

A Gram-Scale Synthesis of Very Long Chain Polyunsaturated Fatty Acids (VLC-PUFAs).

Changqing Song, Alex Wade, Jon D. Rainier

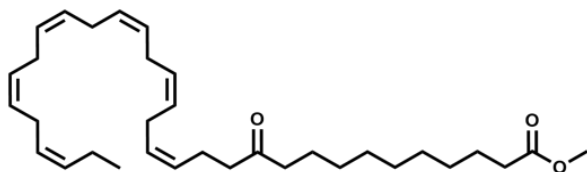
Department of Chemistry

315 South, 1100 East

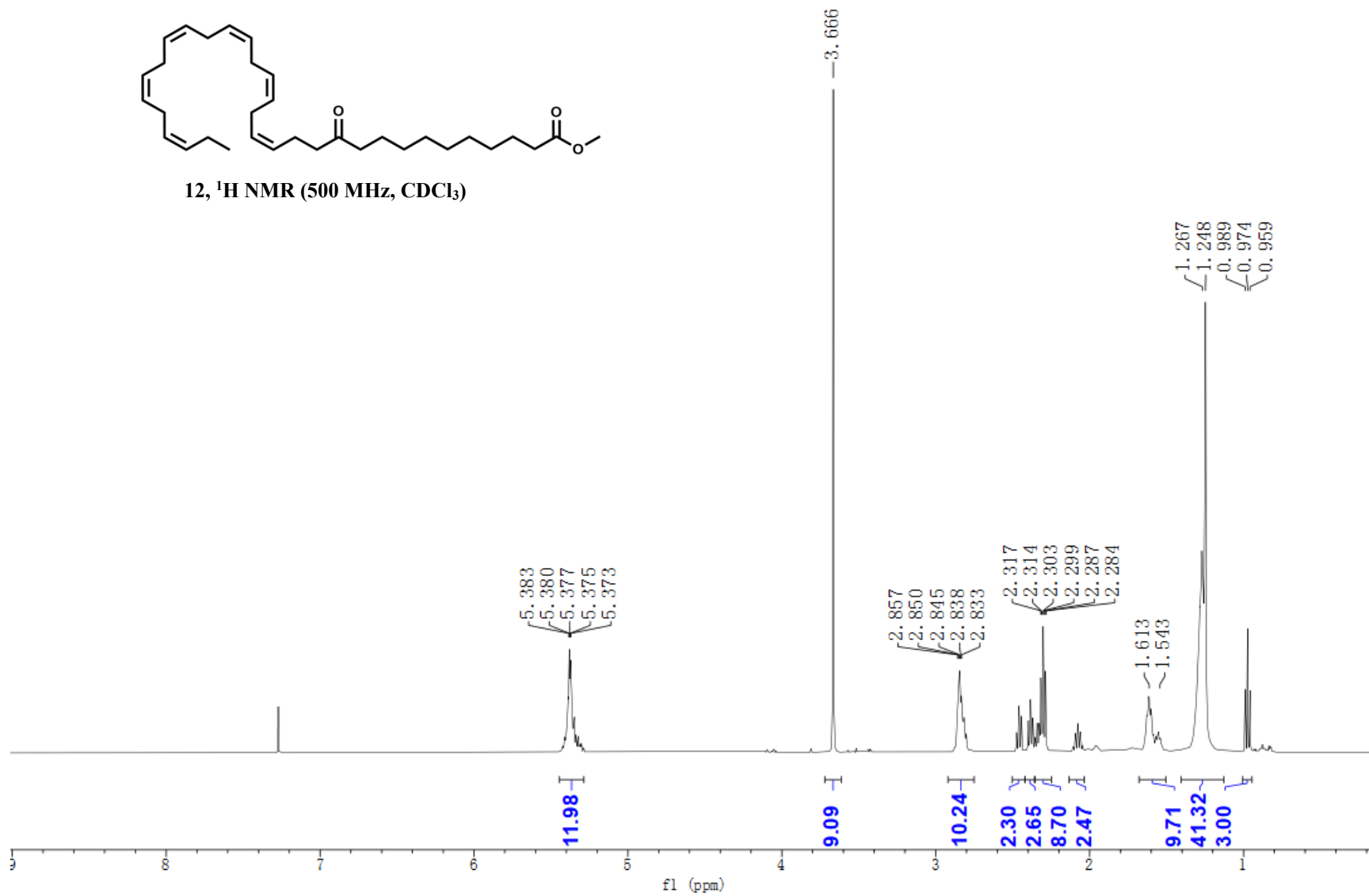
University of Utah 84112

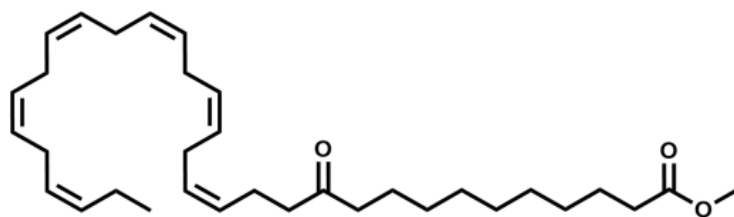
Supporting Information-Spectral Data Table of Contents

Compound	Spectra	Page
12	^1H	2
12	^{13}C	3
13	^1H	4
13	^{13}C	5
S1	^1H	6
S1	^{13}C	7
14	^1H	8
14	^{13}C	9
1	^1H	10
1	^{13}C	11
16	^1H	12
16	^{13}C	13
17	^1H	14
17	^{13}C	15
18	^1H	16
18	^{13}C	17
19	^1H	18
19	^{13}C	19
20	^1H (CDCl_3)	20
20	^1H ($\text{DMSO}-d_6$)	21
20	^{13}C	22

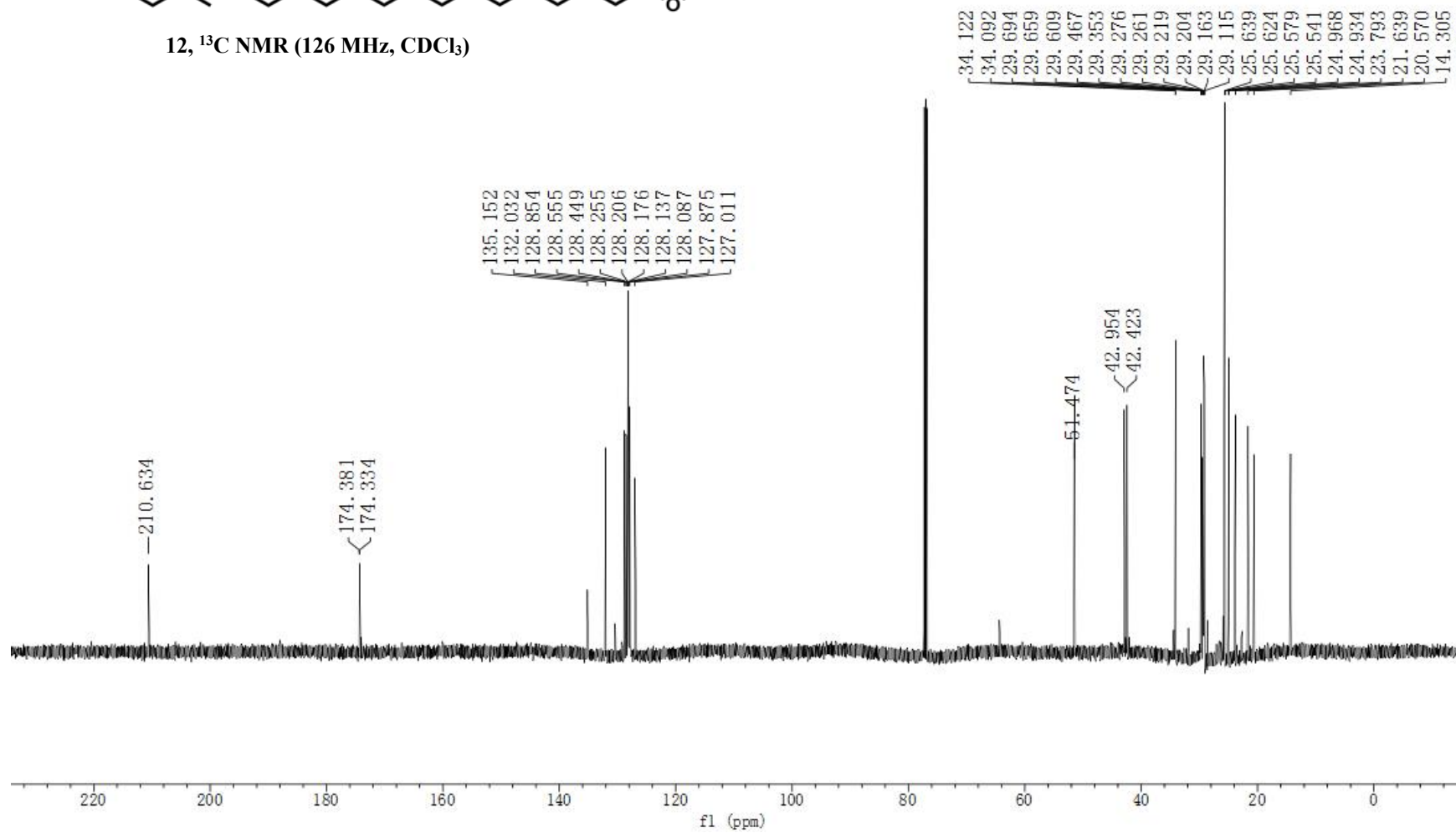


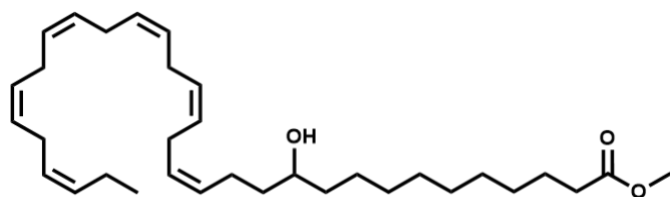
12, ¹H NMR (500 MHz, CDCl₃)



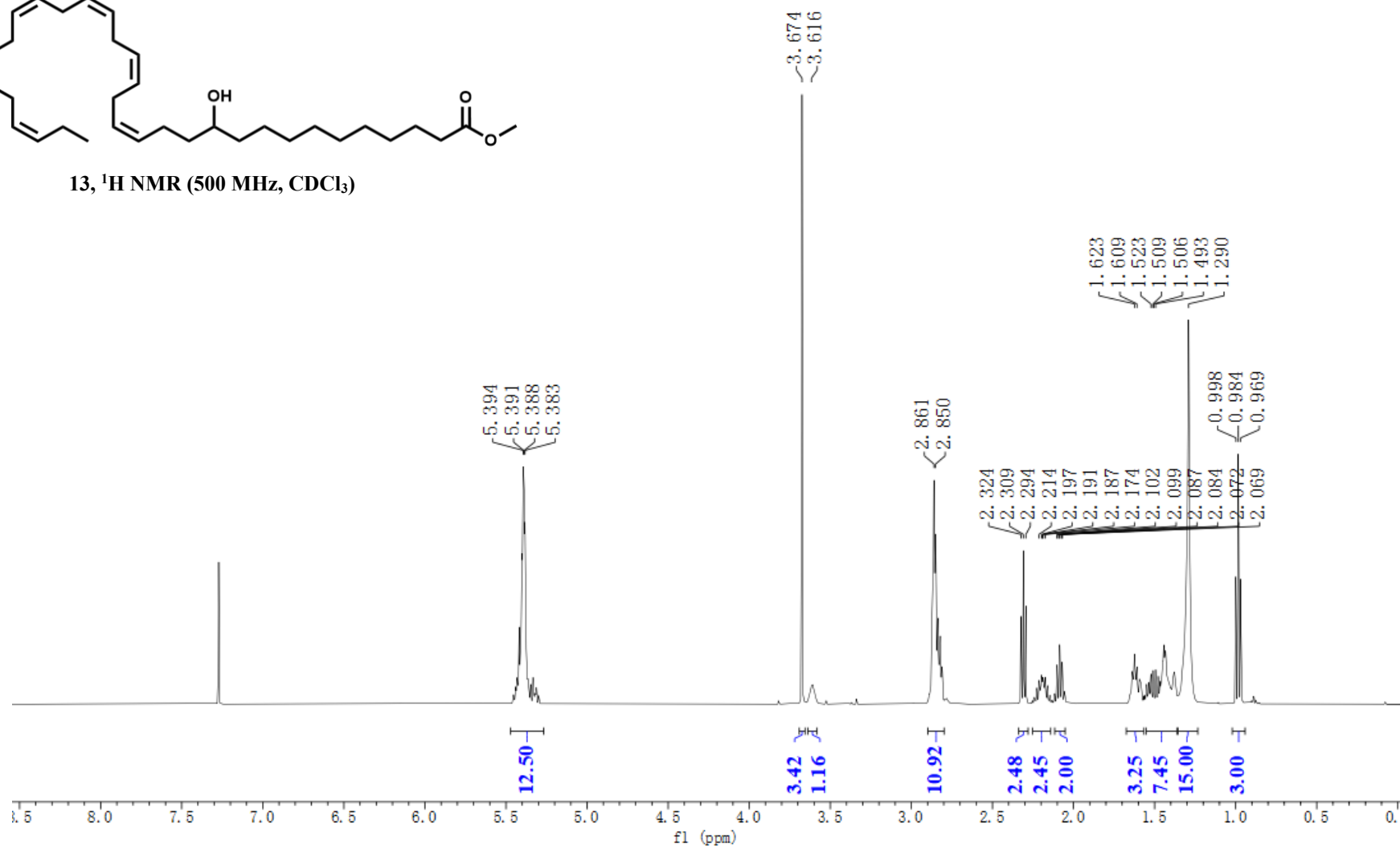


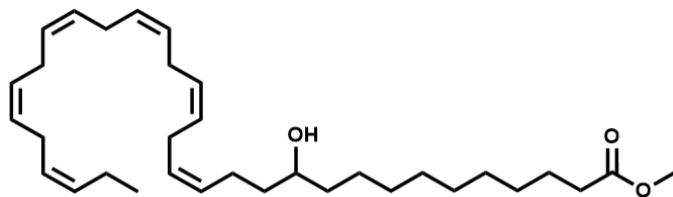
12, ^{13}C NMR (126 MHz, CDCl_3)



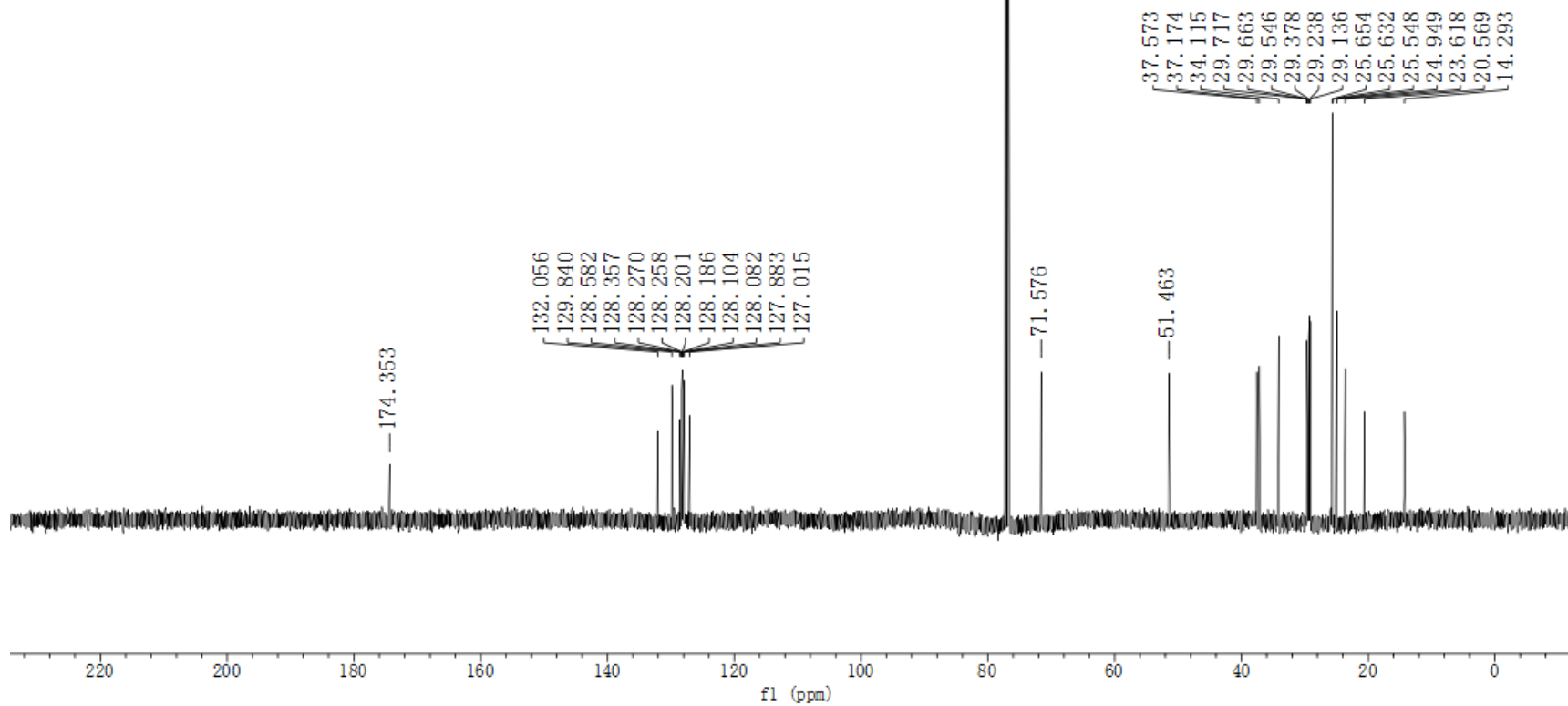


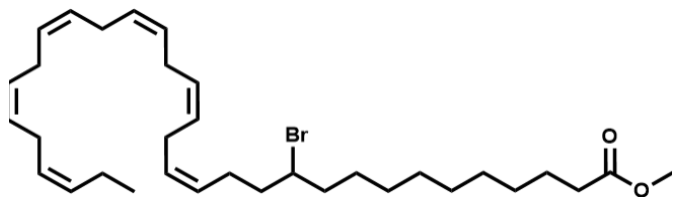
13, ¹H NMR (500 MHz, CDCl₃)



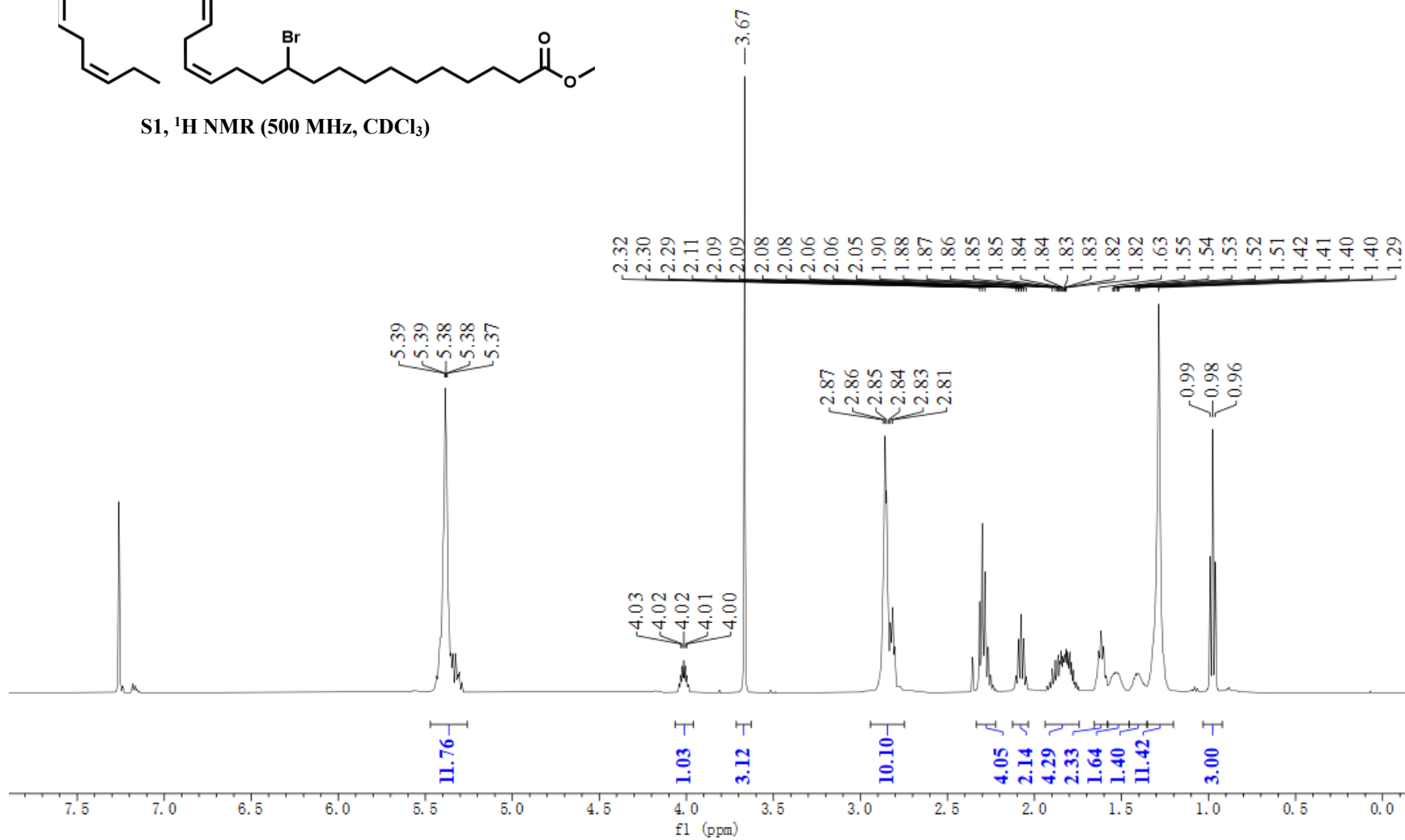


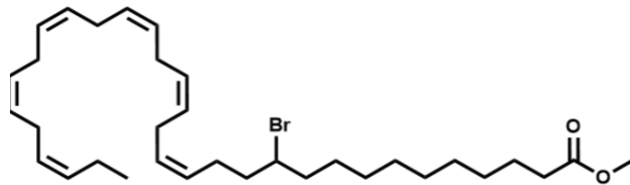
13, ^{13}C NMR (126 MHz, CDCl_3)



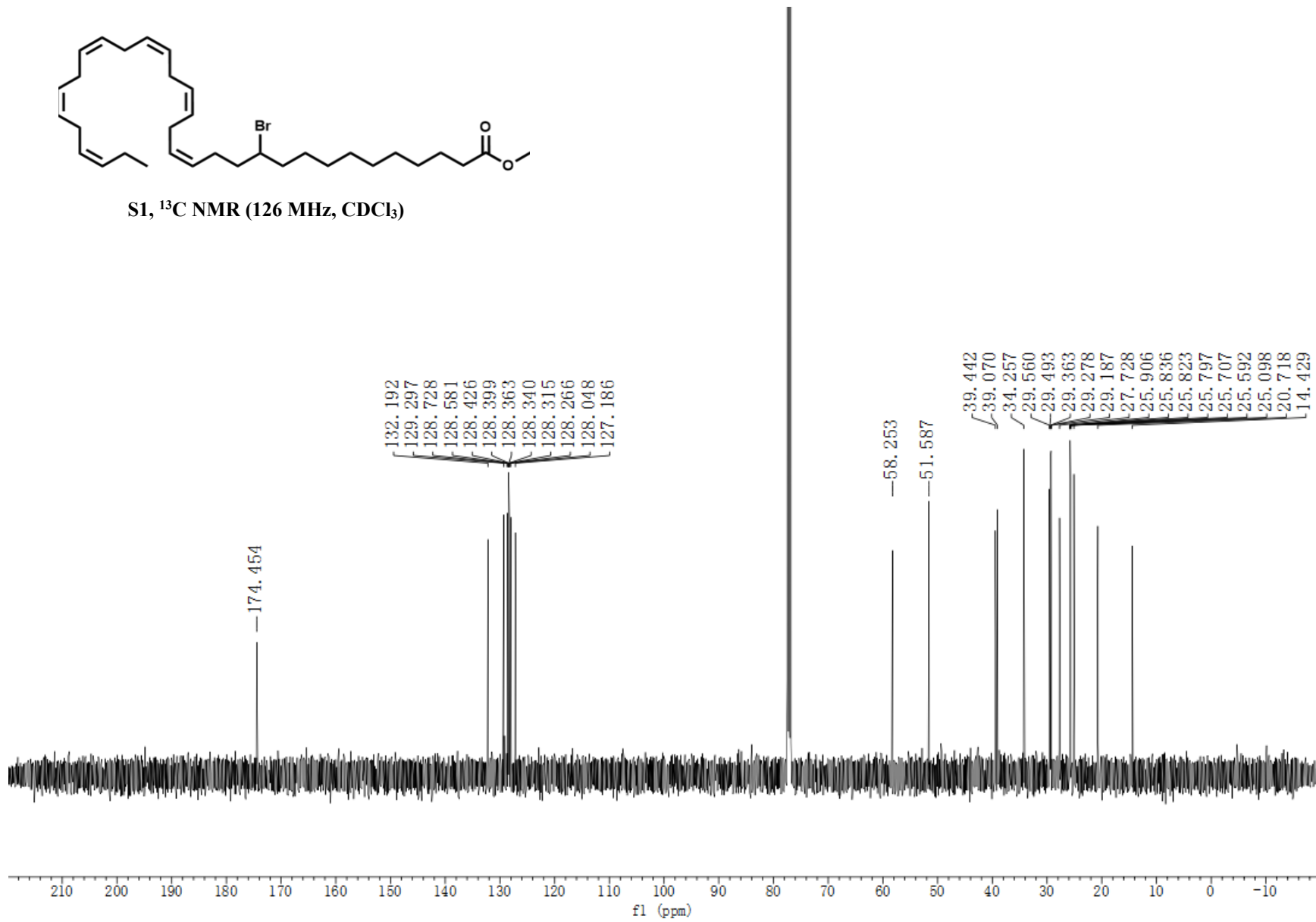


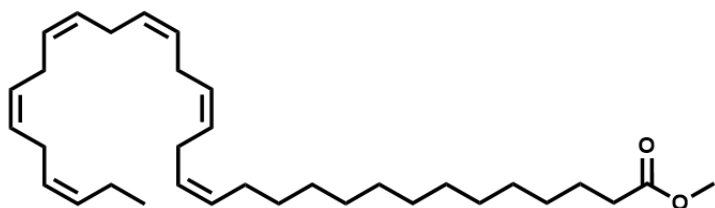
S1, ¹H NMR (500 MHz, CDCl₃)



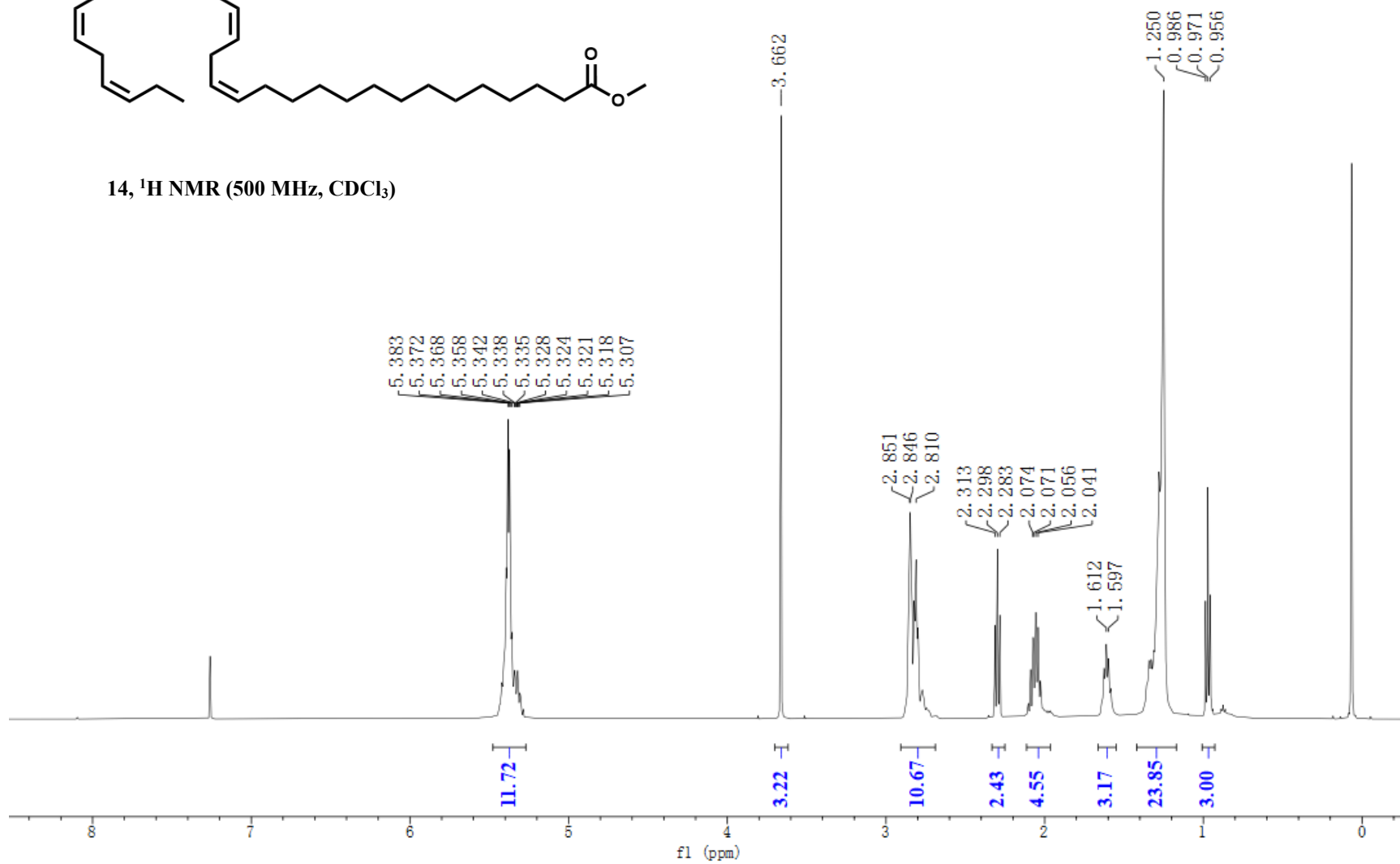


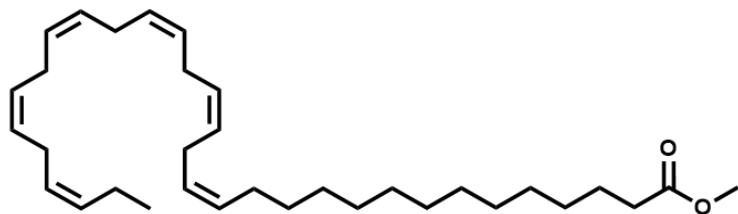
S1, ¹³C NMR (126 MHz, CDCl₃)



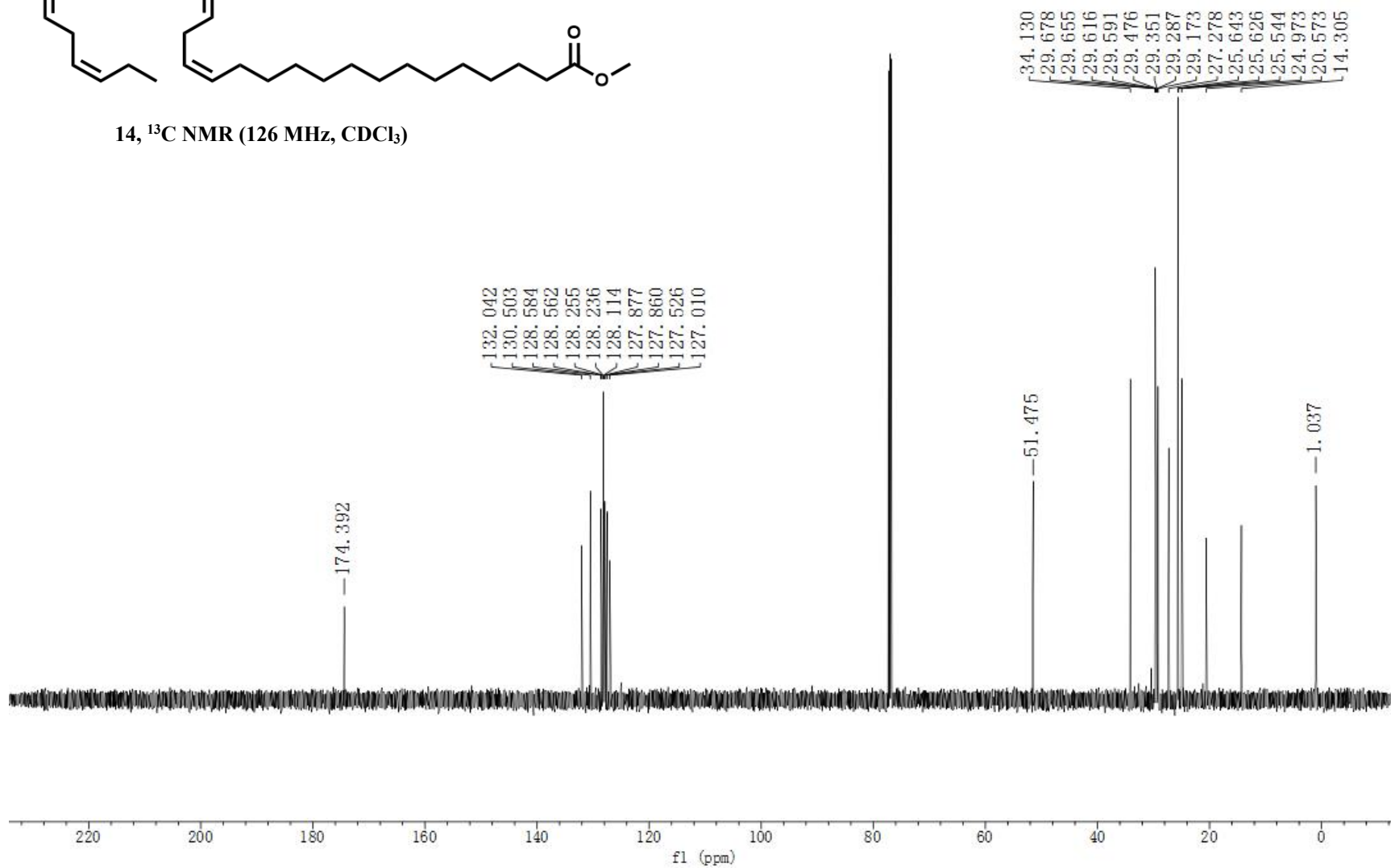


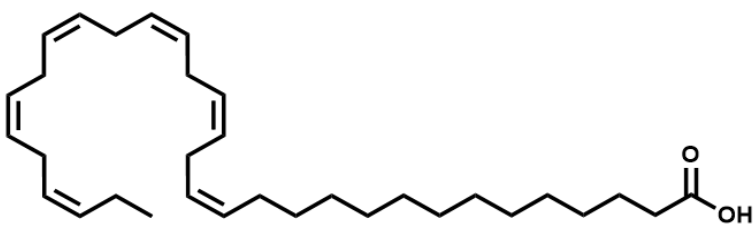
14, ^1H NMR (500 MHz, CDCl_3)



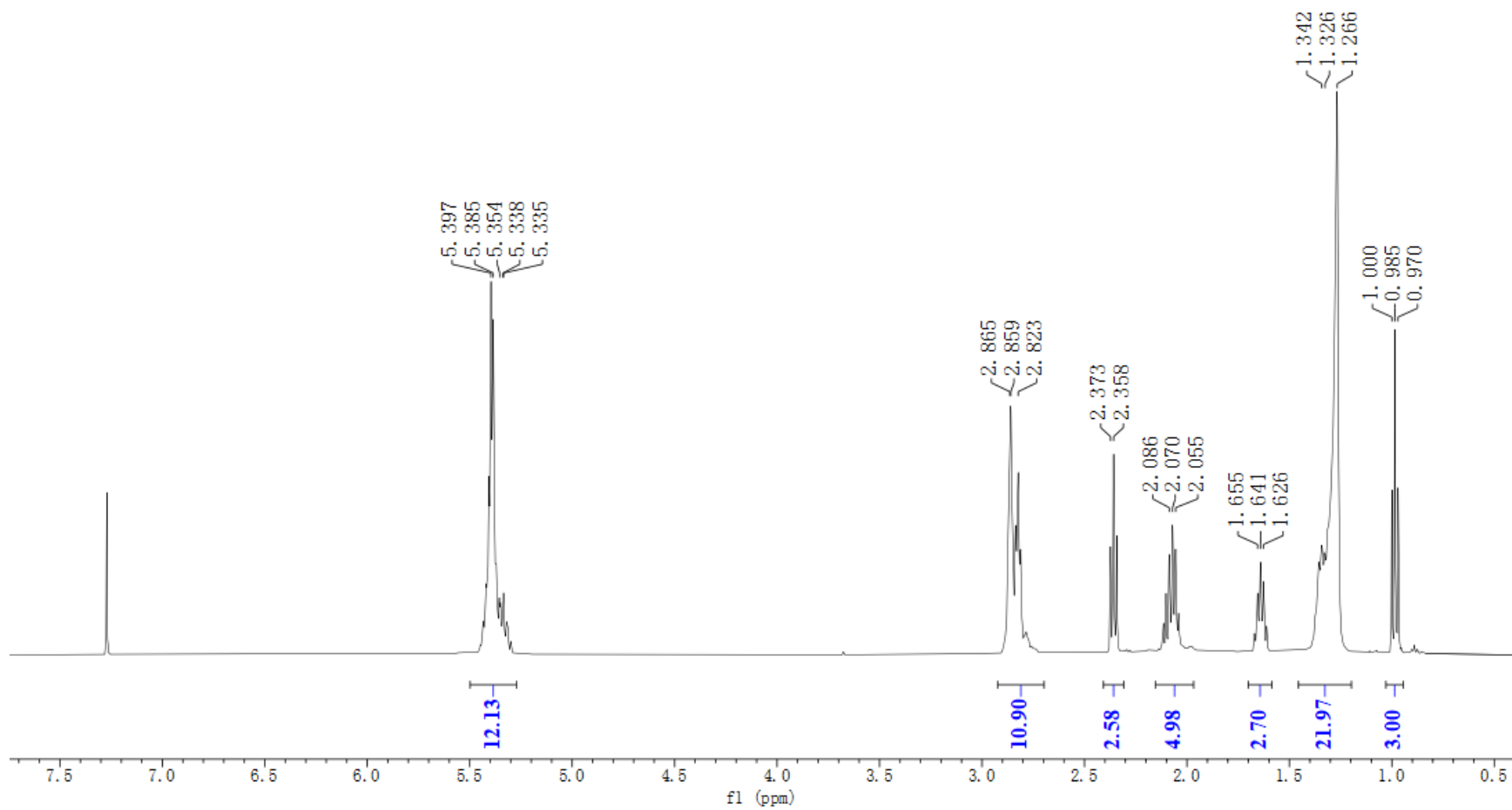


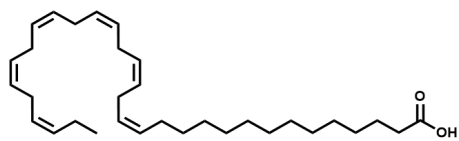
14, ^{13}C NMR (126 MHz, CDCl_3)



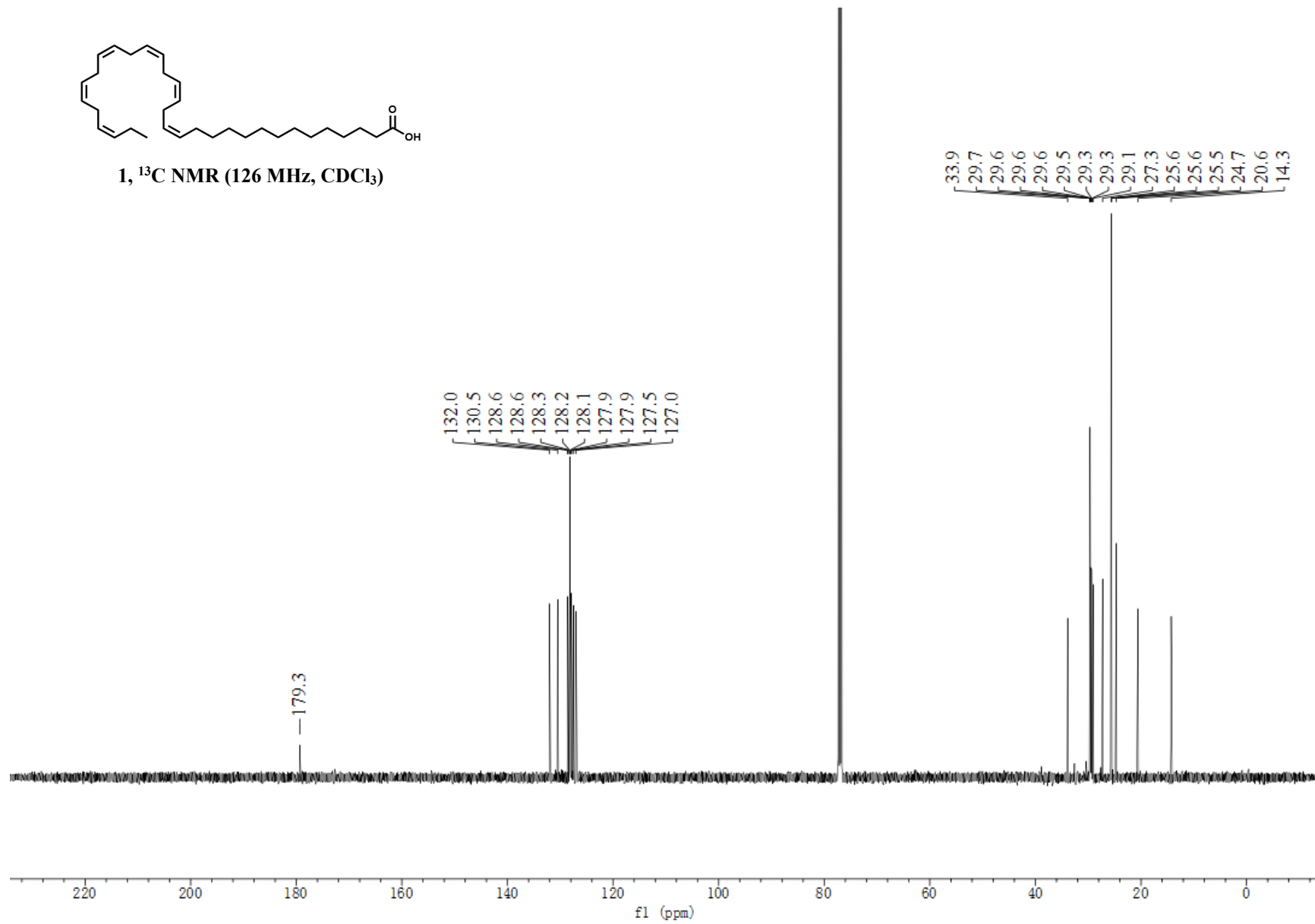


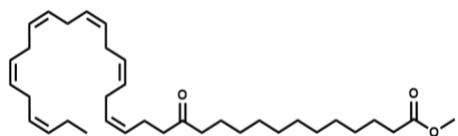
1, ¹H NMR (500 MHz, CDCl₃)



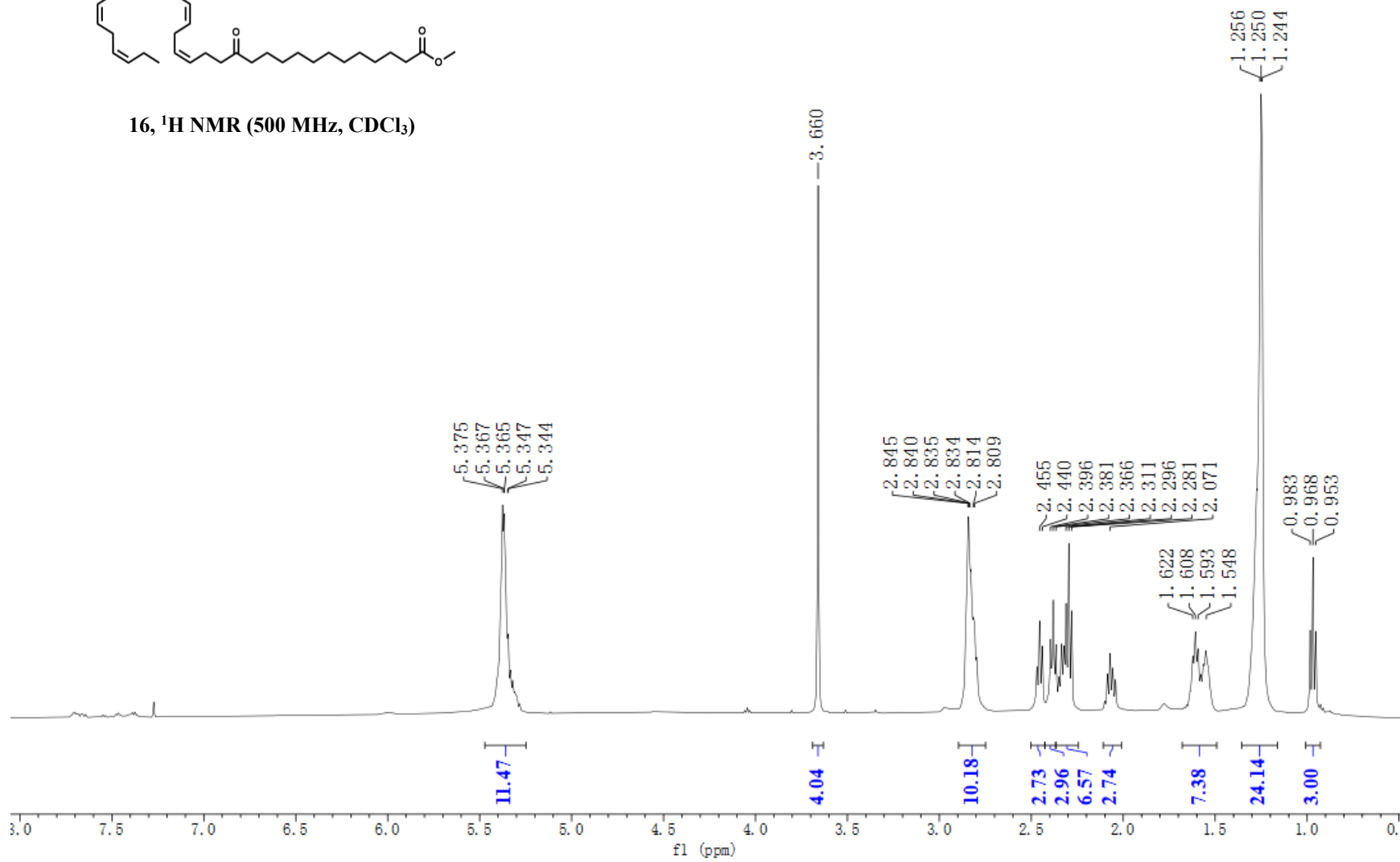


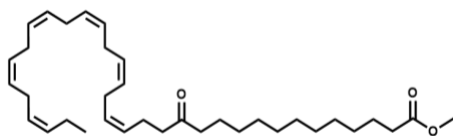
1, ^{13}C NMR (126 MHz, CDCl_3)



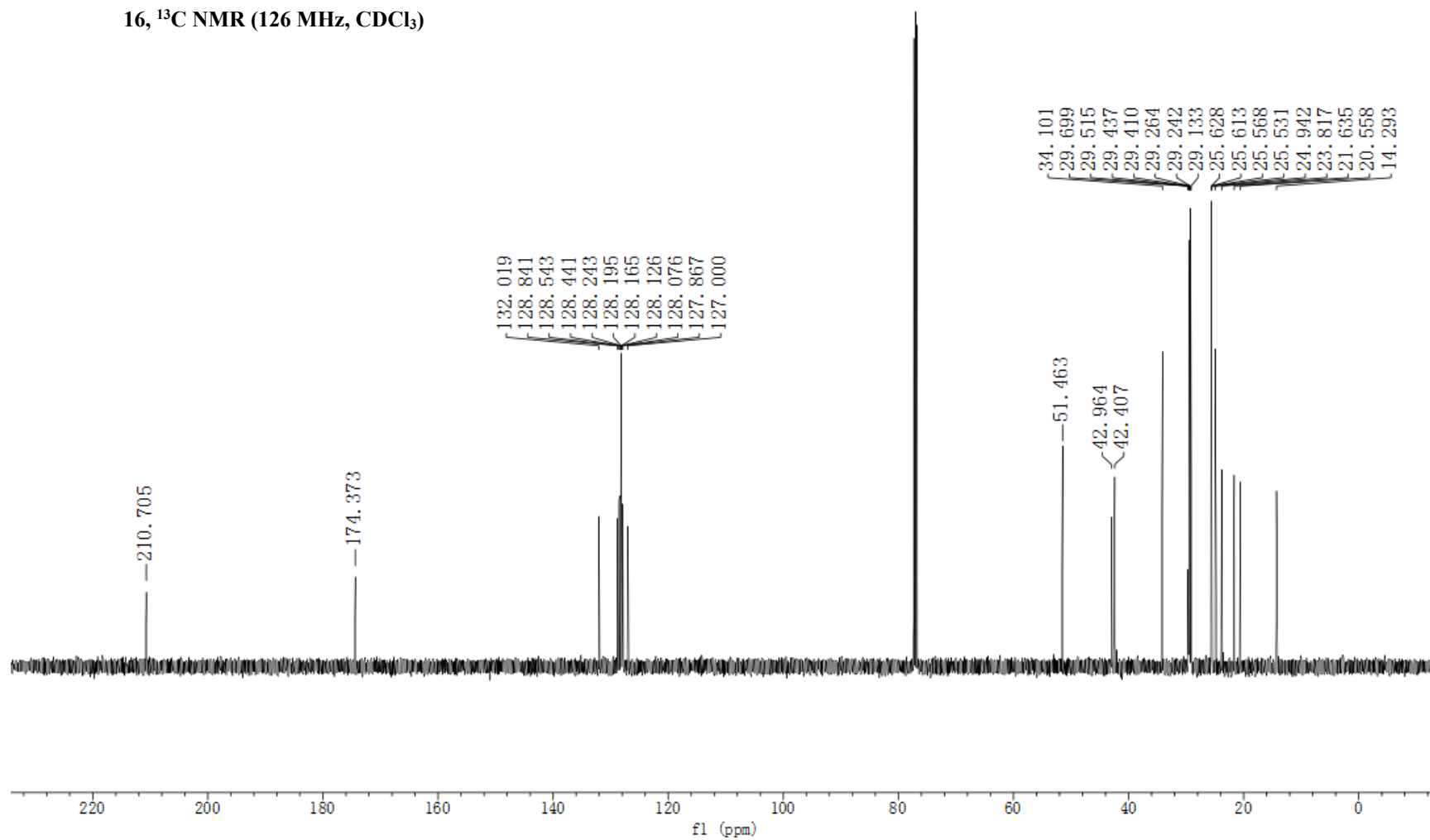


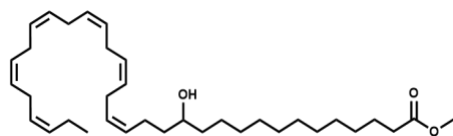
16, ¹H NMR (500 MHz, CDCl₃)



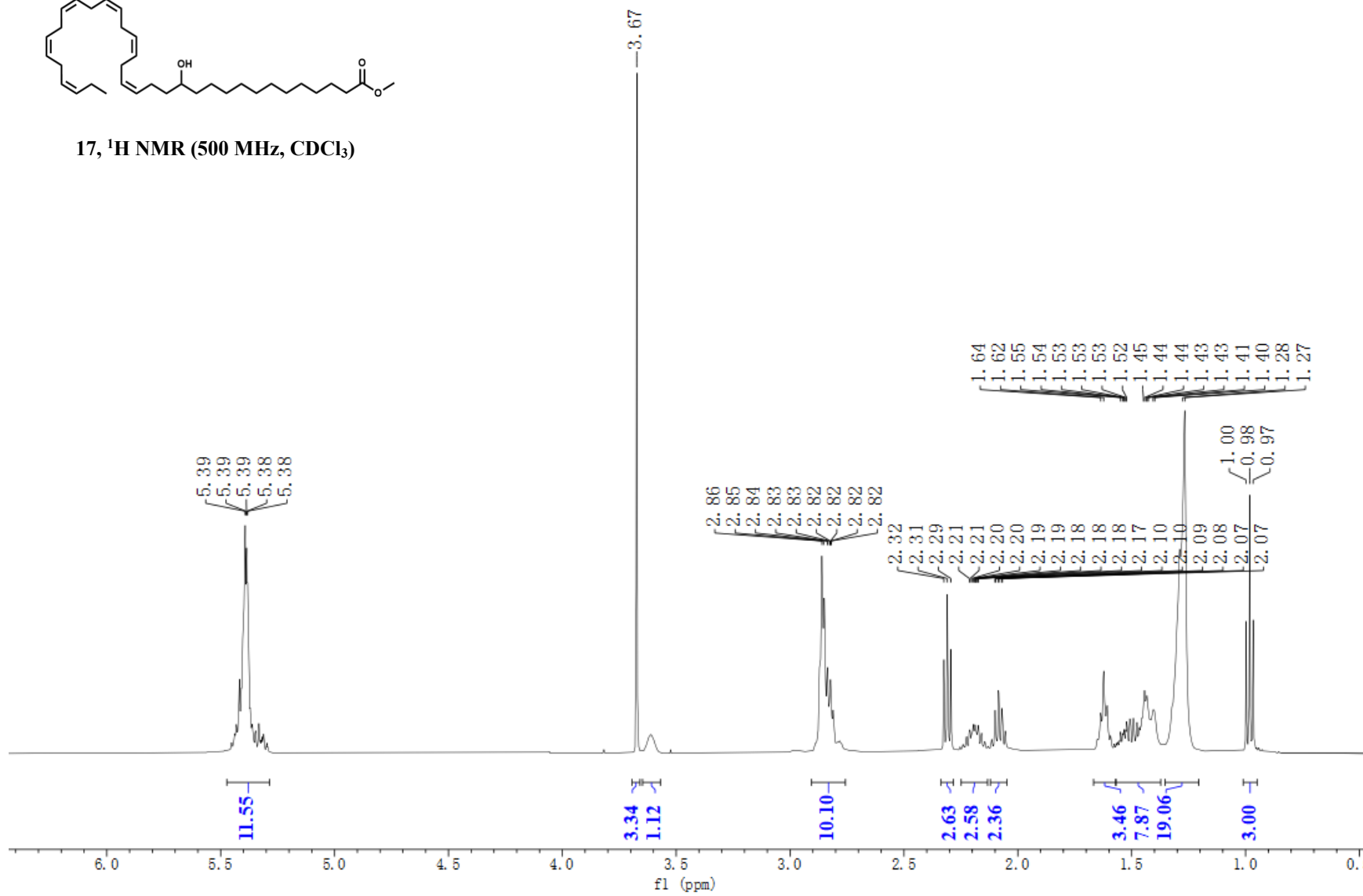


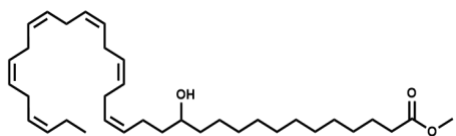
16, ^{13}C NMR (126 MHz, CDCl_3)



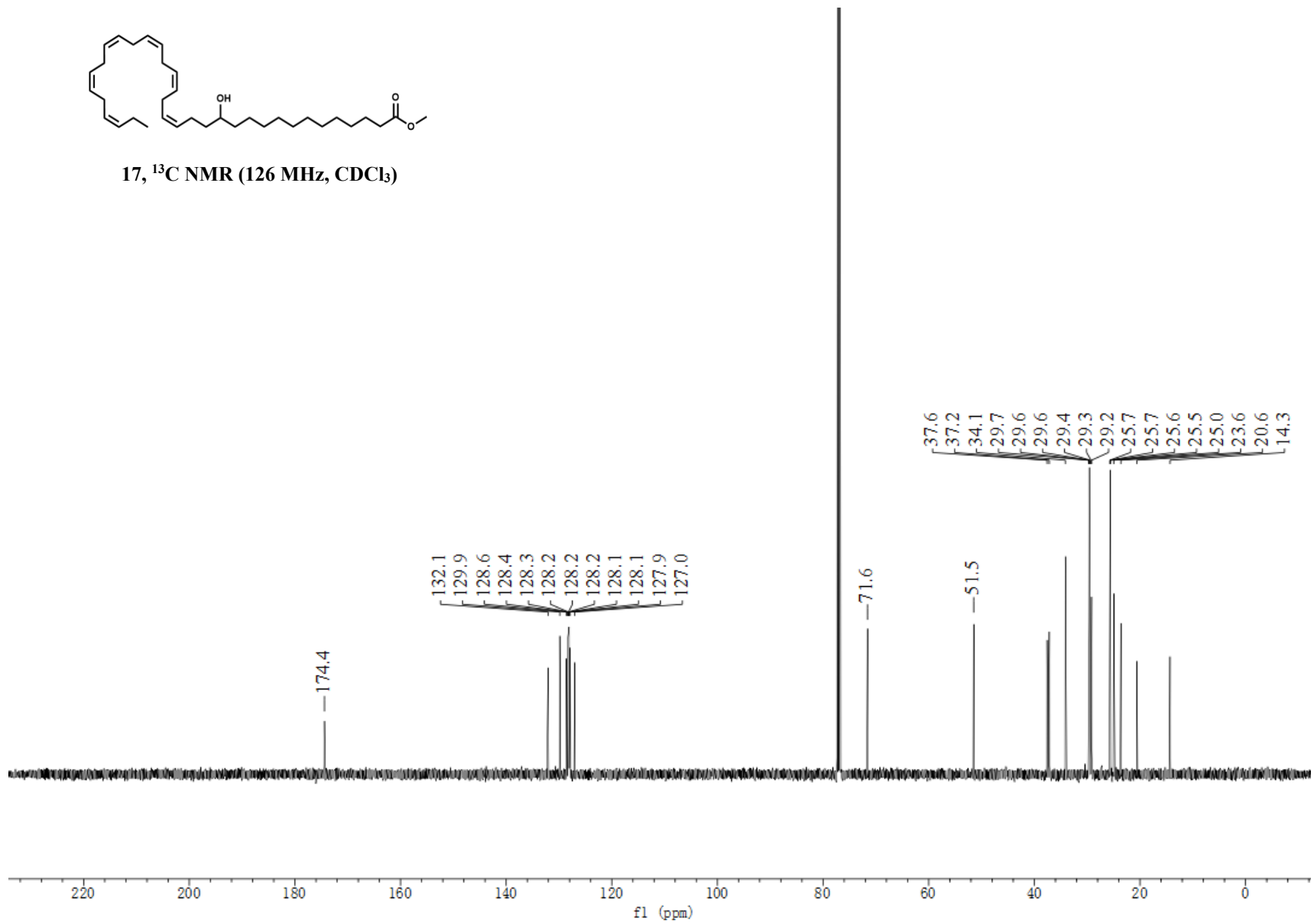


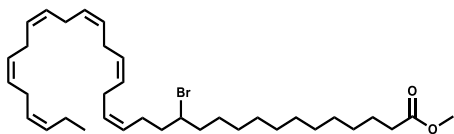
17, ¹H NMR (500 MHz, CDCl₃)



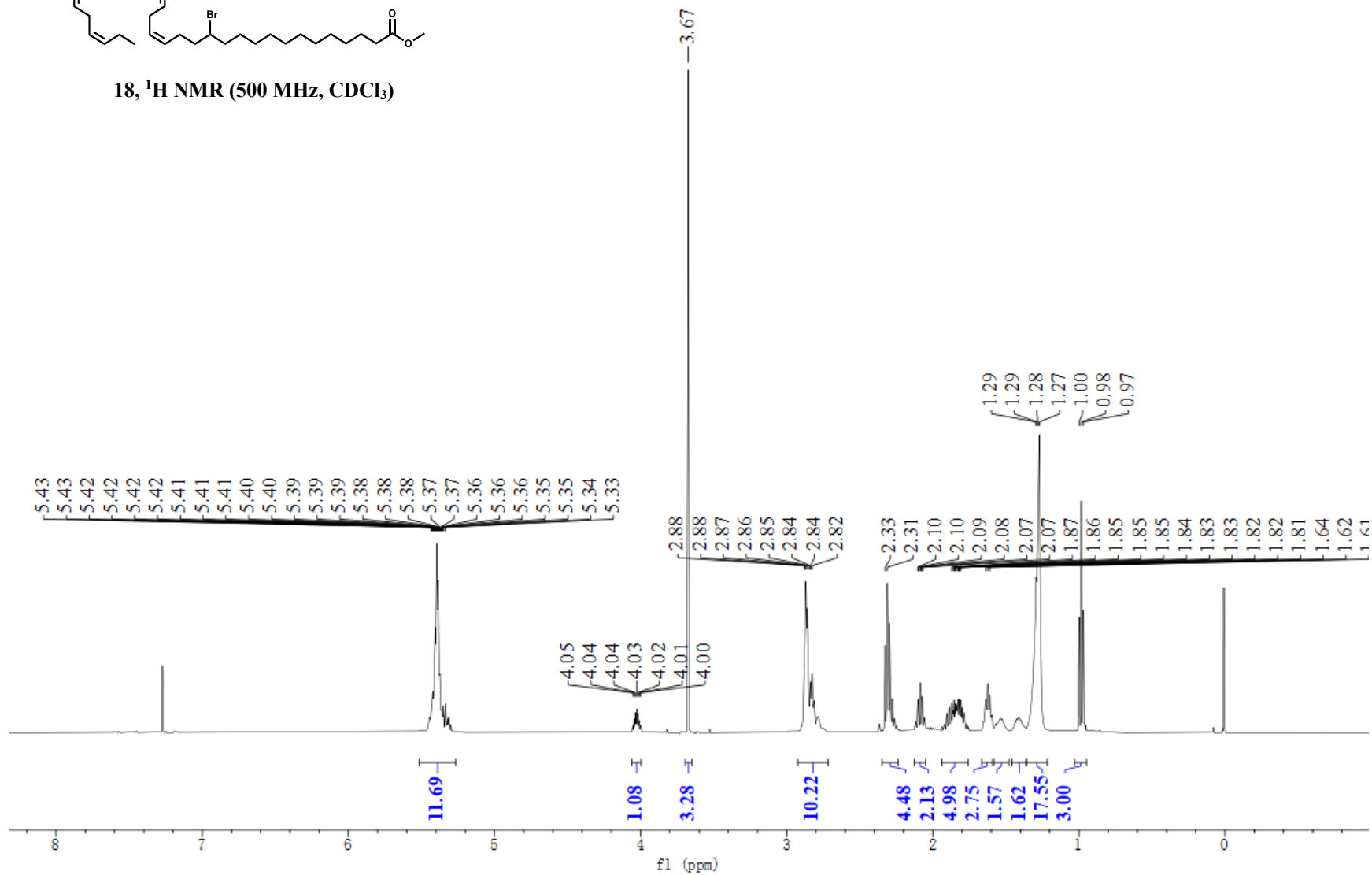


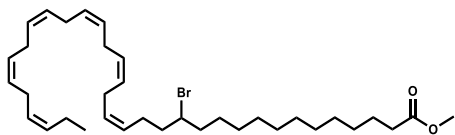
17, ^{13}C NMR (126 MHz, CDCl_3)



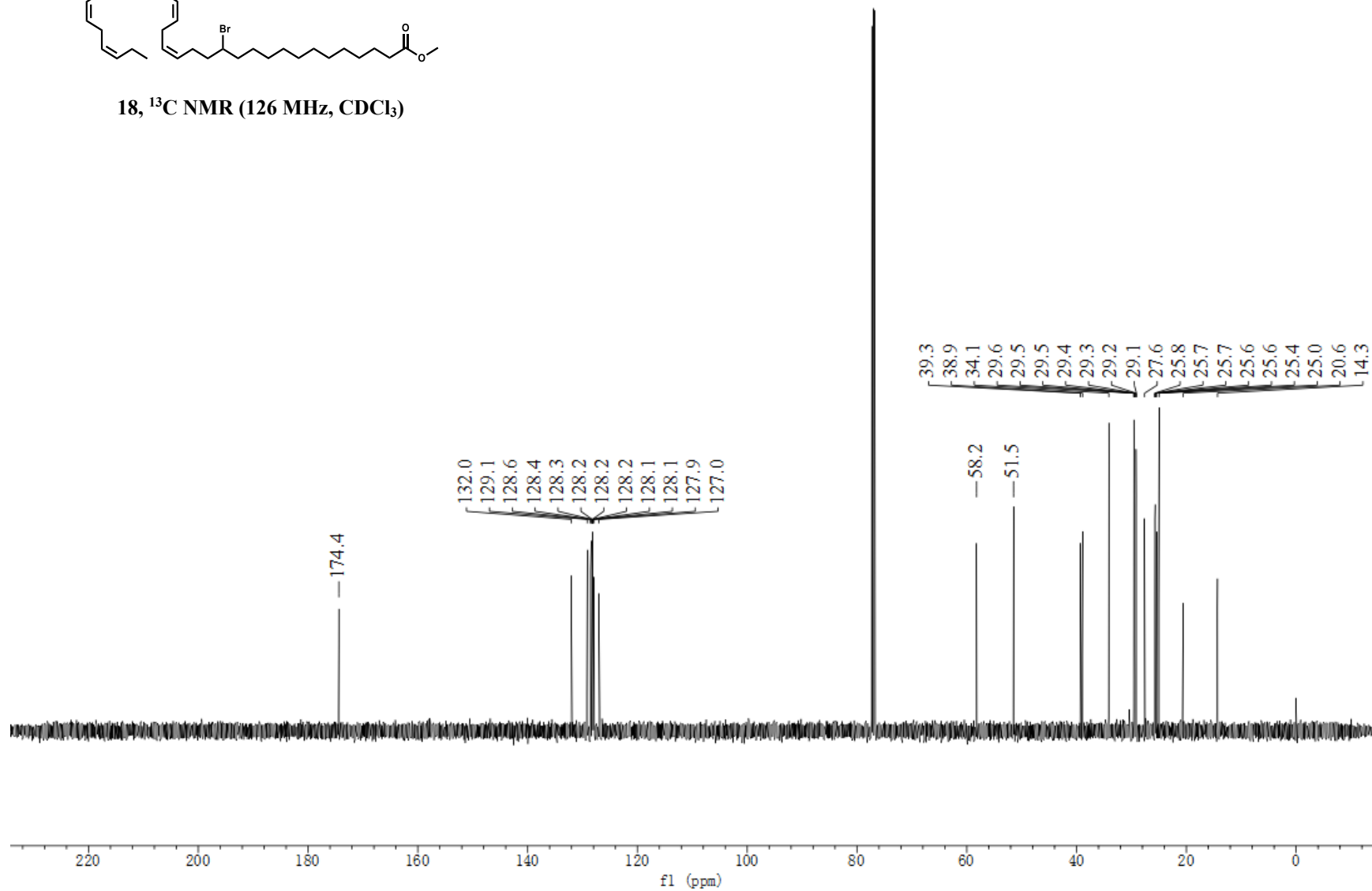


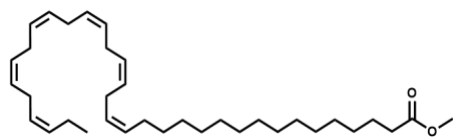
18, ¹H NMR (500 MHz, CDCl₃)



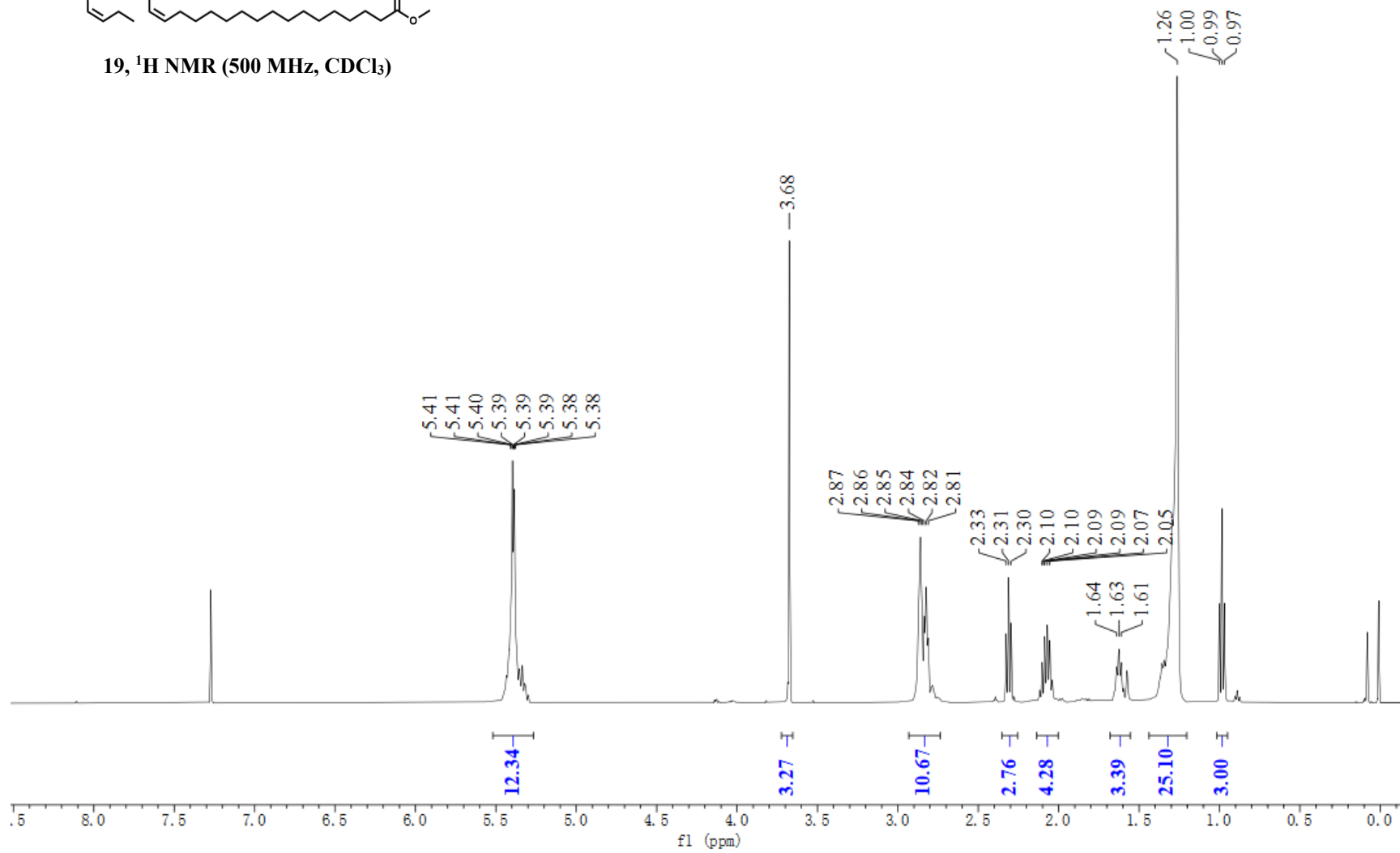


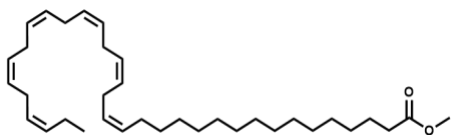
18, ^{13}C NMR (126 MHz, CDCl_3)



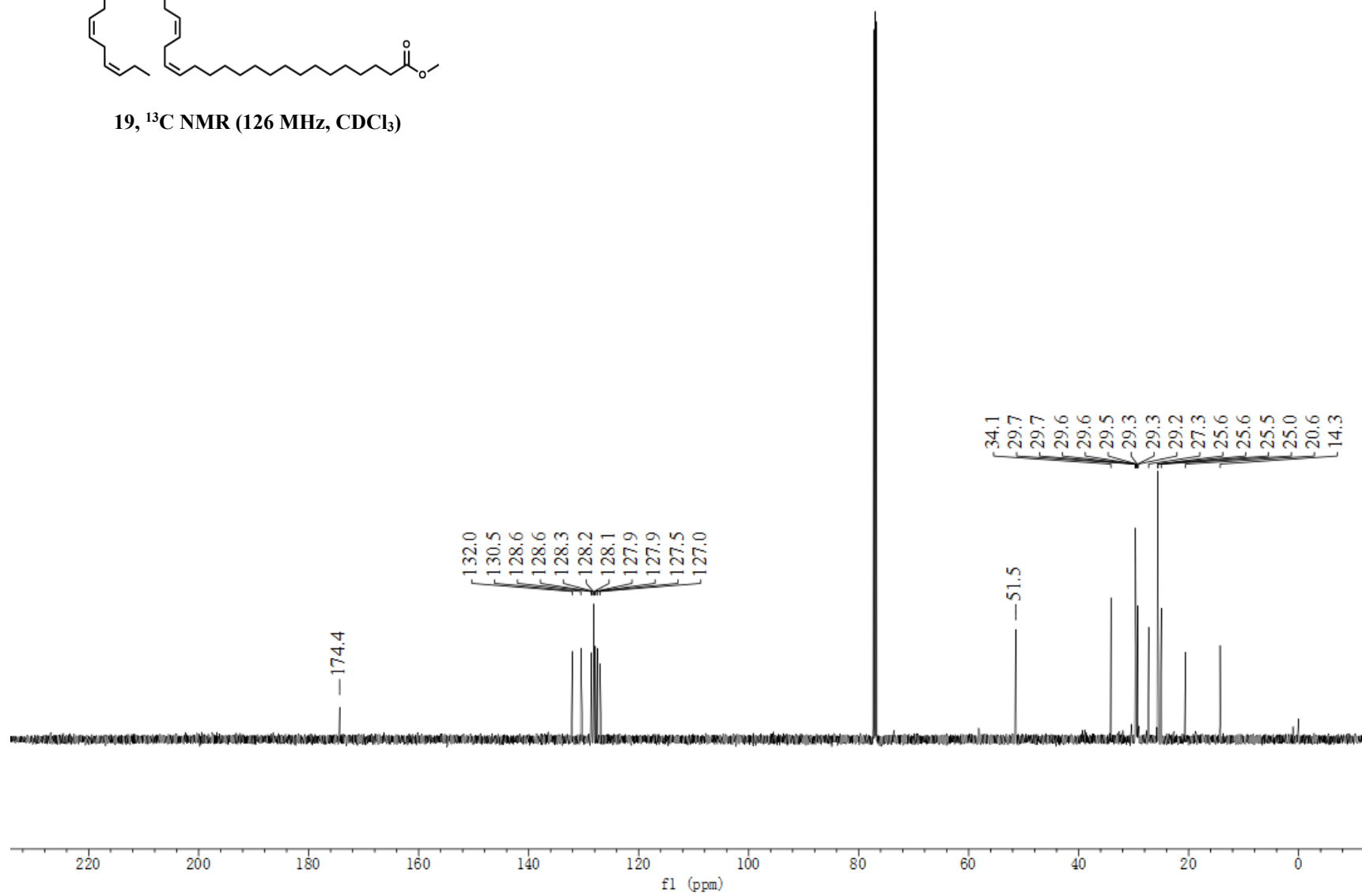


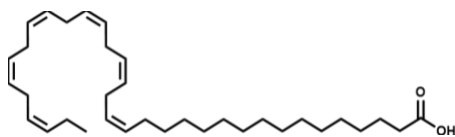
19, ¹H NMR (500 MHz, CDCl₃)



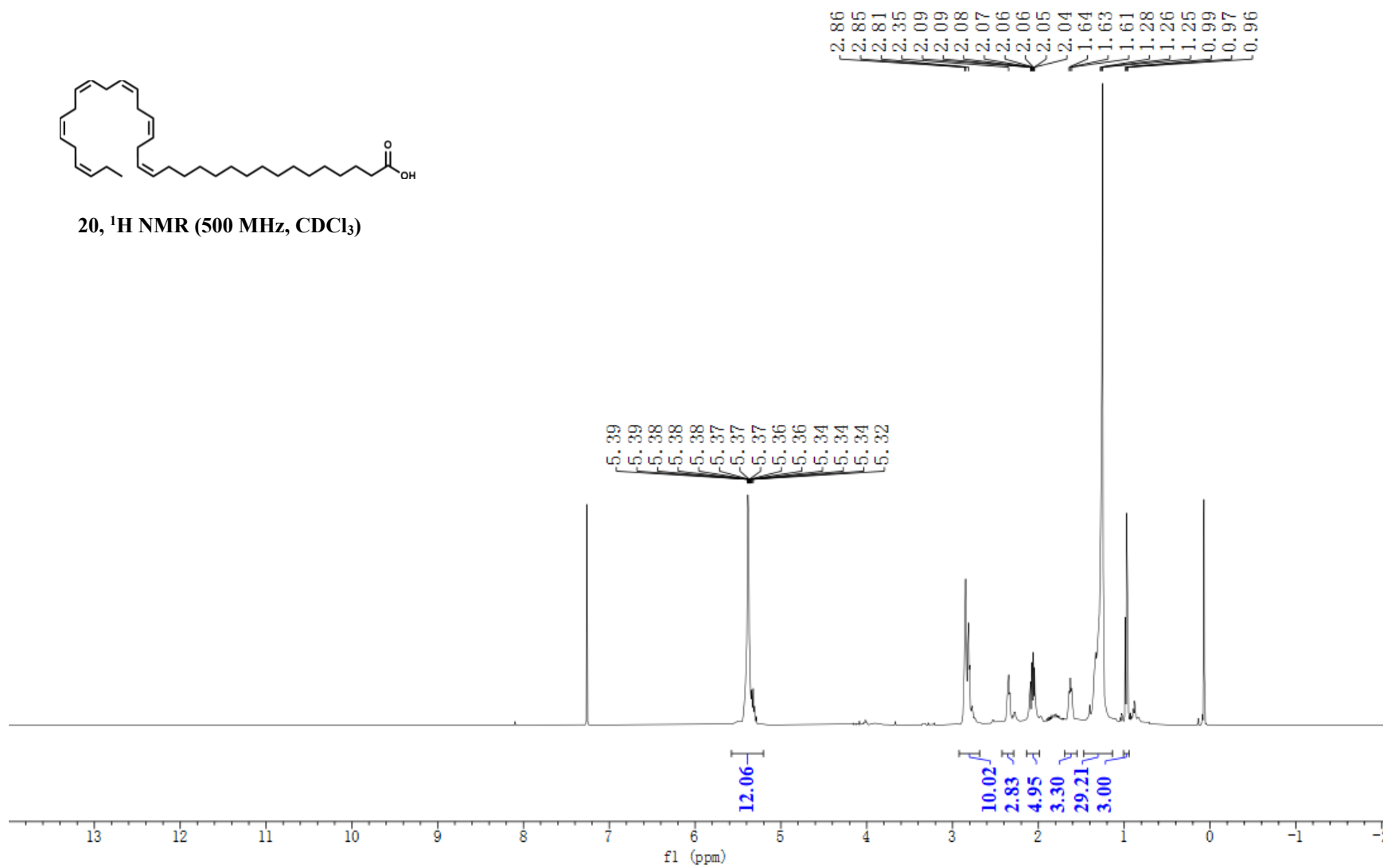


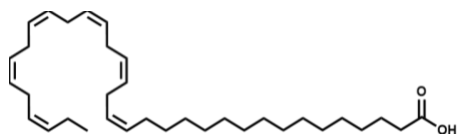
19, ^{13}C NMR (126 MHz, CDCl_3)



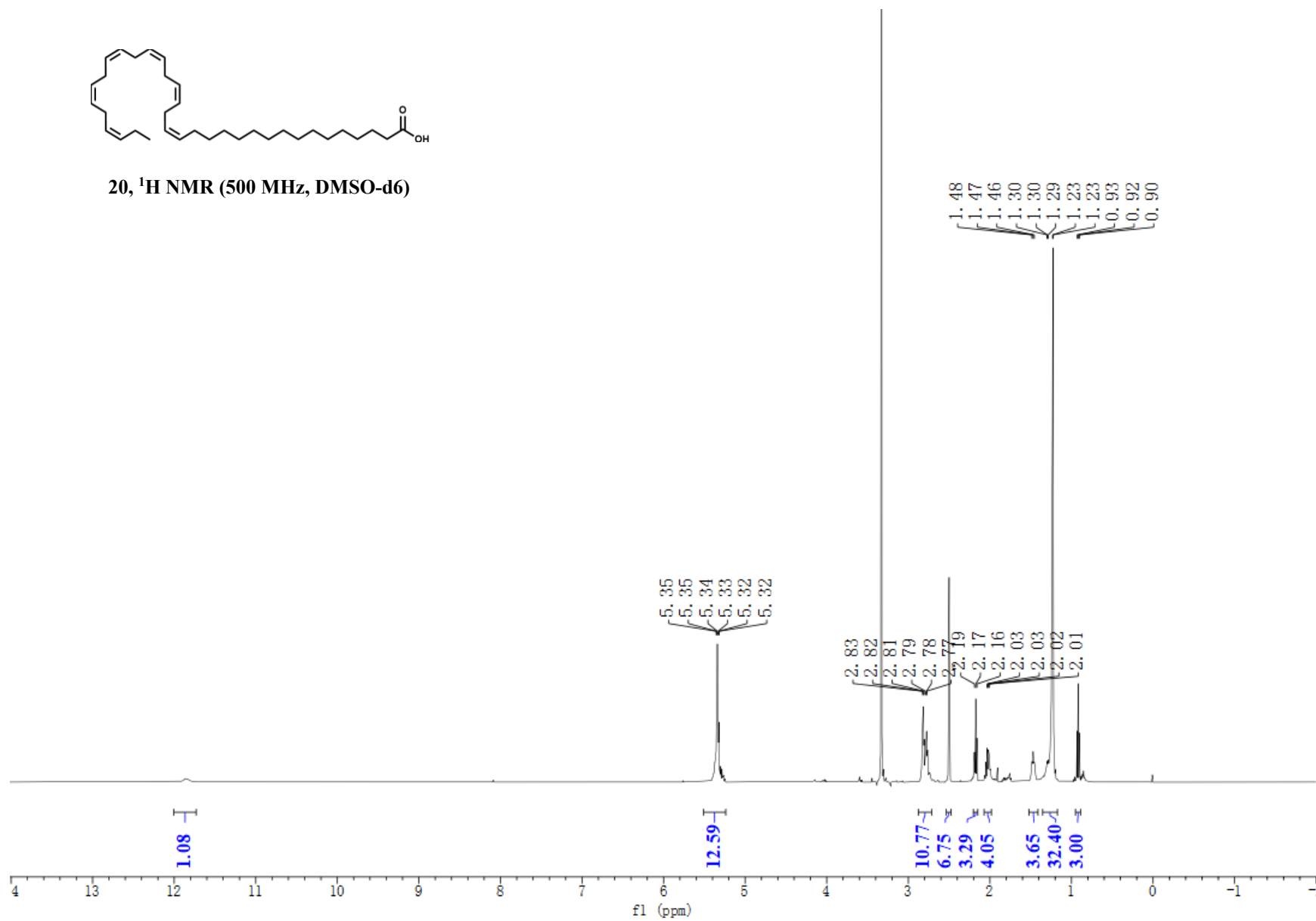


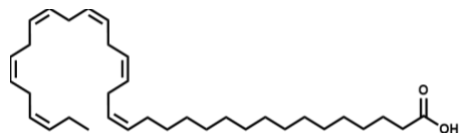
20, ¹H NMR (500 MHz, CDCl₃)





20, ¹H NMR (500 MHz, DMSO-d₆)





20, ^{13}C NMR (126 MHz, DMSO-d6)

