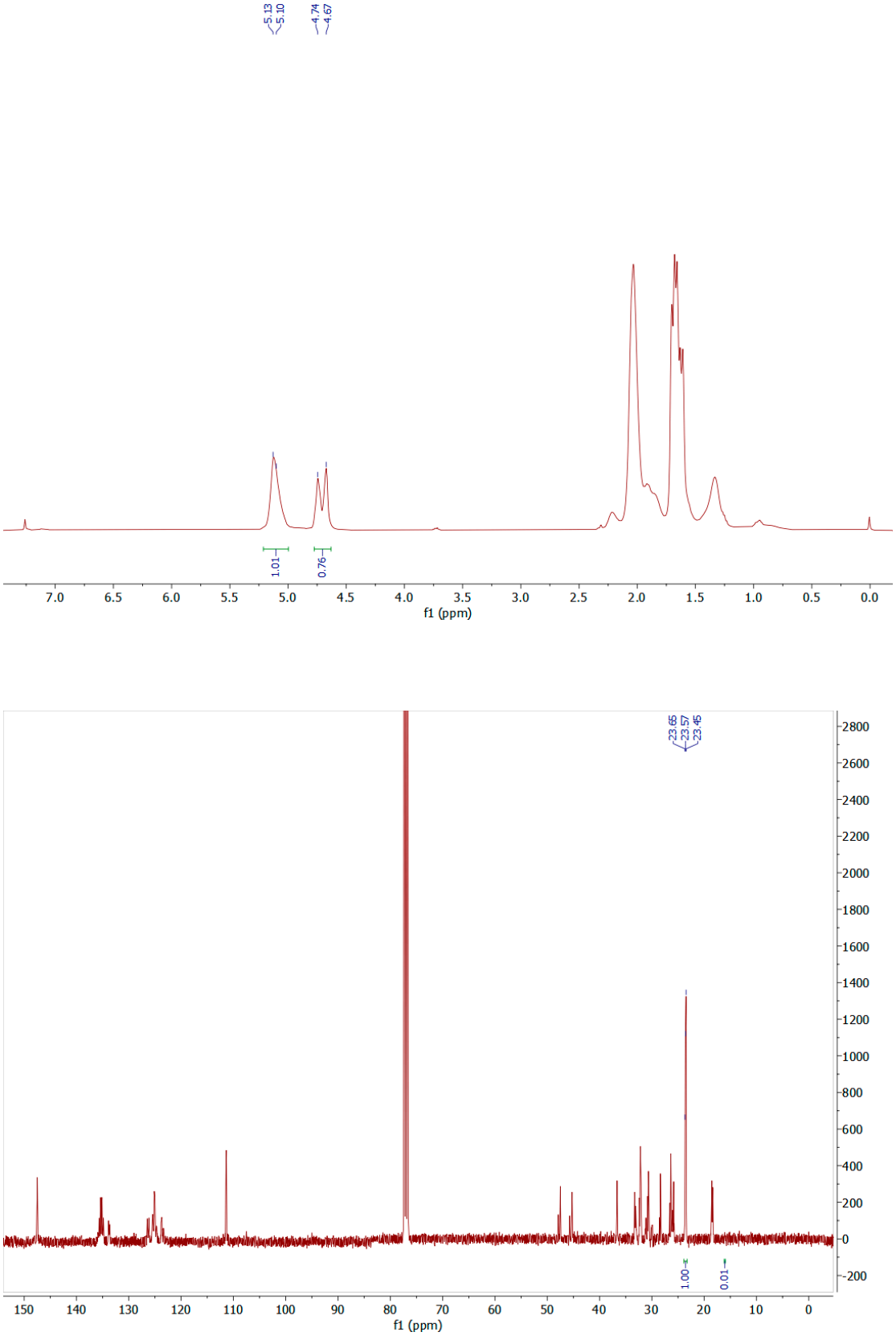

Figure S12. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 10).

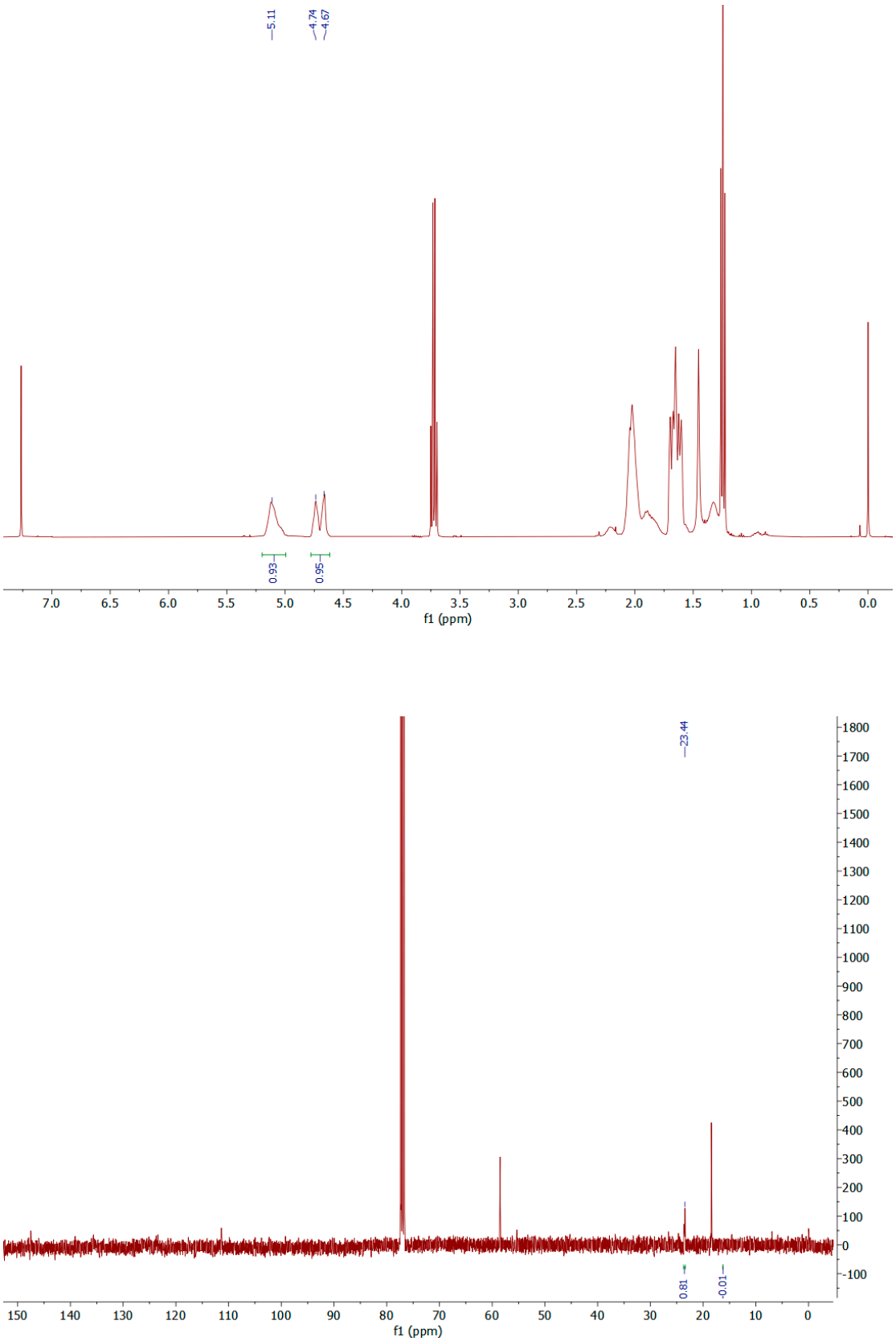

Figure S13. ^{1}H and ^{13}C NMR spectra of the polyisoprenes obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 11).

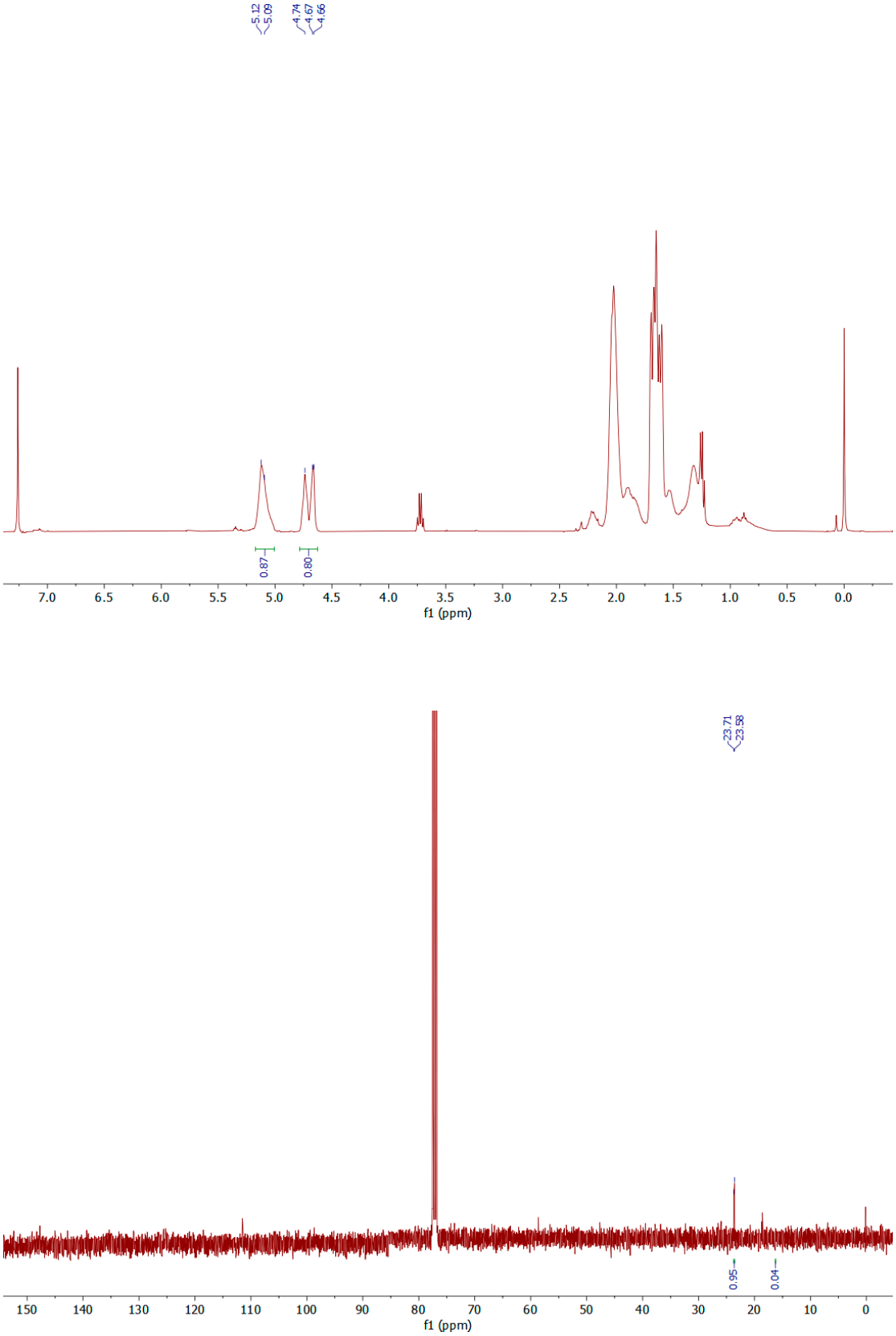

Figure S14. ^{1}H and ^{13}C NMR spectra of the polyisoprenes obtained using **Co1**/$AlMe_2Cl$ (Table 3, entry 12).

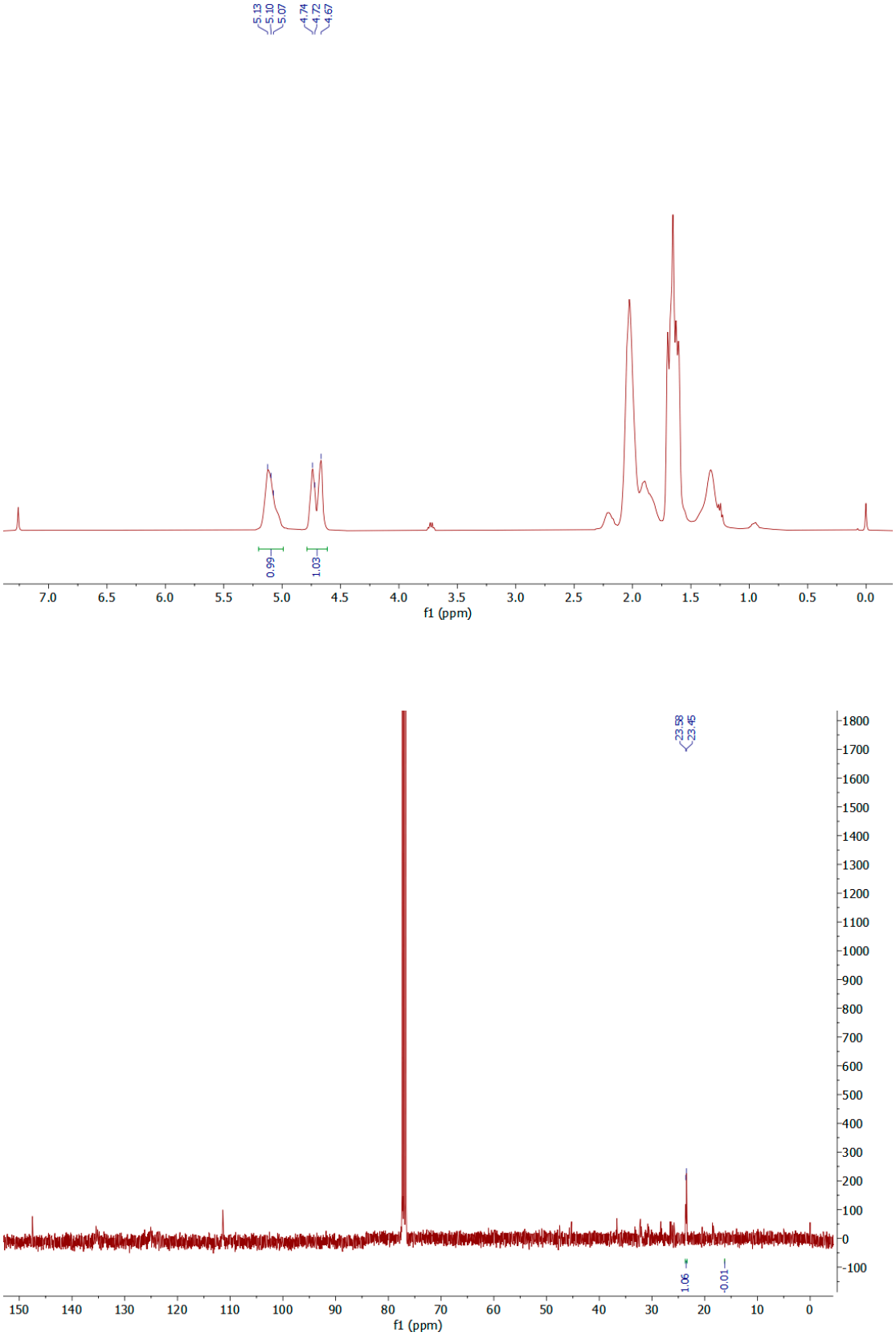

Figure S15. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co2**/$AlMe_2Cl$ (Table 4, entry 2).

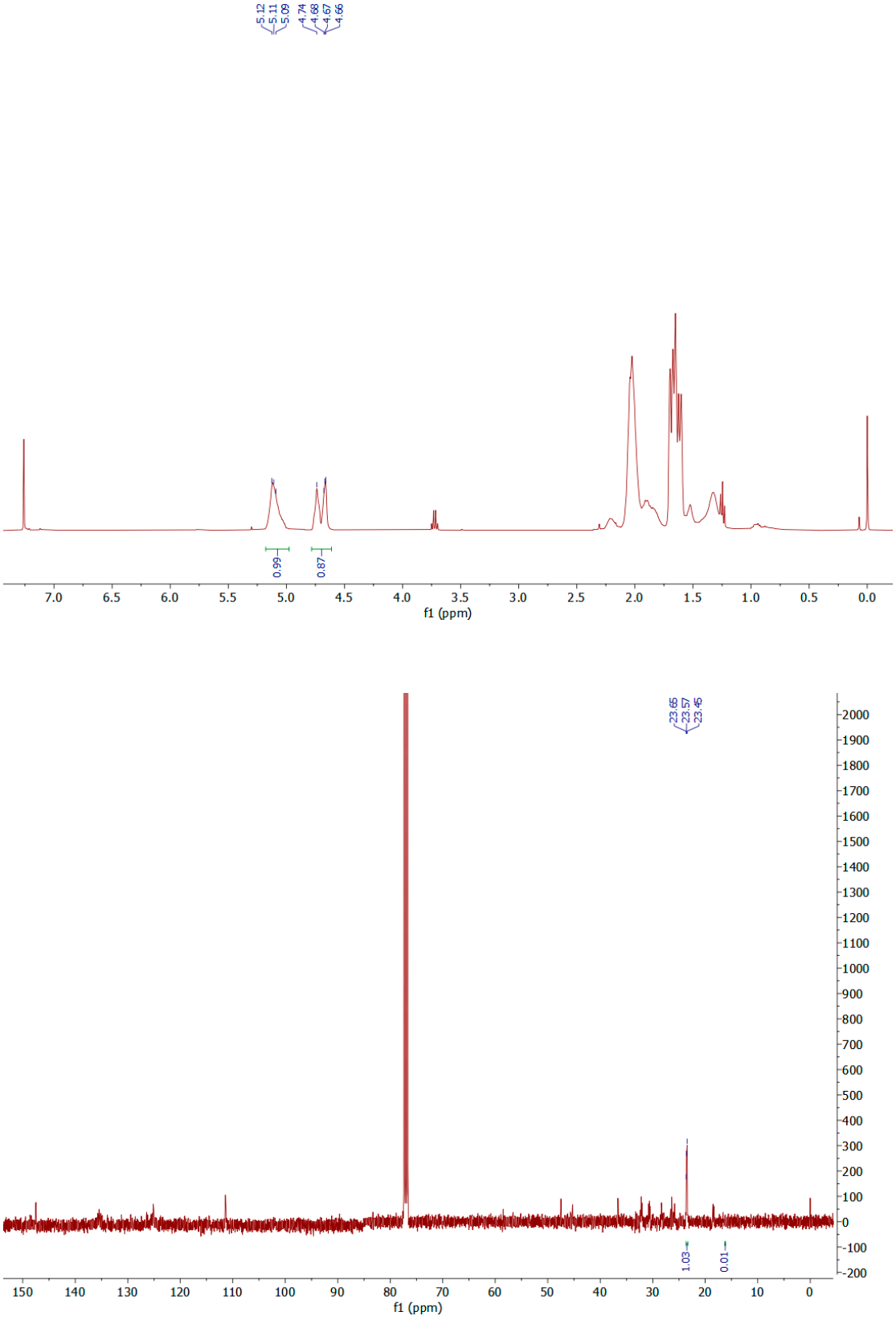

Figure S16. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co3**/$AlMe_2Cl$ (Table 4, entry 3).

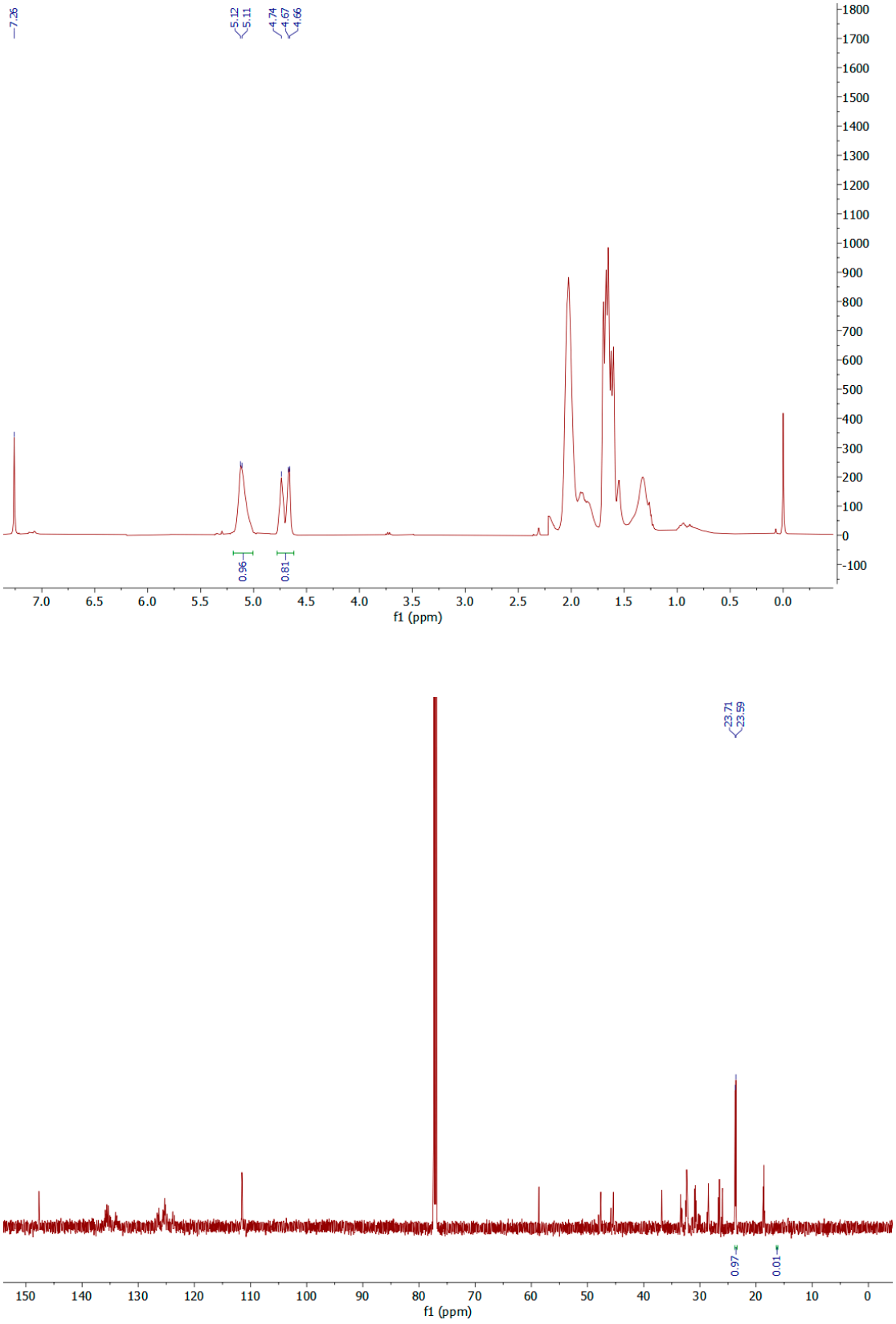

Figure S17. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co4**/$AlMe_2Cl$ (Table 4, entry 4).

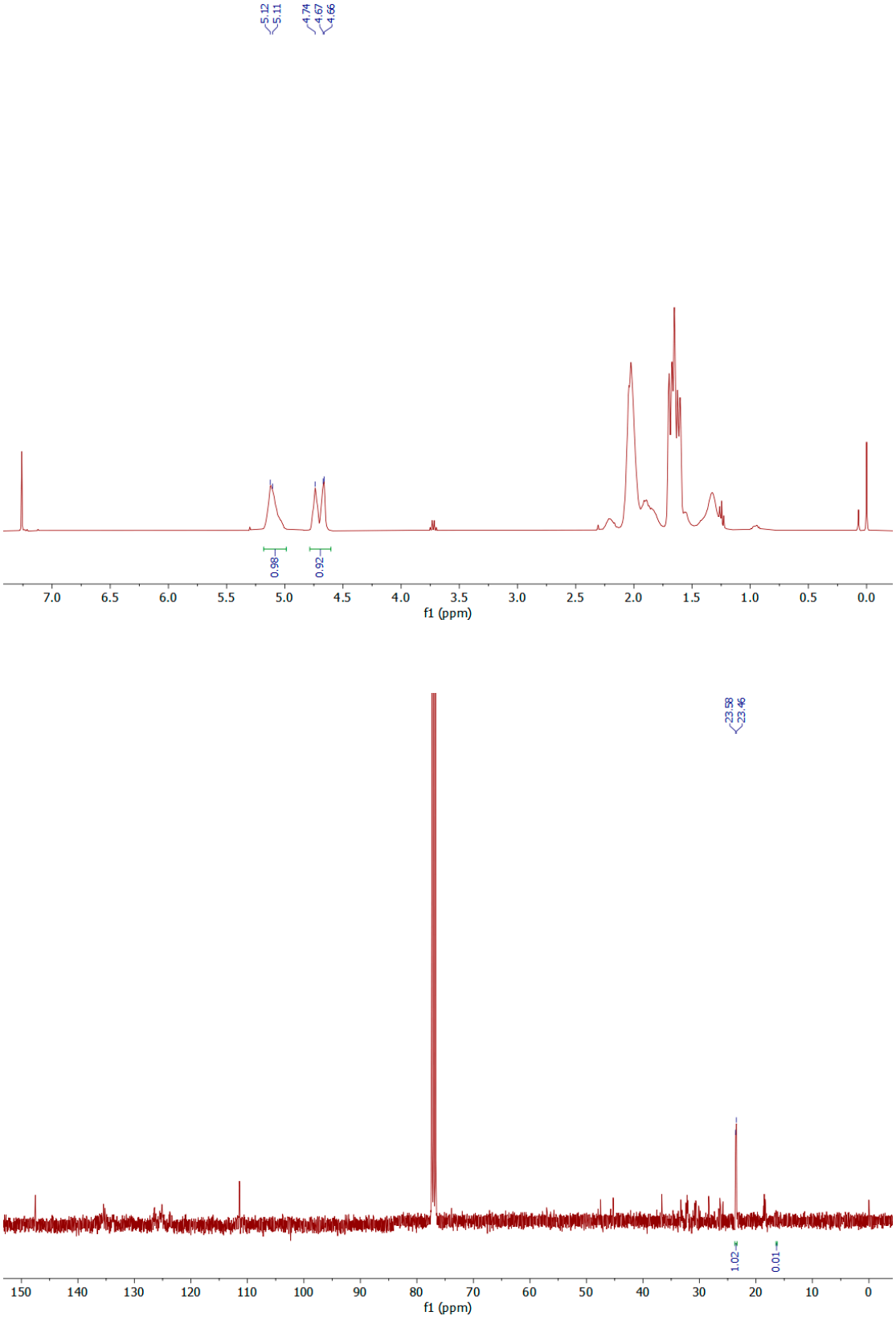

Figure S18. ^{1}H and ^{13}C NMR spectra of the polyisoprene obtained using **Co5**/$AlMe_2Cl$ (Table 4, entry 5).