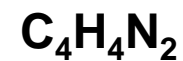


Exercise 7

Determine the structure of the compound with the given molecular formula and assign as many signals as possible.



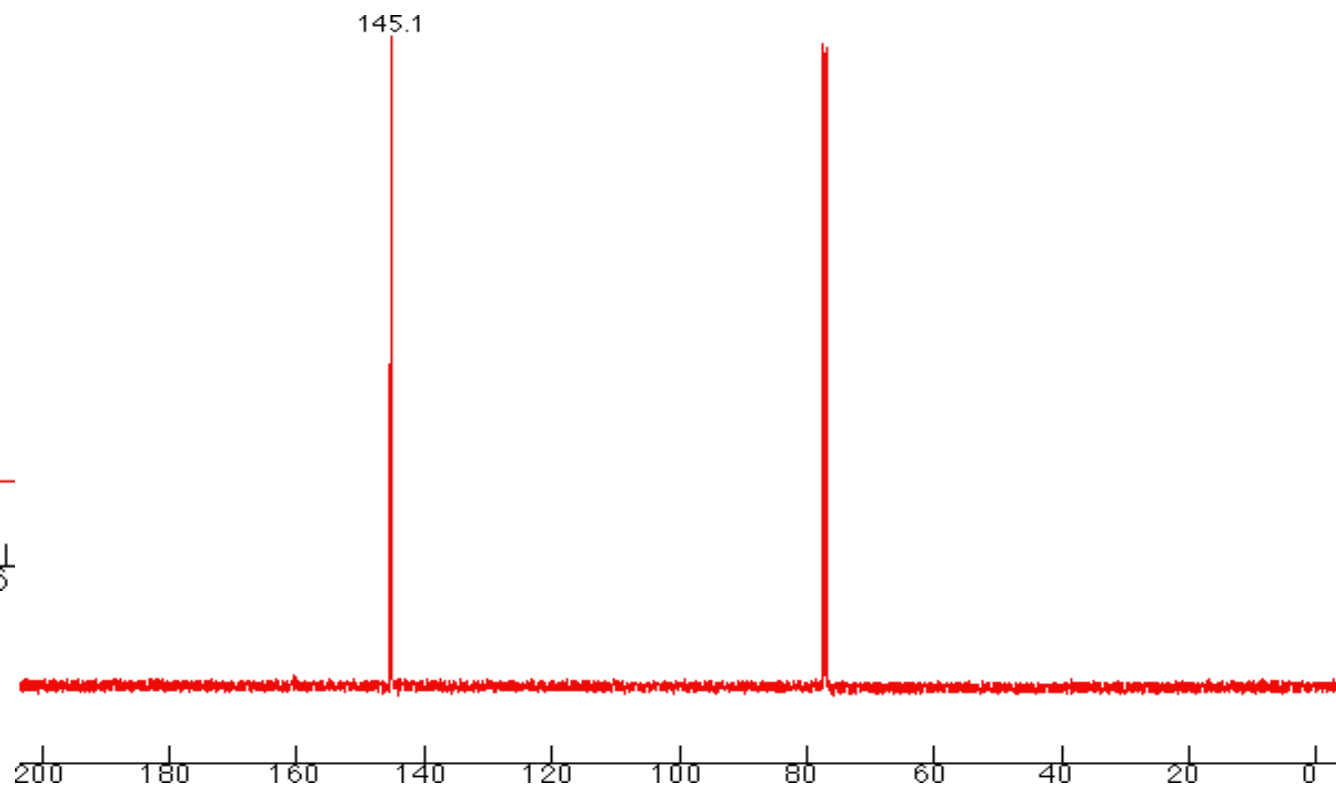
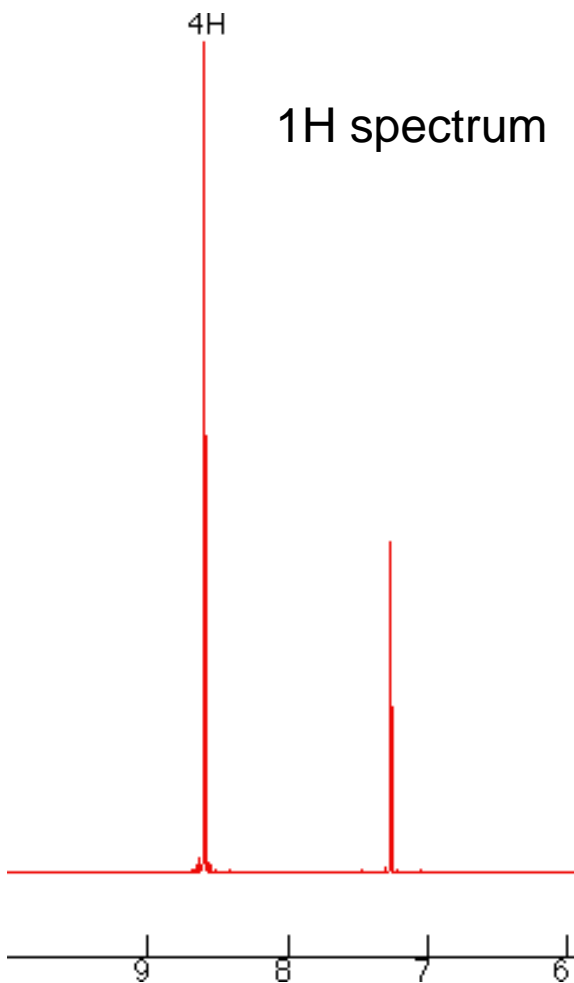
(dissolved in CDCl_3)

^1H spectrum

4H

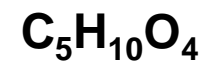
^{13}C spectrum

145.1



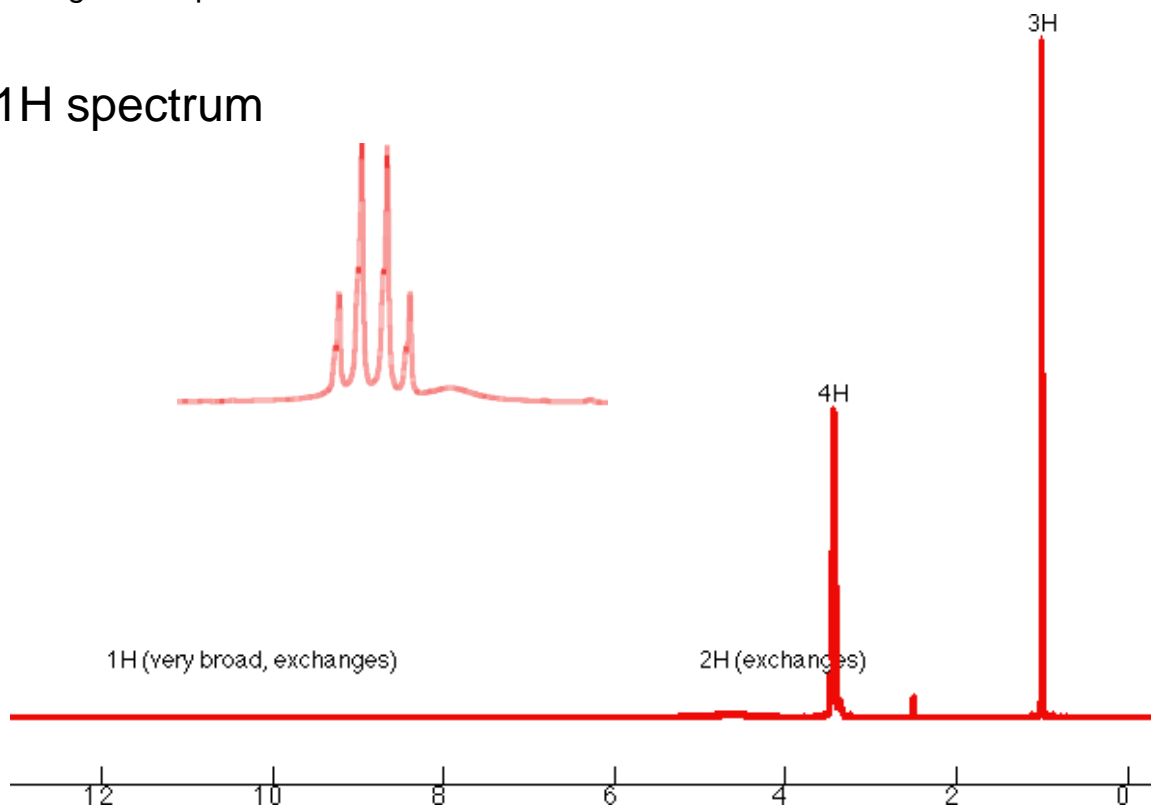
Exercise 8

Determine the structure of the compound with the given molecular formula and assign as many signals as possible.

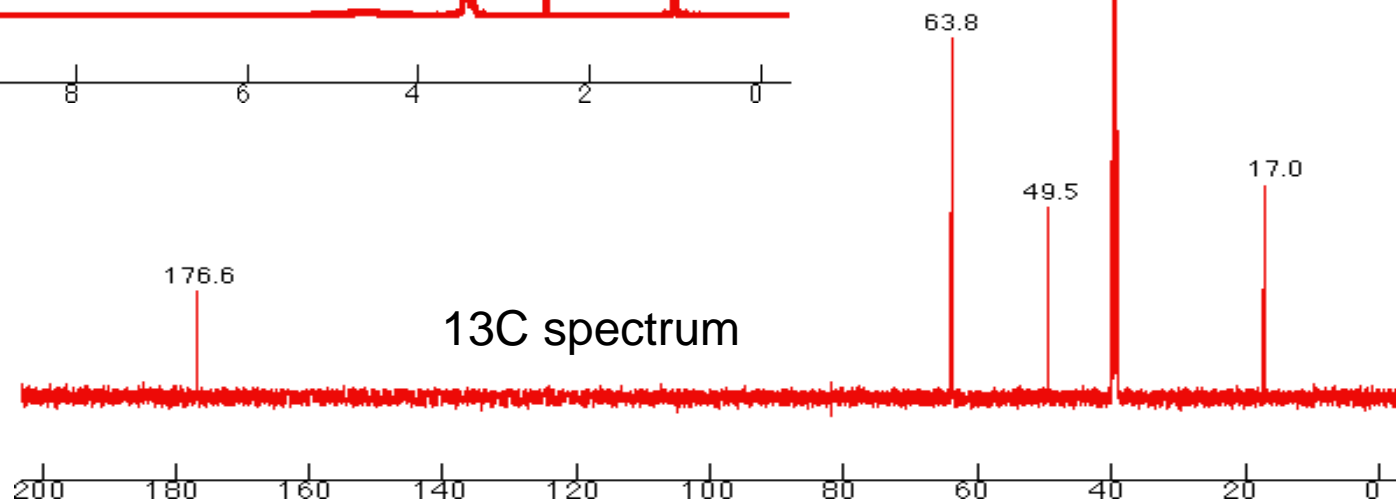


(DMSO)

^1H spectrum

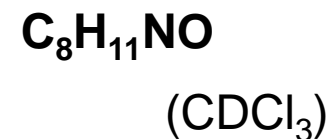


^{13}C spectrum

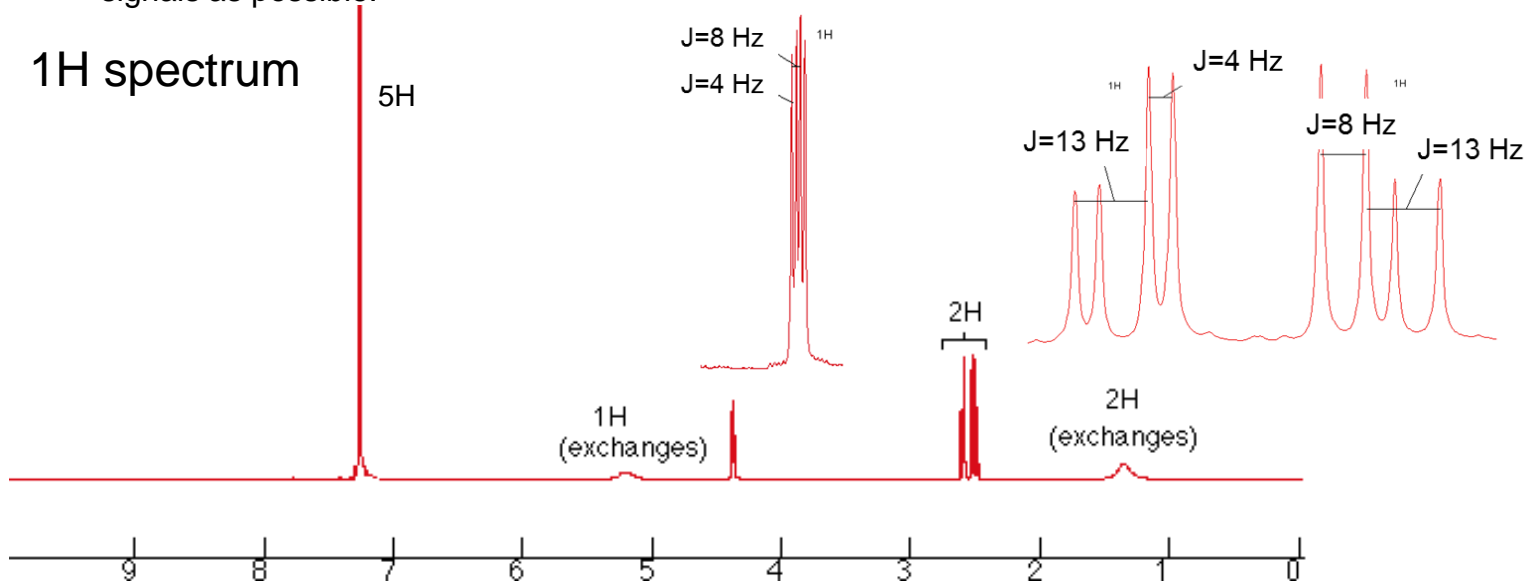


Exercise 9

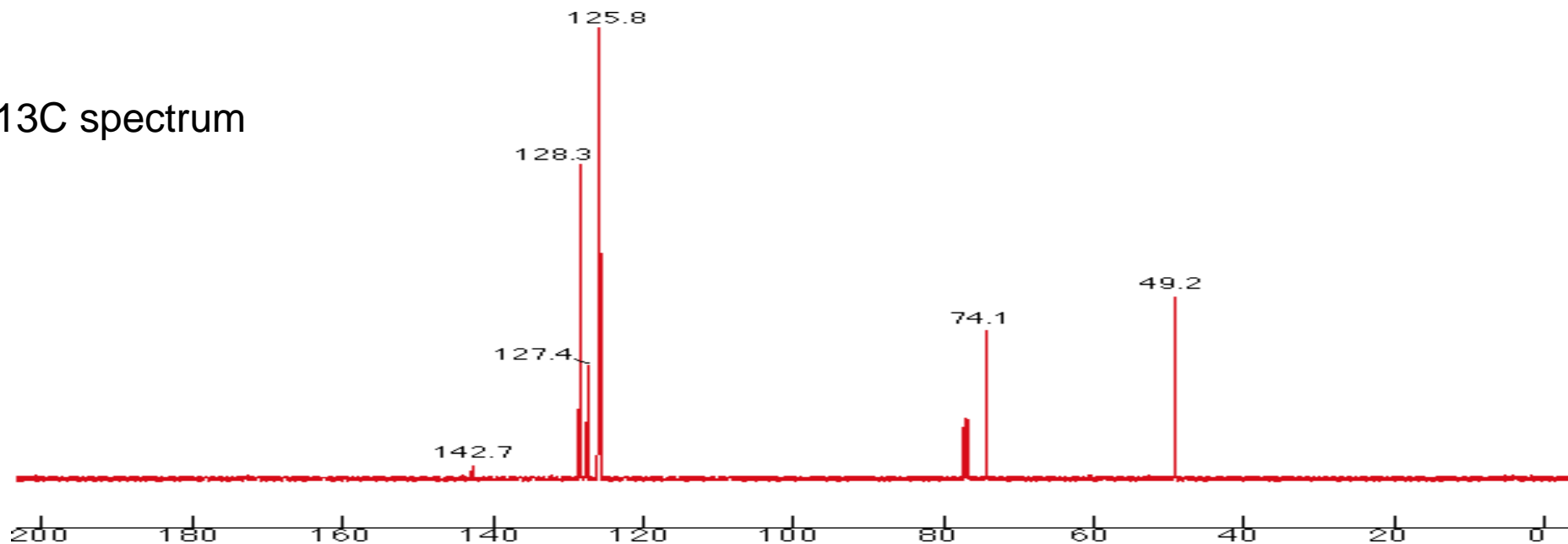
Determine the structure of the compound with the given molecular formula and assign as many signals as possible.



¹H spectrum

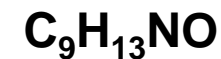


¹³C spectrum



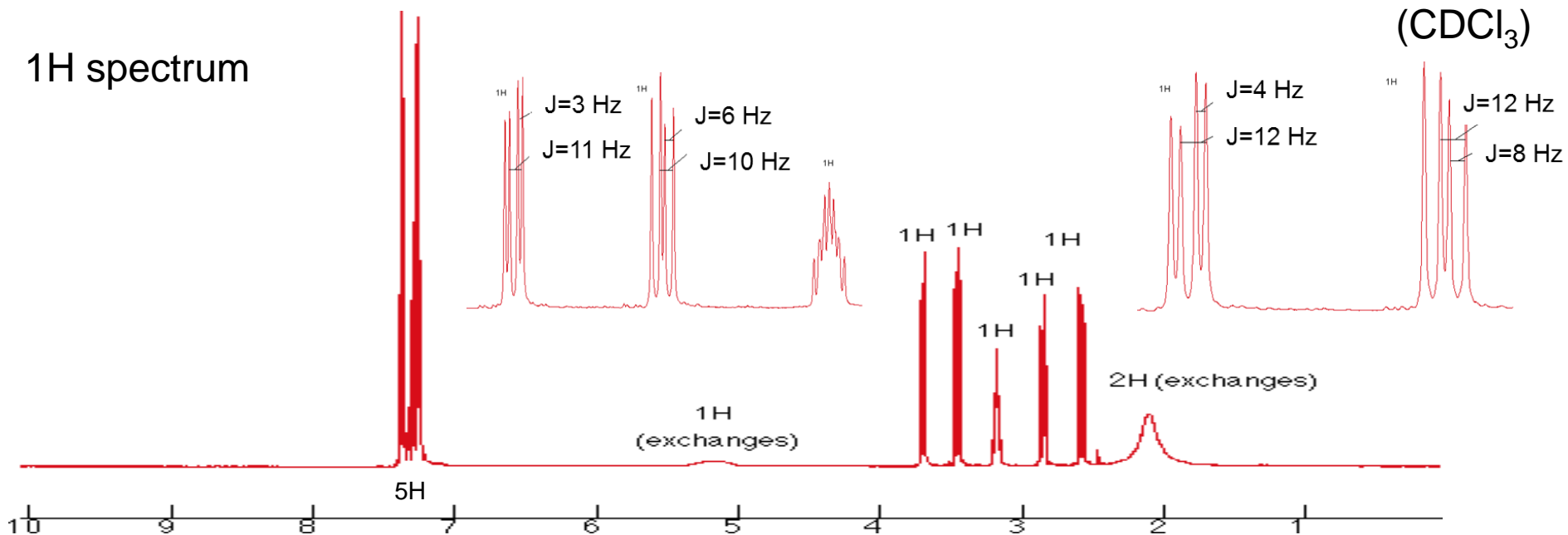
Exercise 10

Determine the structure of the compound with the given molecular formula and assign as many signals as possible.



(CDCl₃)

¹H spectrum



¹³C spectrum

