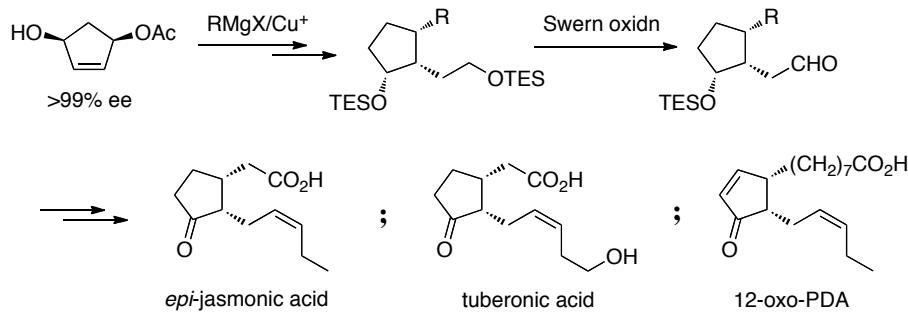
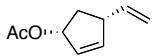


Stereoselective synthesis of *epi*-jasmonic acid, tuberonic acid, and 12-oxo-PDA

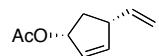
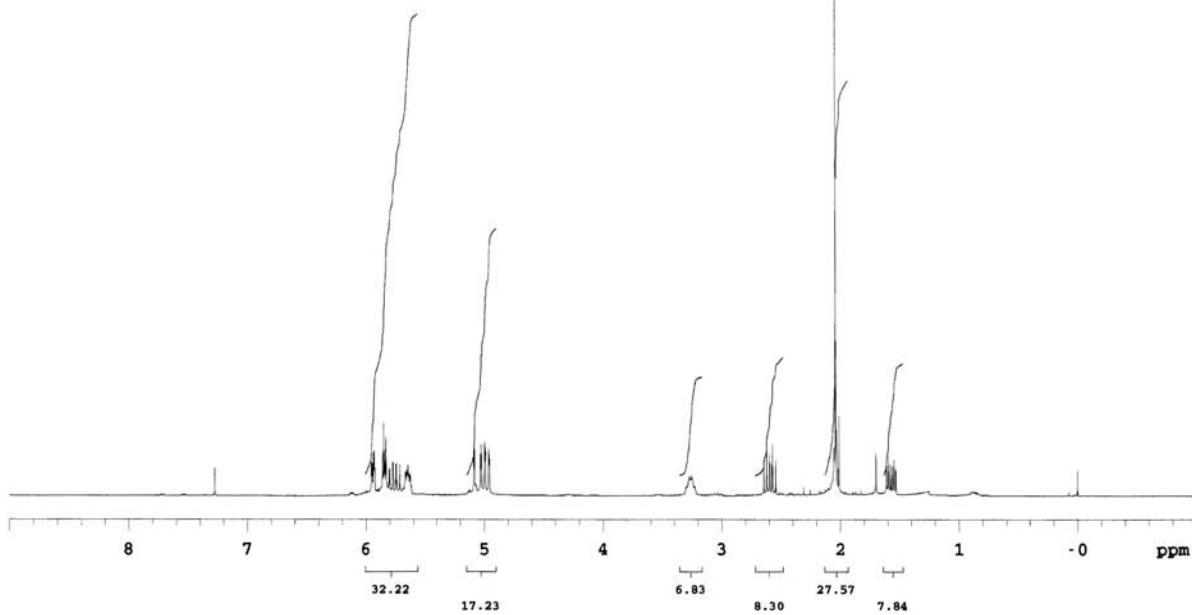
Hisato Nonaka, Narihito Ogawa, Noriaki Maeda, Yong-Gang Wang, and Yuichi Kobayashi*

Department of Biomolecular Engineering, Tokyo Institute of Technology
B52, 4259 Nagatsuta-cho, Midori-ku, Yokohama 226-8501, Japan
ykobayas@bio.titech.ac.jp

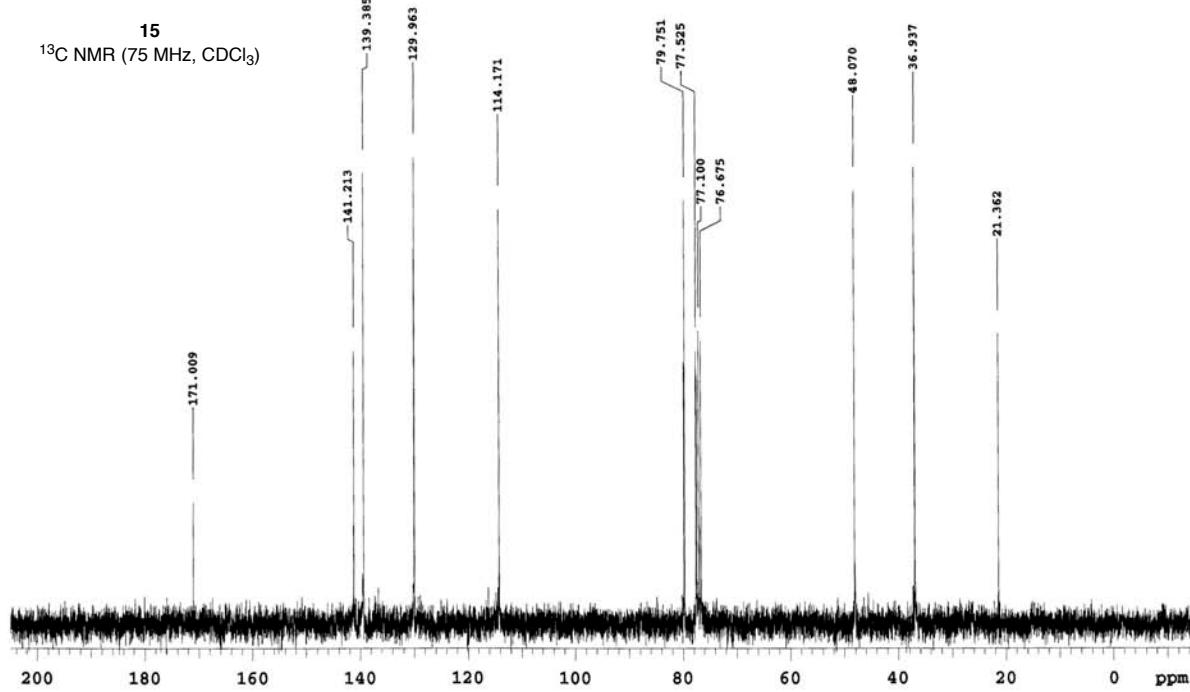


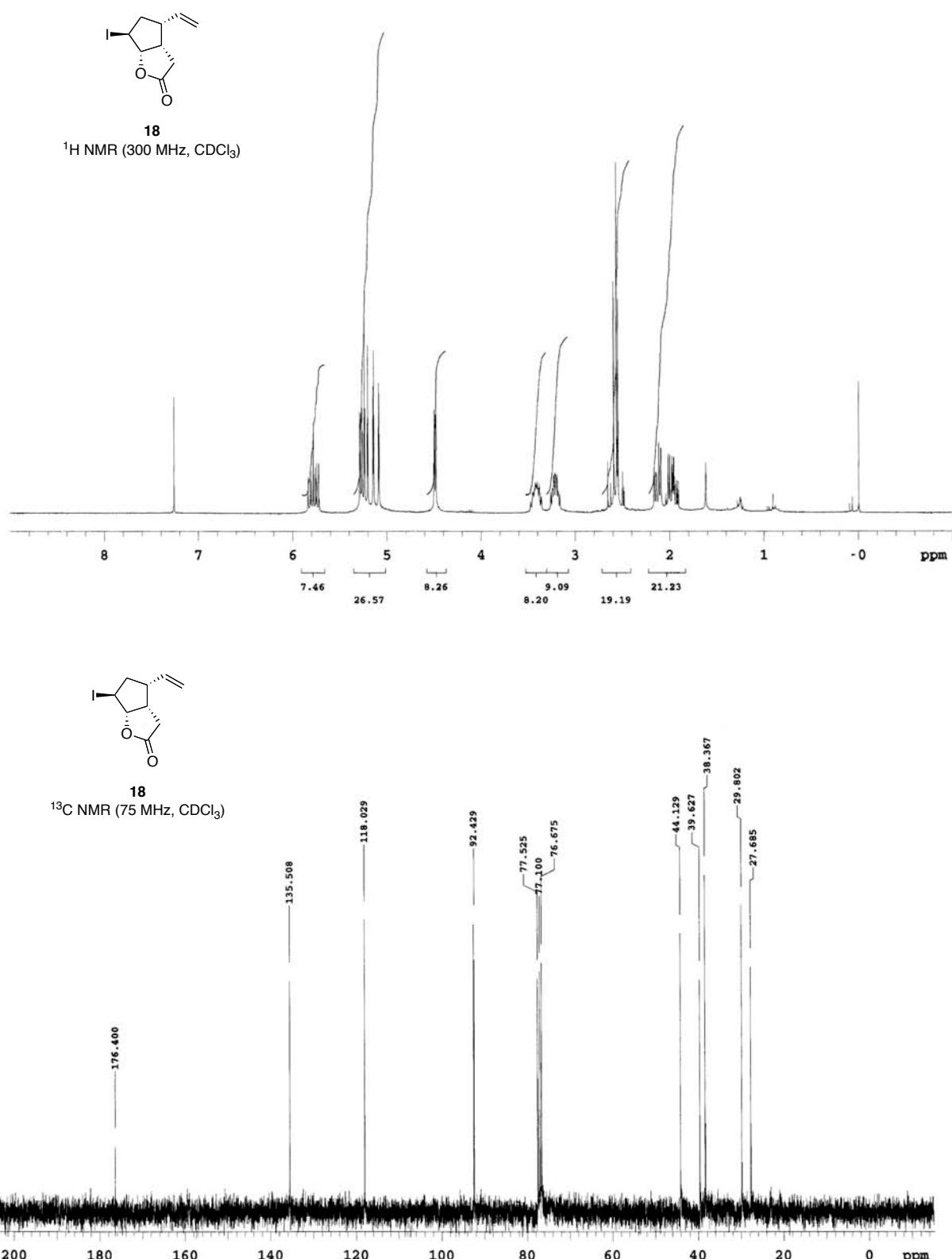


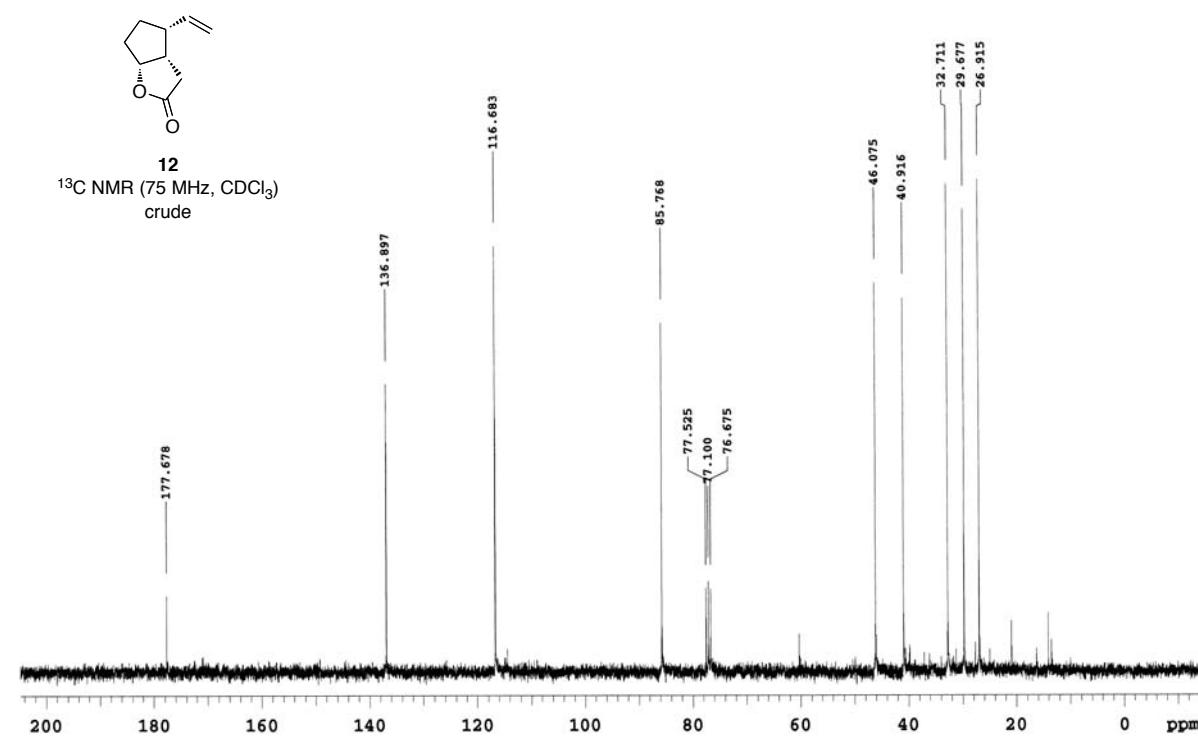
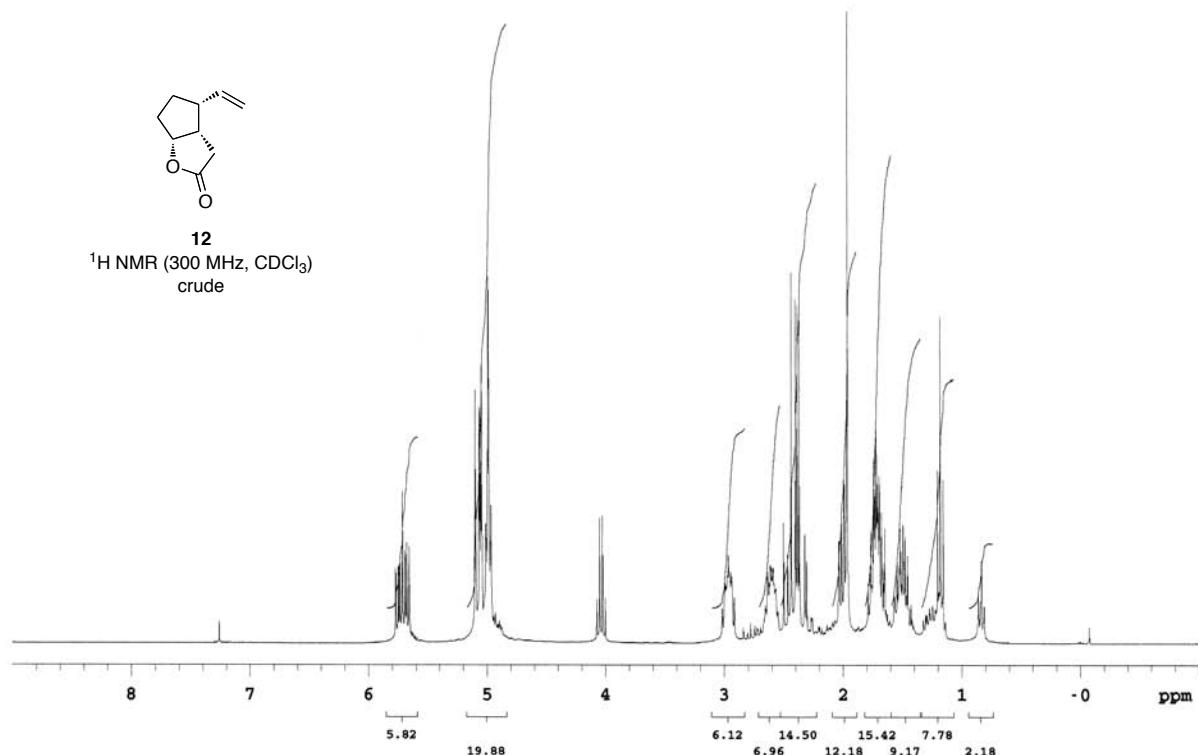
15
 ^1H NMR (300 MHz, CDCl_3)

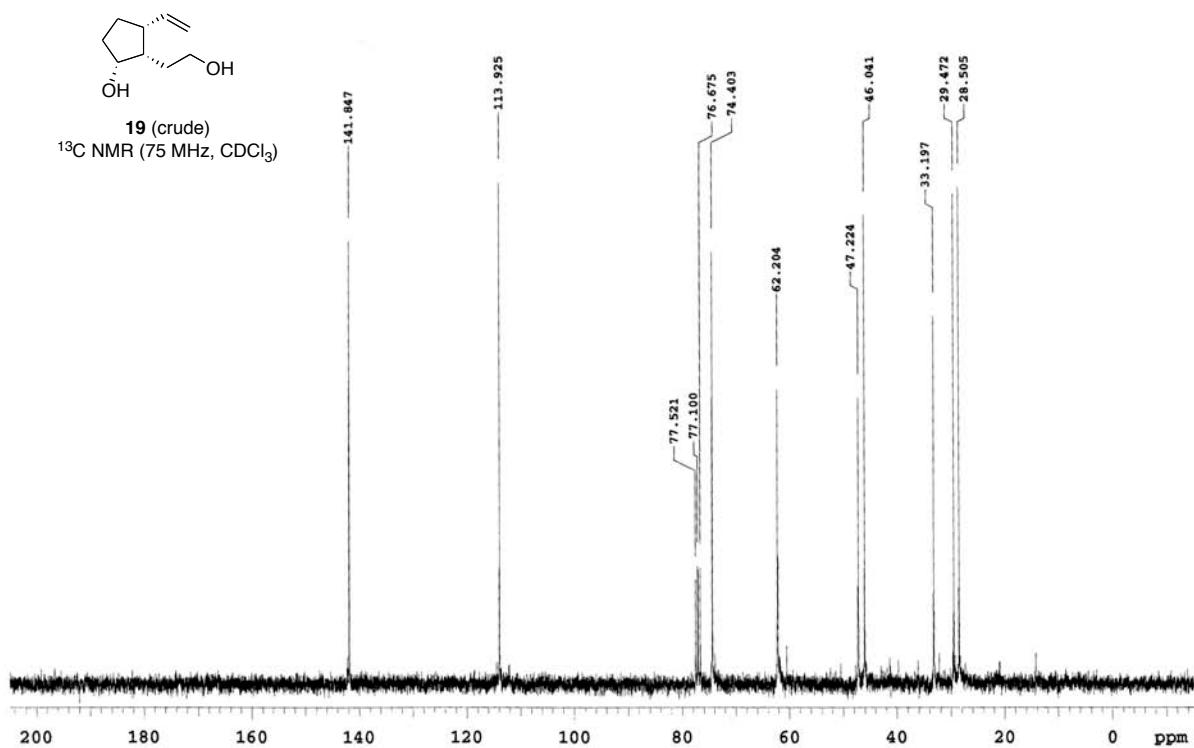
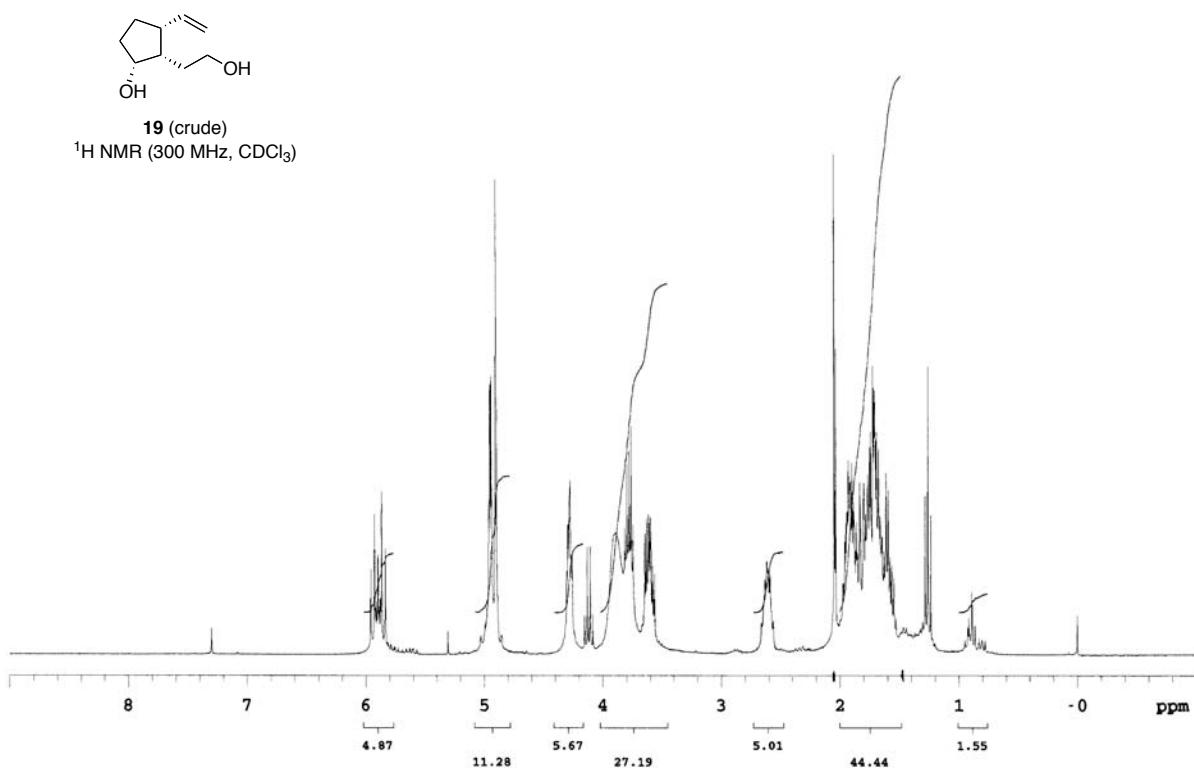


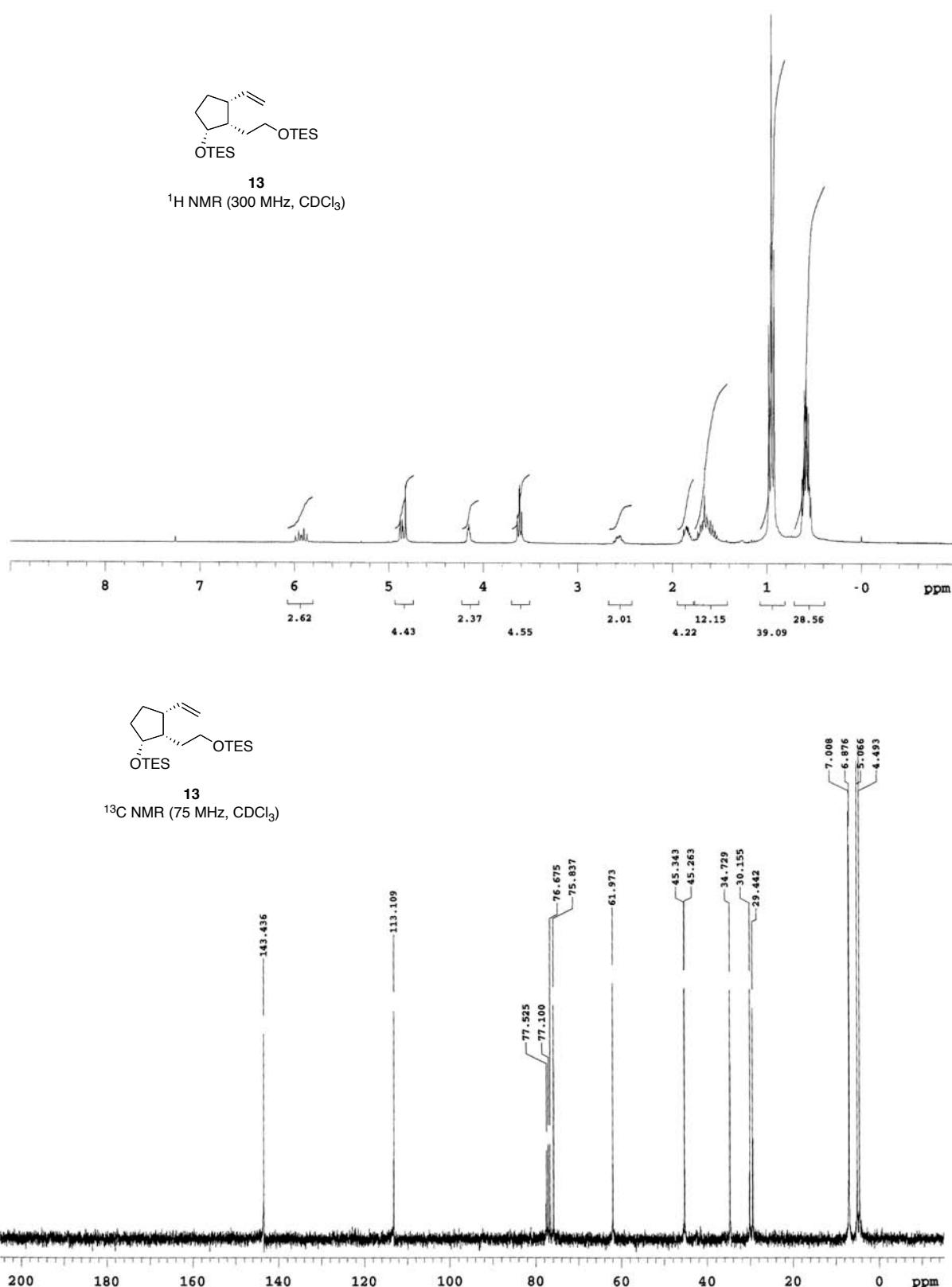
15
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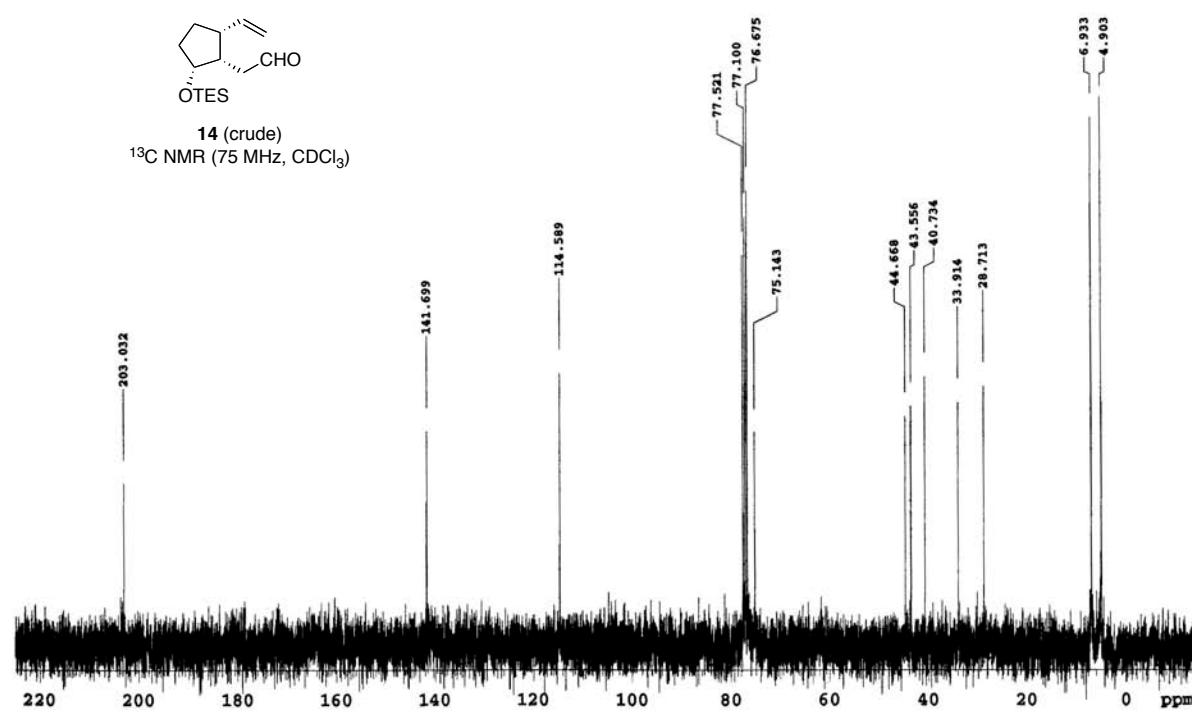
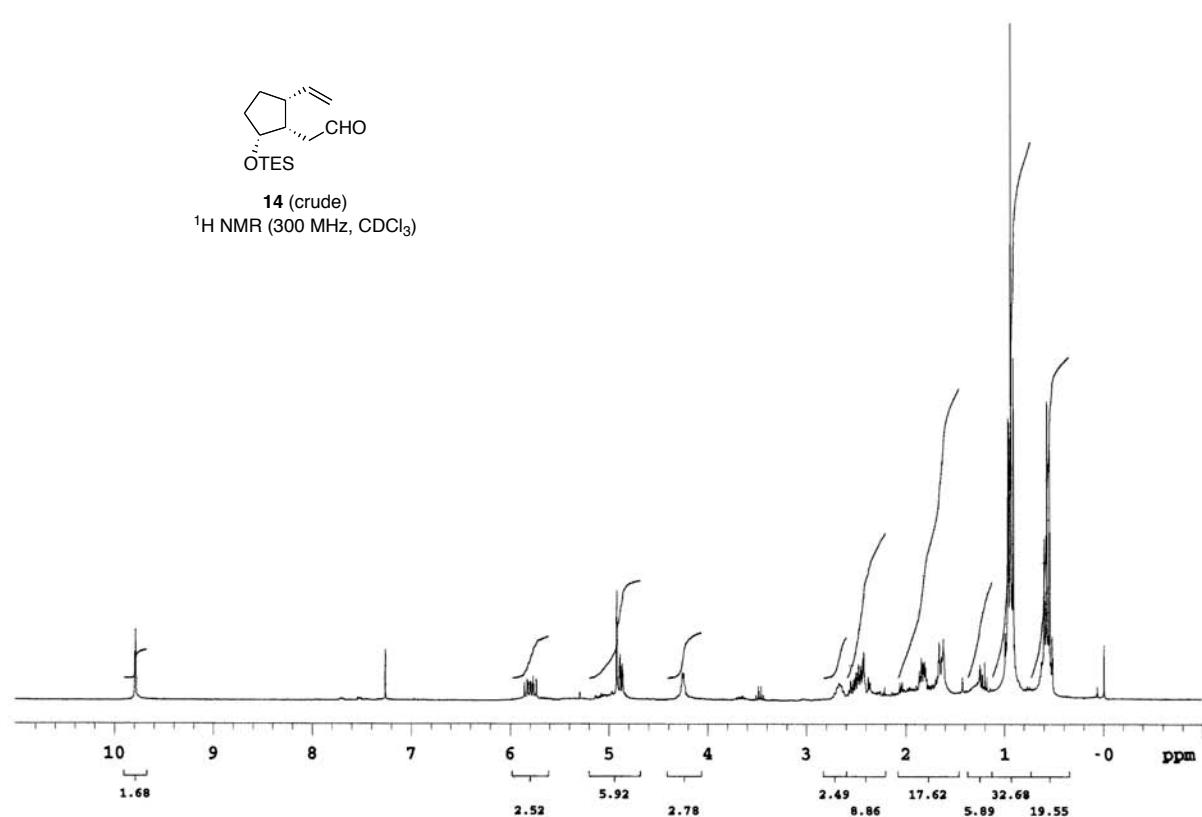


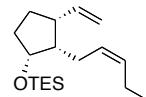




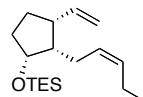
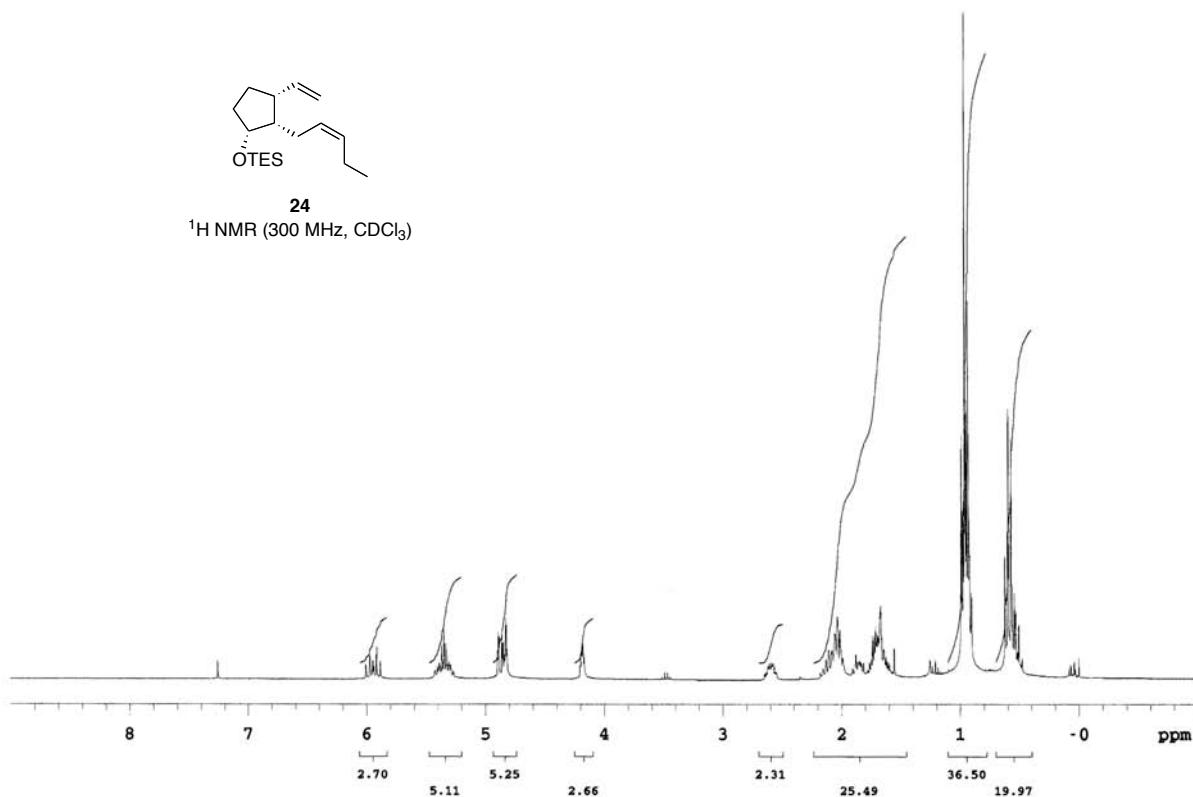




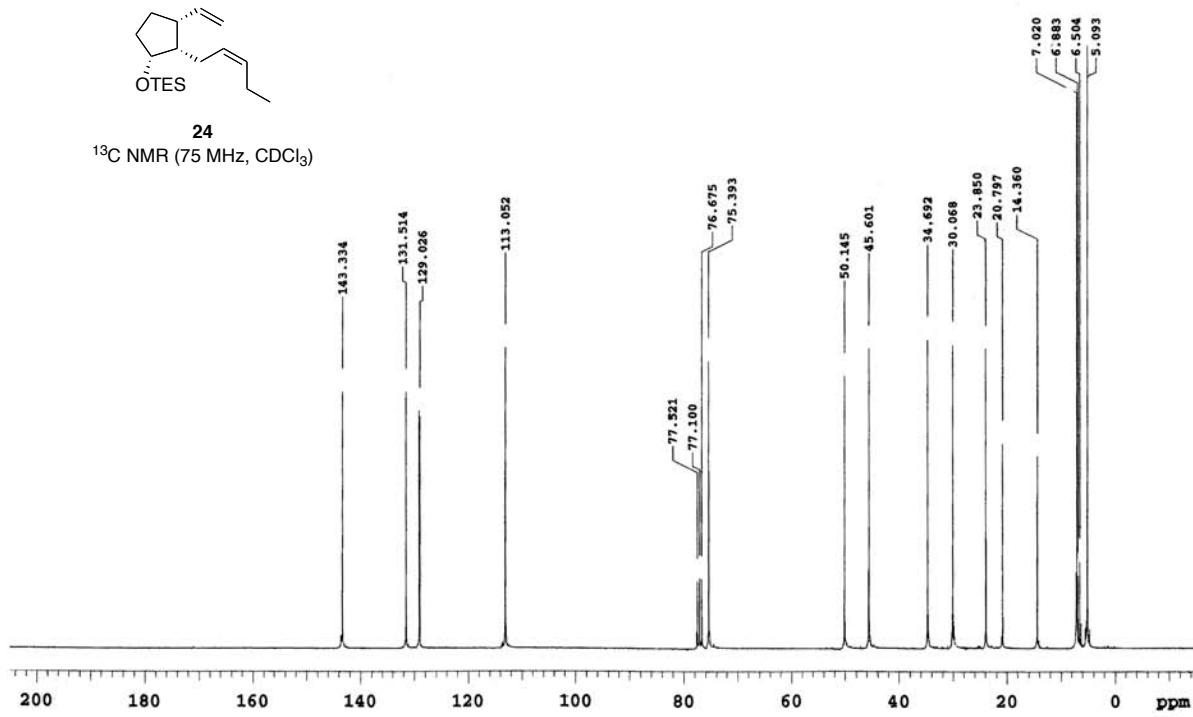


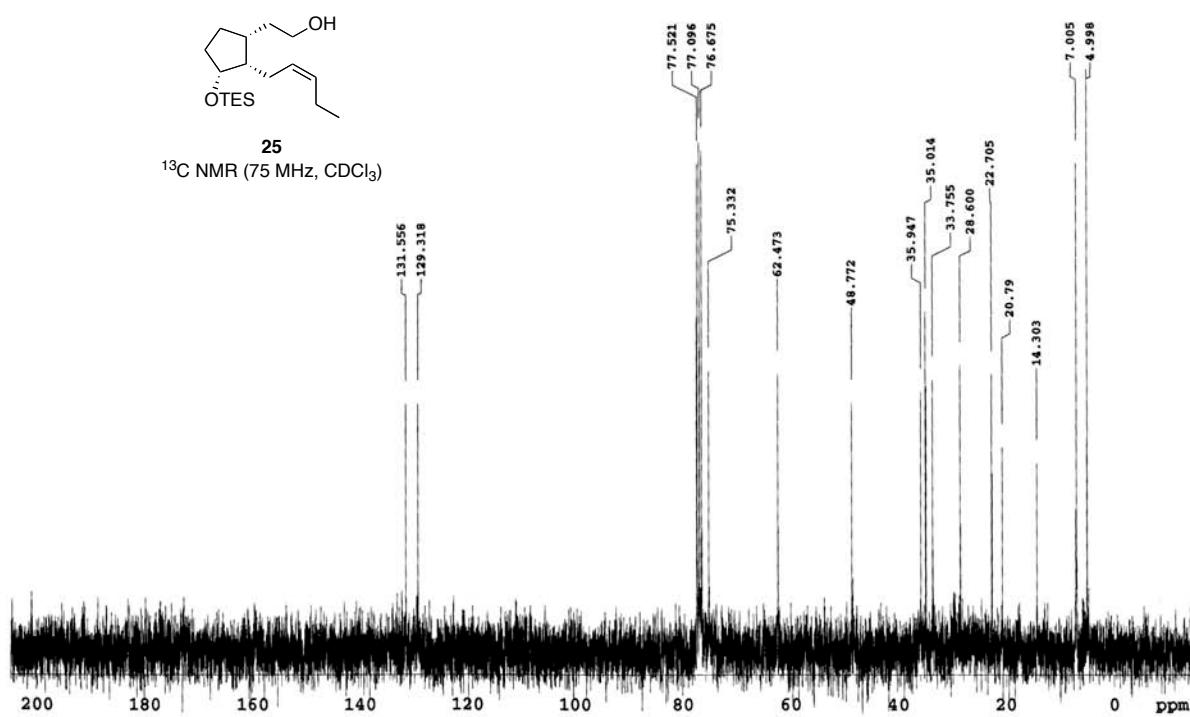
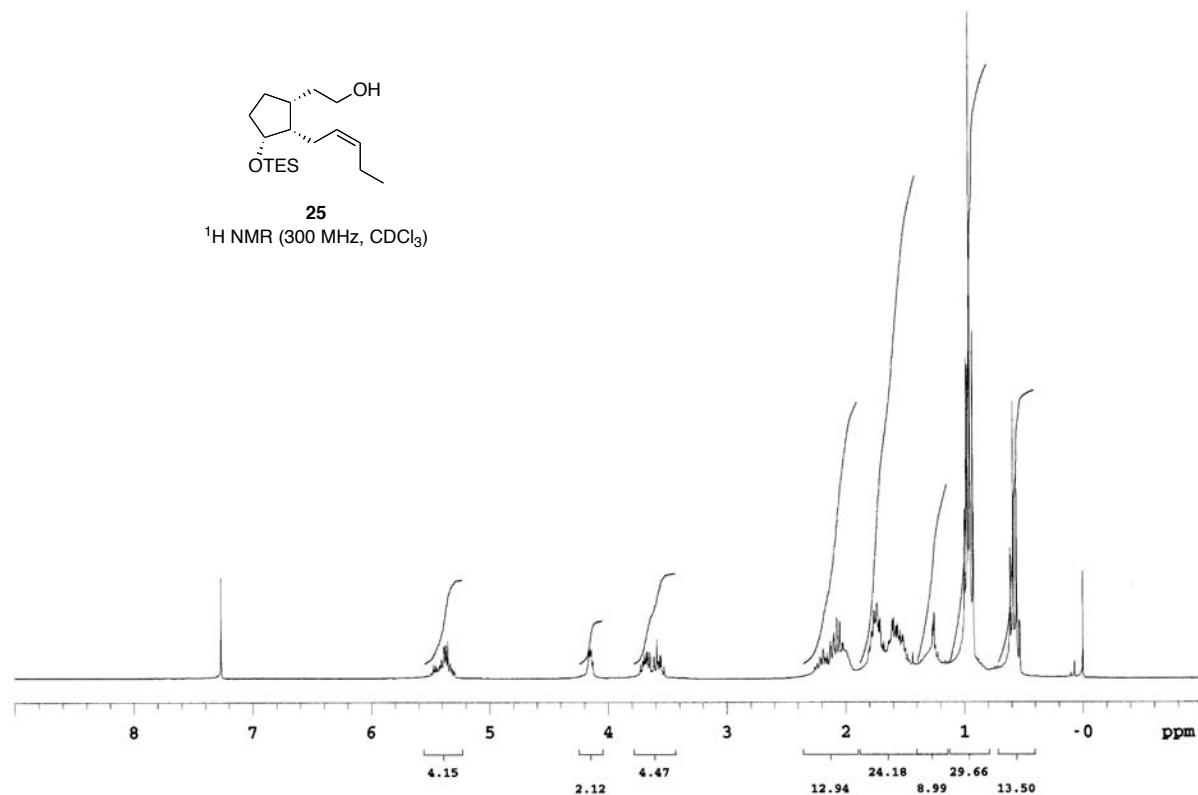


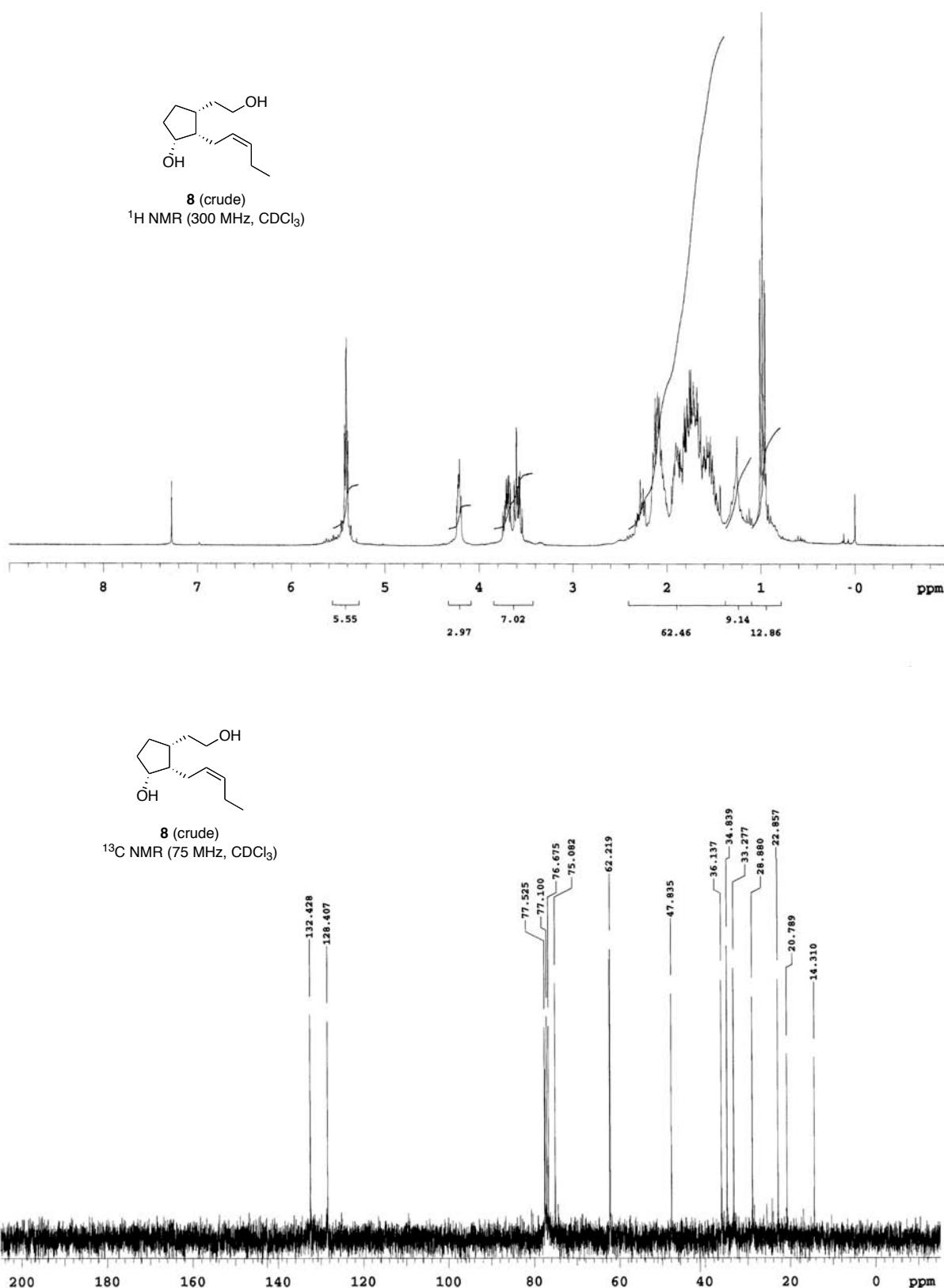
24
 ^1H NMR (300 MHz, CDCl_3)

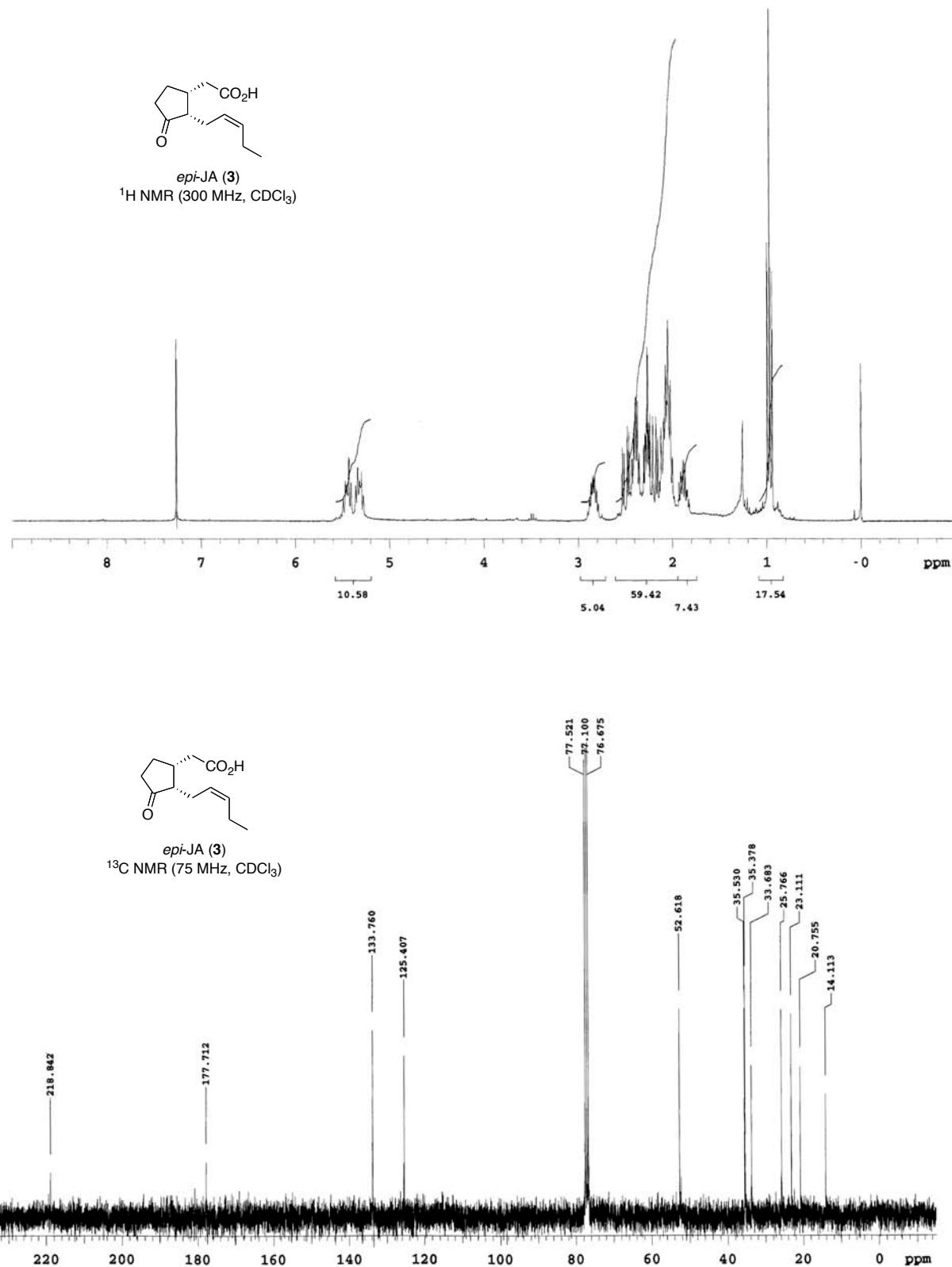


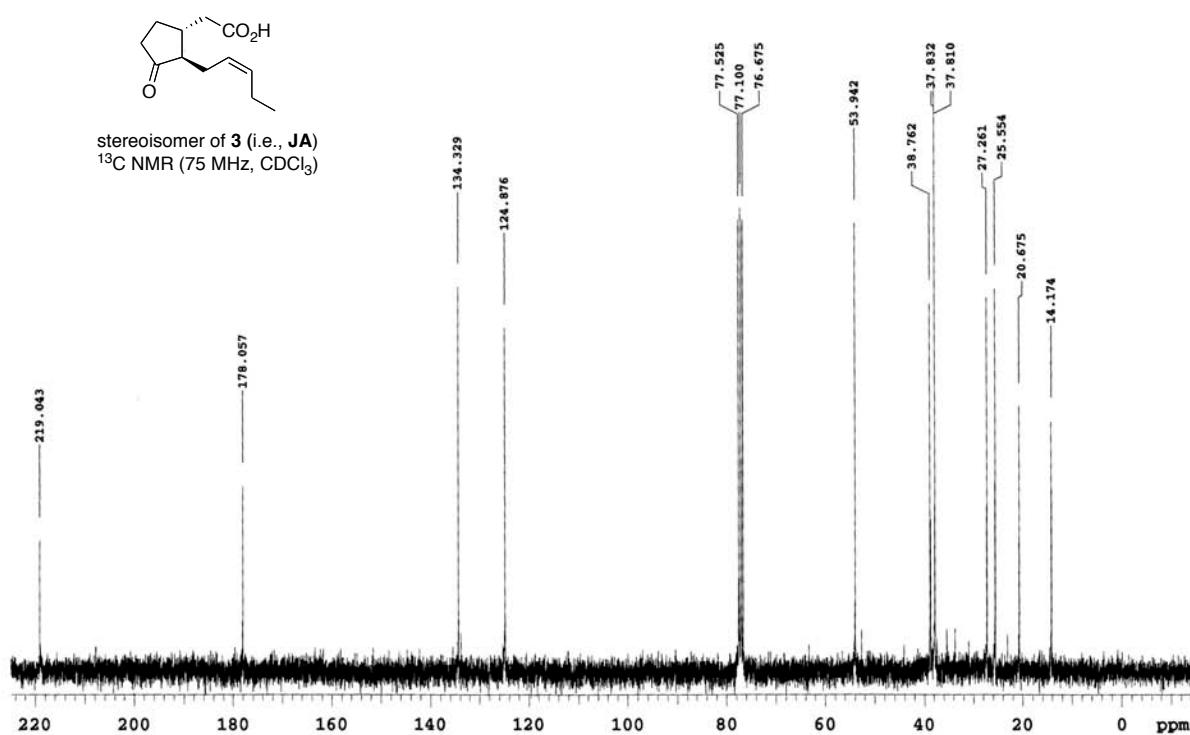
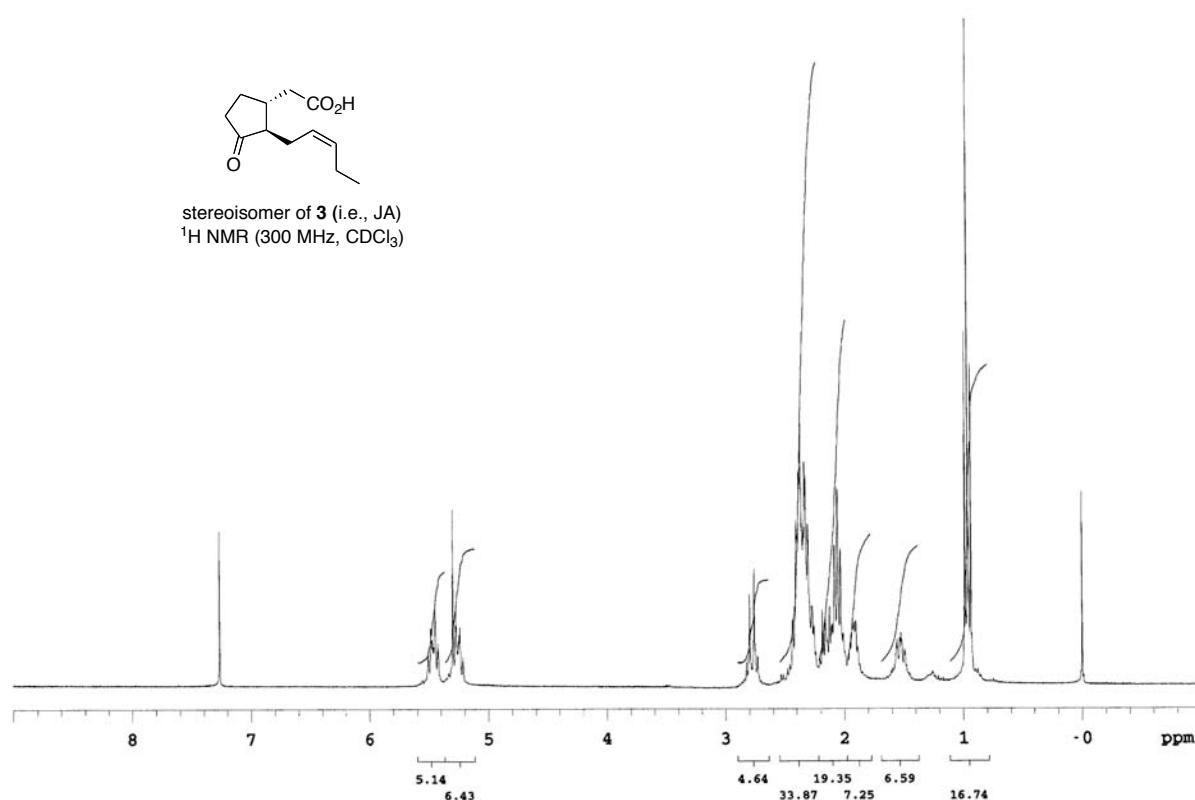
24
 ^{13}C NMR (75 MHz, CDCl_3)

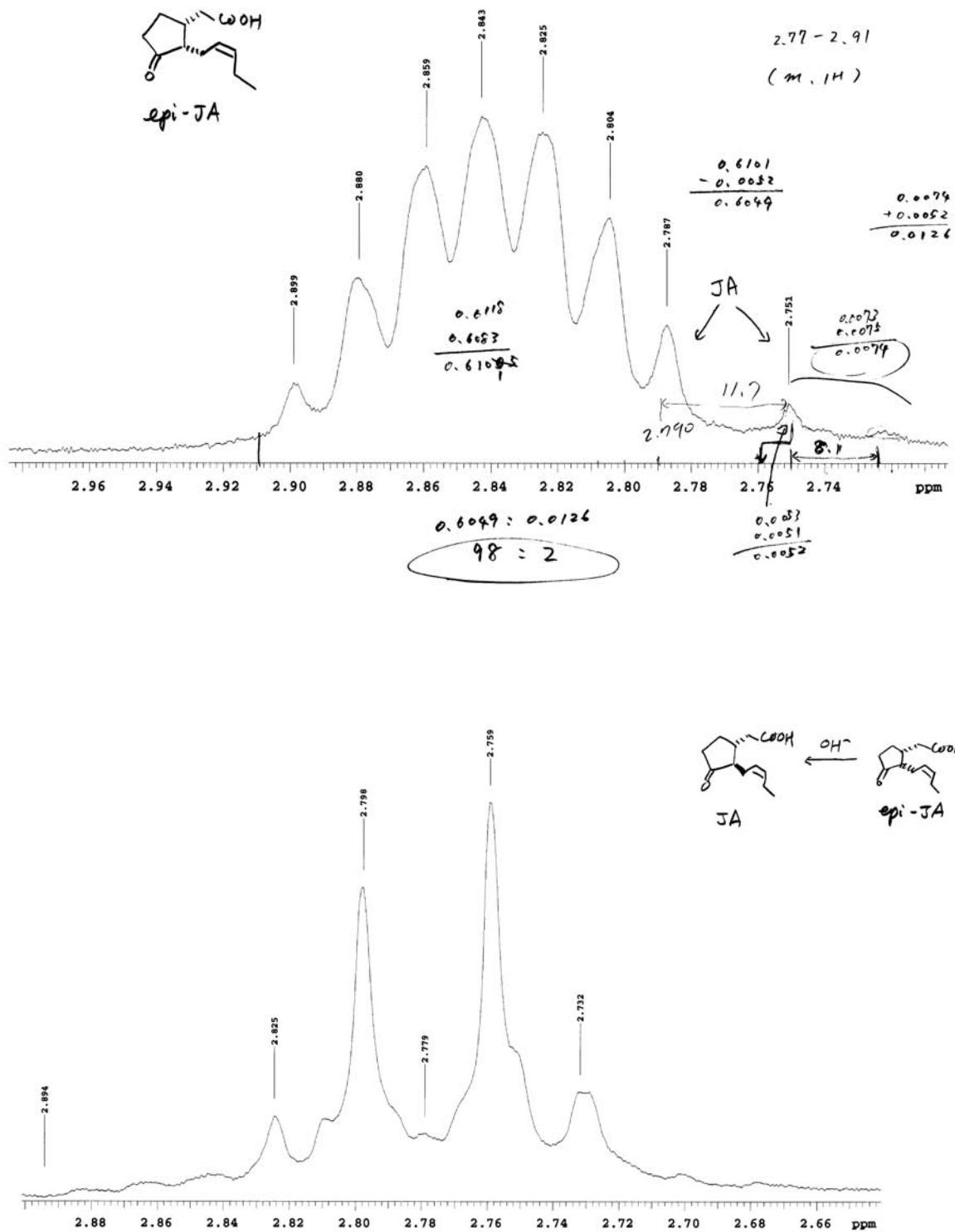


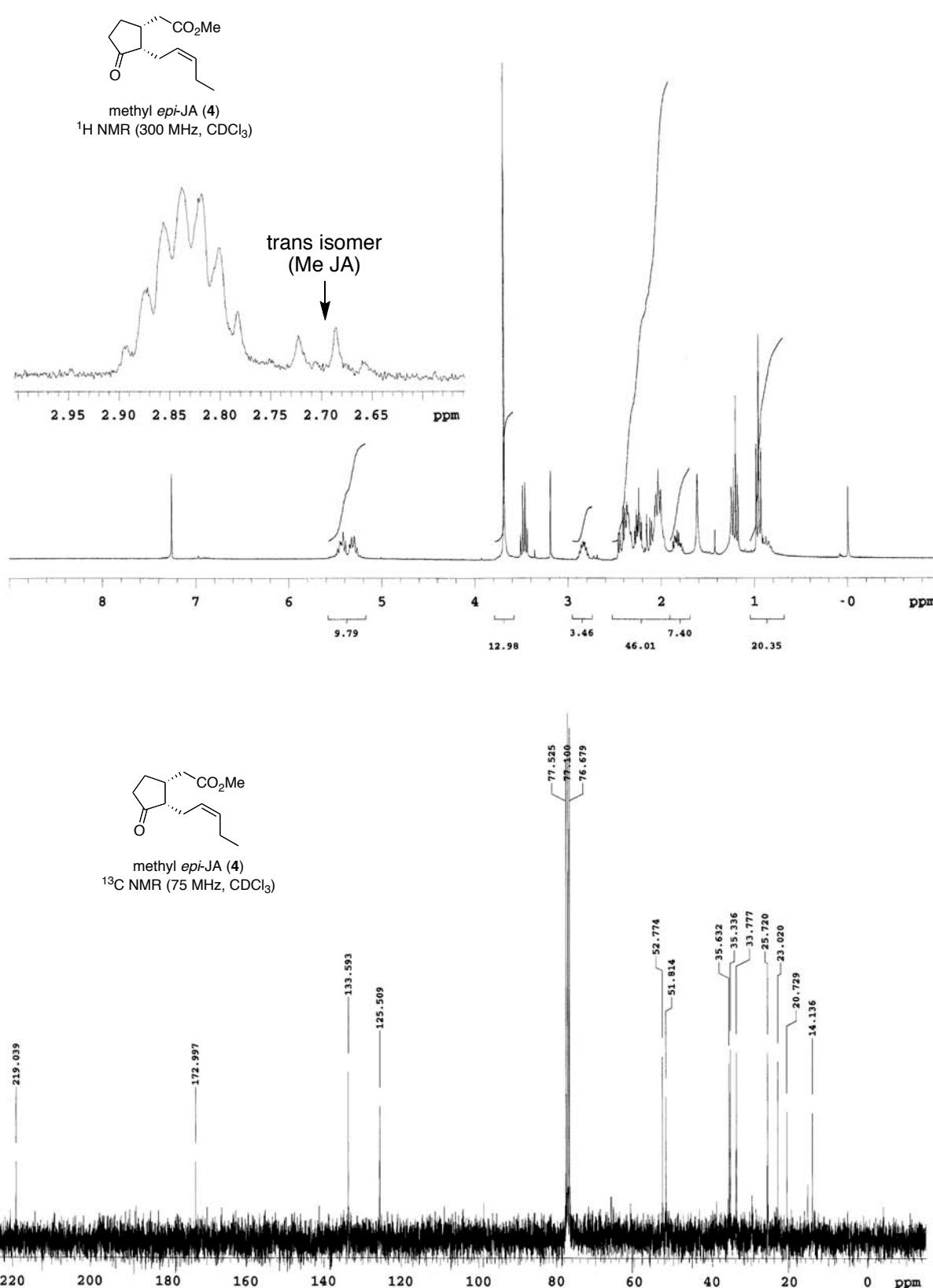


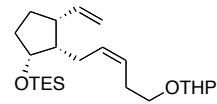




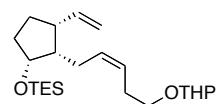
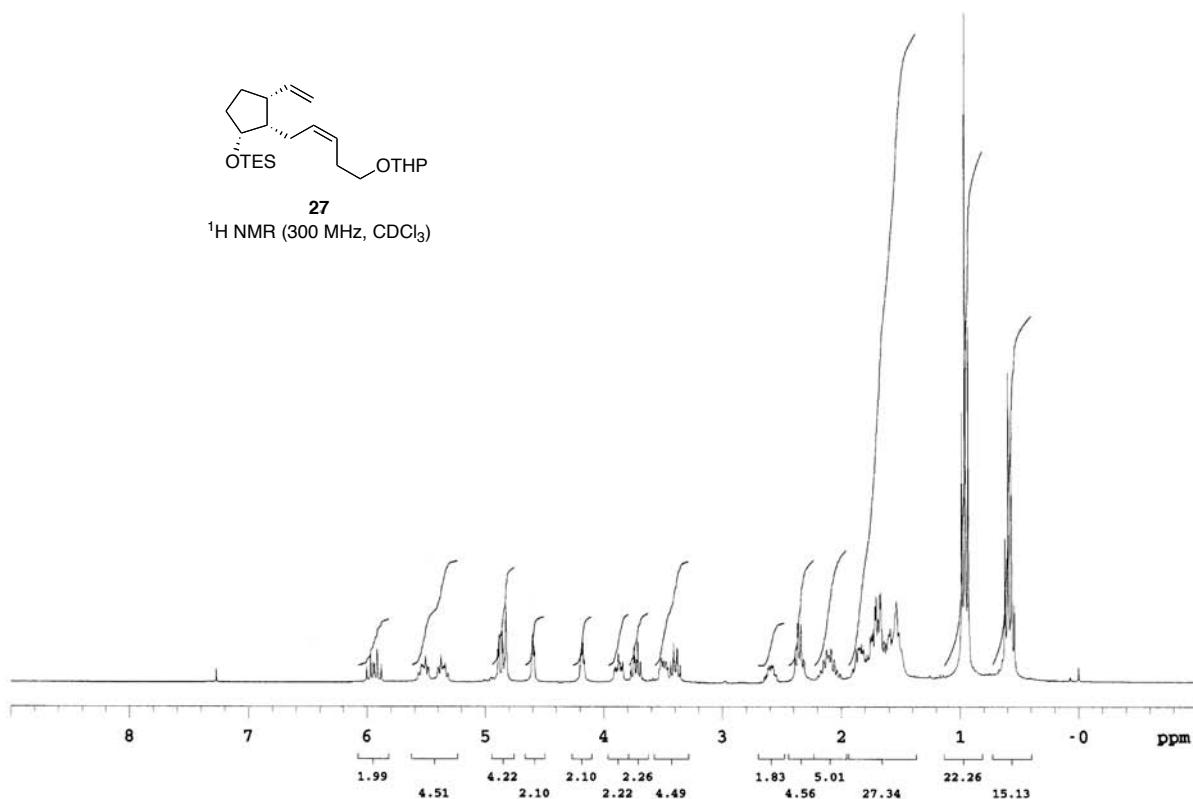




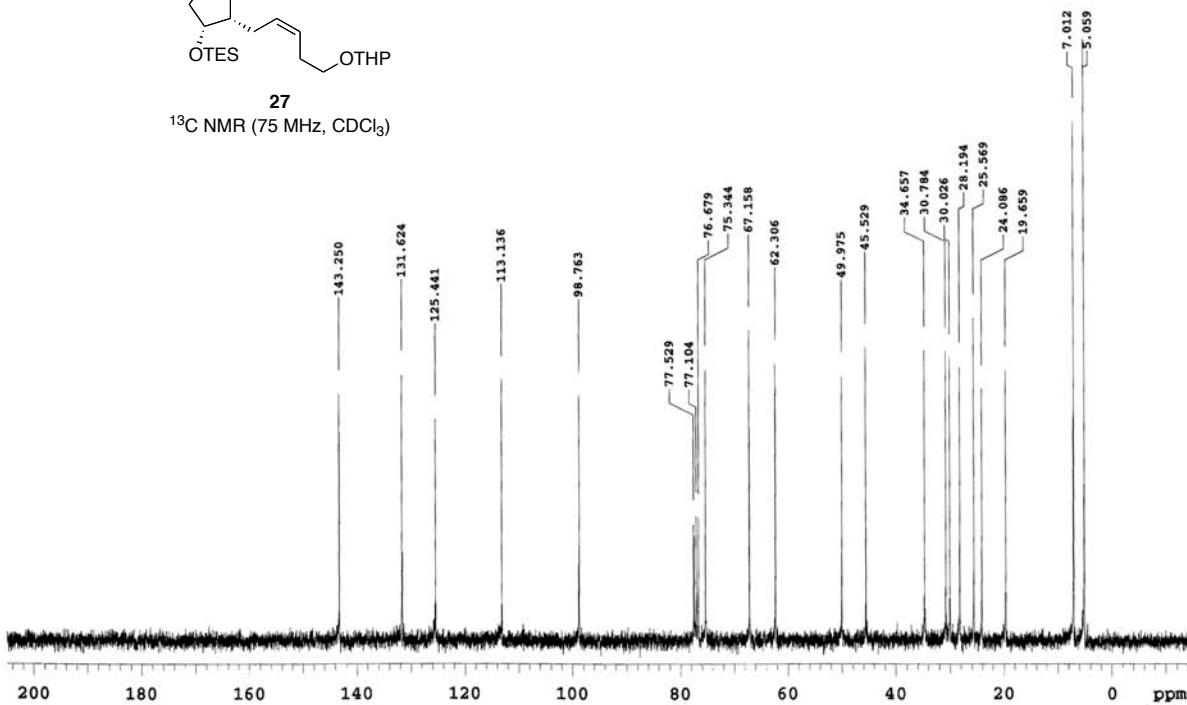


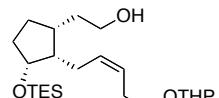


27
 ^1H NMR (300 MHz, CDCl_3)

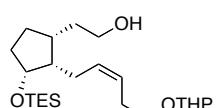
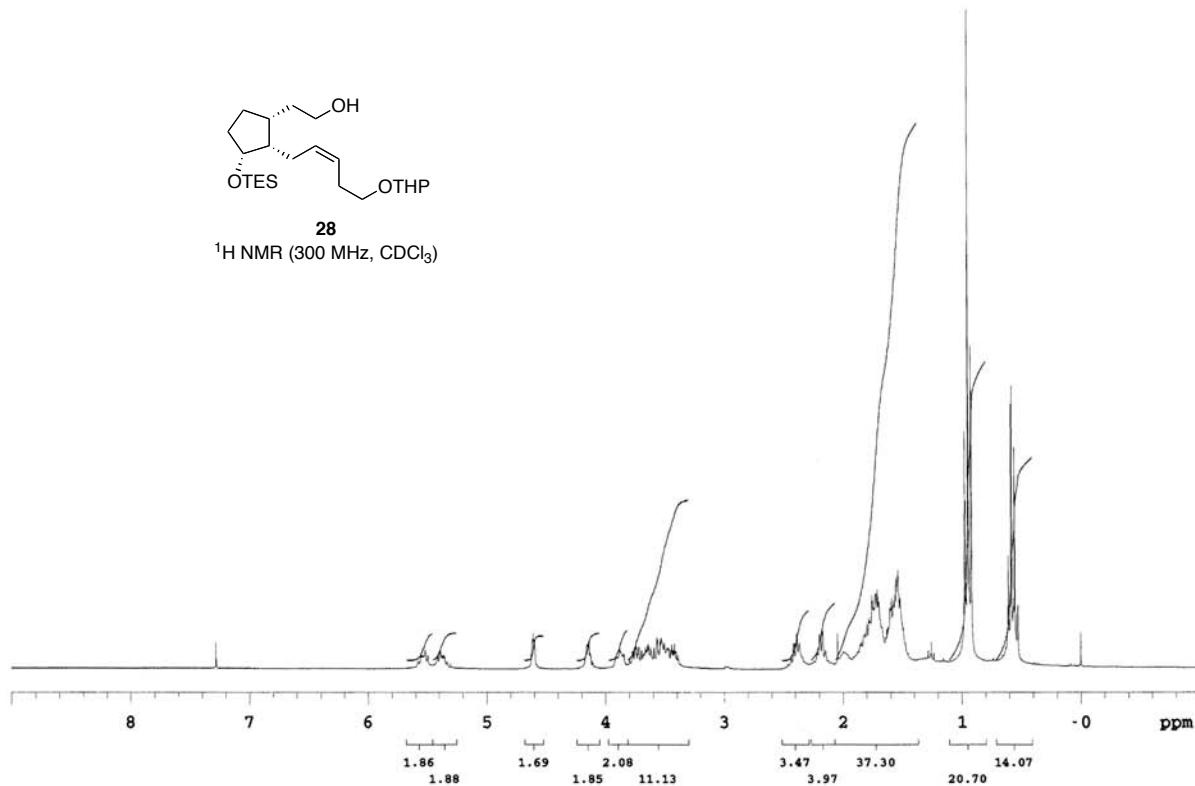


27
 ^{13}C NMR (75 MHz, CDCl_3)

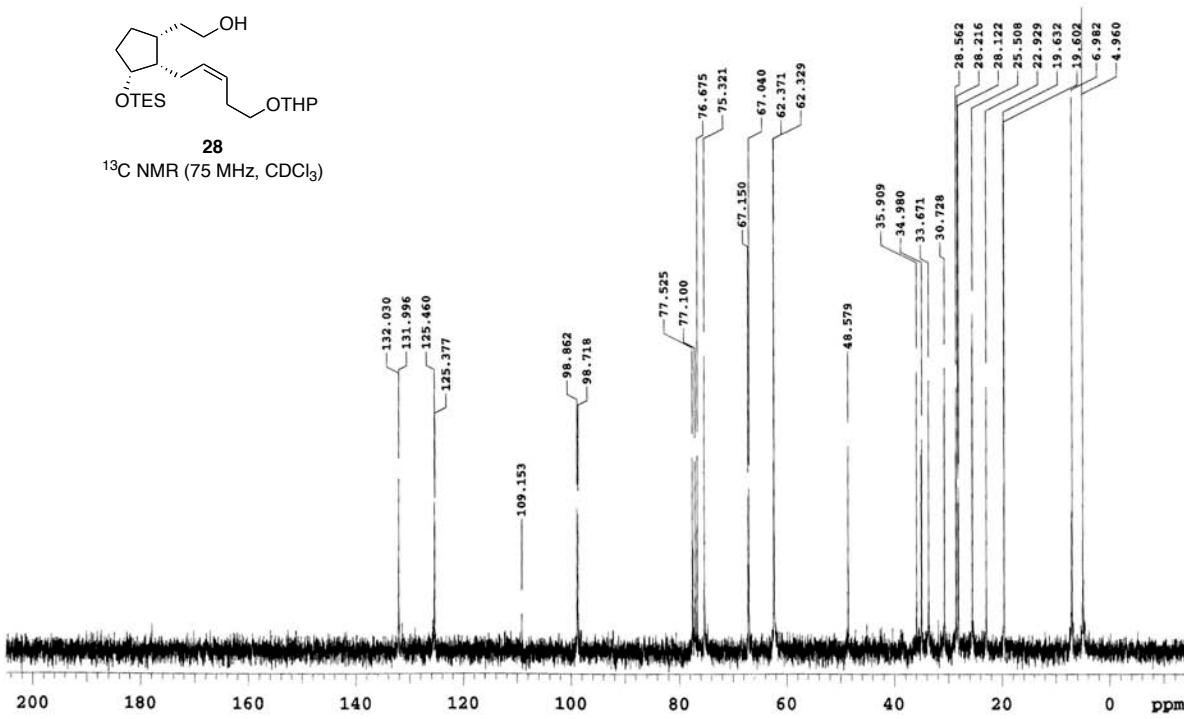


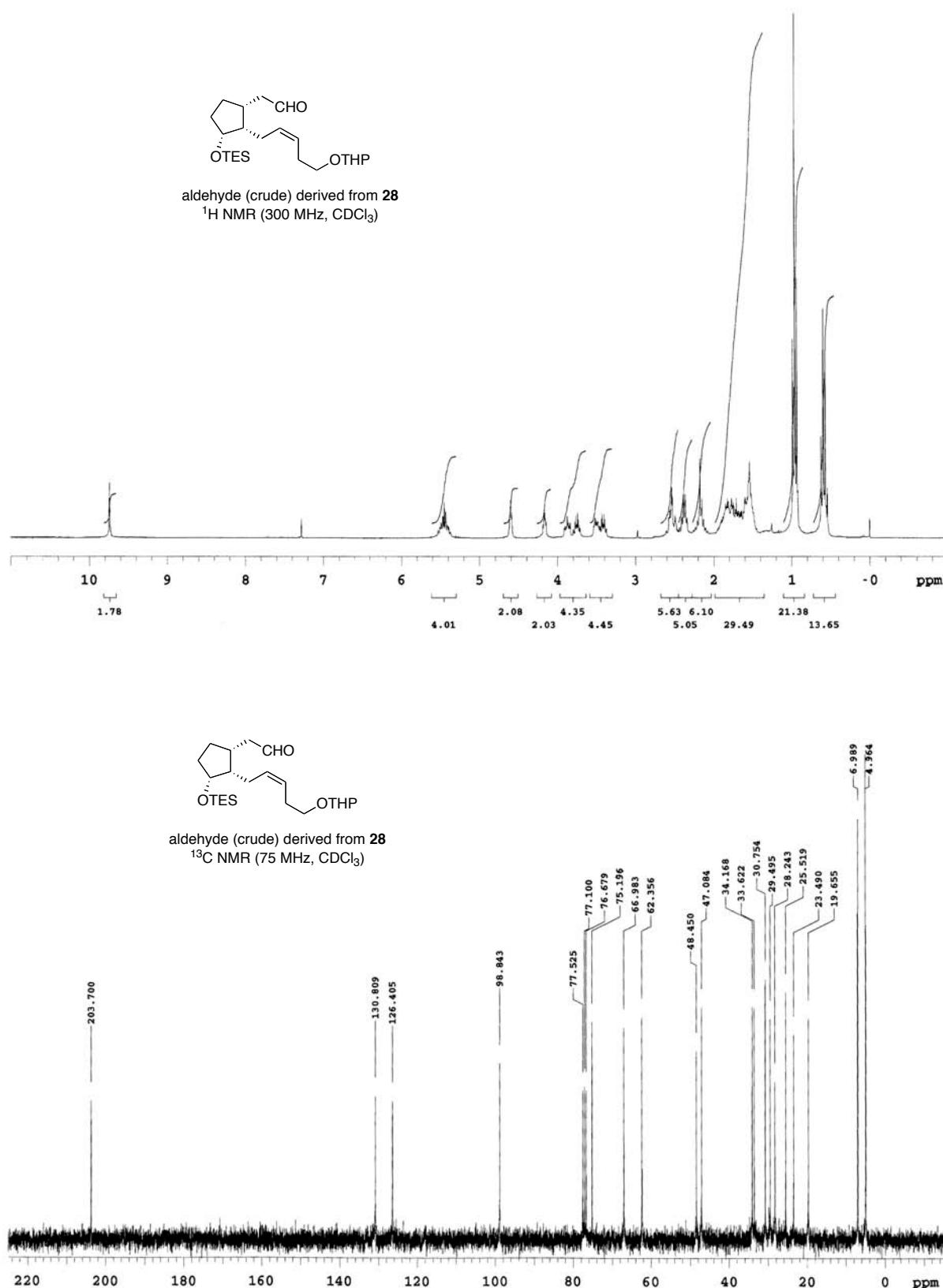


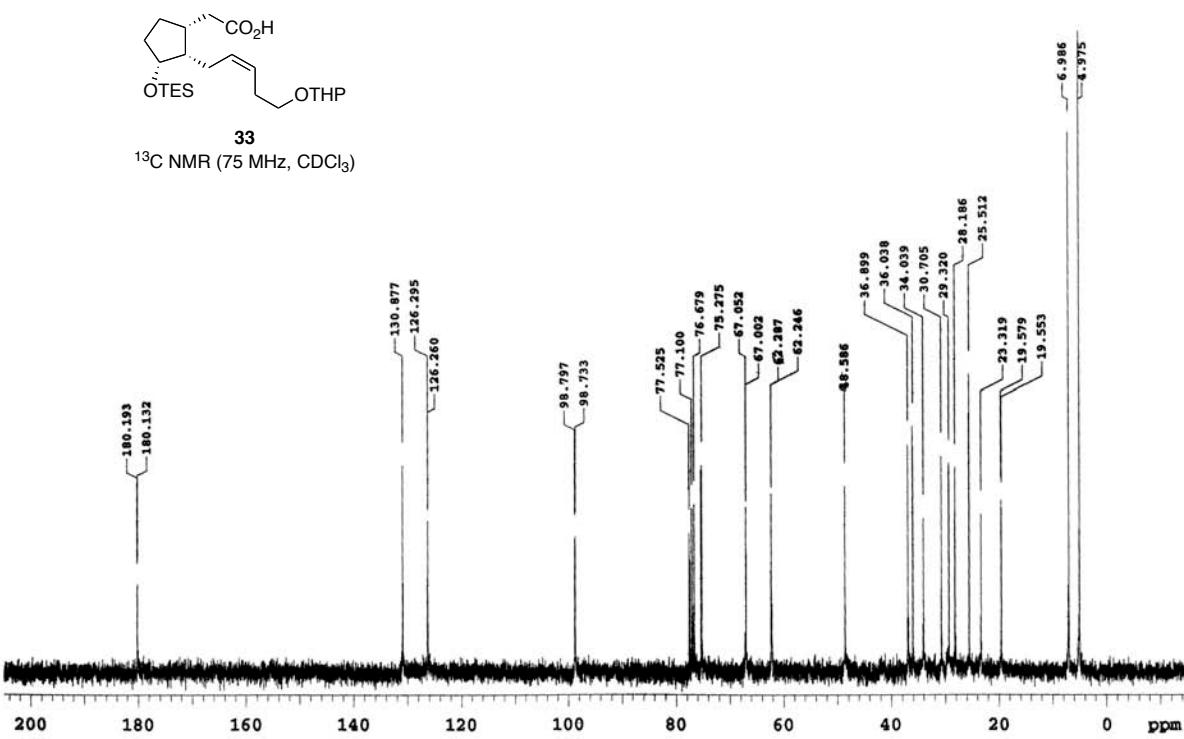
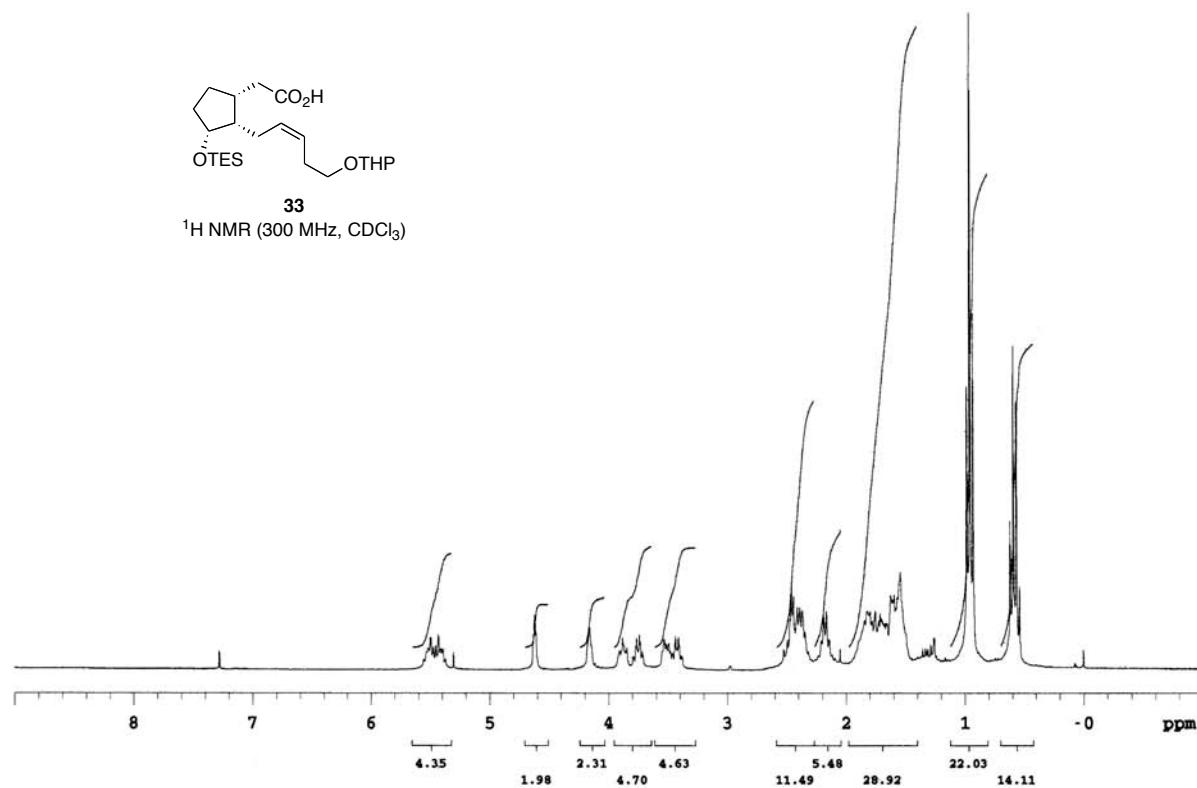
28
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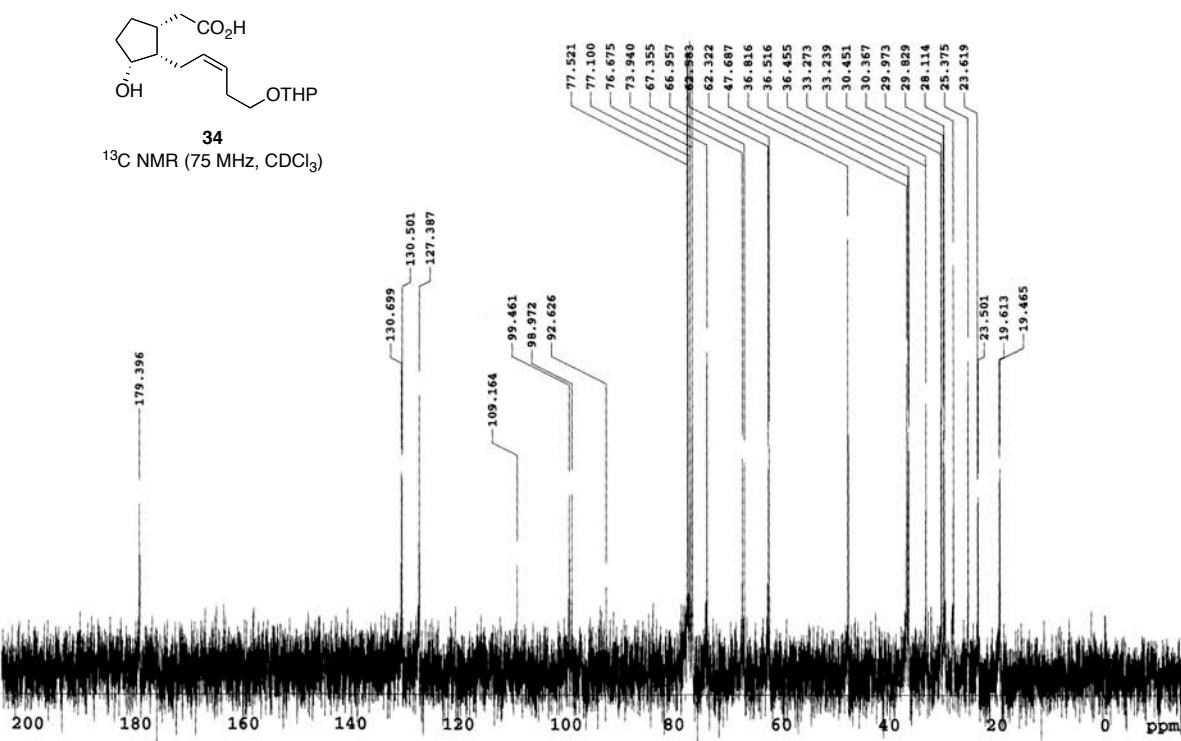
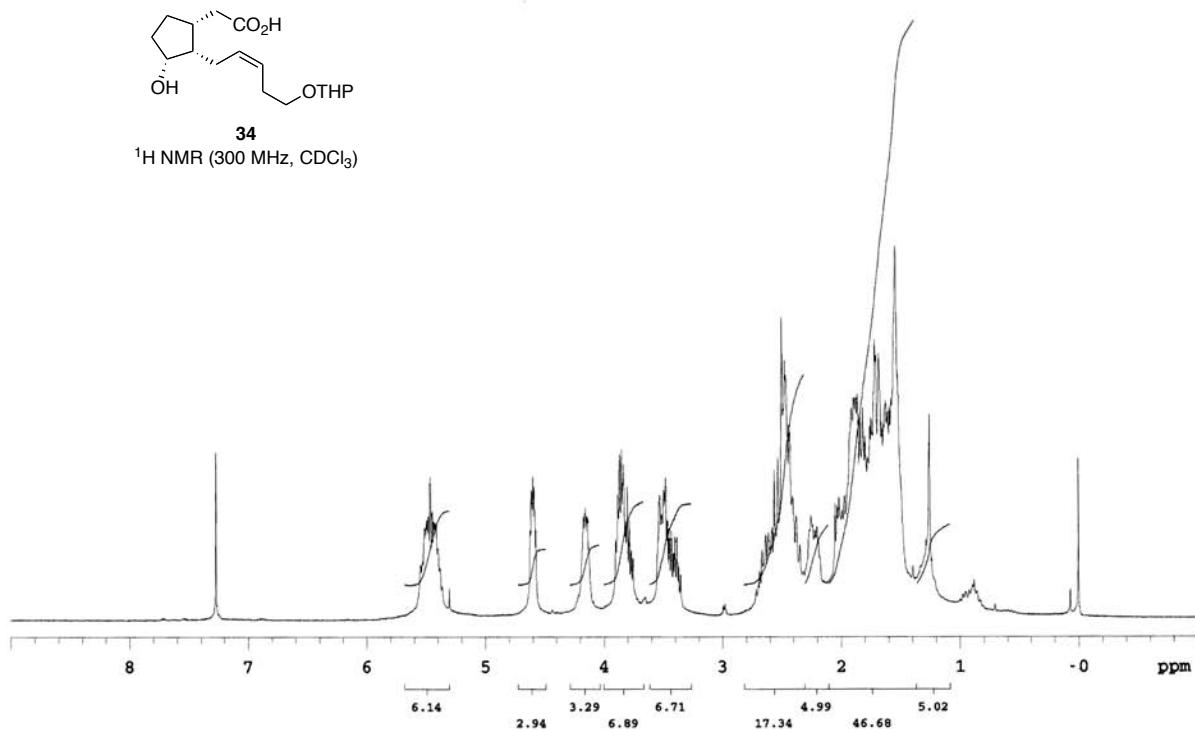


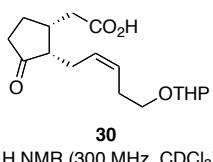
28
 ^{13}C NMR (75 MHz, CDCl_3)



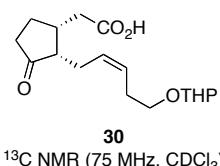
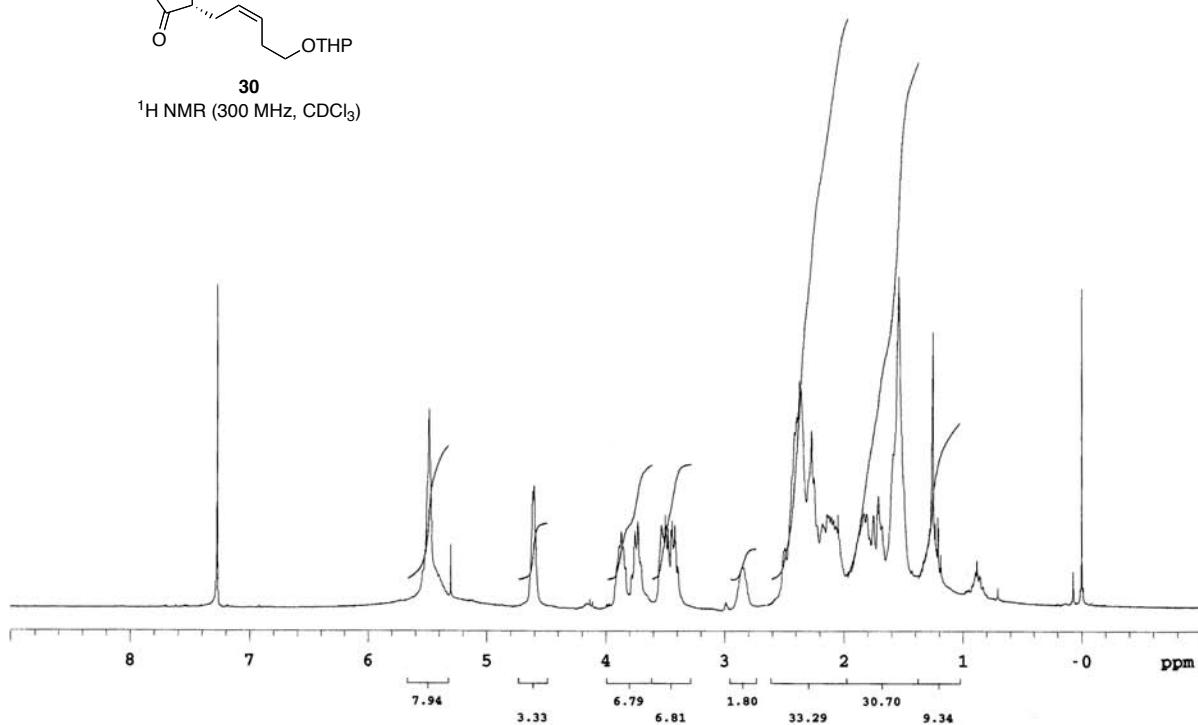




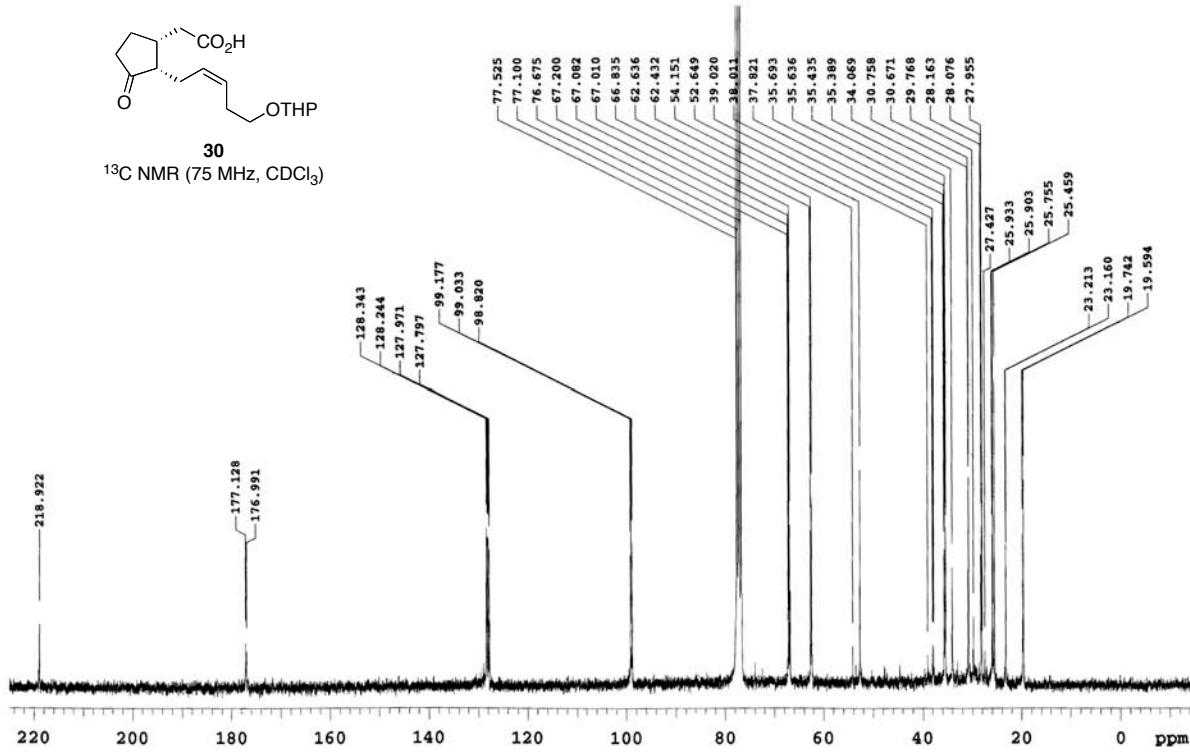


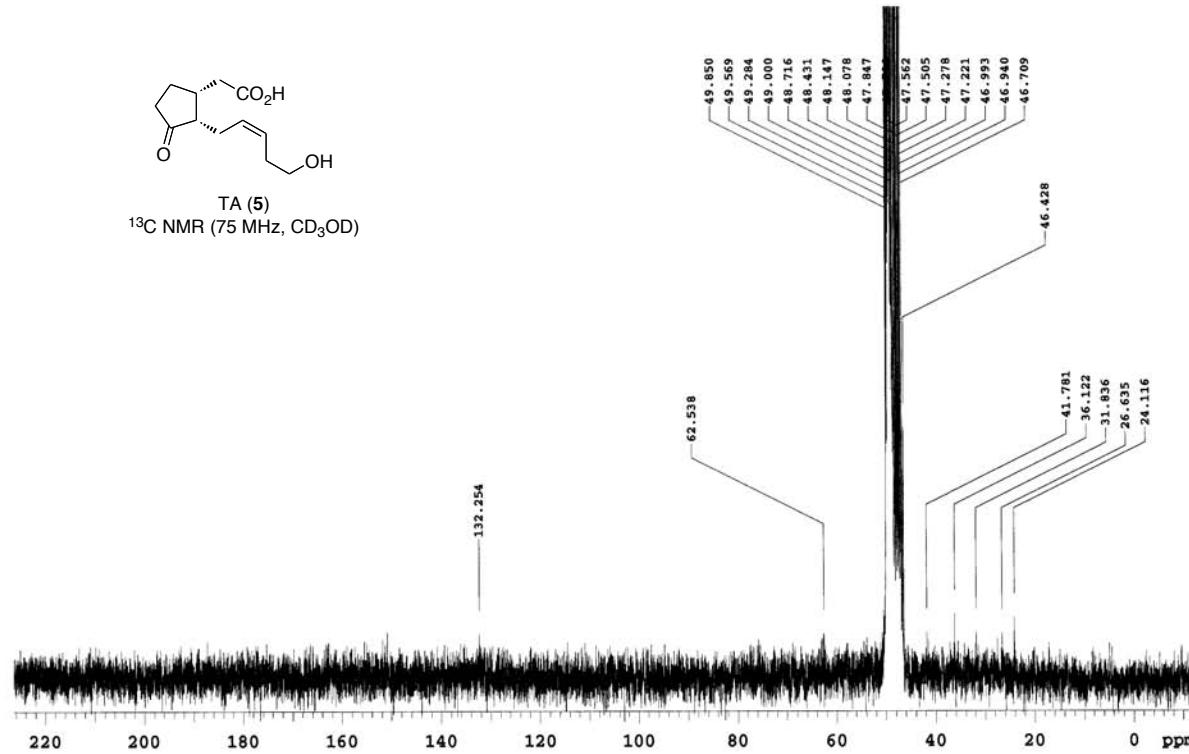
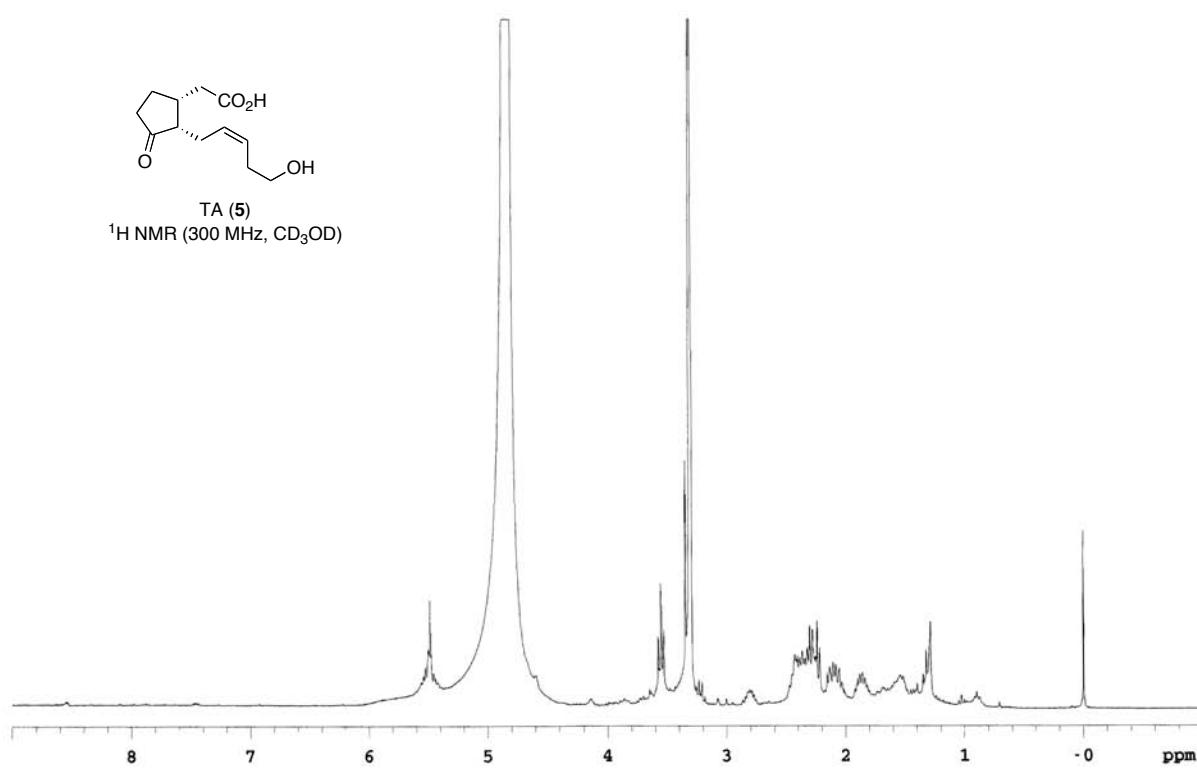


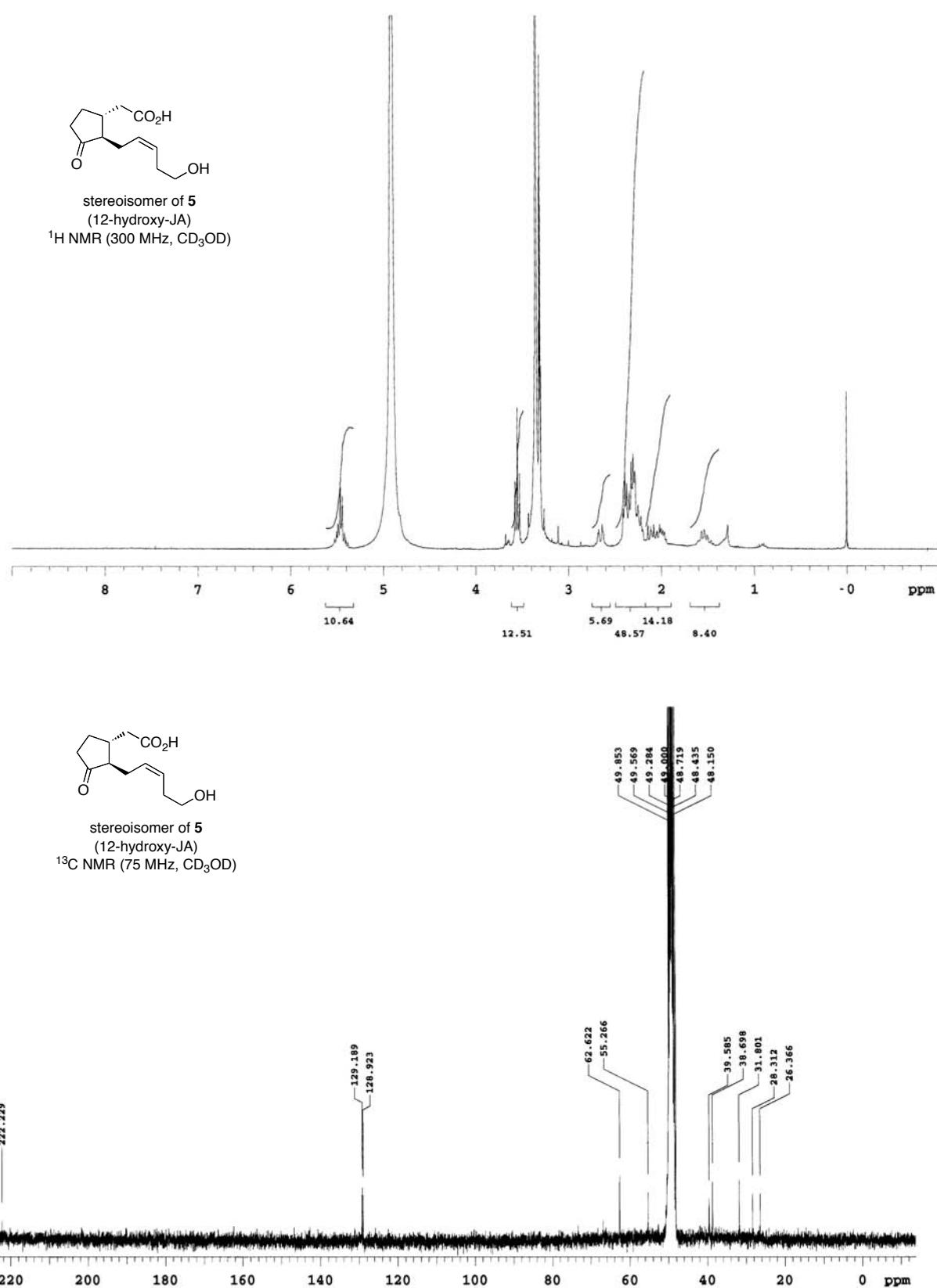
¹H NMR (300 MHz, CDCl₃)

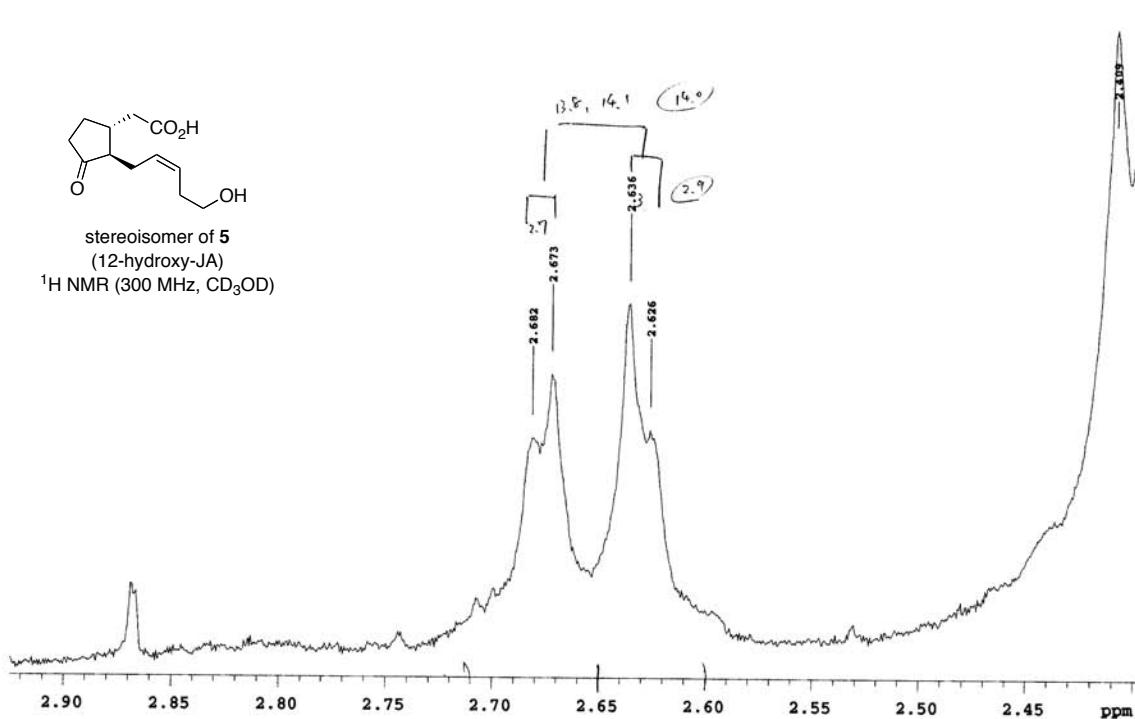
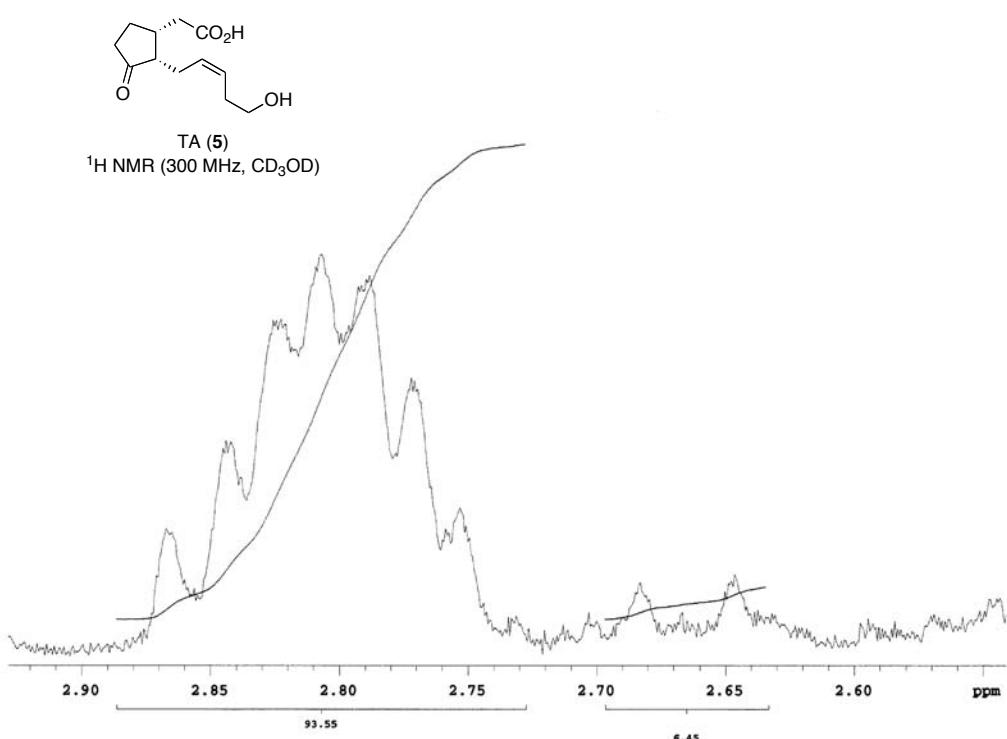


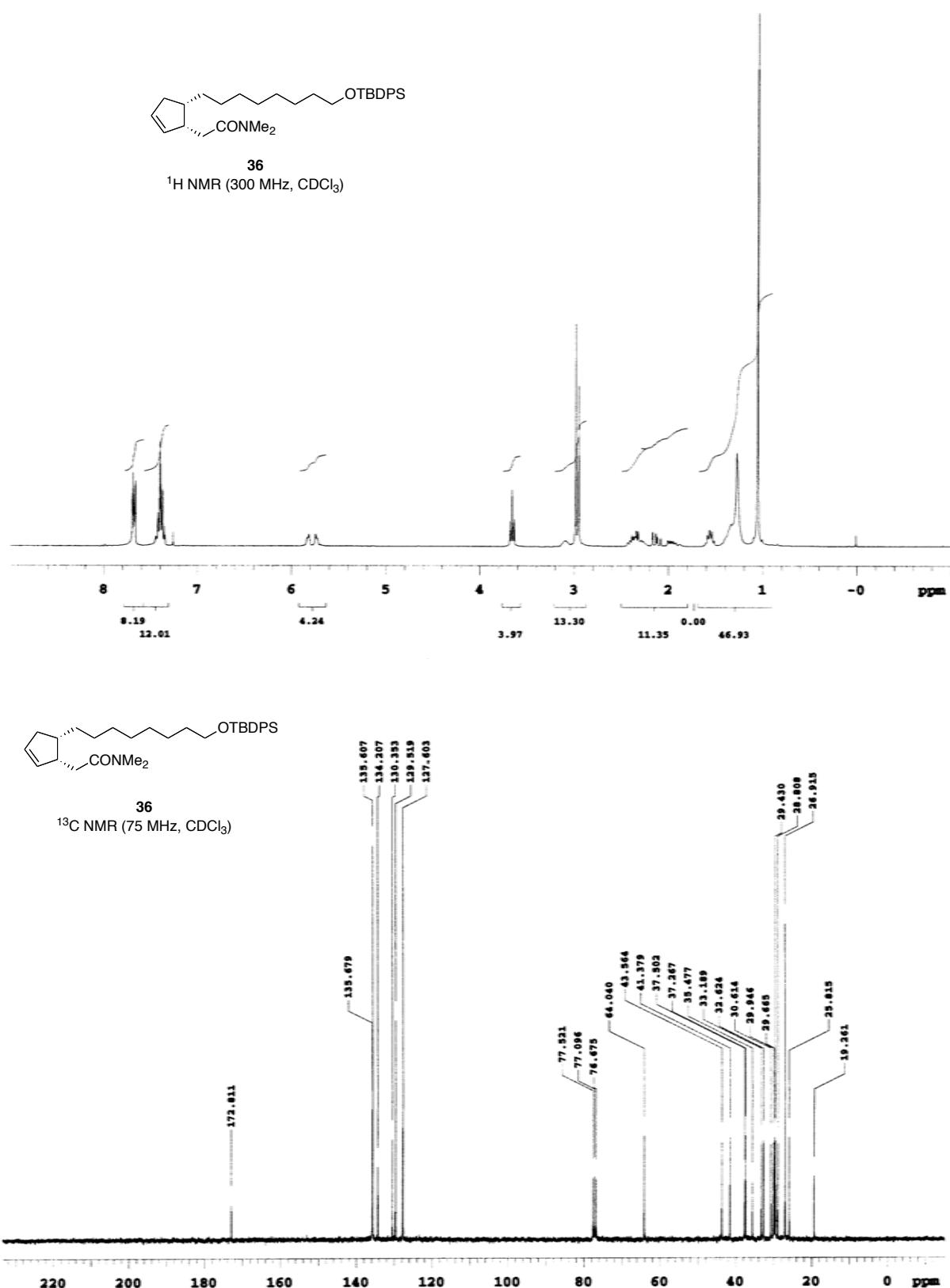
¹³C NMR (75 MHz, CDCl₃)

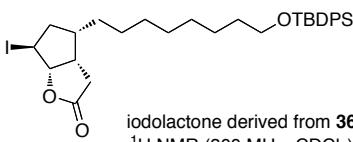




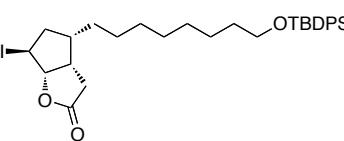
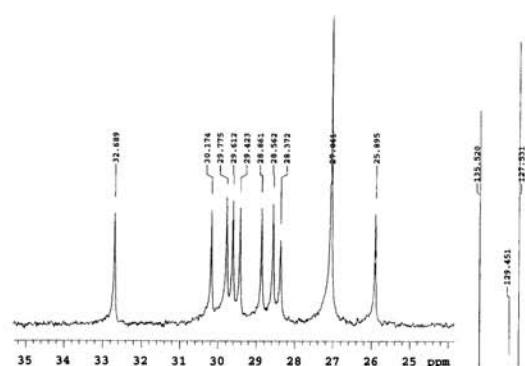
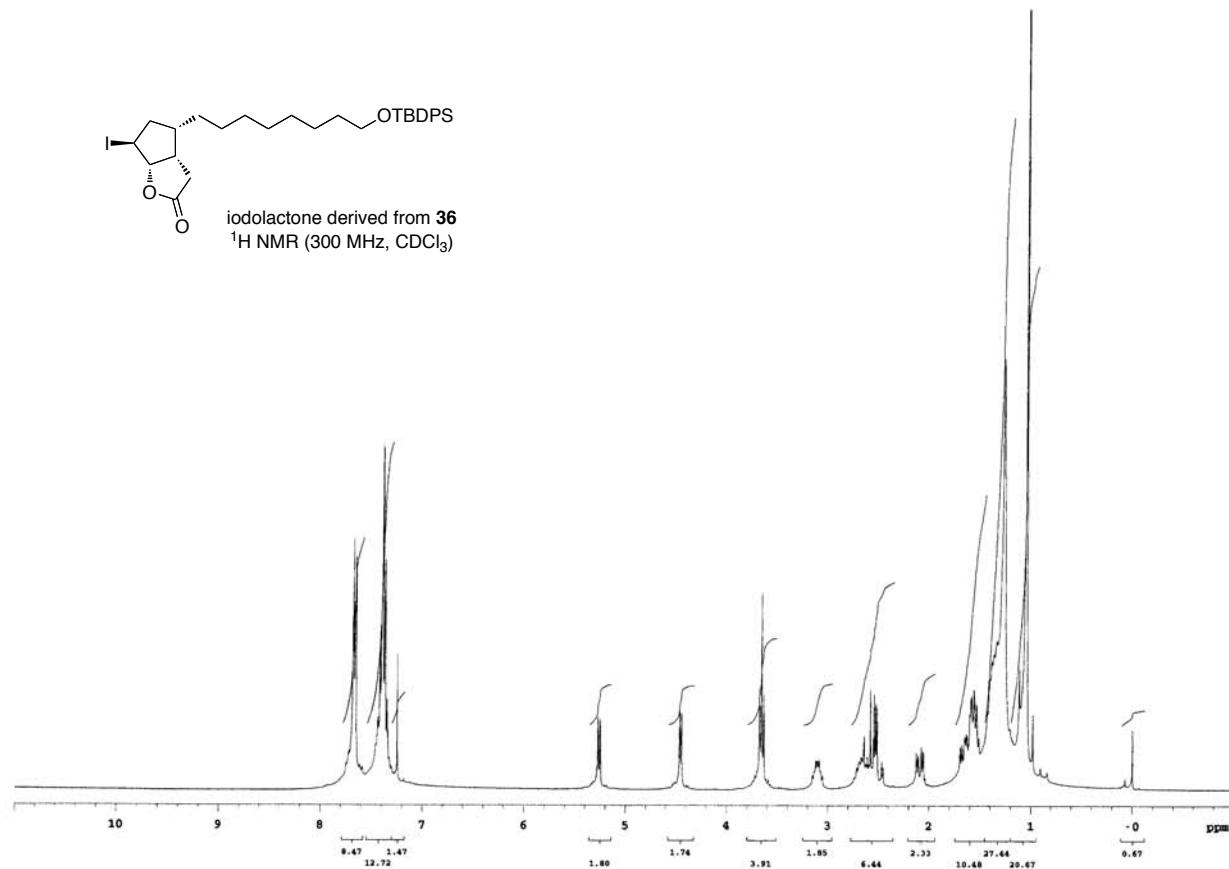




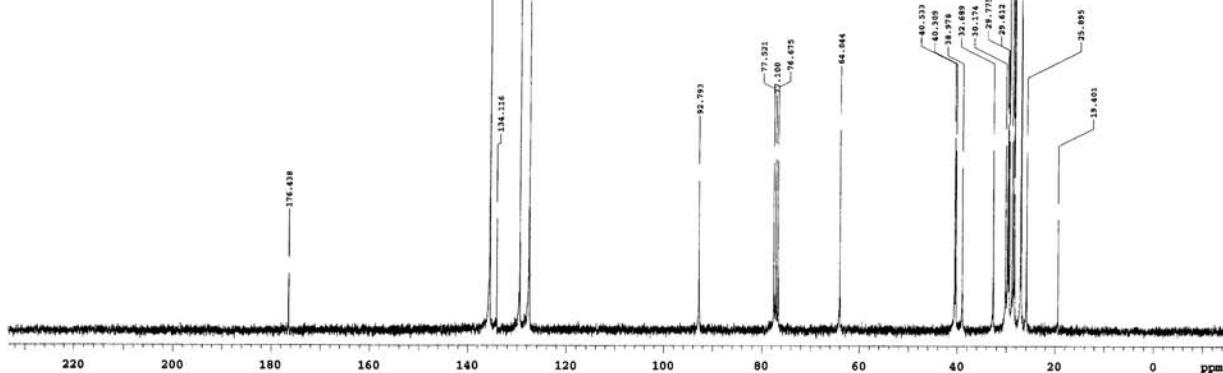


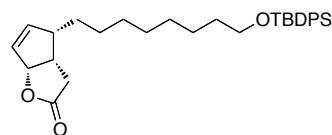


iodolactone derived from 36
 ^1H NMR (300 MHz, CDCl_3)

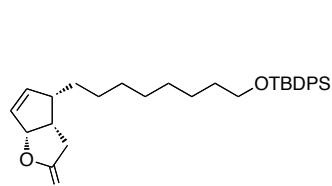
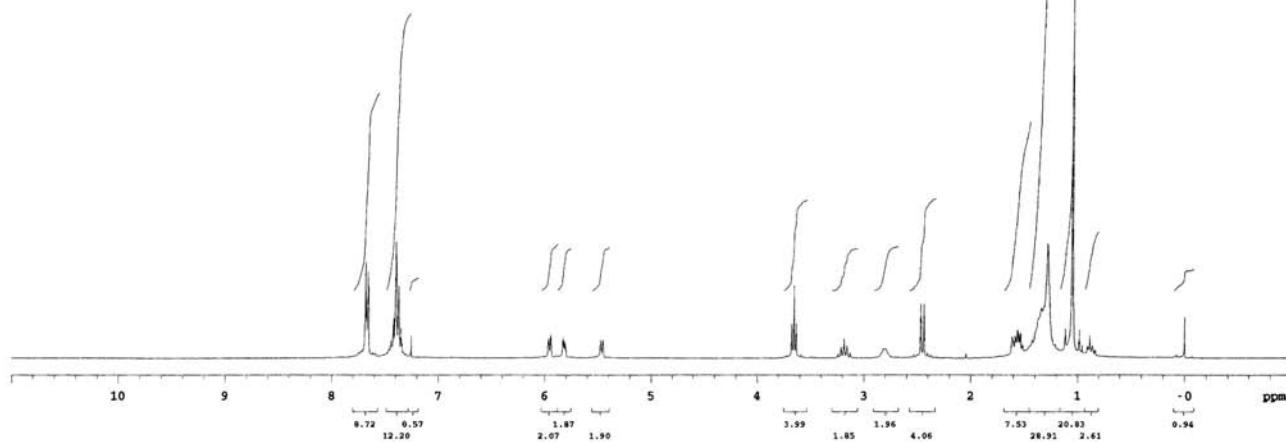


iodolactone derived from 36
 ^{13}C NMR (75 MHz, CDCl_3)

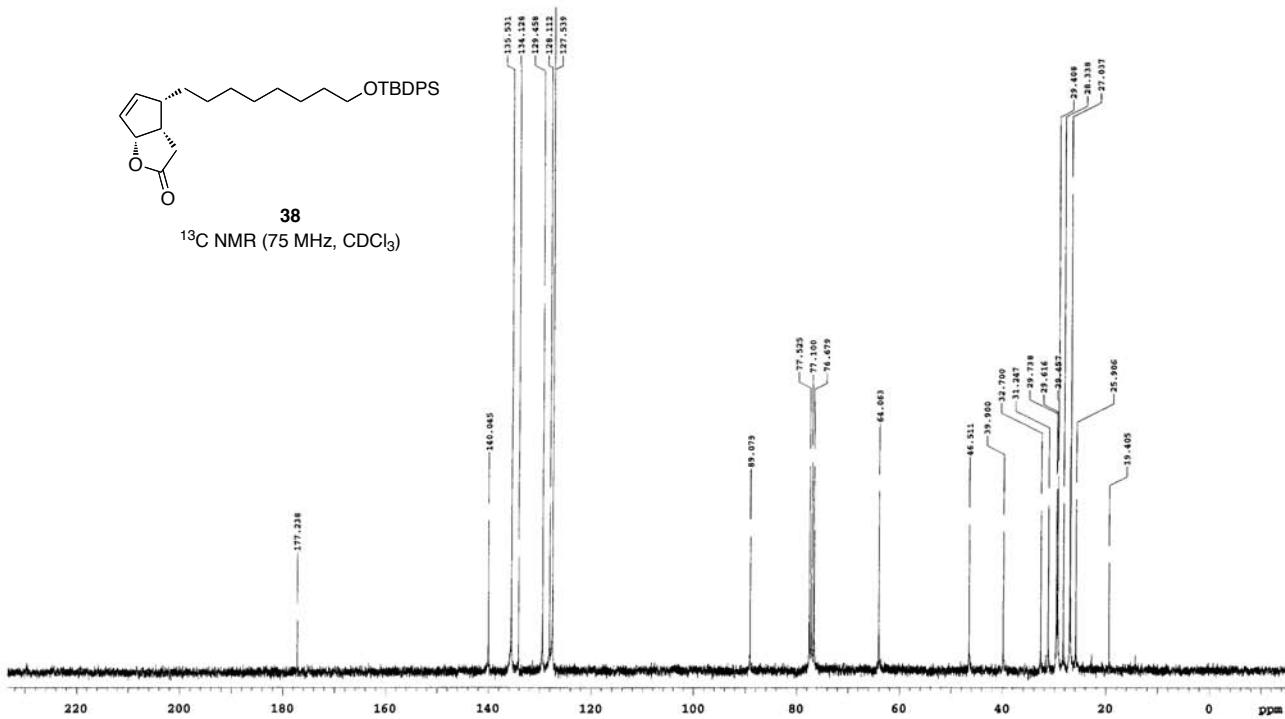


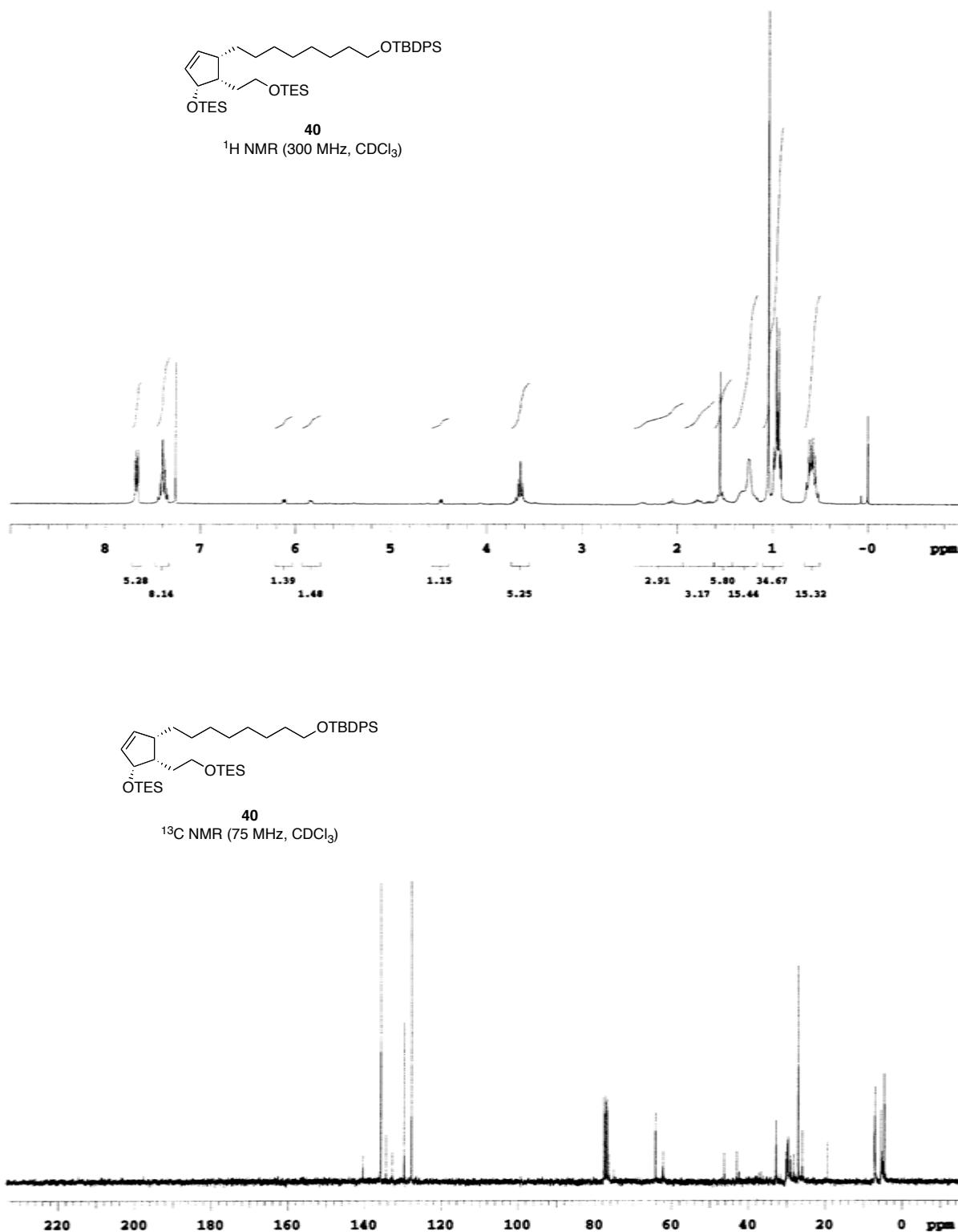


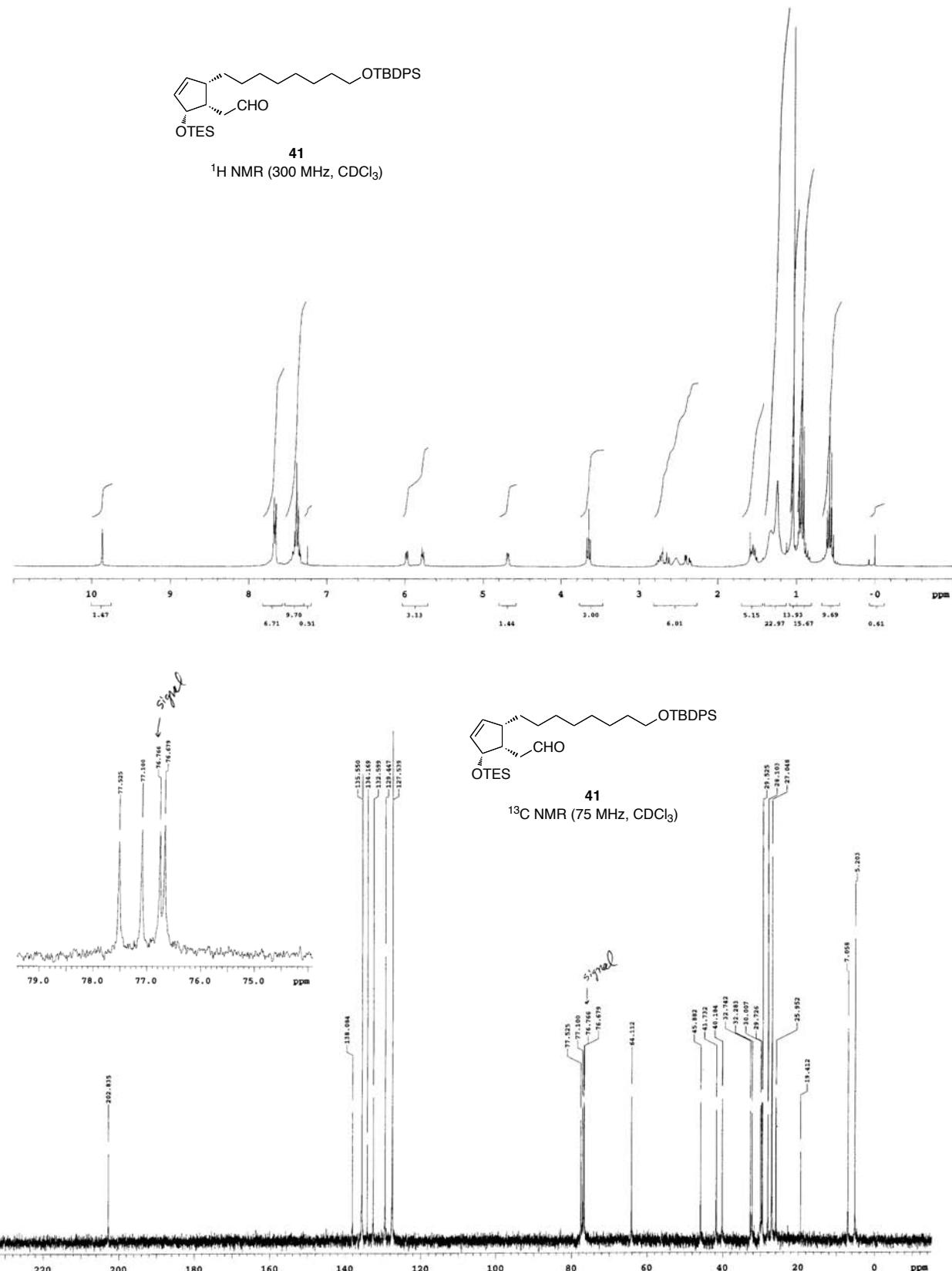
38
 ^1H NMR (300 MHz, CDCl_3)

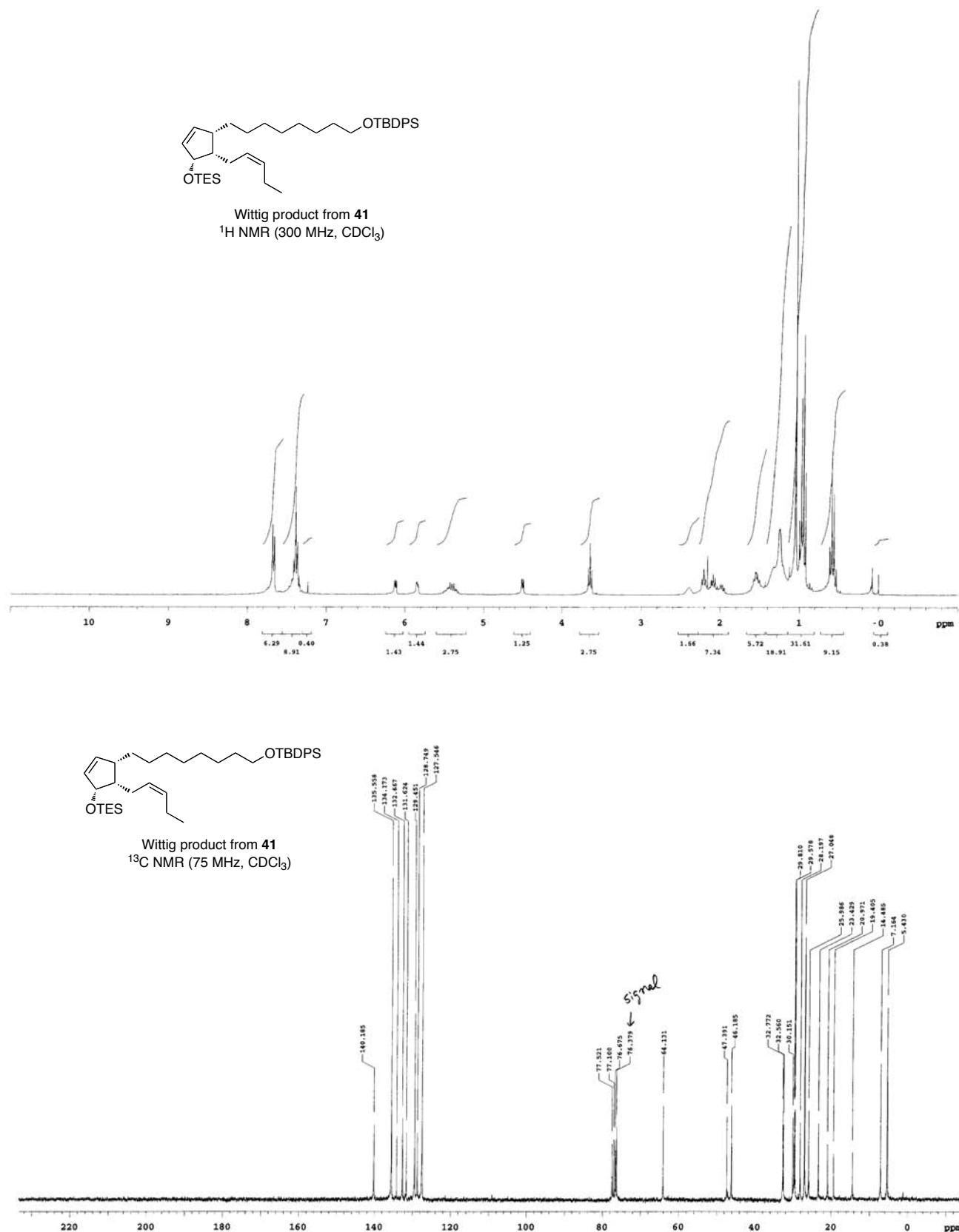


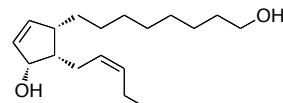
38
 ^{13}C NMR (75 MHz, CDCl_3)



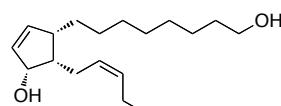
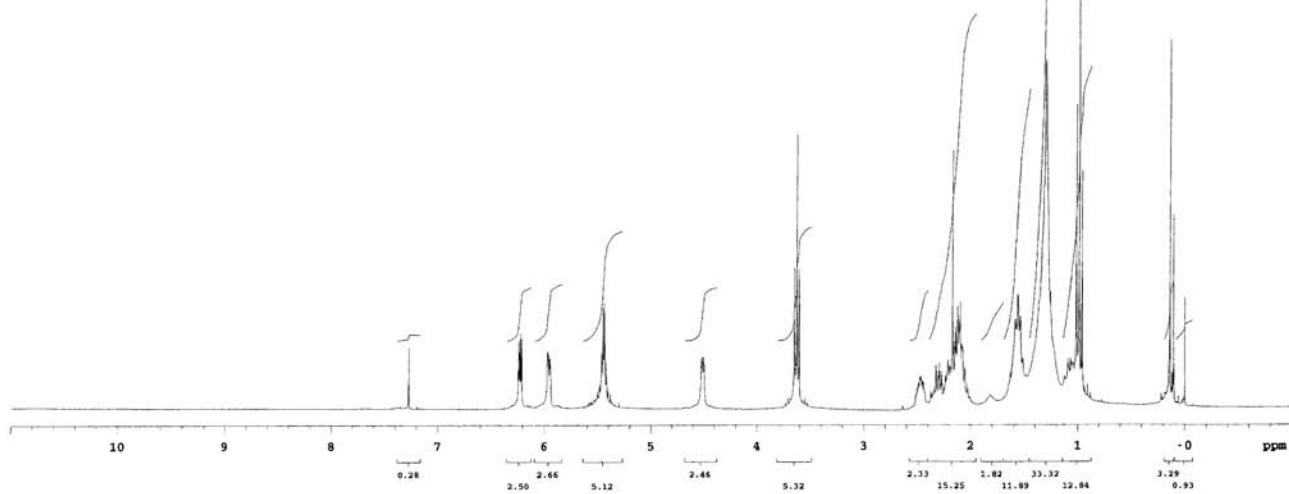




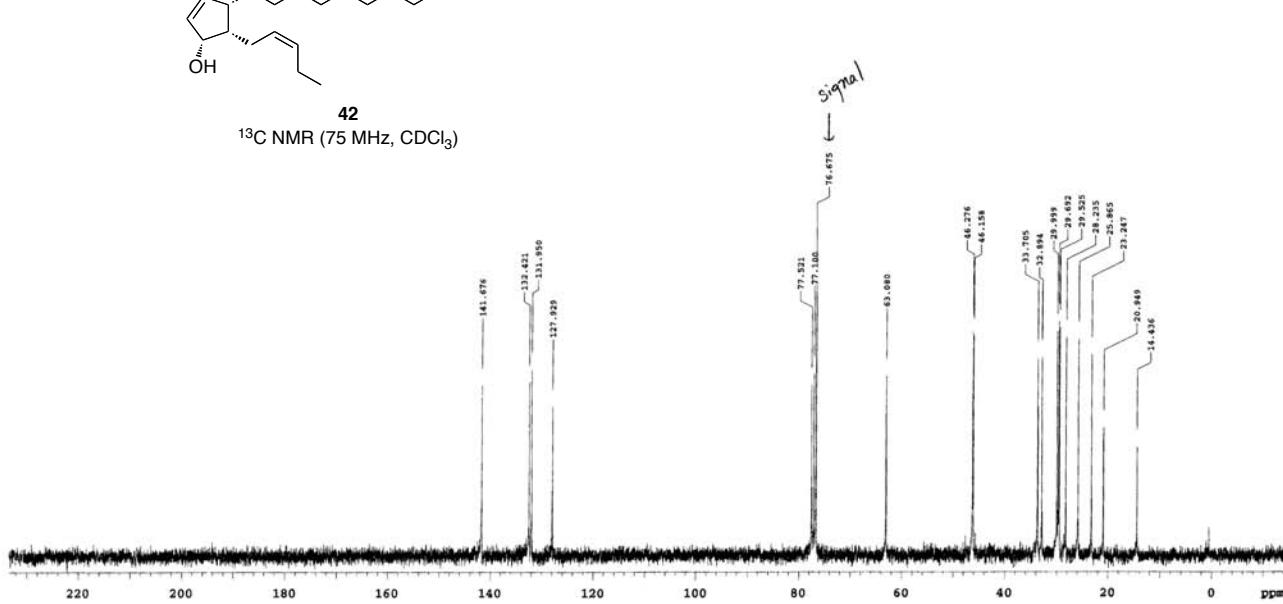


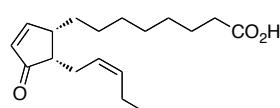


42
 ^1H NMR (300 MHz, CDCl_3)

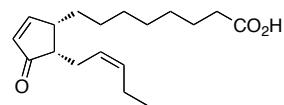
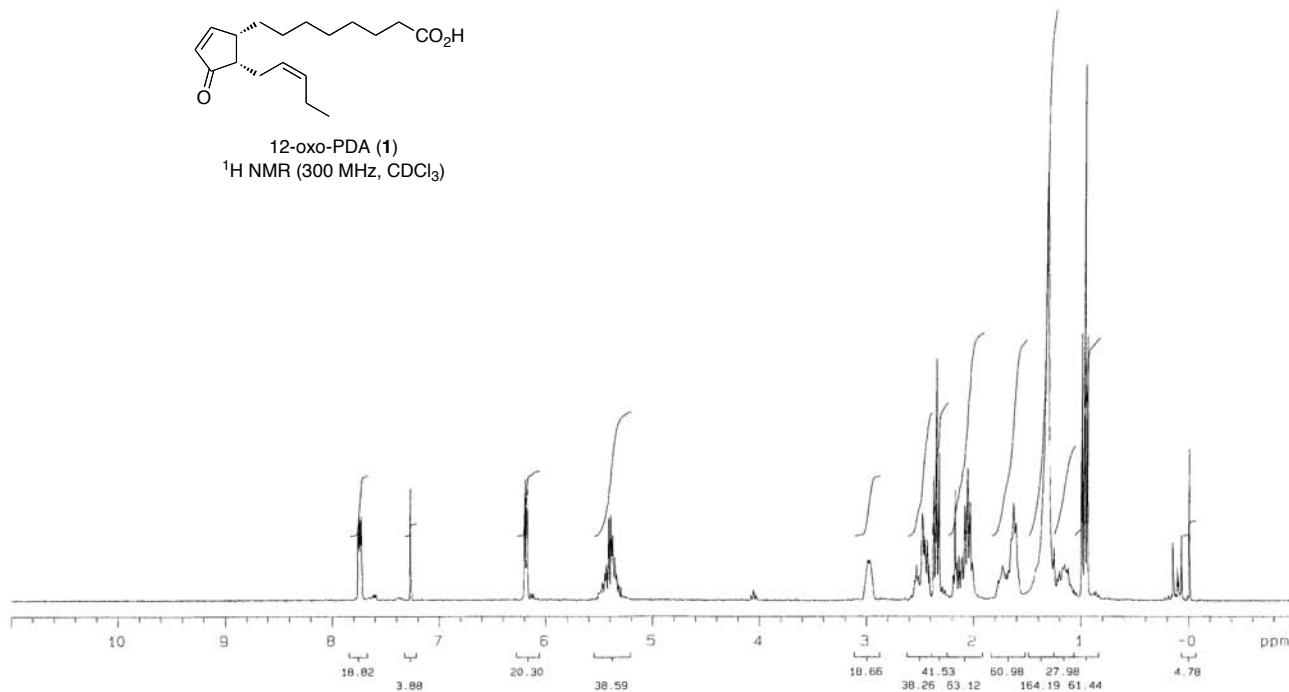


42
 ^{13}C NMR (75 MHz, CDCl_3)





12-oxo-PDA (**1**)
 ^1H NMR (300 MHz, CDCl_3)



12-oxo-PDA (**1**)
 ^{13}C NMR (75 MHz, CDCl_3)

