

Supporting Information

The synthesis of 3-hydroxy-2,4,8-trimethyldec-8-enolides and an approach to 3,4-dihydroxy-2,4,6,8-tetramethyldec-8-enolide

J. M. Botubol-Ares,^a M. J. Durán Peña,^a A. J. Macías-Sánchez,^a J. R. Hanson,^b I. G. Collado^a
and R. Hernández-Galán^{a,*}

^aDepartamento de Química Orgánica, Facultad de Ciencias, UCA, Polígono Río San Pedro s/n, 11510,
Puerto Real, Cádiz, Spain

rosario.hernandez@uca.es

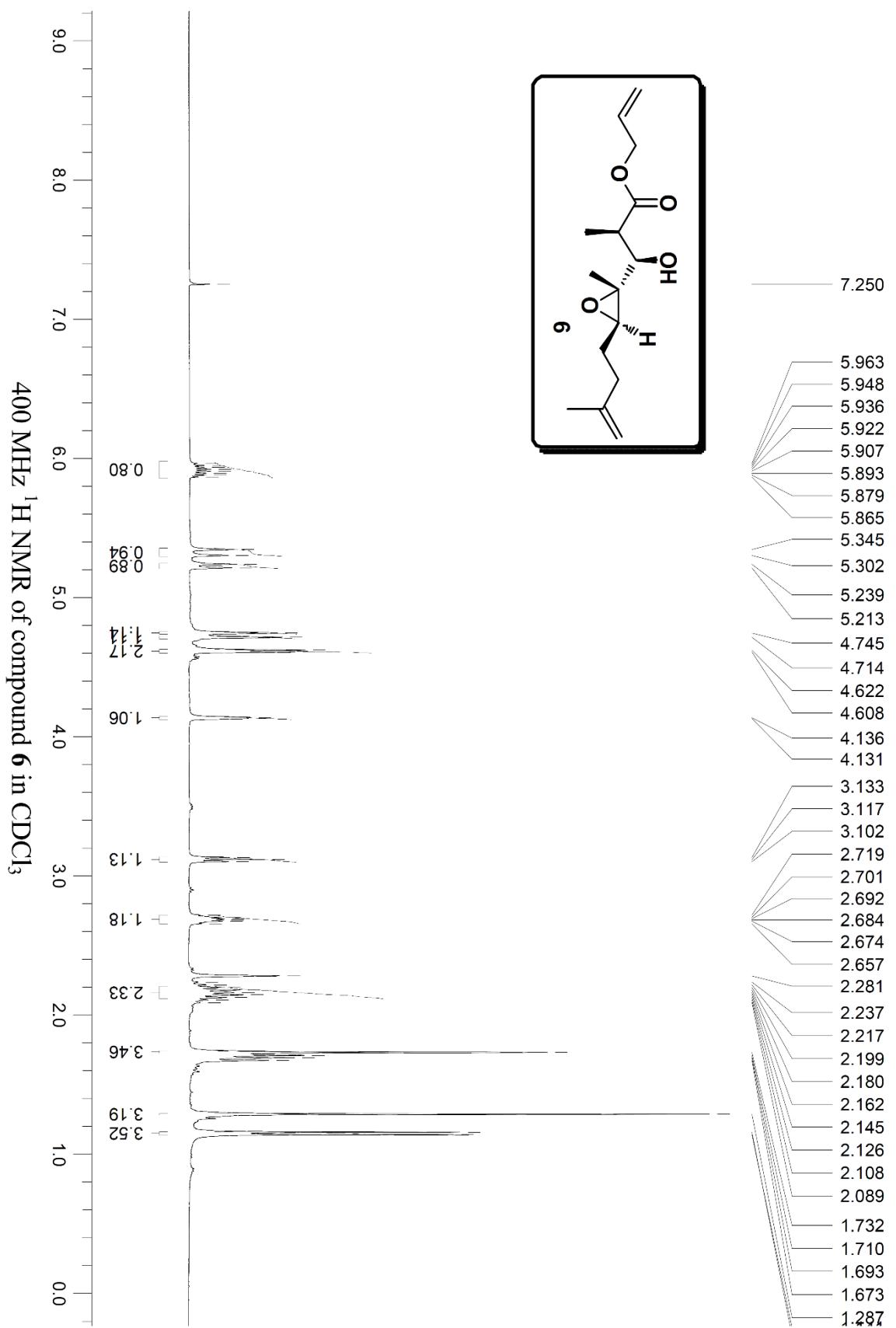
^bDepartment of Chemistry, University of Sussex, Brighton, Sussex, BN1 9QJ, United Kingdom.

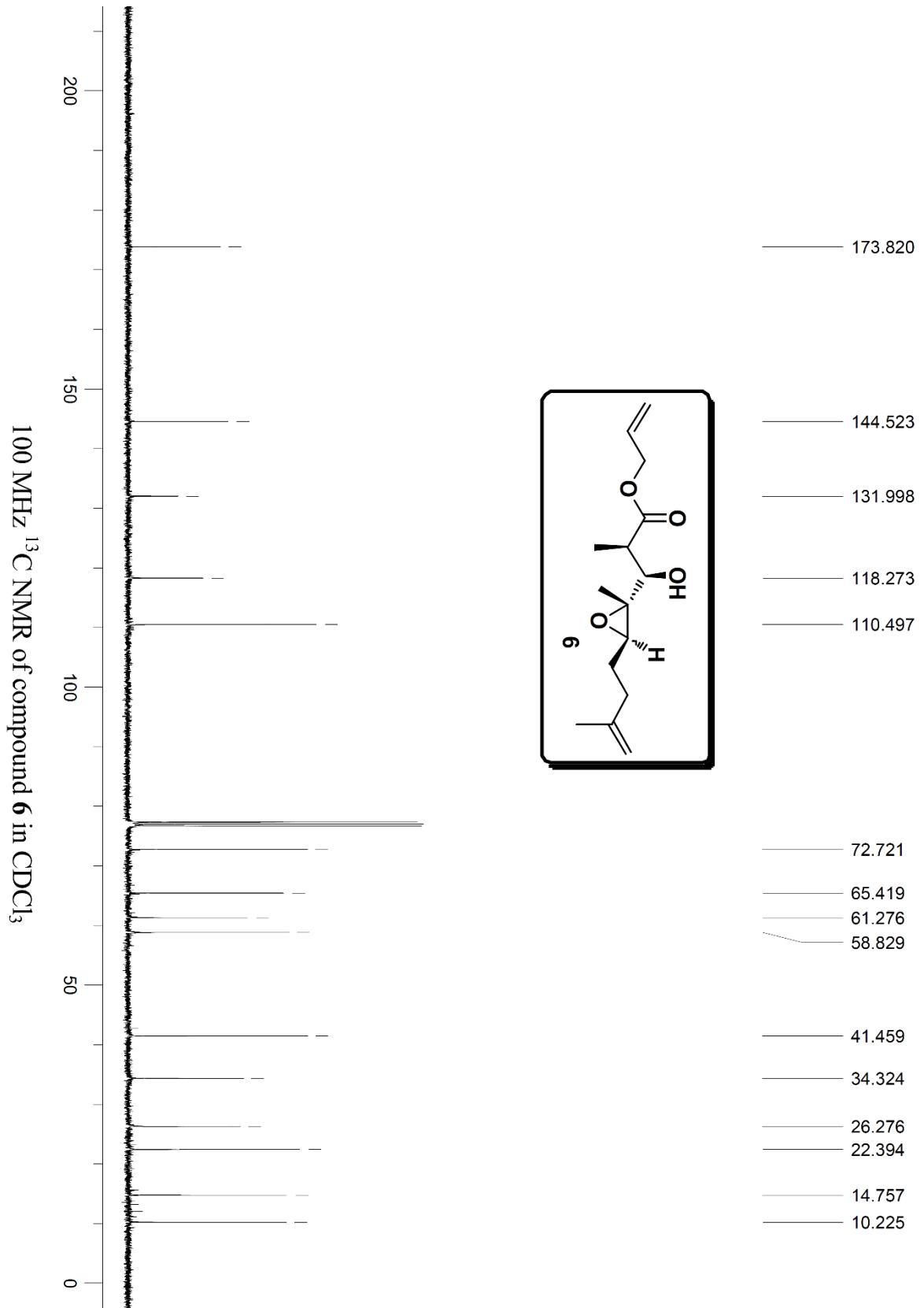
j.r.hanson@sussex.ac.uk

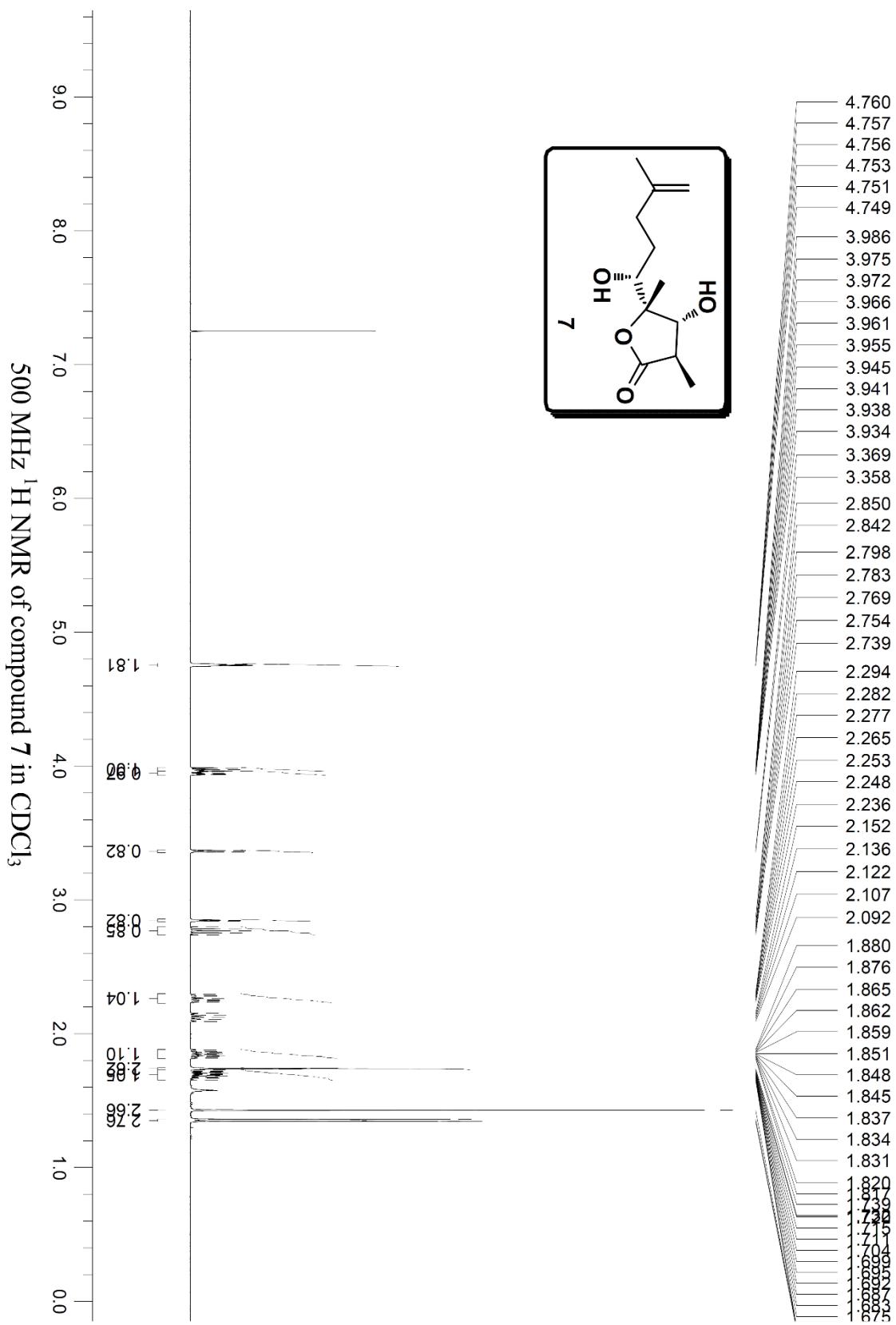
Table of contents:

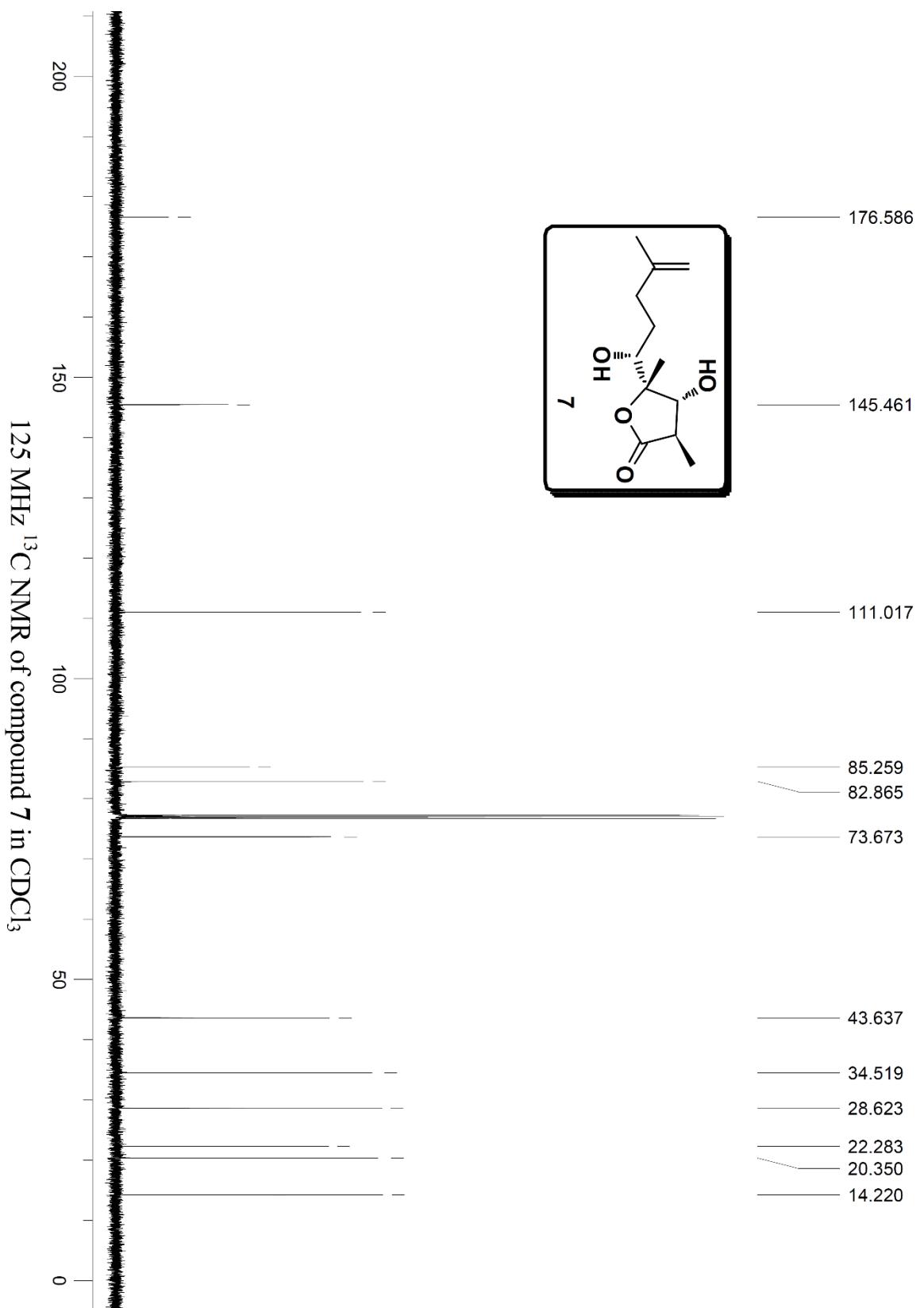
¹ H and ¹³ C spectrum of compound 6	S3-4
¹ H and ¹³ C spectrum of compound 7	S5-6
¹ H and ¹³ C spectrum of compound (<i>Z</i>)- 8	S7-8
¹ H and ¹³ C spectrum of compound (<i>E</i>)- 8	S9-10
¹ H and ¹³ C spectrum of compound 10a	S11-12
¹ H and ¹³ C spectrum of compound 10b	S13-14
¹ H and ¹³ C spectrum of compound 11a	S15-16
¹ H and ¹³ C spectrum of compound 11b	S17-18
¹ H and ¹³ C spectrum of compound 12b	S19-20

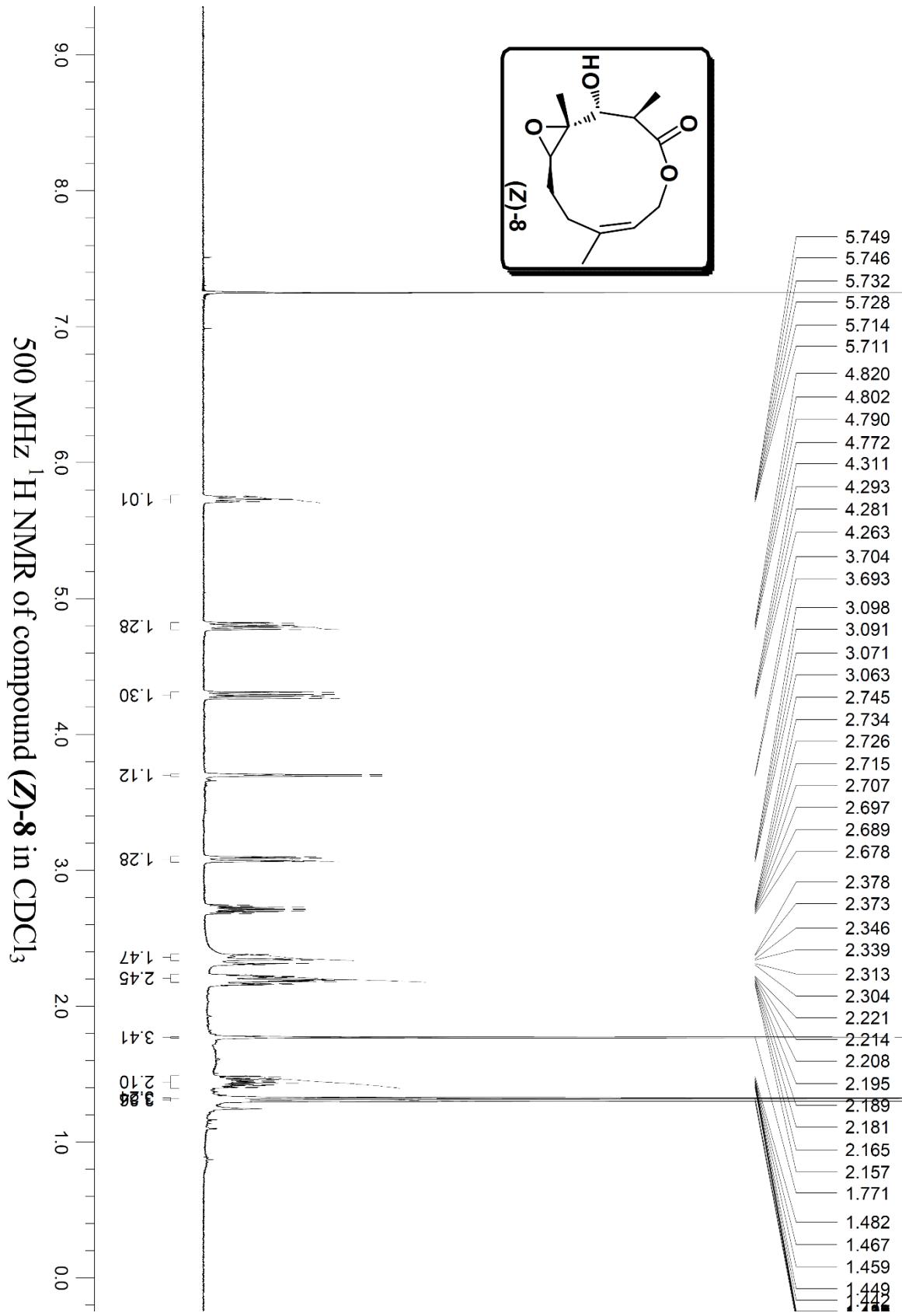
¹ H and ¹³ C spectrum of compound 13a	S21-22
¹ H and ¹³ C spectrum of compound 13b	S23-24
¹ H and ¹³ C spectrum of compound 14a	S25-26
¹ H and ¹³ C spectrum of compound 14b	S27-28
¹ H and ¹³ C spectrum of compound 15a	S29-30
¹ H and ¹³ C spectrum of compound 15b	S31-32
¹ H and ¹³ C spectrum of compound 16a	S33-34
¹ H and ¹³ C spectrum of compound 16b	S35-36
¹ H and ¹³ C spectrum of compound 17a	S37-38
¹ H and ¹³ C spectrum of compound 17b	S39-40
¹ H and ¹³ C spectrum of compound 19a	S41-42
¹ H and ¹³ C spectrum of compound 19b	S43-44
¹ H and ¹³ C spectrum of compound 20a	S45-46
¹ H and ¹³ C spectrum of compound 20b	S47-48
¹ H and ¹³ C spectrum of compound 22	S49-50
¹ H and ¹³ C spectrum of compound 23	S51-52
¹ H and ¹³ C spectrum of compound 24	S53-54
¹ H and ¹³ C spectrum of compound 25	S55-56
¹ H and ¹³ C spectrum of compound 26a	S57-58
g-HMBC spectrum of compound 26a	S59

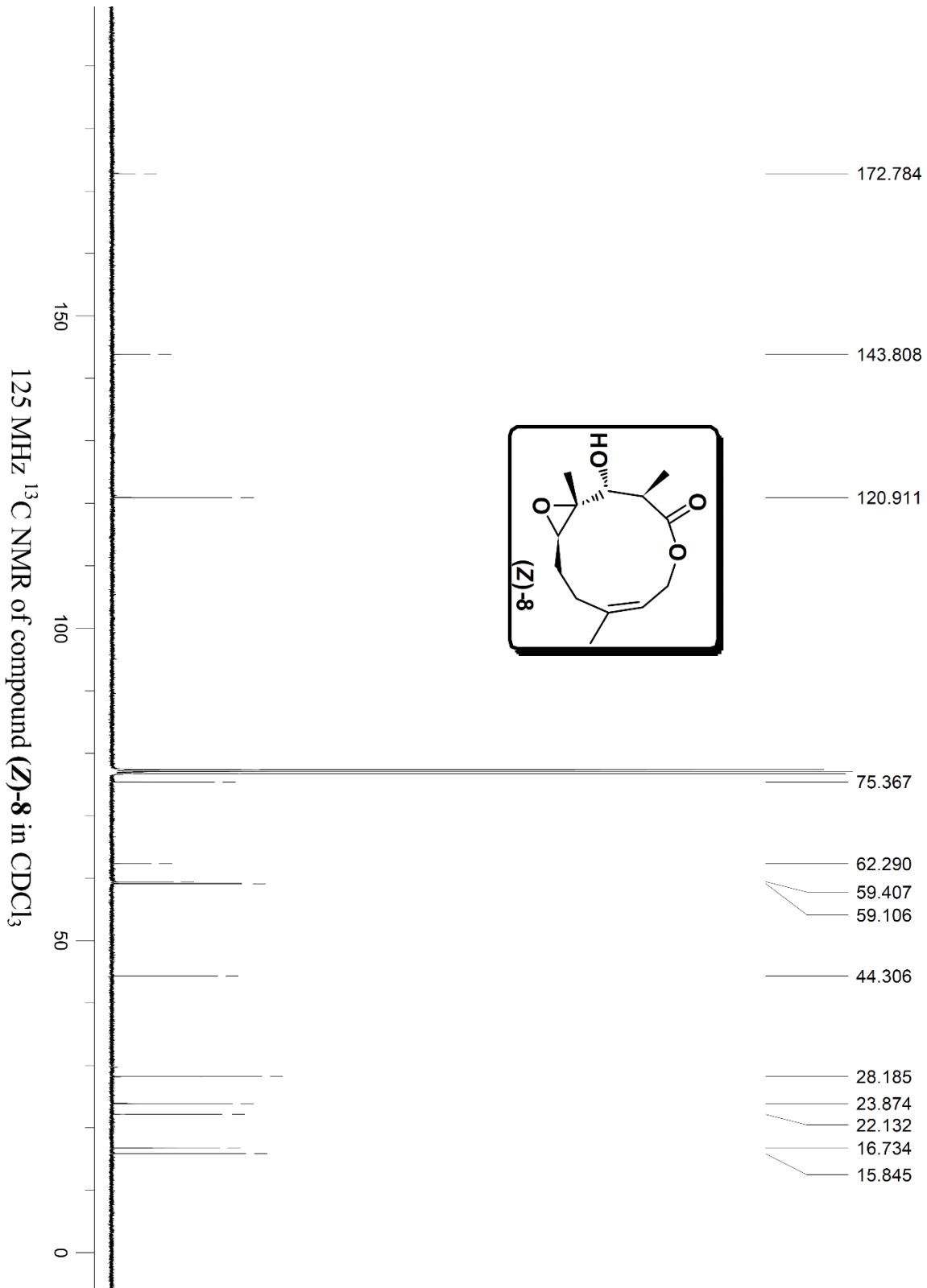


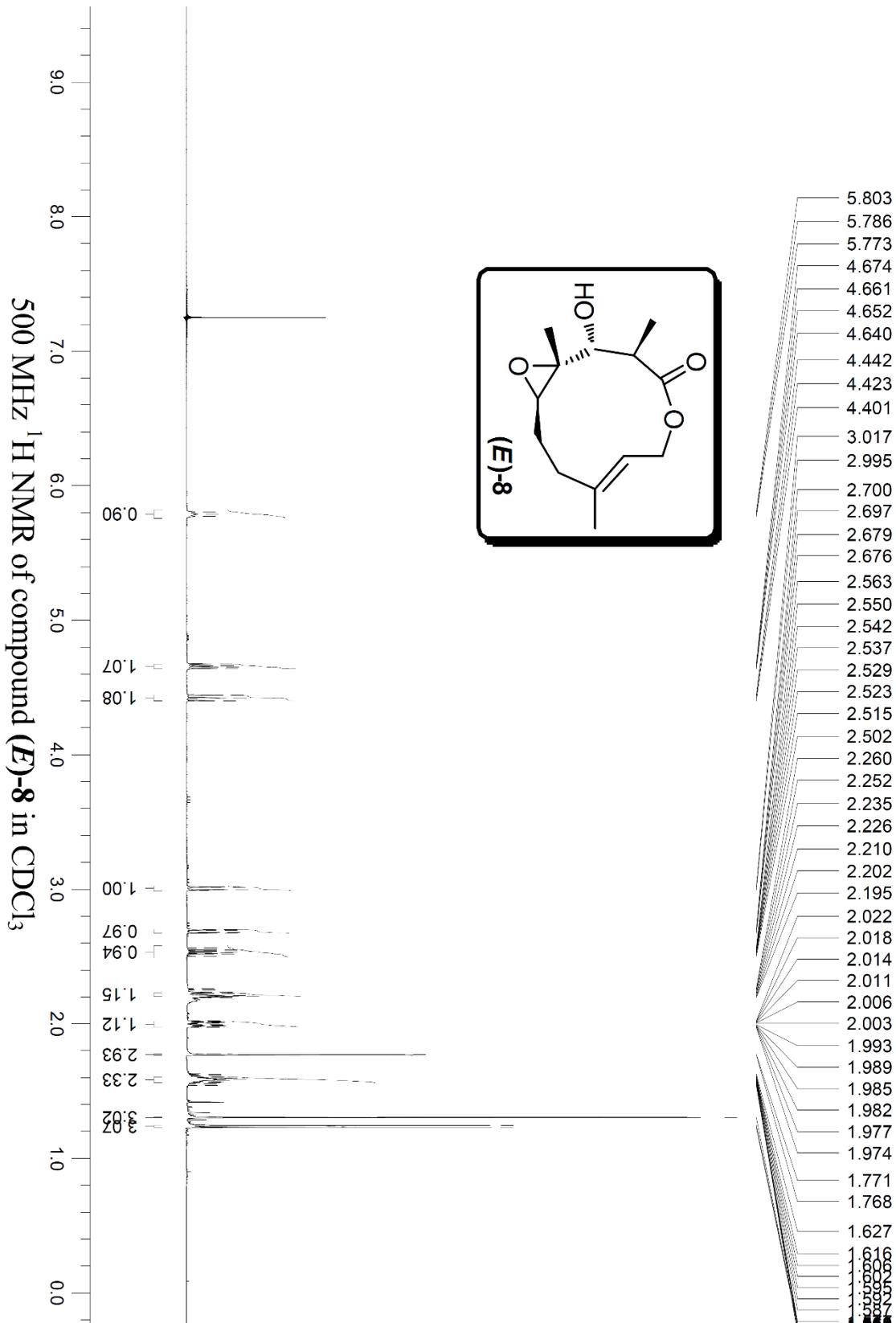


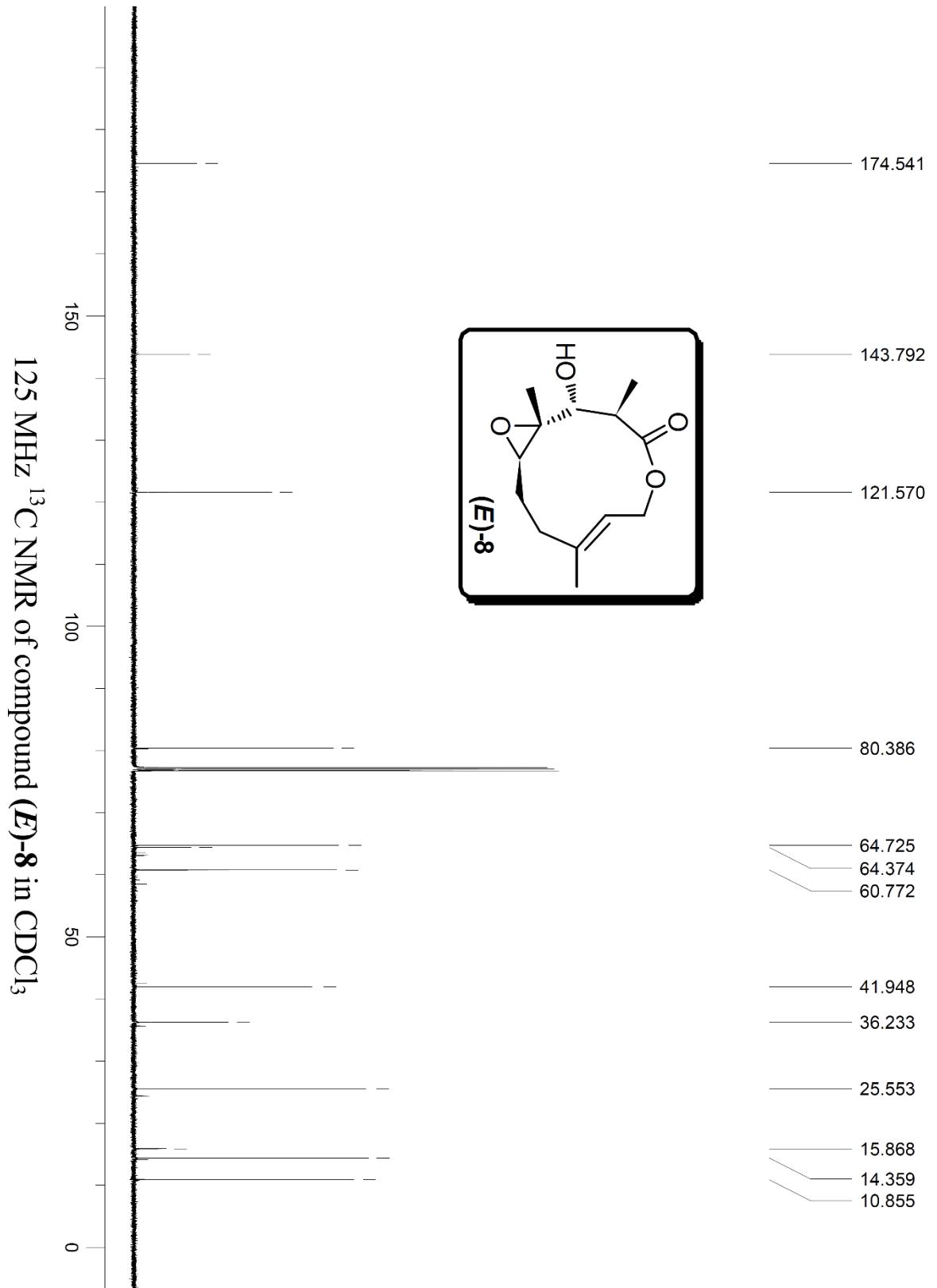


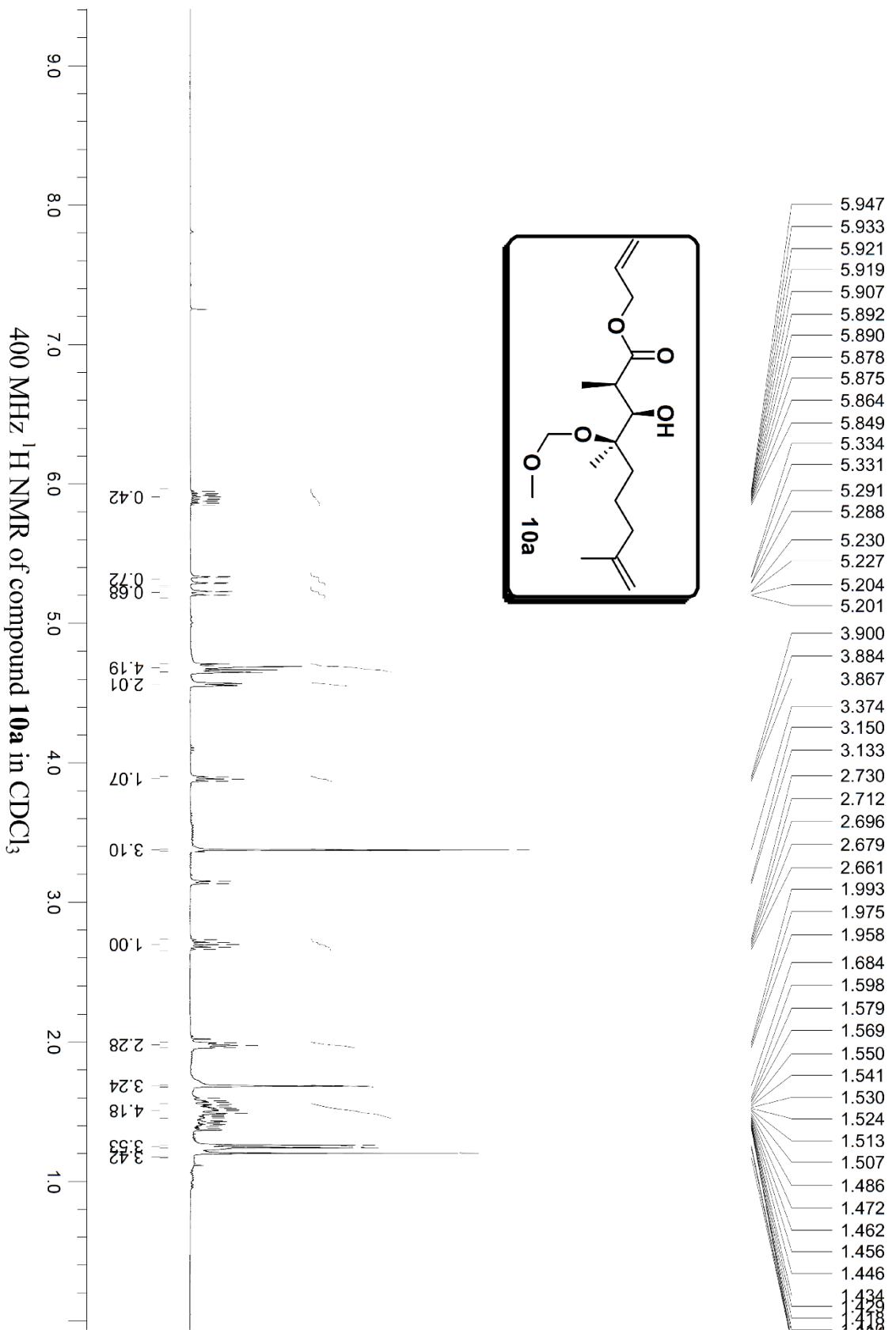


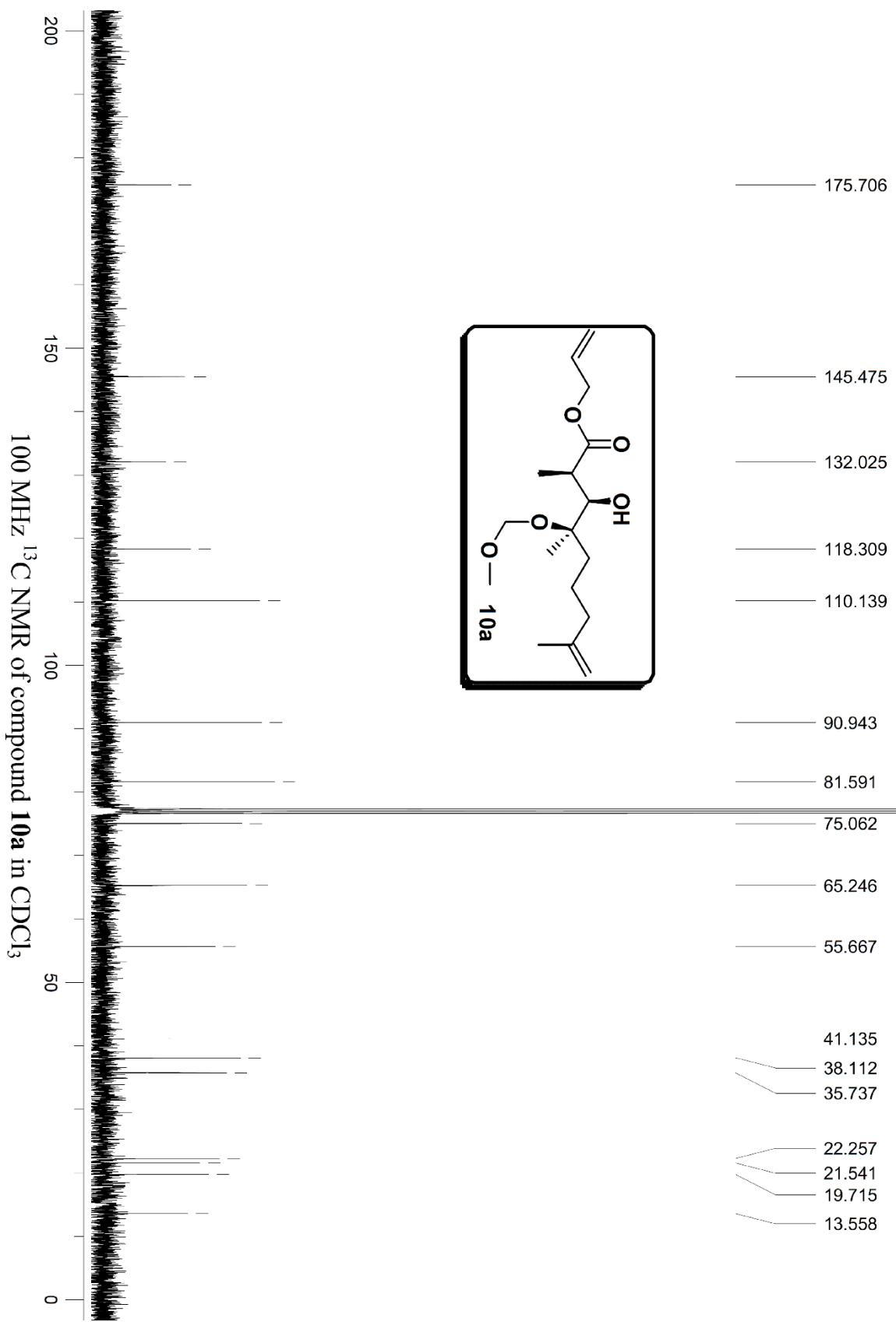


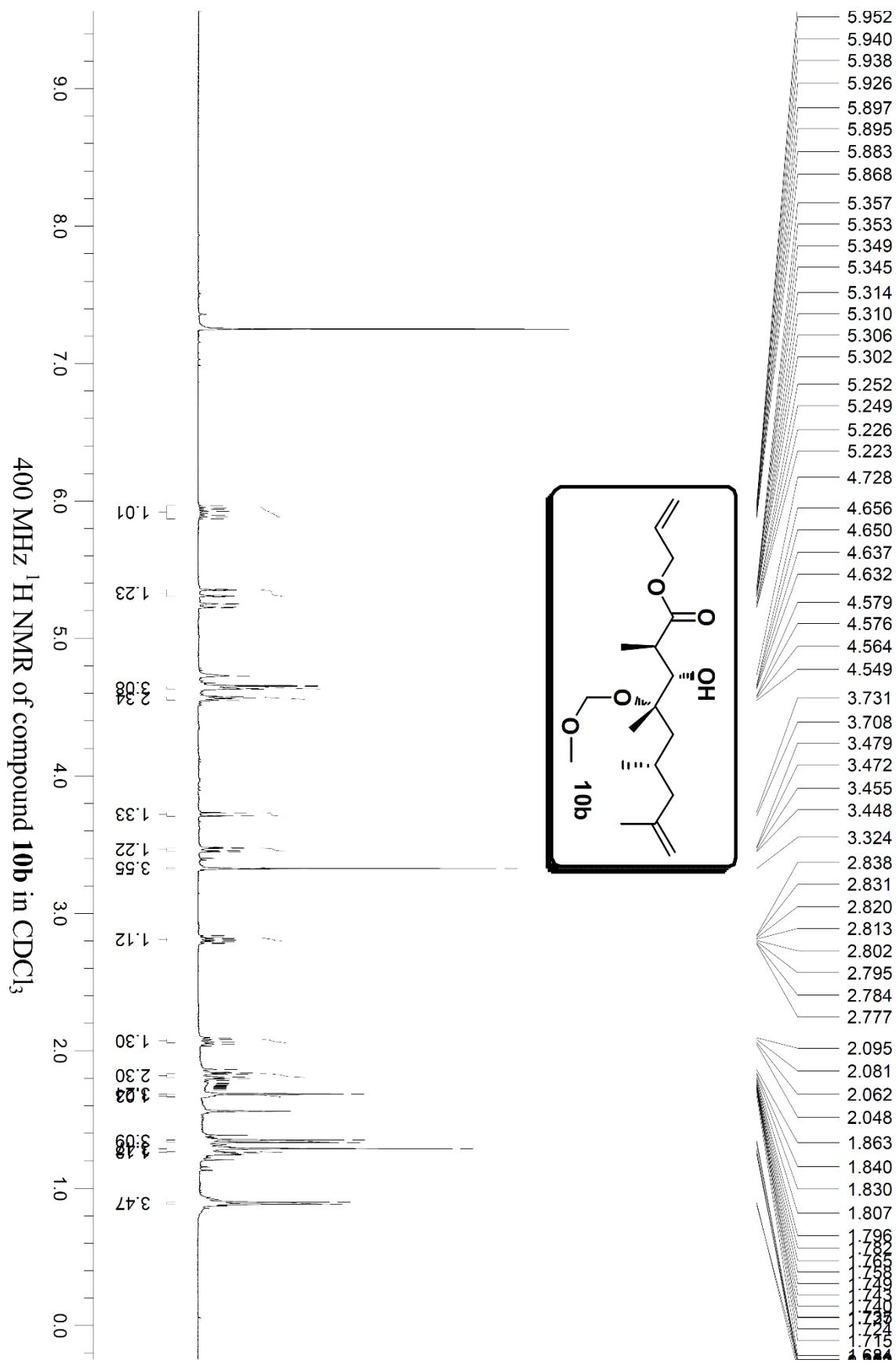


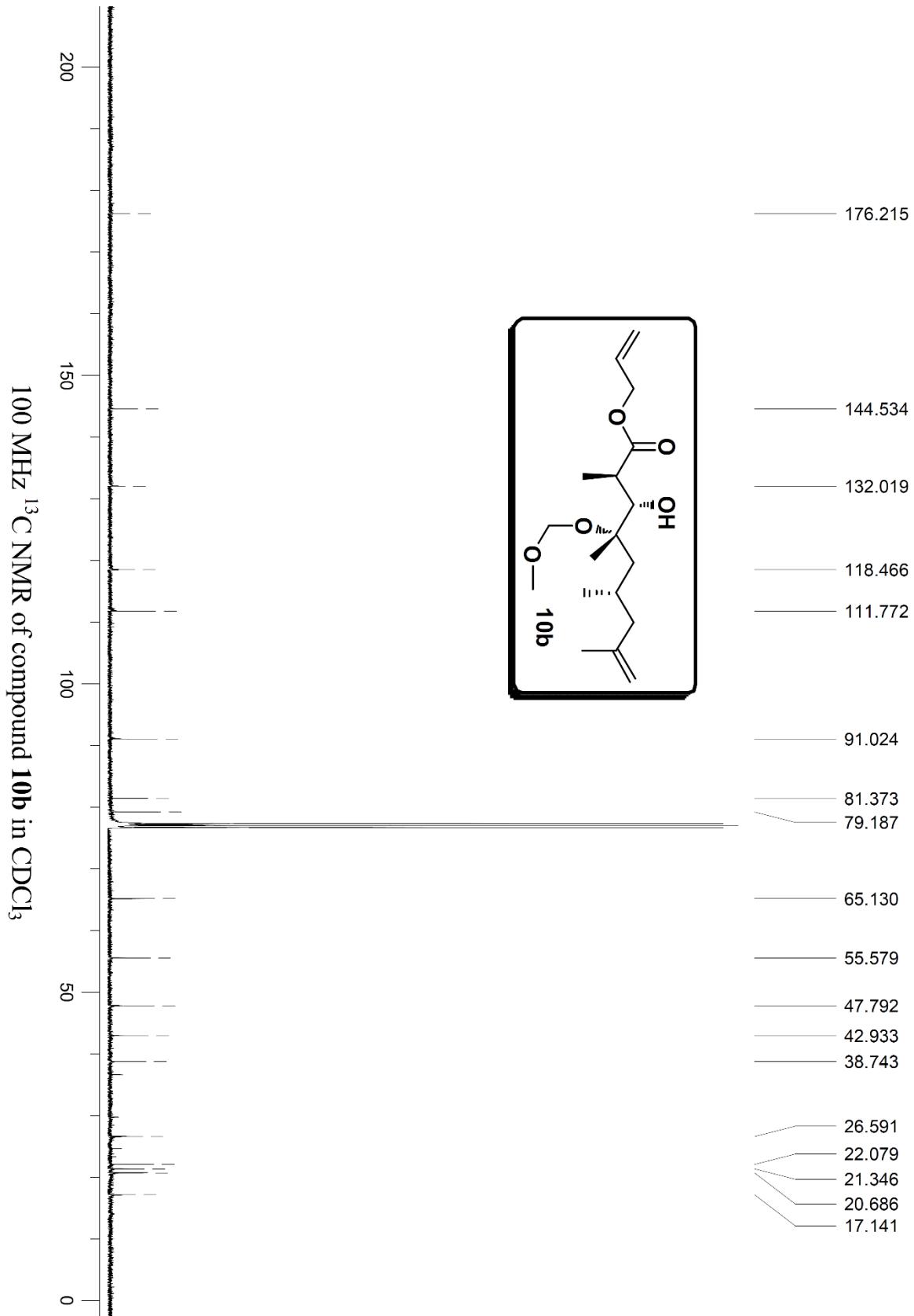




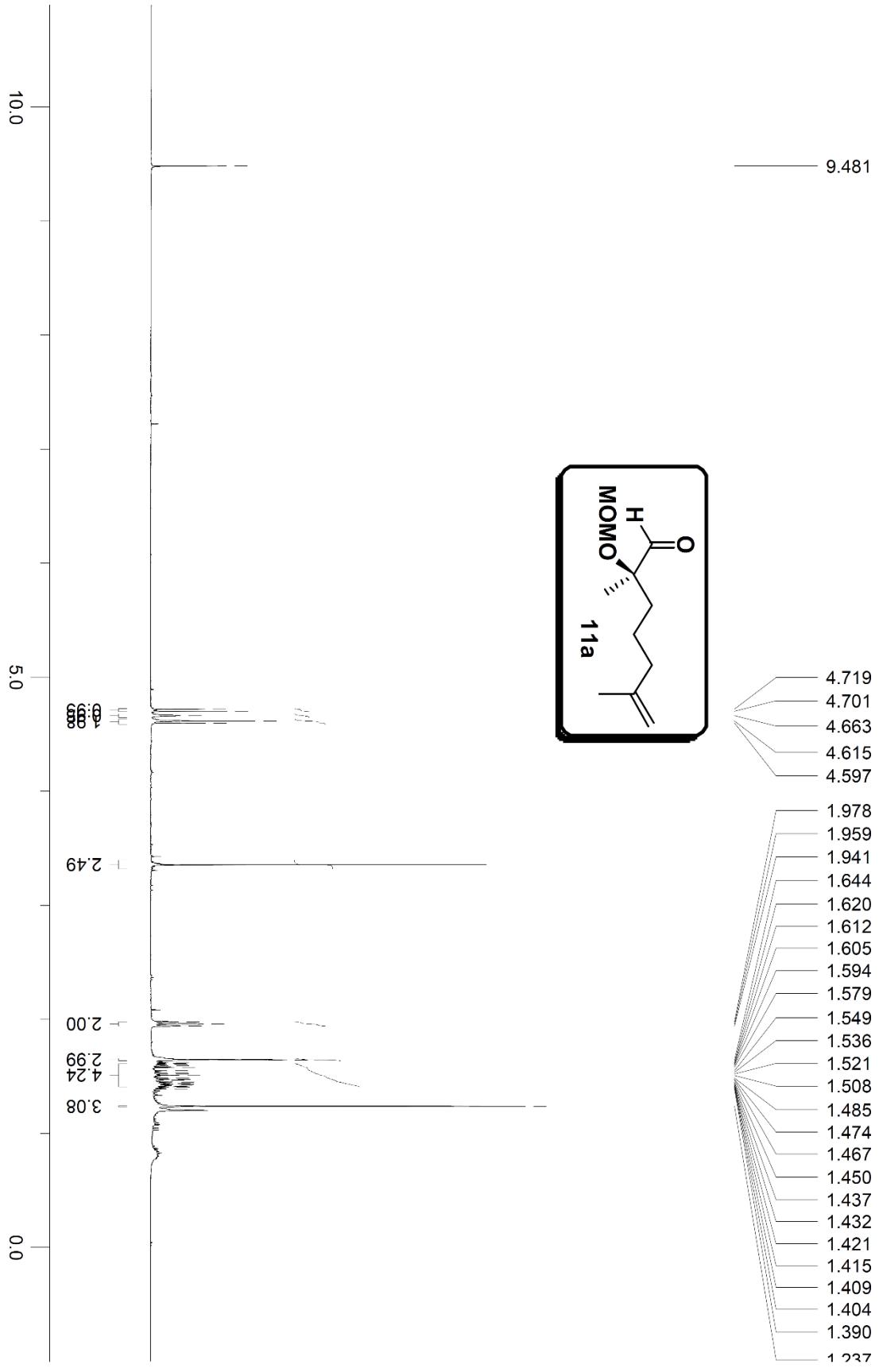


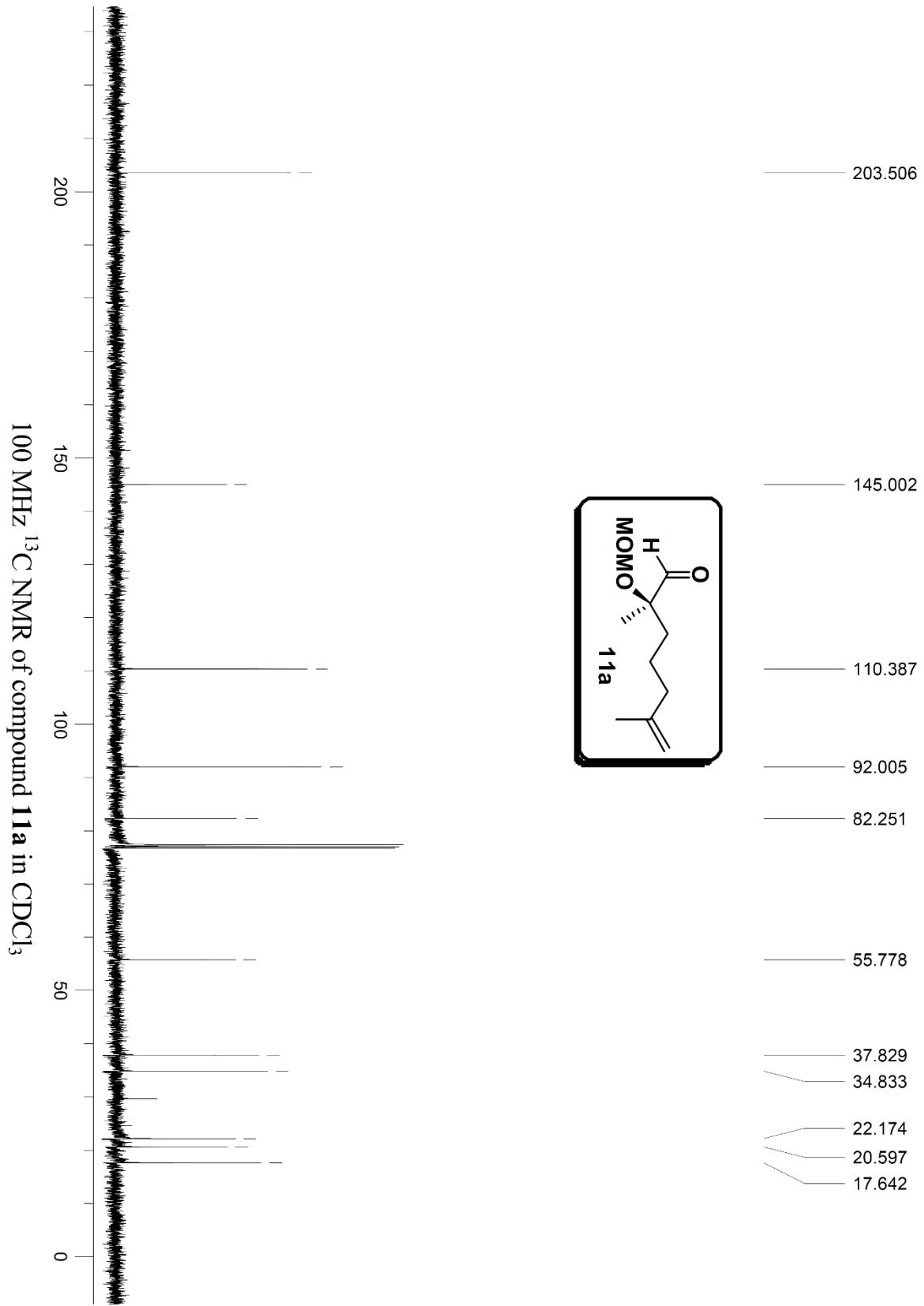


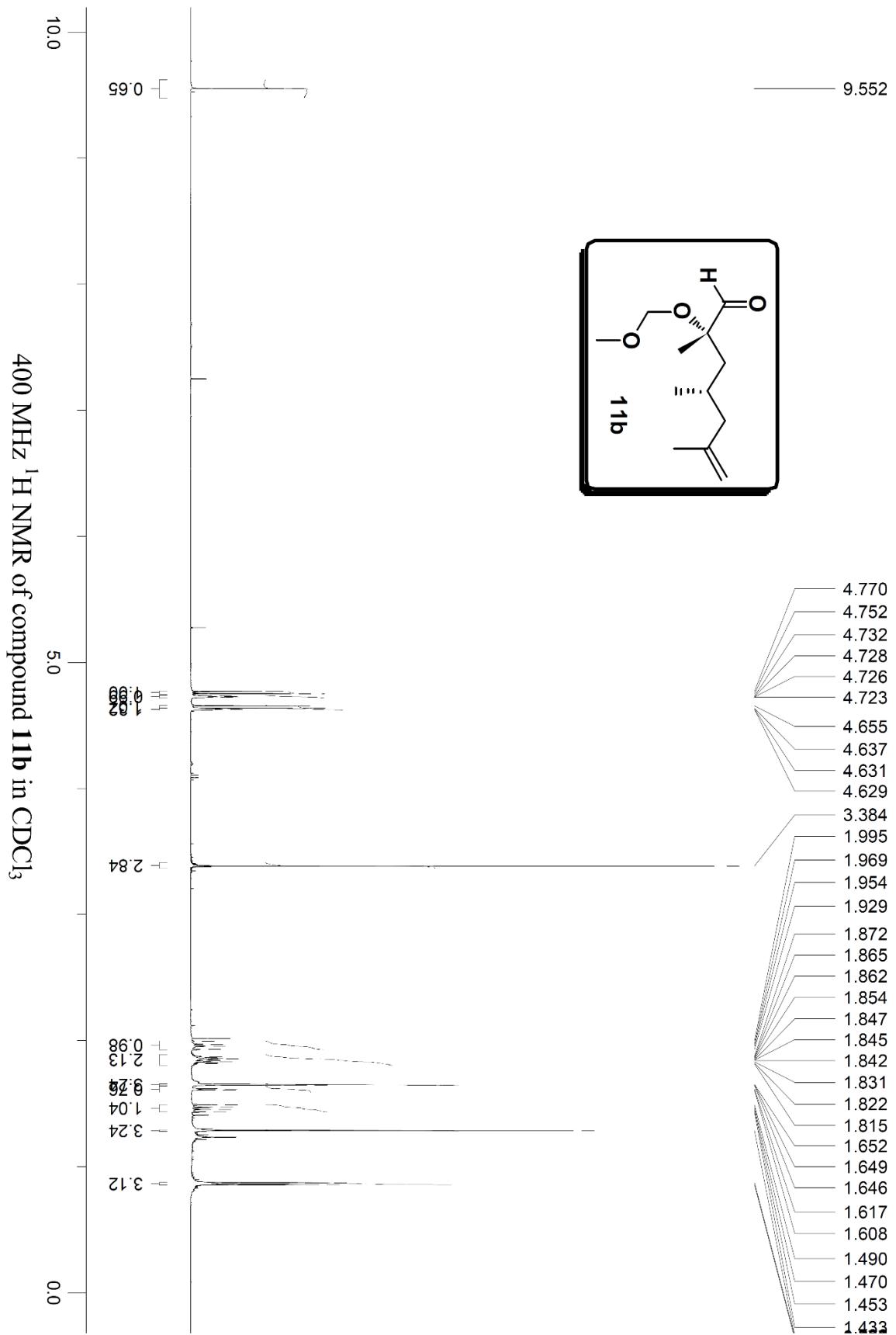


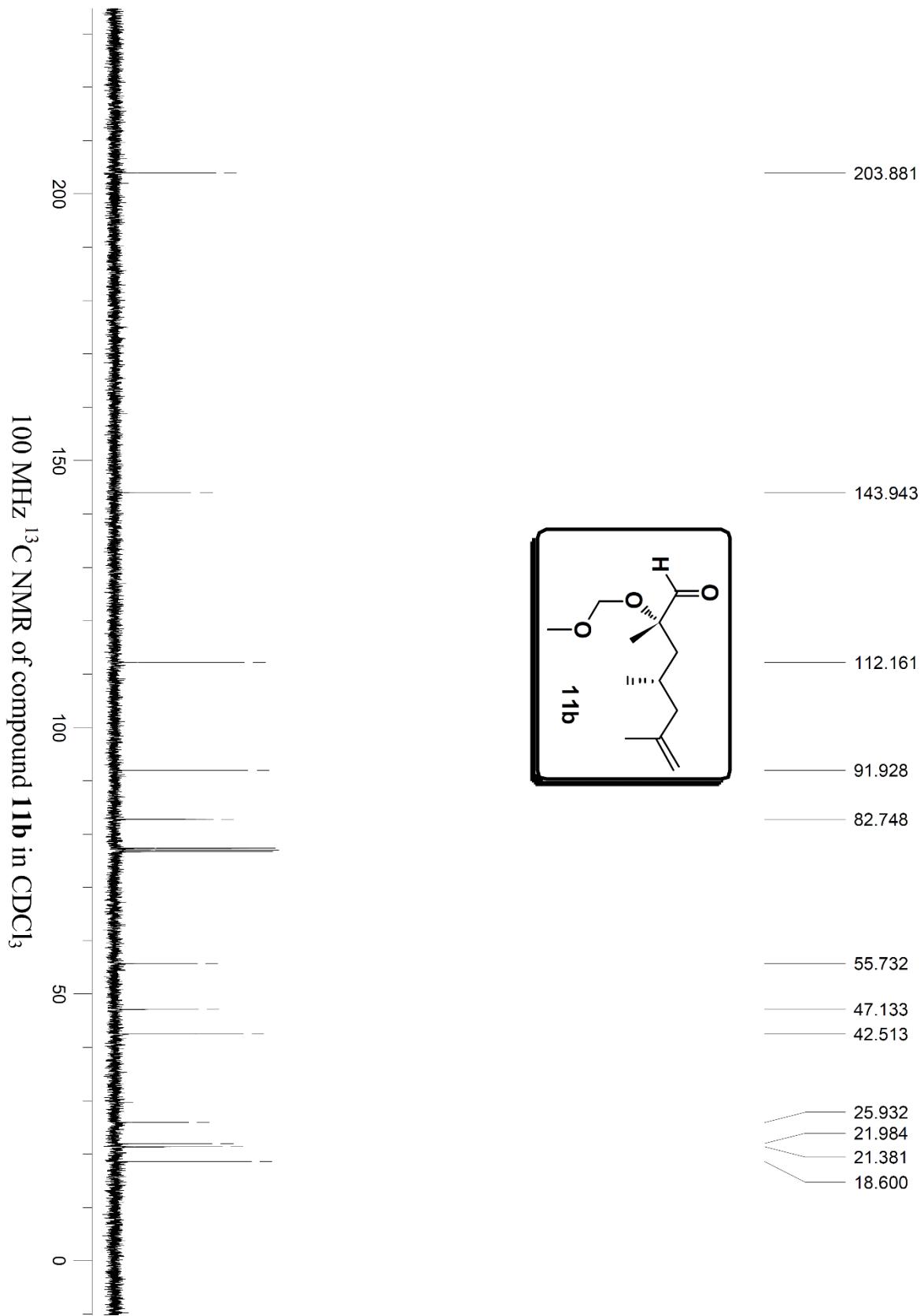


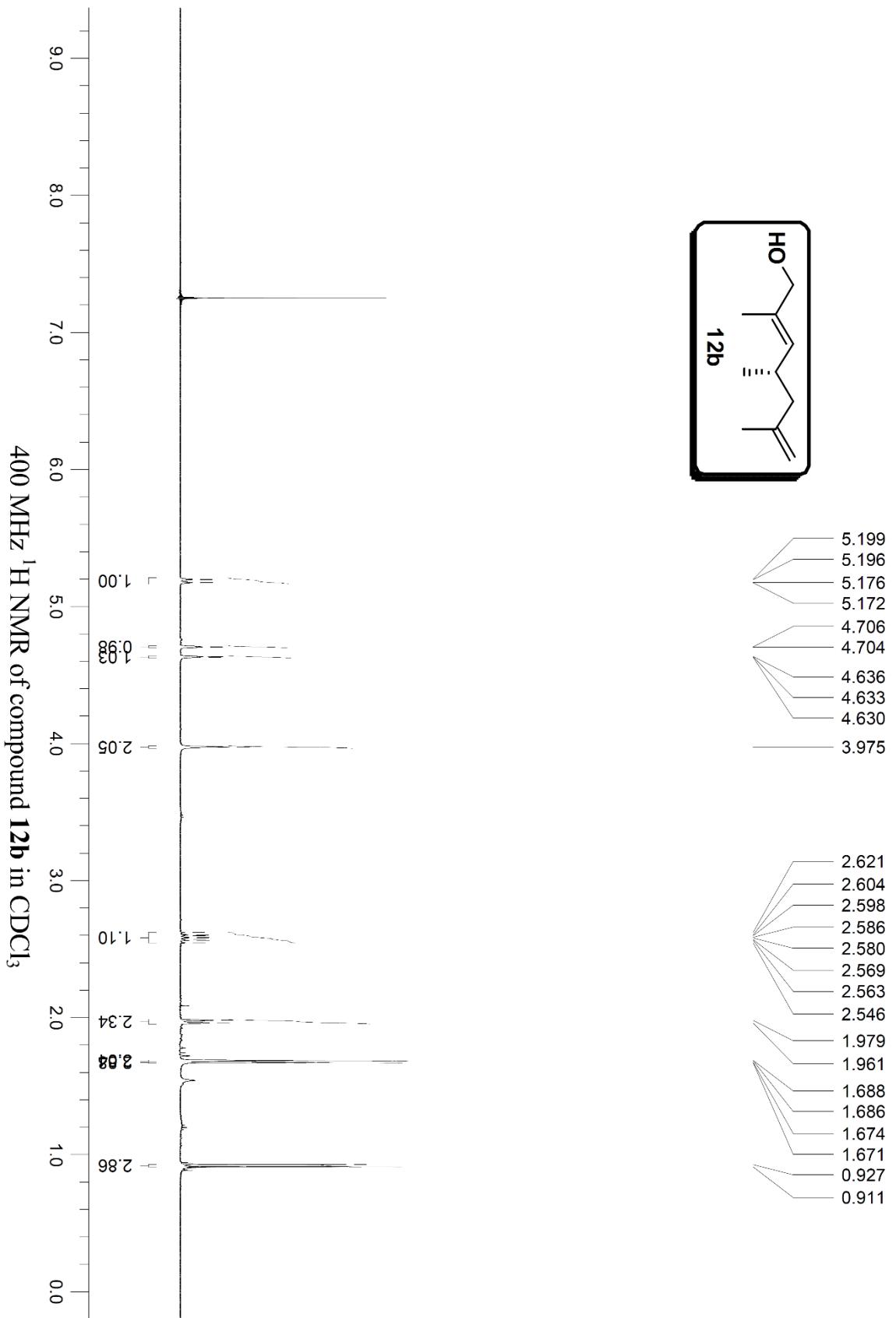
400 MHz ^1H NMR of compound **11a** in CDCl_3

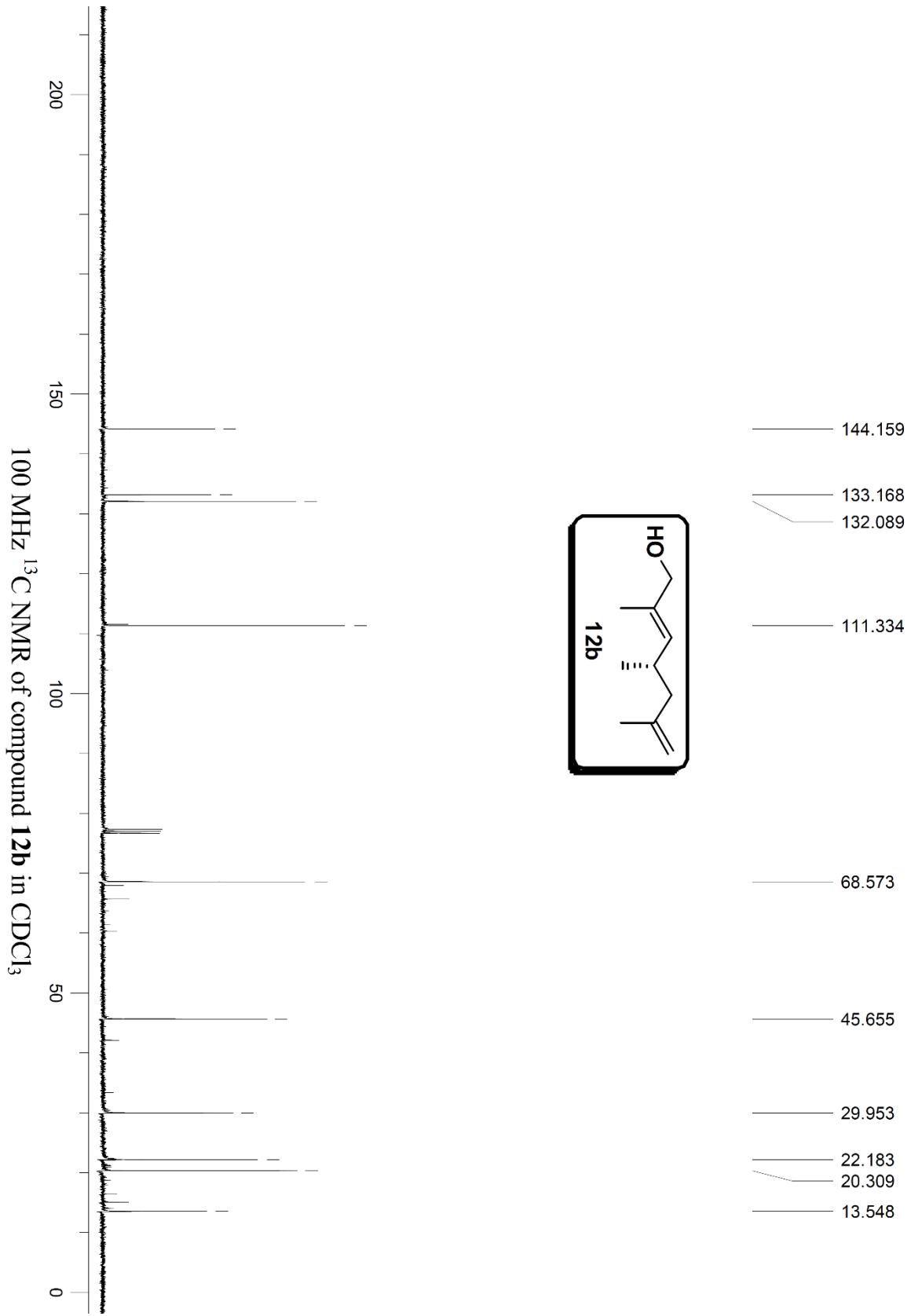


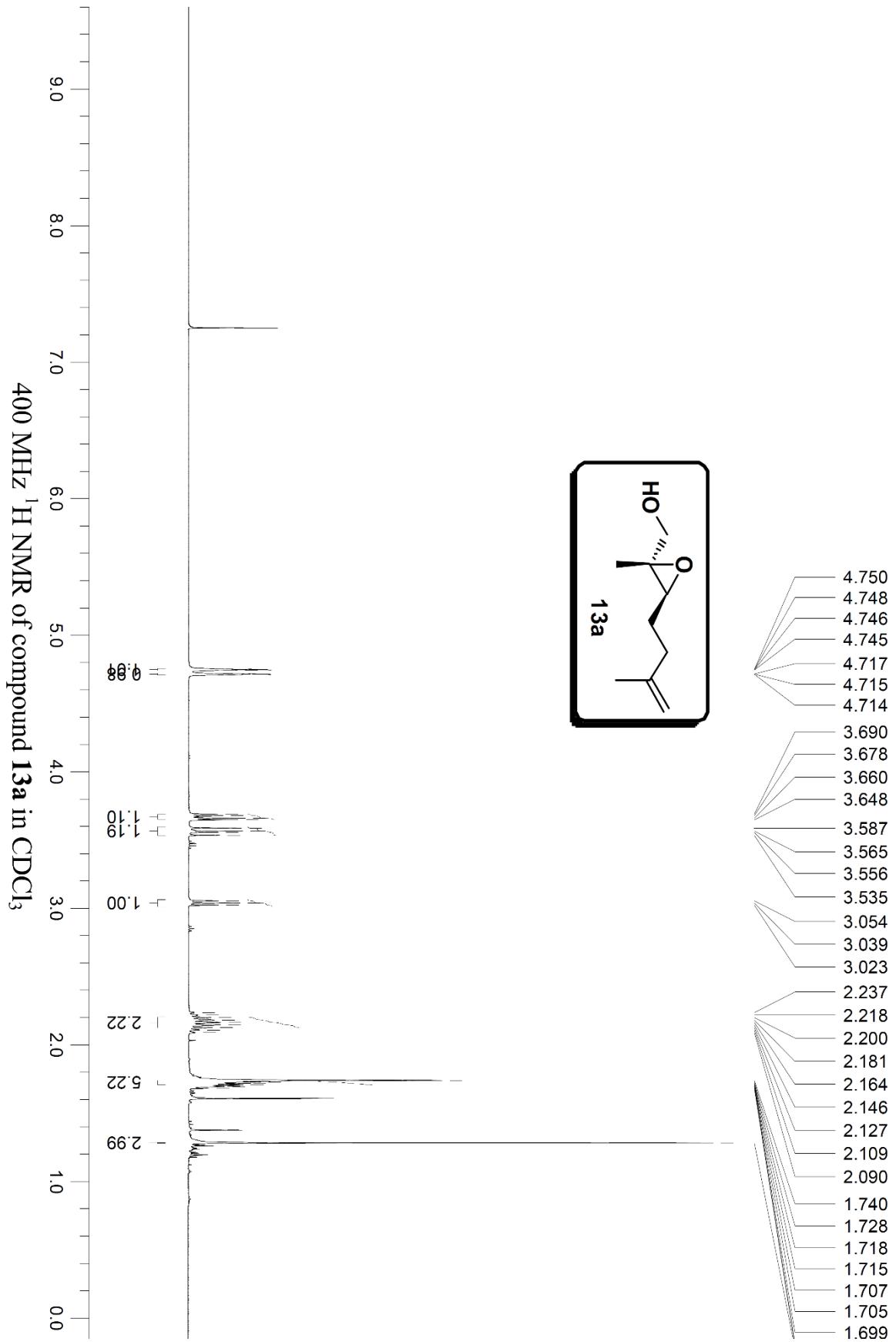


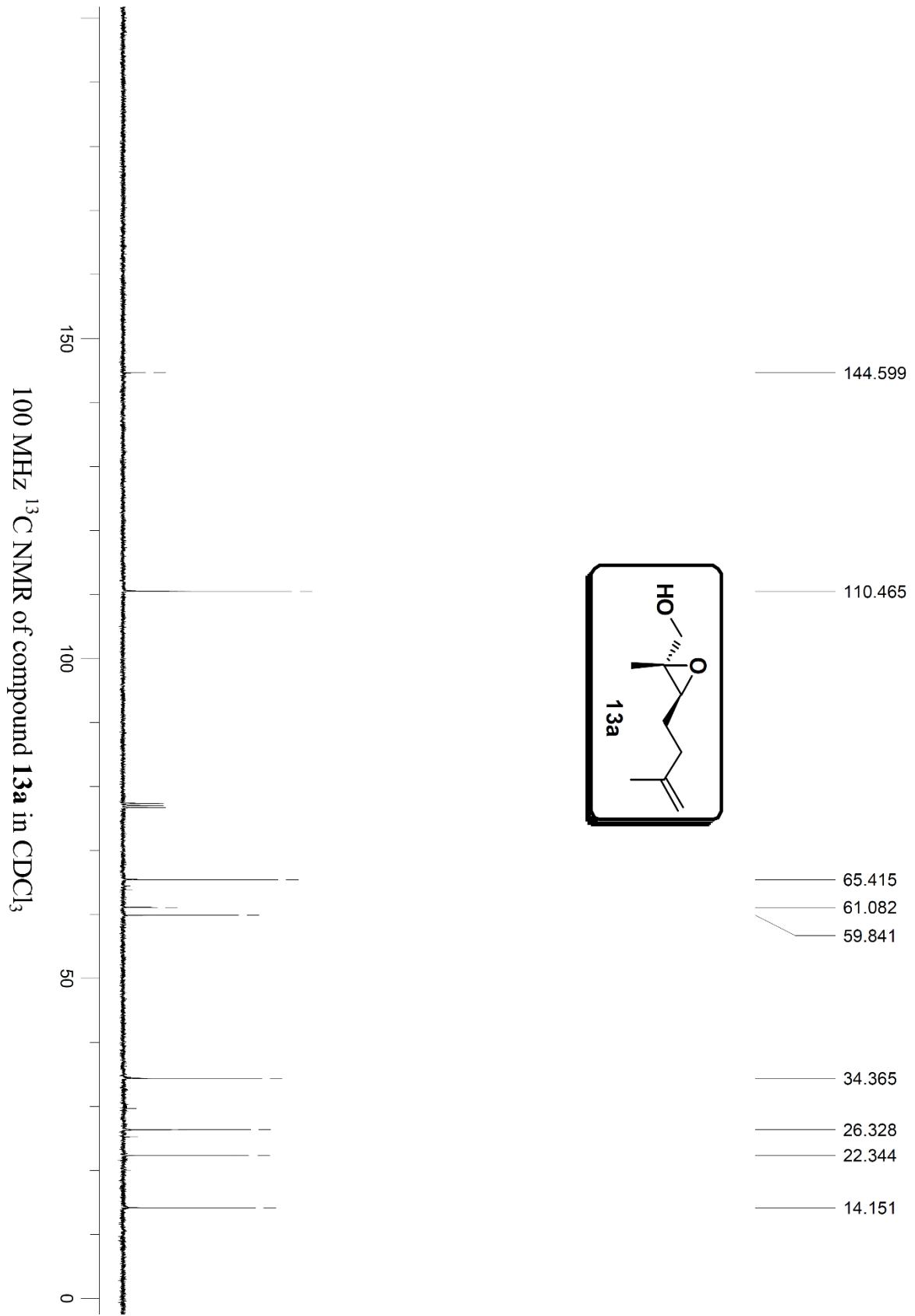


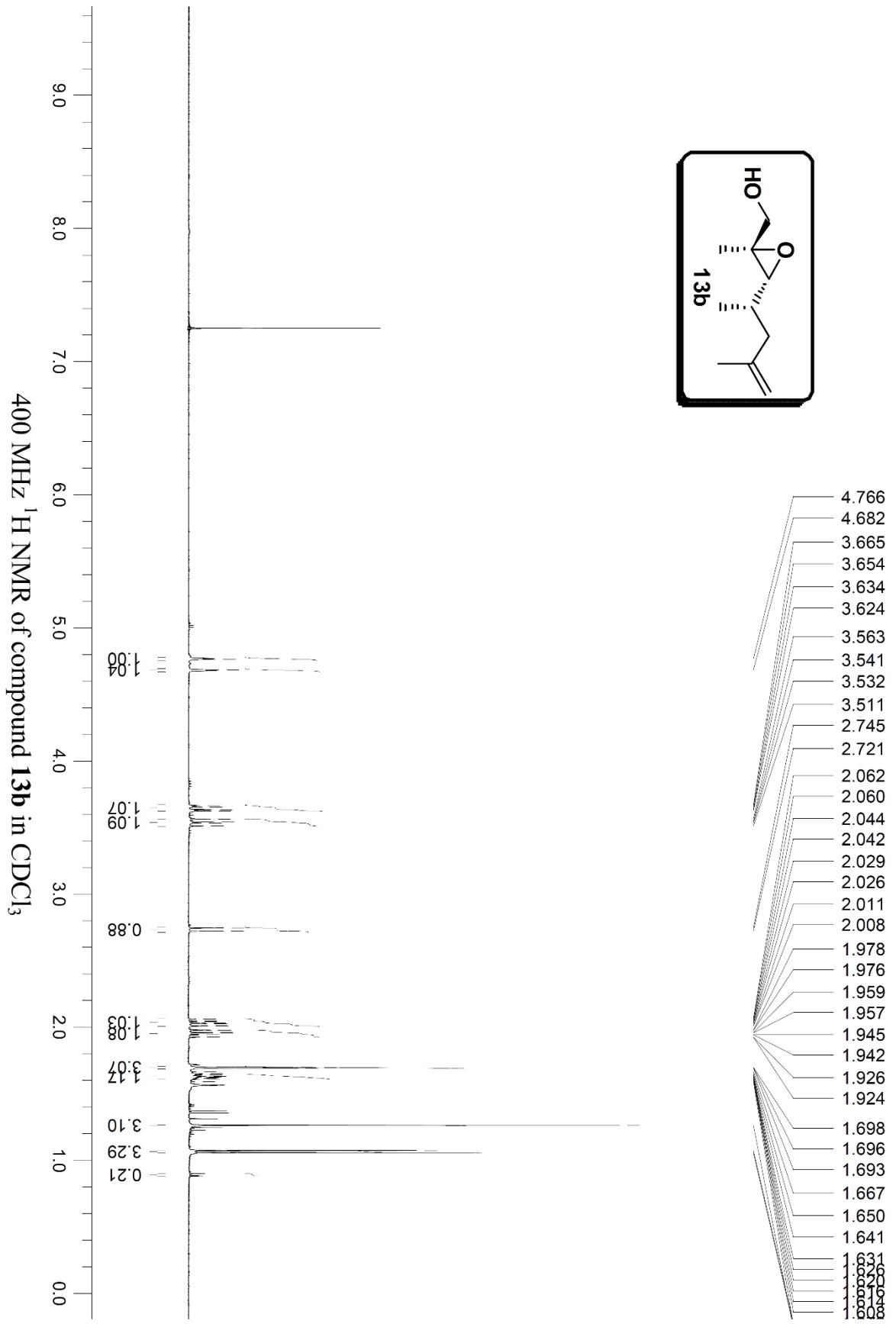


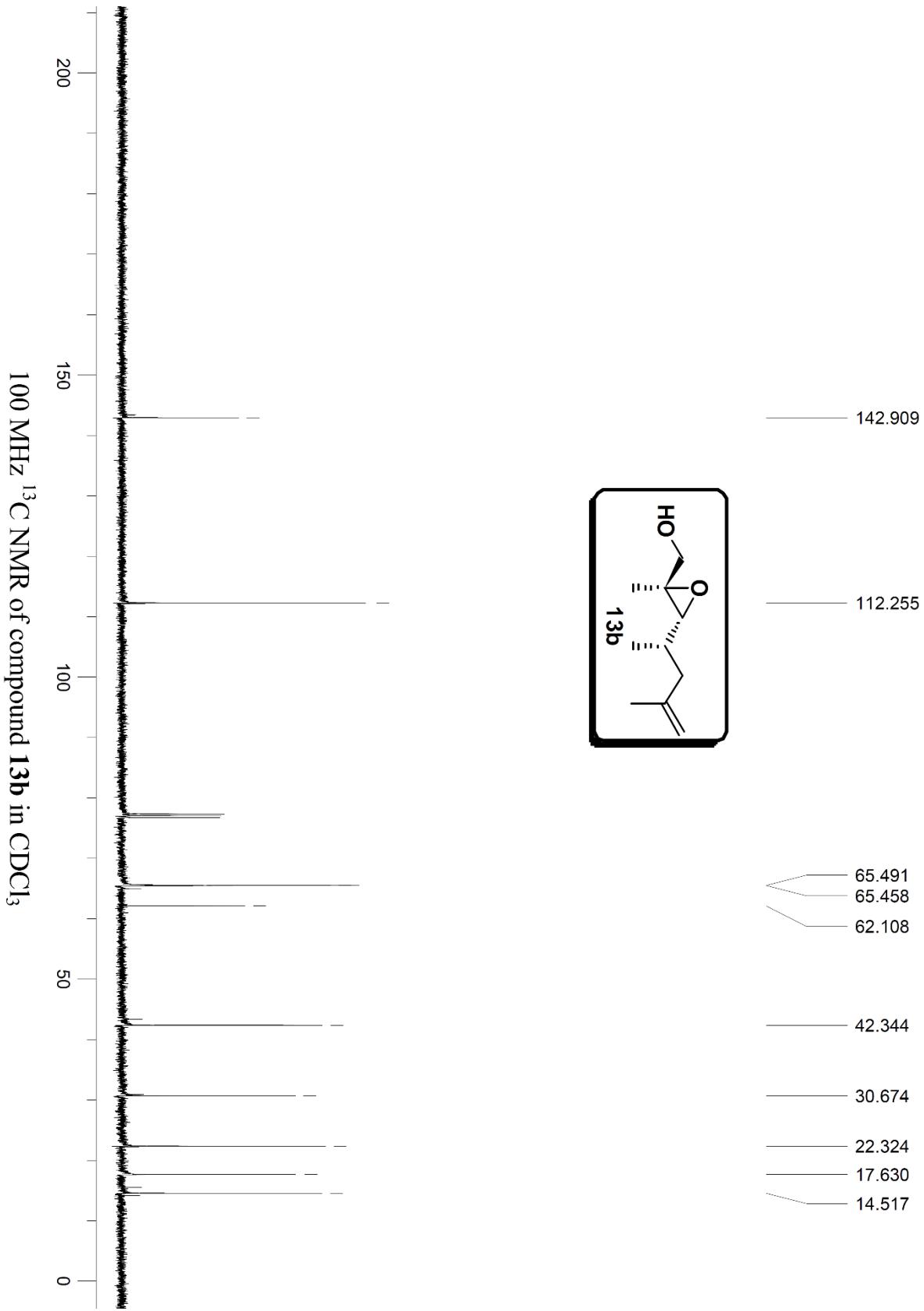


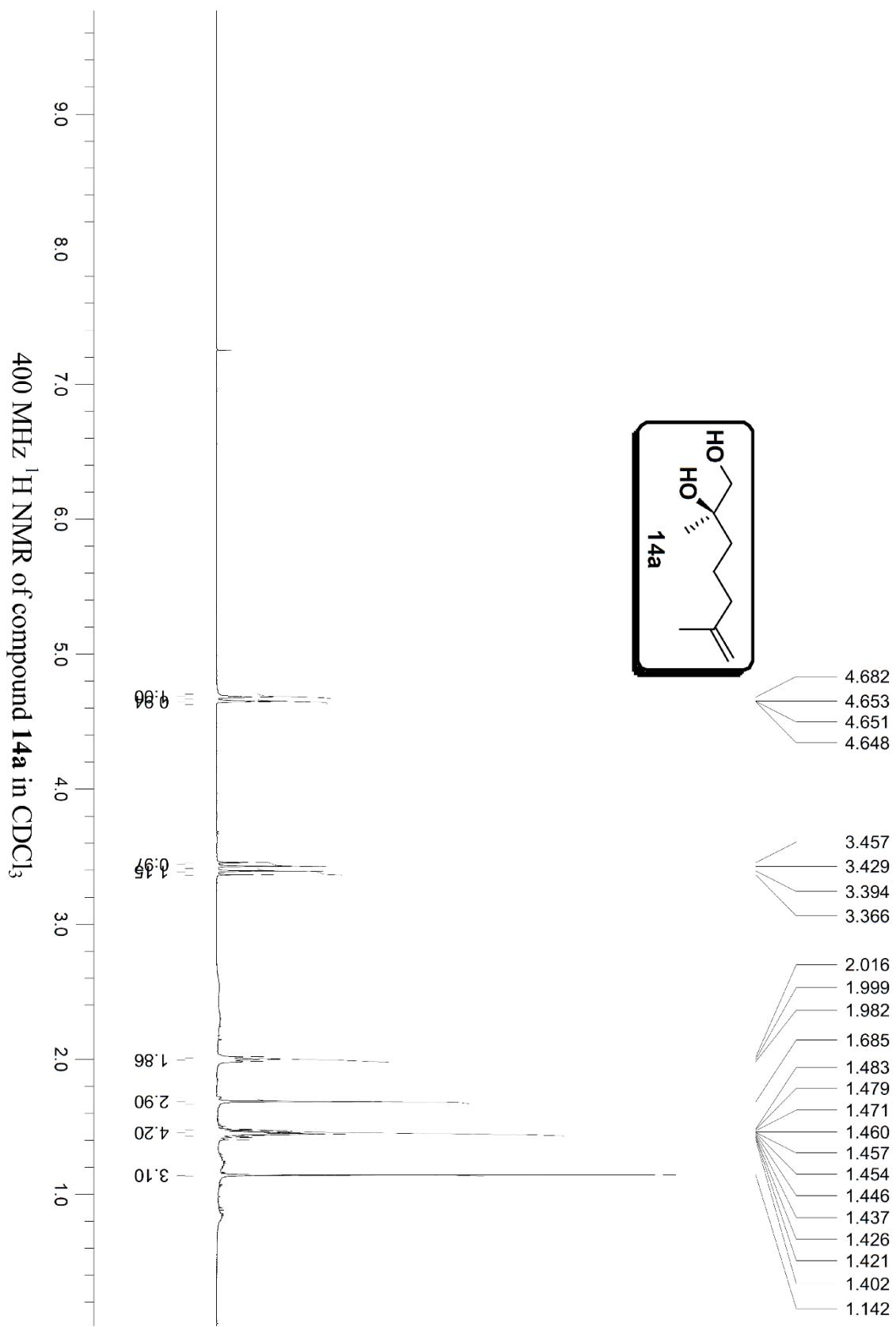


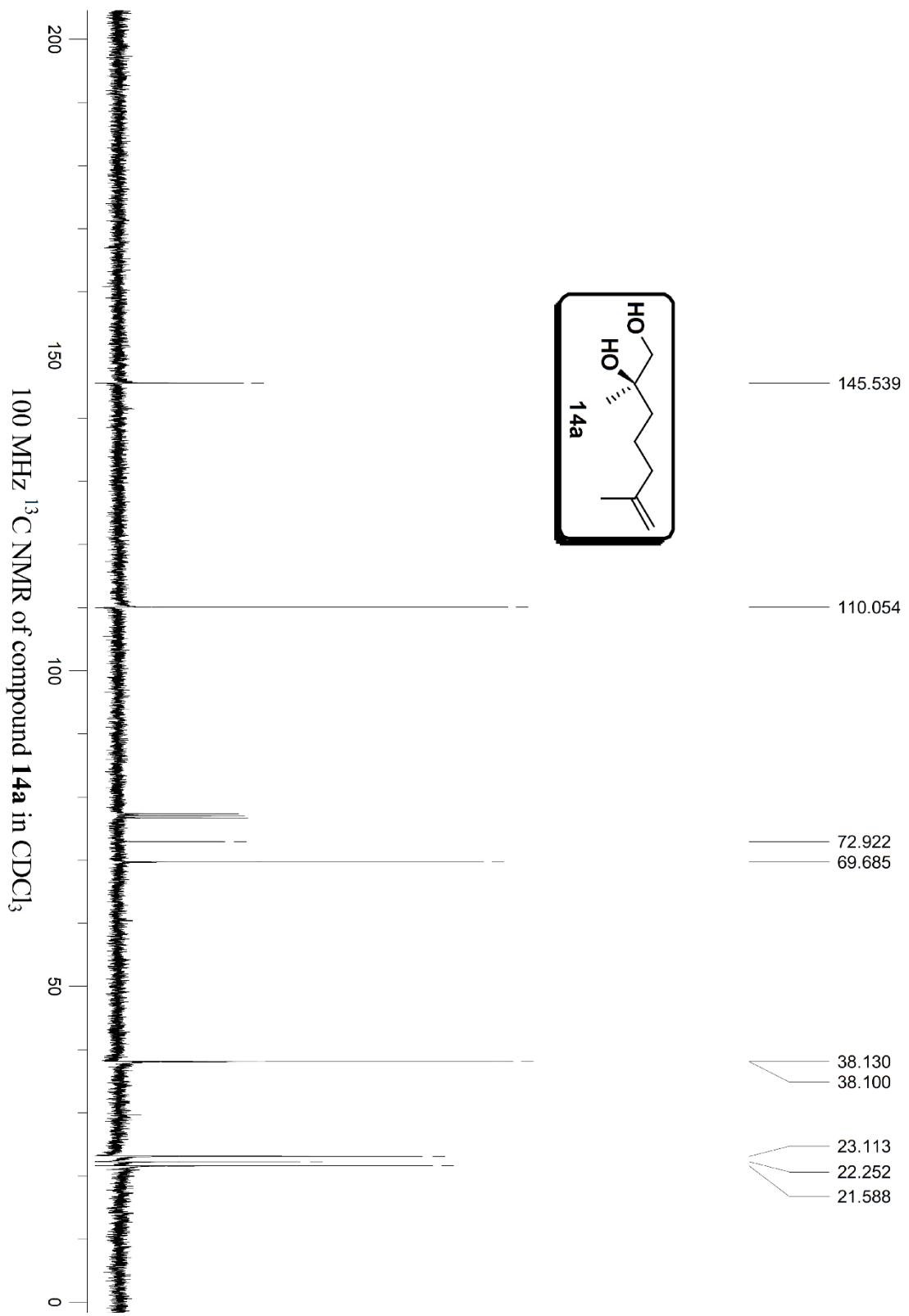


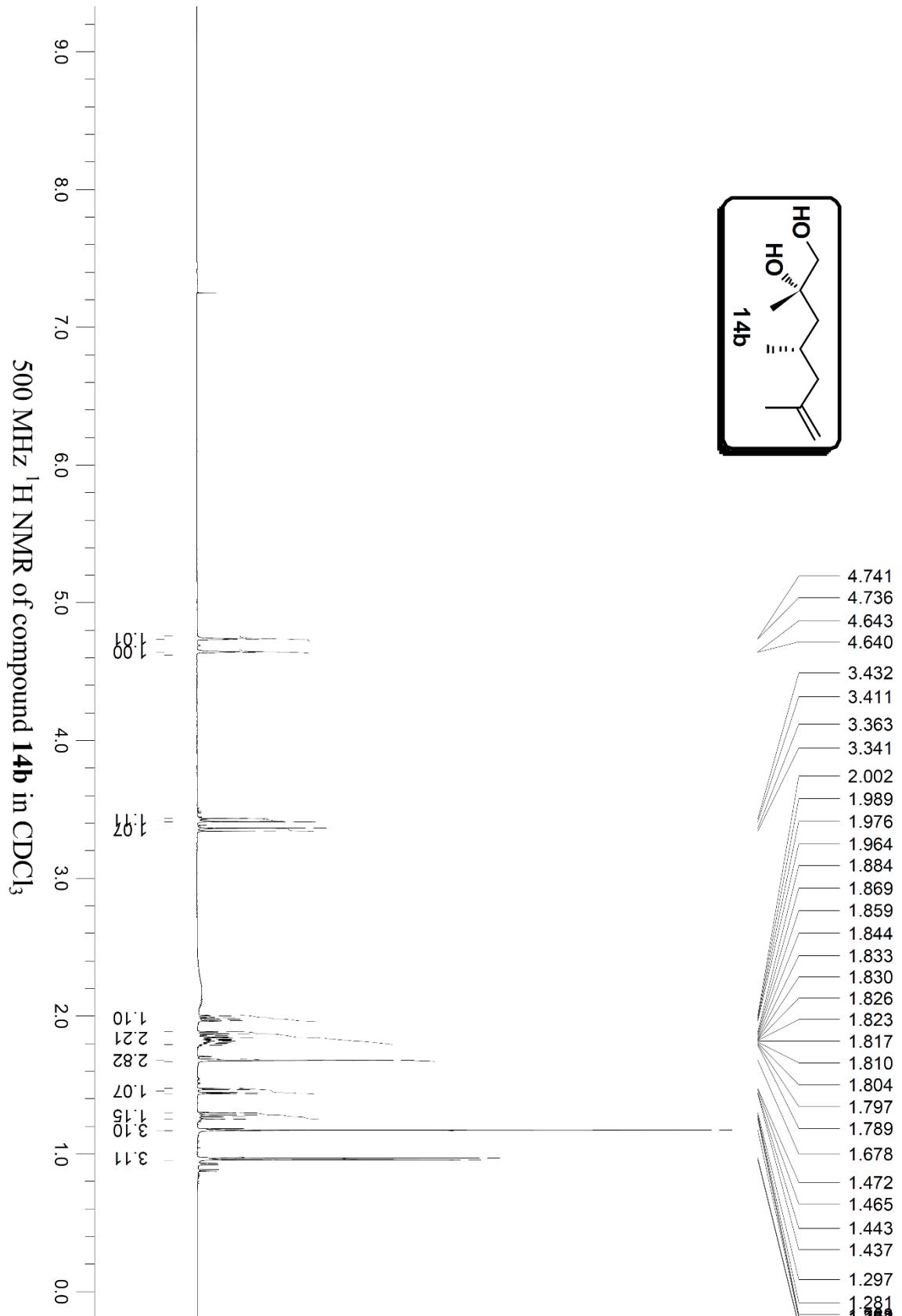


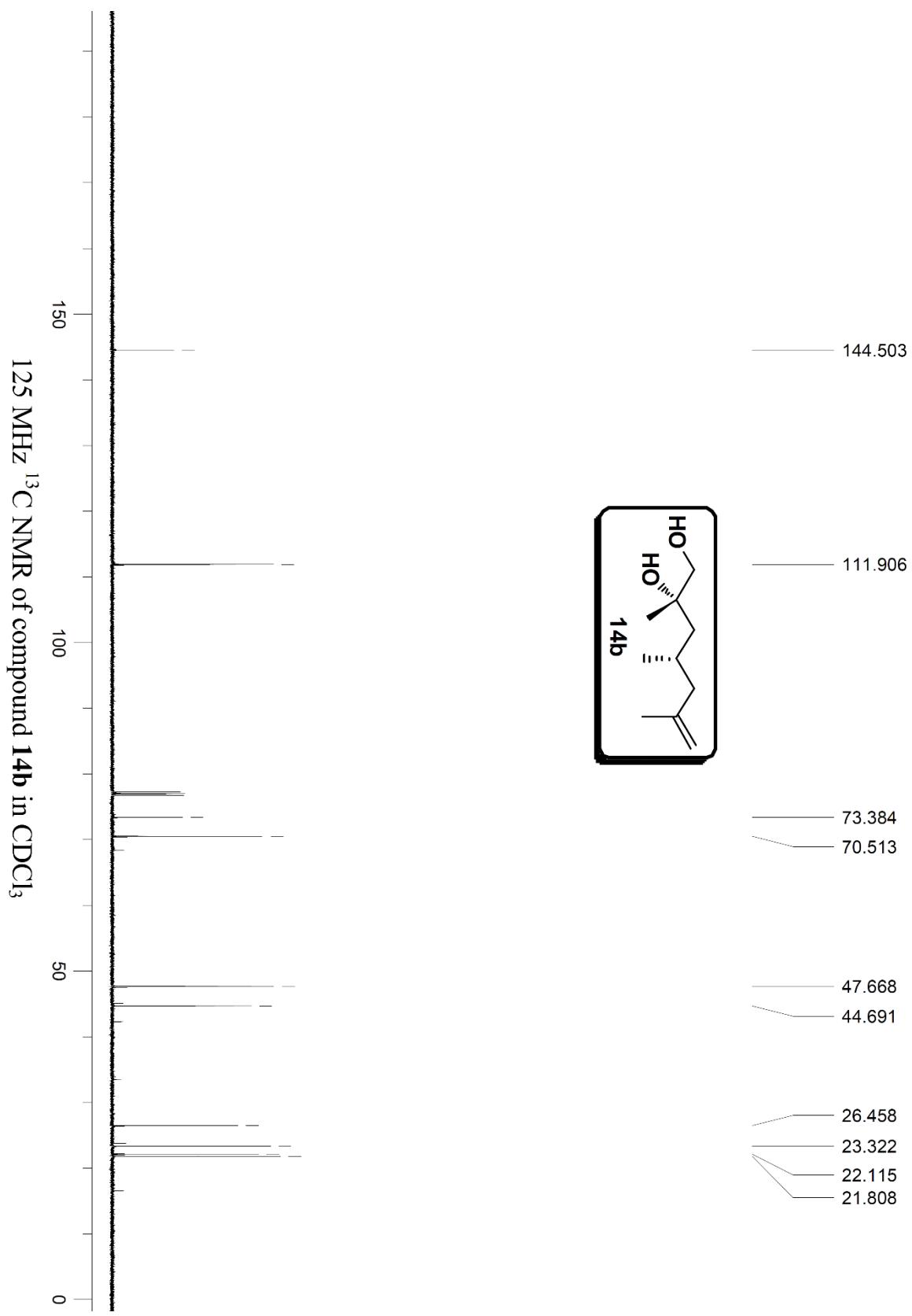


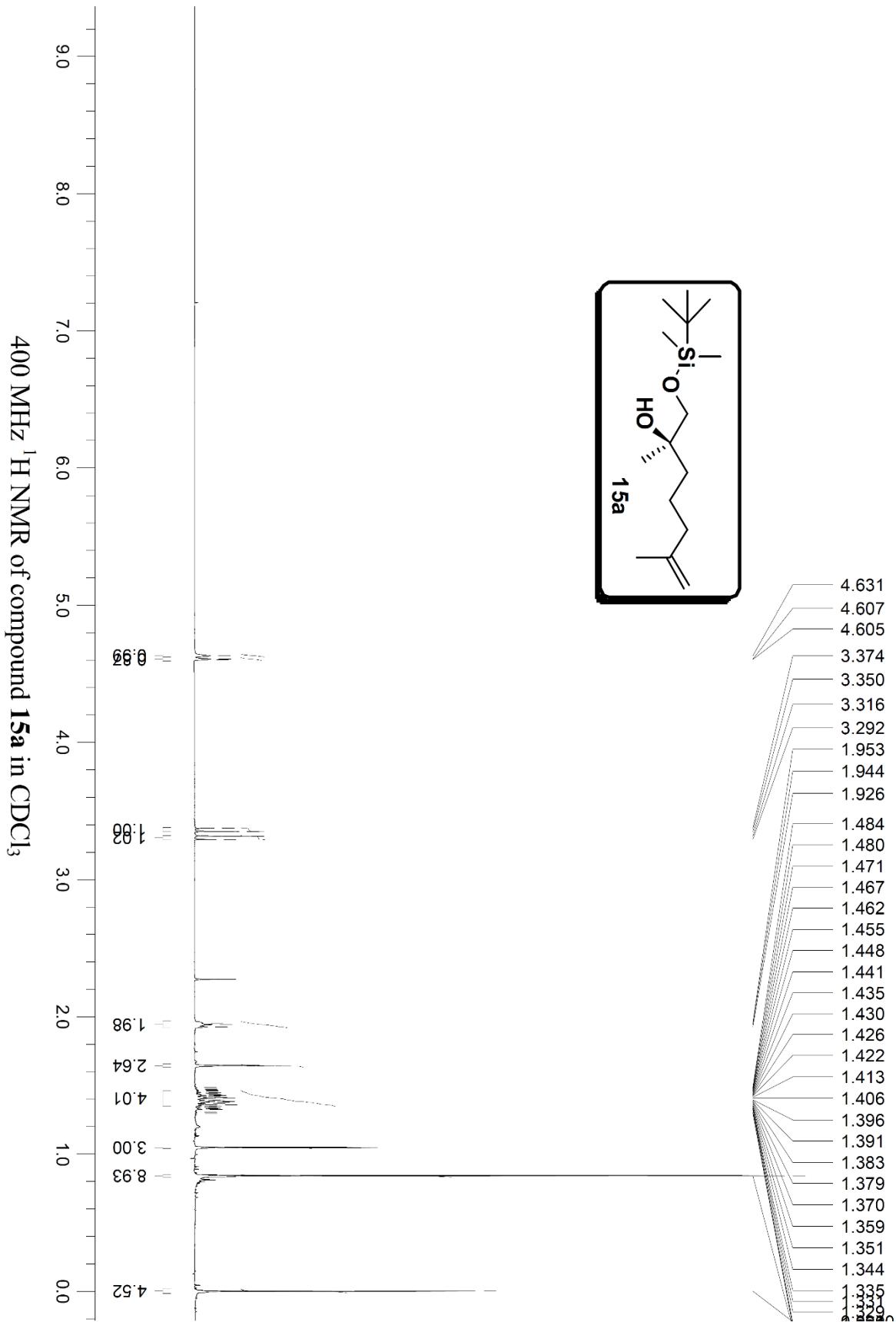


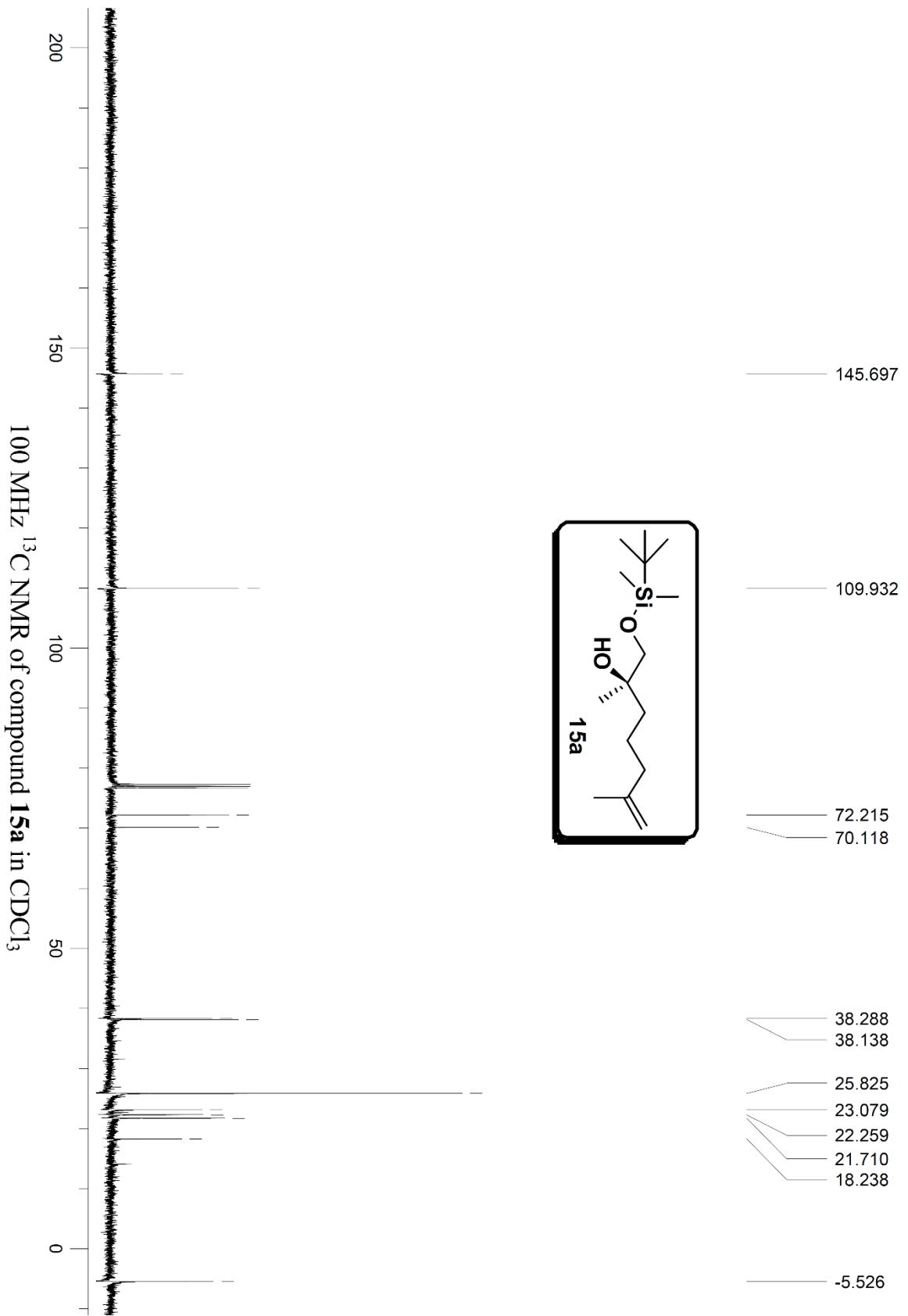


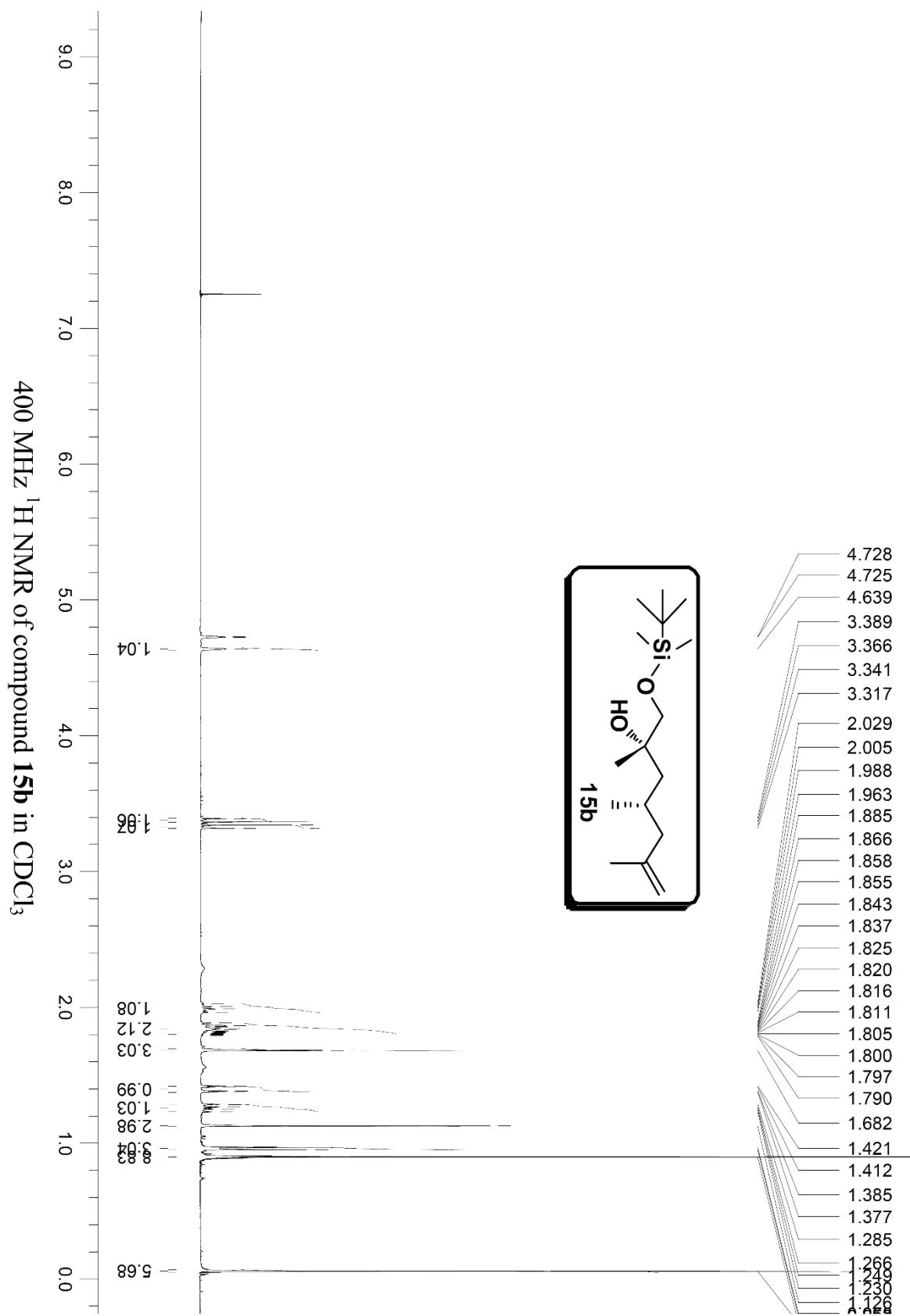


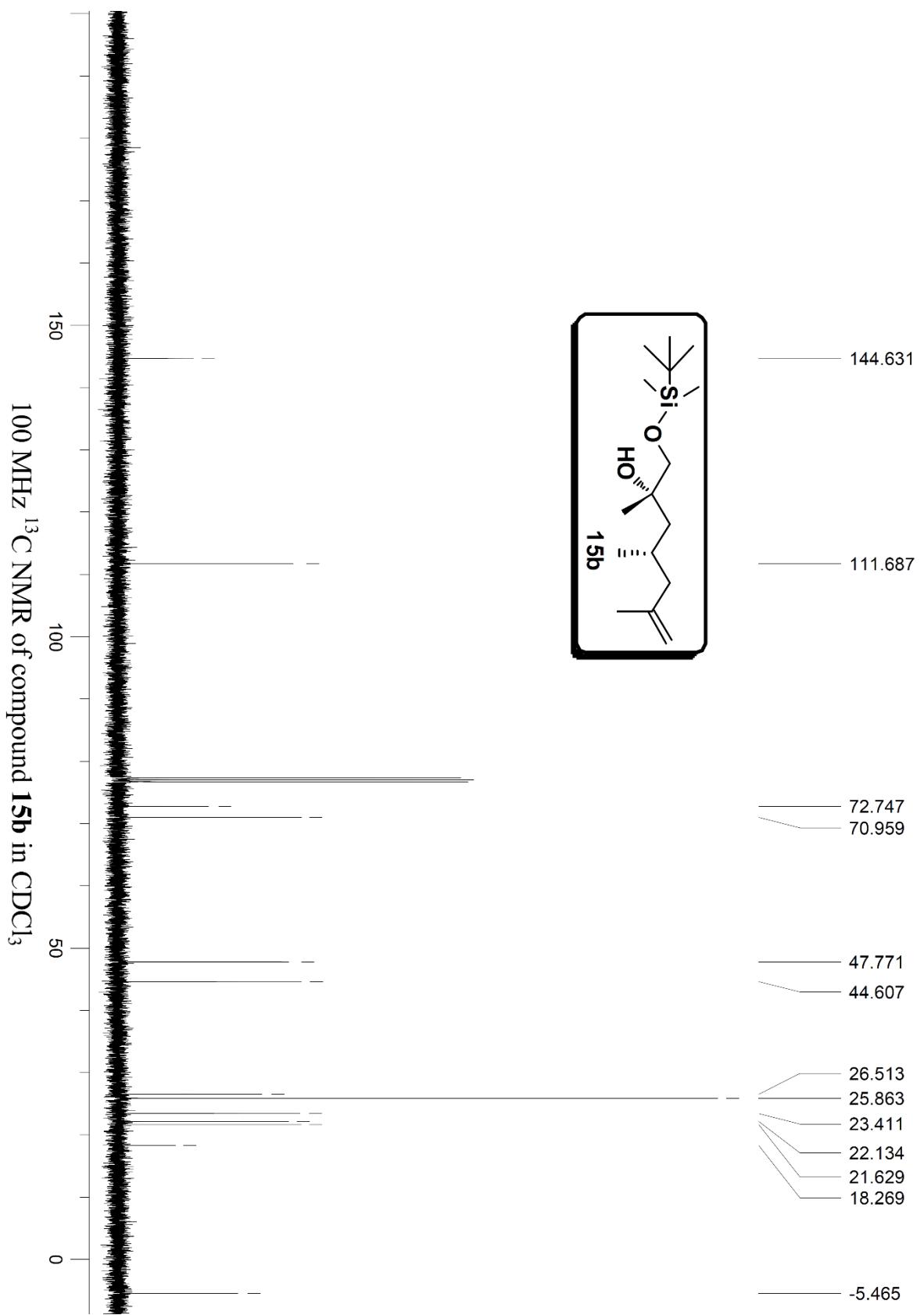


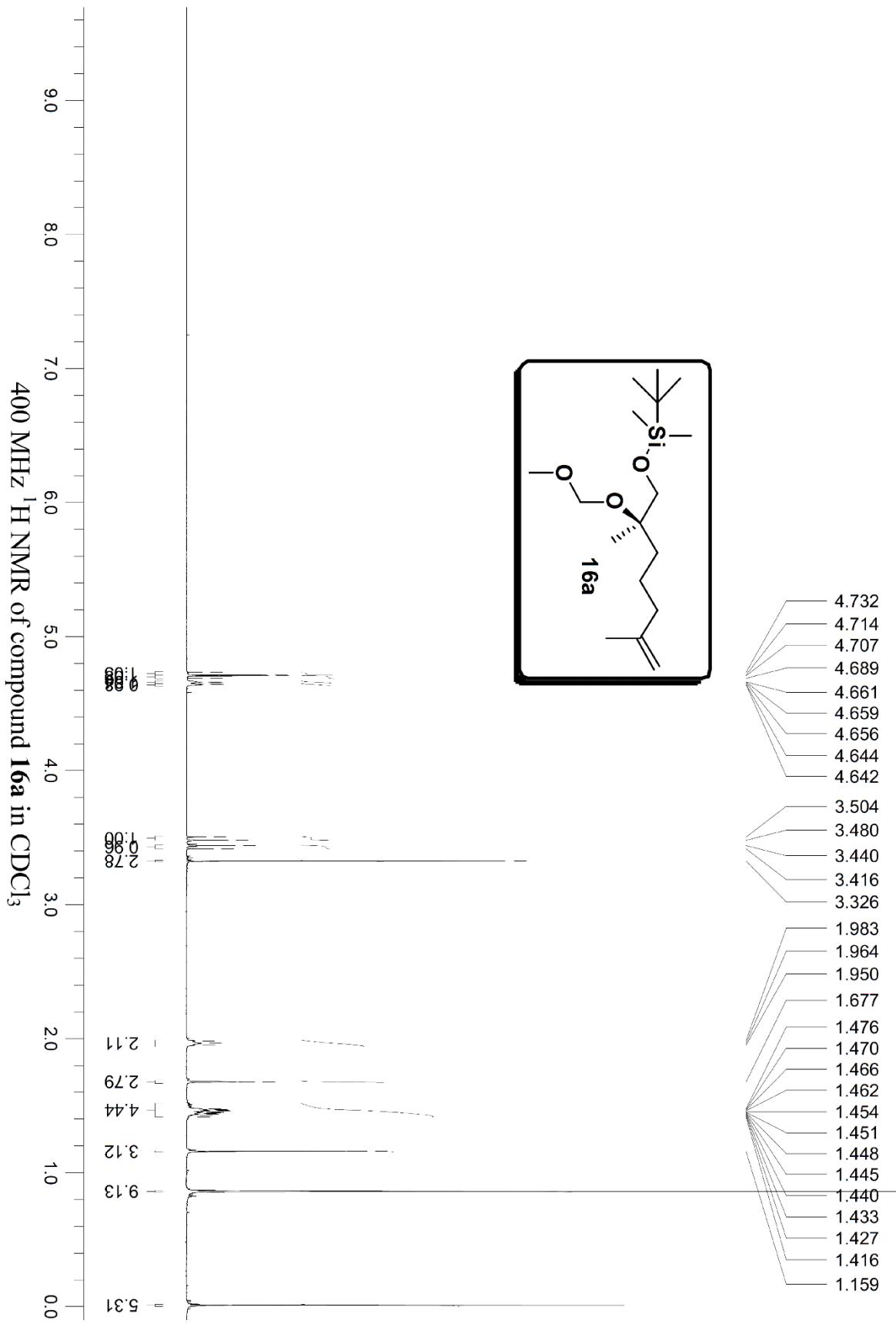


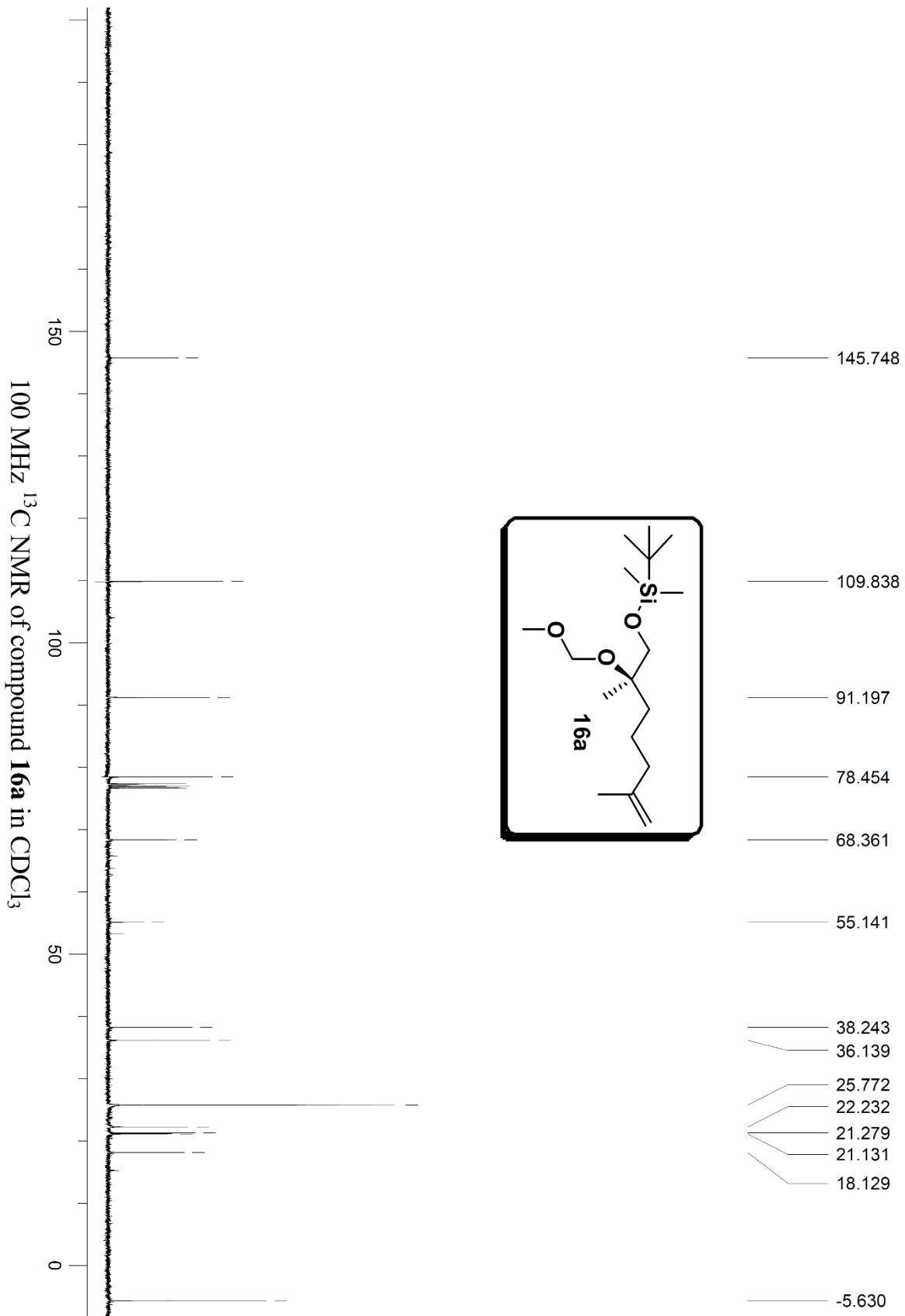


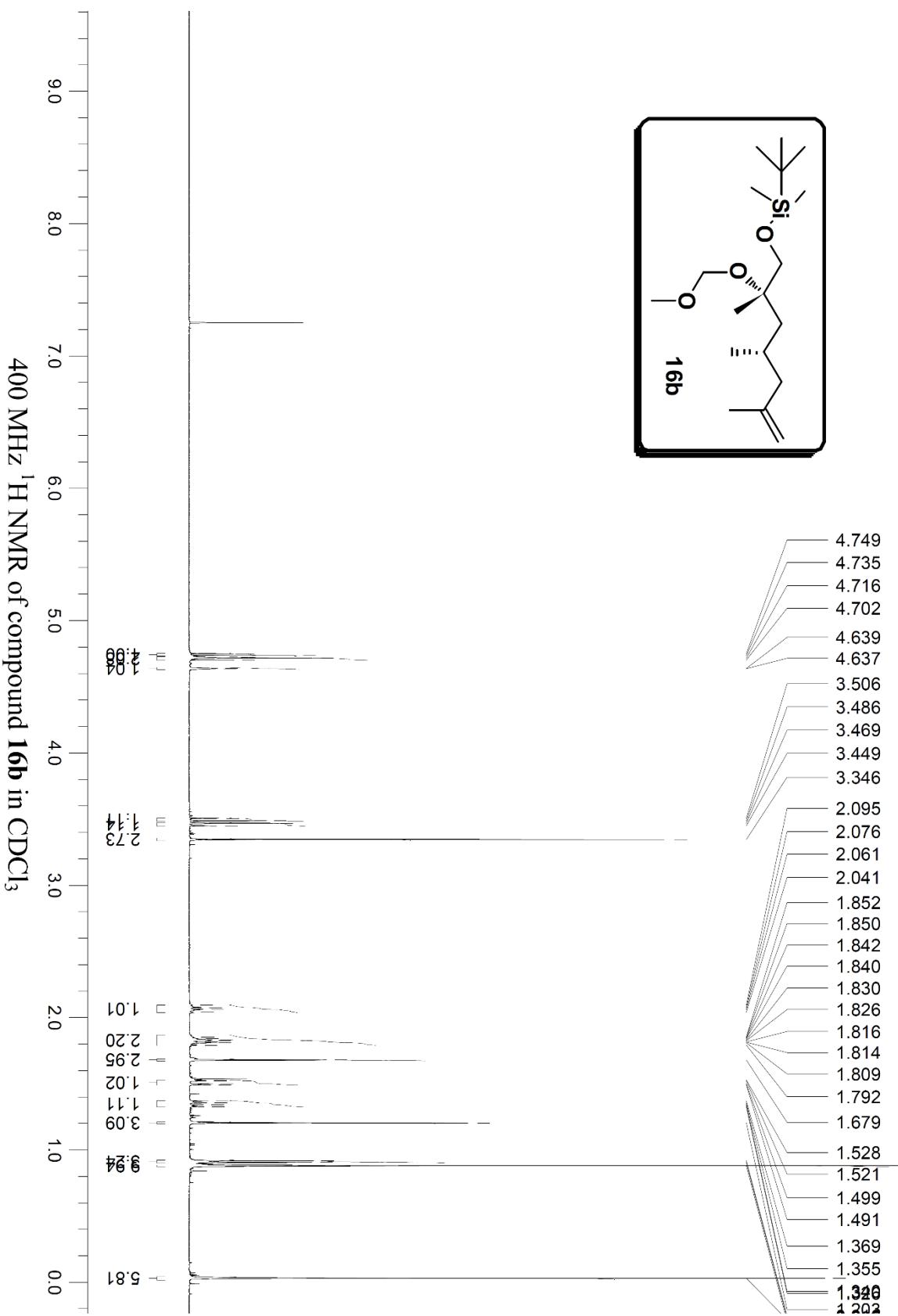


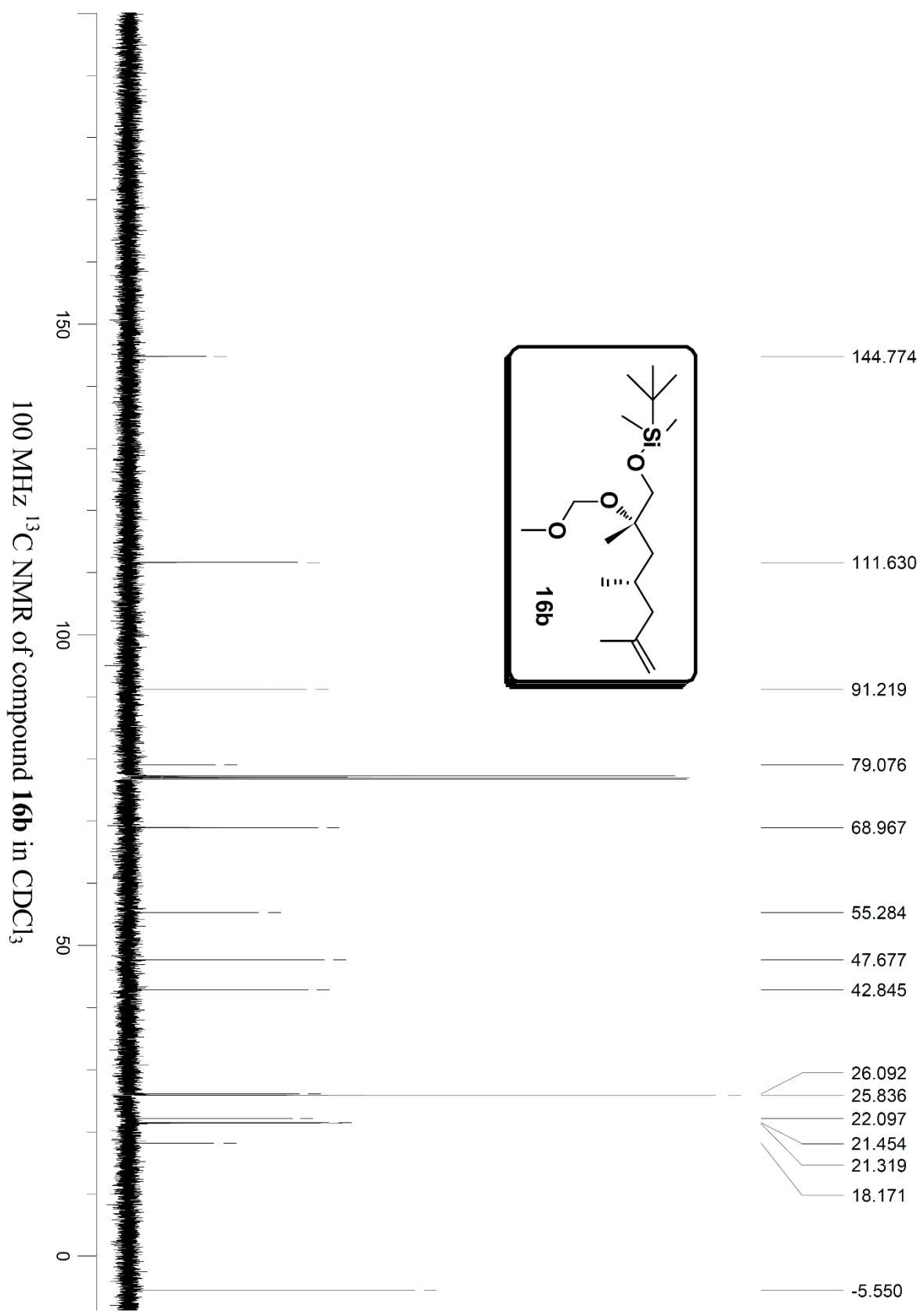


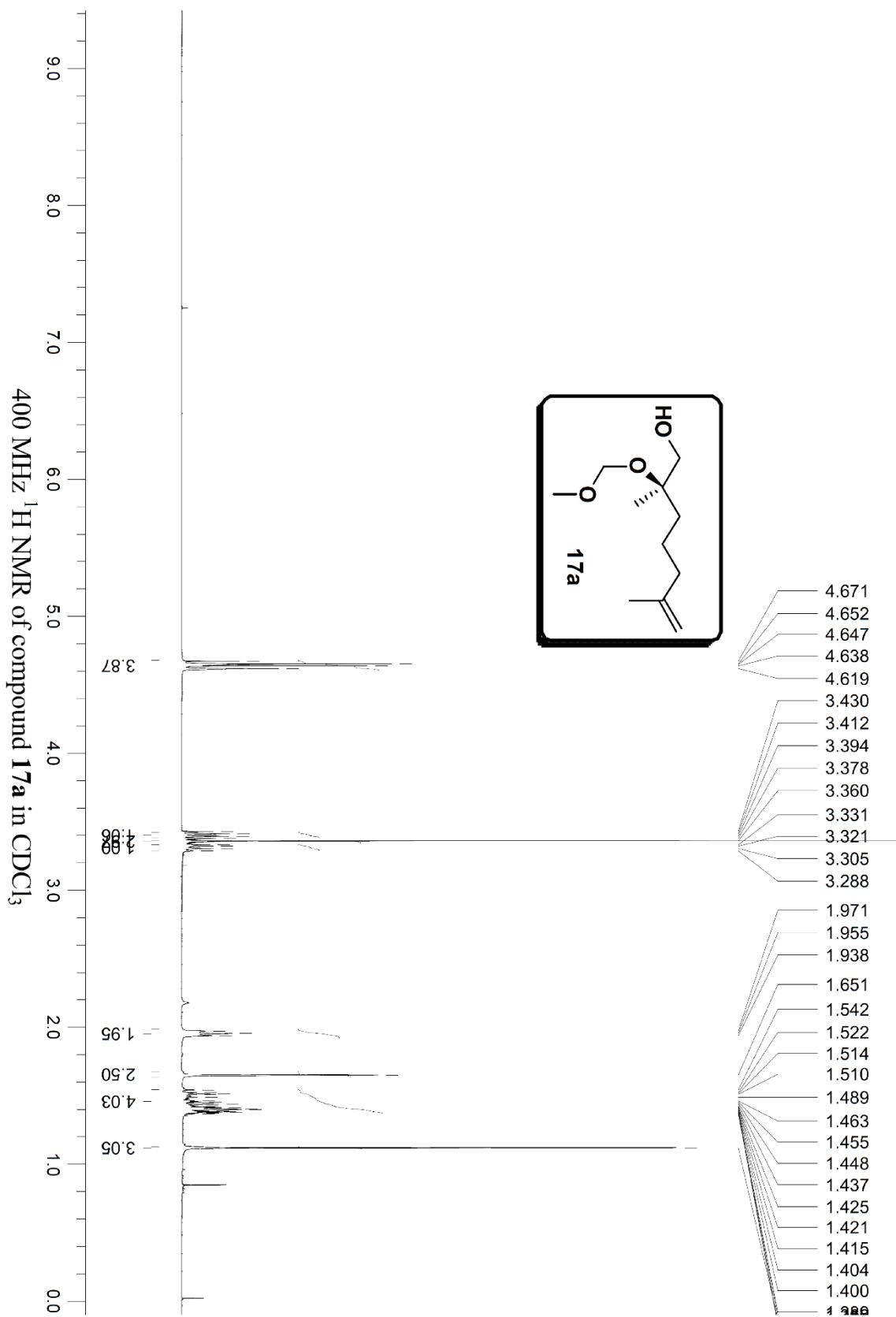


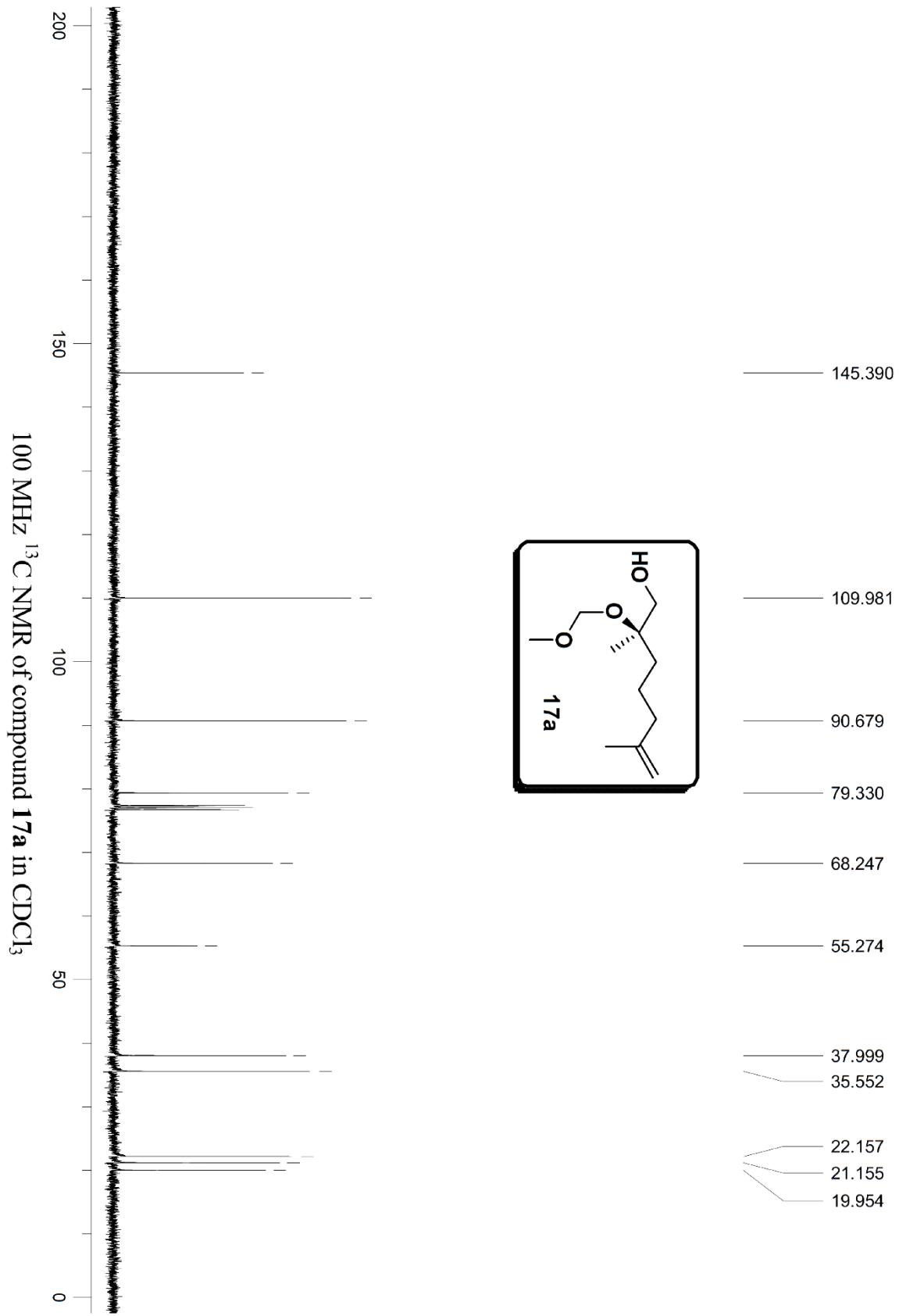


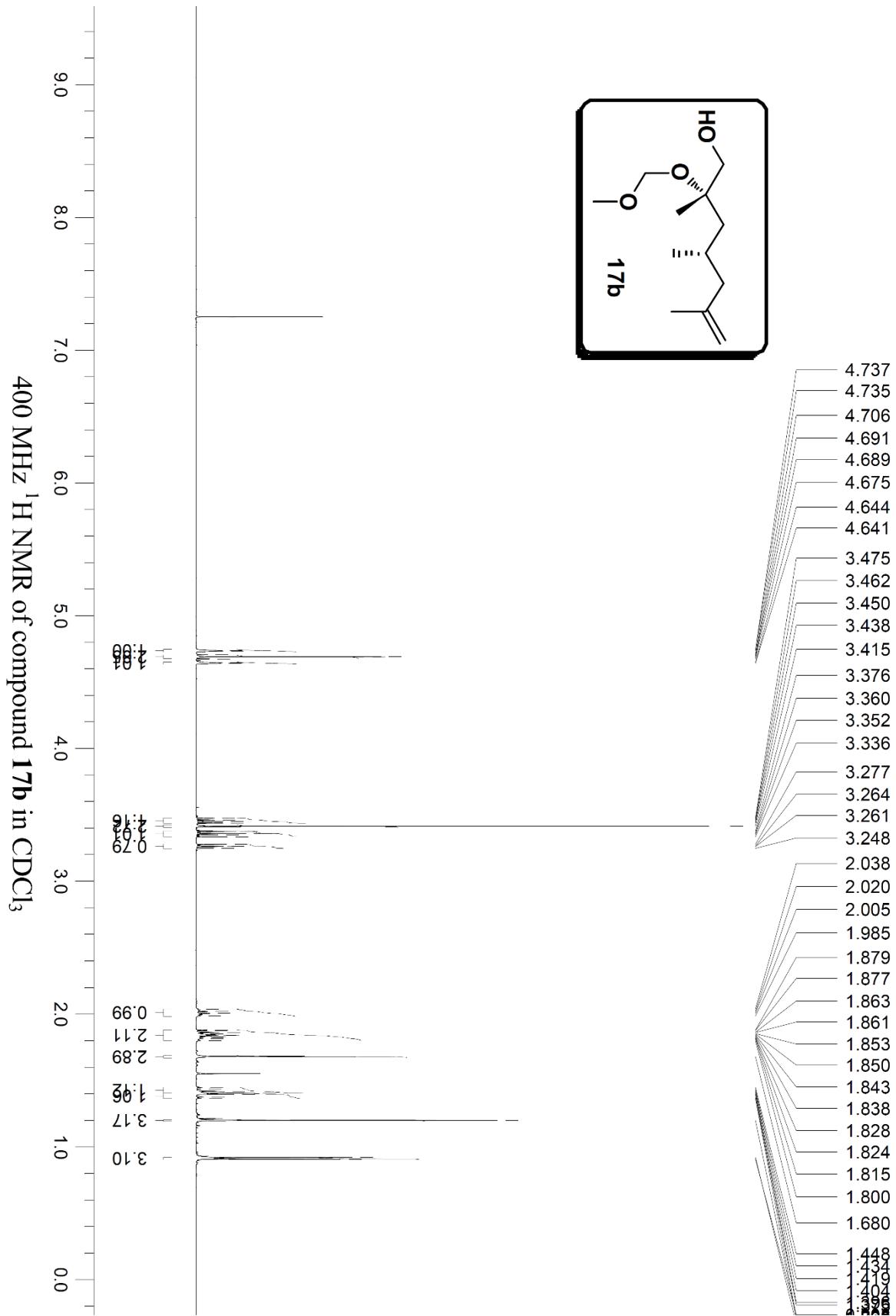


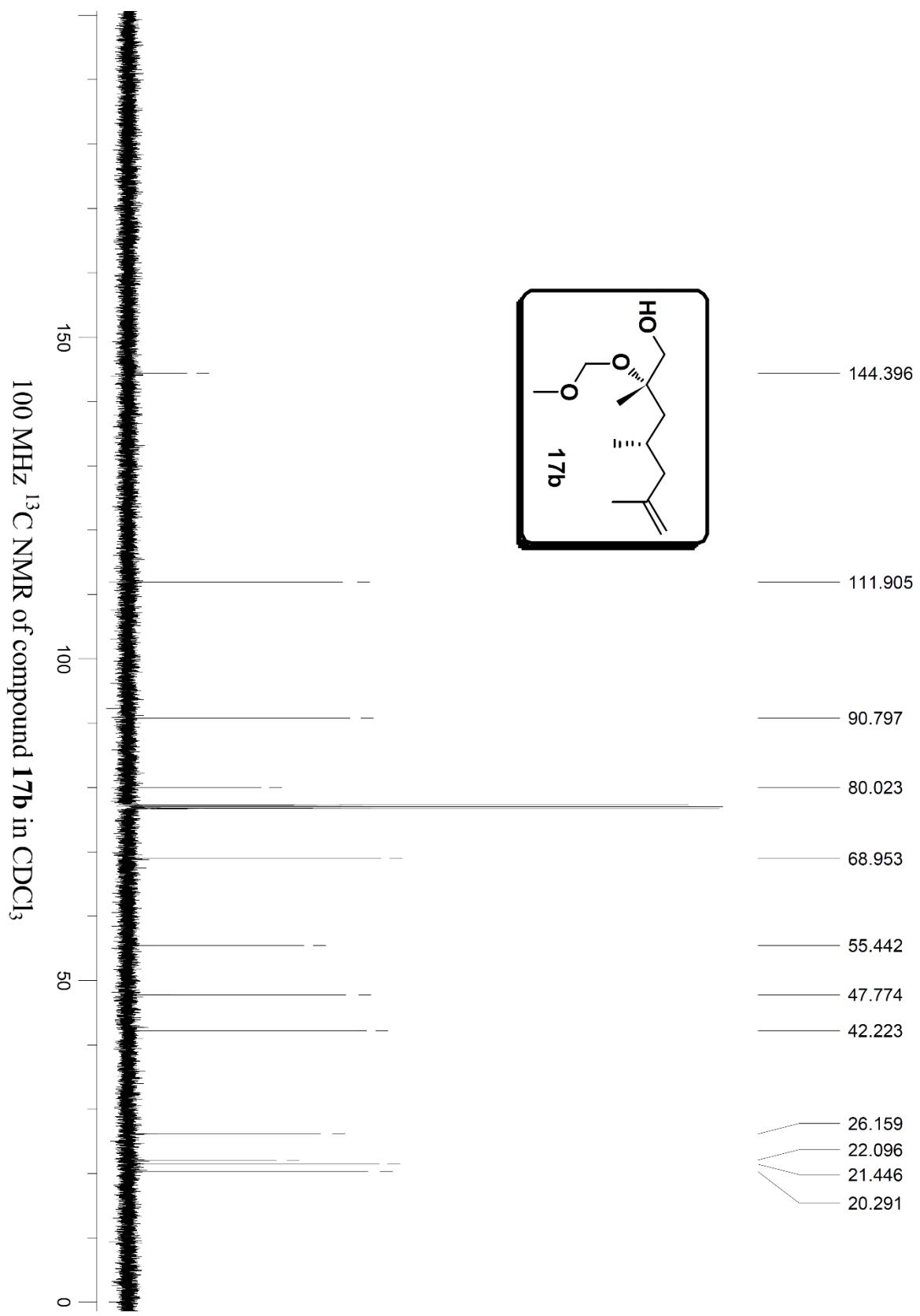


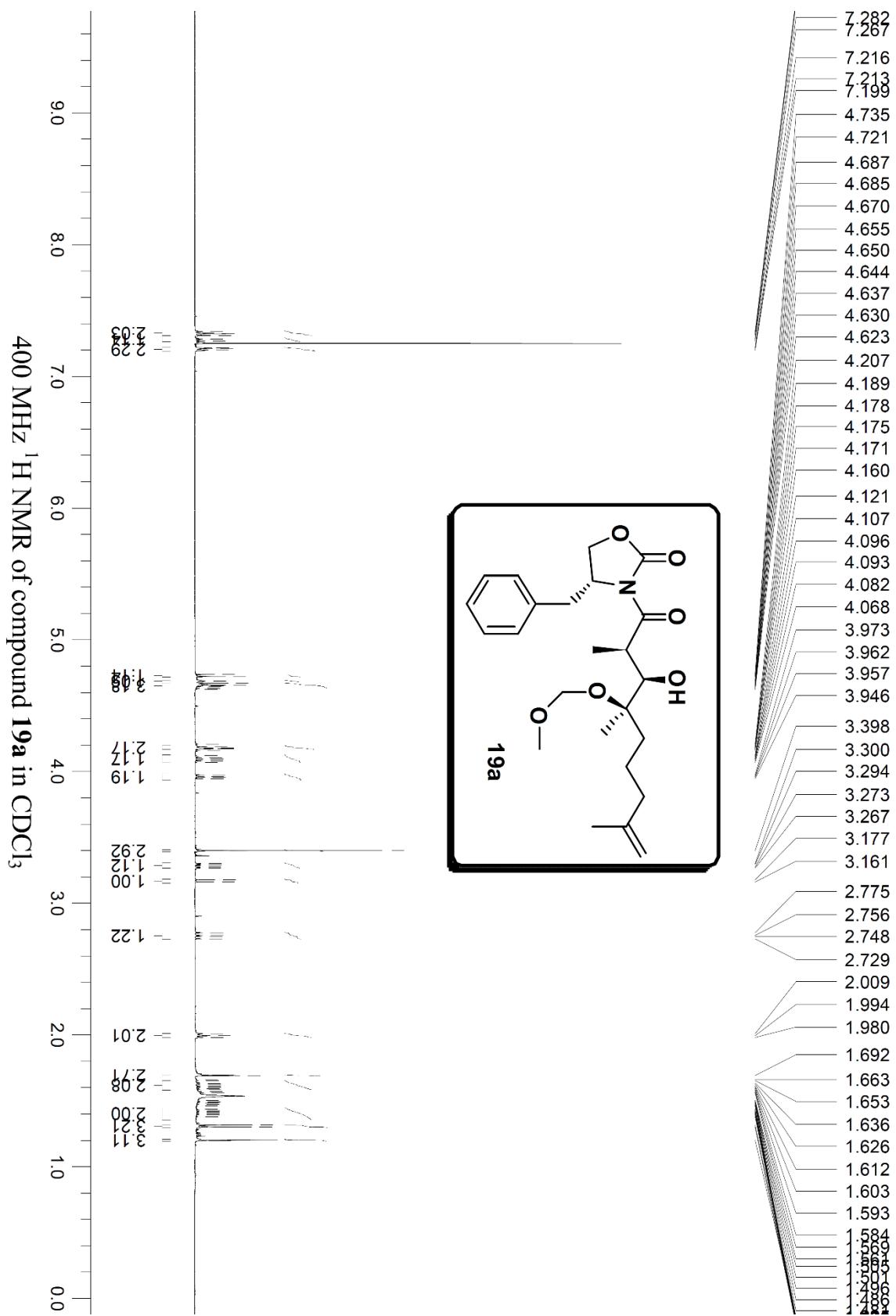


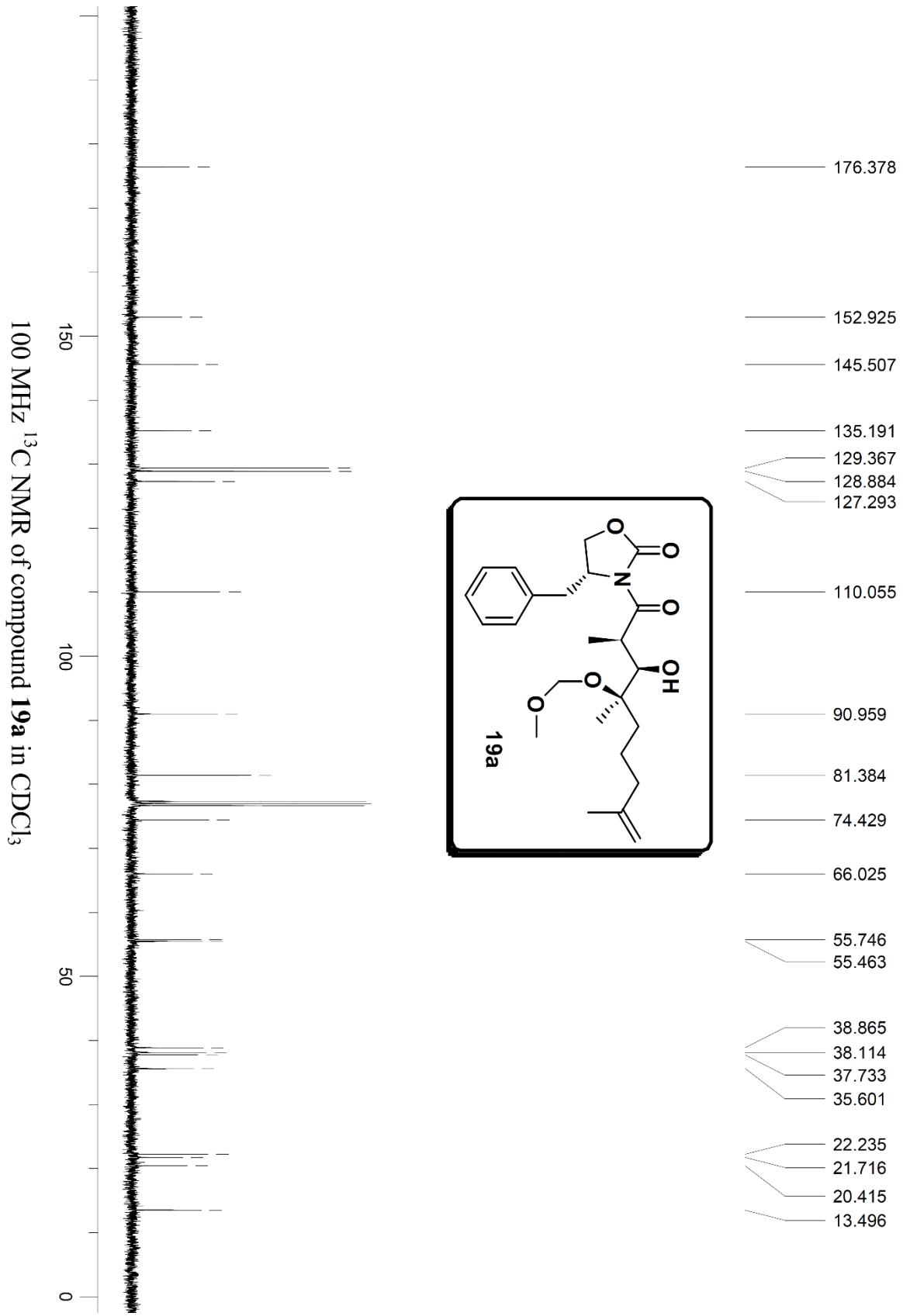


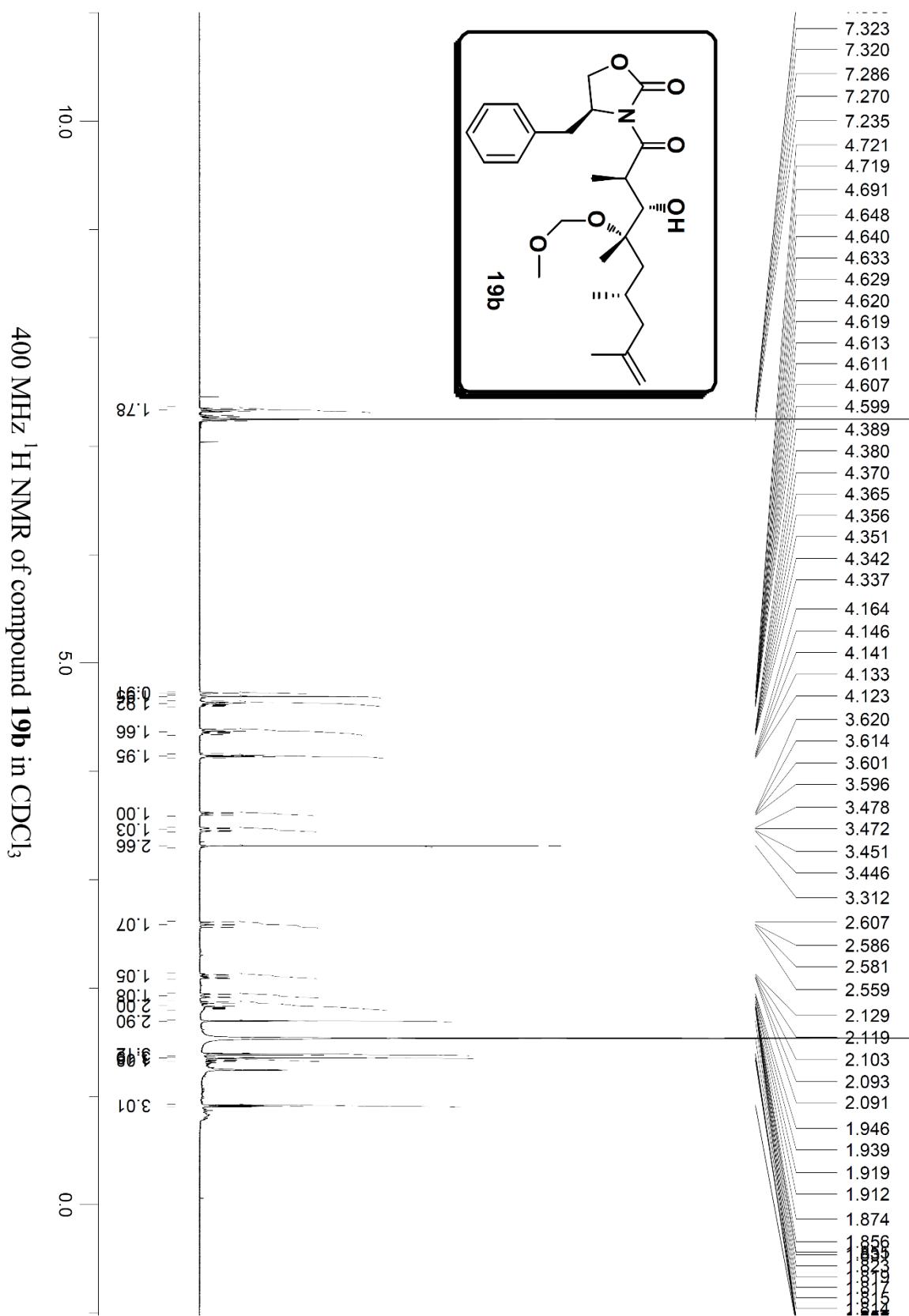


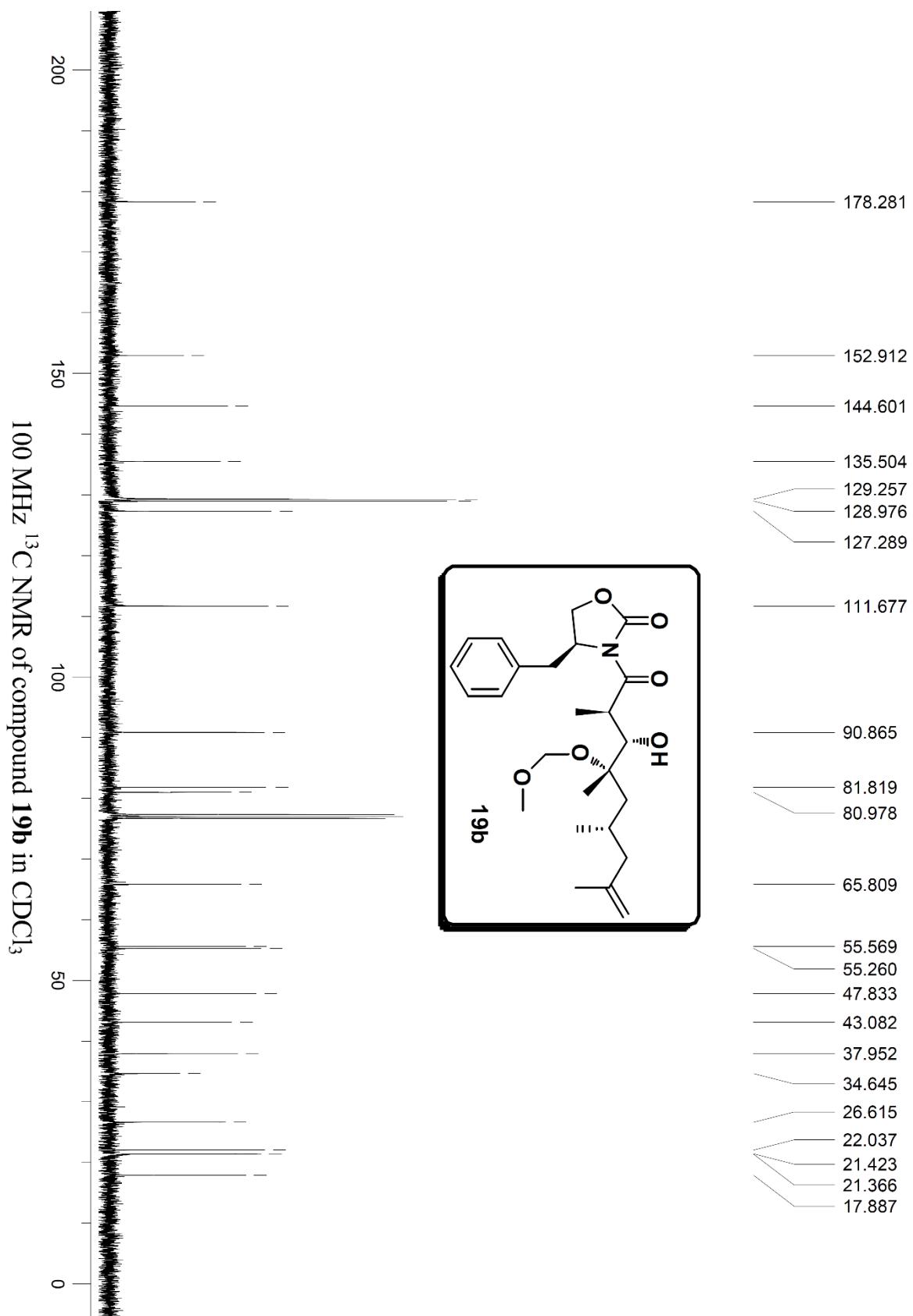


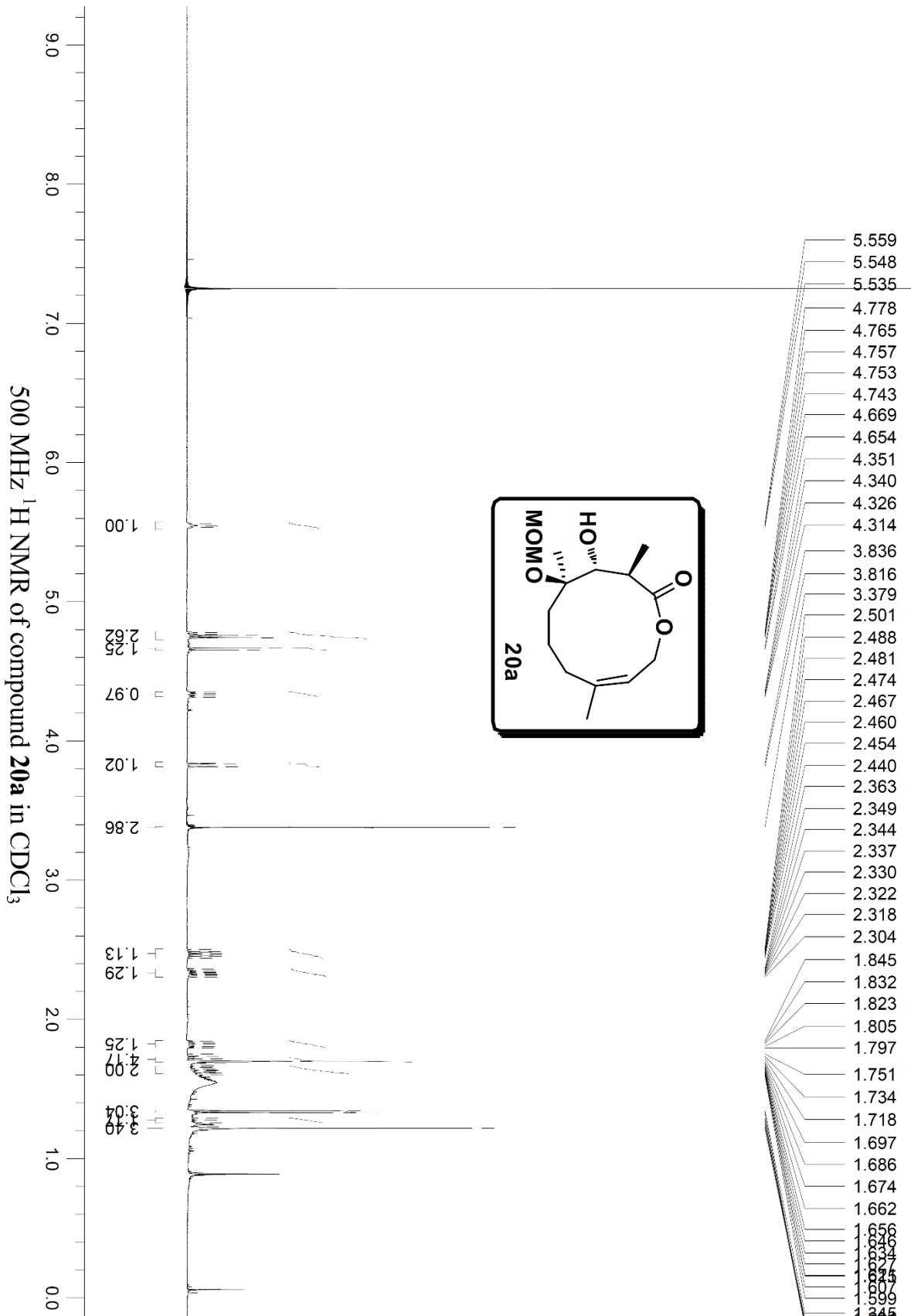


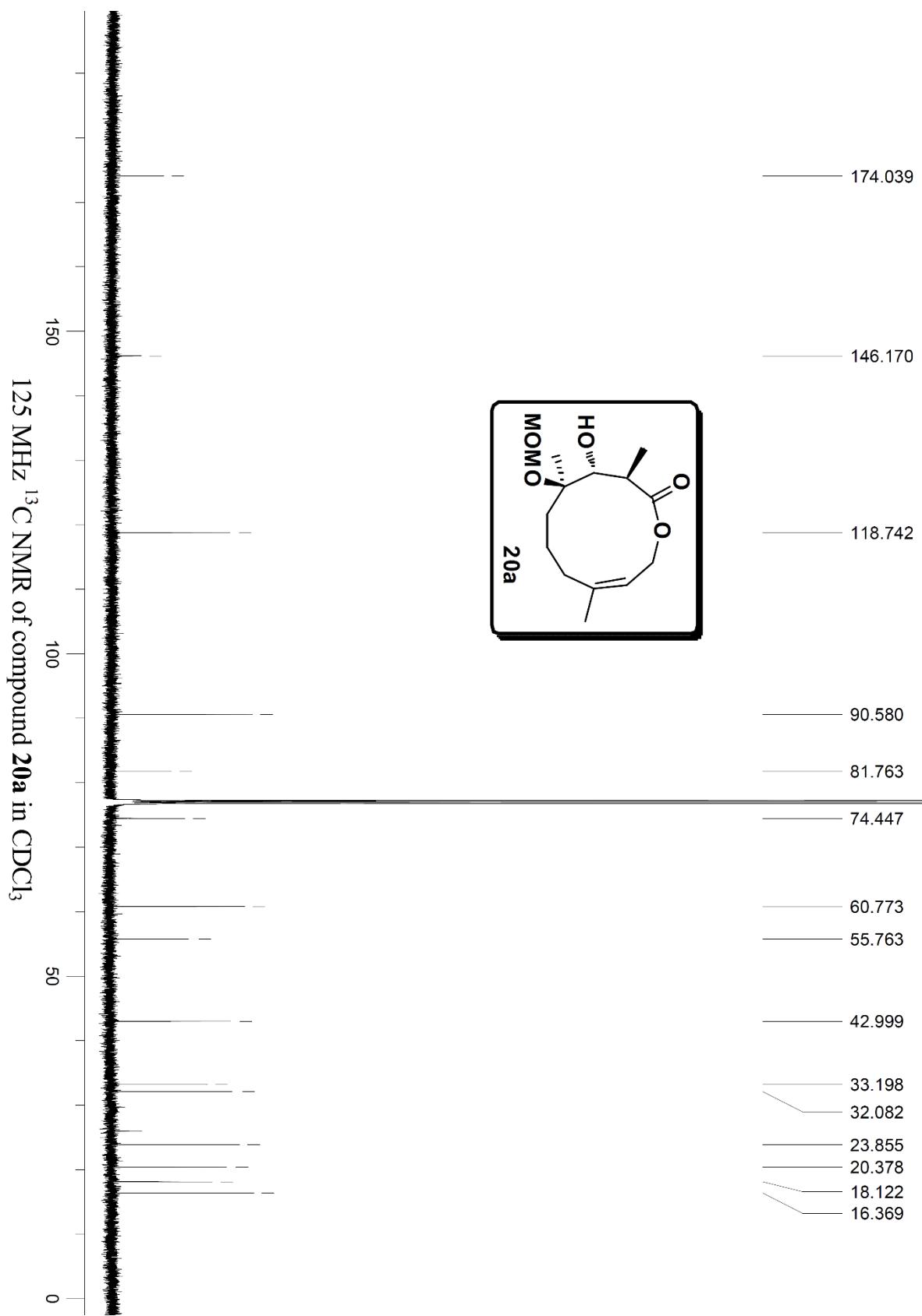


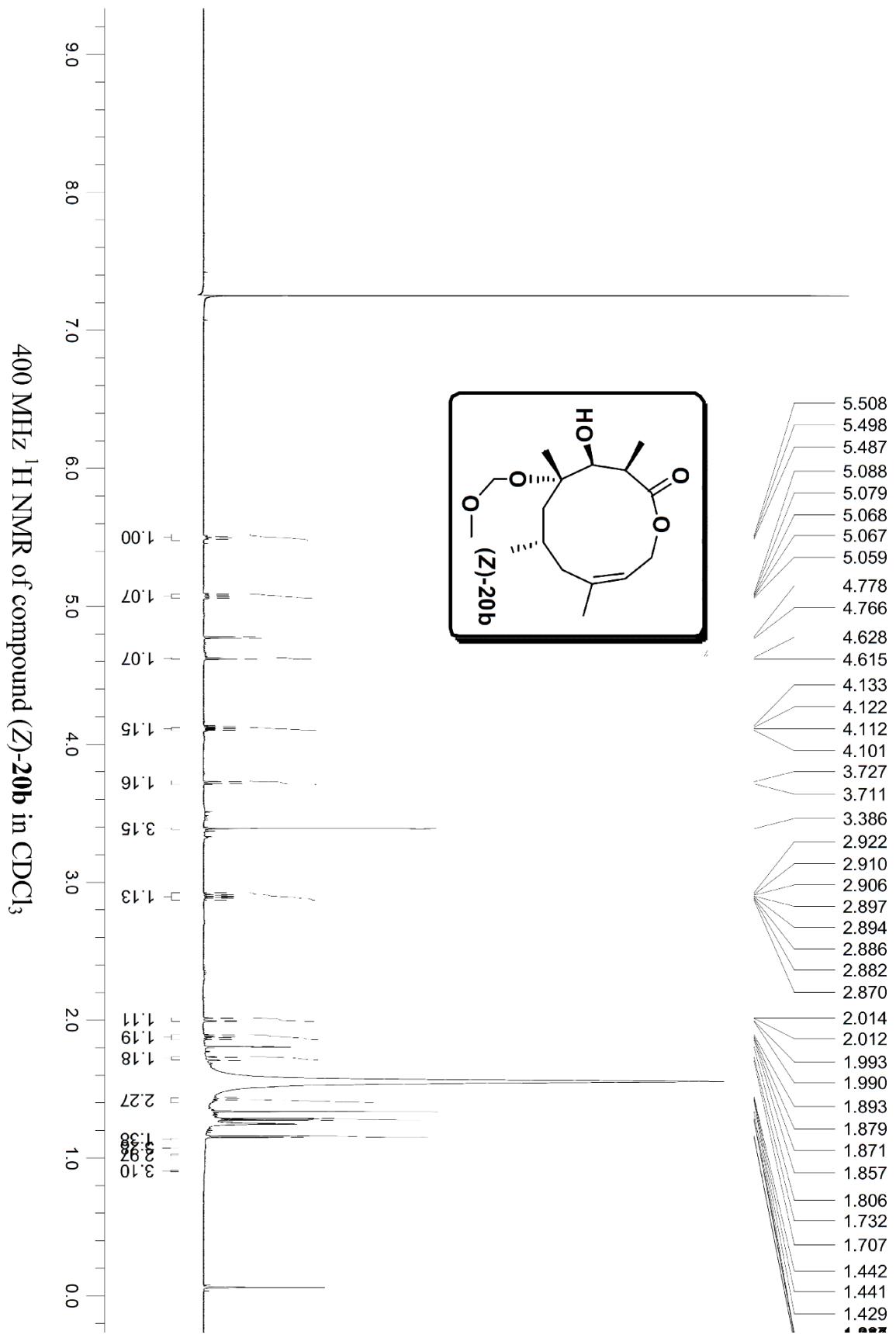


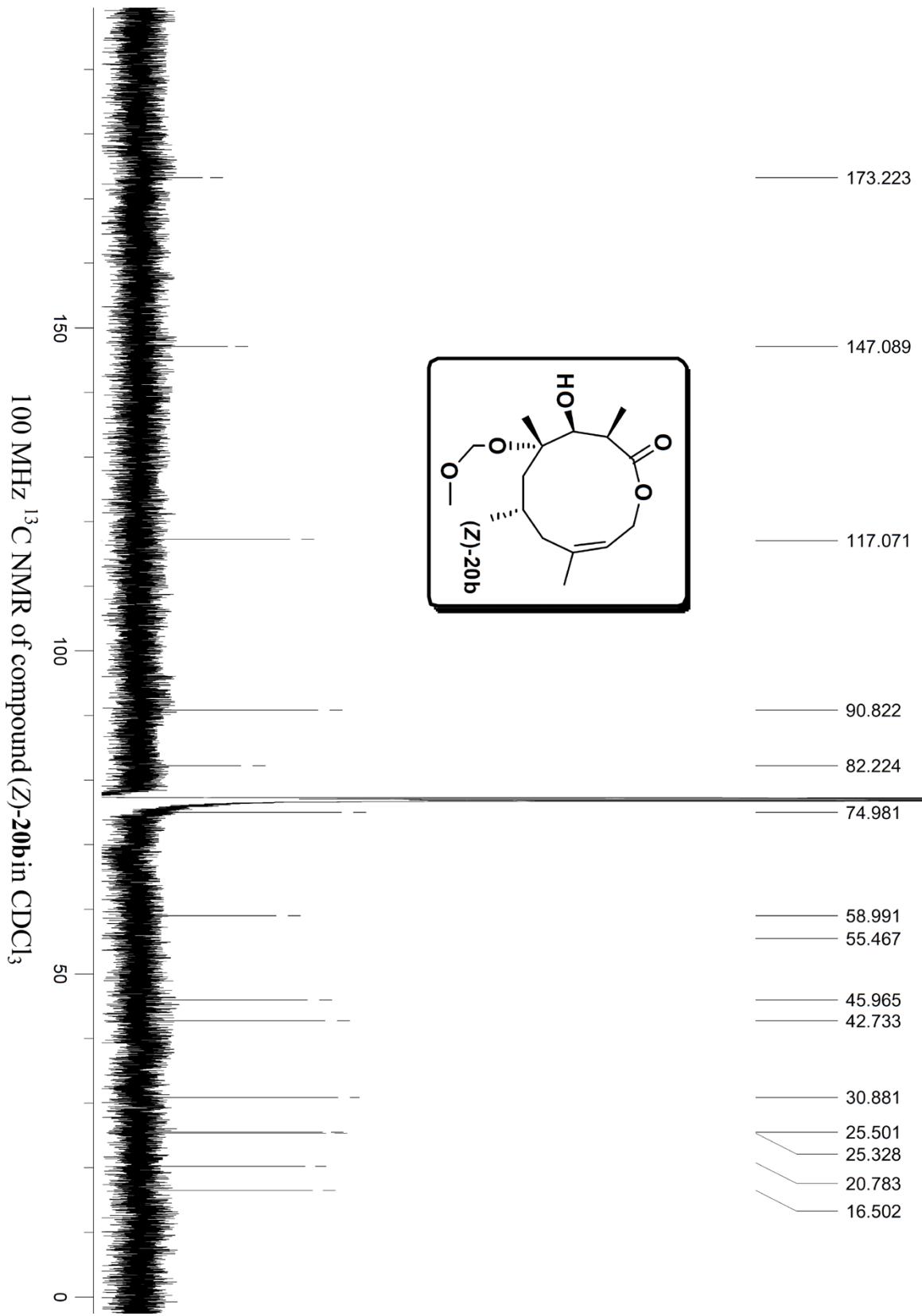


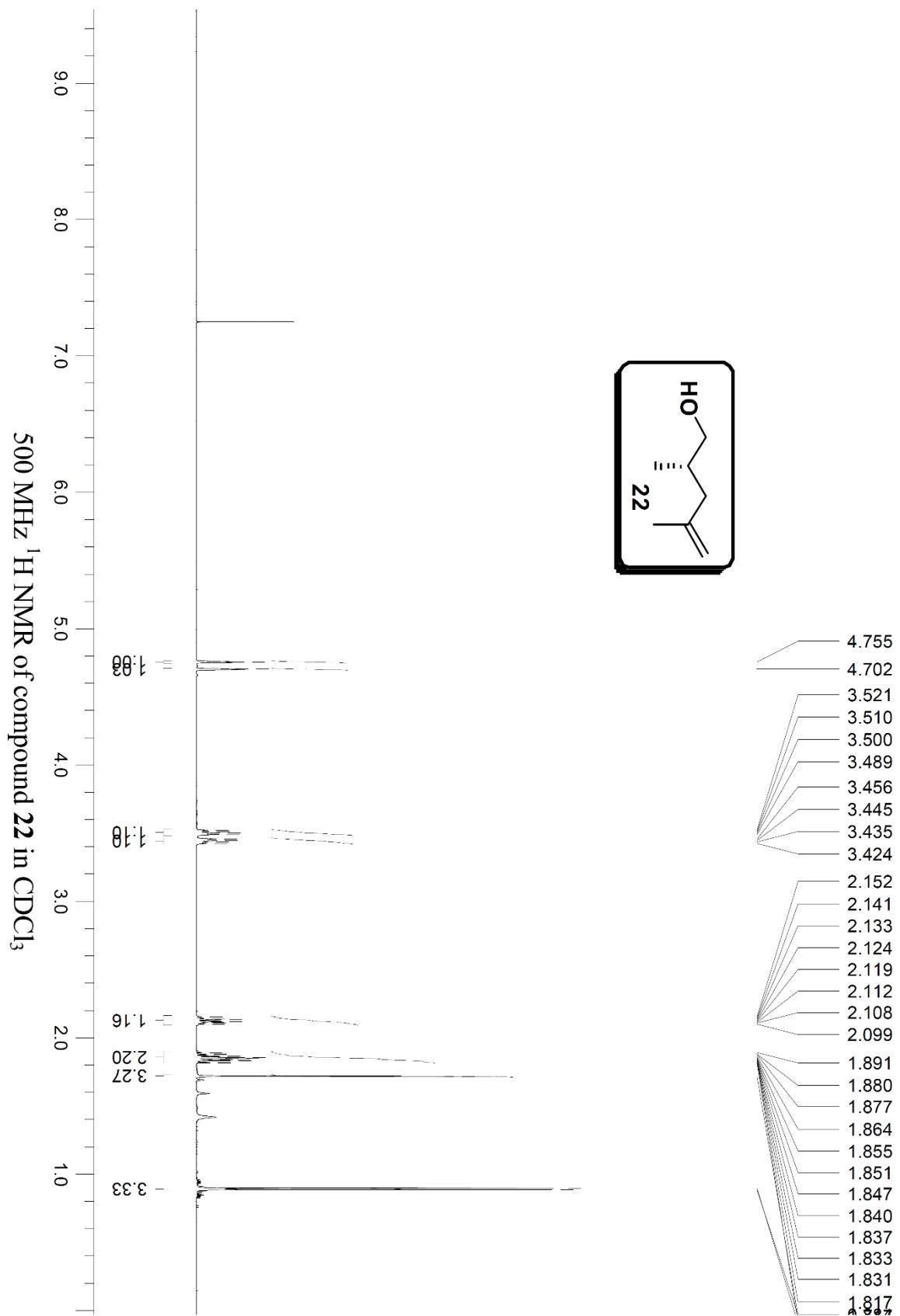


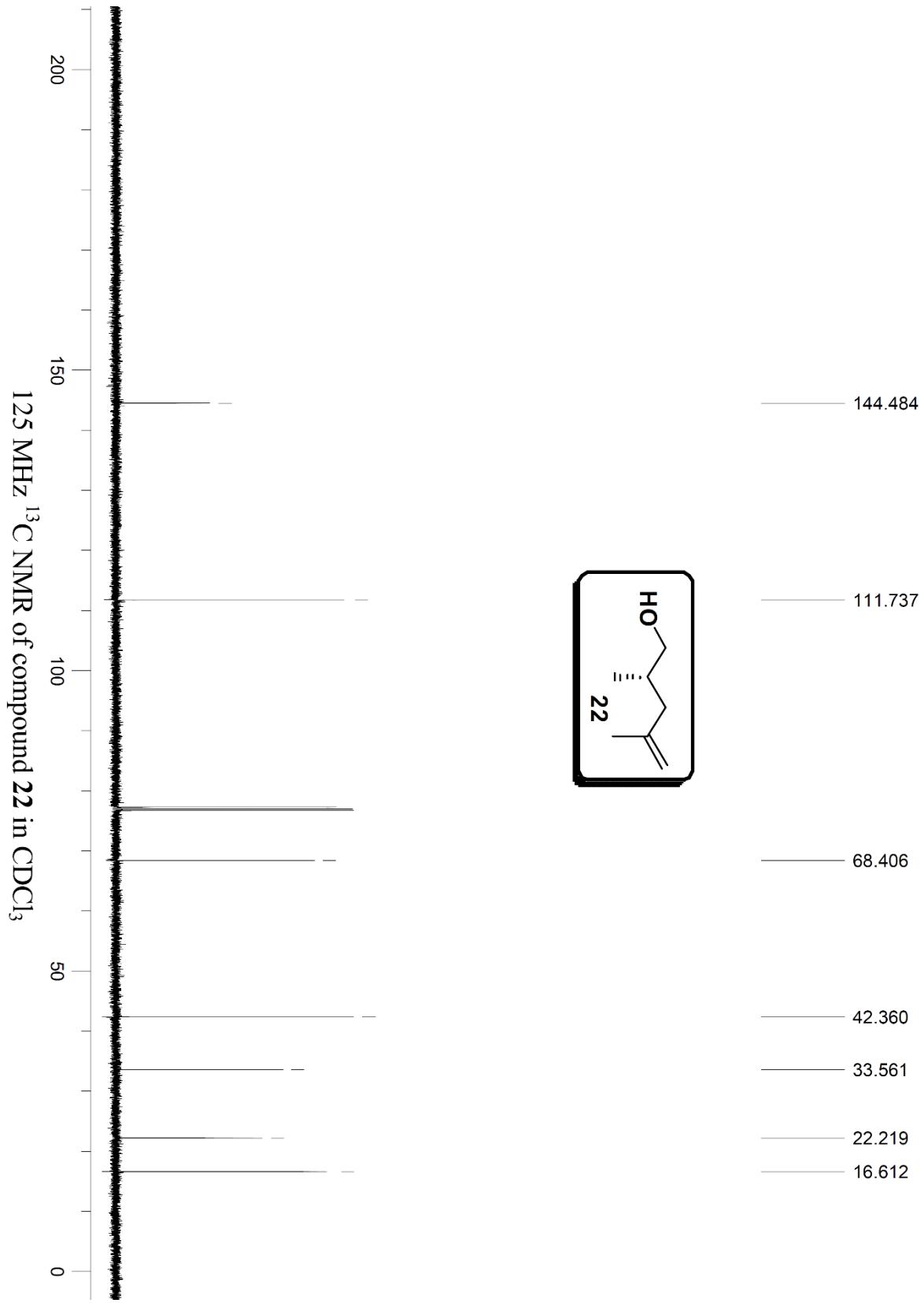


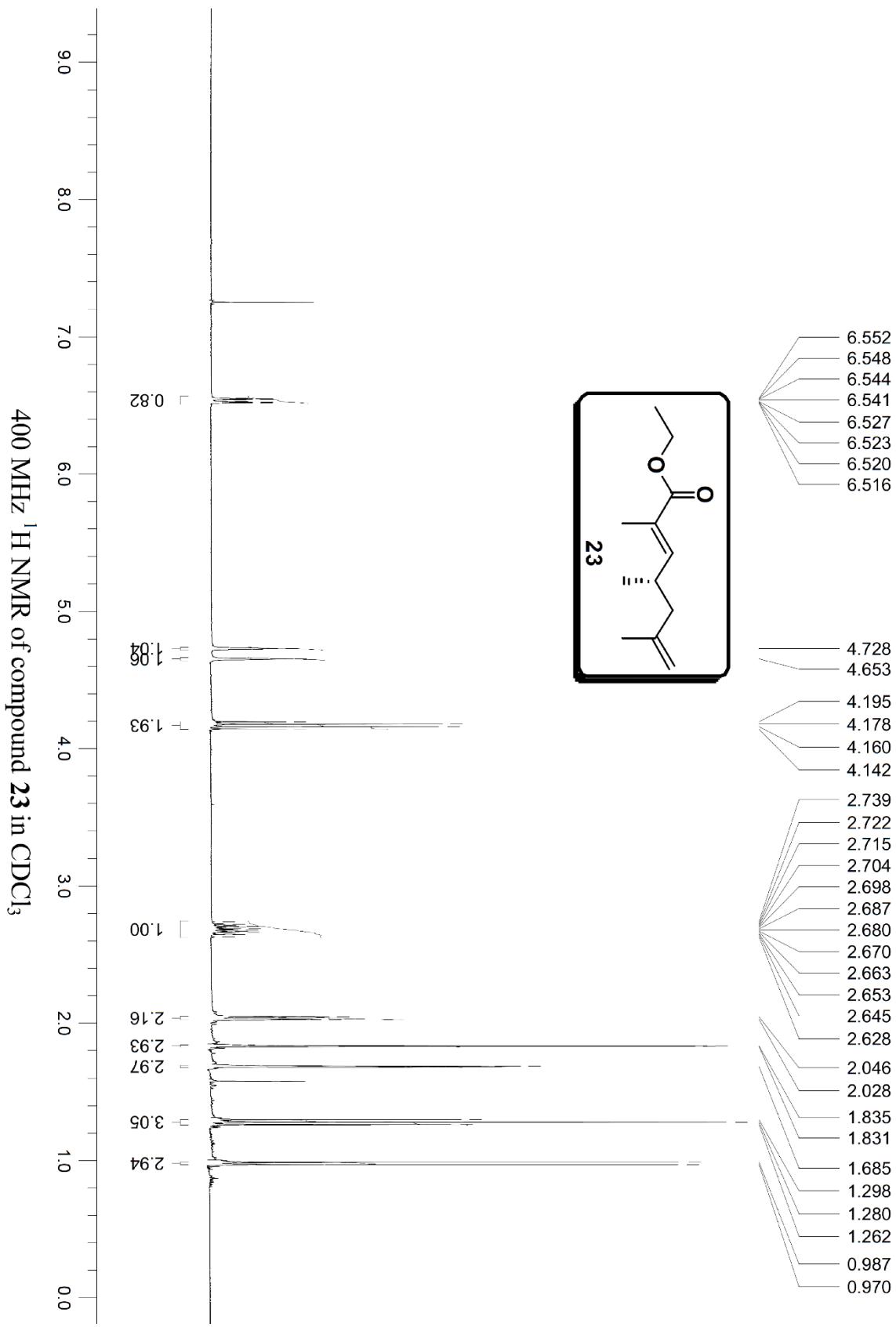


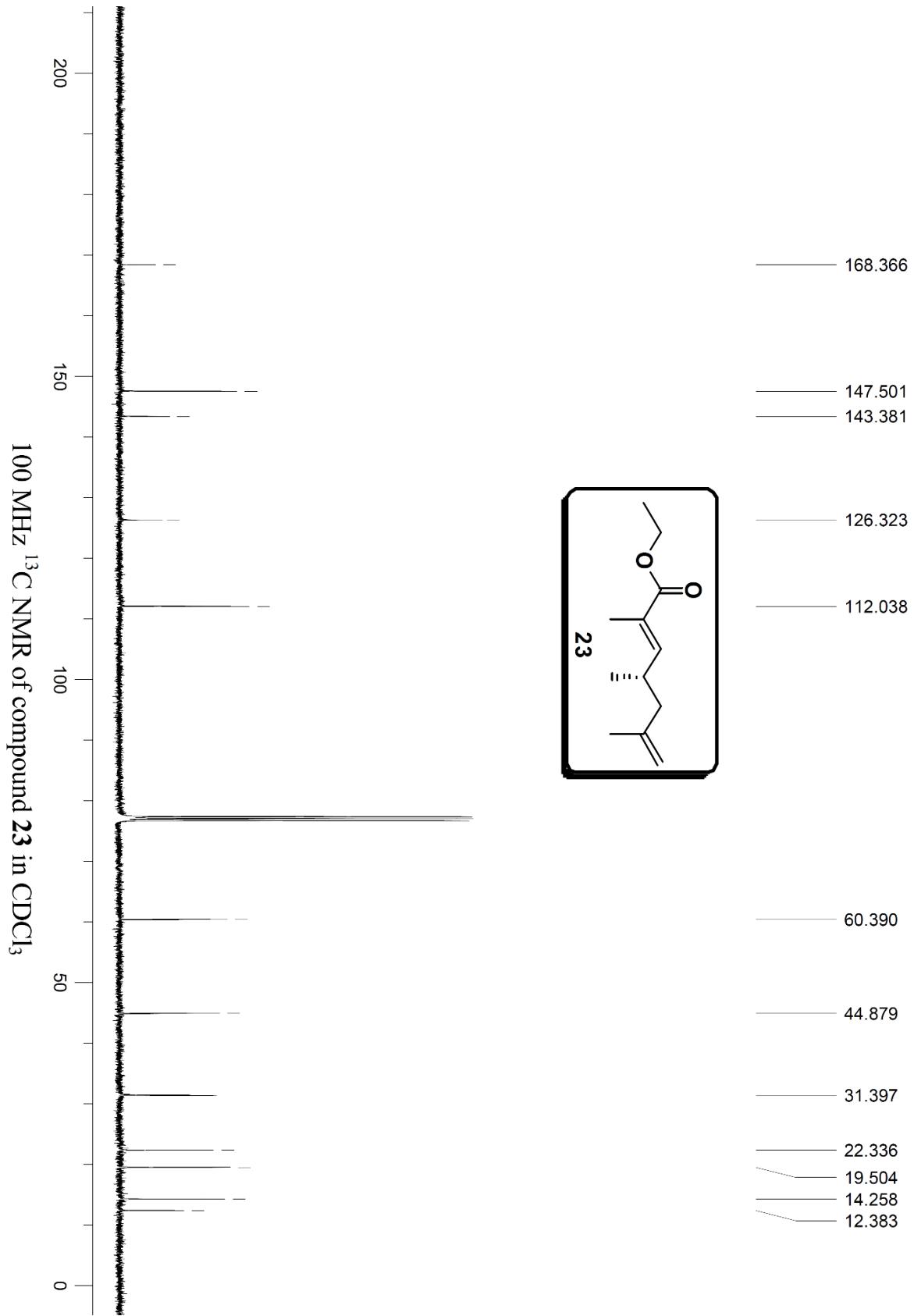


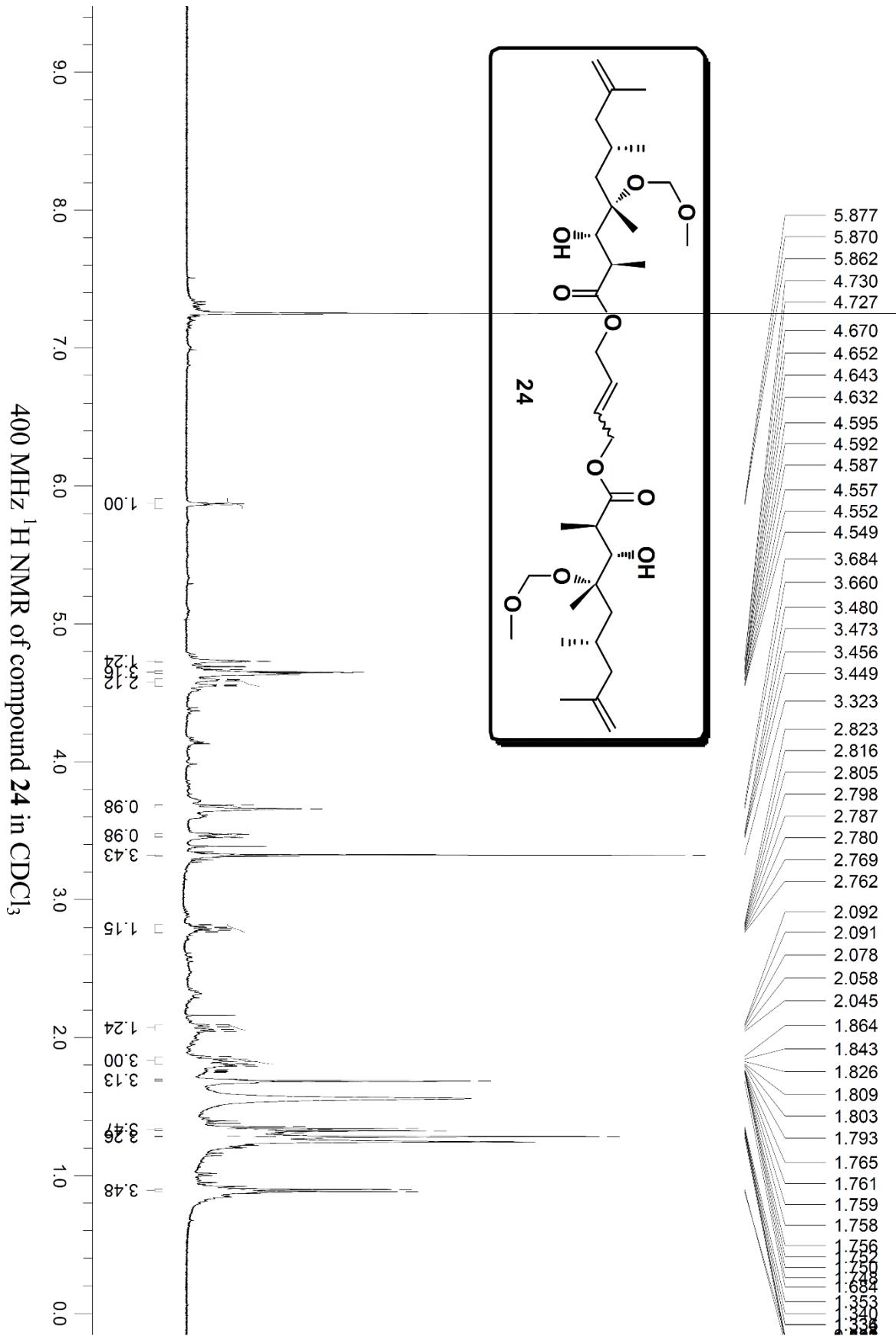


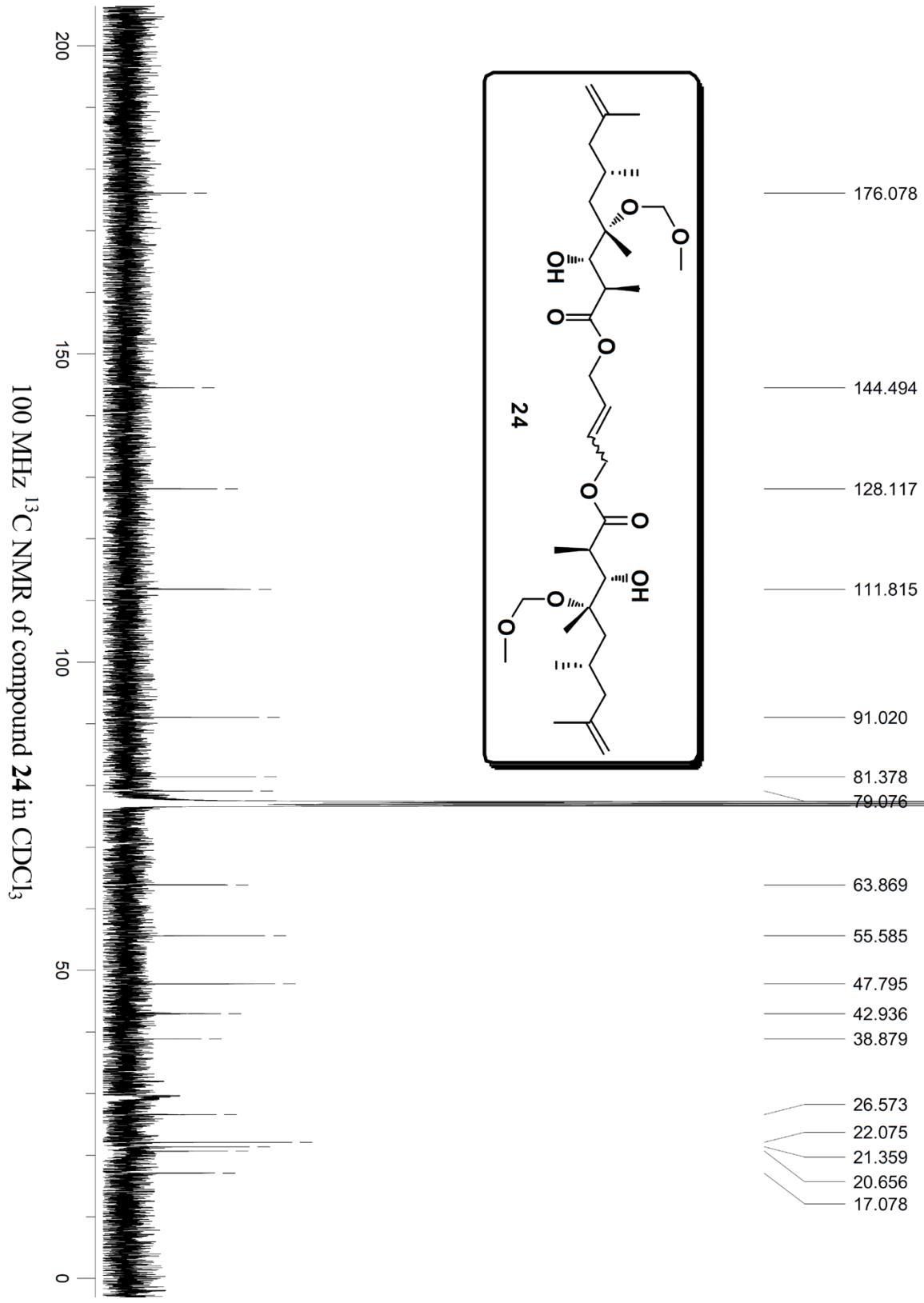


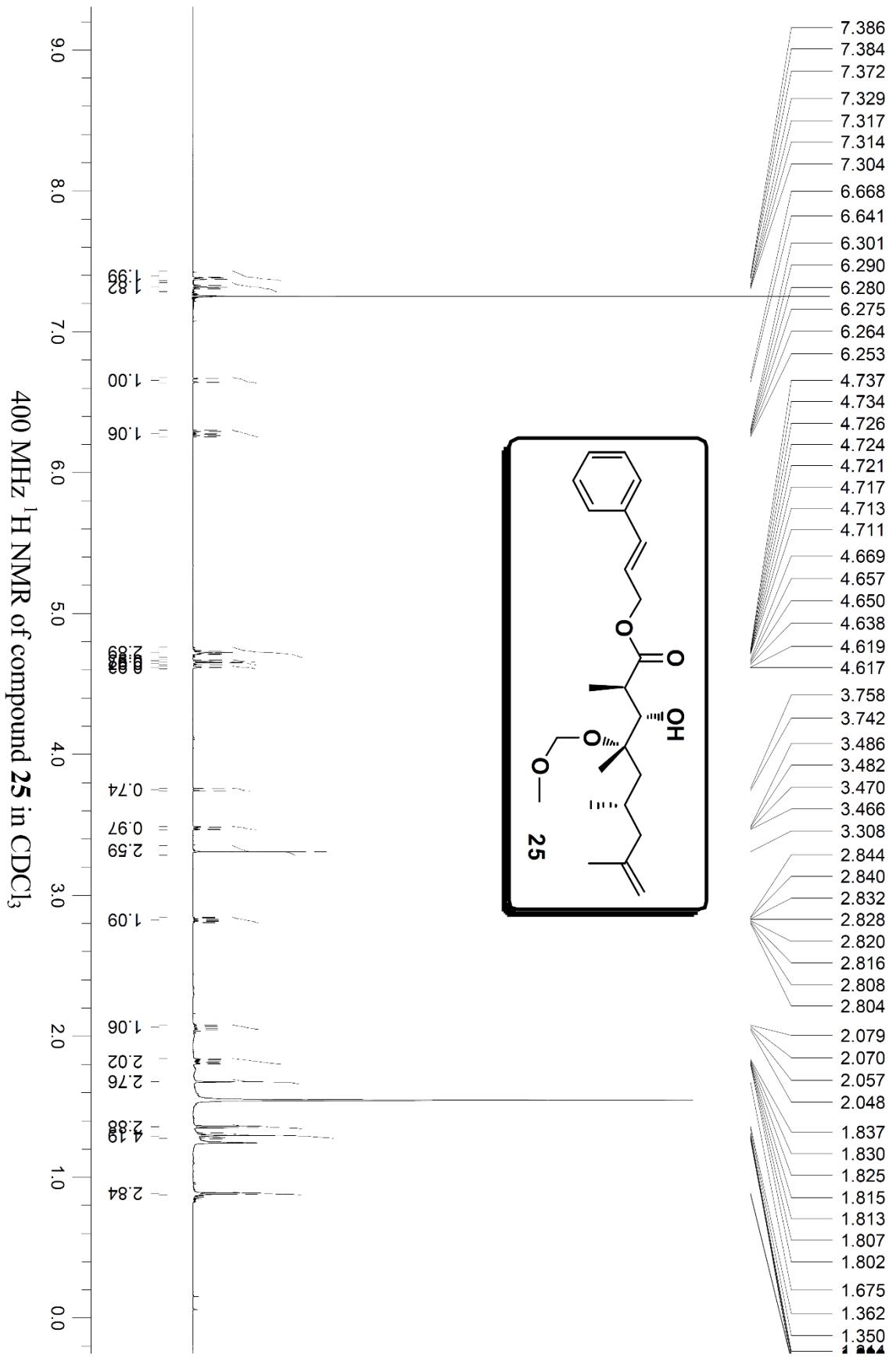




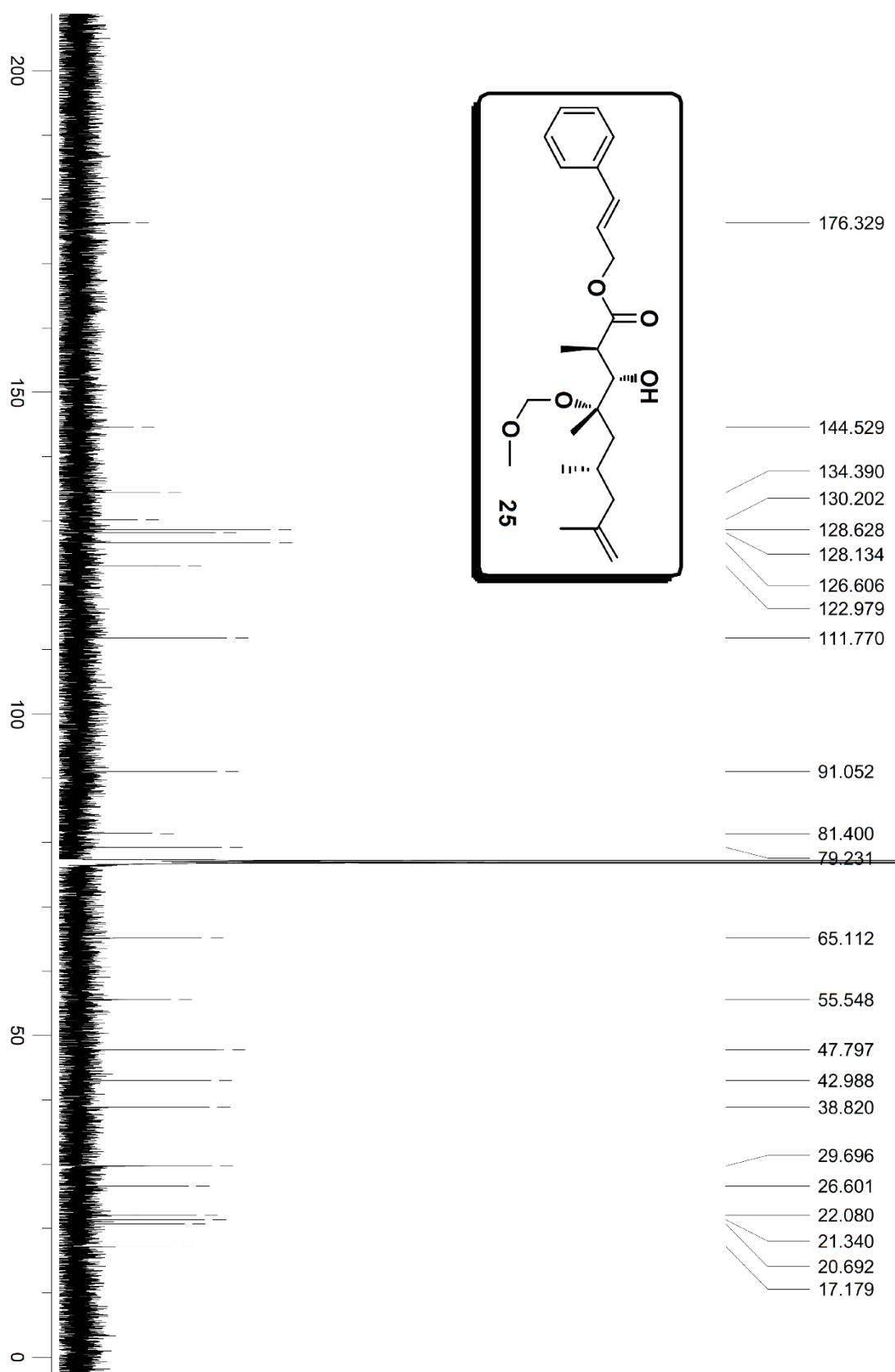


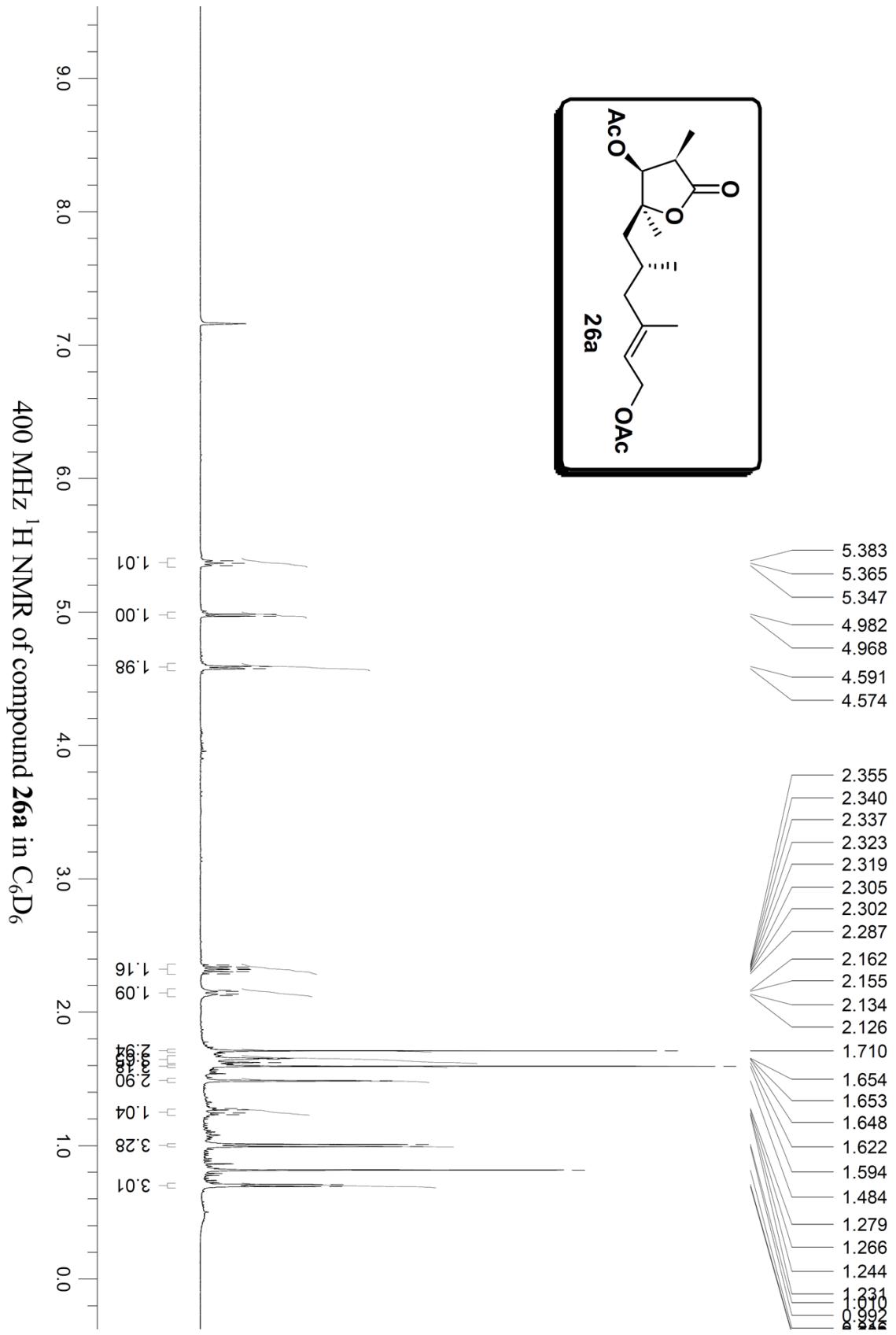


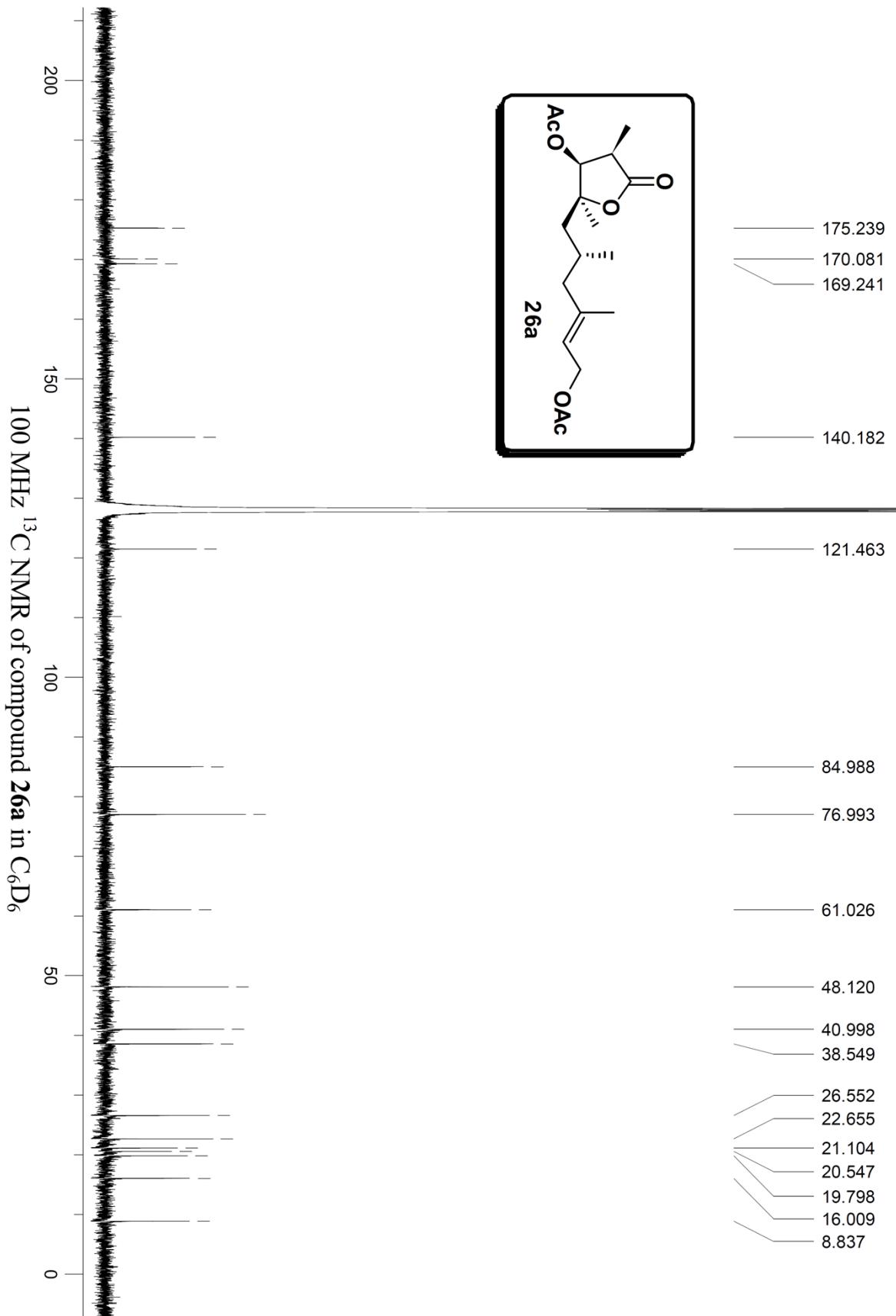


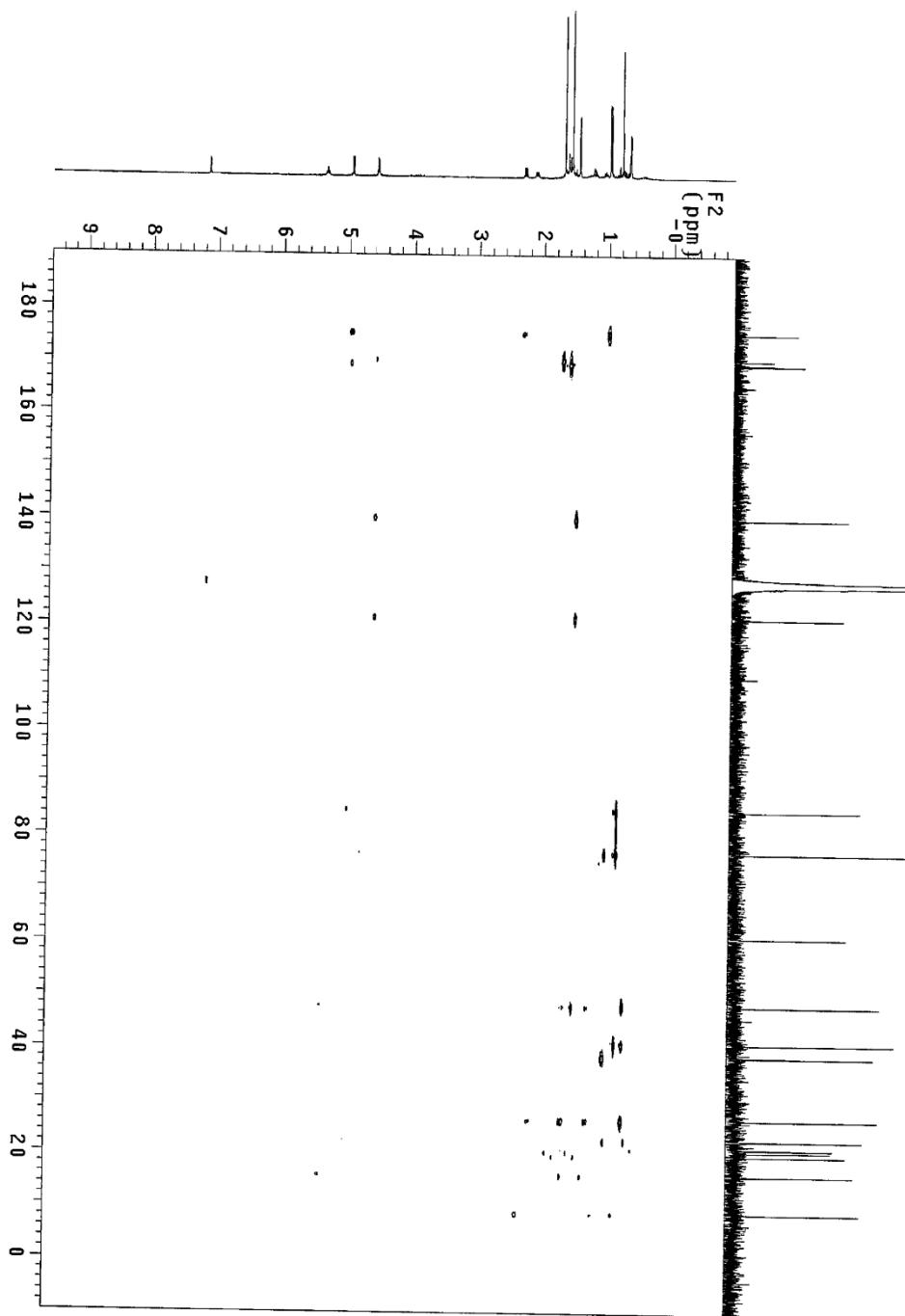
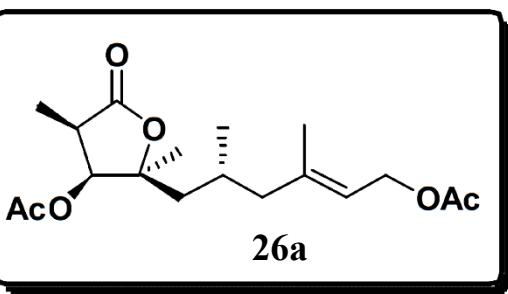


100 MHz ^{13}C NMR of compound **25** in CDCl_3









g-HMBC of compound 26a