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SUPPLEMENTARY MATERIAL

Unexpected Pyrolytic Behaviour of Substituted Benzo[*c*]thiopyran and Thieno[2,3-*c*]thiopyran *S,S*-dioxides

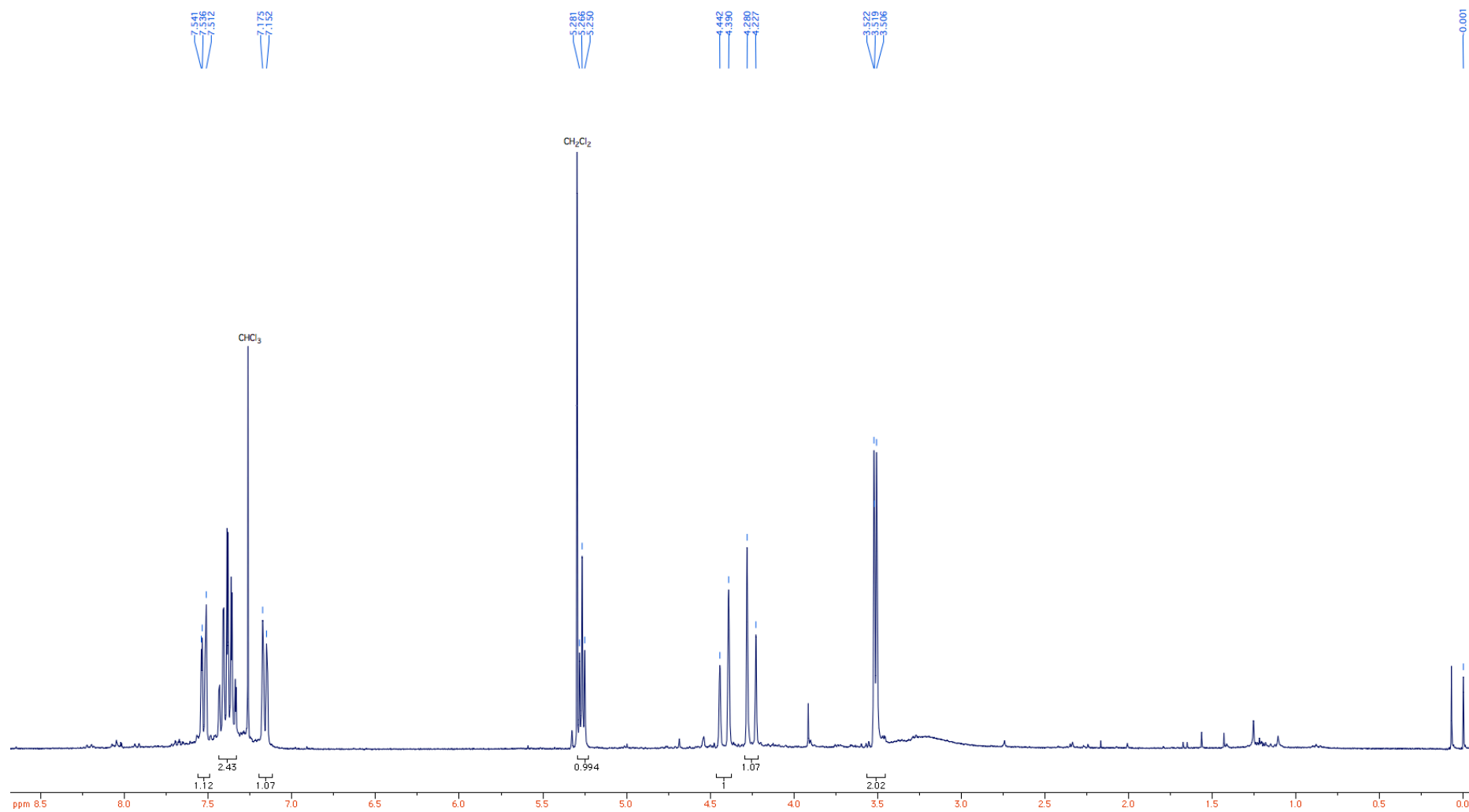
R. Alan Aitken,^{A,C} Clémence Hauduc,^A M. Selim Hossain,^B Emily McHale,^A Adrian L. Schwan,^B Alexandra M. Z. Slawin,^A and Colin A. Stewart^A

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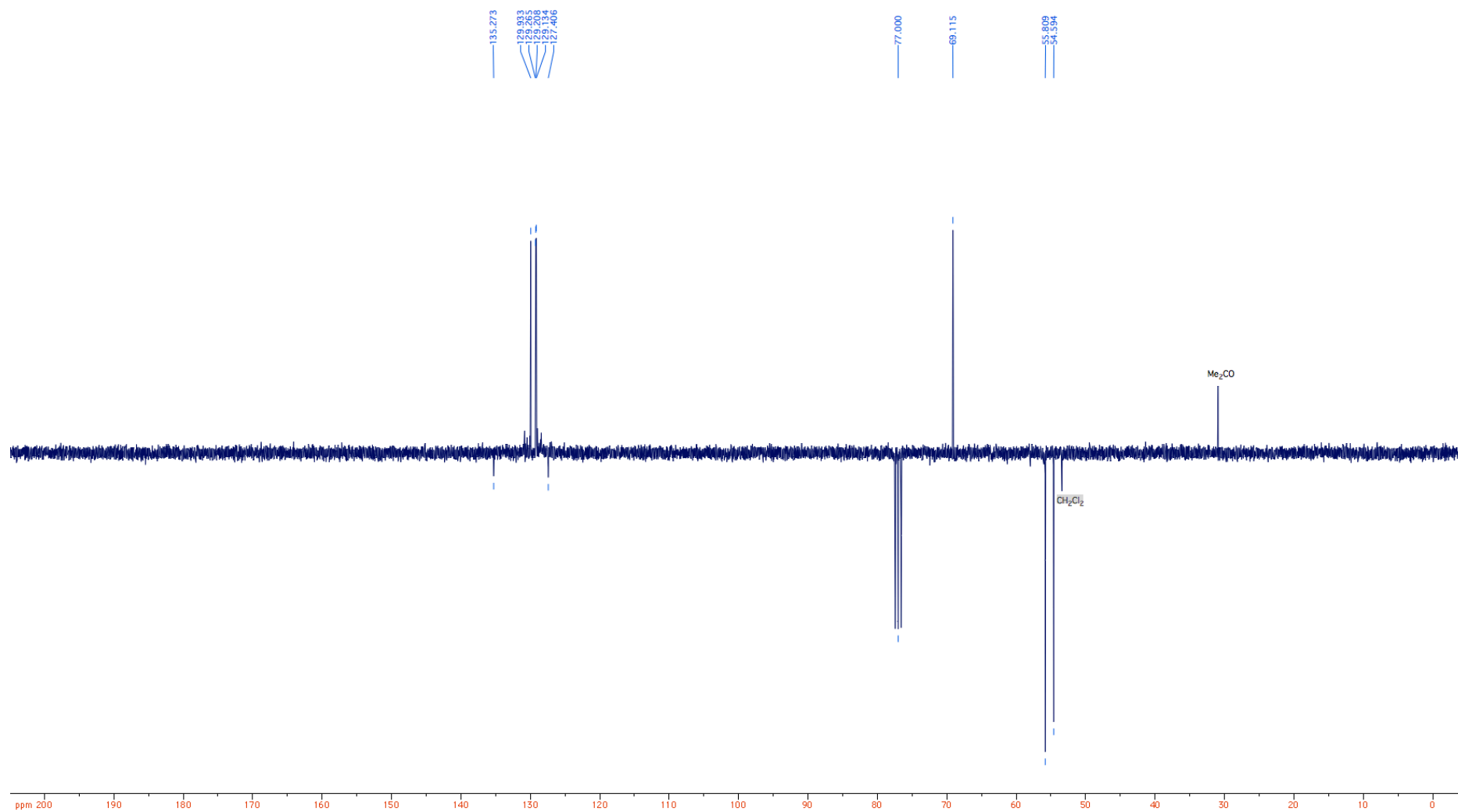
^BDepartment of Chemistry, University of Guelph, Guelph, Ontario, N1G 2W1, Canada.

^CCorresponding author. Email: raa@st-and.ac.uk

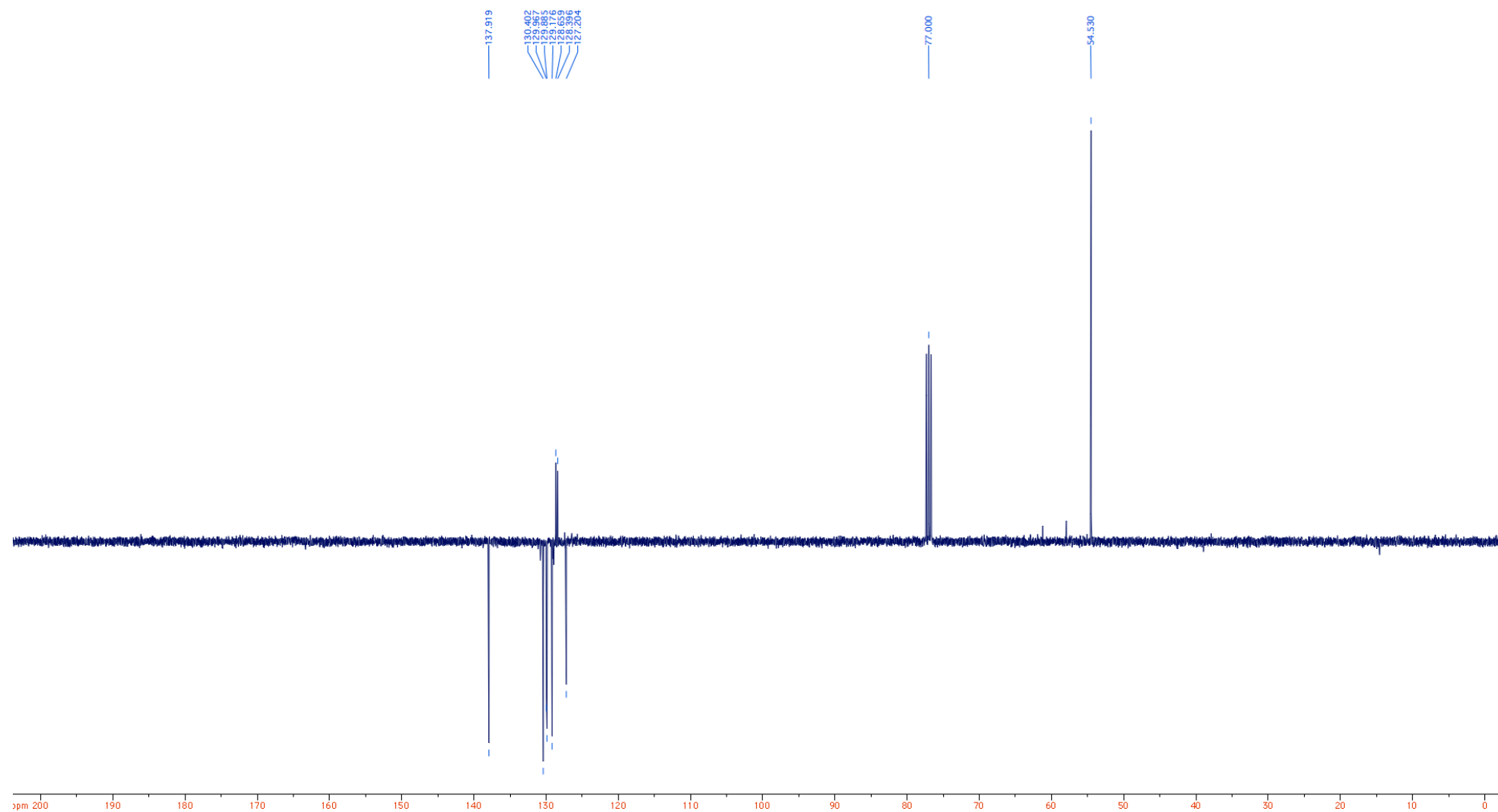
¹H NMR spectrum of **13**



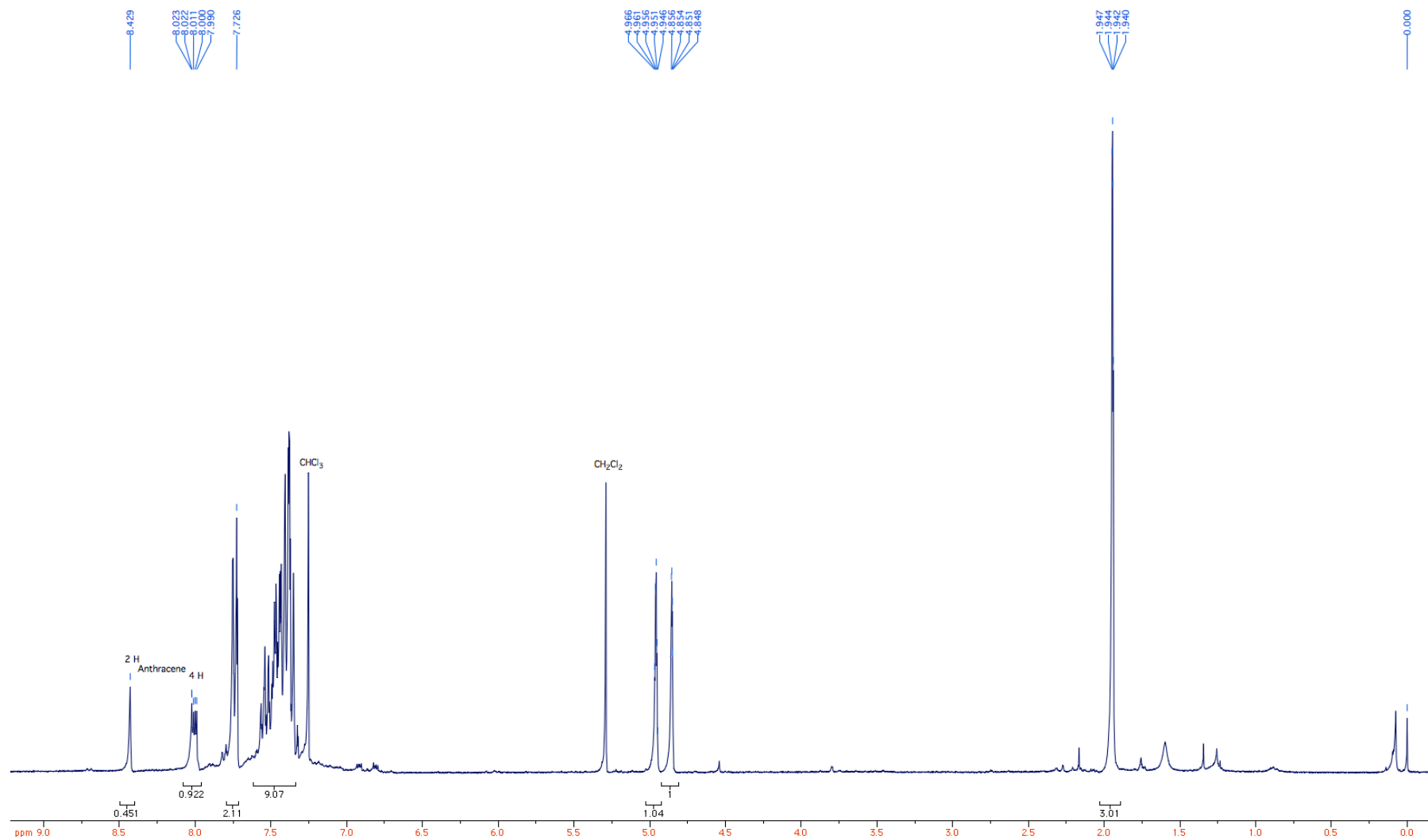
^{13}C NMR spectrum of **13**



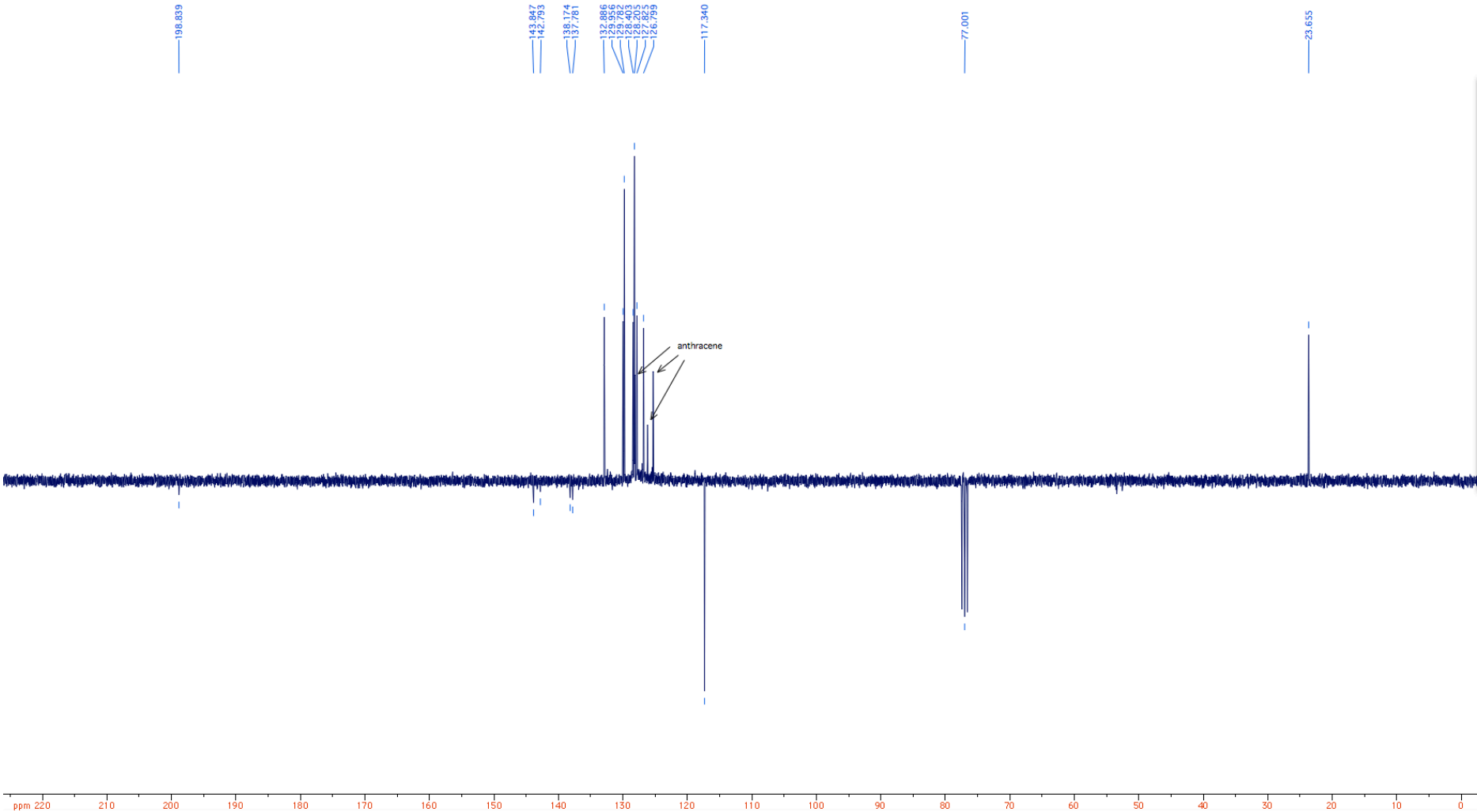
^{13}C NMR spectrum of **1**



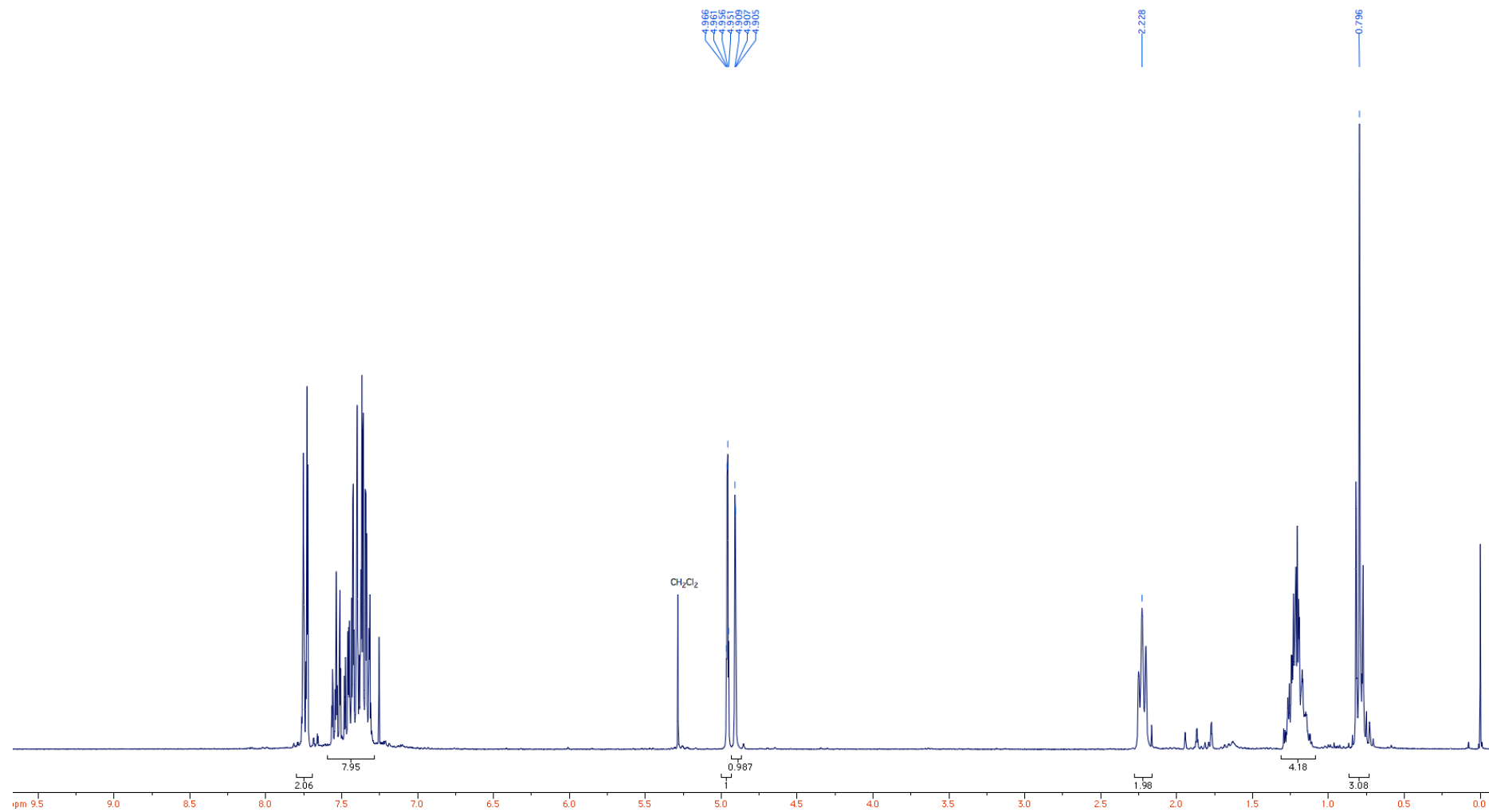
^1H NMR spectrum of **22**



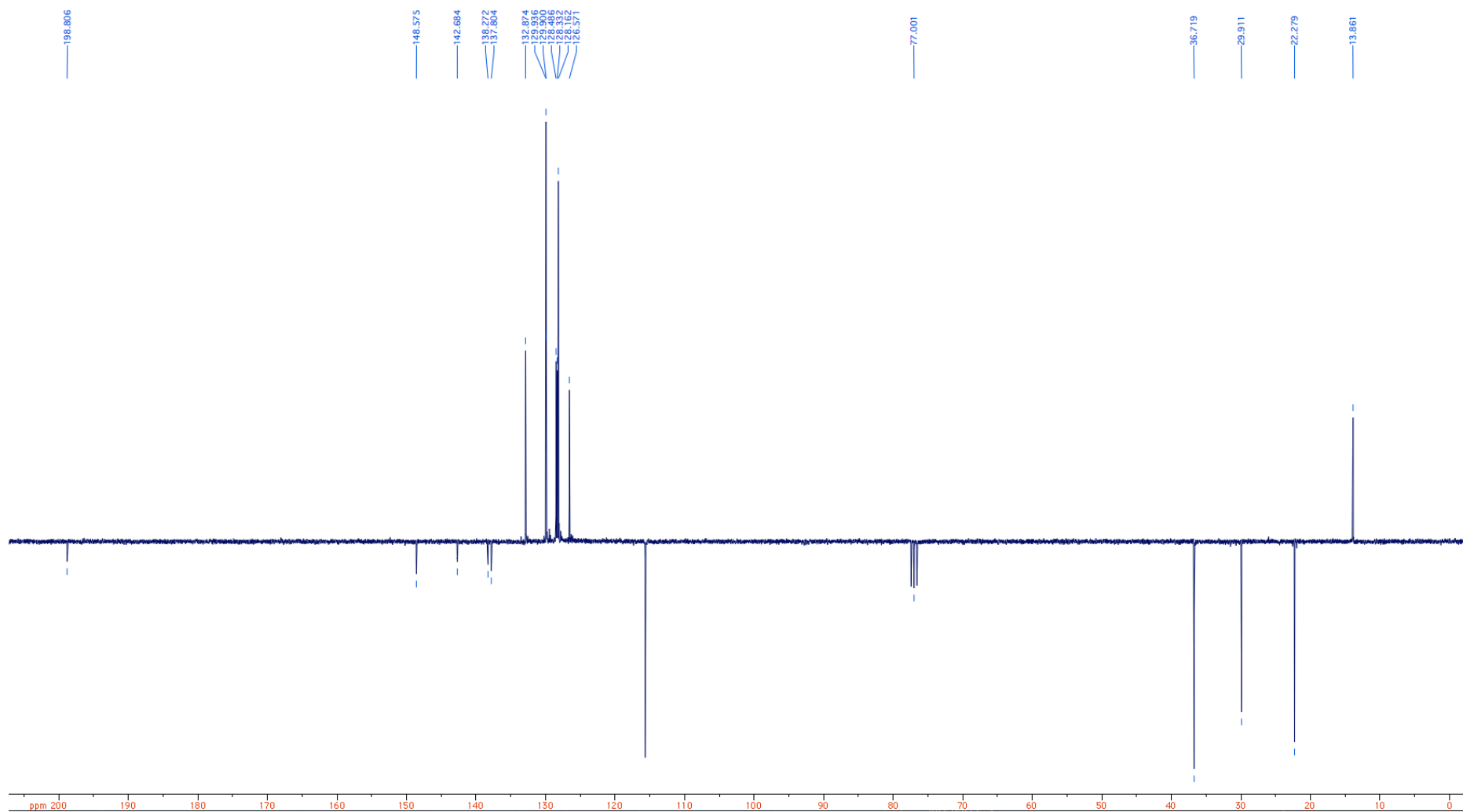
¹³C NMR spectrum of **22**



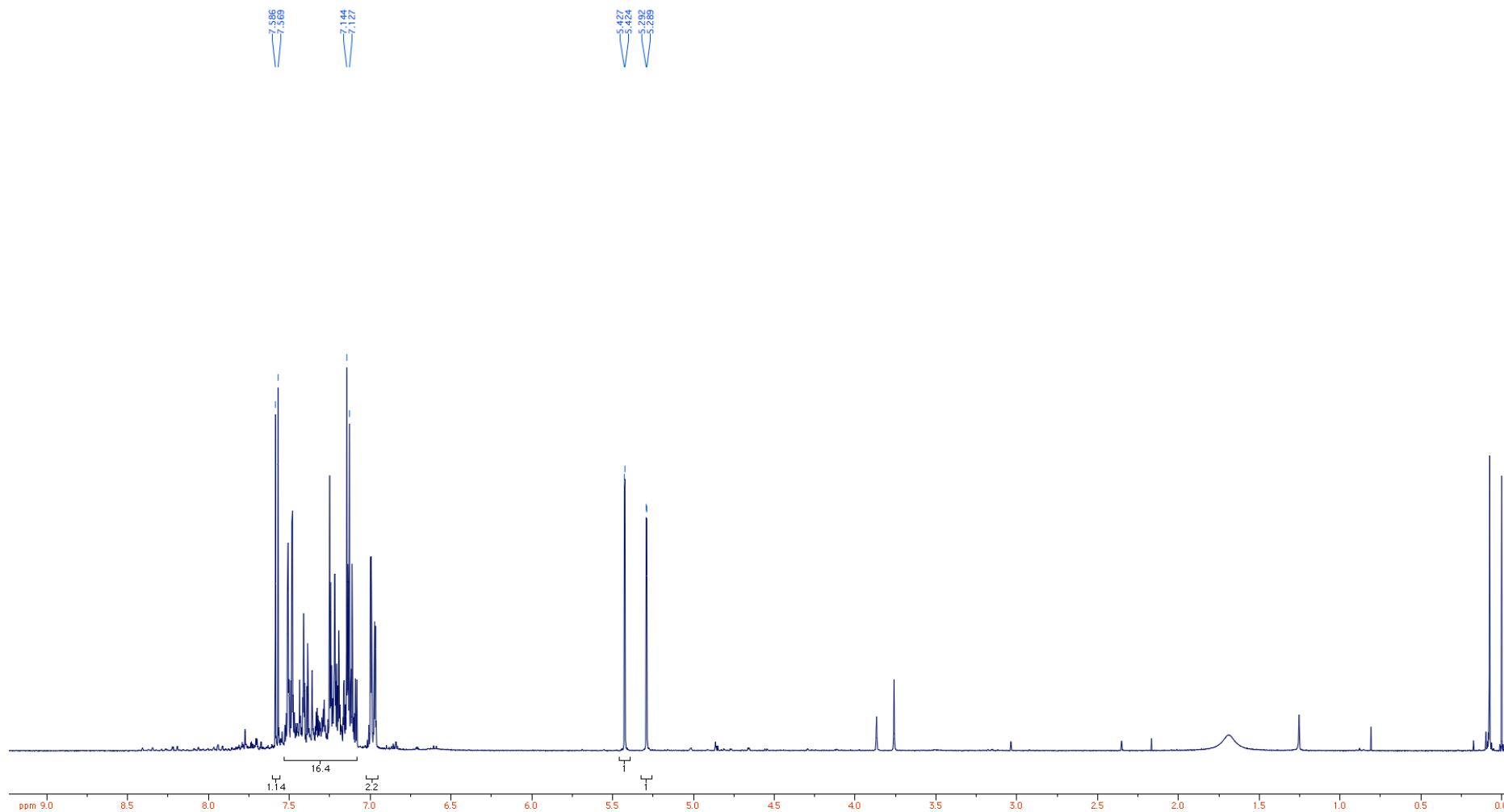
¹H NMR spectrum of **23**



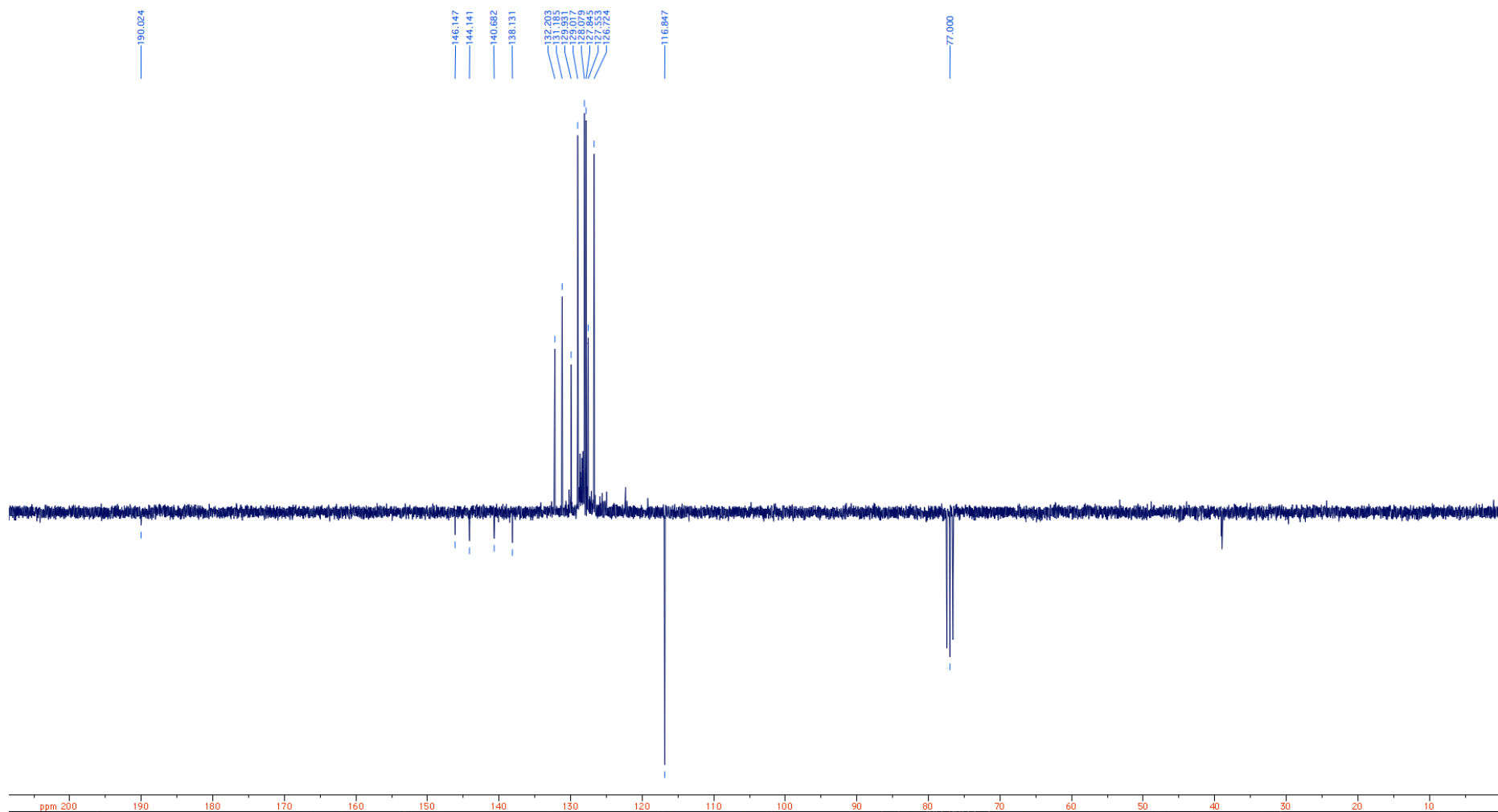
¹³C NMR spectrum of **23**



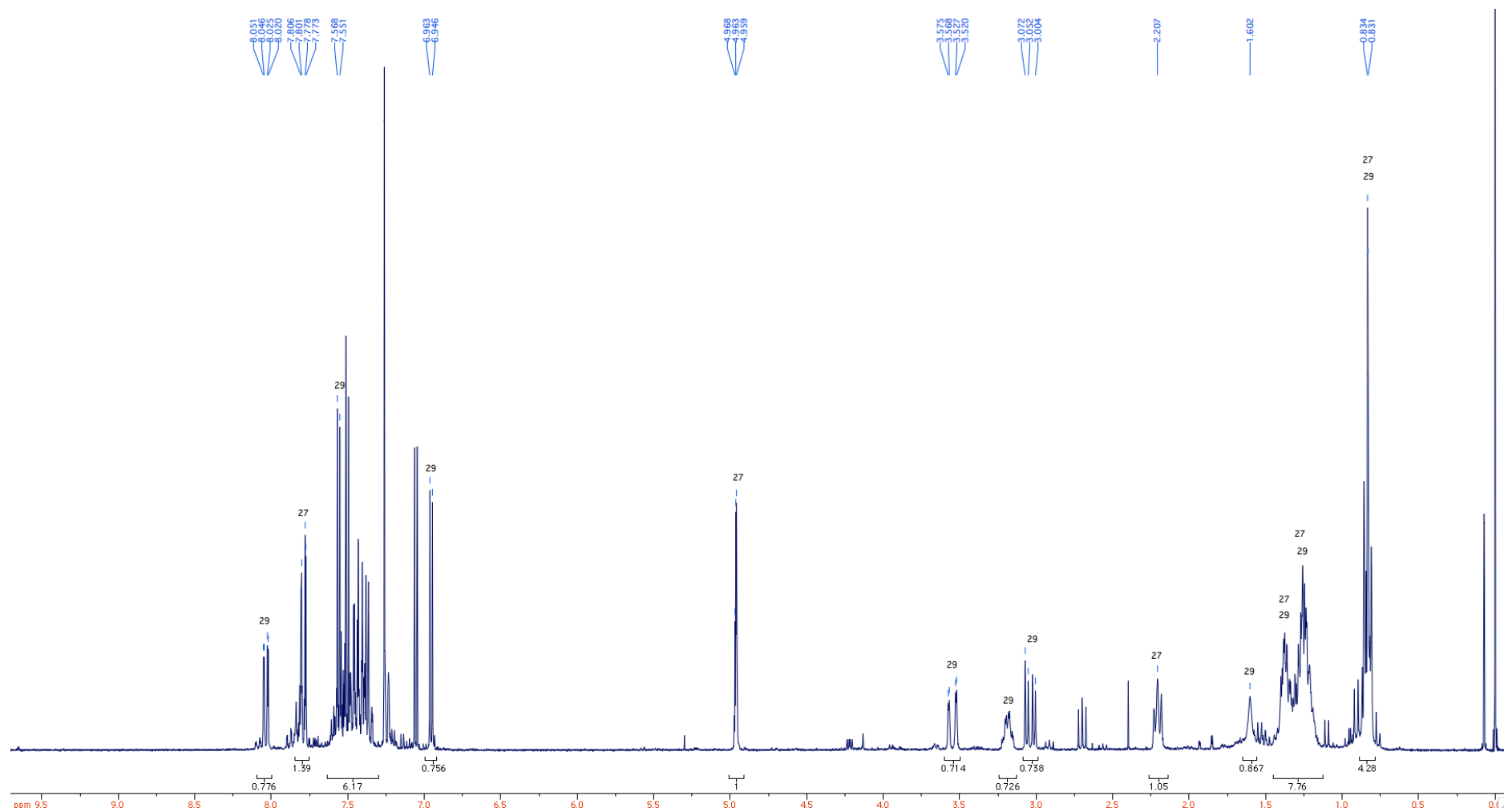
^1H NMR spectrum of **28**



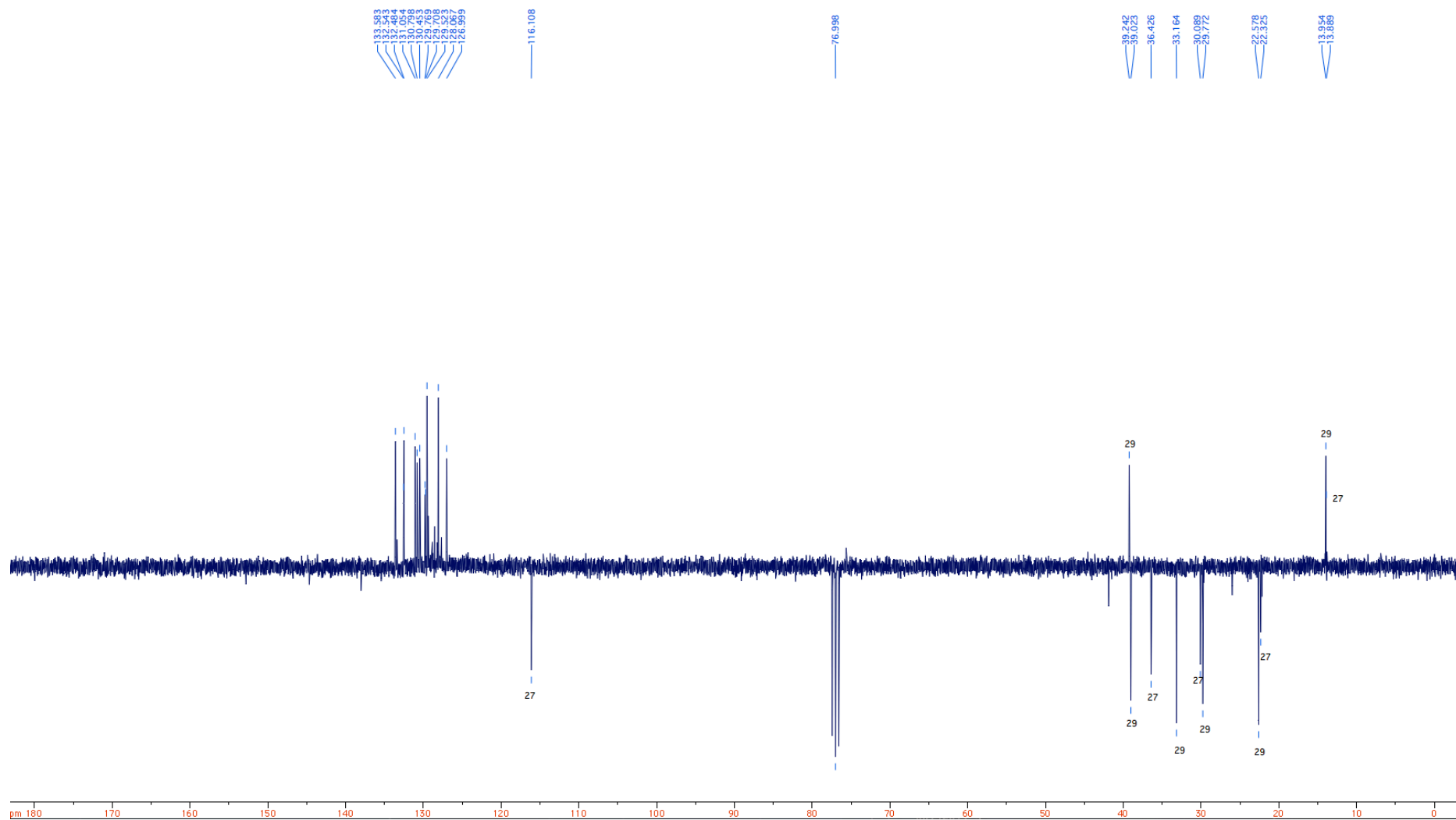
¹³C NMR spectrum of **28**



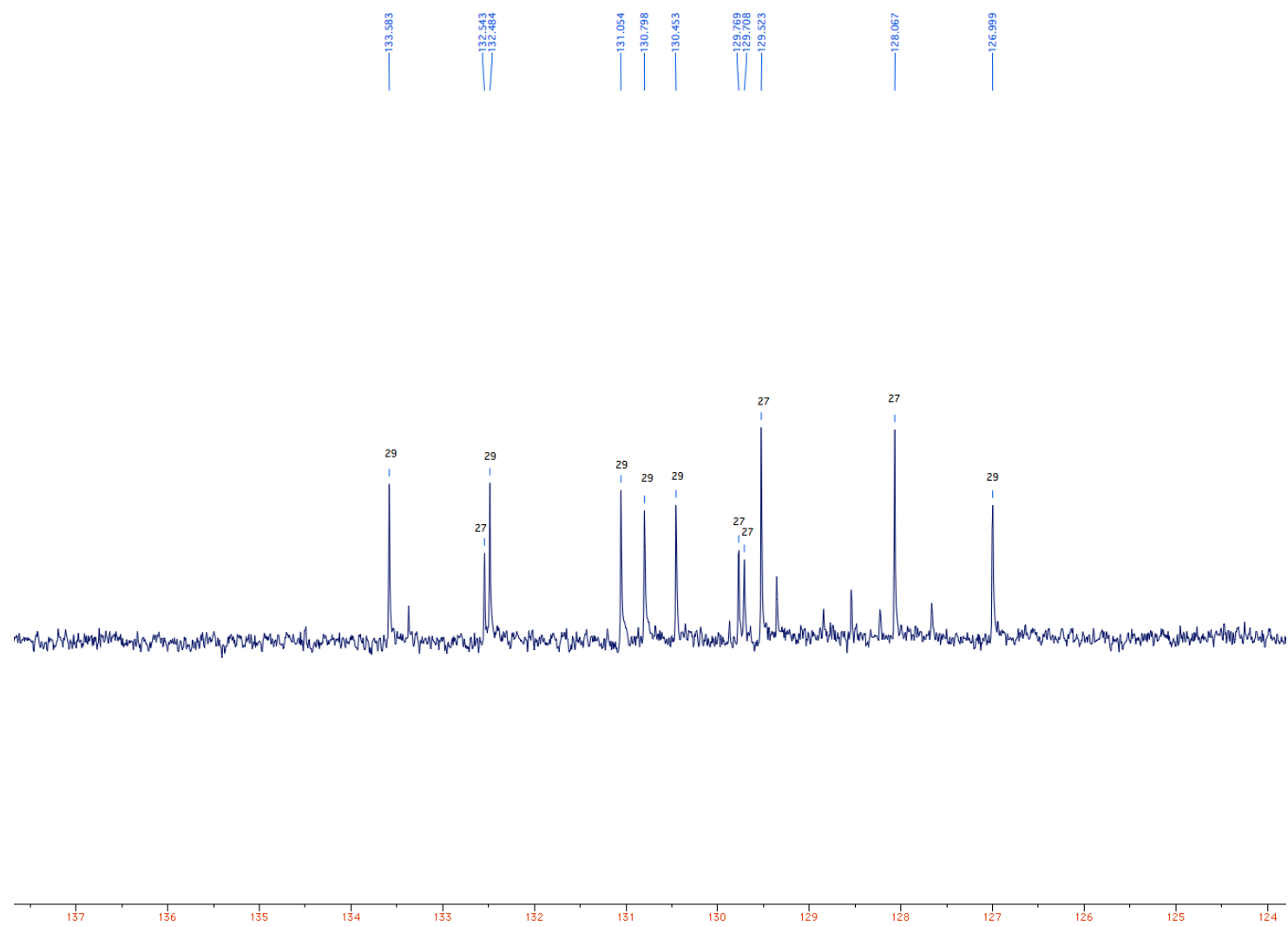
¹H NMR spectrum of 27/29



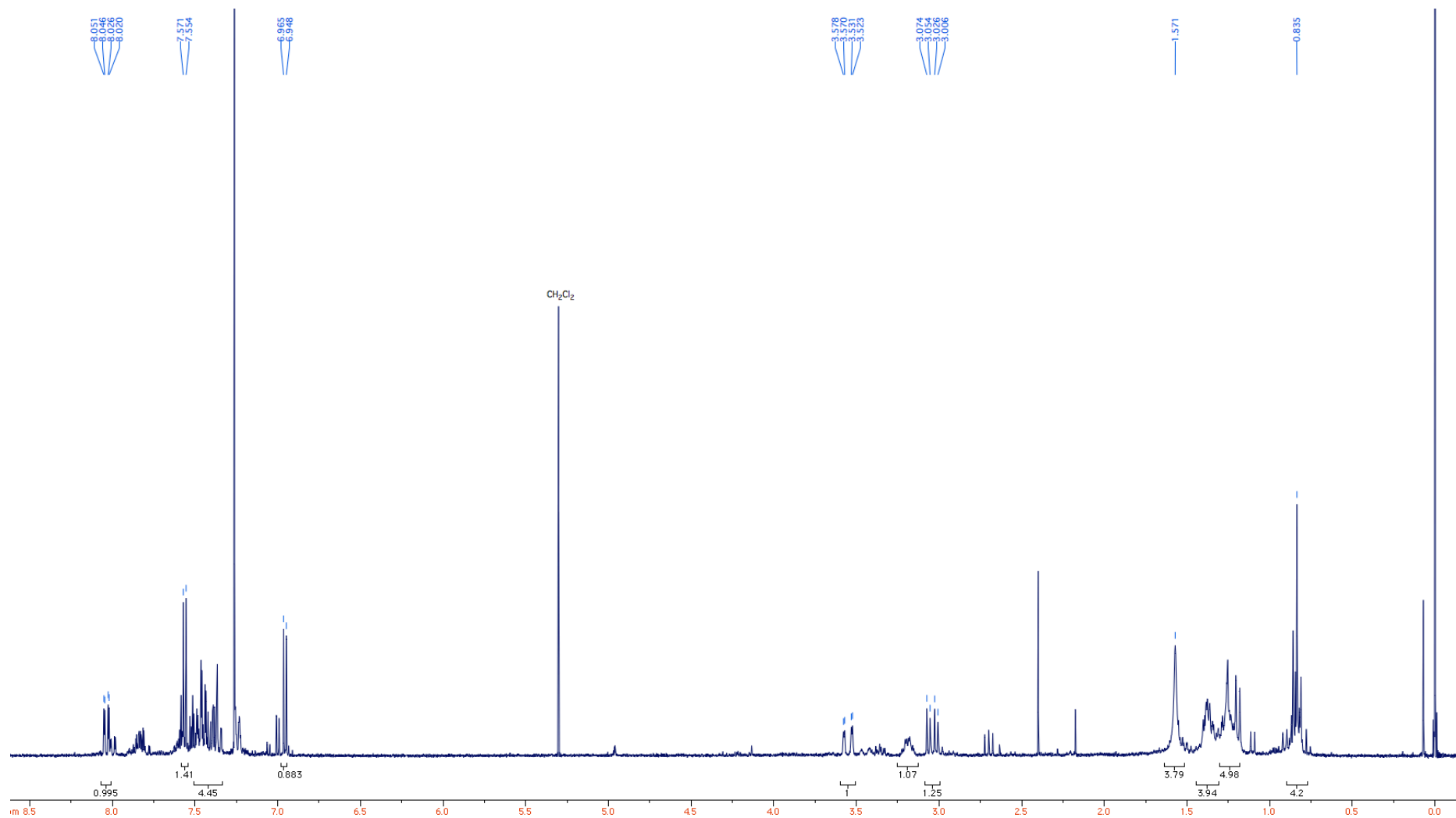
¹³C NMR spectrum of 27/29



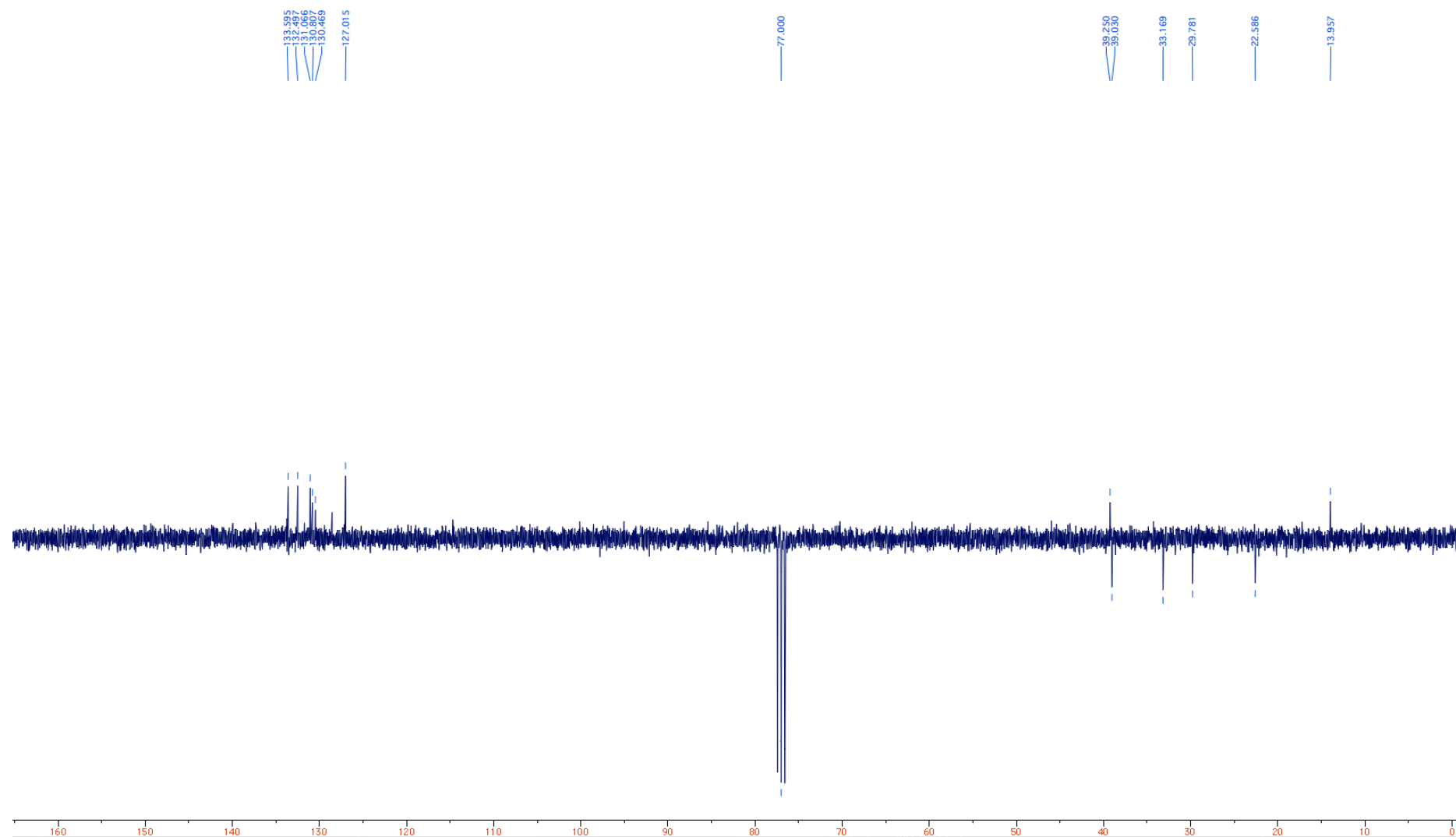
^{13}C NMR spectrum of **27/29** (expansion)



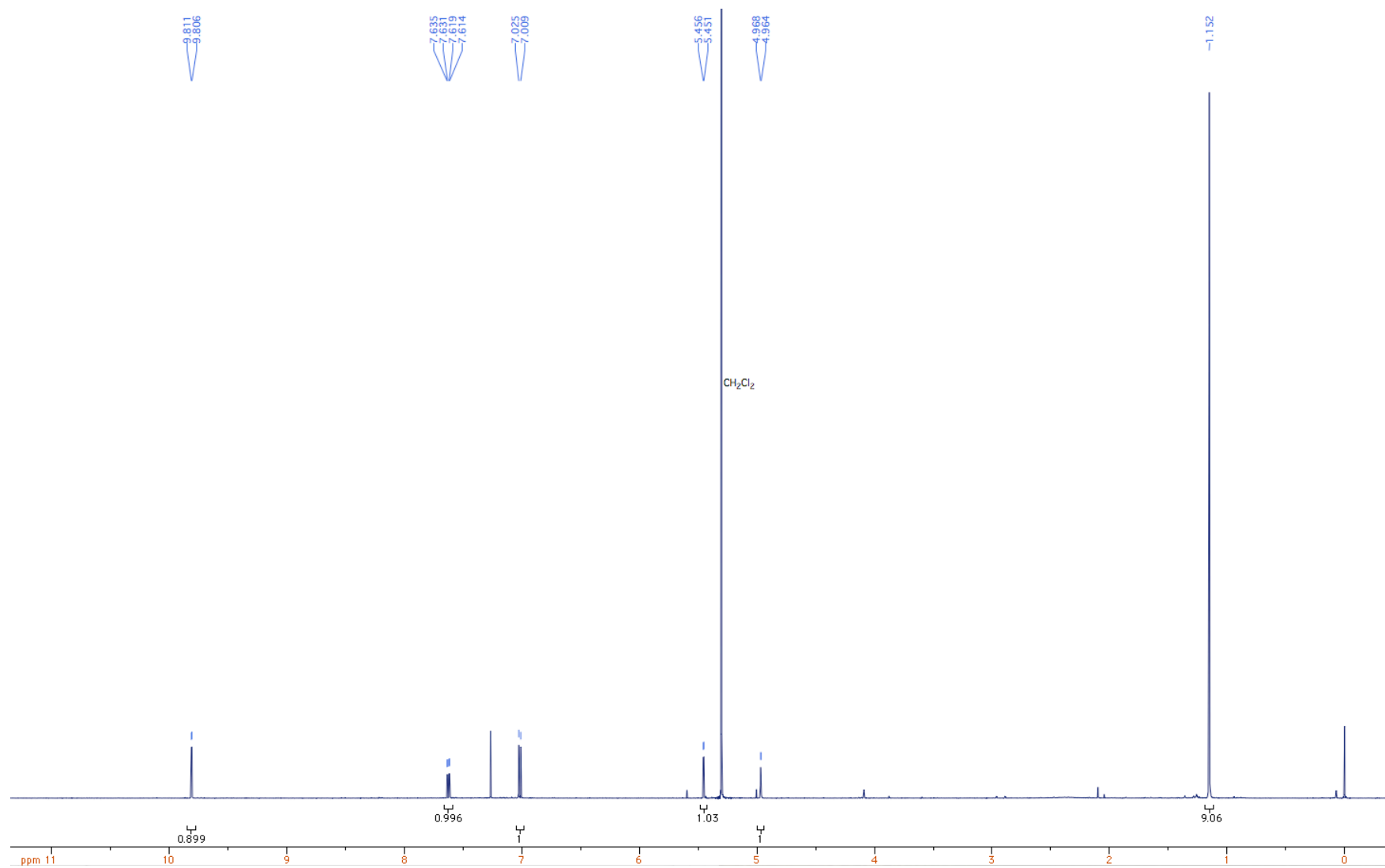
^1H NMR spectrum of **29**



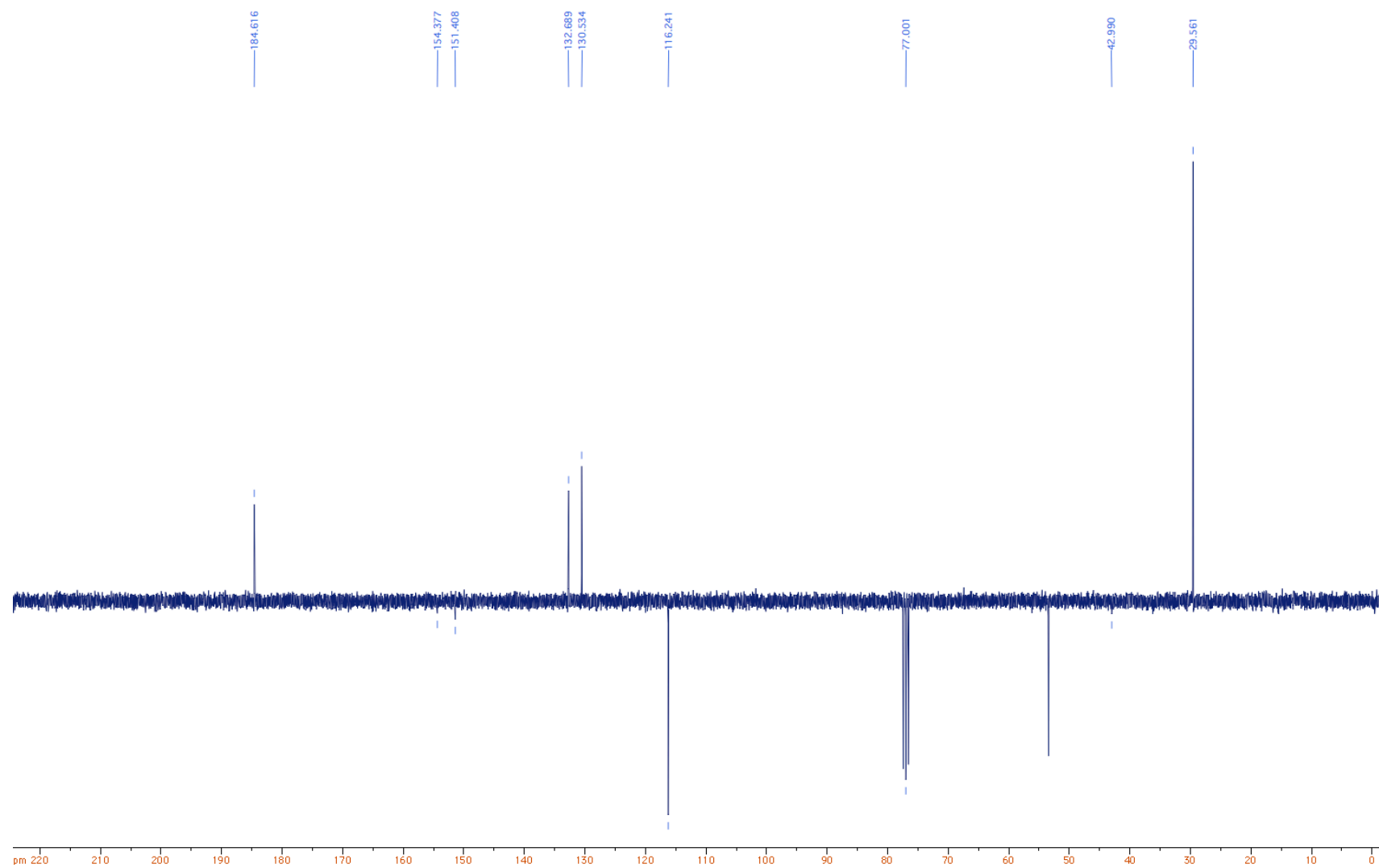
^{13}C NMR spectrum of **29**



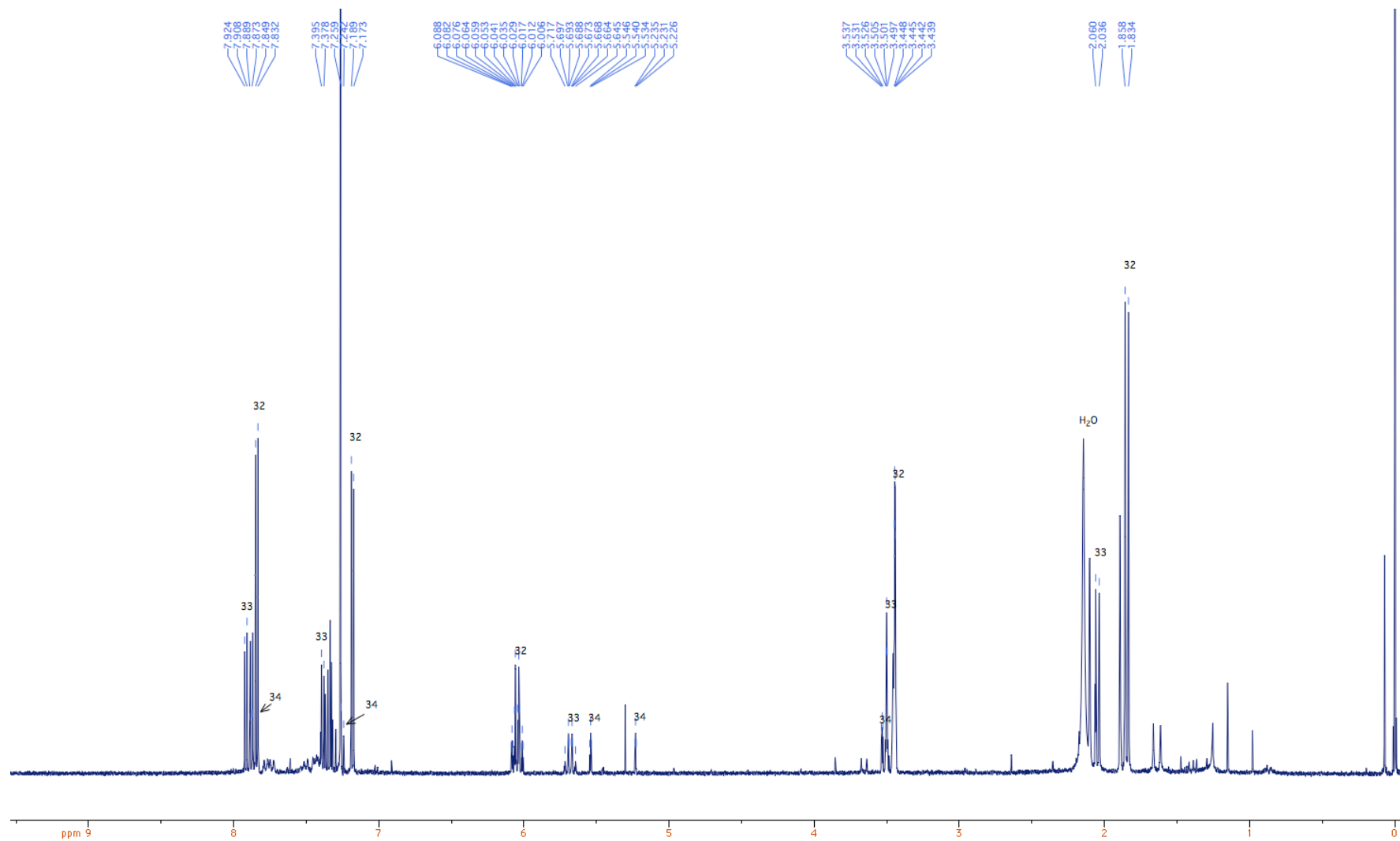
^1H NMR spectrum of **31**



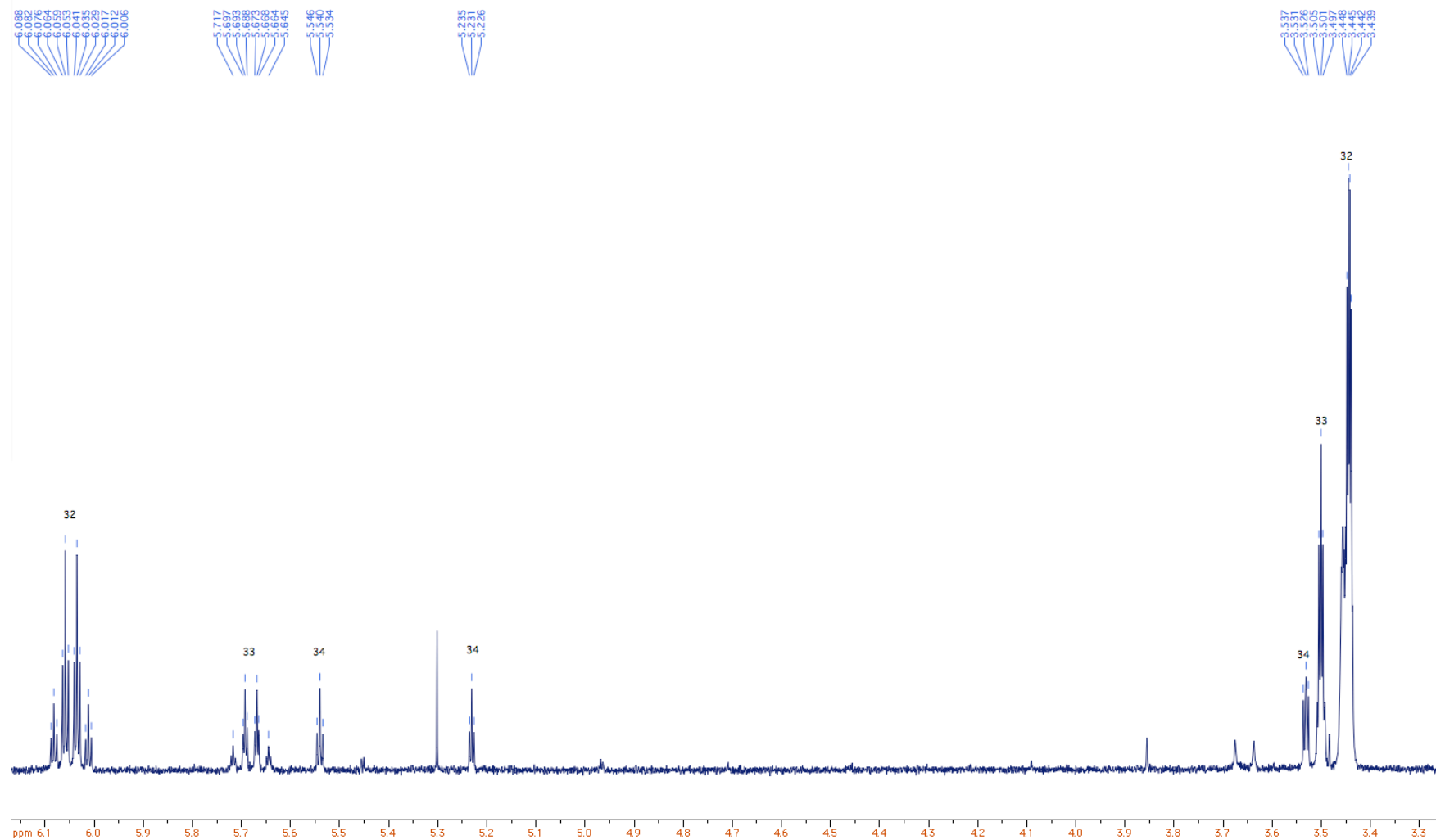
¹³C NMR spectrum of **31**



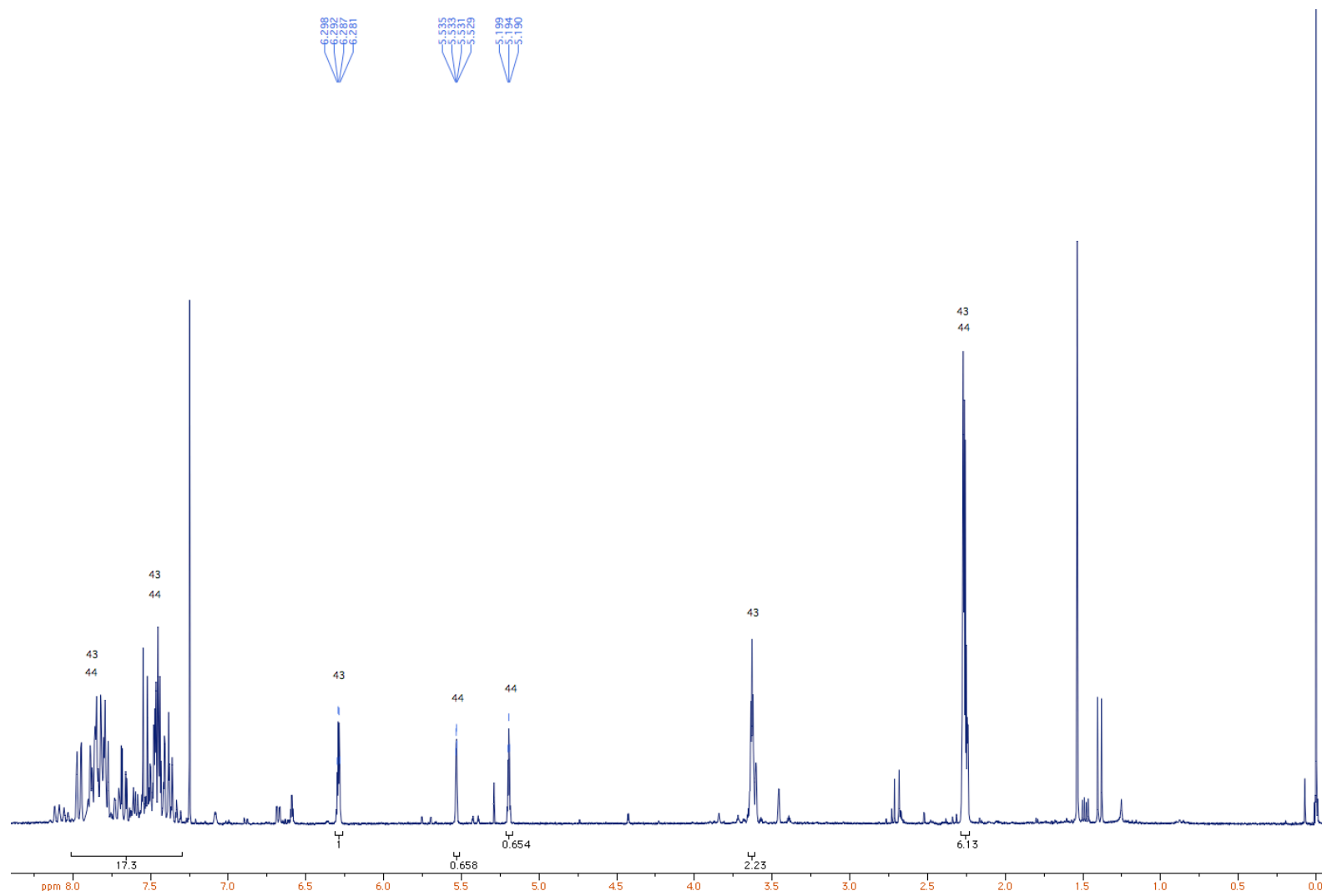
¹H NMR spectrum of 32/33/34



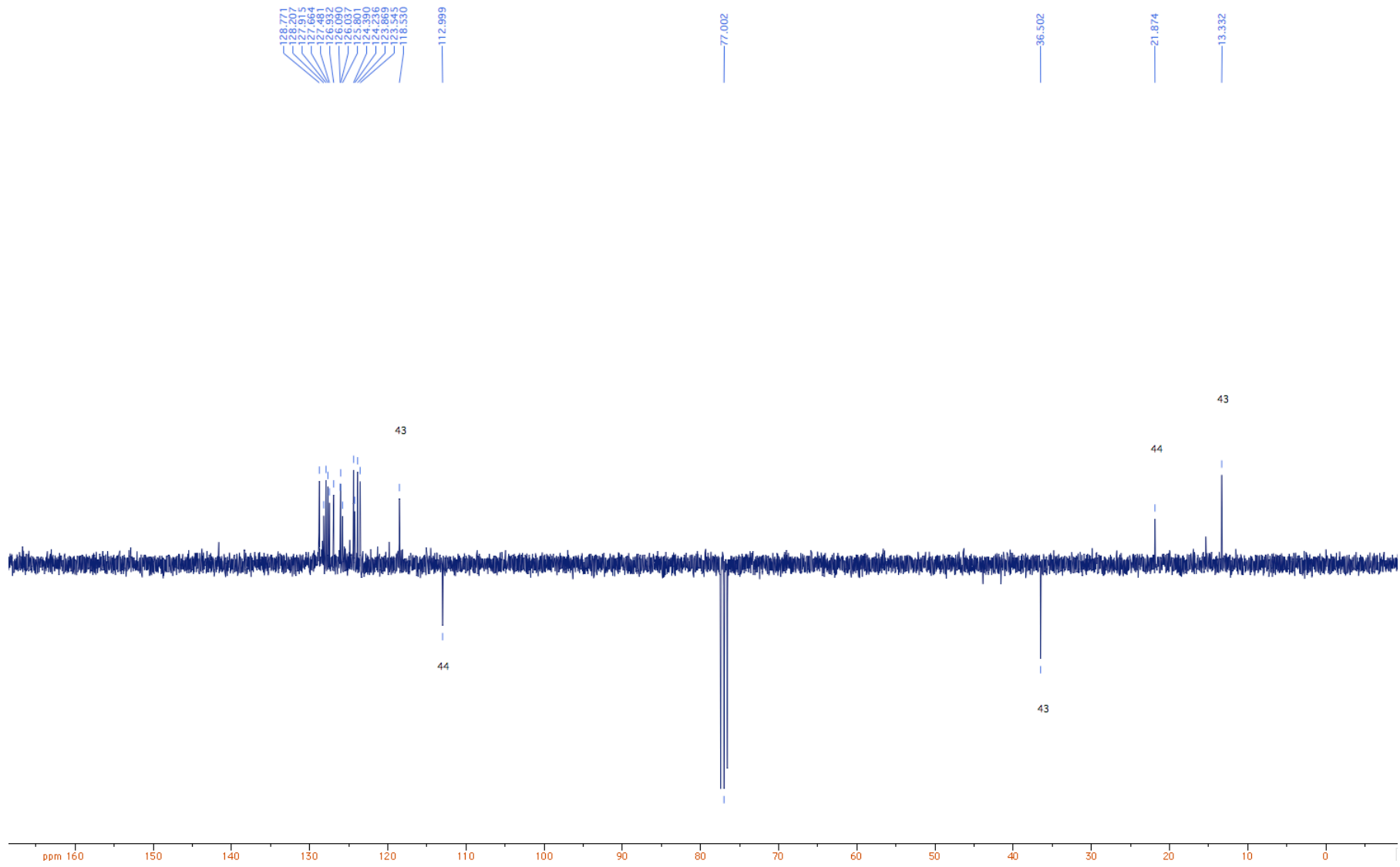
¹H NMR spectrum of **32/33/34** (expansion)



^1H NMR spectrum of **43/44**



^{13}C NMR spectrum of **43/44**



¹³C NMR spectrum of **43/44** (expansion)

