

Supplementary material

for

**Synthesis of small libraries of natural products. Part II:
identification of a new natural product from the
essential oil of *Pleurospermum austriacum* (L.) Hoffm.
(Apiaceae)**

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Content:

Figure S1. Mass spectrum of phenyl 2-ethylbutanoate (**1a**)

Figure S2a. ¹H NMR spectrum of phenyl 2-ethylbutanoate (**1a**) recorded in CDCl₃

Figure S2b. Spin simulation of the methyl groups at position 4 and 6 (lower) and comparison with the experimental ones (upper) for phenyl 2-ethylbutanoate (**1a**)

Figure S2c. Spin simulation of the proton signals for the methylene groups at position 3 and 5 (lower) and comparison with the experimental ones (upper) for phenyl 2-ethylbutanoate (**1a**)

Figure S2d. Spin simulation of the proton signal at position 2 (lower) and comparison with the experimental ones (upper) for phenyl 2-ethylbutanoate (**1a**)

Figure S3. ¹³C NMR spectrum of phenyl 2-ethylbutanoate (**1a**) recorded in CDCl₃

Figure S4. Mass spectrum of phenyl 2,2-dimethylbutanoate (**1b**)

Figure S5. ¹H NMR spectrum of phenyl 2,2-dimethylbutanoate (**1b**) recorded in CDCl₃

Figure S6. ¹³C NMR spectrum of phenyl 2,2-dimethylbutanoate (**1b**) recorded in CDCl₃

Figure S7. Mass spectrum of phenyl 3,3-dimethylbutanoate (**1c**)

Figure S8. ¹H NMR spectrum of phenyl 3,3-dimethylbutanoate (**1c**) recorded in CDCl₃

Figure S9. ¹³C NMR spectrum of phenyl 3,3-dimethylbutanoate (**1c**) recorded in CDCl₃

Figure S10. Mass spectrum of phenyl 2,3-dimethylbutanoate (**1d**)

Figure S11. ¹H NMR spectrum of phenyl 2,3-dimethylbutanoate (**1d**) recorded in CDCl₃

Figure S12. ^{13}C NMR spectrum of phenyl 2,3-dimethylbutanoate (**1d**) recorded in CDCl_3

Figure S13. Mass spectrum of phenyl 2-methylpentanoate (**1e**)

Figure S14. ^1H NMR spectrum of phenyl 2-methylpentanoate (**1e**) recorded in CDCl_3

Figure S15. ^{13}C NMR spectrum of phenyl 2-methylpentanoate (**1e**) recorded in CDCl_3

Figure S16. Mass spectrum of phenyl 3-methylpentanoate (**1f**)

Figure S17. ^1H NMR spectrum of phenyl 3-methylpentanoate (**1f**) recorded in CDCl_3

Figure S18. ^{13}C NMR spectrum of phenyl 3-methylpentanoate (**1f**) recorded in CDCl_3

Figure S19. Mass spectrum of phenyl 4-methylpentanoate (**1g**)

Figure S20. ^1H NMR spectrum of phenyl 4-methylpentanoate (**1g**) recorded in CDCl_3

Figure S21. ^{13}C NMR spectrum of phenyl 4-methylpentanoate (**1g**) recorded in CDCl_3

Figure S22. Mass spectrum of phenyl hexanoate (**1h**)

Figure S23. ^1H NMR spectrum of phenyl hexanoate (**1h**) recorded in CDCl_3

Figure S24. ^{13}C NMR spectrum of phenyl hexanoate (**1h**) recorded in CDCl_3

Figure S25. Mass spectrum of benzyl 2-ethylbutanoate (**2a**)

Figure S26. ^1H NMR spectrum of benzyl 2-ethylbutanoate (**2a**) recorded in CDCl_3

Figure S27. ^{13}C NMR spectrum of benzyl 2-ethylbutanoate (**2a**) recorded in CDCl_3

Figure S28. Mass spectrum of benzyl 2,2-dimethylbutanoate (**2b**)

Figure S29. ^1H NMR spectrum of benzyl 2,2-dimethylbutanoate (**2b**) recorded in CDCl_3

Figure S30. ^{13}C NMR spectrum of benzyl 2,2-dimethylbutanoate (**2b**) recorded in CDCl_3

Figure S31. Mass spectrum of benzyl 3,3-dimethylbutanoate (**2c**)

Figure S32. ^1H NMR spectrum of benzyl 3,3-dimethylbutanoate (**2c**) recorded in CDCl_3

Figure S33. ^{13}C NMR spectrum of benzyl 3,3-dimethylbutanoate (**2c**) recorded in CDCl_3

Figure S34. Mass spectrum of benzyl 2,3-dimethylbutanoate (**2d**)

Figure S35. ^1H NMR spectrum of benzyl 2,3-dimethylbutanoate (**2d**) recorded in CDCl_3

Figure S36. ^{13}C NMR spectrum of benzyl 2,3-dimethylbutanoate (**2d**) recorded in CDCl_3

Figure S37. Mass spectrum of benzyl 2-methylpentanoate (**2e**)

Figure S38. ^1H NMR spectrum of benzyl 2-methylpentanoate (**2e**) recorded in CDCl_3

Figure S39. ^{13}C NMR spectrum of benzyl 2-methylpentanoate (**2e**) recorded in CDCl_3

Figure S40. Mass spectrum of benzyl 3-methylpentanoate (**2f**)

Figure S41. ^1H NMR spectrum of benzyl 3-methylpentanoate (**2f**) recorded in CDCl_3

Figure S42. ^{13}C NMR spectrum of benzyl 3-methylpentanoate (**2f**) recorded in CDCl_3

Figure S43. Mass spectrum of benzyl 4-methylpentanoate (**2g**)

Figure S44. ^1H NMR spectrum of benzyl 4-methylpentanoate (**2g**) recorded in CDCl_3

Figure S45. ^{13}C NMR spectrum of benzyl 4-methylpentanoate (**2g**) recorded in CDCl_3

Figure S46. Mass spectrum of benzyl hexanoate (**2h**)

Figure S47. ^1H NMR spectrum of benzyl hexanoate (**2h**) recorded in CDCl_3

Figure S48. ^{13}C NMR spectrum of benzyl hexanoate (**2h**) recorded in CDCl_3

Figure S49. Mass spectrum of phenethyl 2-ethylbutanoate (**3a**)

Figure S50. ^1H NMR spectrum of phenethyl 2-ethylbutanoate (**3a**) recorded in CDCl_3

Figure S51. ^{13}C NMR spectrum of phenethyl 2-ethylbutanoate (**3a**) recorded in CDCl_3

Figure S52. Mass spectrum of phenethyl 2,2-dimethylbutanoate (**3b**)

Figure S53. ^1H NMR spectrum of phenethyl 2,2-dimethylbutanoate (**3b**) recorded in CDCl_3

Figure S54. ^{13}C NMR spectrum of phenethyl 2,2-dimethylbutanoate (**3b**) recorded in CDCl_3

Figure S55. Mass spectrum of phenethyl 3,3-dimethylbutanoate (**3c**)

Figure S56. ^1H NMR spectrum of phenethyl 3,3-dimethylbutanoate (**3c**) recorded in CDCl_3

Figure S57. ^{13}C NMR spectrum of phenethyl 3,3-dimethylbutanoate (**3c**) recorded in CDCl_3

Figure S58. Mass spectrum of phenethyl 2,3-dimethylbutanoate (**3d**)

Figure S59. ^1H NMR spectrum of phenethyl 2,3-dimethylbutanoate (**3d**) recorded in CDCl_3

Figure S60. ^{13}C NMR spectrum of phenethyl 2,3-dimethylbutanoate (**3d**) recorded in CDCl_3

Figure S61. Mass spectrum of phenethyl 2-methylpentanoate (**3e**)

Figure S62. ^1H NMR spectrum of phenethyl 2-methylpentanoate (**3e**) recorded in CDCl_3

Figure S63. ^{13}C NMR spectrum of phenethyl 2-methylpentanoate (**3e**) recorded in CDCl_3

Figure S64. Mass spectrum of phenethyl 3-methylpentanoate (**3f**)

Figure S65. ^1H NMR spectrum of phenethyl 3-methylpentanoate (**3f**) recorded in CDCl_3

Figure S66. ^{13}C NMR spectrum of phenethyl 3-methylpentanoate (**3f**) recorded in CDCl_3

Figure S67. Mass spectrum of phenethyl 4-methylpentanoate (**3g**)

Figure S68. ^1H NMR spectrum of phenethyl 4-methylpentanoate (**3g**) recorded in CDCl_3

Figure S69. ^{13}C NMR spectrum of phenethyl 4-methylpentanoate (**3g**) recorded in CDCl_3

Figure S70. Mass spectrum of phenethyl hexanoate (**3h**)

Figure S71. ^1H NMR spectrum of phenethyl hexanoate (**3h**) recorded in CDCl_3

Figure S72. ^{13}C NMR spectrum of phenethyl hexanoate (**3h**) recorded in CDCl_3

Figure S73. Mass spectrum of 3-phenylpropyl 2-ethylbutanoate (**4a**)

Figure S74. ^1H NMR spectrum of 3-phenylpropyl 2-ethylbutanoate (**4a**) recorded in CDCl_3

Figure S75. ^{13}C NMR spectrum of 3-phenylpropyl 2-ethylbutanoate (**4a**) recorded in CDCl_3

Figure S76. Mass spectrum of 3-phenylpropyl 2,2-dimethylbutanoate (**4b**)

Figure S77. ^1H NMR spectrum of 3-phenylpropyl 2,2-dimethylbutanoate (**4b**) recorded in CDCl_3

Figure S78. ^{13}C NMR spectrum of 3-phenylpropyl 2,2-dimethylbutanoate (**4b**) recorded in CDCl_3

Figure S79. Mass spectrum of 3-phenylpropyl 3,3-dimethylbutanoate (**4c**)

Figure S80. ^1H NMR spectrum of 3-phenylpropyl 3,3-dimethylbutanoate (**4c**) recorded in CDCl_3

Figure S81. ^{13}C NMR spectrum of 3-phenylpropyl 3,3-dimethylbutanoate (**4c**) recorded in CDCl_3

Figure S82. Mass spectrum of 3-phenylpropyl 2,3-dimethylbutanoate (**4d**)

Figure S83. ^1H NMR spectrum of 3-phenylpropyl 2,3-dimethylbutanoate (**4d**) recorded in CDCl_3

Figure S84. ^{13}C NMR spectrum of 3-phenylpropyl 2,3-dimethylbutanoate (**4d**) recorded in CDCl_3

Figure S85. Mass spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S86a. ^1H NMR spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**) recorded in CDCl_3

Figure S86b. $^1\text{H} - ^1\text{H}$ COSY spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S86c. NOESY spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S87a. ^{13}C NMR spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**) recorded in CDCl_3

Figure S87b. DEPT 135 spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S87c. Proton-coupled ^{13}C NMR spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S87d. grHSQC spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S87e. grHMBC spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

Figure S88. Mass spectrum of 3-phenylpropyl 3-methylpentanoate (**4f**)

Figure S89. ^1H NMR spectrum of 3-phenylpropyl 3-methylpentanoate (**4f**) recorded in CDCl_3

Figure S90. ^{13}C NMR spectrum of 3-phenylpropyl 3-methylpentanoate (**4f**) recorded in CDCl_3

Figure S91. Mass spectrum of 3-phenylpropyl 4-methylpentanoate (**4g**)

Figure S92. ^1H NMR spectrum of 3-phenylpropyl 4-methylpentanoate (**4g**) recorded in CDCl_3

Figure S93. ^{13}C NMR spectrum of 3-phenylpropyl 4-methylpentanoate (**4g**) recorded in CDCl_3

Figure S94. Mass spectrum of 3-phenylpropyl hexanoate (**4h**)

Figure S95. ^1H NMR spectrum of 3-phenylpropyl hexanoate (**4h**) recorded in CDCl_3

Figure S96. ^{13}C NMR spectrum of 3-phenylpropyl hexanoate (**4h**) recorded in CDCl_3

Figure S97. Mass spectrum of 4-phenylbutyl 2-ethylbutanoate (**5a**)

Figure S98. ^1H NMR spectrum of 4-phenylbutyl 2-ethylbutanoate (**5a**) recorded in CDCl_3

Figure S99. ^{13}C NMR spectrum of 4-phenylbutyl 2-ethylbutanoate (**5a**) recorded in CDCl_3

Figure S100. Mass spectrum of 4-phenylbutyl 2,2-dimethylbutanoate (**5b**)

Figure S101. ^1H NMR spectrum of 4-phenylbutyl 2,2-dimethylbutanoate (**5b**) recorded in CDCl_3

Figure S102. ^{13}C NMR spectrum of 4-phenylbutyl 2,2-dimethylbutanoate (**5b**) recorded in CDCl_3

Figure S103. Mass spectrum of 4-phenylbutyl 3,3-dimethylbutanoate (**5c**)

Figure S104. ^1H NMR spectrum of 4-phenylbutyl 3,3-dimethylbutanoate (**5c**) recorded in CDCl_3

Figure S105. ^{13}C NMR spectrum of 4-phenylbutyl 3,3-dimethylbutanoate (**5c**) recorded in CDCl_3

Figure S106. Mass spectrum of 4-phenylbutyl 2,3-dimethylbutanoate (**5d**)

Figure S107. ^1H NMR spectrum of 4-phenylbutyl 2,3-dimethylbutanoate (**5d**) recorded in CDCl_3

Figure S108. ^{13}C NMR spectrum of 4-phenylbutyl 2,3-dimethylbutanoate (**5d**) recorded in CDCl_3

Figure S109. Mass spectrum of 4-phenylbutyl 2-methylpentanoate (**5e**)

Figure S110. ^1H NMR spectrum of 4-phenylbutyl 2-methylpentanoate (**5e**) recorded in CDCl_3

Figure S111. ^{13}C NMR spectrum of 4-phenylbutyl 2-methylpentanoate (**5e**) recorded in CDCl_3

Figure S112. Mass spectrum of 4-phenylbutyl 3-methylpentanoate (**5f**)

Figure S113. ^1H NMR spectrum of 4-phenylbutyl 3-methylpentanoate (**5f**) recorded in CDCl_3

Figure S114. ^{13}C NMR spectrum of 4-phenylbutyl 3-methylpentanoate (**5f**) recorded in CDCl_3

Figure S115. Mass spectrum of 4-phenylbutyl 4-methylpentanoate (**5g**)

Figure S116. ^1H NMR spectrum of 4-phenylbutyl 4-methylpentanoate (**5g**) recorded in CDCl_3

Figure S117. ^{13}C NMR spectrum of 4-phenylbutyl 4-methylpentanoate (**5g**) recorded in CDCl_3

Figure S118. Mass spectrum of 4-phenylbutyl hexanoate (**5h**)

Figure S119. ^1H NMR spectrum of 4-phenylbutyl hexanoate (**5h**) recorded in CDCl_3

Figure S120. ^{13}C NMR spectrum of 4-phenylbutyl hexanoate (**5h**) recorded in CDCl_3

Figure S121. Mass spectrum of 5-phenylpentyl 2-ethylbutanoate (**6a**)

Figure S122. ^1H NMR spectrum of 5-phenylpentyl 2-ethylbutanoate (**6a**) recorded in CDCl_3

Figure S123. ^{13}C NMR spectrum of 5-phenylpentyl 2-ethylbutanoate (**6a**) recorded in CDCl_3

Figure S124. Mass spectrum of 5-phenylpentyl 2,2-dimethylbutanoate (**6b**)

Figure S125. ^1H NMR spectrum of 5-phenylpentyl 2,2-dimethylbutanoate (**6b**) recorded in CDCl_3

Figure S126. ^{13}C NMR spectrum of 5-phenylpentyl 2,2-dimethylbutanoate (**6b**) recorded in CDCl_3

Figure S127. Mass spectrum of 5-phenylpentyl 3,3-dimethylbutanoate (**6c**)

Figure S128. ^1H NMR spectrum of 5-phenylpentyl 3,3-dimethylbutanoate (**6c**) recorded in CDCl_3

Figure S129. ^{13}C NMR spectrum of 5-phenylpentyl 3,3-dimethylbutanoate (**6c**) recorded in CDCl_3

Figure S130. Mass spectrum of 5-phenylpentyl 2,3-dimethylbutanoate (**6d**)

Figure S131. ^1H NMR spectrum of 5-phenylpentyl 2,3-dimethylbutanoate (**6d**) recorded in CDCl_3

Figure S132. ^{13}C NMR spectrum of 5-phenylpentyl 2,3-dimethylbutanoate (**6d**) recorded in CDCl_3

Figure S133. Mass spectrum of 5-phenylpentyl 2-methylpentanoate (**6e**)

Figure S134. ^1H NMR spectrum of 5-phenylpentyl 2-methylpentanoate (**6e**) recorded in CDCl_3

Figure S135. ^{13}C NMR spectrum of 5-phenylpentyl 2-methylpentanoate (**6e**) recorded in CDCl_3

Figure S136. Mass spectrum of 5-phenylpentyl 3-methylpentanoate (**6f**)

Figure S137. ^1H NMR spectrum of 5-phenylpentyl 3-methylpentanoate (**6f**) recorded in CDCl_3

Figure S138. ^{13}C NMR spectrum of 5-phenylpentyl 3-methylpentanoate (**6f**) recorded in CDCl_3

Figure S139. Mass spectrum of 5-phenylpentyl 4-methylpentanoate (**6g**)

Figure S140. ^1H NMR spectrum of 5-phenylpentyl 4-methylpentanoate (**6g**) recorded in CDCl_3

Figure S141. ^{13}C NMR spectrum of 5-phenylpentyl 4-methylpentanoate (**6g**) recorded in CDCl_3

Figure S142. Mass spectrum of 5-phenylpentyl hexanoate (**6h**)

Figure S143. ^1H NMR spectrum of 5-phenylpentyl hexanoate (**6h**) recorded in CDCl_3

Figure S144. ^{13}C NMR spectrum of 5-phenylpentyl hexanoate (**6h**) recorded in CDCl_3

Figure S145. Typical total ion current (TIC) chromatogram of a mixture of synthesized (**A**) 3-methylpentanoates and (**B**) 4-methylpentanoates

Figure S146. The dependence of RI values of the esters of the same acid (2-ethylbutanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S147. The dependence of RI values of the esters of the same acid (2,2-dimethylbutanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S148. The dependence of RI values of the esters of the same acid (3,3-dimethylbutanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S149. The dependence of RI values of the esters of the same acid (2,3-dimethylbutanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S150. The dependence of RI values of the esters of the same acid (2-methylpentanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S151. The dependence of RI values of the esters of the same acid (3-methylpentanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S152. The dependence of RI values of the esters of the same acid (4-methylpentanoic acid) and phenol (**1**), benzyl alcohol (**2**), phenethyl alcohol (**3**), 3-phenylpropanol (**4**), 4-phenylbutanol (**5**), and 5-phenylpentanol (**6**)

Figure S153. The dependence of RI values of the esters of the same acid (hexanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

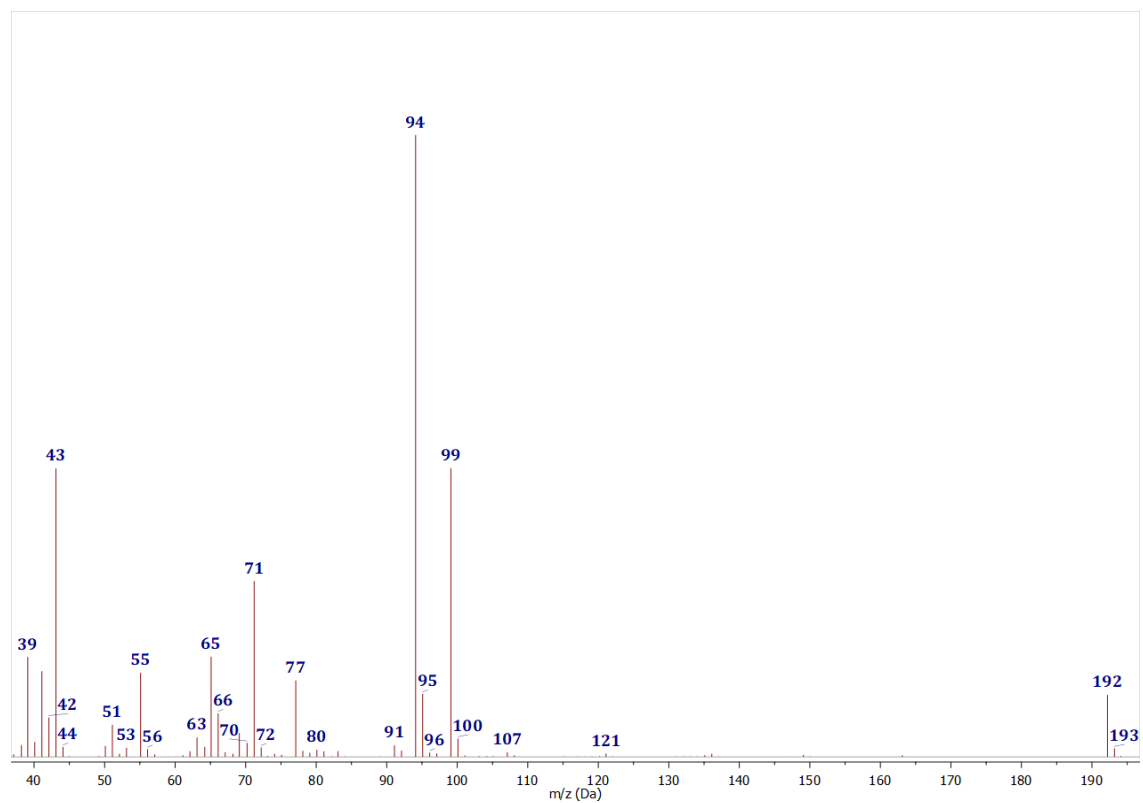


Figure S1. Mass spectrum of phenyl 2-ethylbutanoate (**1a**)

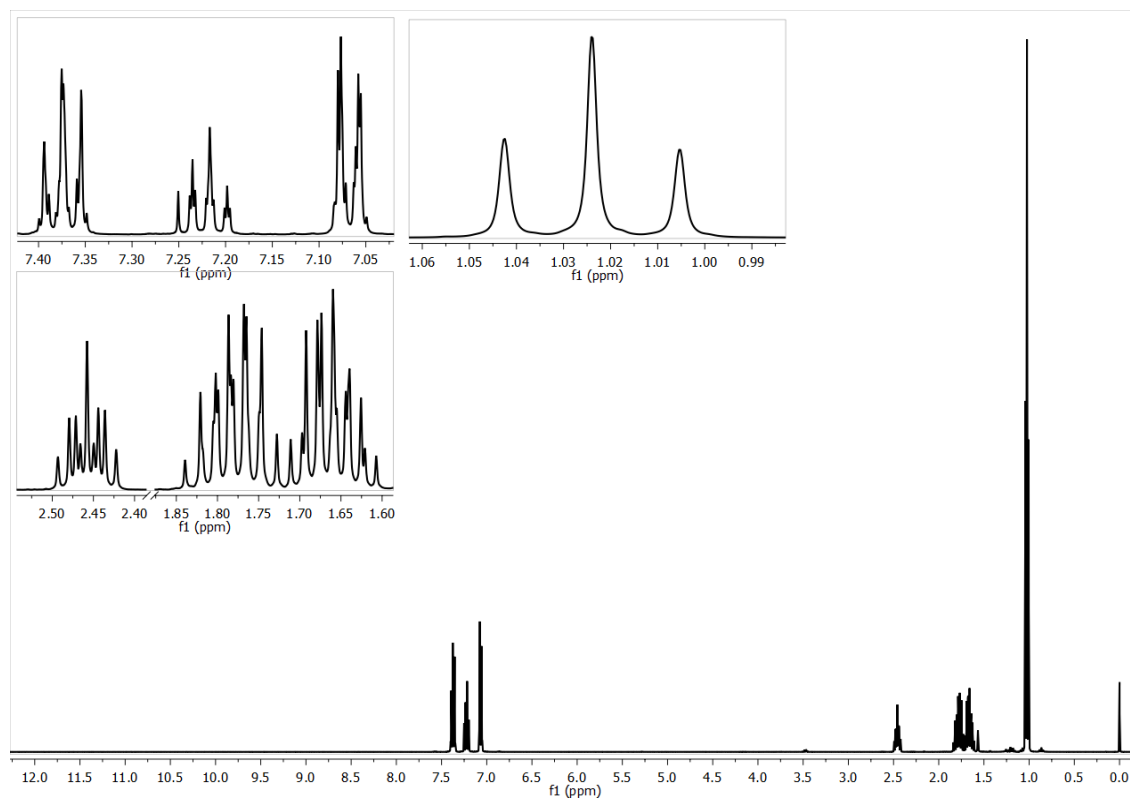


Figure S2a. ^1H NMR spectrum of phenyl 2-ethylbutanoate (**1a**) recorded in CDCl_3

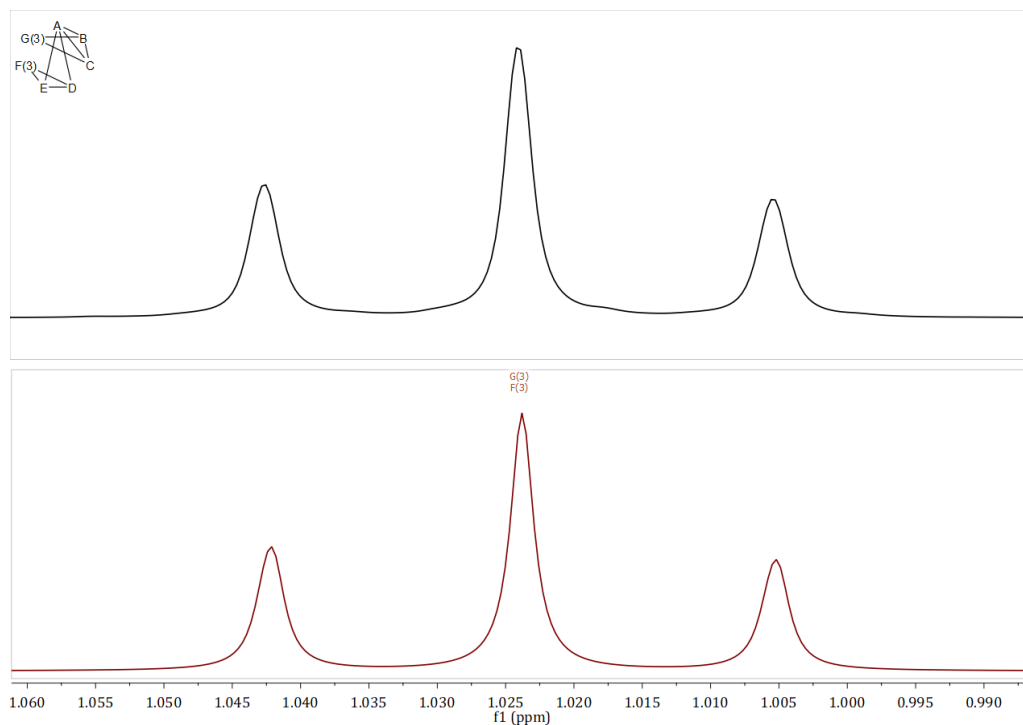


Figure S2b. Spin simulation of the methyl groups at position 4 and 6 (lower) and comparison with the experimental ones (upper) for phenyl 2-ethylbutanoate (**1a**)

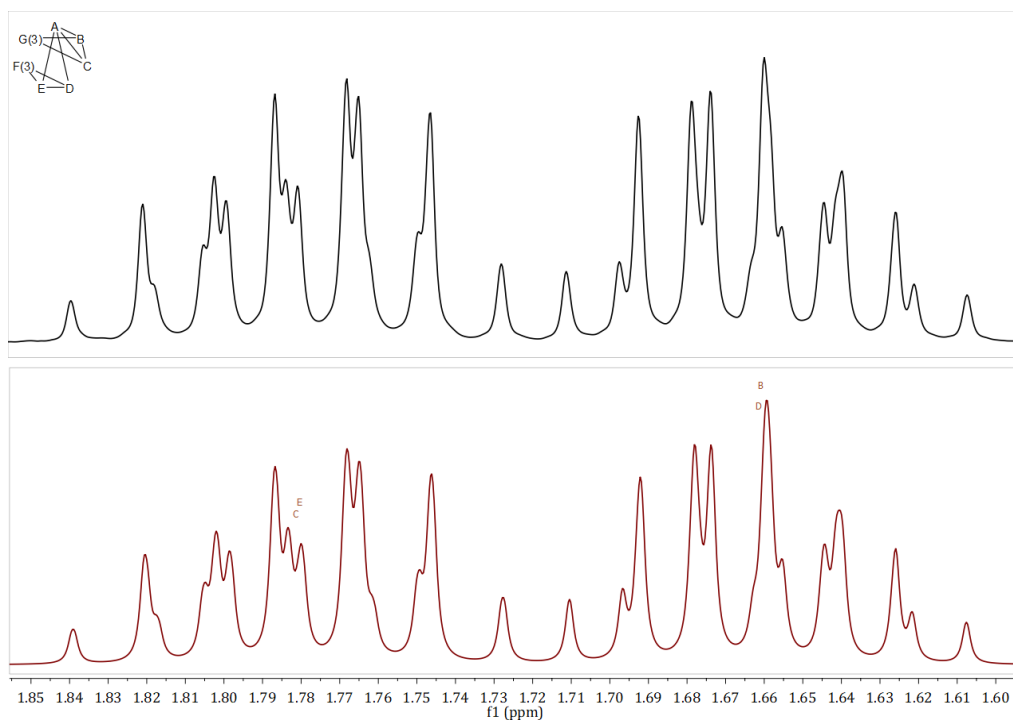


Figure S2c. Spin simulation of the proton signals for the methylene groups at position 3 and 5 (lower) and comparison with the experimental ones (upper) for phenyl 2-ethylbutanoate (**1a**)

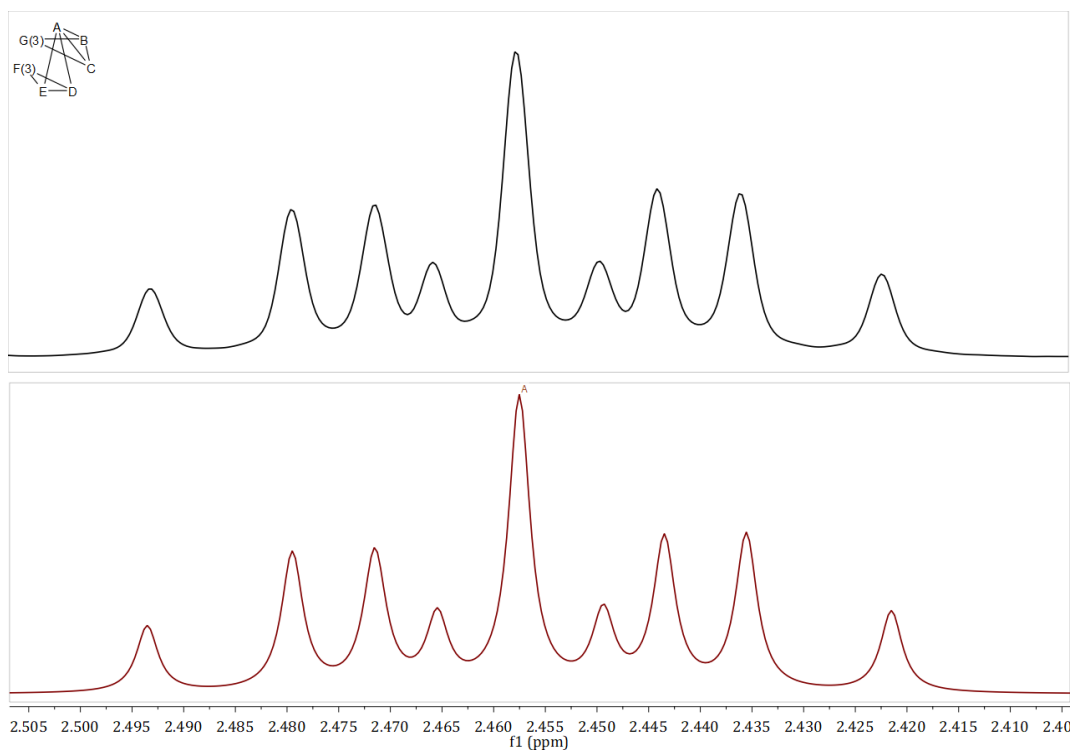


Figure S2d. Spin simulation of the proton signal at position 2 (lower) and comparison with the experimental ones (upper) for phenyl 2-ethylbutanoate (**1a**)

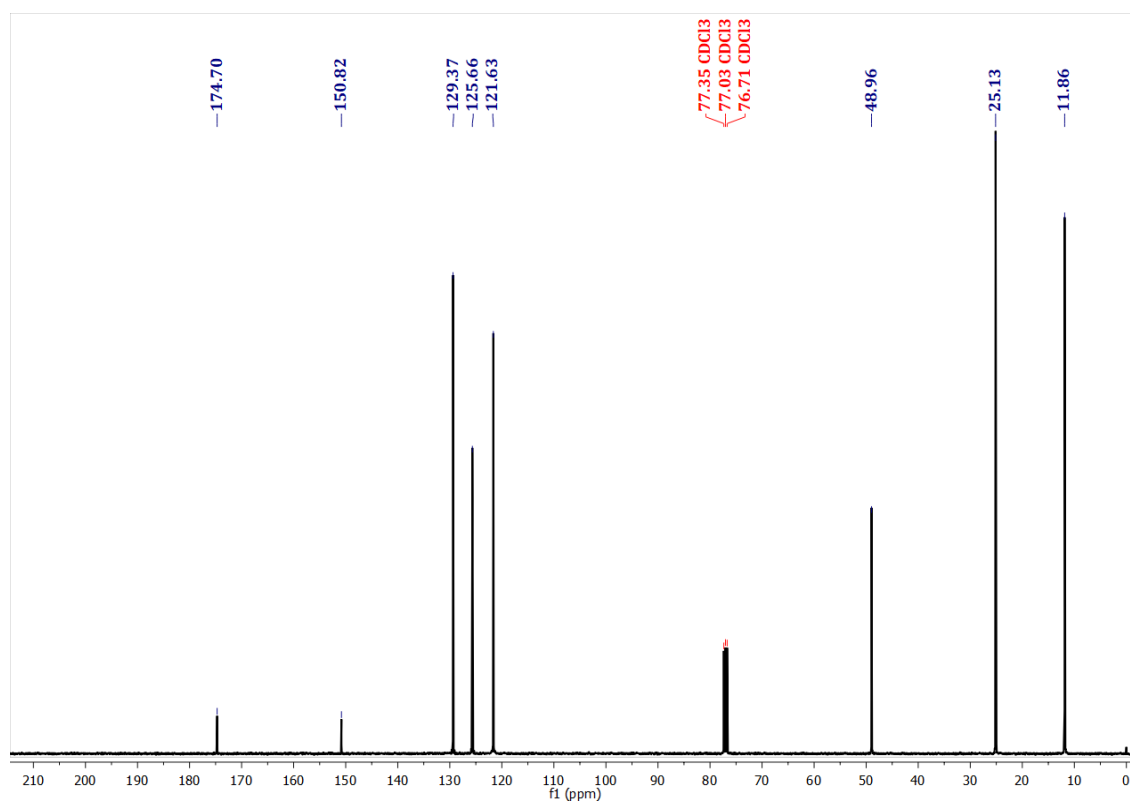


Figure S3. ^{13}C NMR spectrum of phenyl 2-ethylbutanoate (**1a**) recorded in CDCl_3

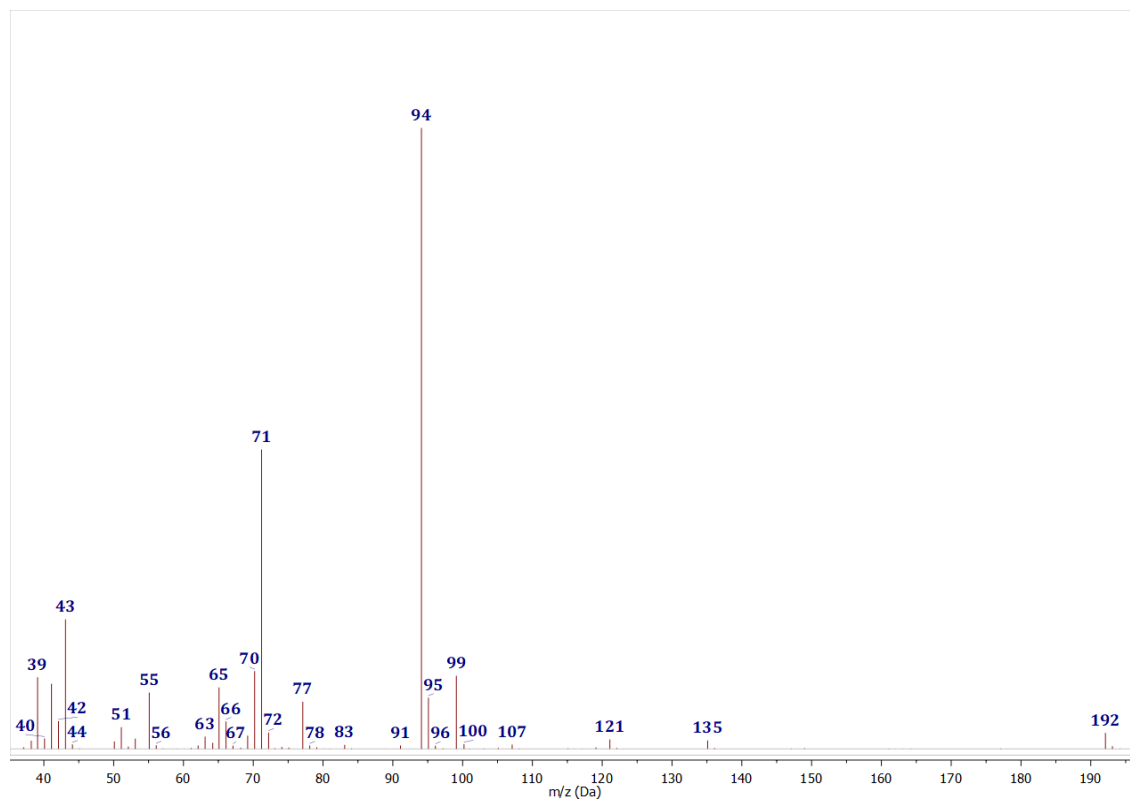


Figure S4. Mass spectrum of phenyl 2,2-dimethylbutanoate (**1b**)

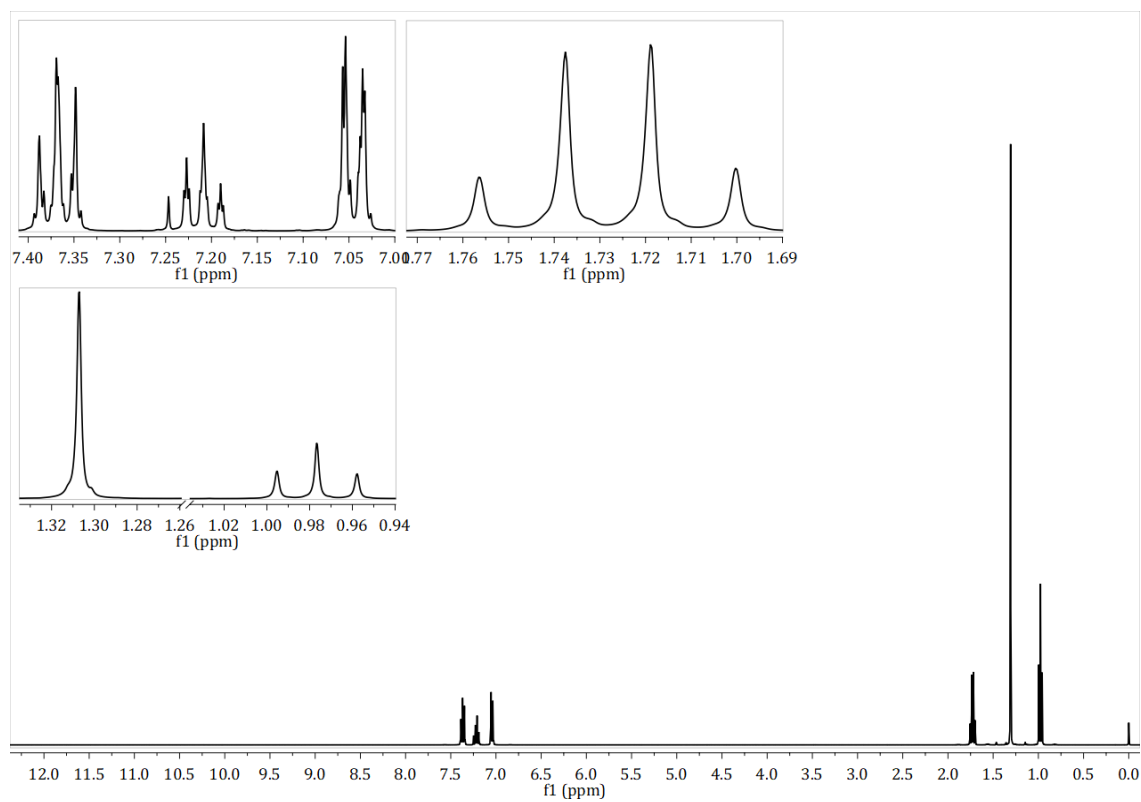


Figure S5. ^1H NMR spectrum of phenyl 2,2-dimethylbutanoate (**1b**) recorded in CDCl_3

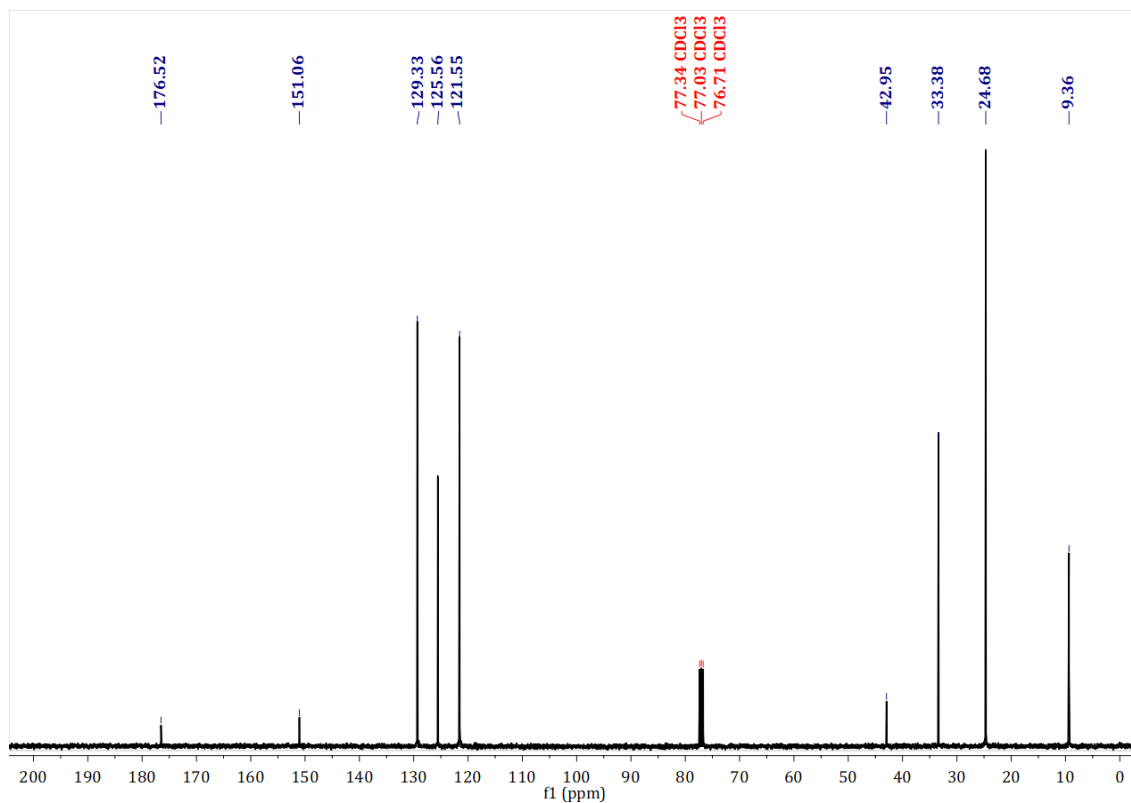


Figure S6. ¹³C NMR spectrum of phenyl 2,2-dimethylbutanoate (**1b**) recorded in CDCl₃

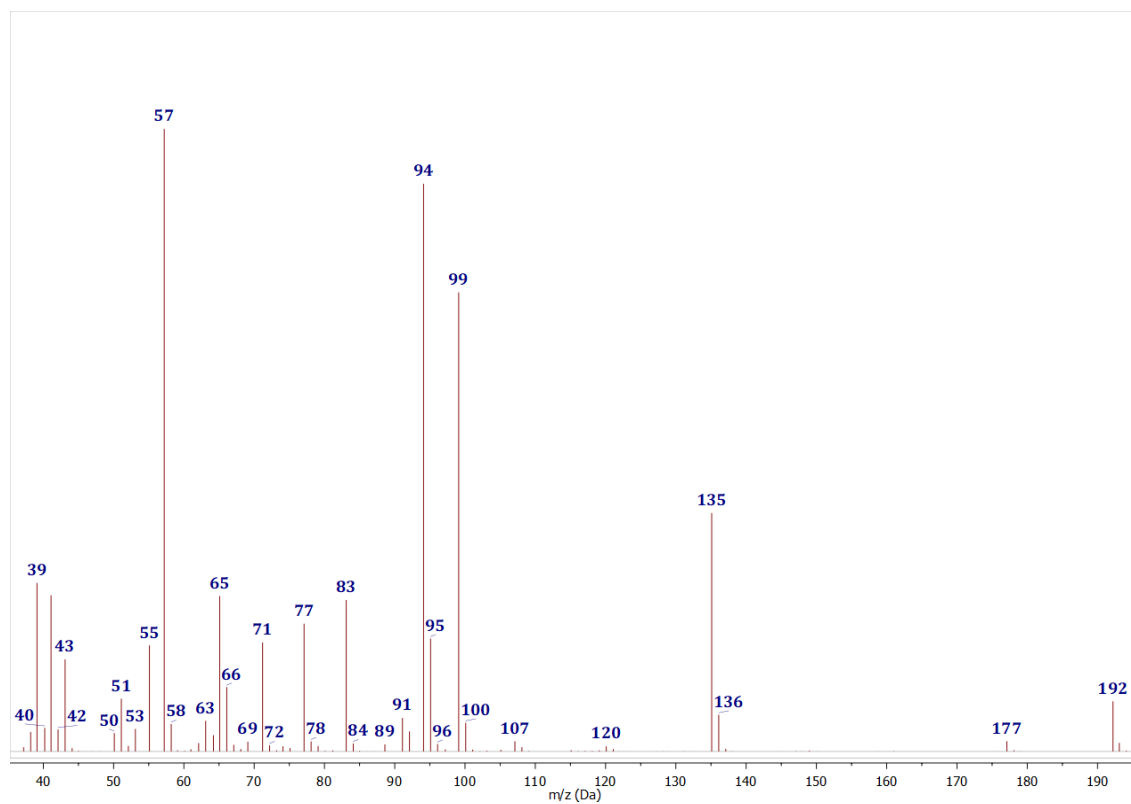


Figure S7. Mass spectrum of phenyl 3,3-dimethylbutanoate (**1c**)

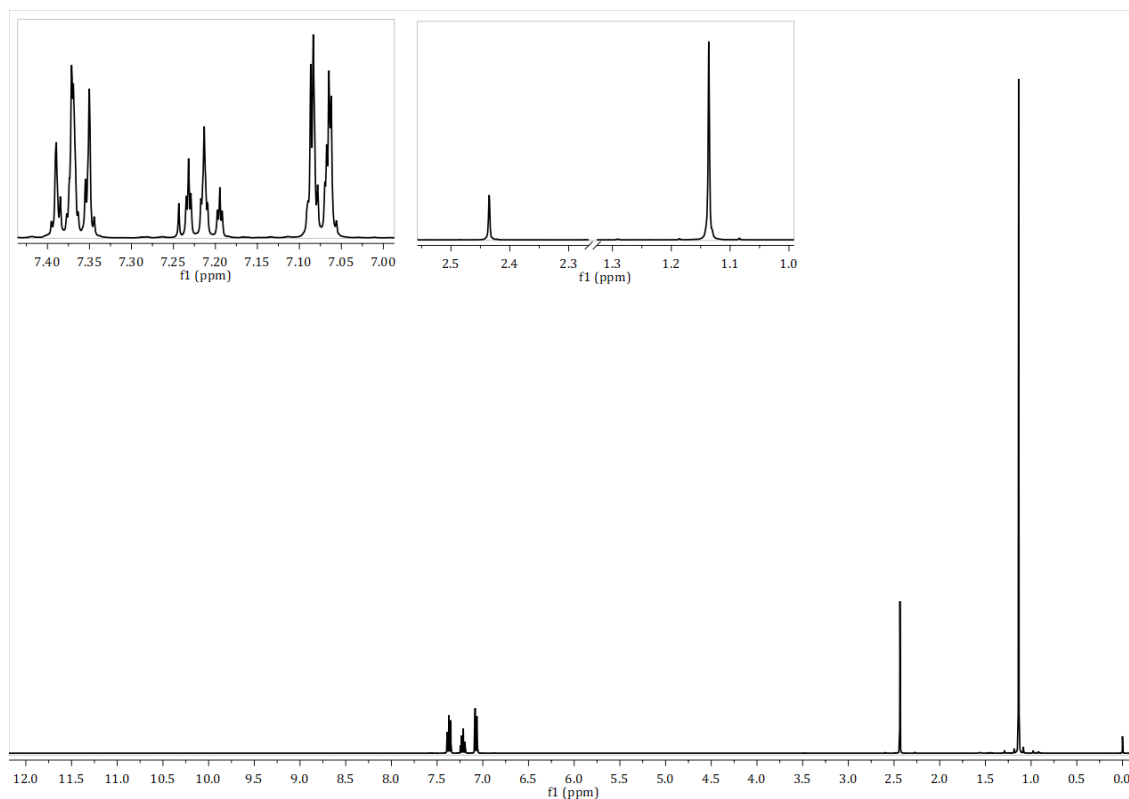


Figure S8. ¹H NMR spectrum of phenyl 3,3-dimethylbutanoate (**1c**) recorded in CDCl₃

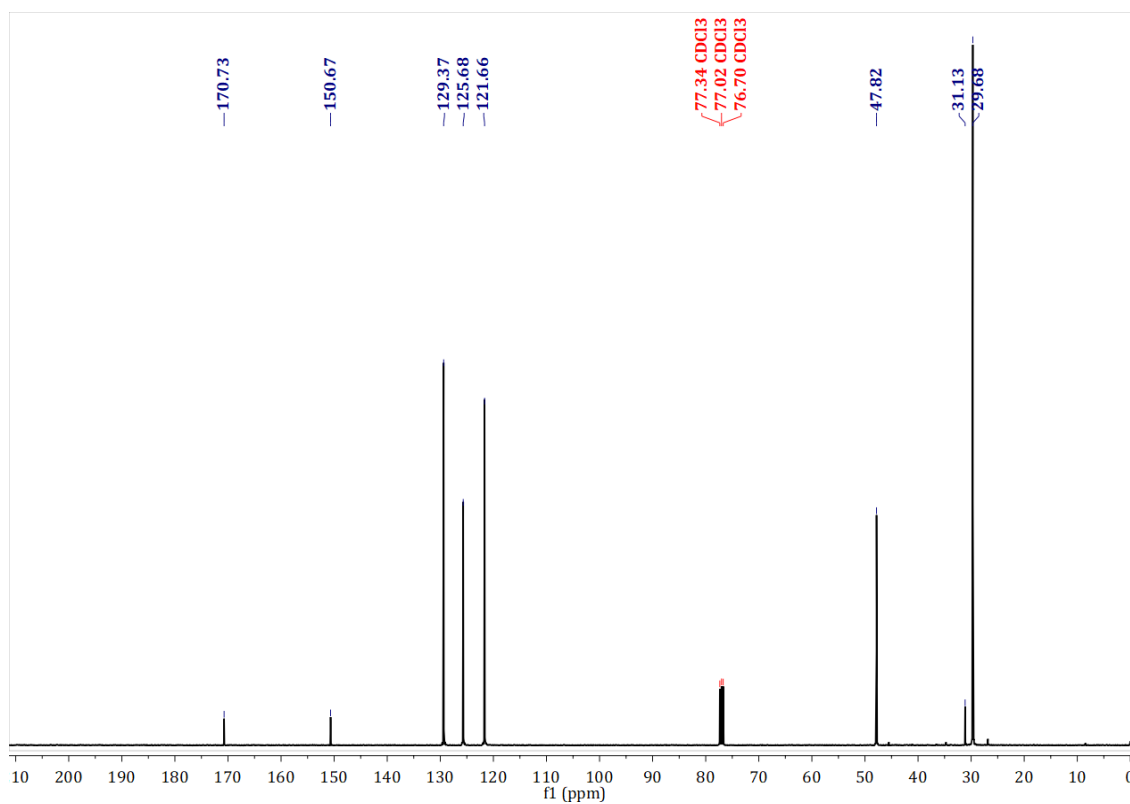


Figure S9. ¹³C NMR spectrum of phenyl 3,3-dimethylbutanoate (**1c**) recorded in CDCl₃

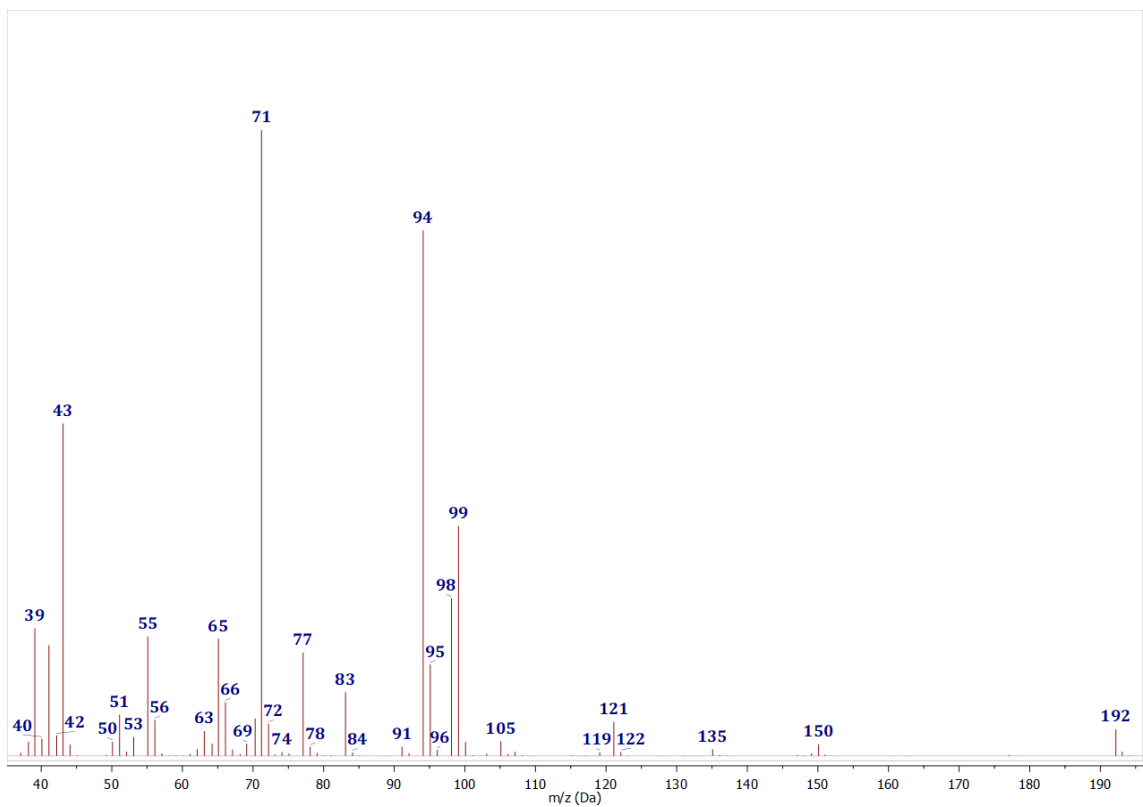


Figure S10. Mass spectrum of phenyl 2,3-dimethylbutanoate (**1d**)

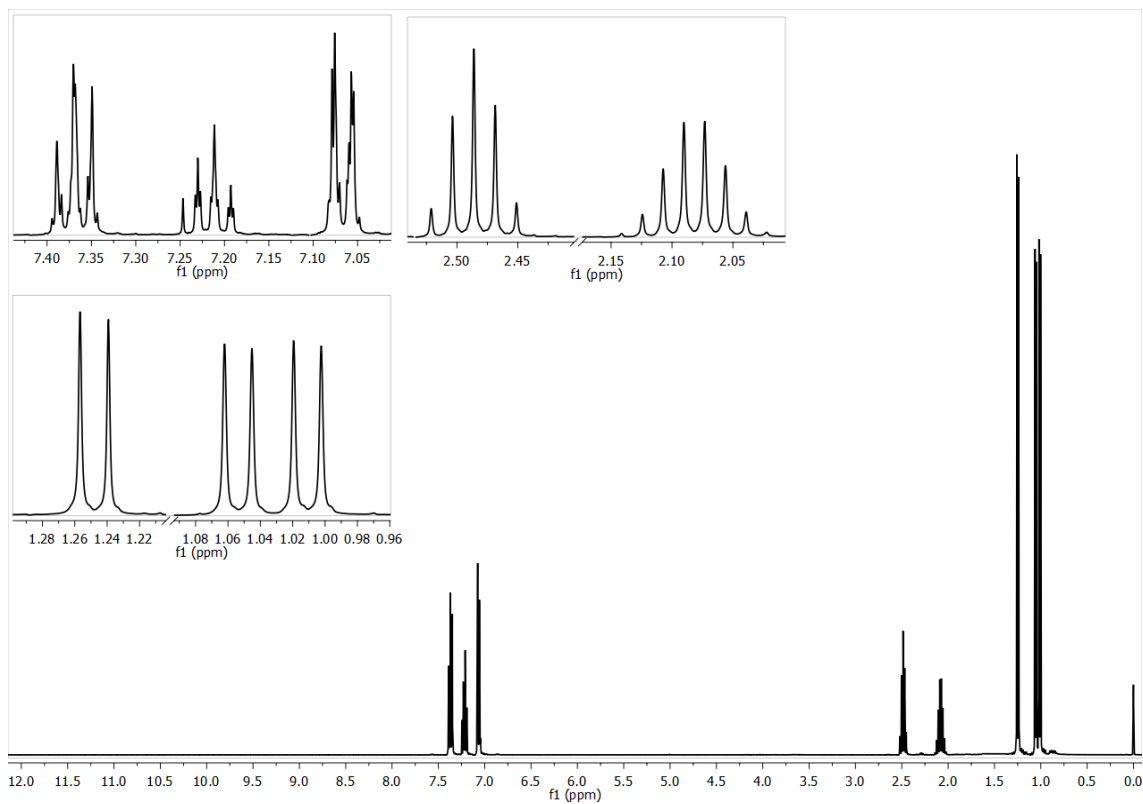


Figure S11. ^1H NMR spectrum of phenyl 2,3-dimethylbutanoate (**1d**) recorded in CDCl_3

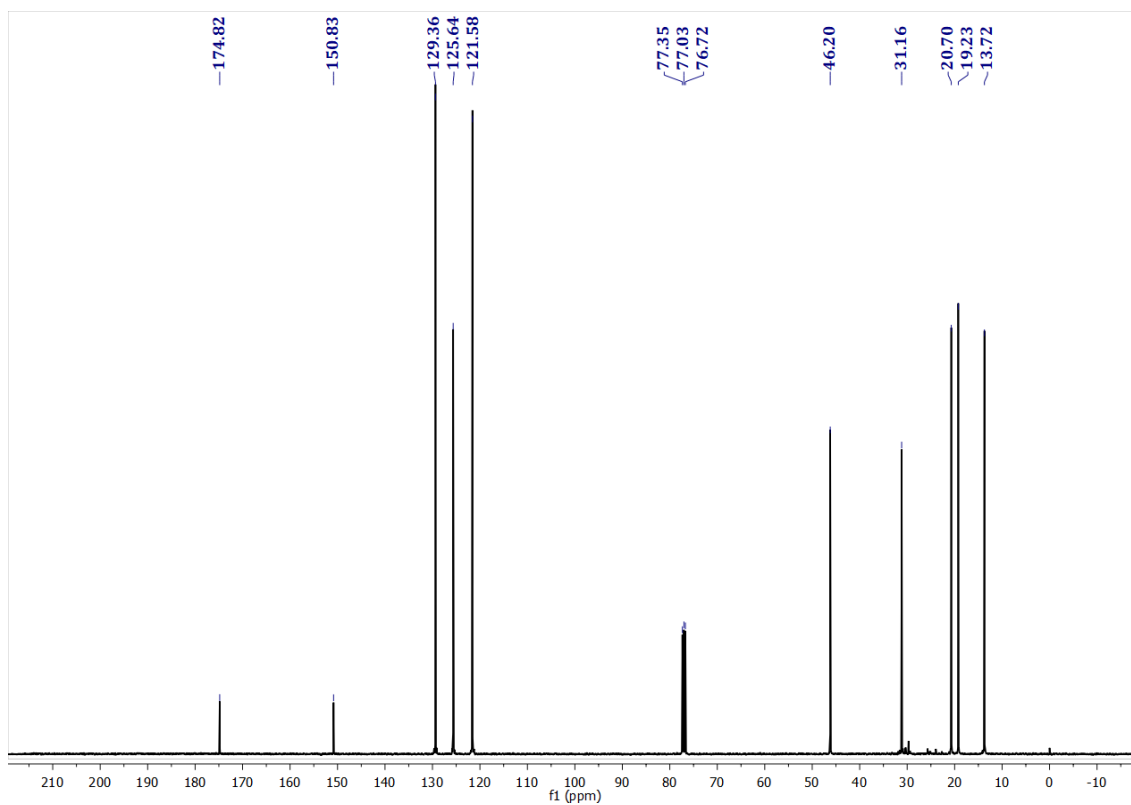


Figure S12. ¹³C NMR spectrum of phenyl 2,3-dimethylbutanoate (**1d**) recorded in CDCl₃

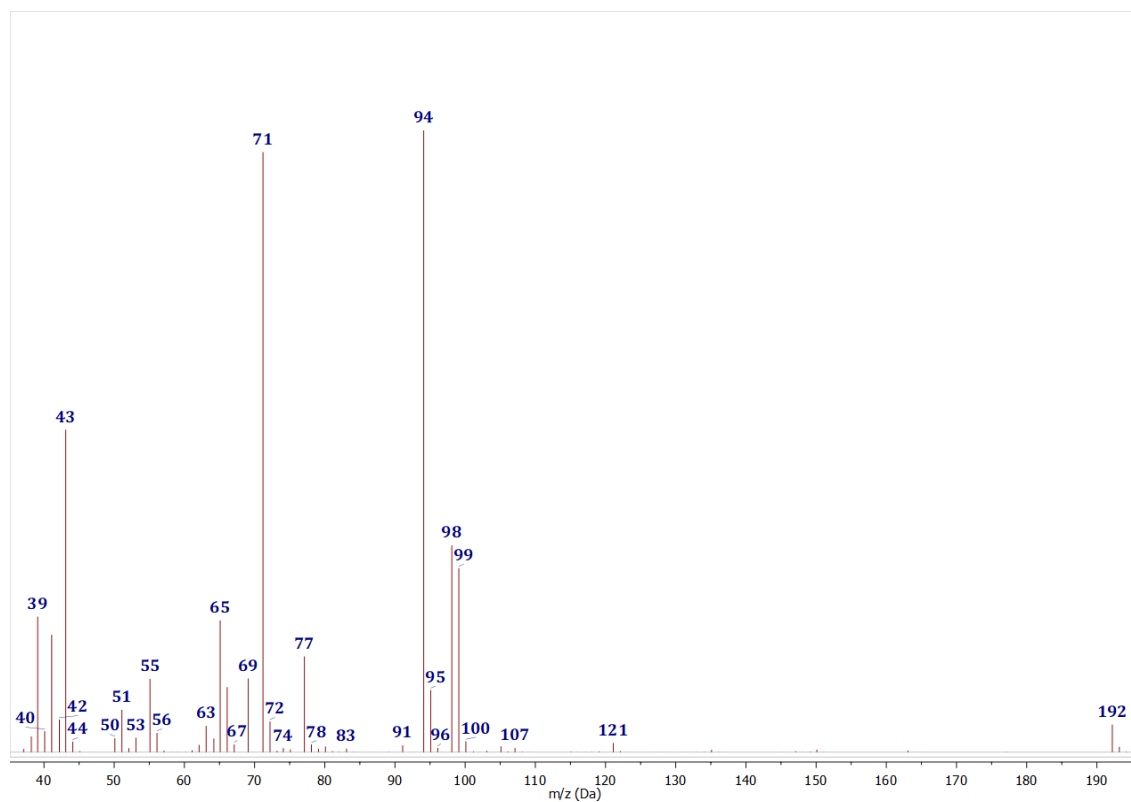


Figure S13. Mass spectrum of phenyl 2-methylpentanoate (**1e**)

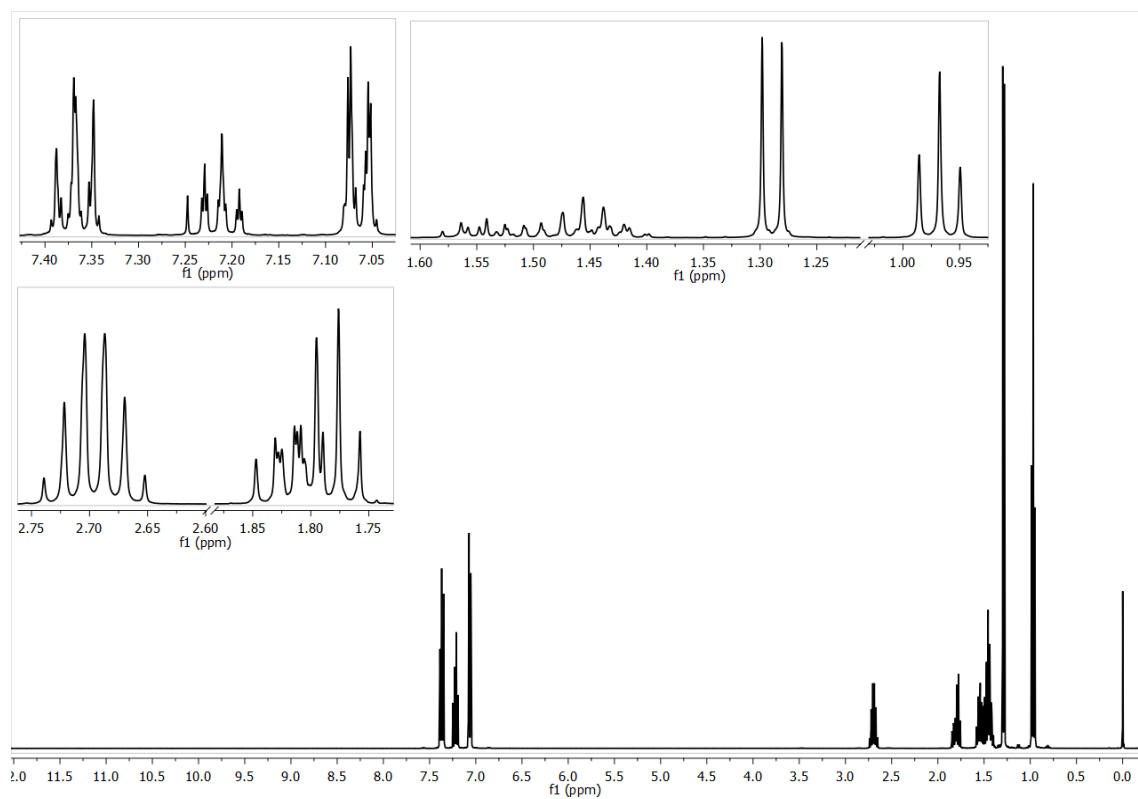


Figure S14. ¹H NMR spectrum of phenyl 2-methylpentanoate (**1e**) recorded in CDCl₃

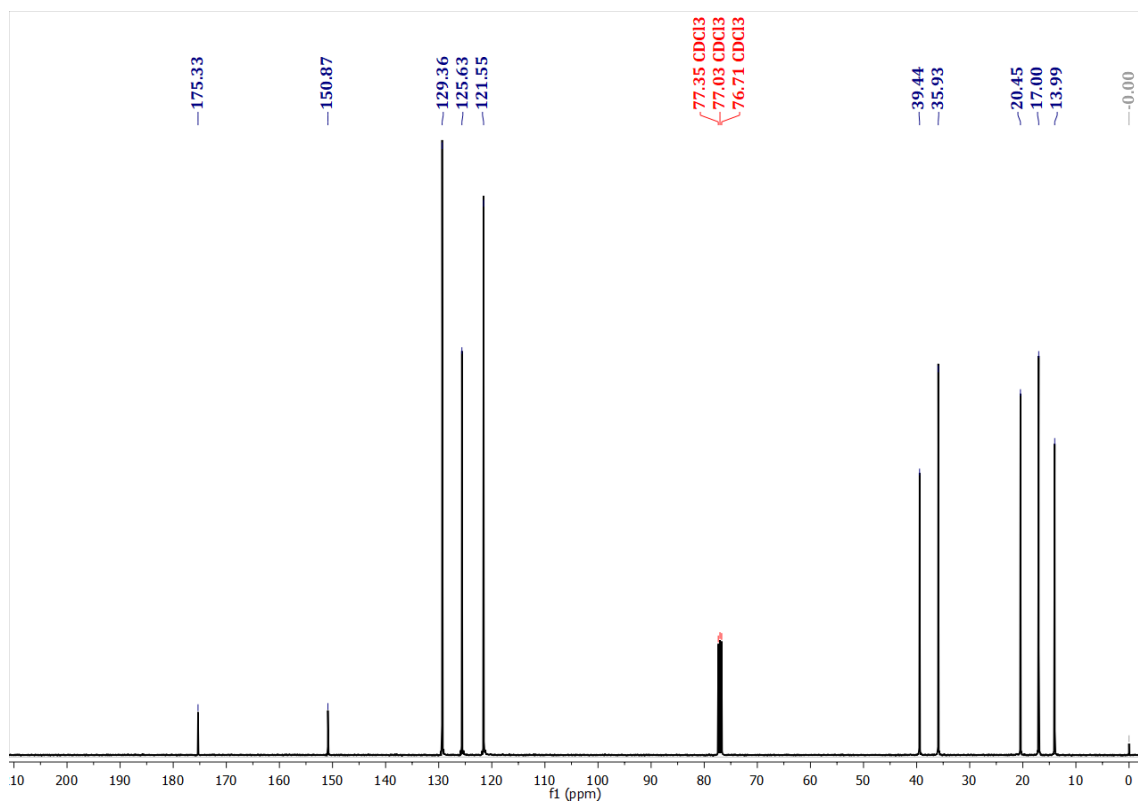


Figure S15. ¹³C NMR spectrum of phenyl 2-methylpentanoate (**1e**) recorded in CDCl₃

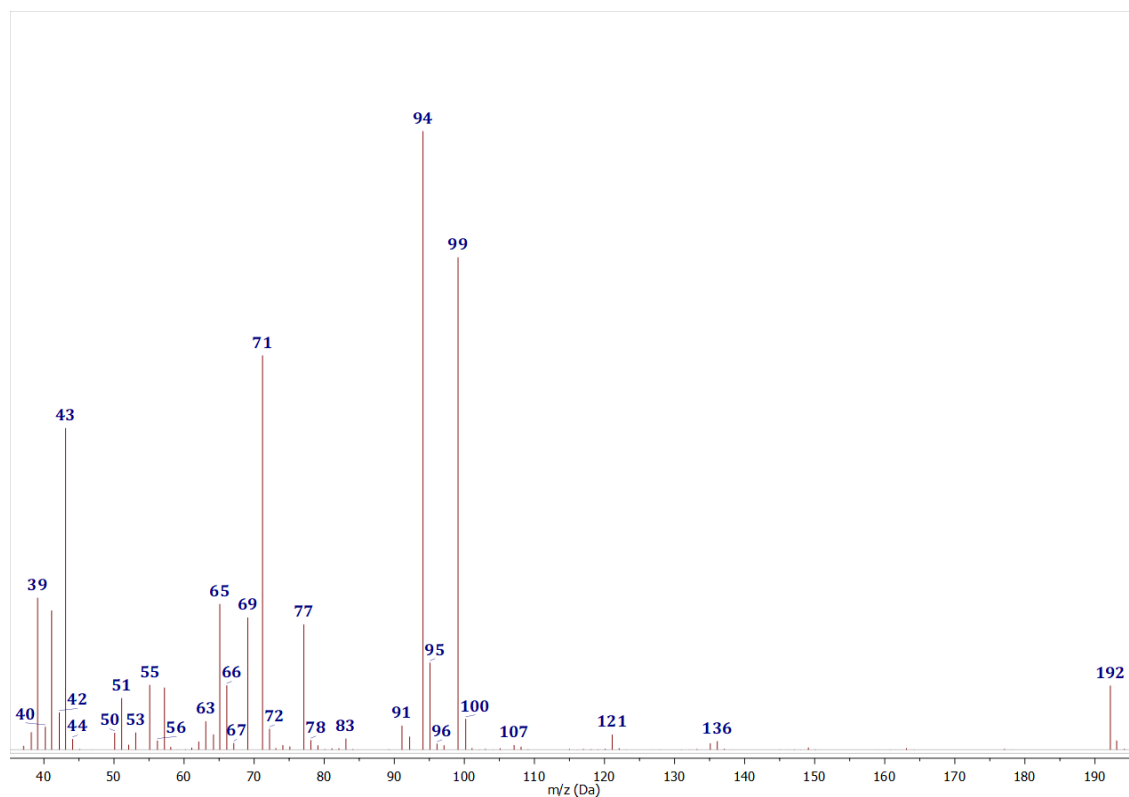


Figure S16. Mass spectrum of phenyl 3-methylpentanoate (**1f**)

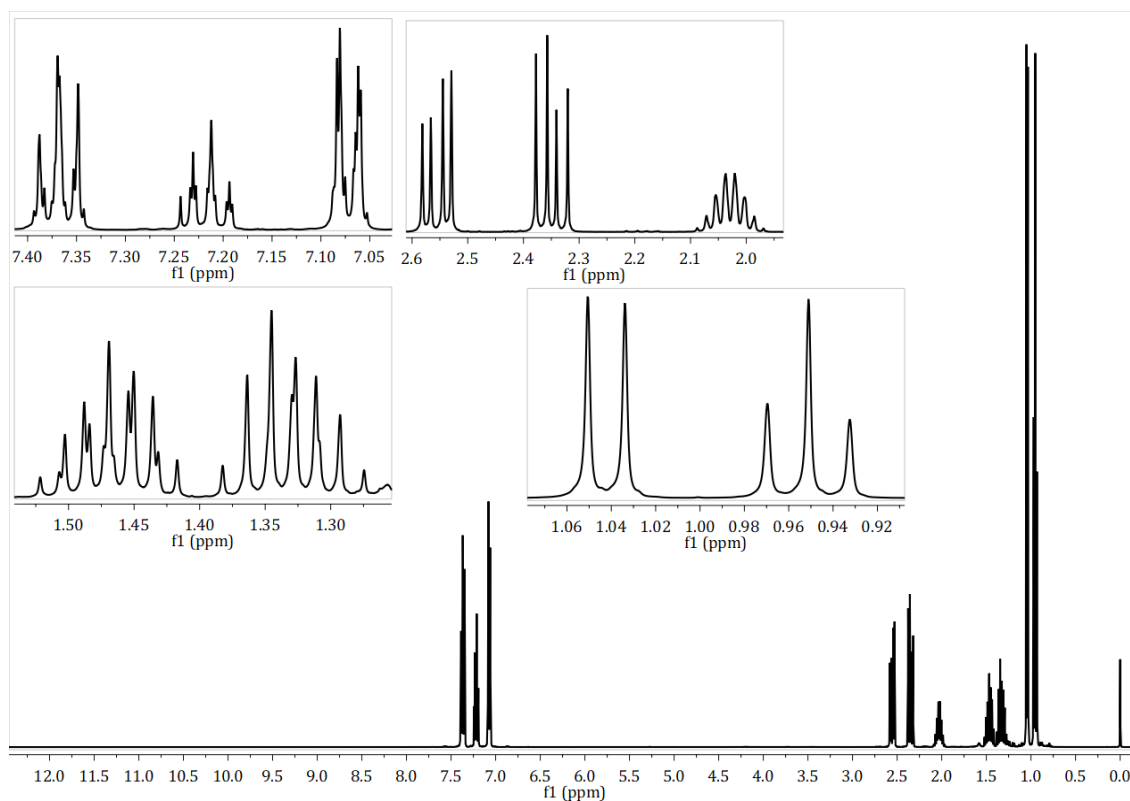


Figure S17. ^1H NMR spectrum of phenyl 3-methylpentanoate (**1f**) recorded in CDCl_3

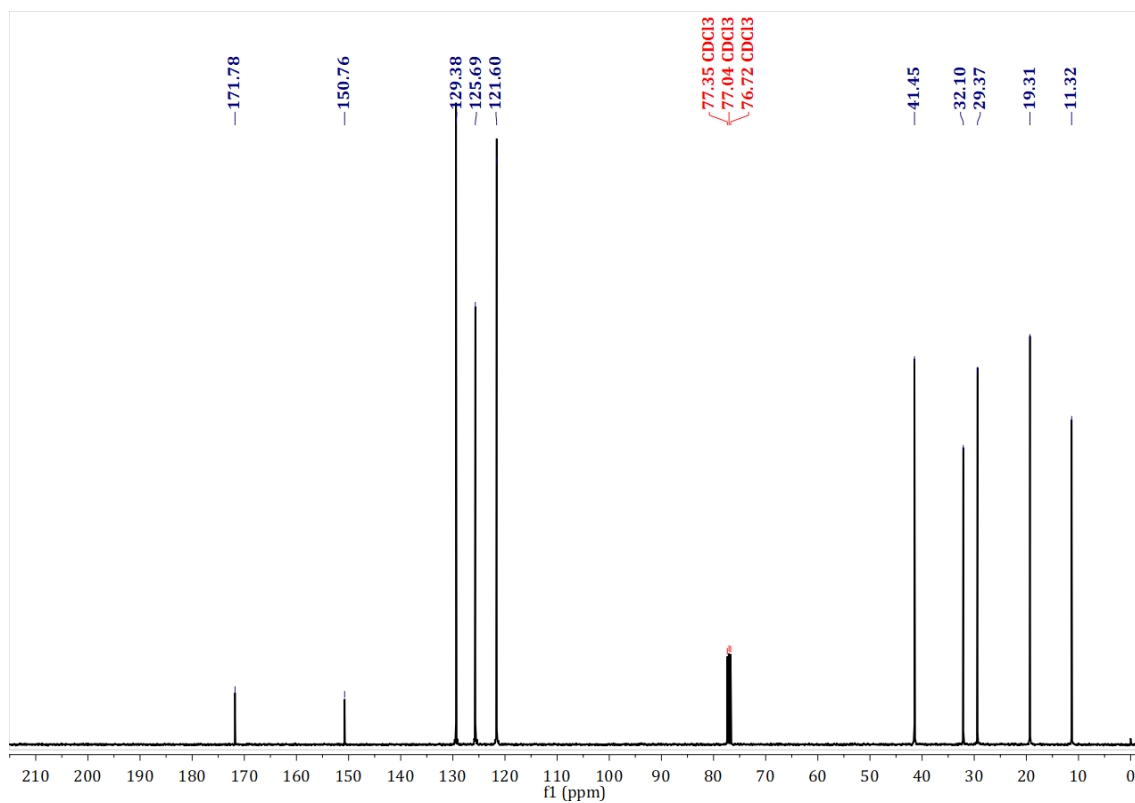


Figure S18. ¹³C NMR spectrum of phenyl 3-methylpentanoate (**1f**) recorded in CDCl₃

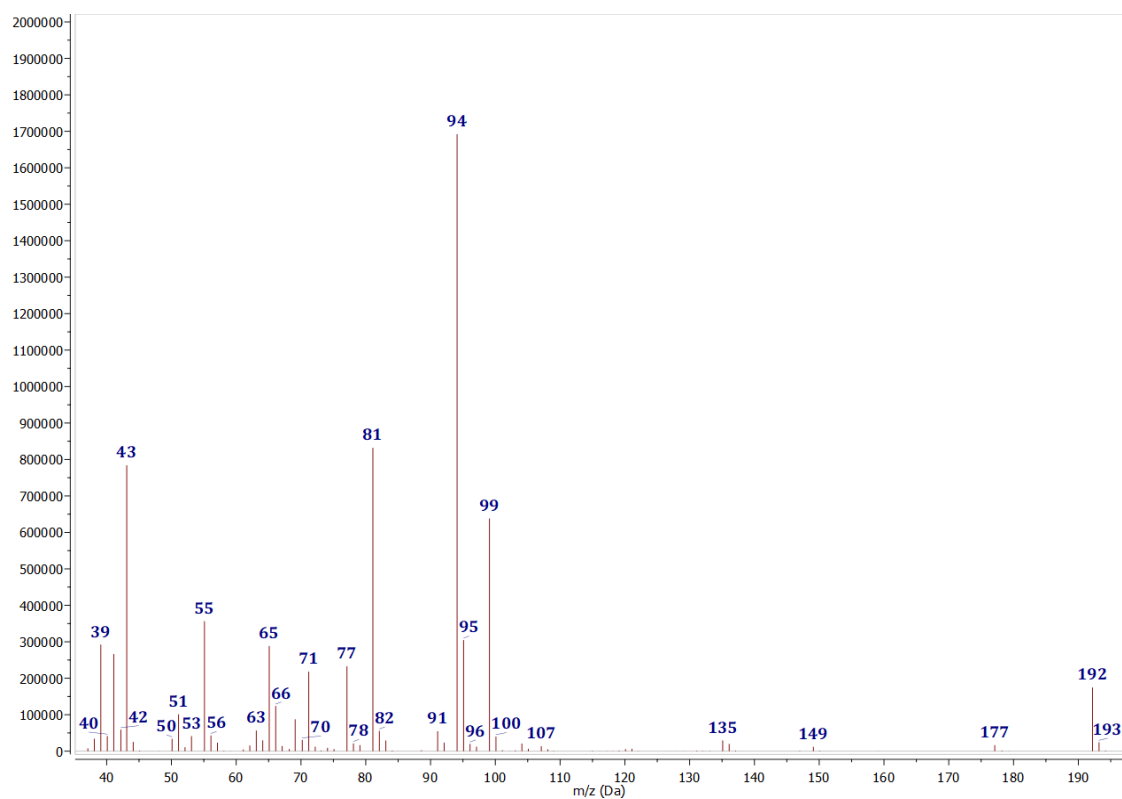


Figure S19. Mass spectrum of phenyl 4-methylpentanoate (**1g**)

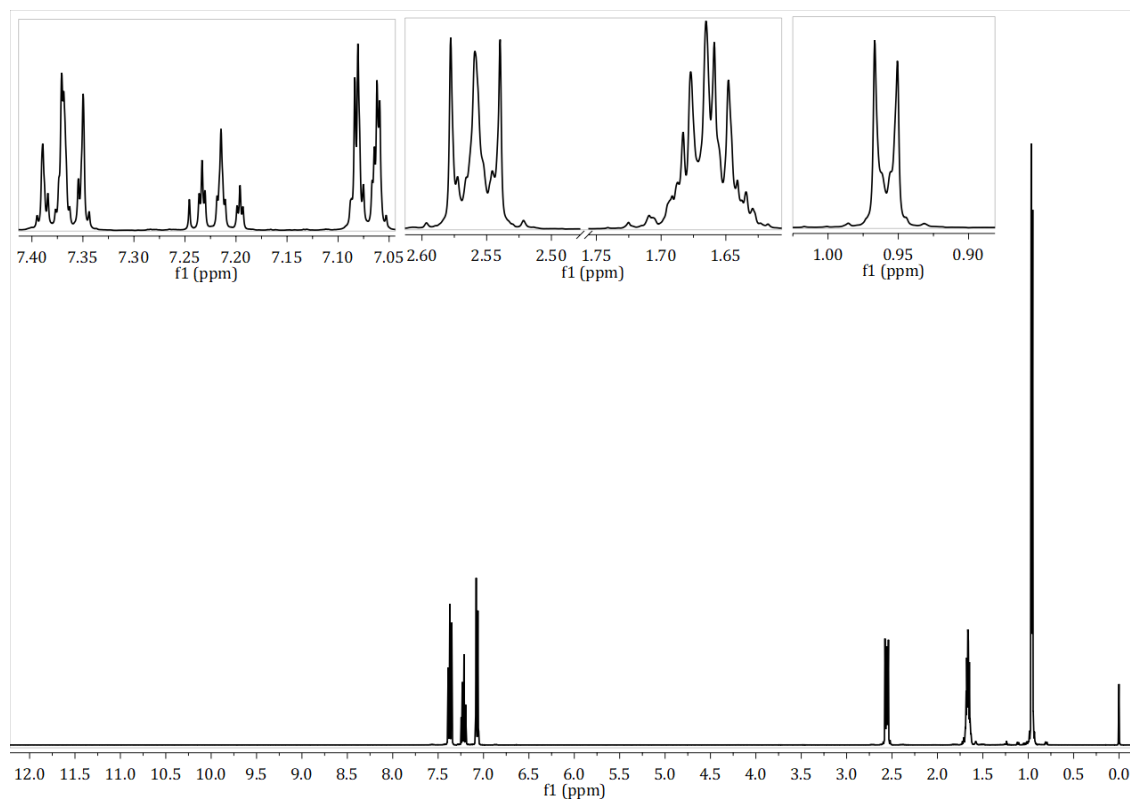


Figure S20. ¹H NMR spectrum of phenyl 4-methylpentanoate (**1g**) recorded in CDCl₃

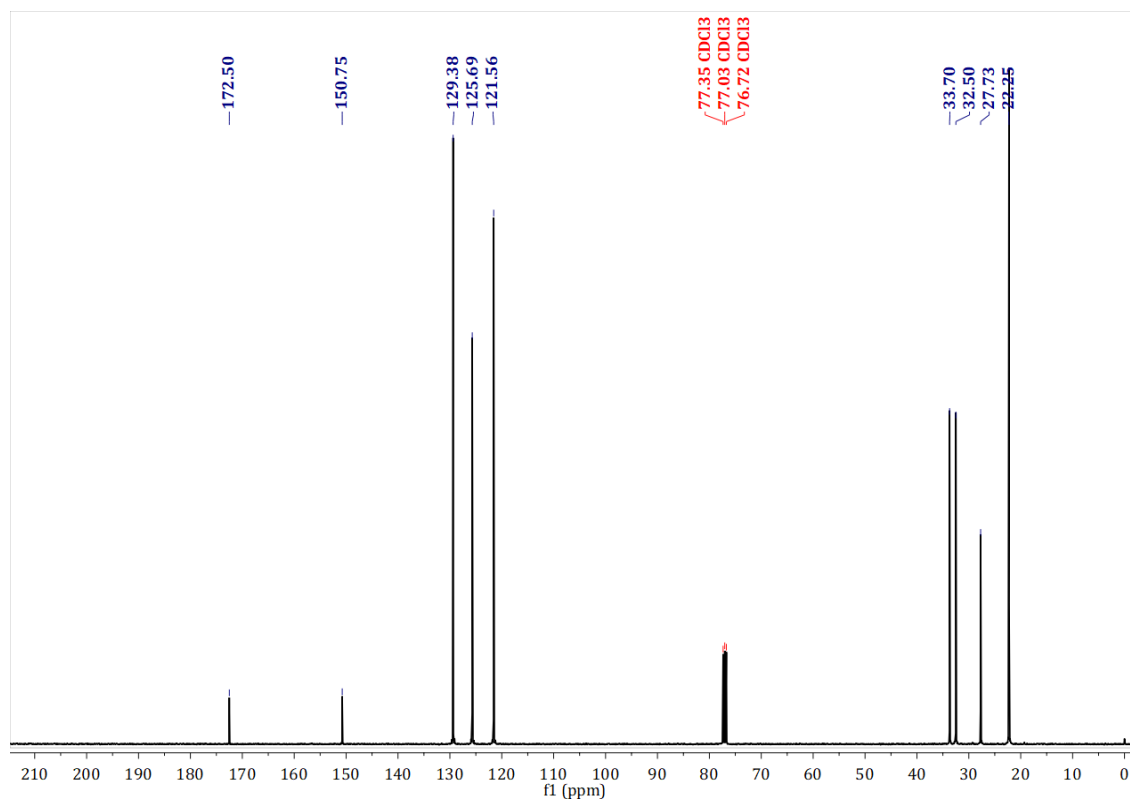


Figure S21. ¹³C NMR spectrum of phenyl 4-methylpentanoate (**1g**) recorded in CDCl₃

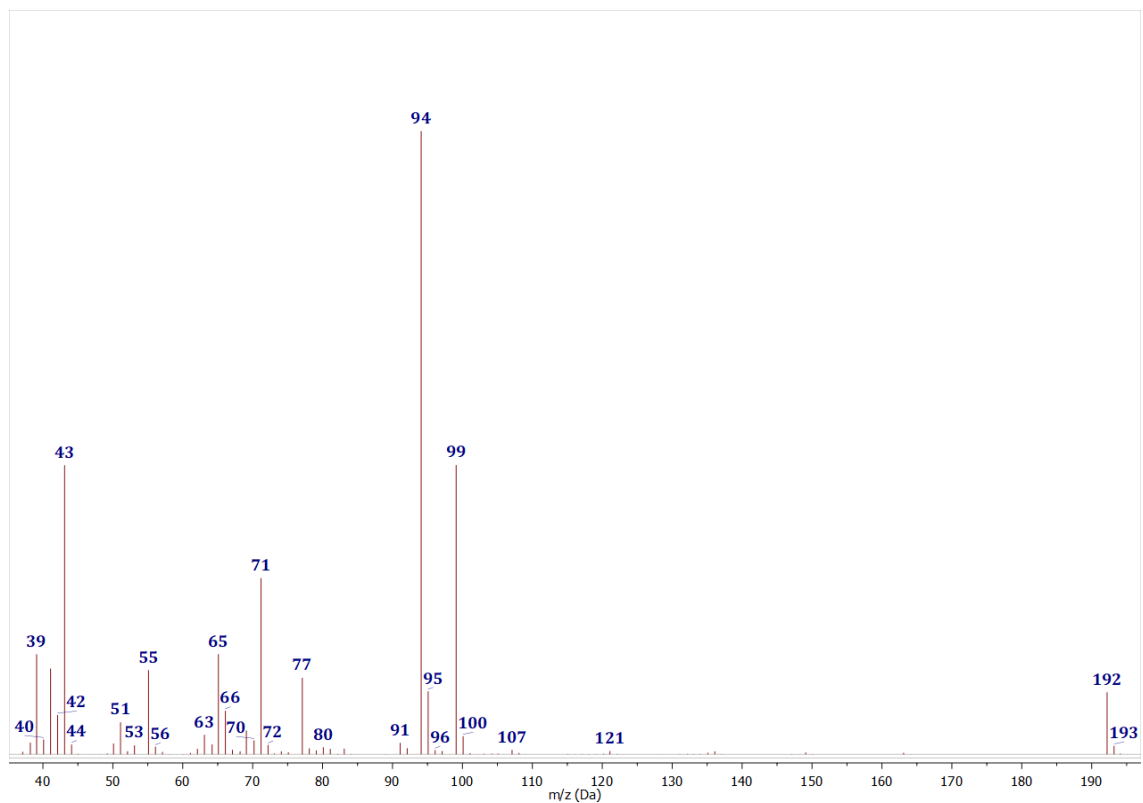


Figure S22. Mass spectrum of phenyl hexanoate (**1h**)

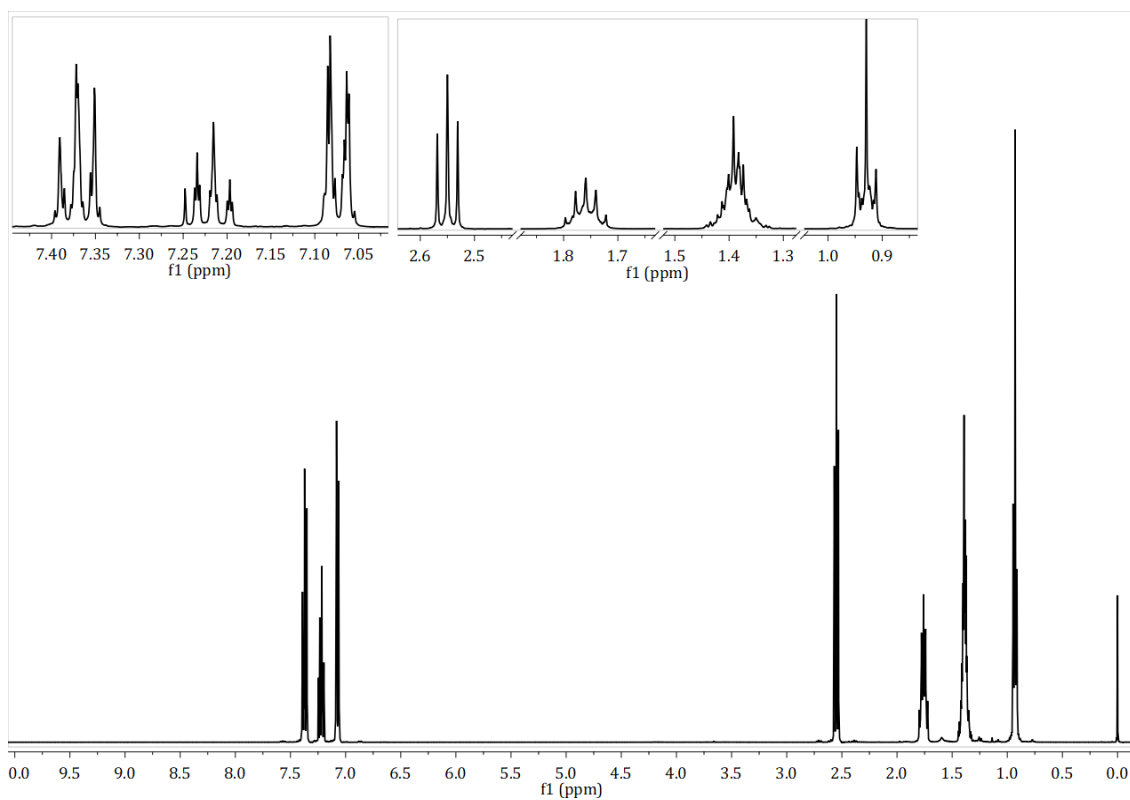


Figure S23. ^1H NMR spectrum of phenyl hexanoate (**1h**) recorded in CDCl_3

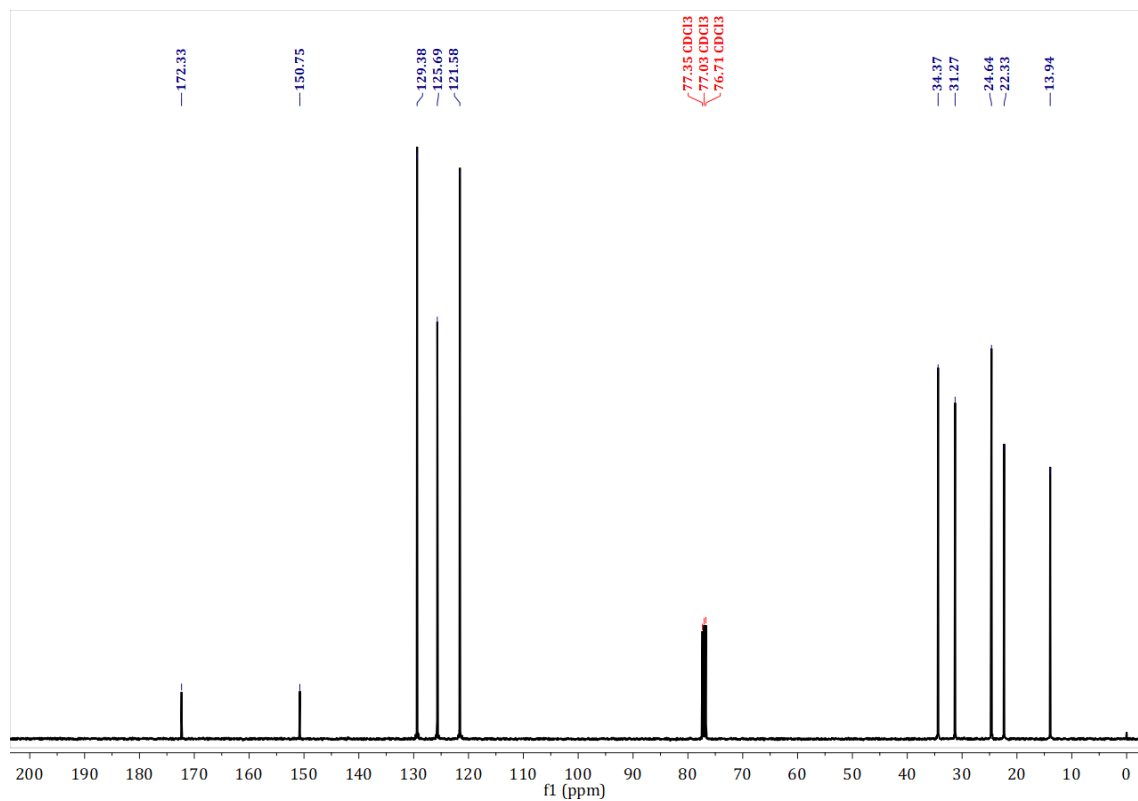


Figure S24. ¹³C NMR spectrum of phenyl hexanoate (**1h**) recorded in CDCl₃

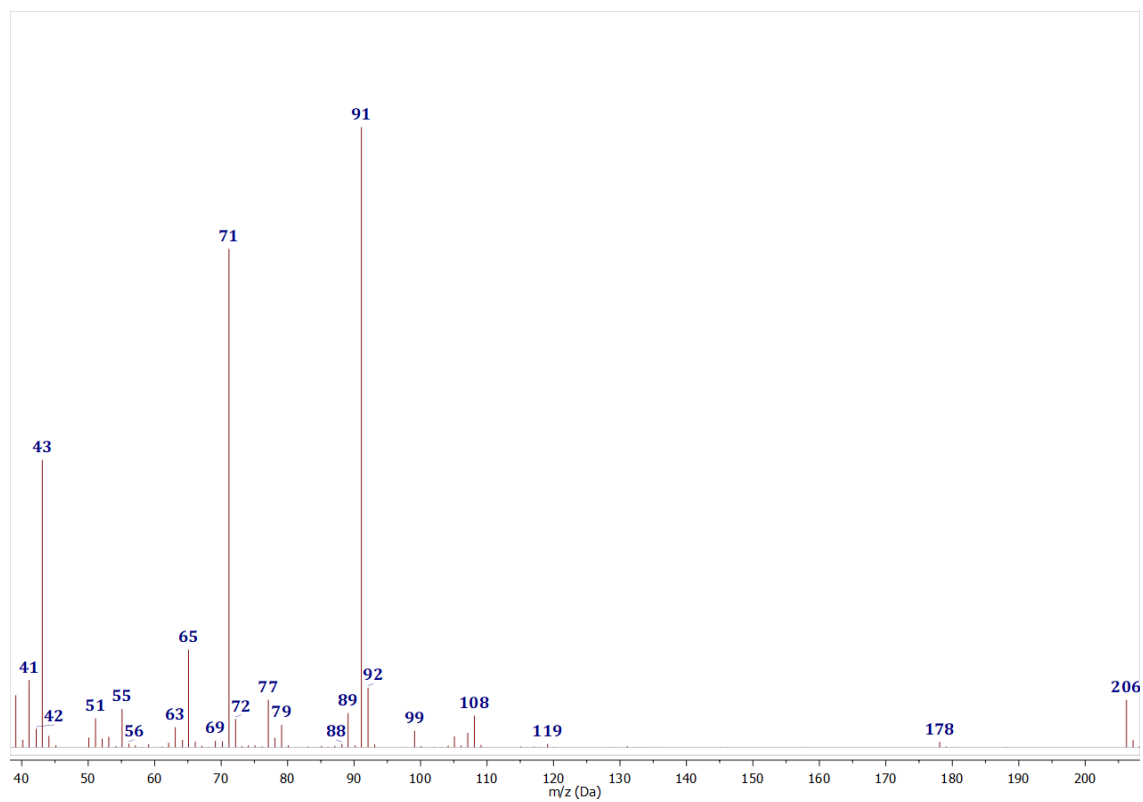


Figure S25. Mass spectrum of benzyl 2-ethylbutanoate (**2a**)

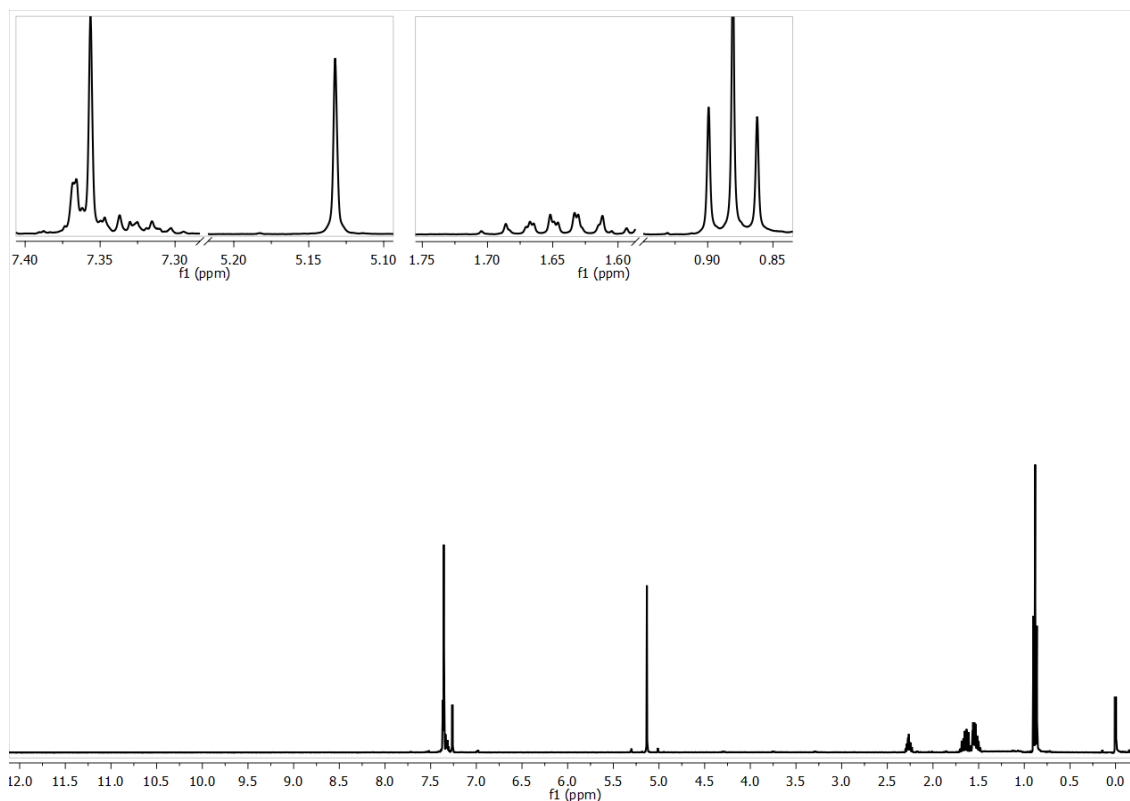


Figure S26. ^1H NMR spectrum of benzyl 2-ethylbutanoate (**2a**) recorded in CDCl_3

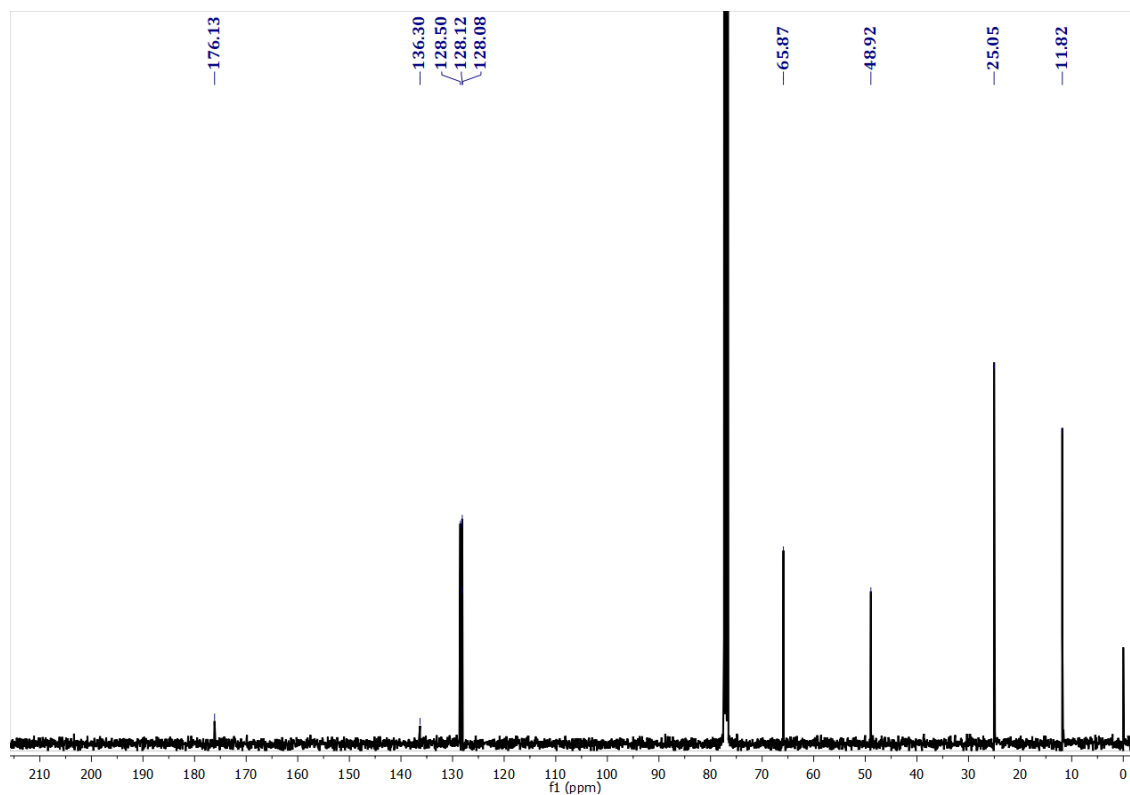


Figure S27. ^{13}C NMR spectrum of benzyl 2-ethylbutanoate (**2a**) recorded in CDCl_3

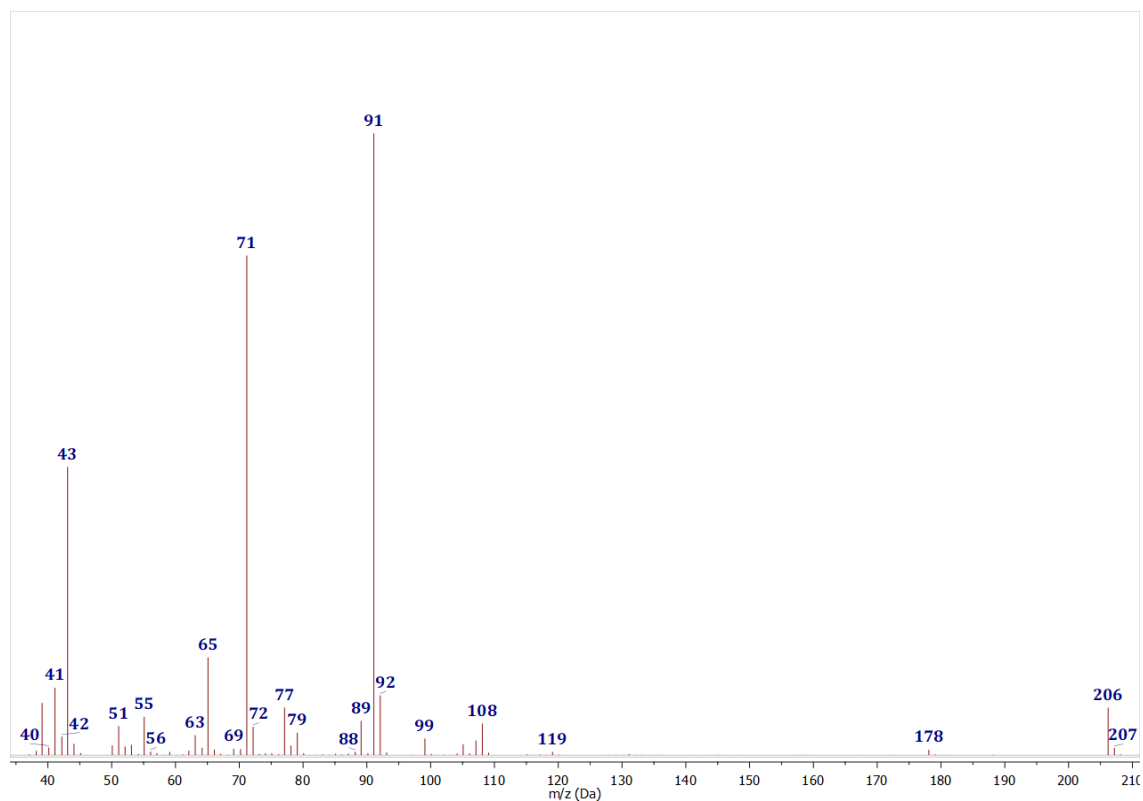


Figure S28. Mass spectrum of benzyl 2,2-dimethylbutanoate (**2b**)

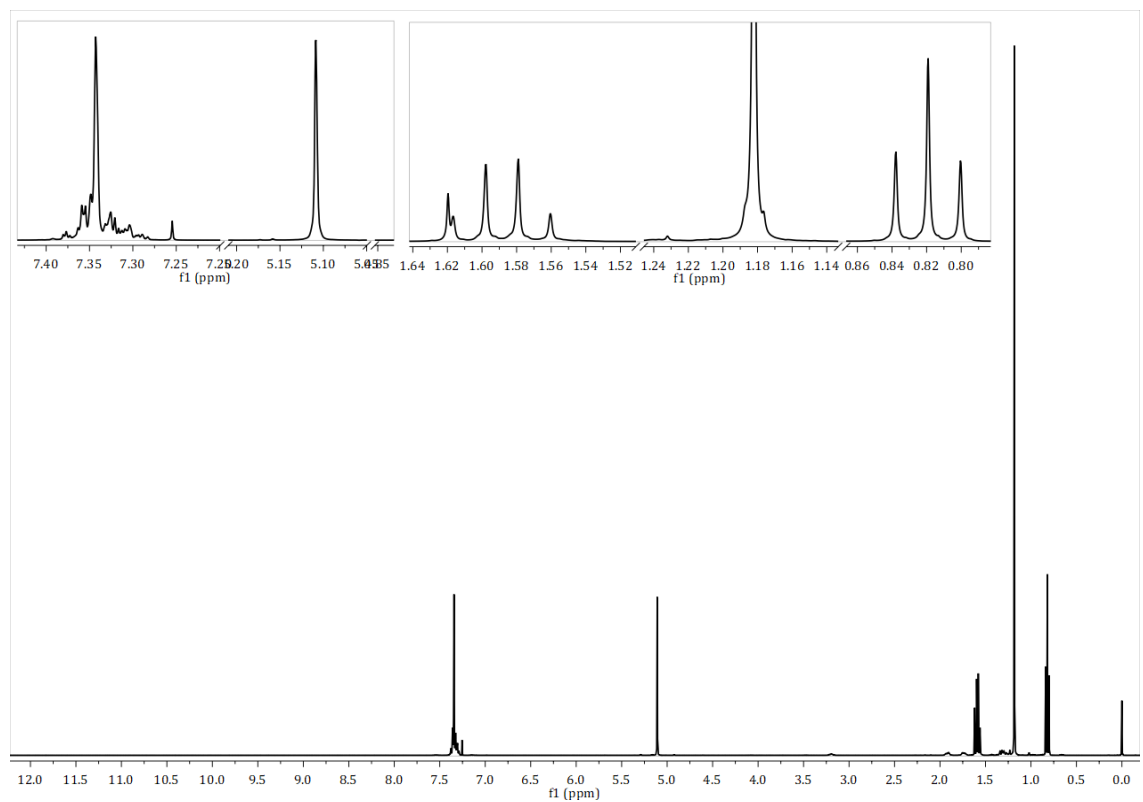


Figure S29. ^1H NMR spectrum of benzyl 2,2-dimethylbutanoate (**2b**) recorded in CDCl_3

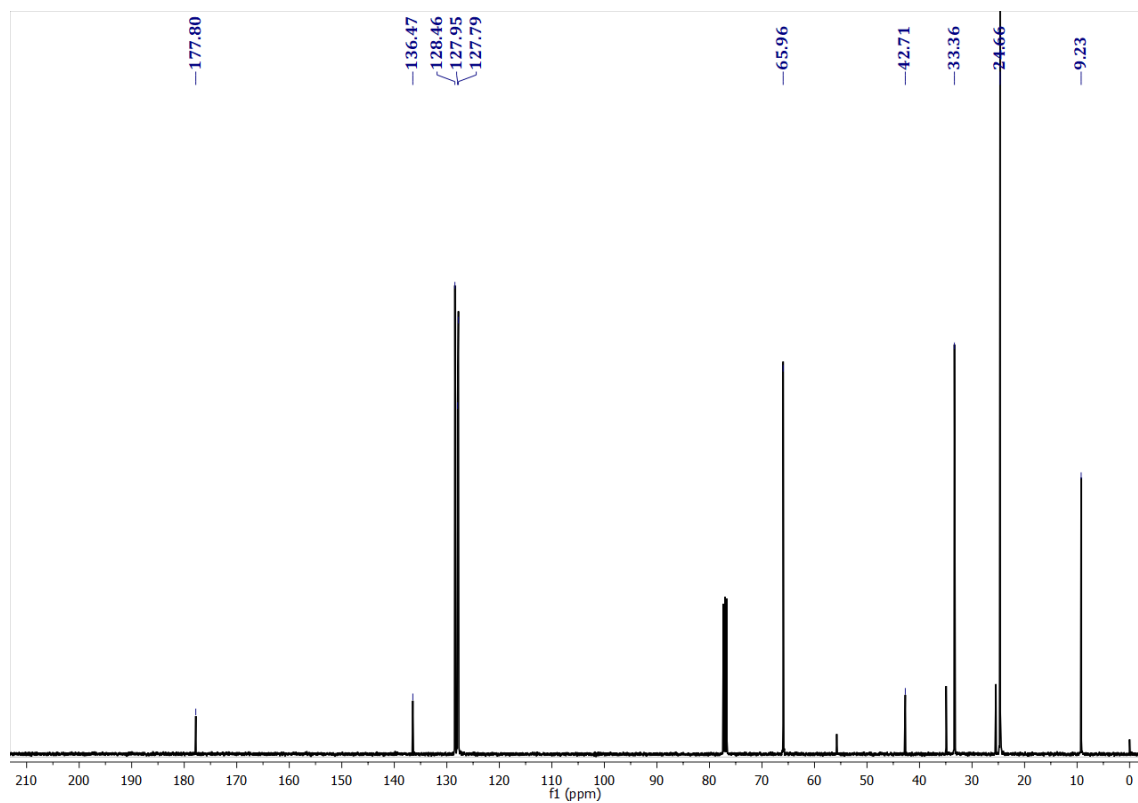


Figure S30. ¹³C NMR spectrum of benzyl 2,2-dimethylbutanoate (**2b**) recorded in CDCl₃

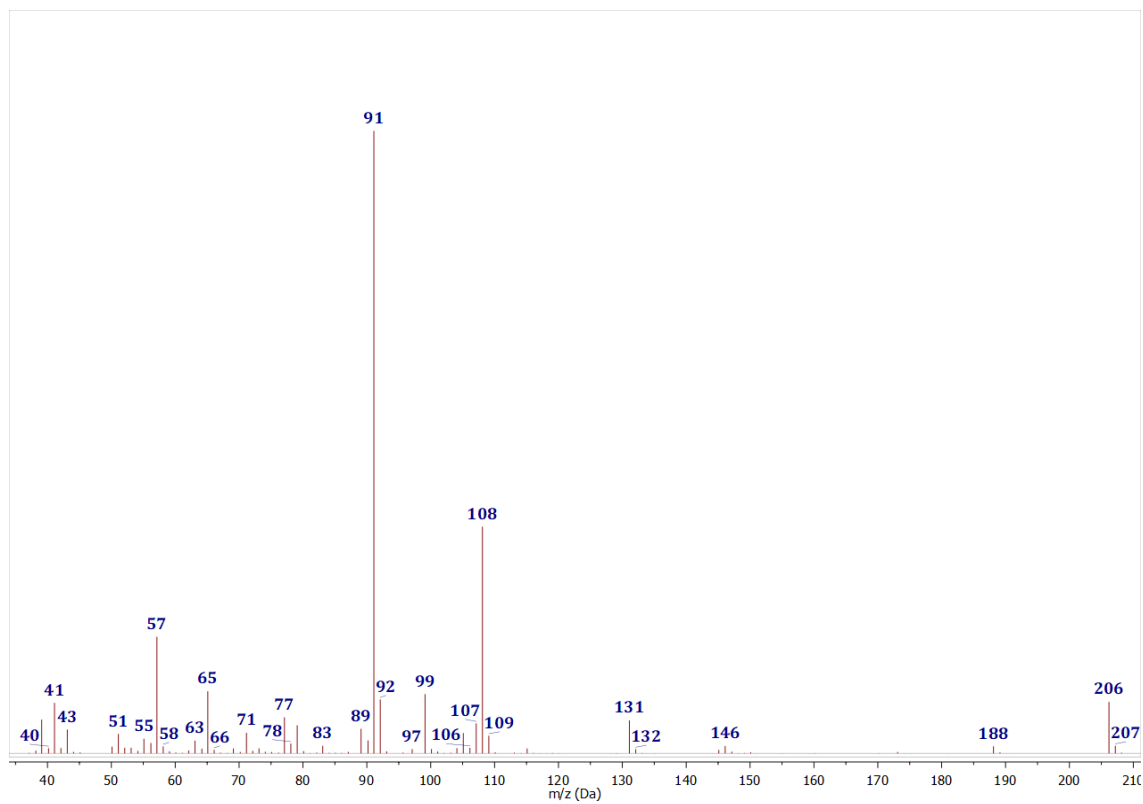


Figure S31. Mass spectrum of benzyl 3,3-dimethylbutanoate (**2c**)

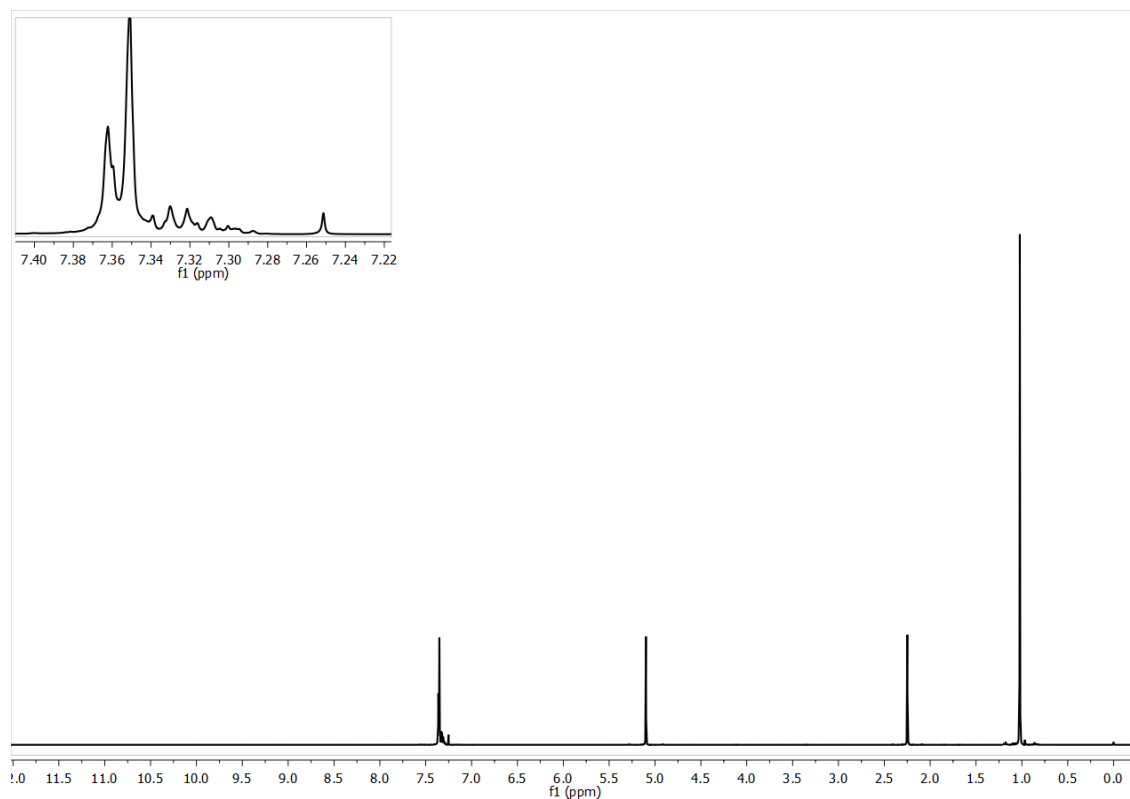


Figure S32. ¹H NMR spectrum of benzyl 3,3-dimethylbutanoate (**2c**) recorded in CDCl₃

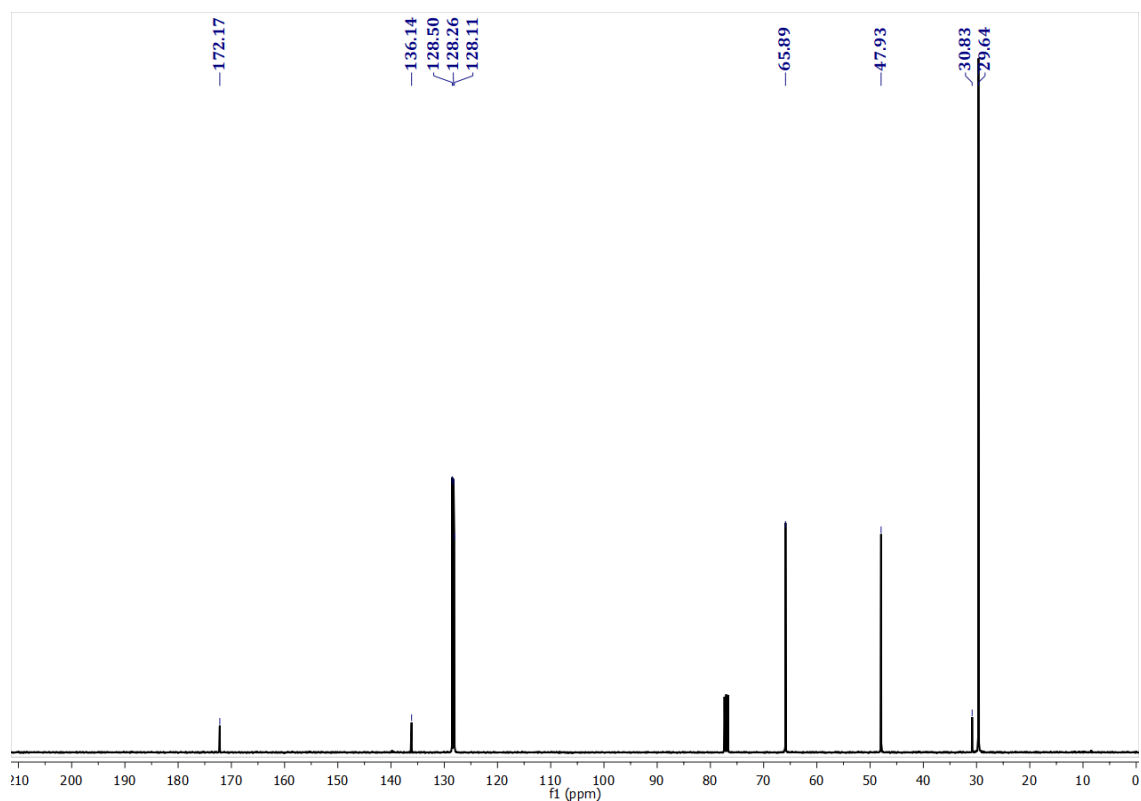


Figure S33. ¹³C NMR spectrum of benzyl 3,3-dimethylbutanoate (**2c**) recorded in CDCl₃

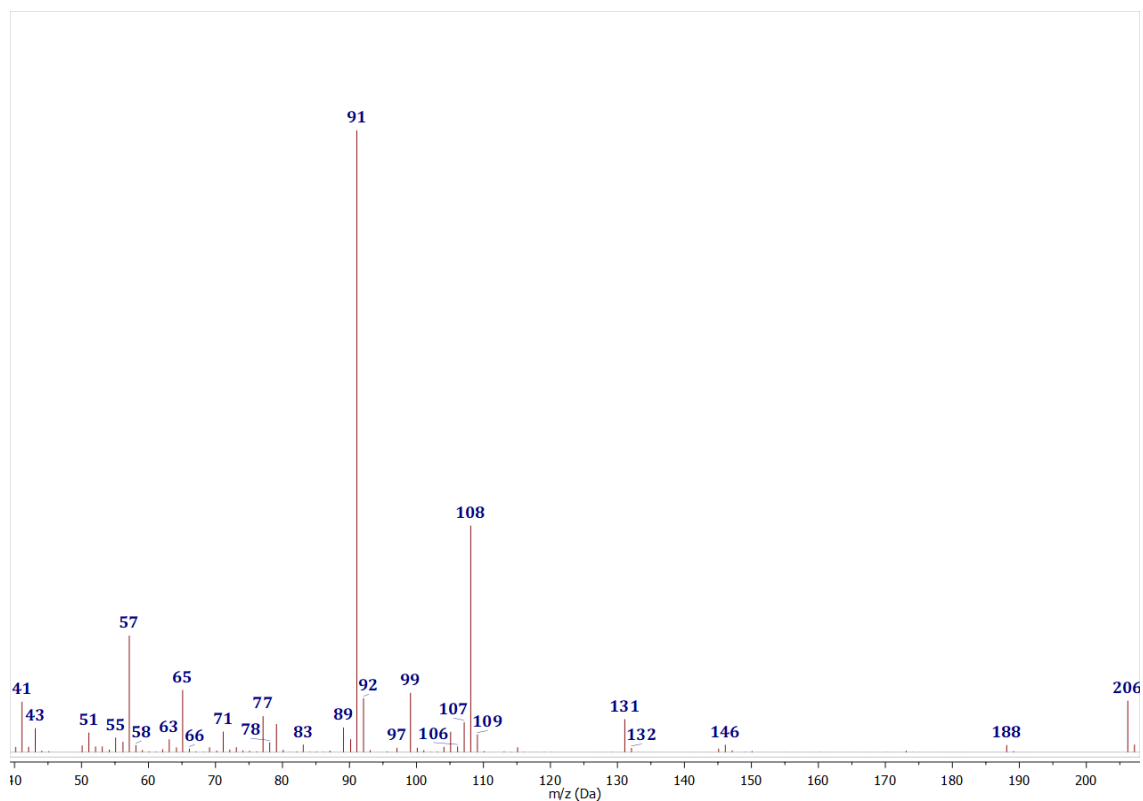


Figure S34. Mass spectrum of benzyl 2,3-dimethylbutanoate (**2d**)

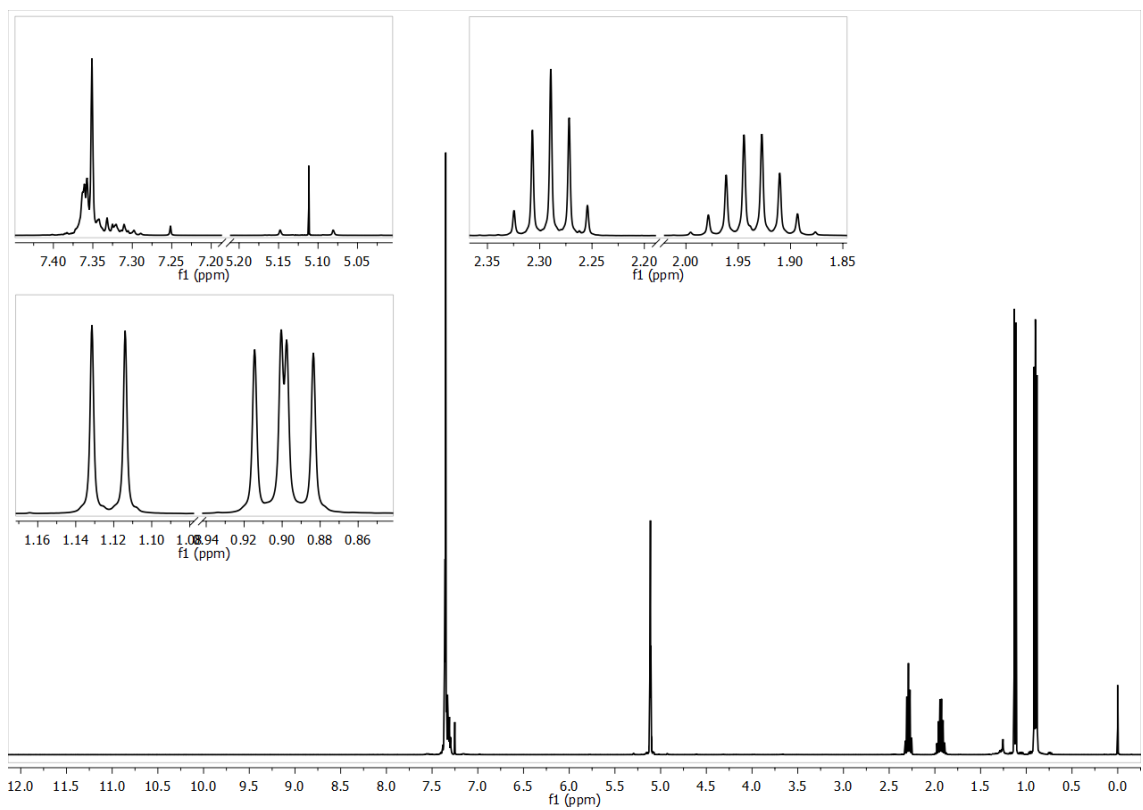


Figure S35. ^1H NMR spectrum of benzyl 2,3-dimethylbutanoate (**2d**) recorded in CDCl_3

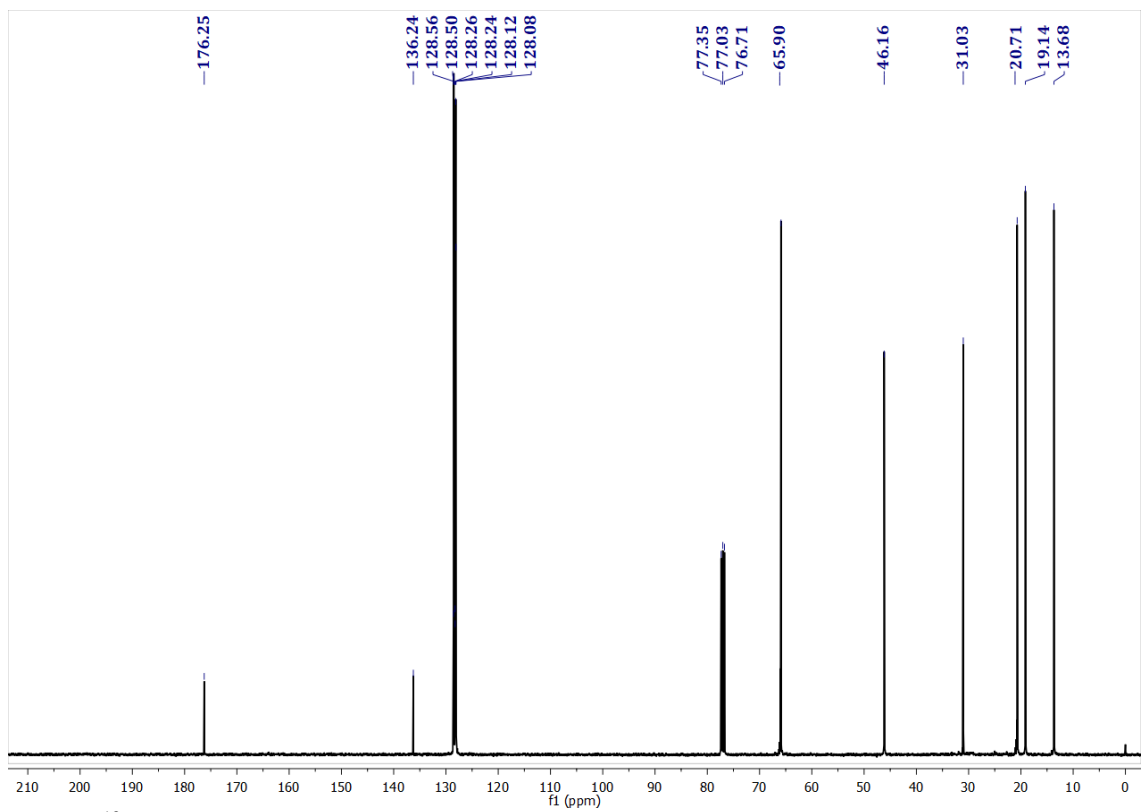


Figure S36. ^{13}C NMR spectrum of benzyl 2,3-dimethylbutanoate (**2d**) recorded in CDCl_3

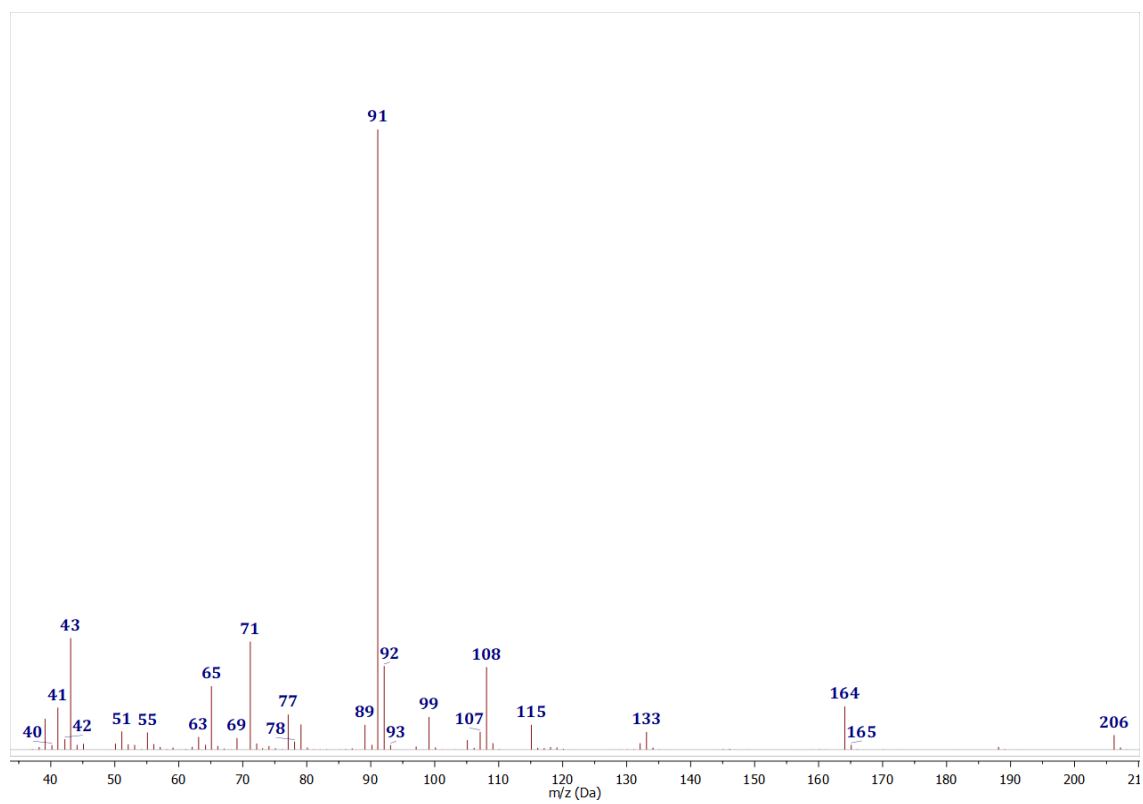


Figure S37. Mass spectrum of benzyl 2-methylpentanoate (**2e**)

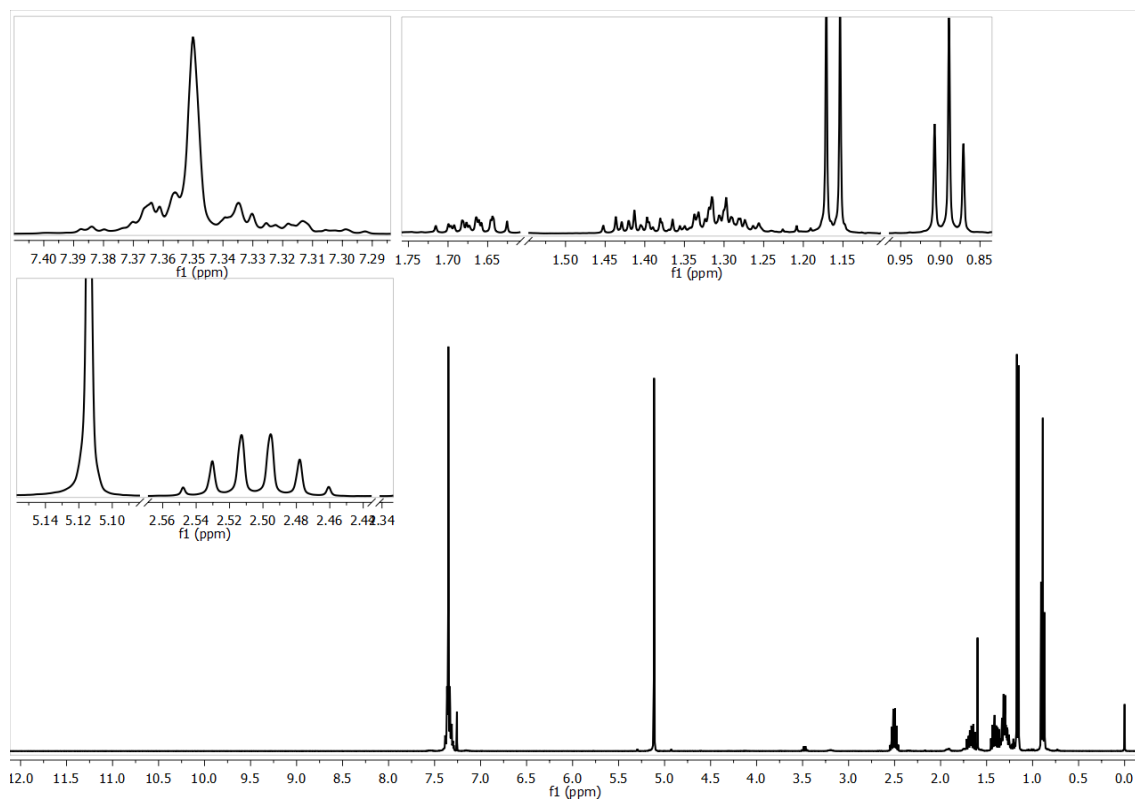


Figure S38. ^1H NMR spectrum of benzyl 2-methylpentanoate (**2e**) recorded in CDCl_3

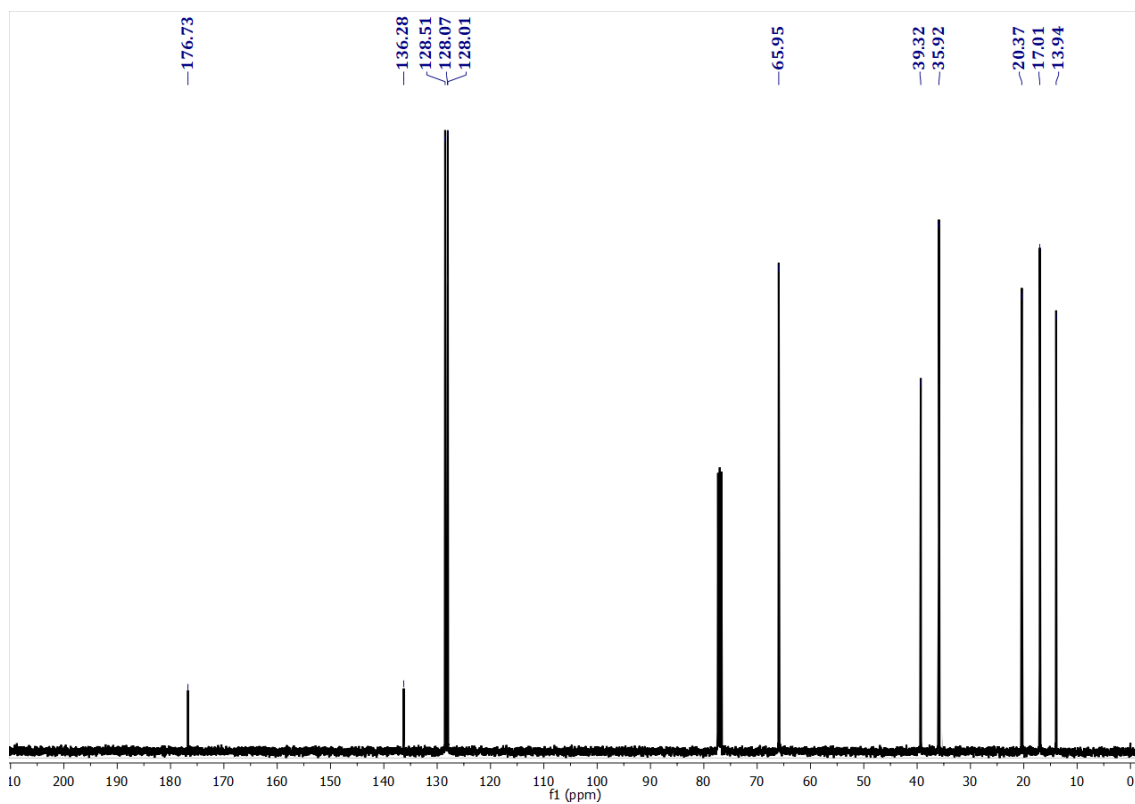


Figure S39. ^{13}C NMR spectrum of benzyl 2-methylpentanoate (**2e**) recorded in CDCl_3

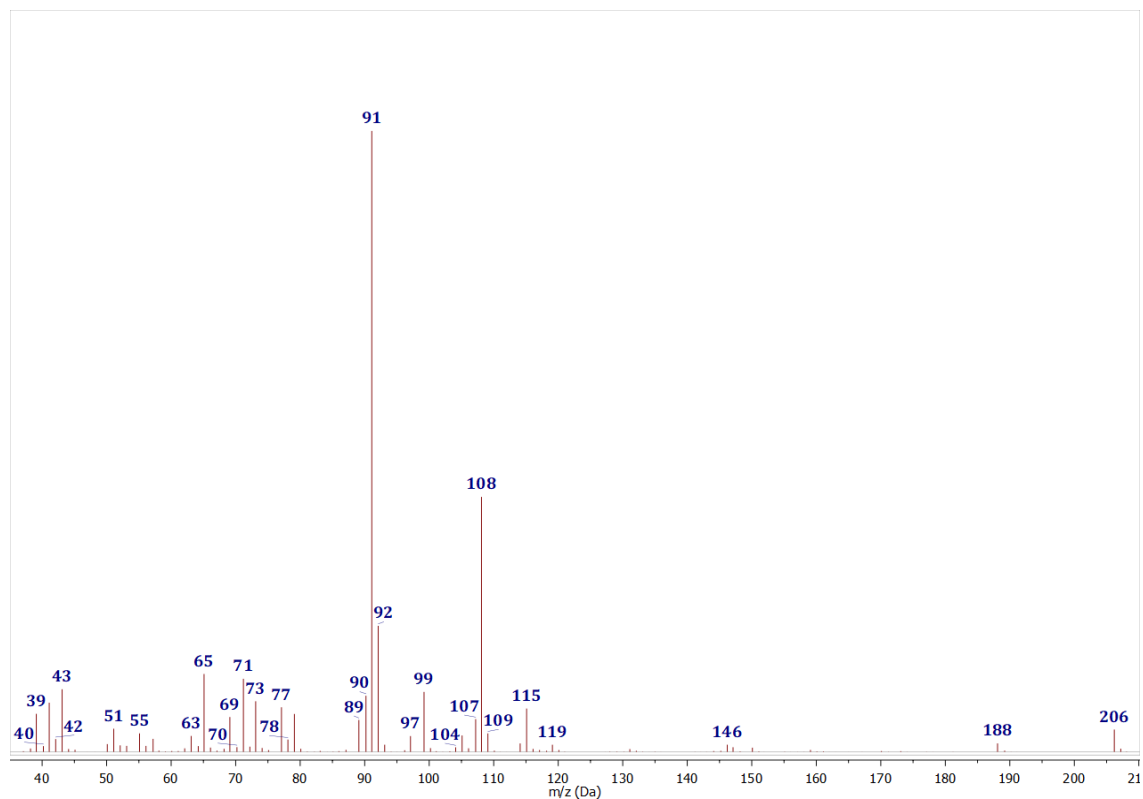


Figure S40. Mass spectrum of benzyl 3-methylpentanoate (**2f**)

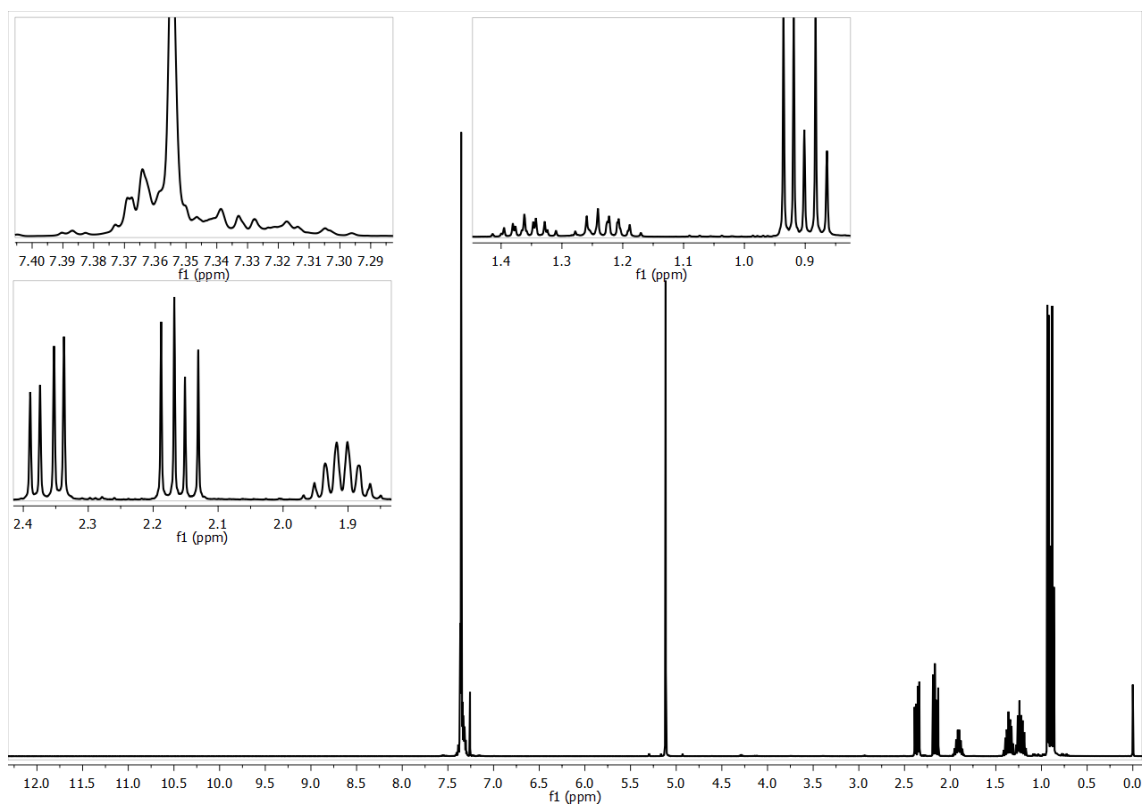


Figure S41. ^1H NMR spectrum of benzyl 3-methylpentanoate (**2f**) recorded in CDCl_3

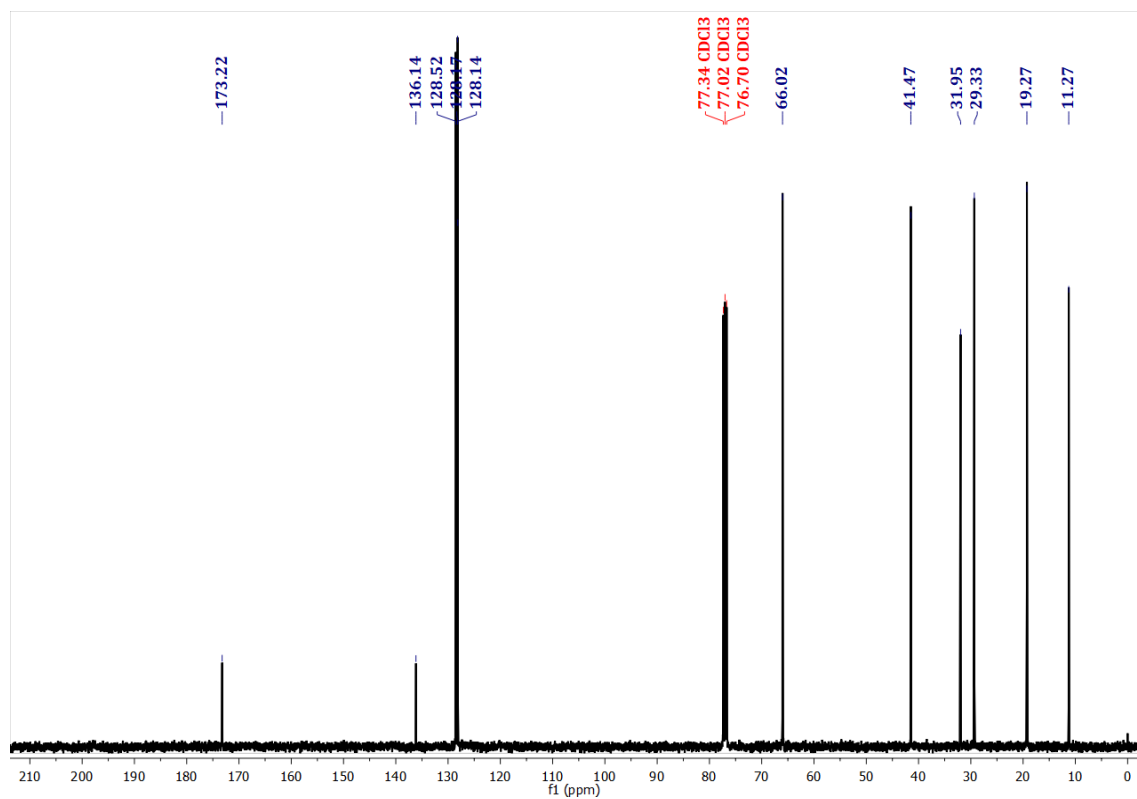


Figure S42. ¹³C NMR spectrum of benzyl 3-methylpentanoate (**2f**) recorded in CDCl₃

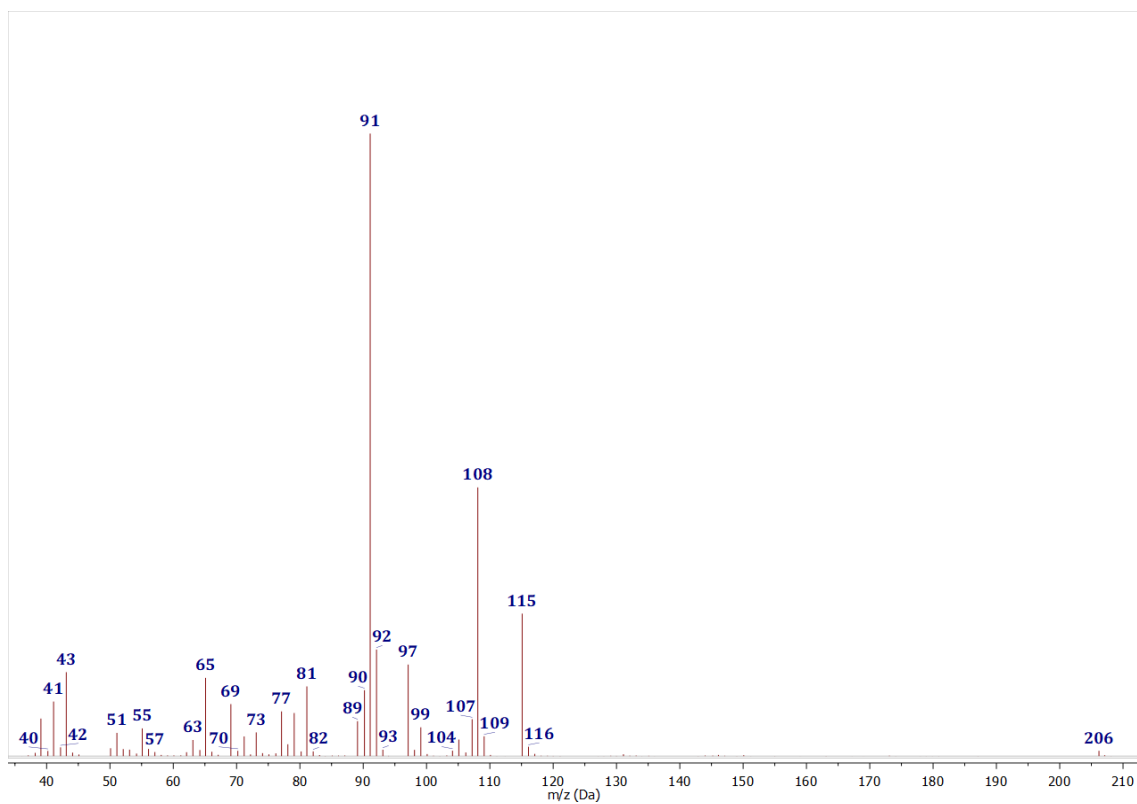


Figure S43. Mass spectrum of benzyl 4-methylpentanoate (**2g**)

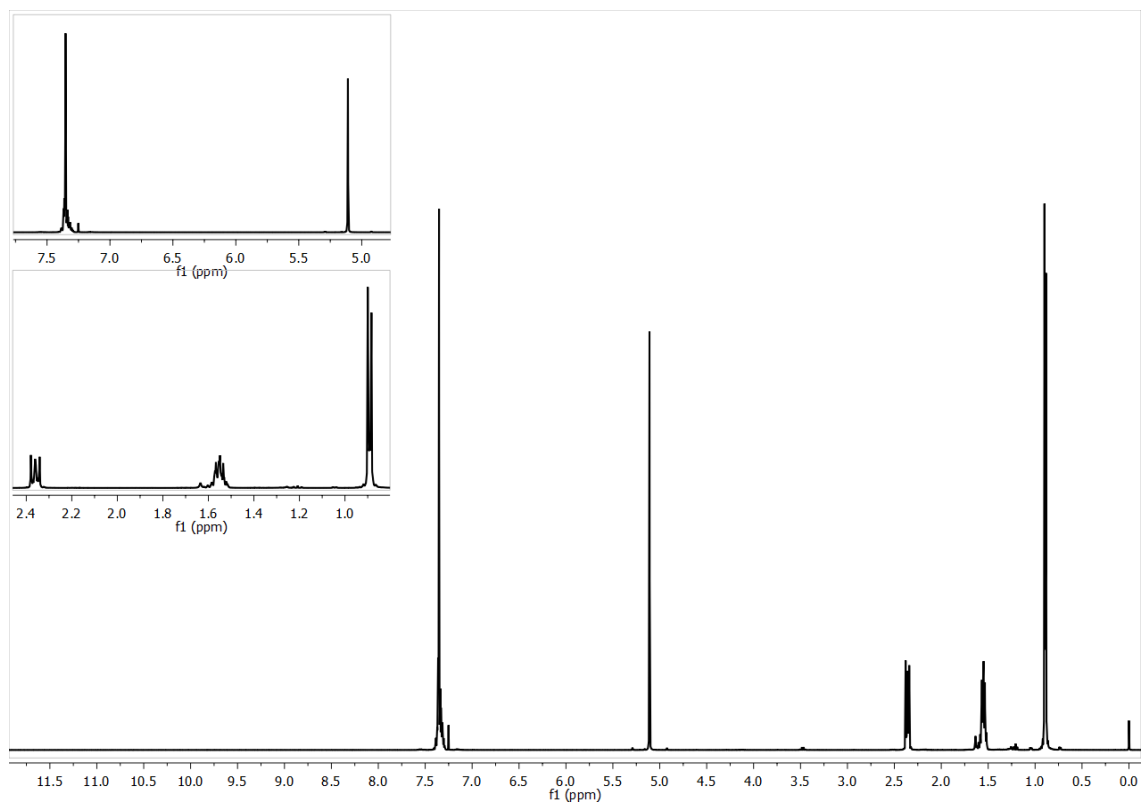


Figure S44. ^1H NMR spectrum of benzyl 4-methylpentanoate (**2g**) recorded in CDCl_3

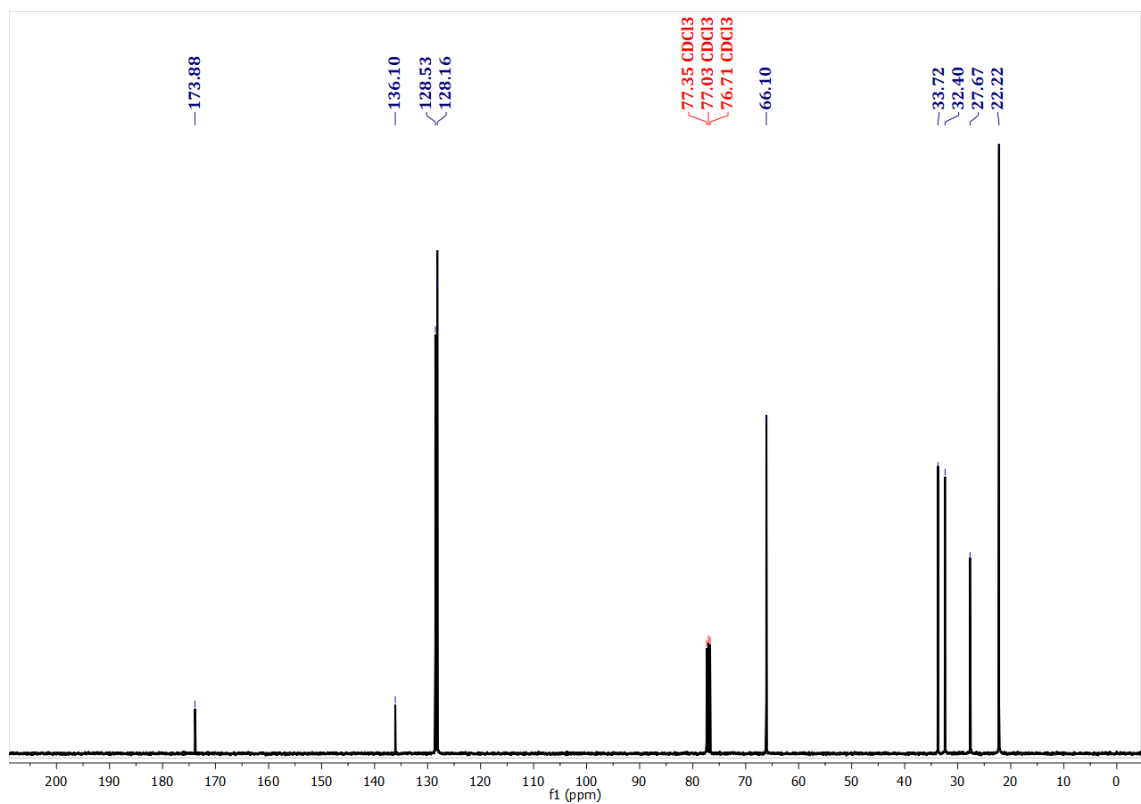


Figure S45. ^{13}C NMR spectrum of benzyl 4-methylpentanoate (**2g**) recorded in CDCl_3

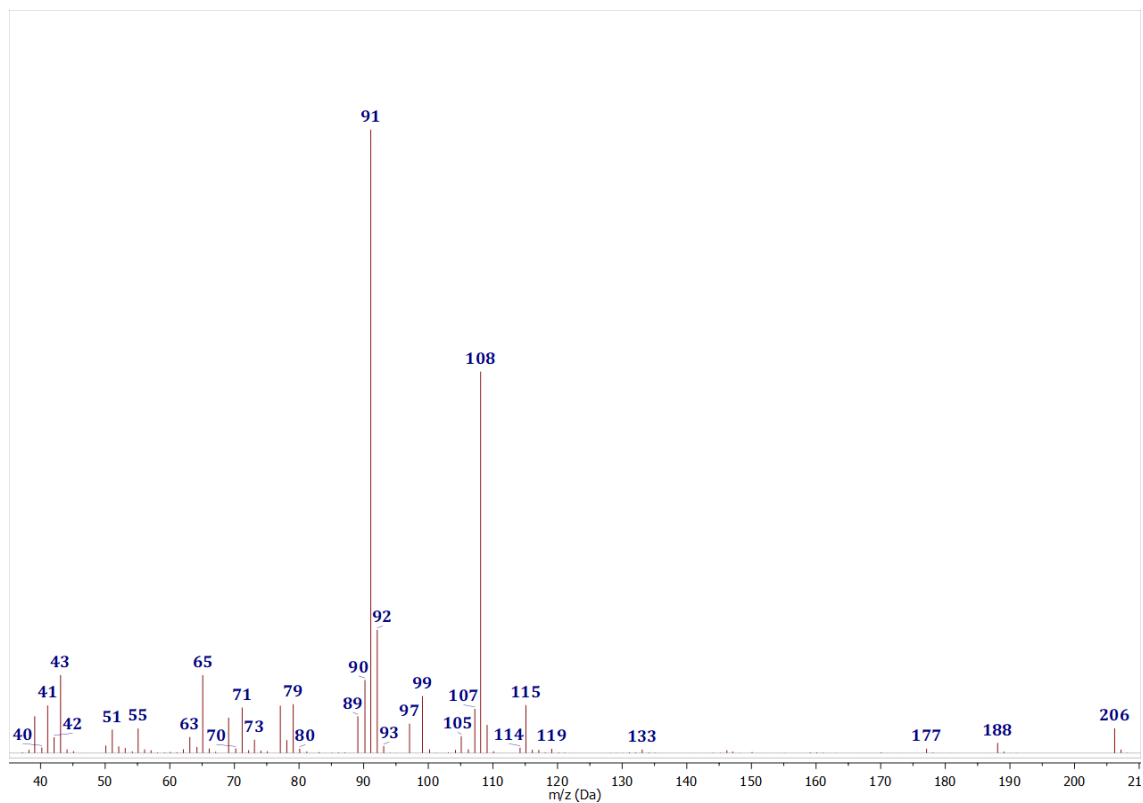


Figure S46. Mass spectrum of benzyl hexanoate (**2h**)

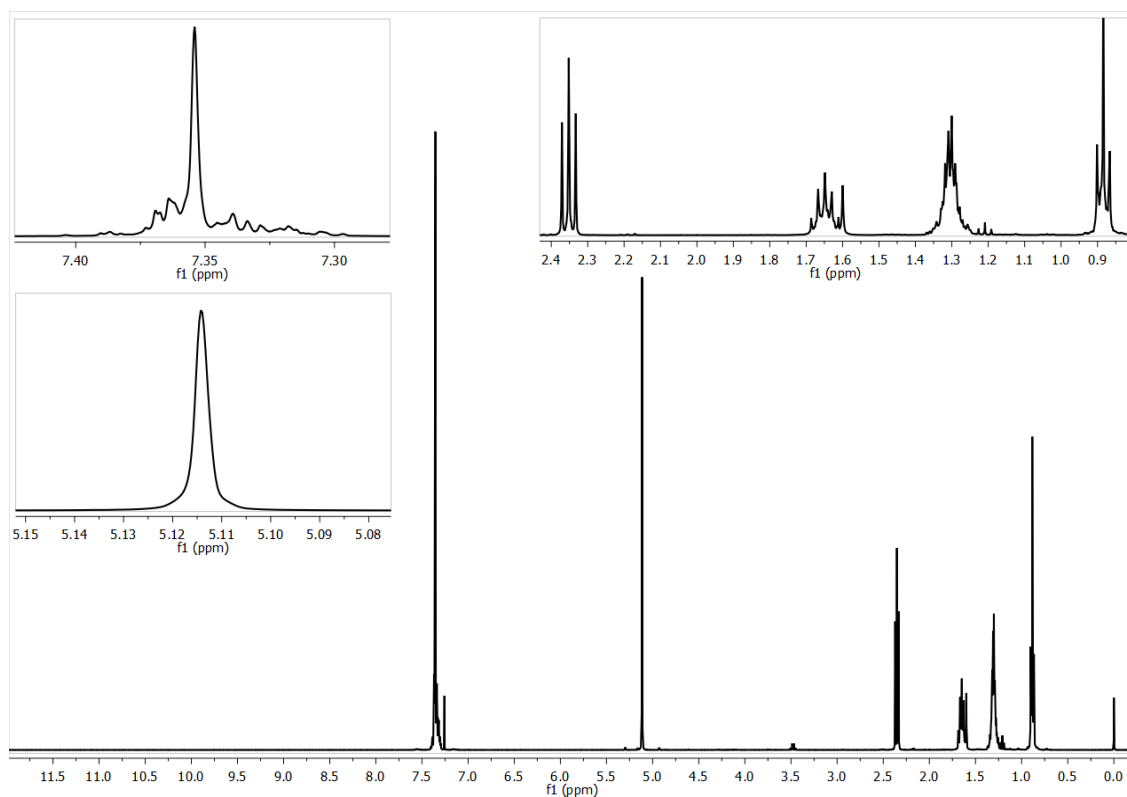


Figure S47. ^1H NMR spectrum of benzyl hexanoate (**2h**) recorded in CDCl_3

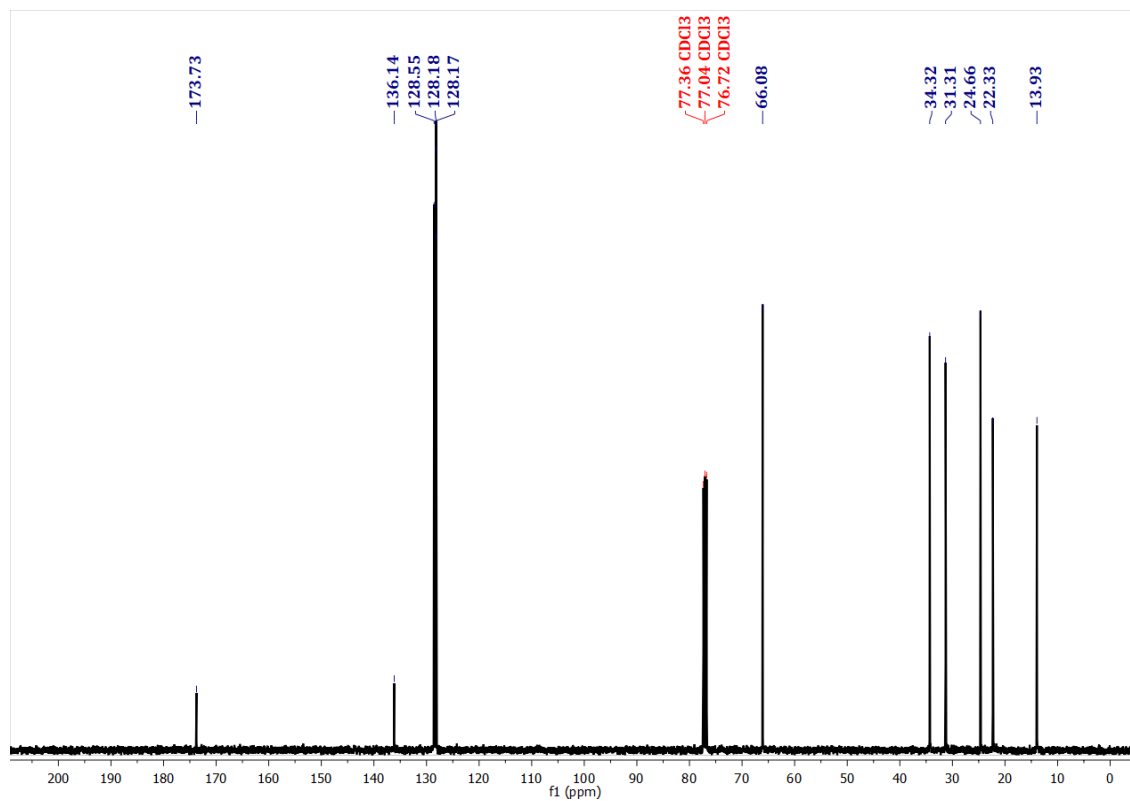


Figure S48. ¹³C NMR spectrum of benzyl hexanoate (**2h**) recorded in CDCl₃

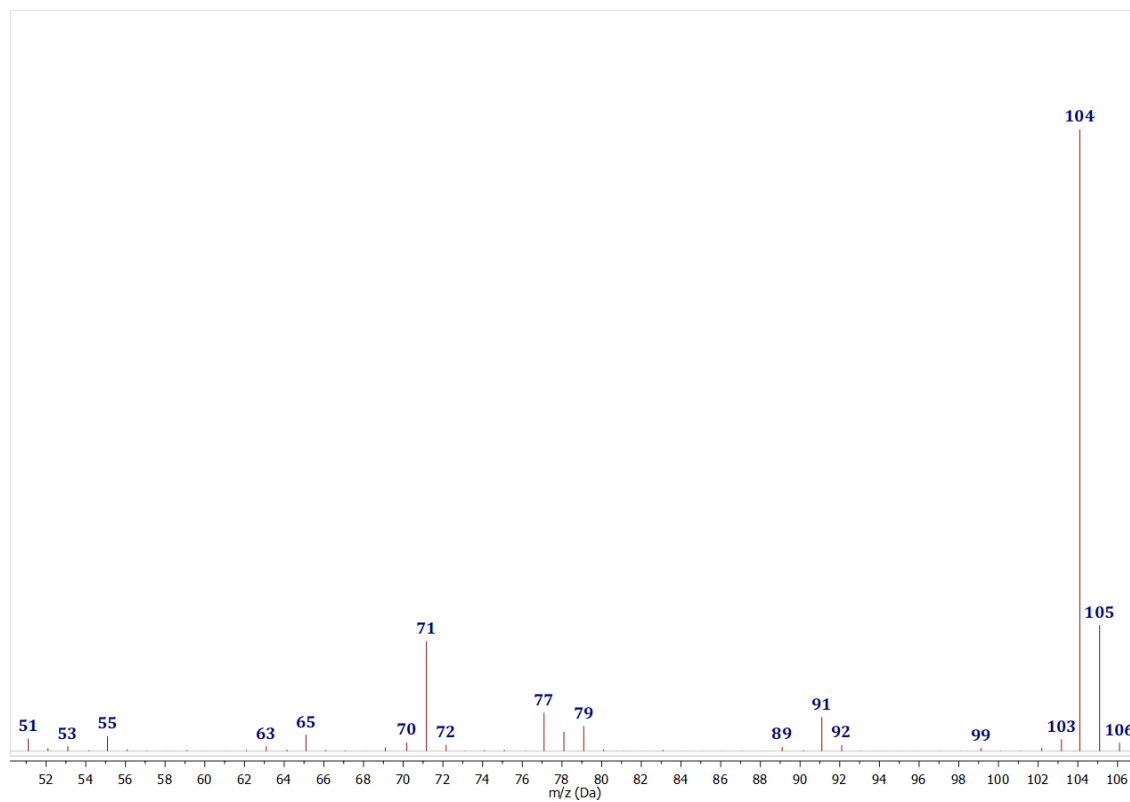


Figure S49. Mass spectrum of phenethyl 2-ethylbutanoate (**3a**)

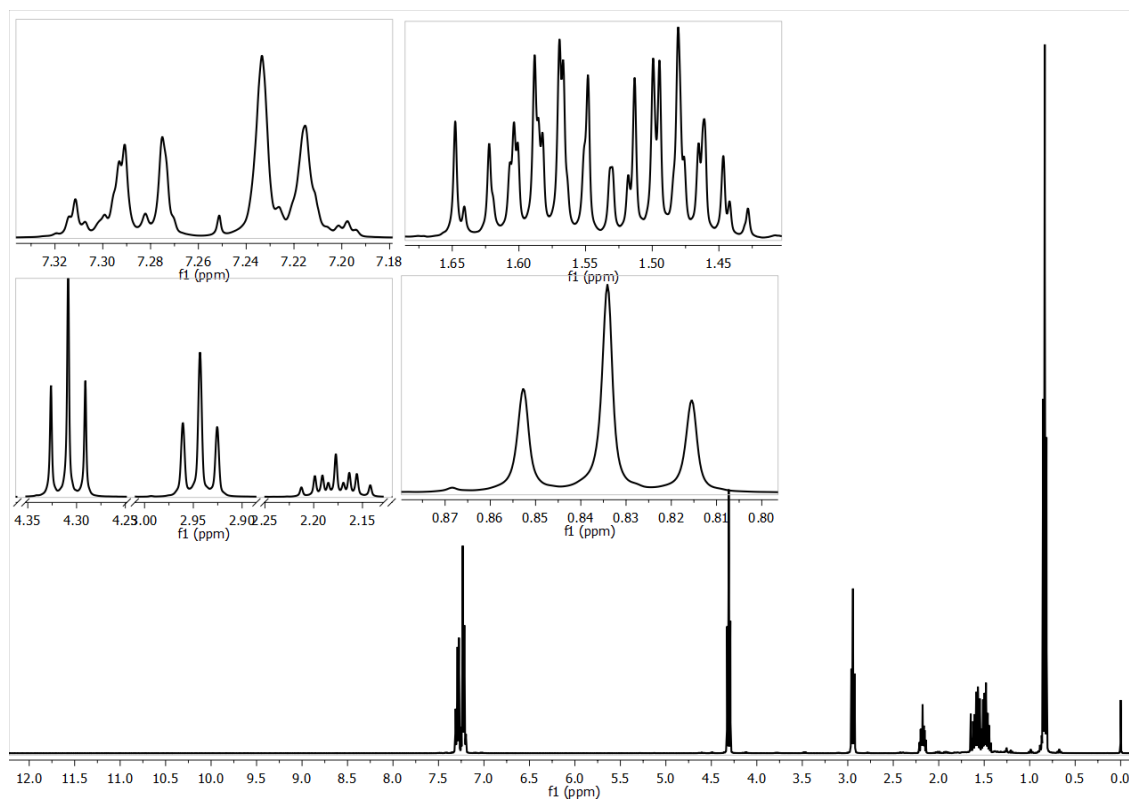


Figure S50. ^1H NMR spectrum of phenethyl 2-ethylbutanoate (**3a**) recorded in CDCl_3

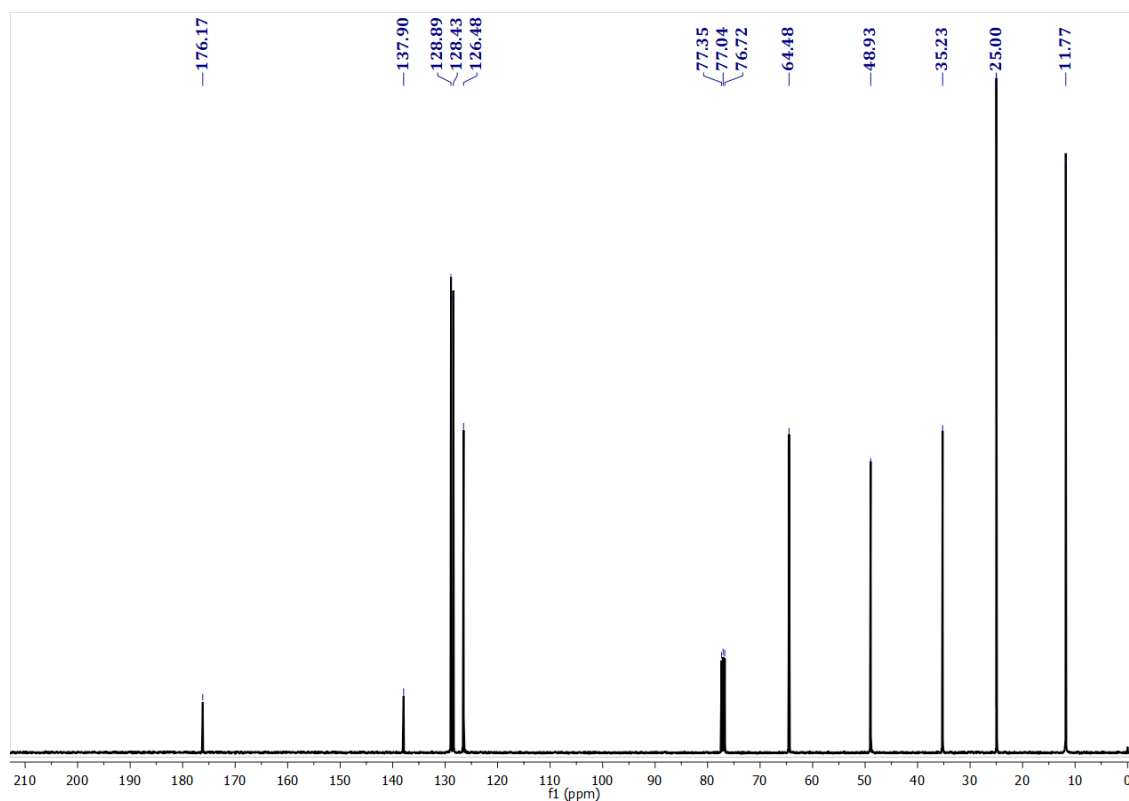


Figure S51. ^{13}C NMR spectrum of phenethyl 2-ethylbutanoate (**3a**) recorded in CDCl_3

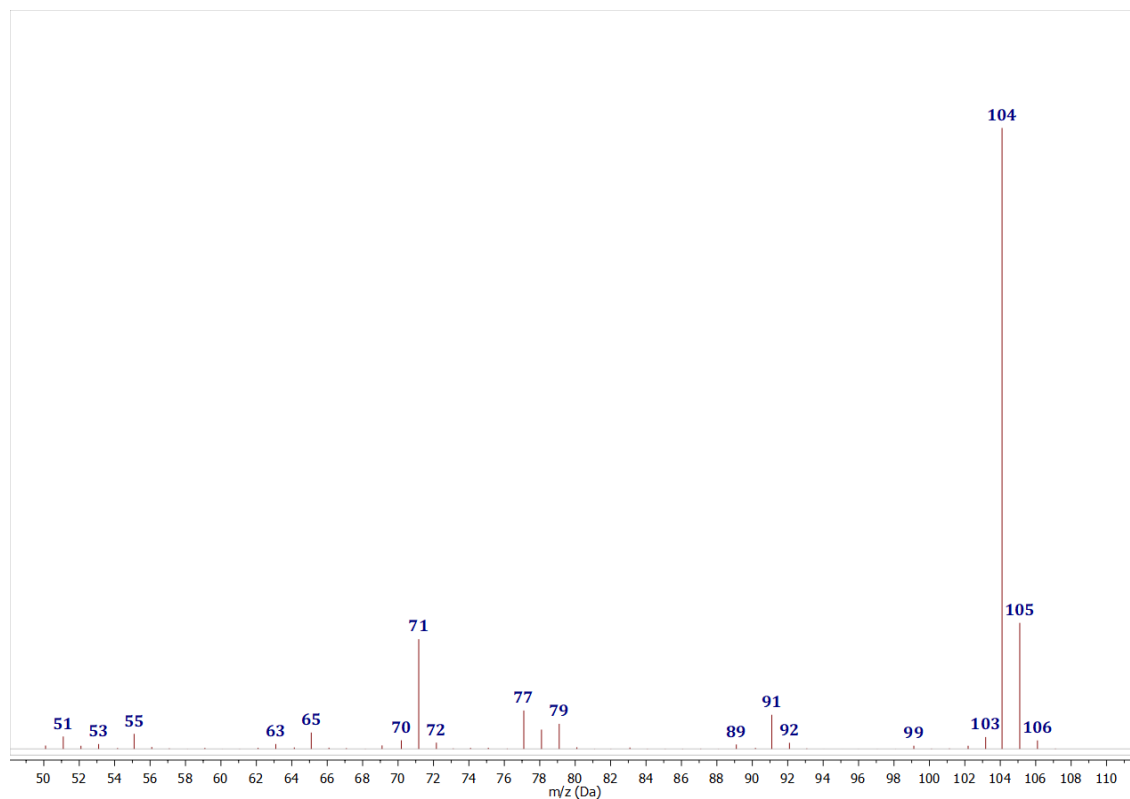


Figure S52. Mass spectrum of phenethyl 2,2-dimethylbutanoate (**3b**)

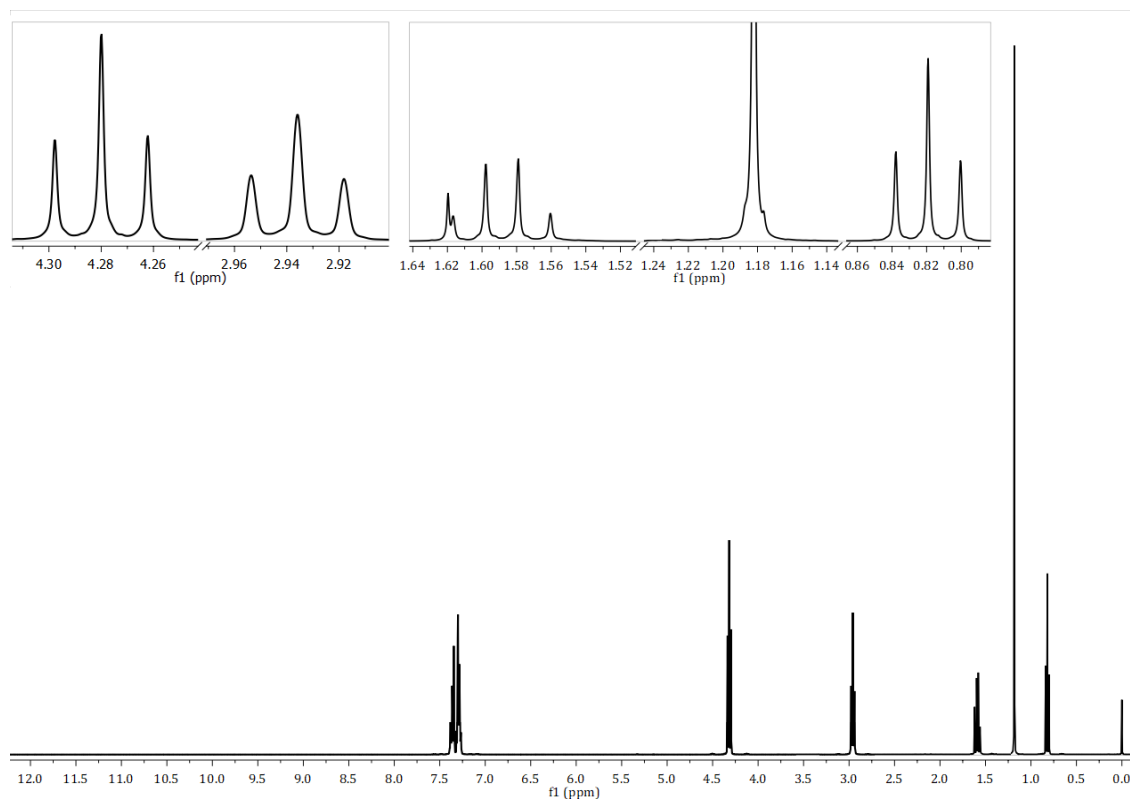


Figure S53. ^1H NMR spectrum of phenethyl 2,2-dimethylbutanoate (**3b**) recorded in CDCl_3

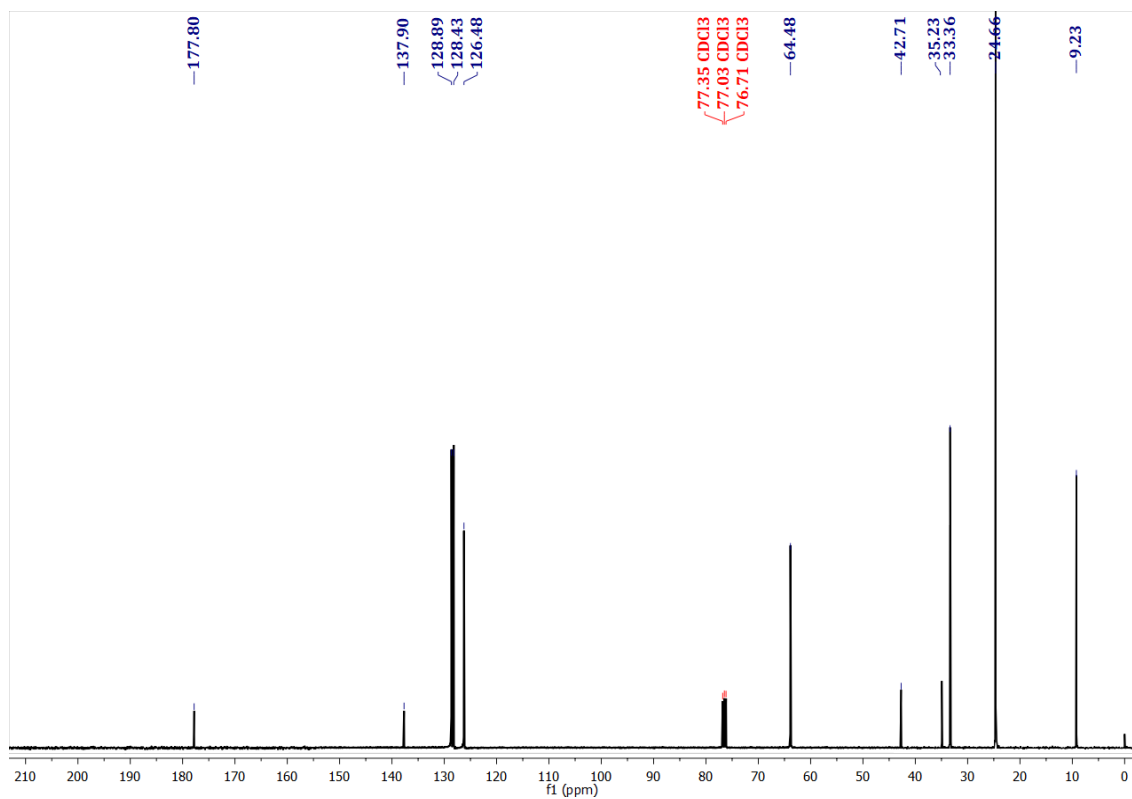


Figure S54. ¹³C NMR spectrum of phenethyl 2,2-dimethylbutanoate (**3b**) recorded in CDCl₃

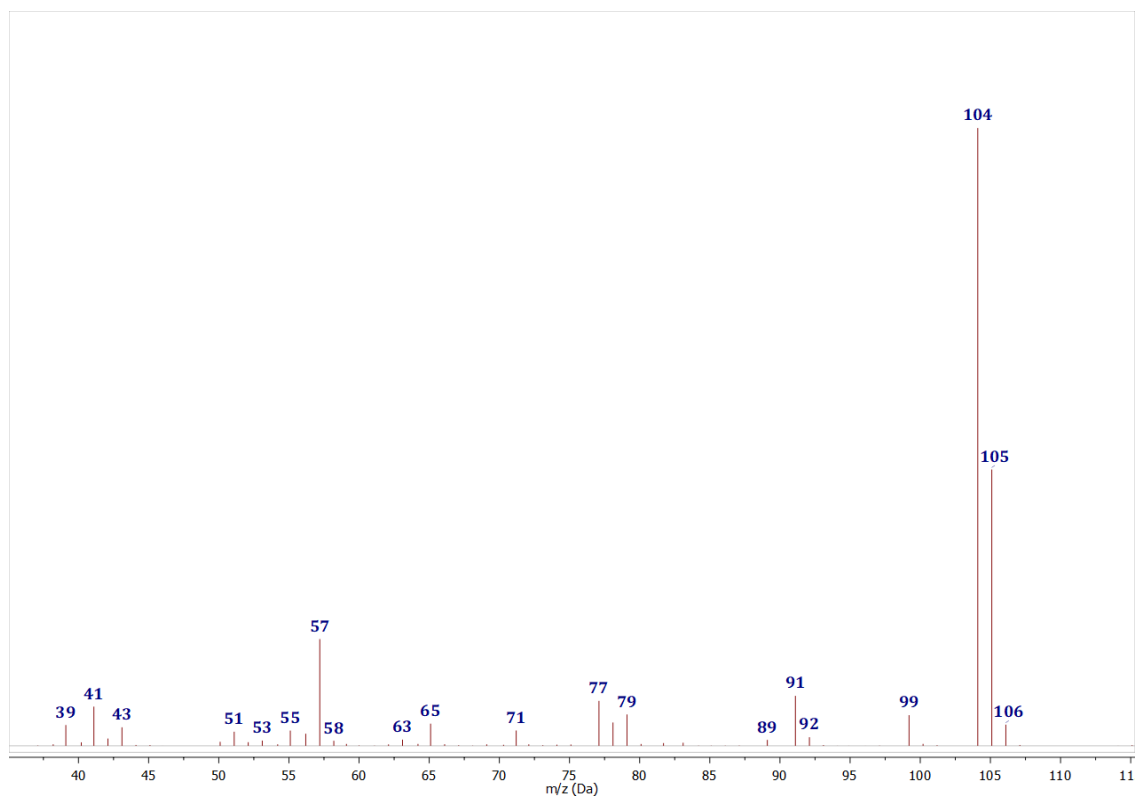


Figure S55. Mass spectrum of phenethyl 3,3-dimethylbutanoate (**3c**)

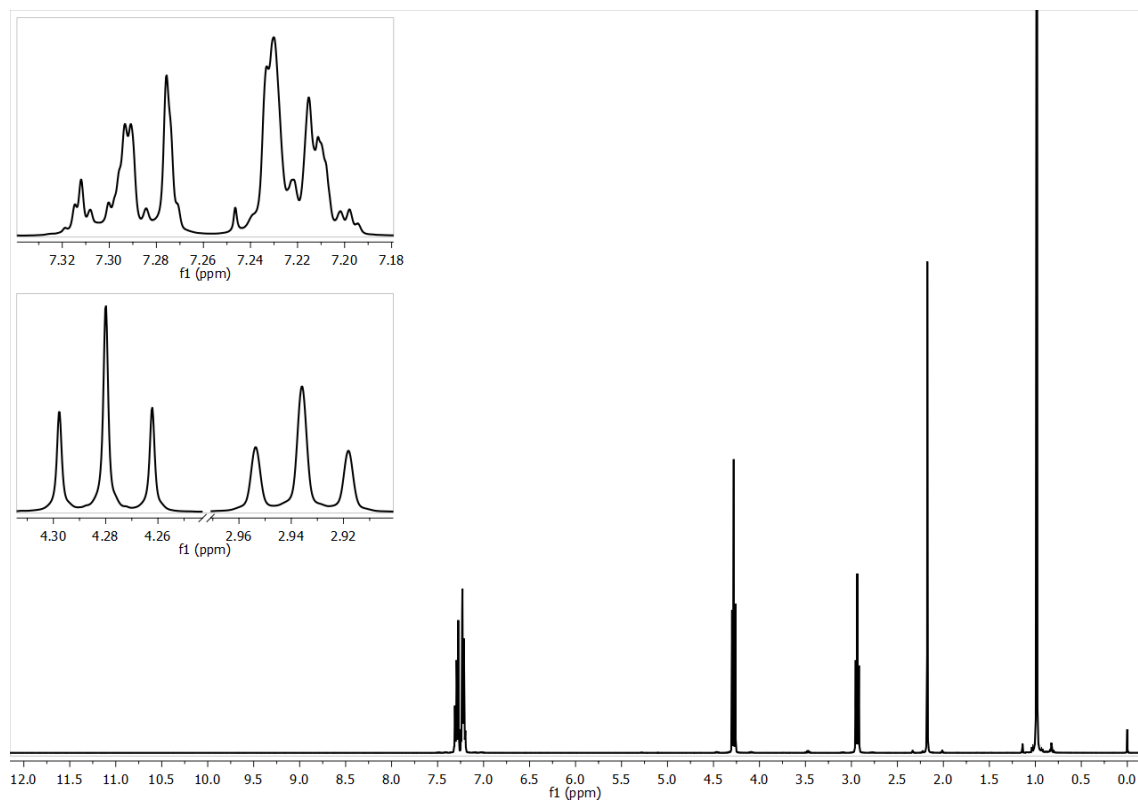


Figure S56. ^1H NMR spectrum of phenethyl 3,3-dimethylbutanoate (**3c**) recorded in CDCl_3

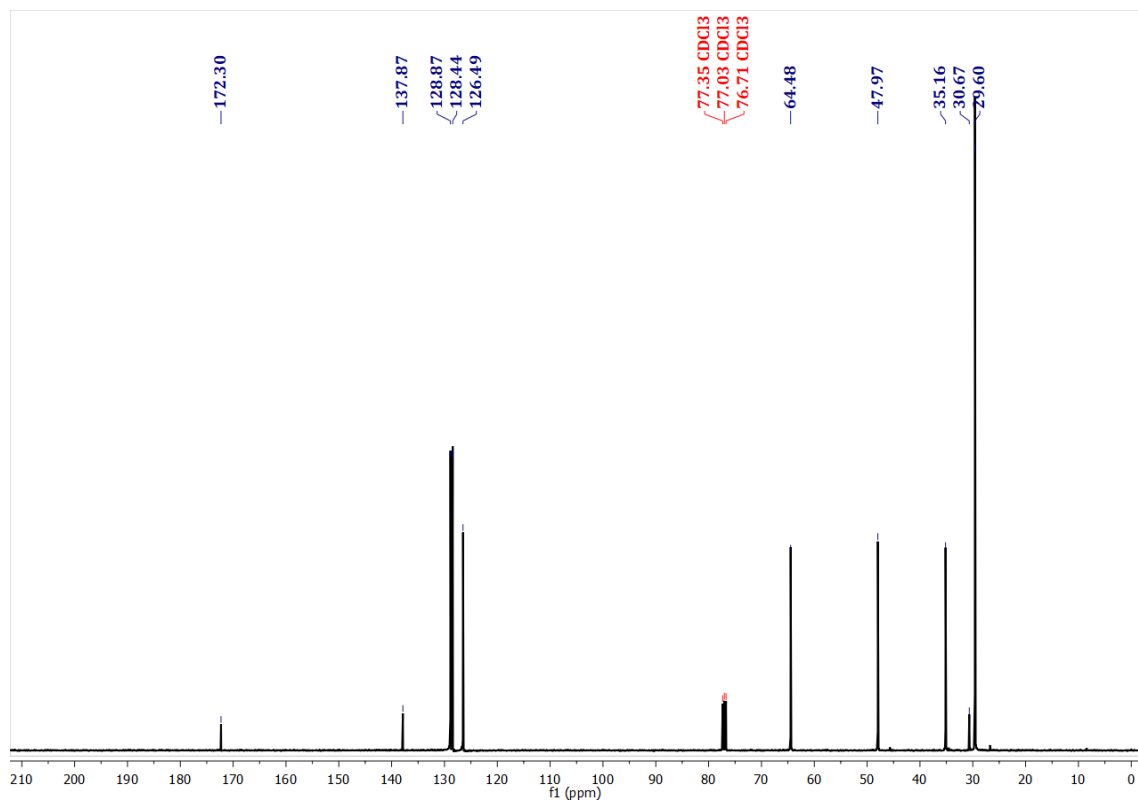


Figure S57. ^{13}C NMR spectrum of phenethyl 3,3-dimethylbutanoate (**3c**) recorded in CDCl_3

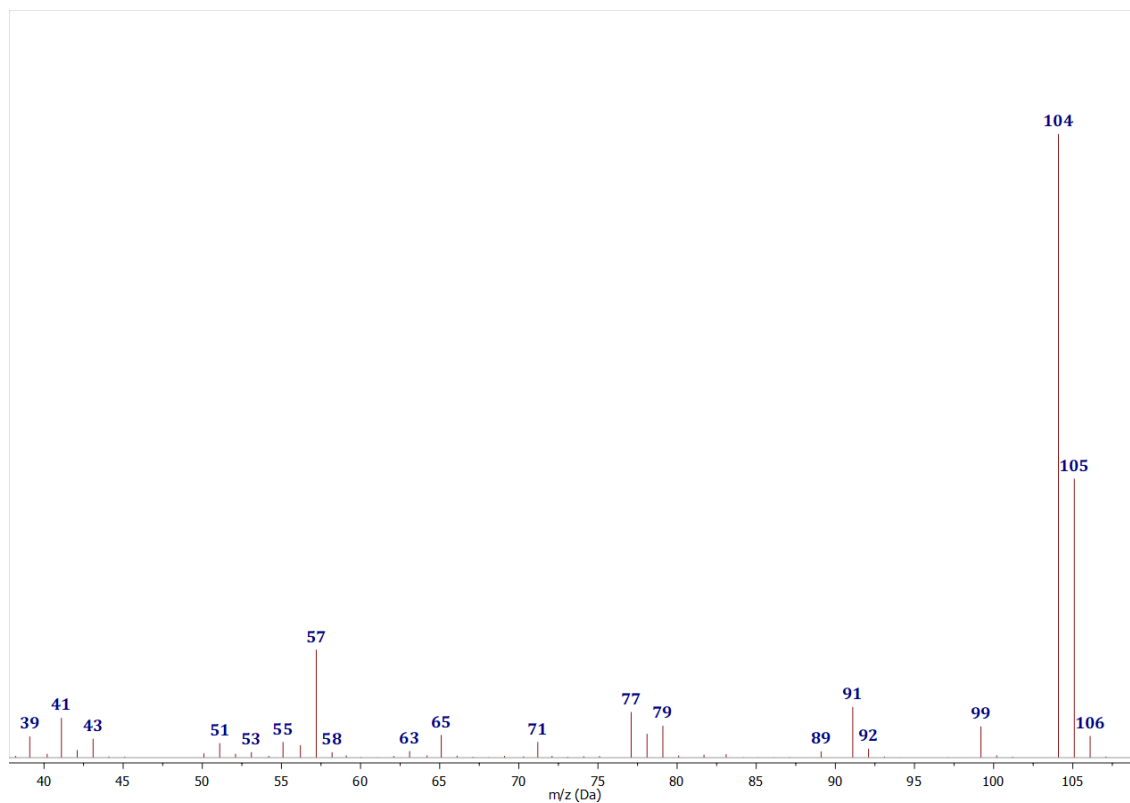


Figure S58. Mass spectrum of phenethyl 2,3-dimethylbutanoate (**3d**)

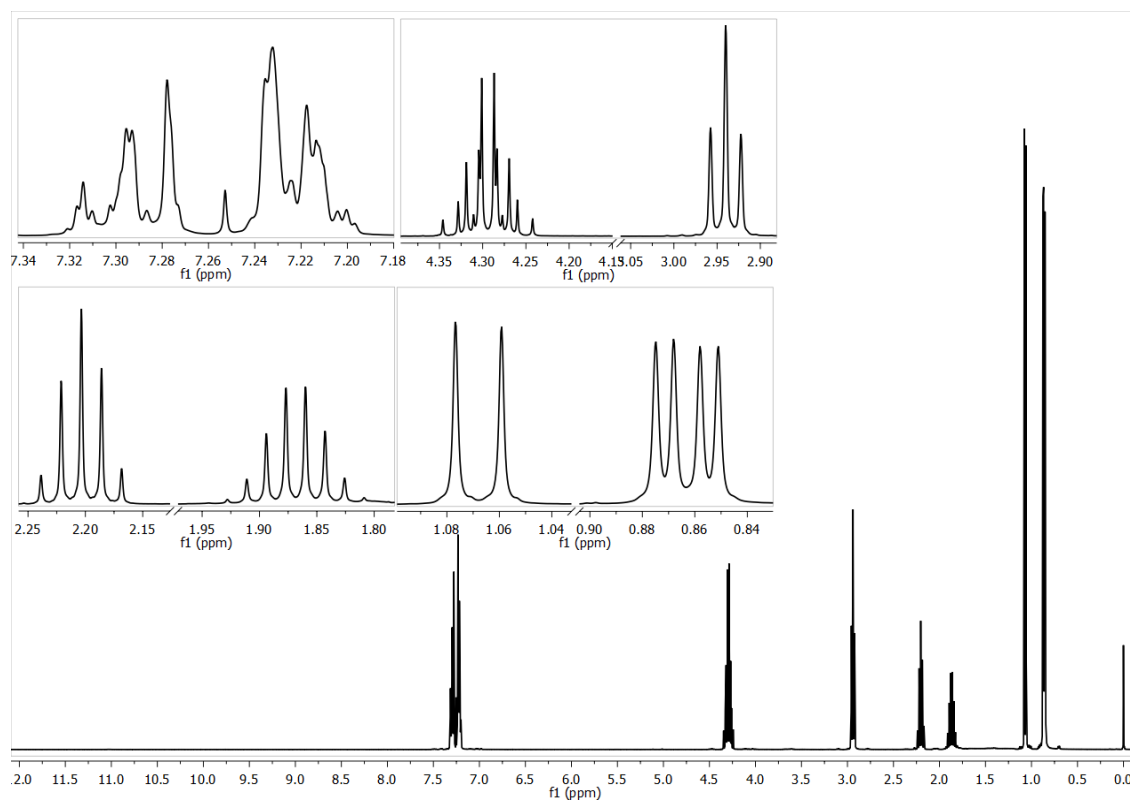


Figure S59. ^1H NMR spectrum of phenethyl 2,3-dimethylbutanoate (**3d**) recorded in CDCl_3

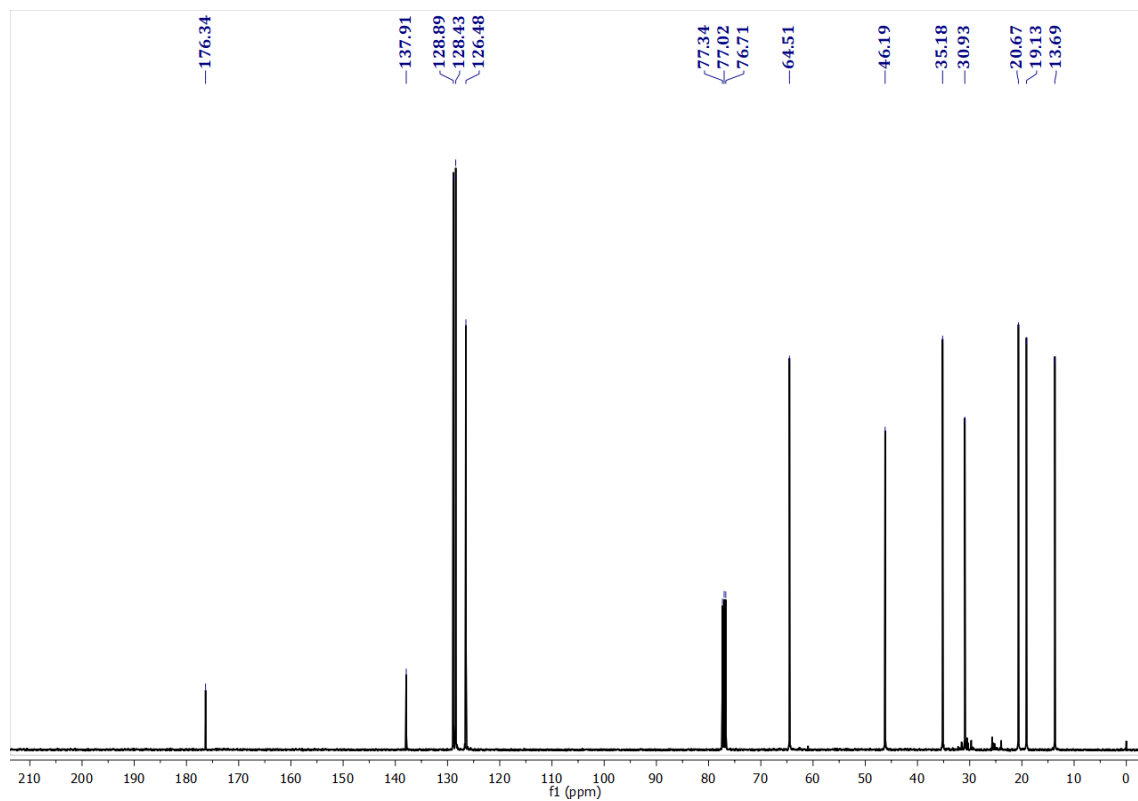


Figure S60. ¹³C NMR spectrum of phenethyl 2,3-dimethylbutanoate (**3d**) recorded in CDCl₃

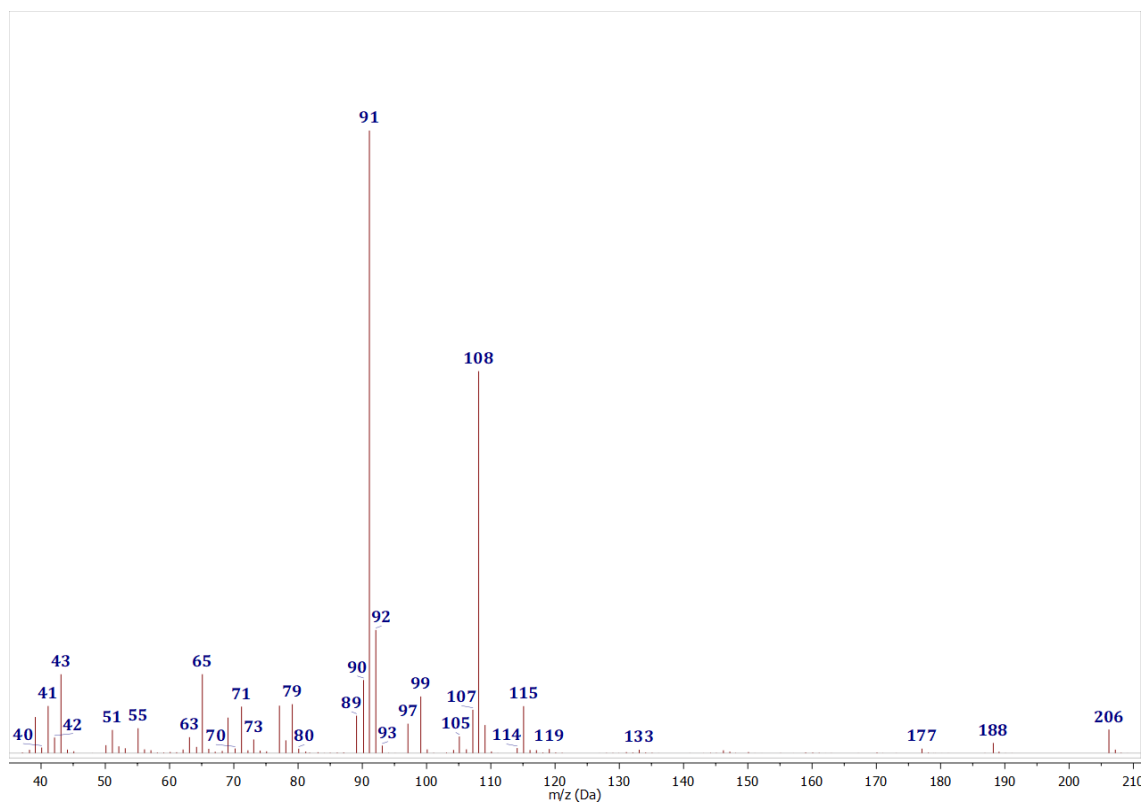


Figure S61. Mass spectrum of phenethyl 2-methylpentanoate (**3e**)

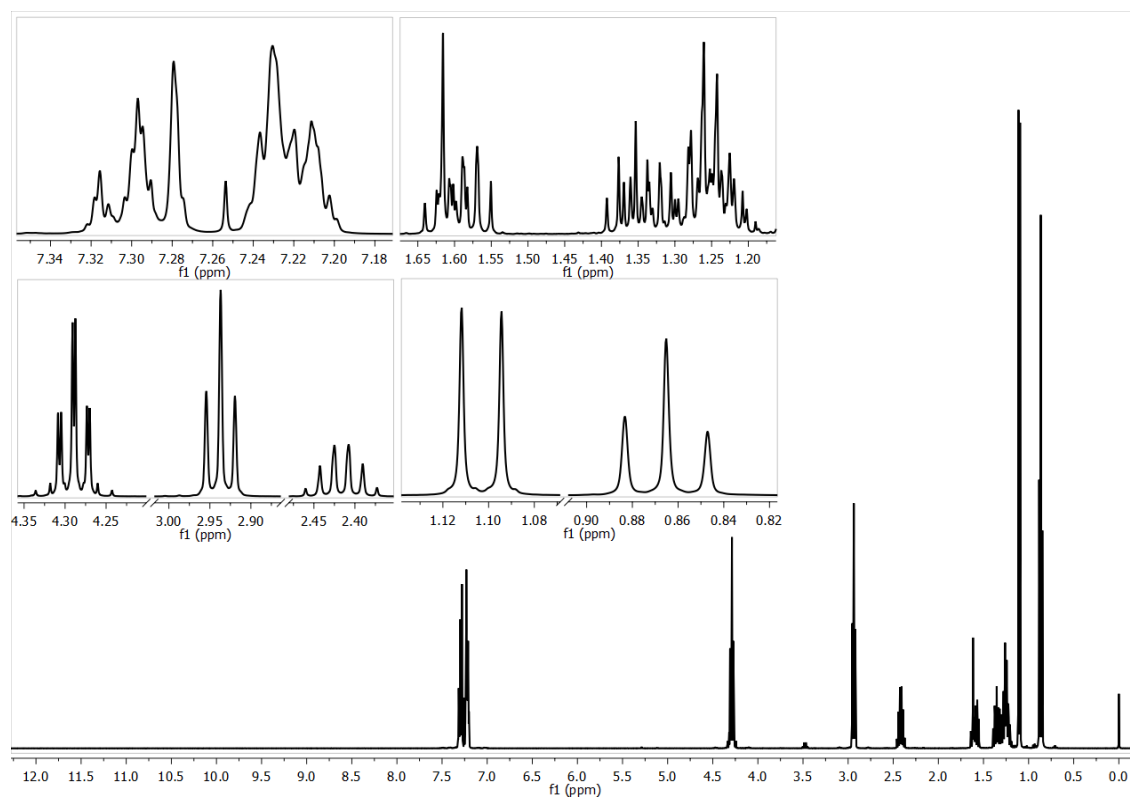


Figure S62. ^1H NMR spectrum of phenethyl 2-methylpentanoate (**3e**) recorded in CDCl_3

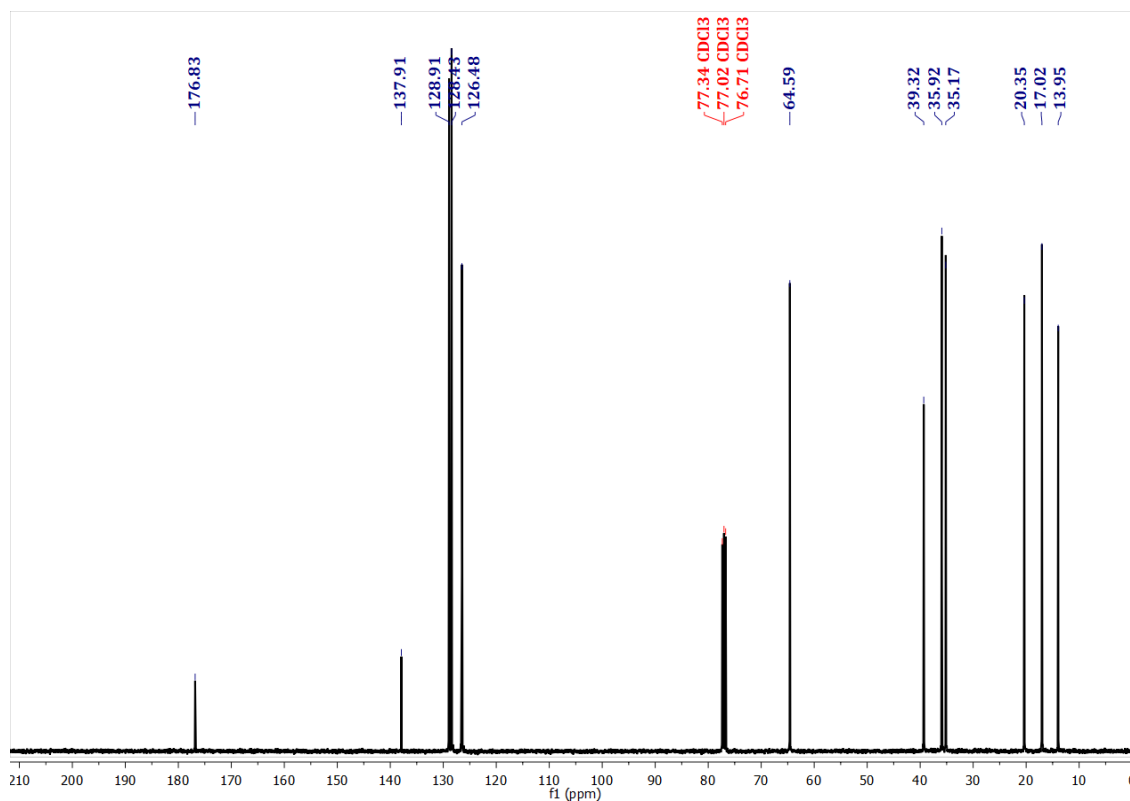


Figure S63. ^{13}C NMR spectrum of phenethyl 2-methylpentanoate (**3e**) recorded in CDCl_3

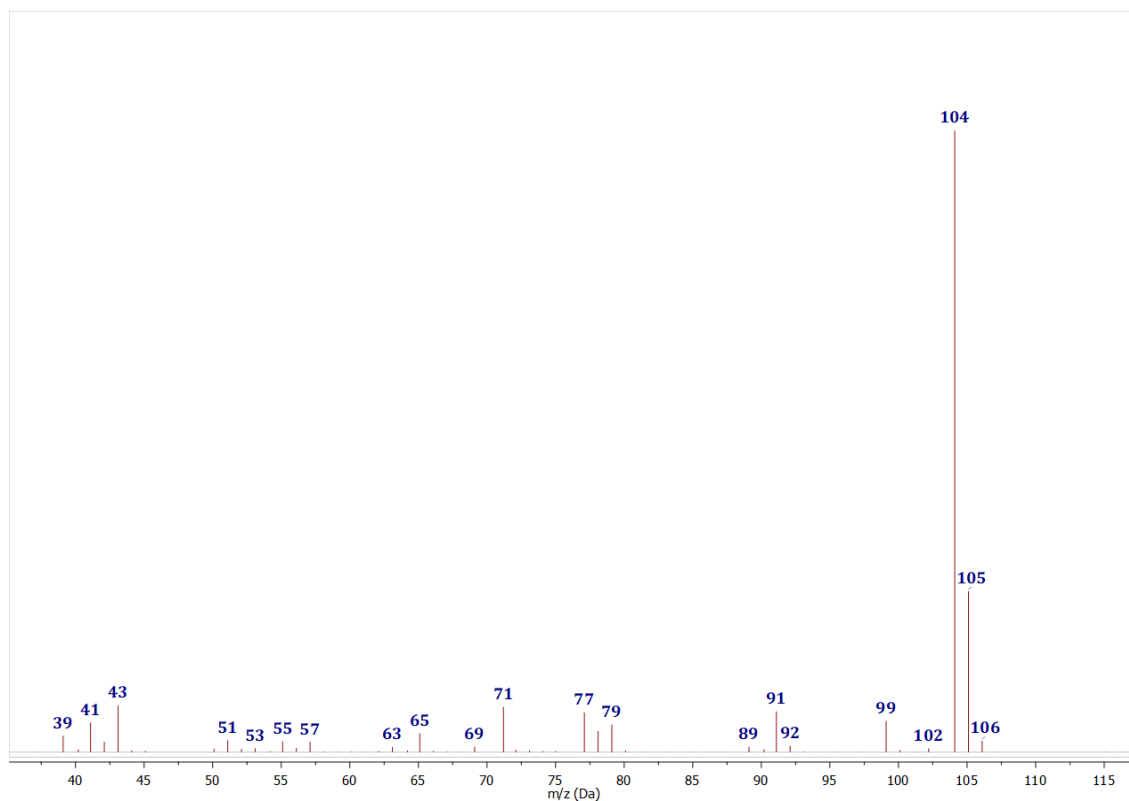


Figure S64. Mass spectrum of phenethyl 3-methylpentanoate (**3f**)

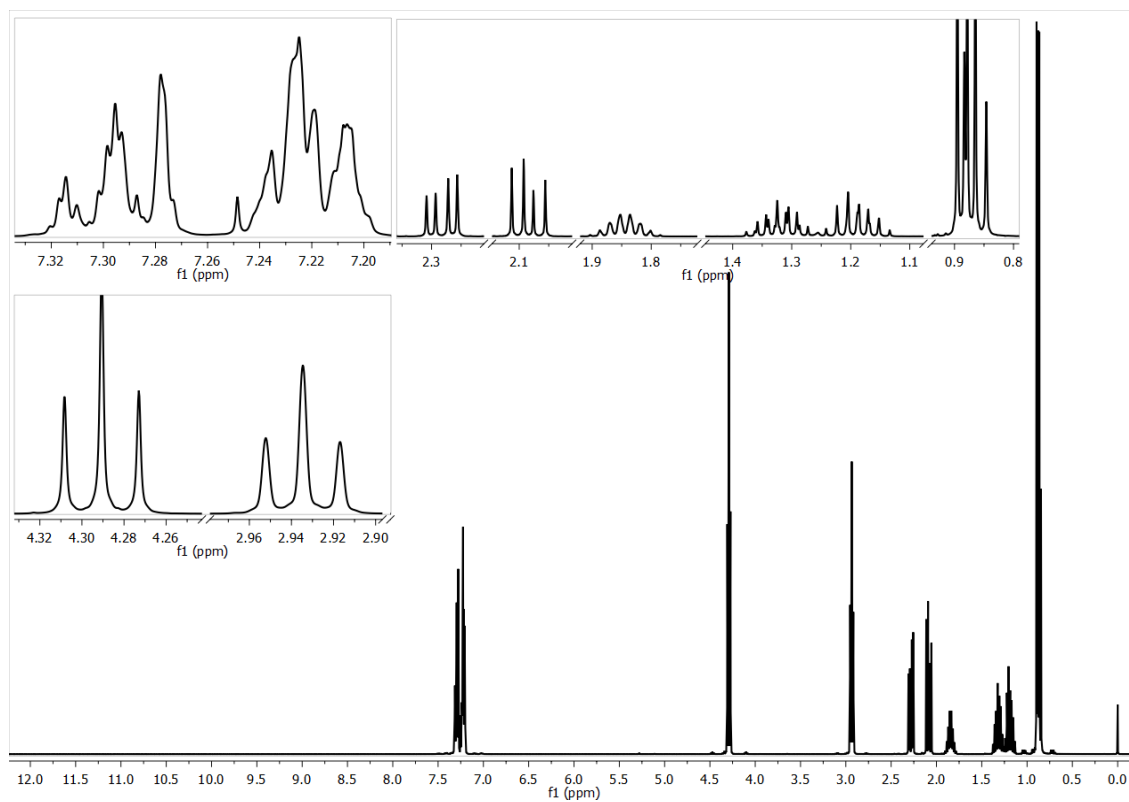


Figure S65. ^1H NMR spectrum of phenethyl 3-methylpentanoate (**3f**) recorded in CDCl_3

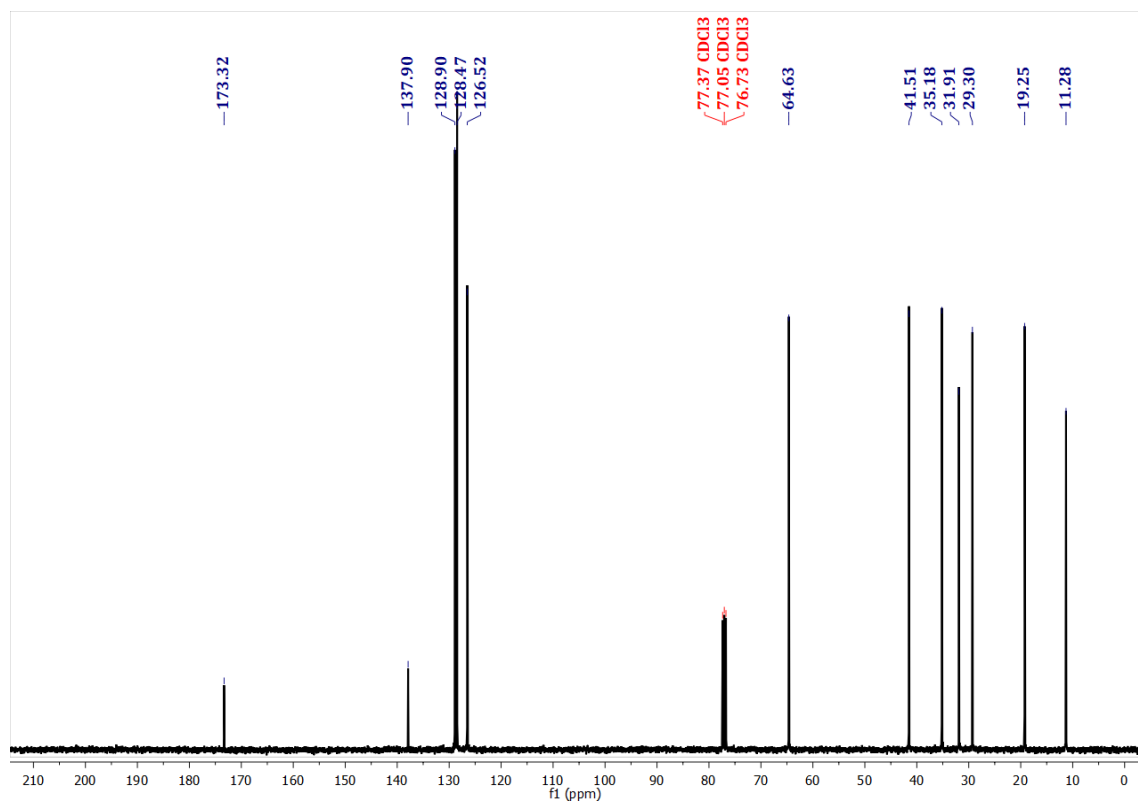


Figure S66. ¹³C NMR spectrum of phenethyl 3-methylpentanoate (**3f**) recorded in CDCl₃

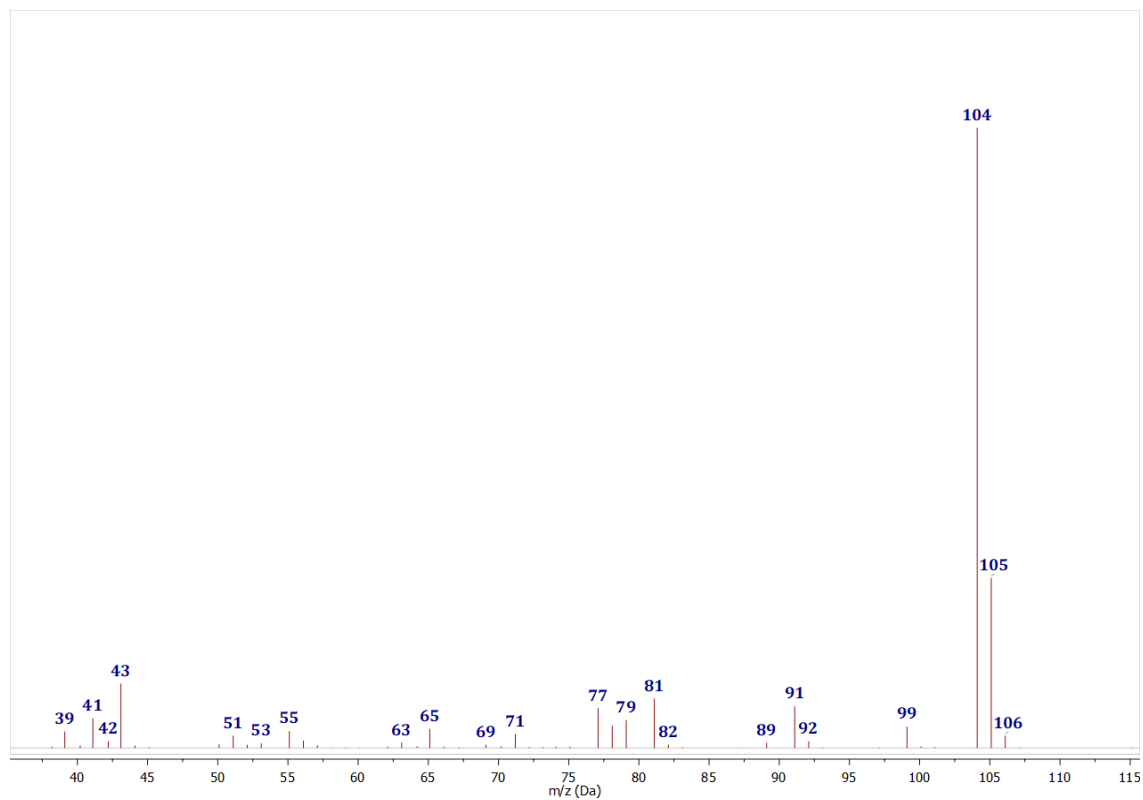


Figure S67. Mass spectrum of phenethyl 4-methylpentanoate (**3g**)

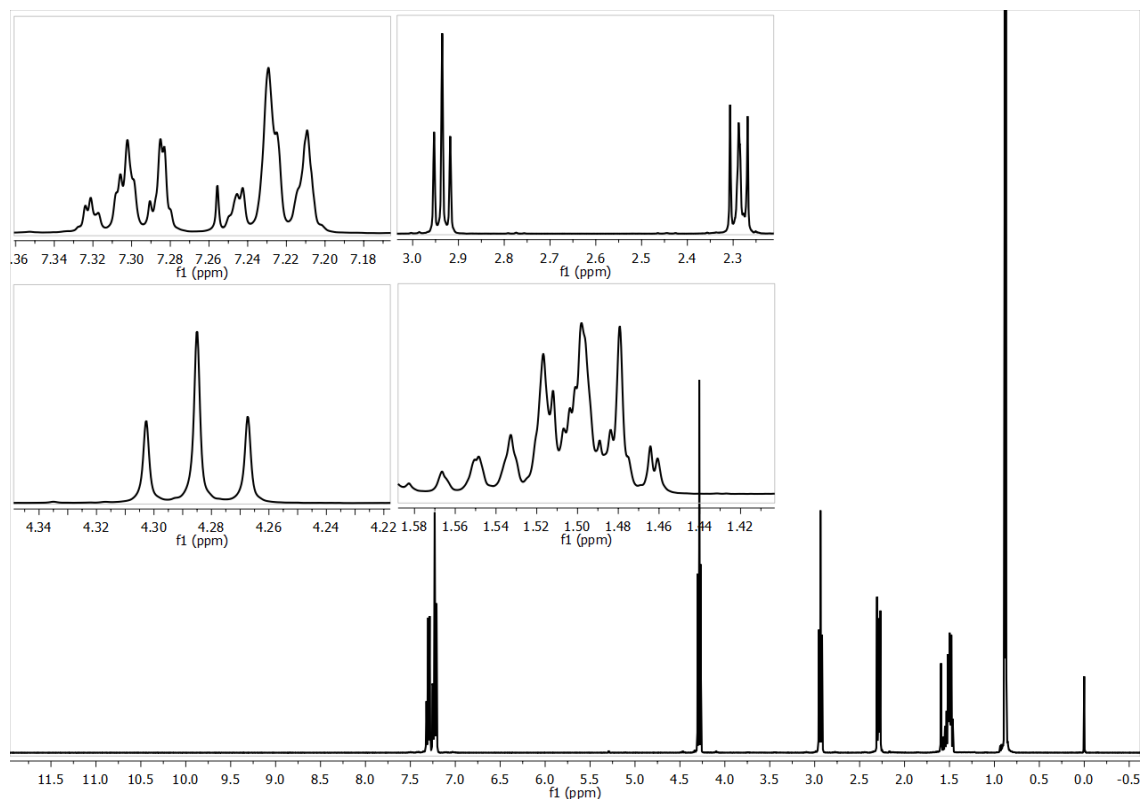


Figure S68. ^1H NMR spectrum of phenethyl 4-methylpentanoate (**3g**) recorded in CDCl_3

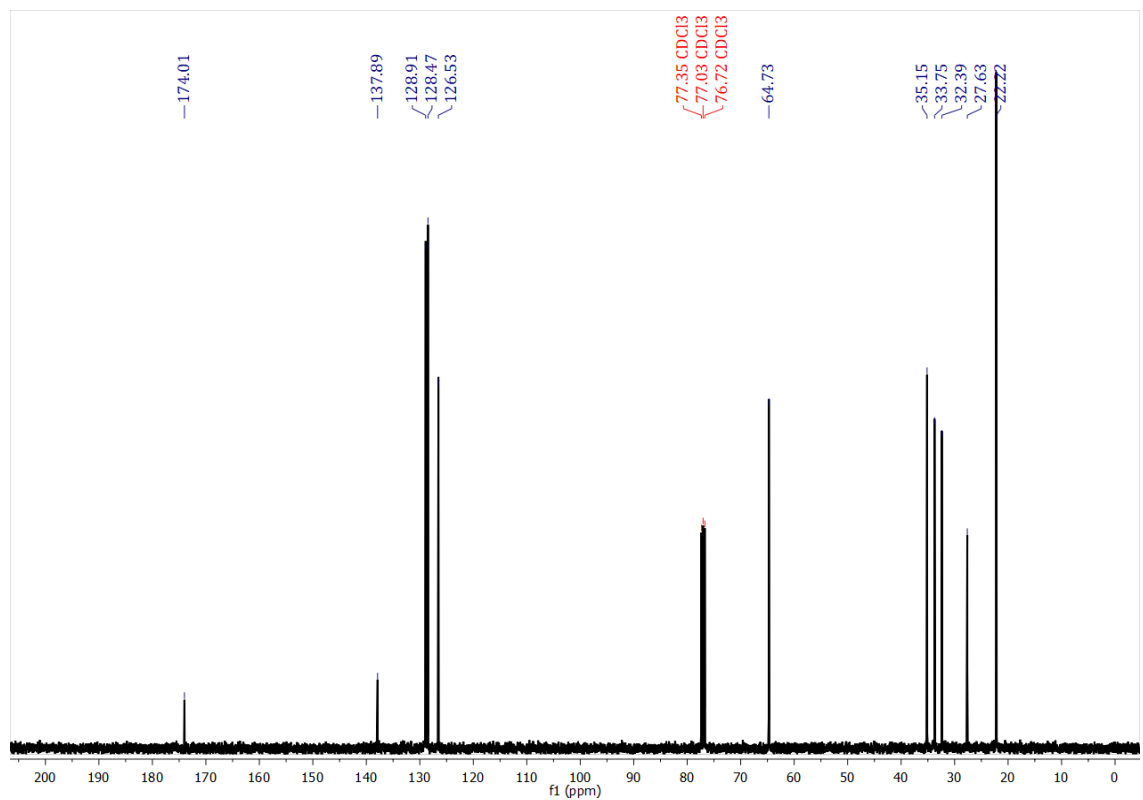


Figure S69. ^{13}C NMR spectrum of phenethyl 4-methylpentanoate (**3g**) recorded in CDCl_3

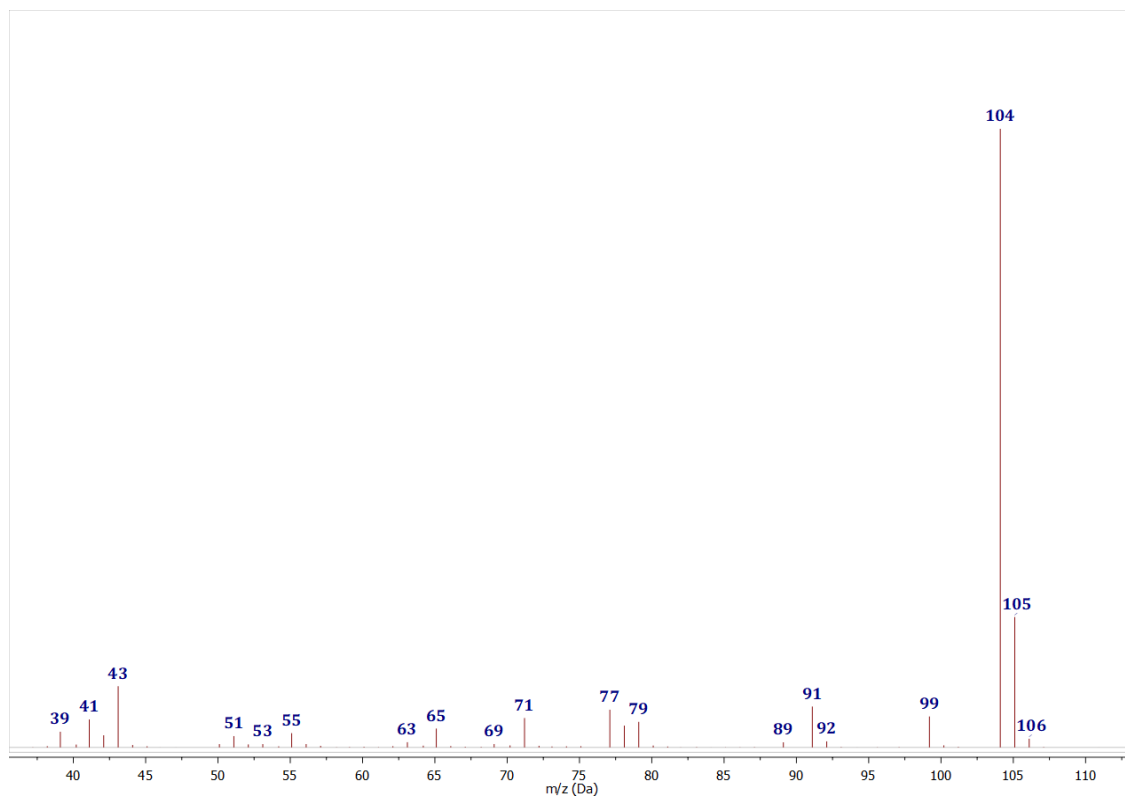


Figure S70. Mass spectrum of phenethyl hexanoate (**3h**)

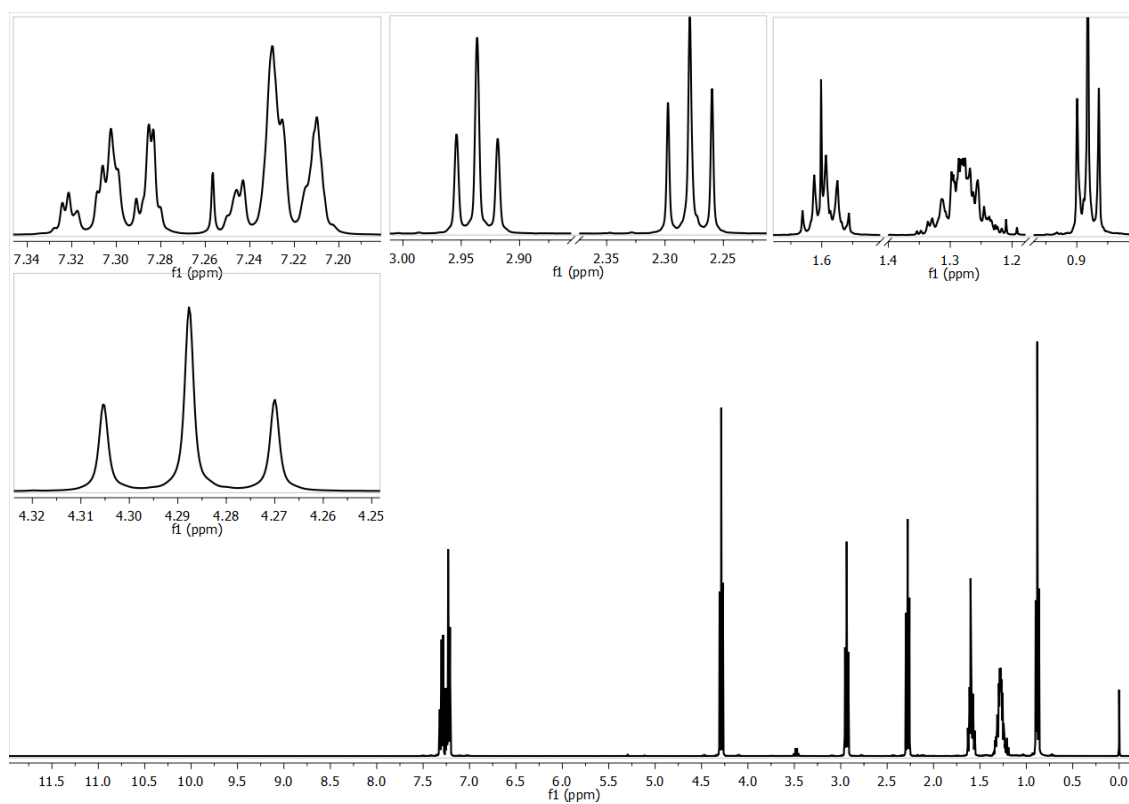


Figure S71. ^1H NMR spectrum of phenethyl hexanoate (**3h**) recorded in CDCl_3

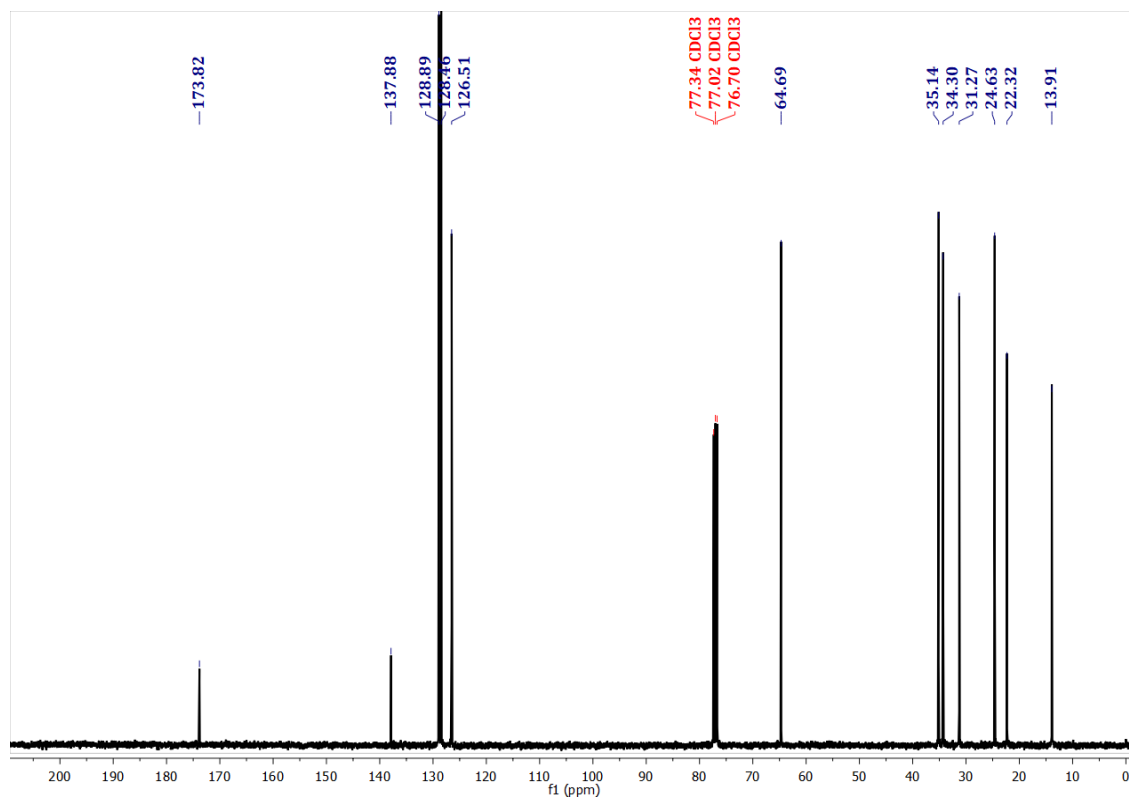


Figure S72. ¹³C NMR spectrum of phenethyl hexanoate (**3h**) recorded in CDCl₃

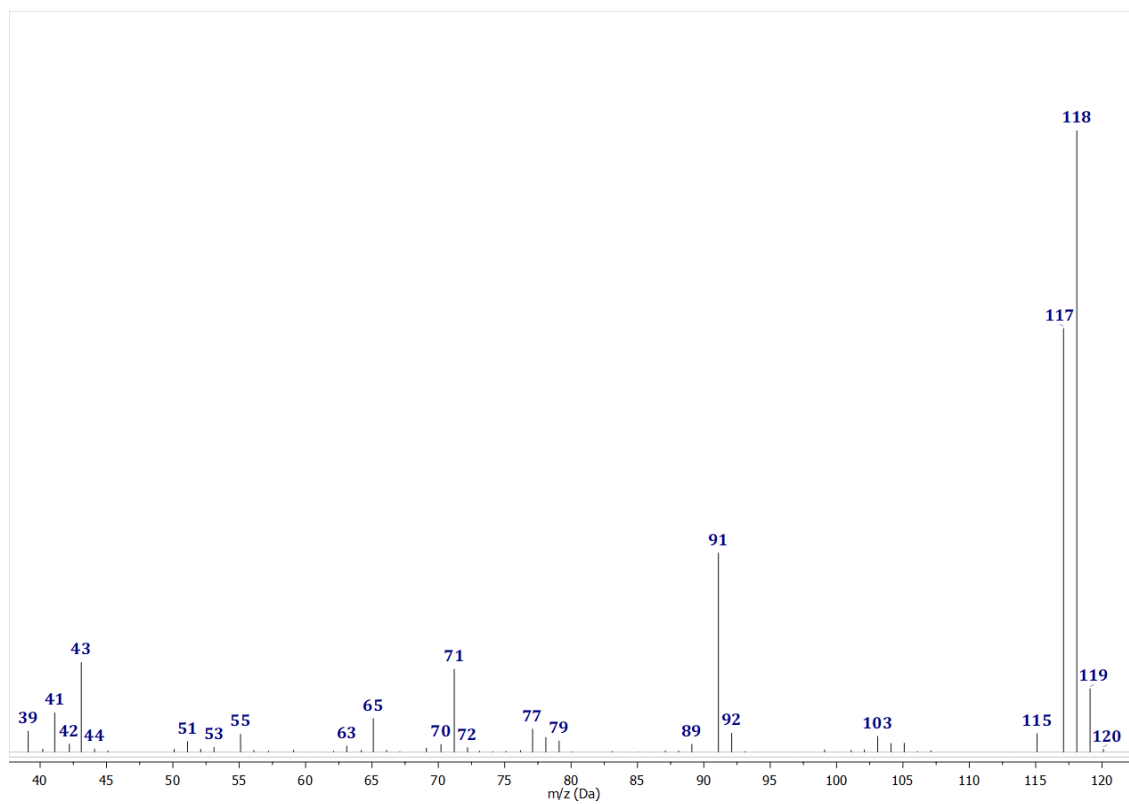


Figure S73. Mass spectrum of 3-phenylpropyl 2-ethylbutanoate (**4a**)

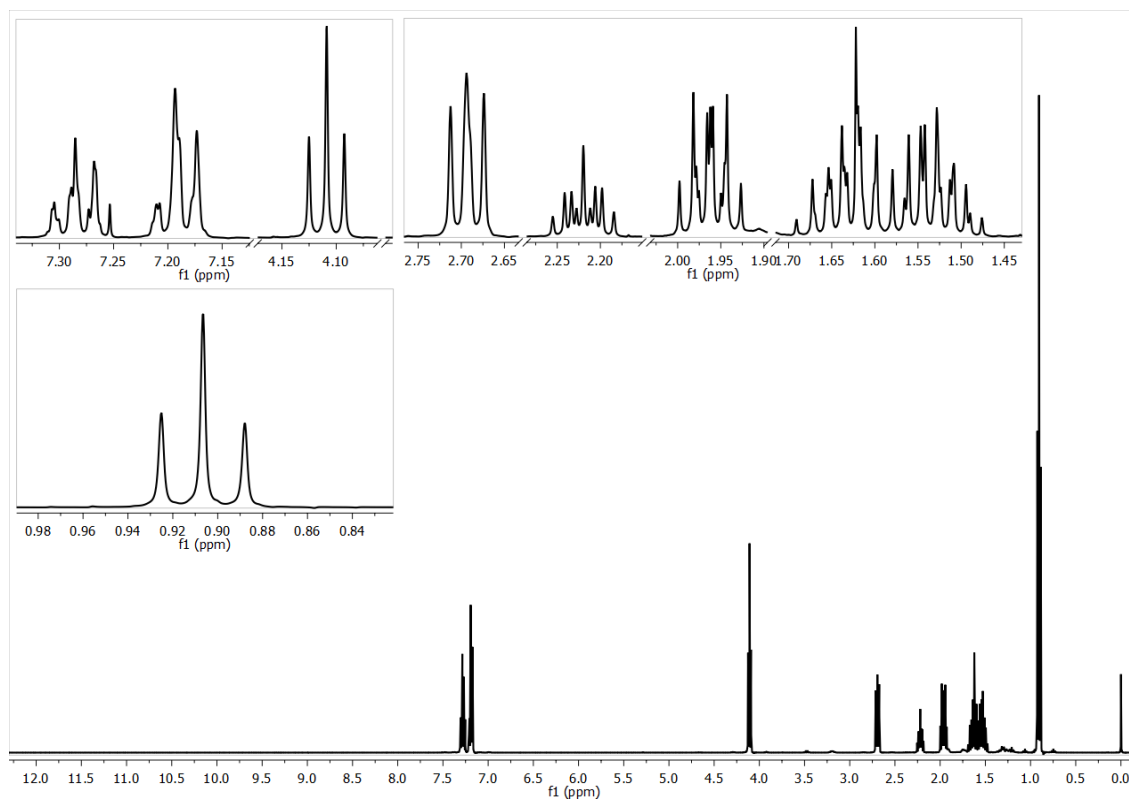


Figure S74. ^1H NMR spectrum of 3-phenylpropyl 2-ethylbutanoate (**4a**) recorded in CDCl_3

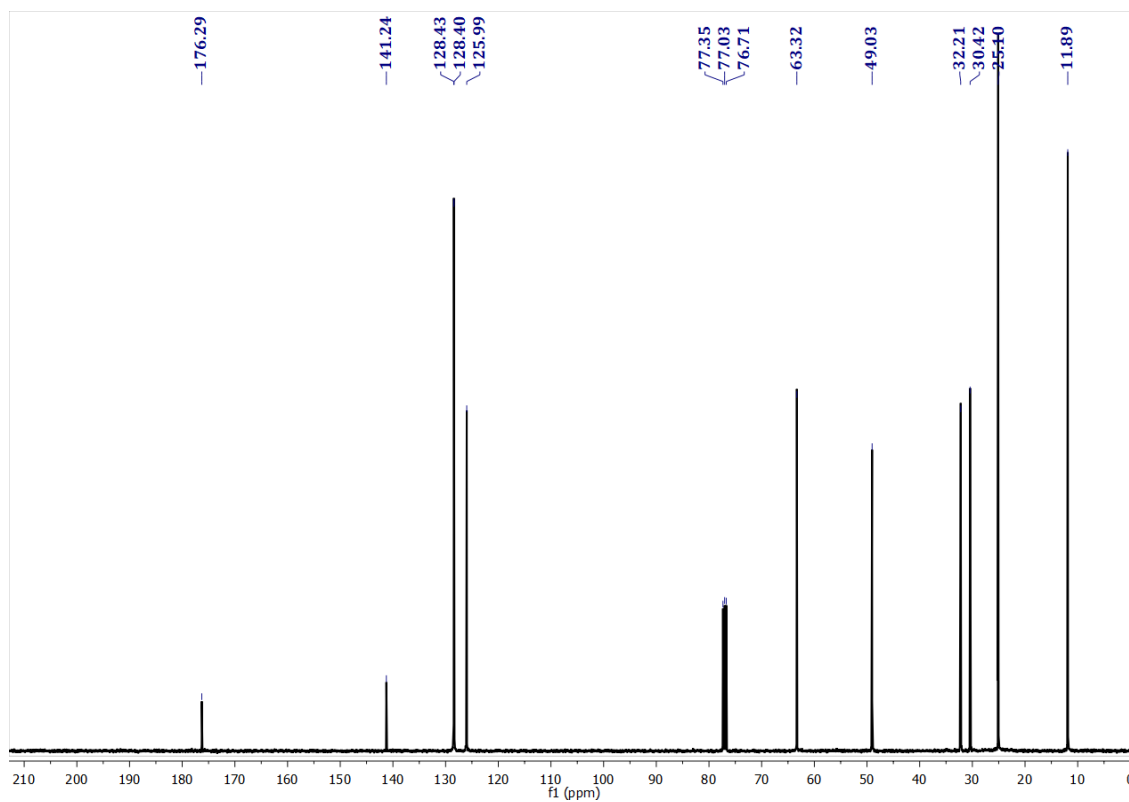


Figure S75. ^{13}C NMR spectrum of 3-phenylpropyl 2-ethylbutanoate (**4a**) recorded in CDCl_3

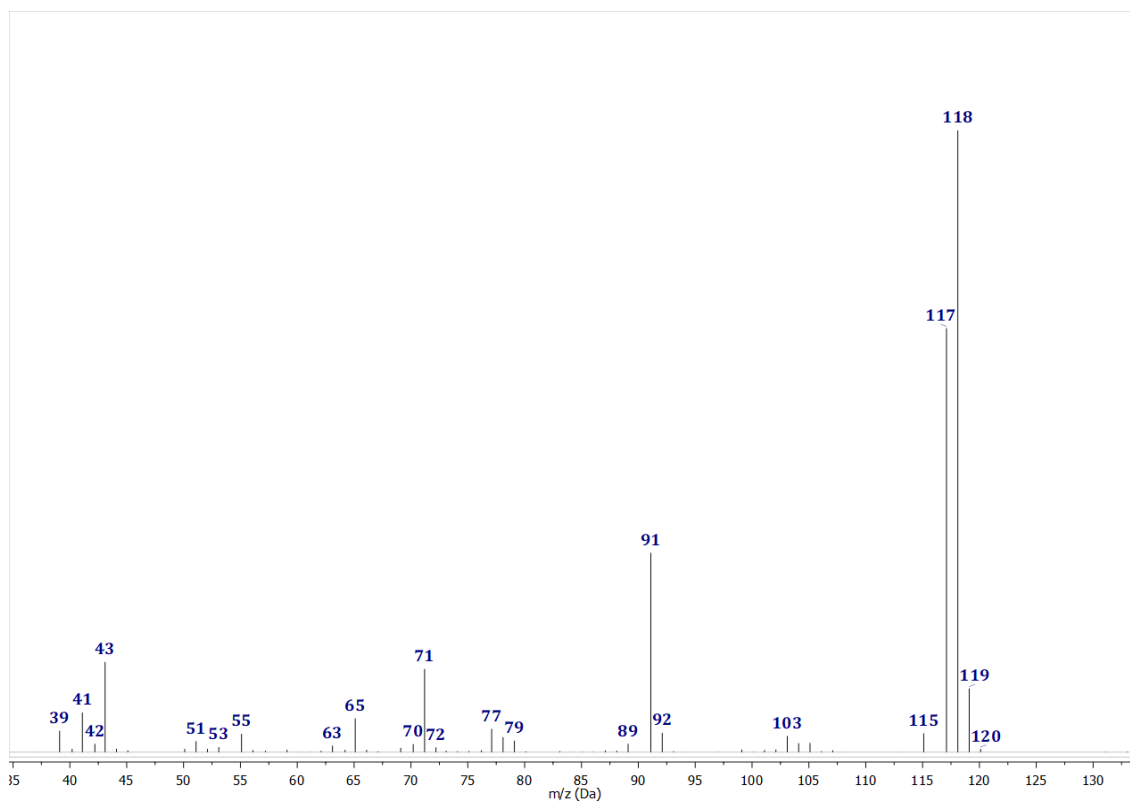


Figure S76. Mass spectrum of 3-phenylpropyl 2,2-dimethylbutanoate (**4b**)

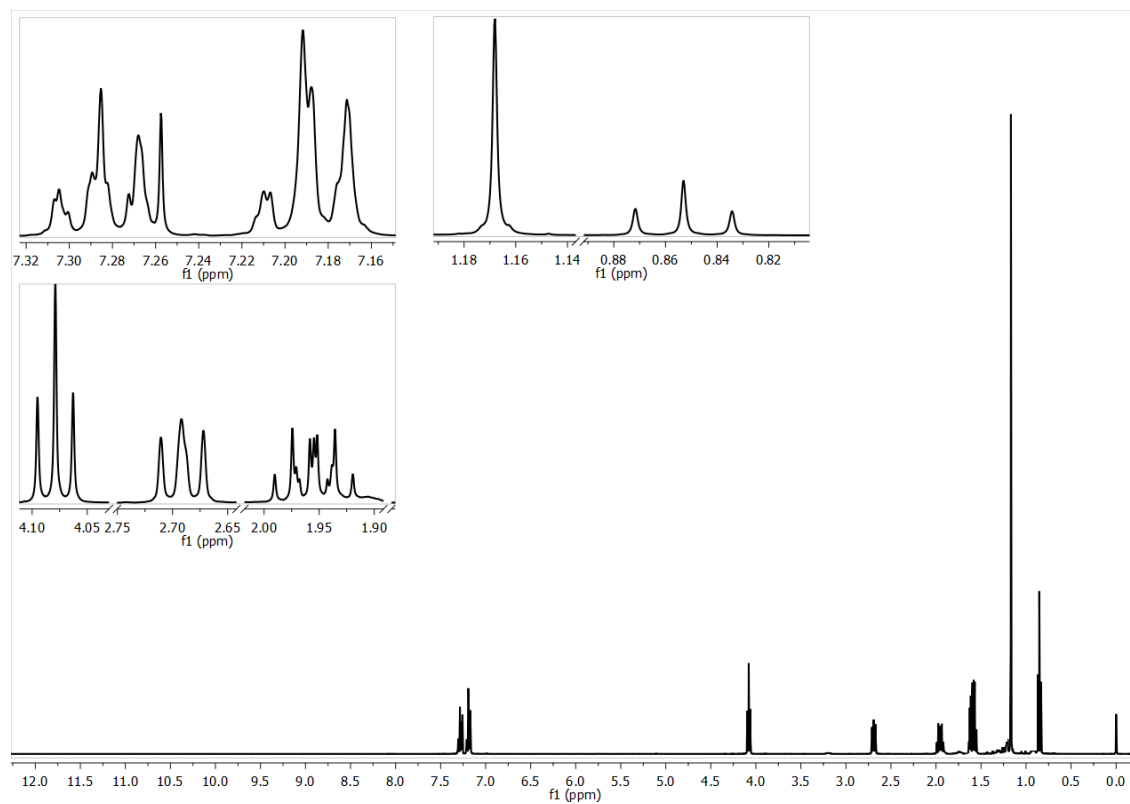


Figure S77. ^1H NMR spectrum of 3-phenylpropyl 2,2-dimethylbutanoate (**4b**) recorded in CDCl_3

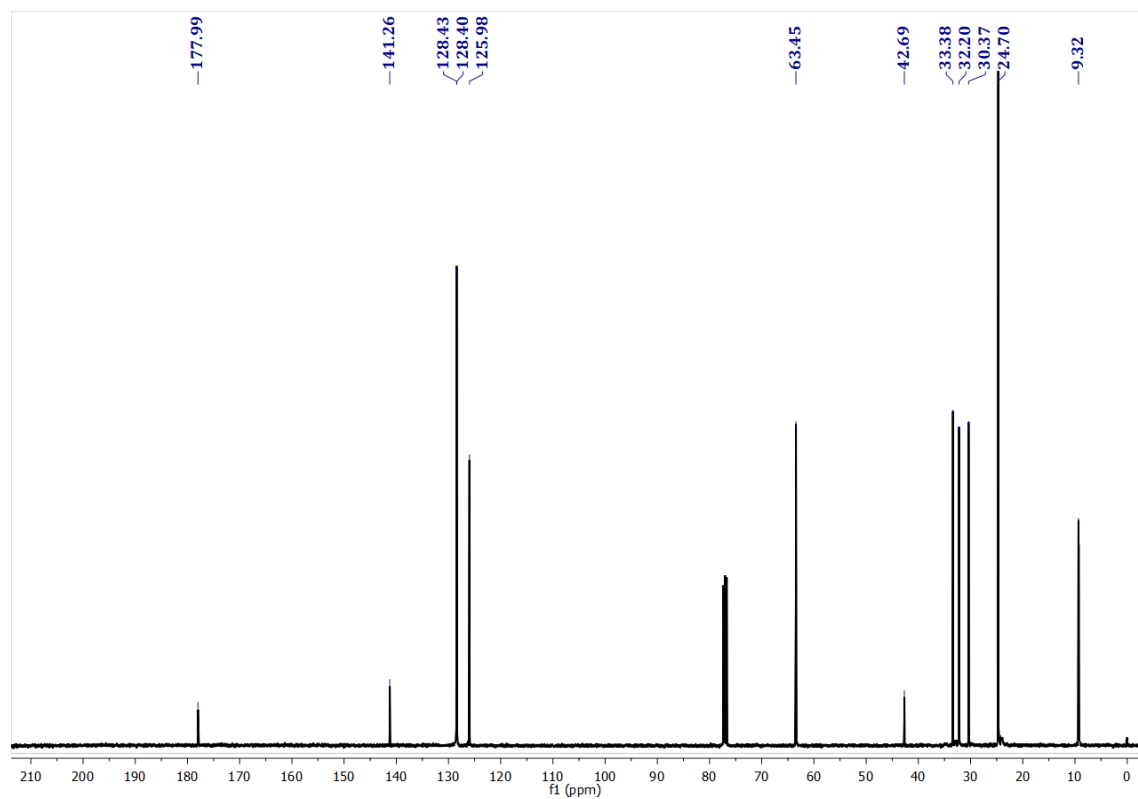


Figure S78. ¹³C NMR spectrum of 3-phenylpropyl 2,2-dimethylbutanoate (**4b**) recorded in CDCl₃

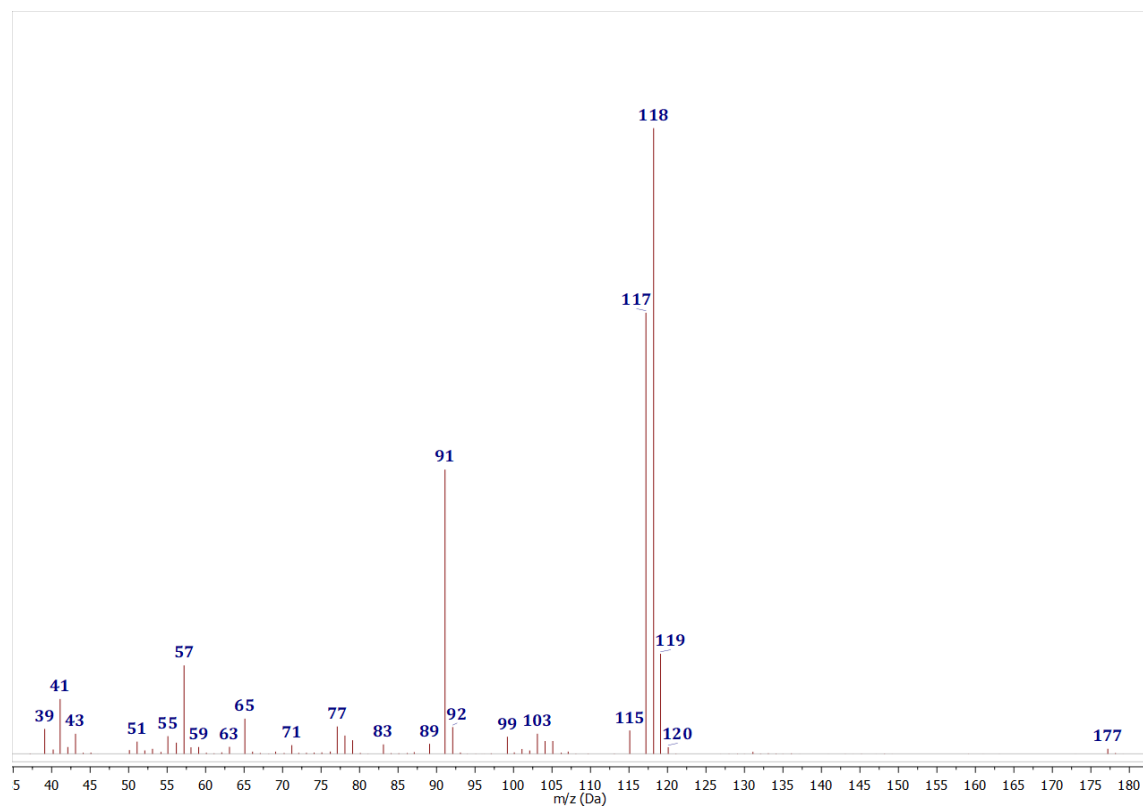


Figure S79. Mass spectrum of 3-phenylpropyl 3,3-dimethylbutanoate (**4c**)

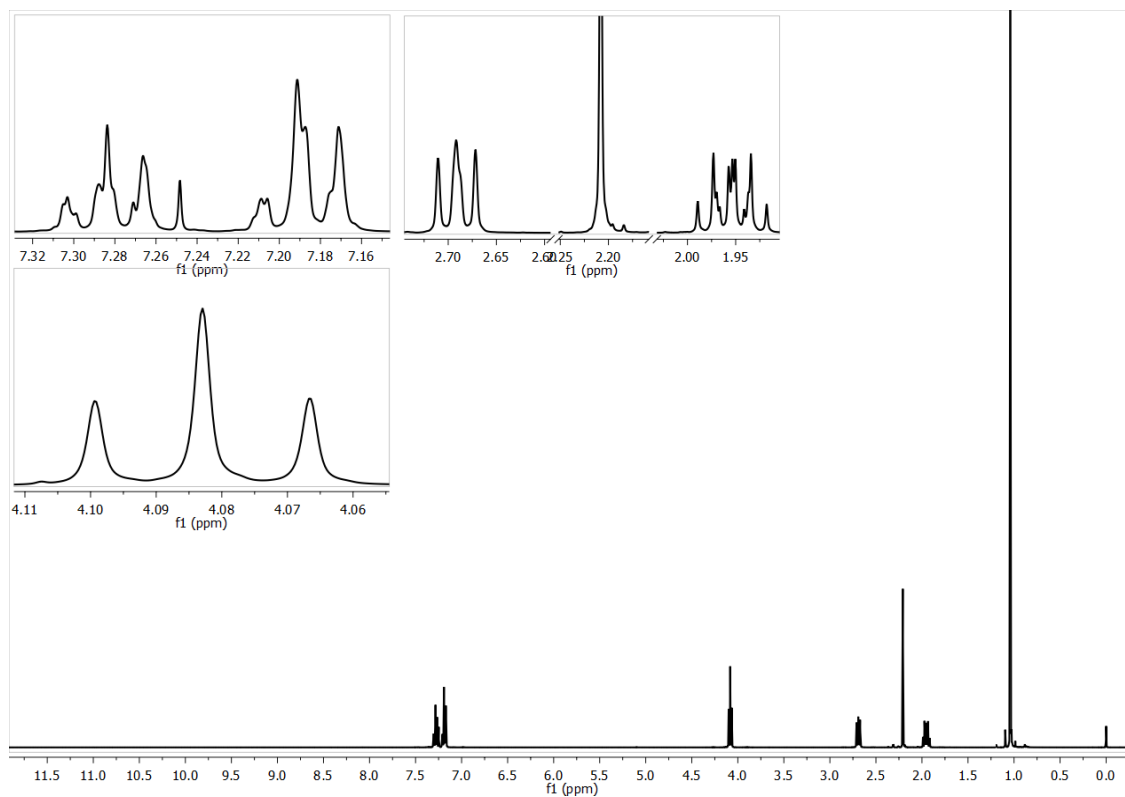


Figure S80. ^1H NMR spectrum of 3-phenylpropyl 3,3-dimethylbutanoate (**4c**) recorded in CDCl_3

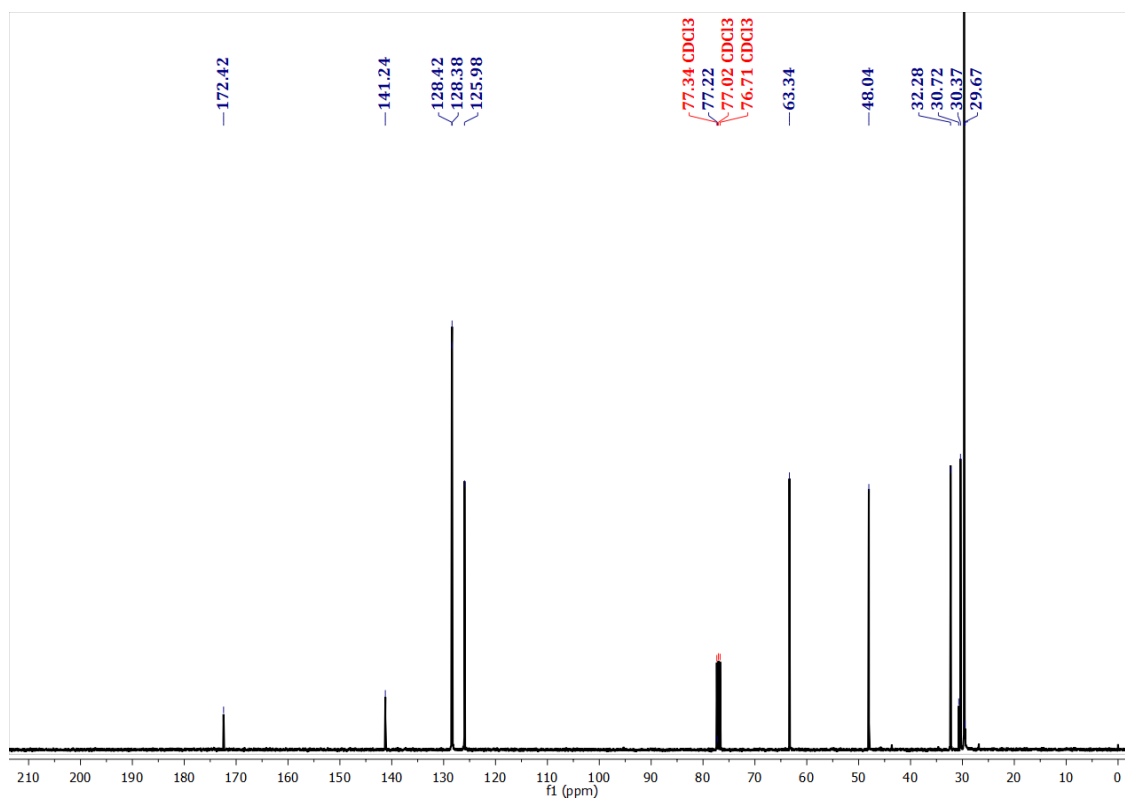


Figure S81. ^{13}C NMR spectrum of 3-phenylpropyl 3,3-dimethylbutanoate (**4c**) recorded in CDCl_3

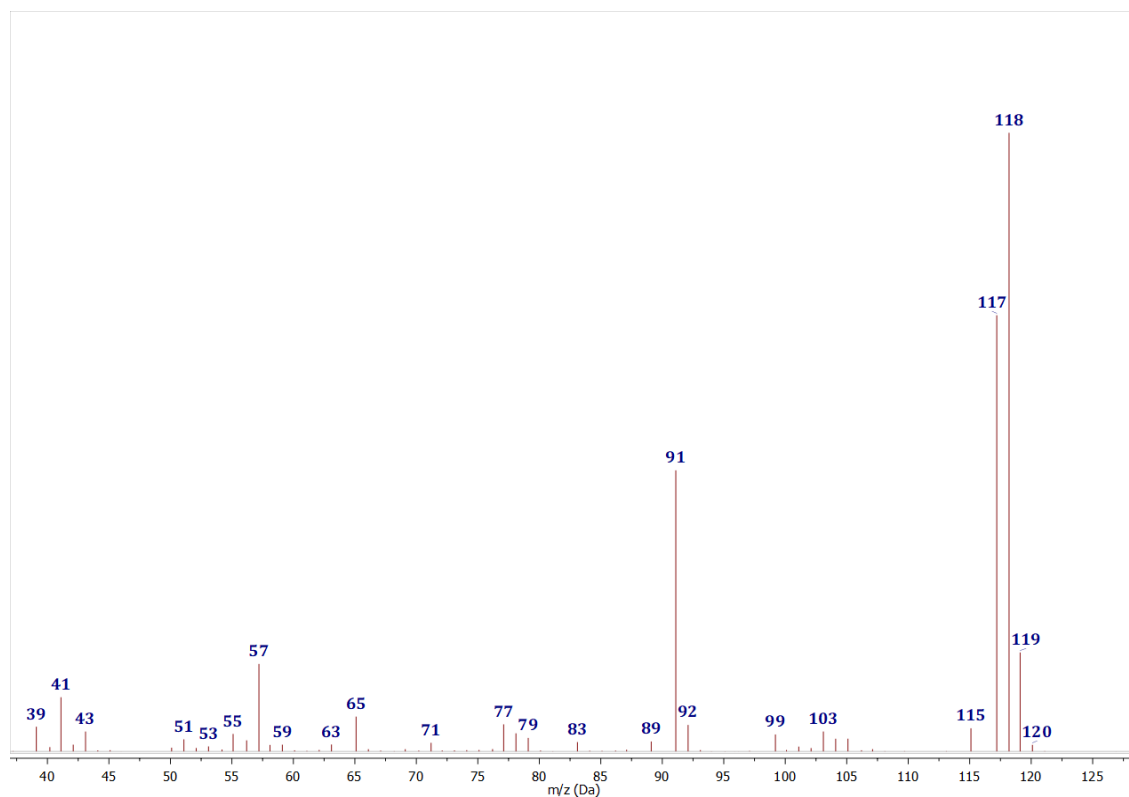


Figure S82. Mass spectrum of 3-phenylpropyl 2,3-dimethylbutanoate (**4d**)

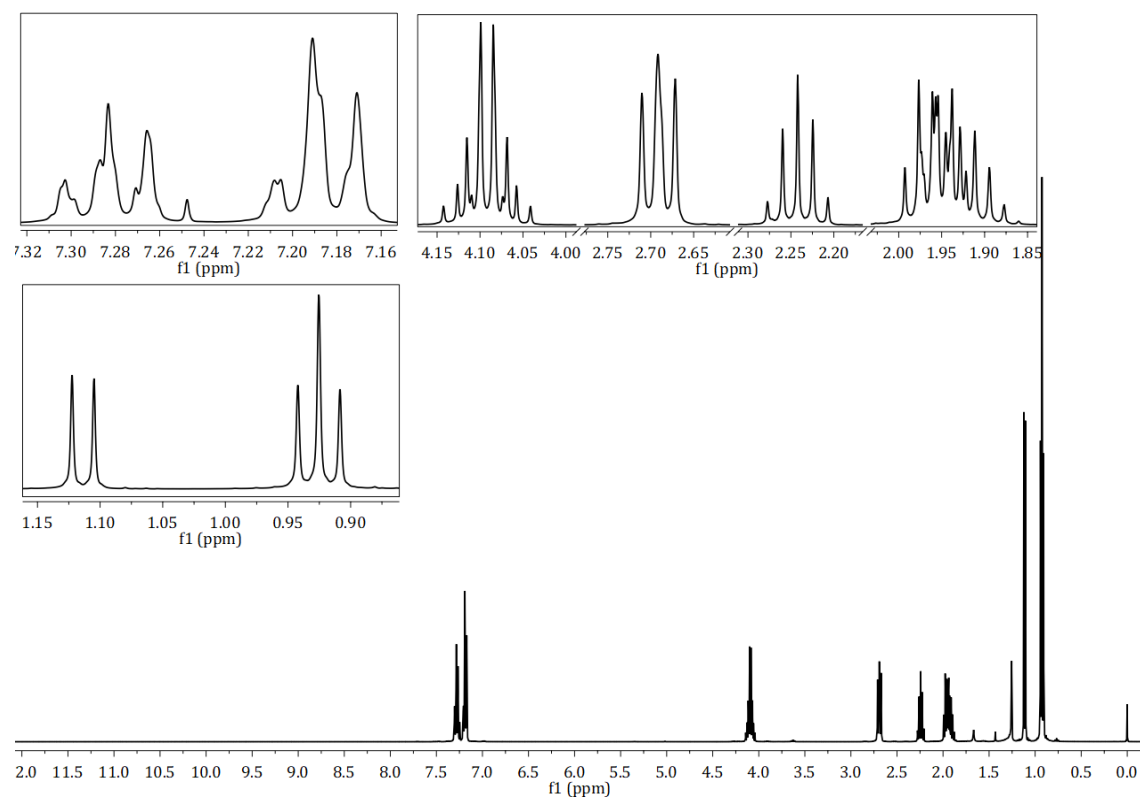


Figure S83. ^1H NMR spectrum of 3-phenylpropyl 2,3-dimethylbutanoate (**4d**) recorded in CDCl_3

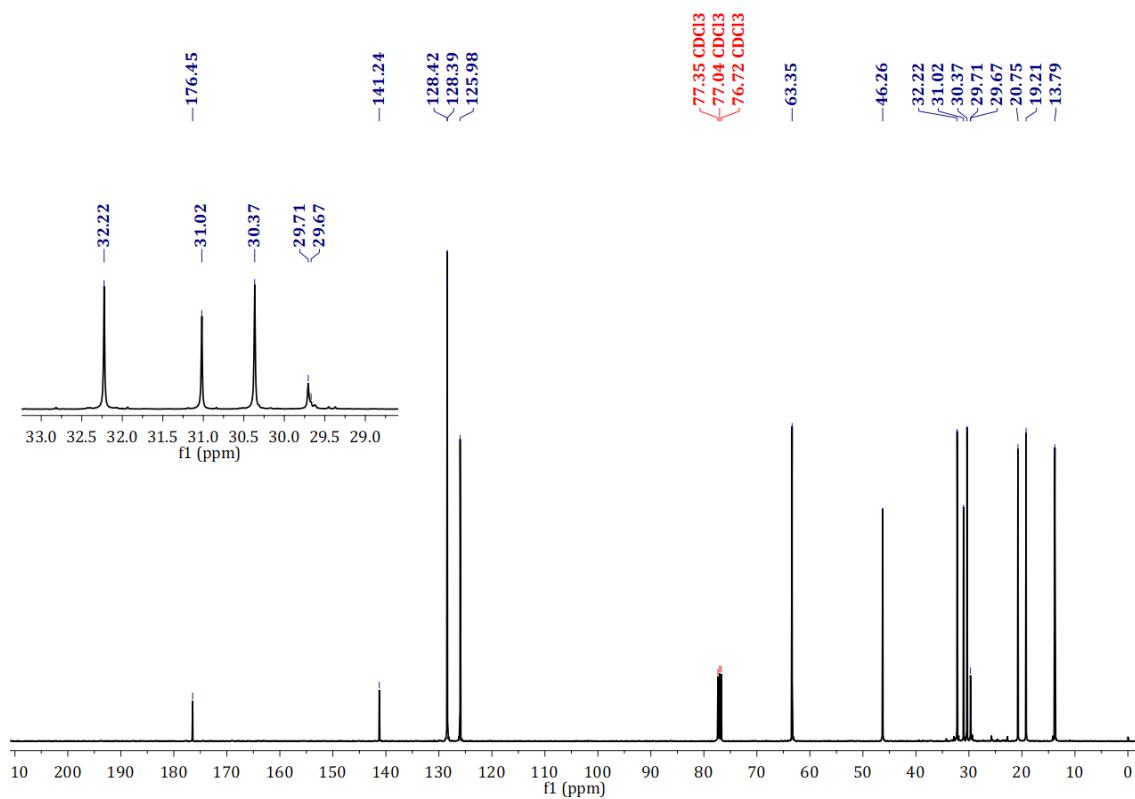


Figure S84. ¹³C NMR spectrum of 3-phenylpropyl 2,3-dimethylbutanoate (**4d**) recorded in CDCl₃

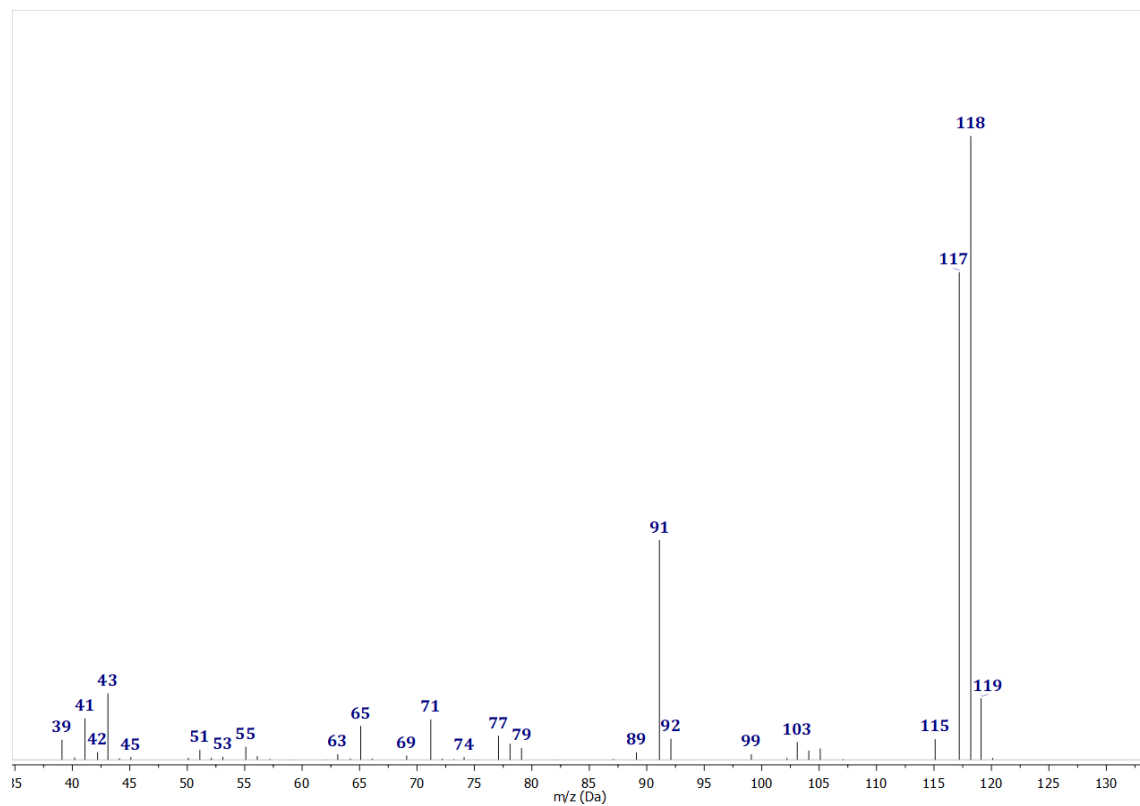


Figure S85. Mass spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

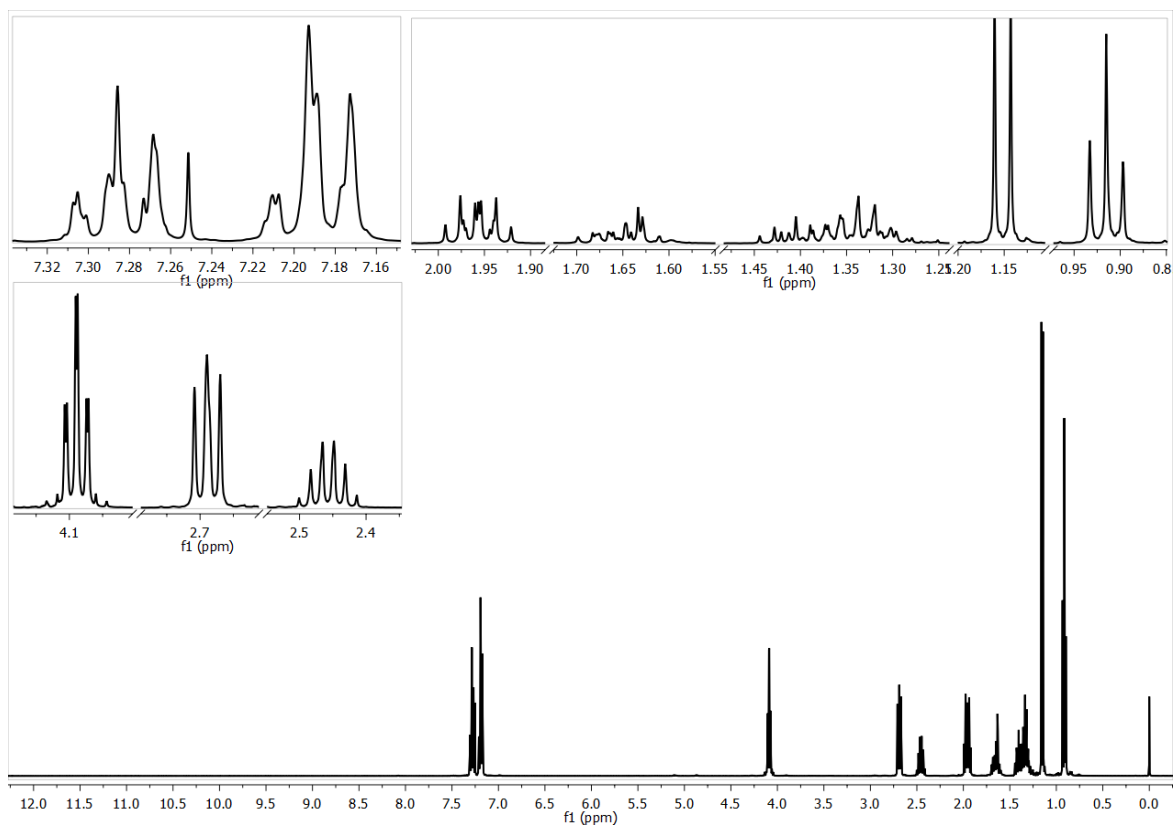


Figure S86a. ^1H NMR spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**) recorded in CDCl_3

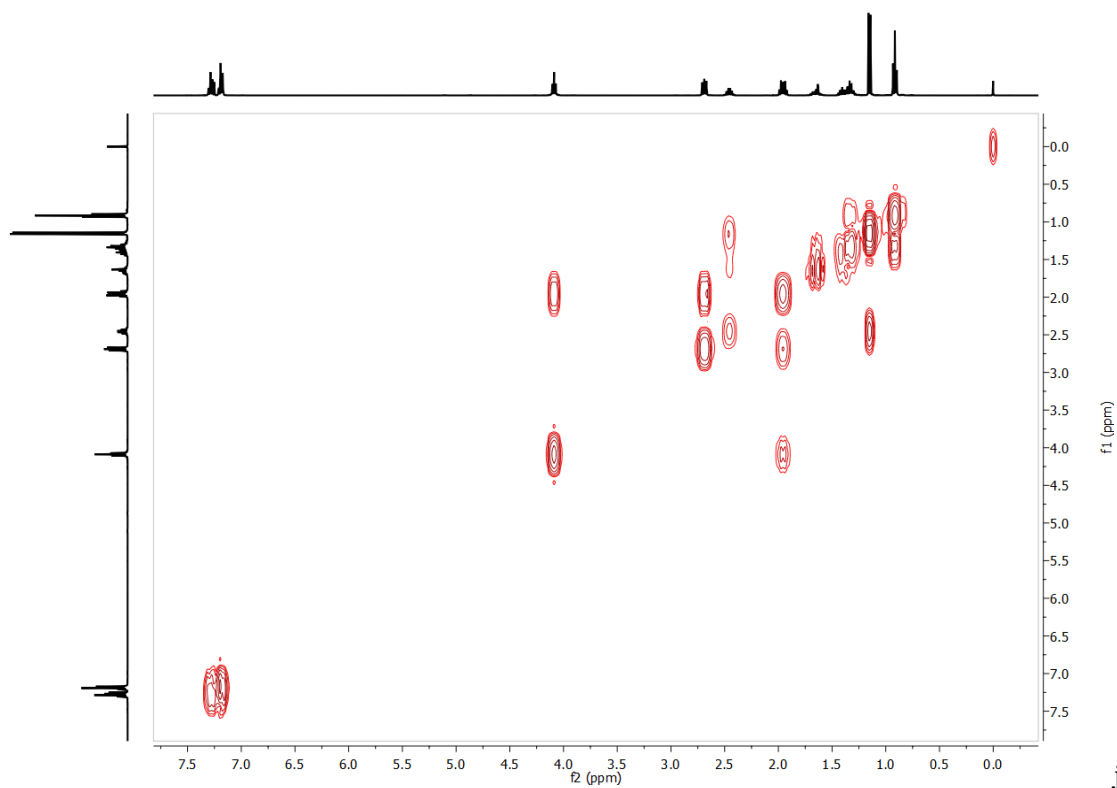


Figure S86b. ^1H – ^1H COSY spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

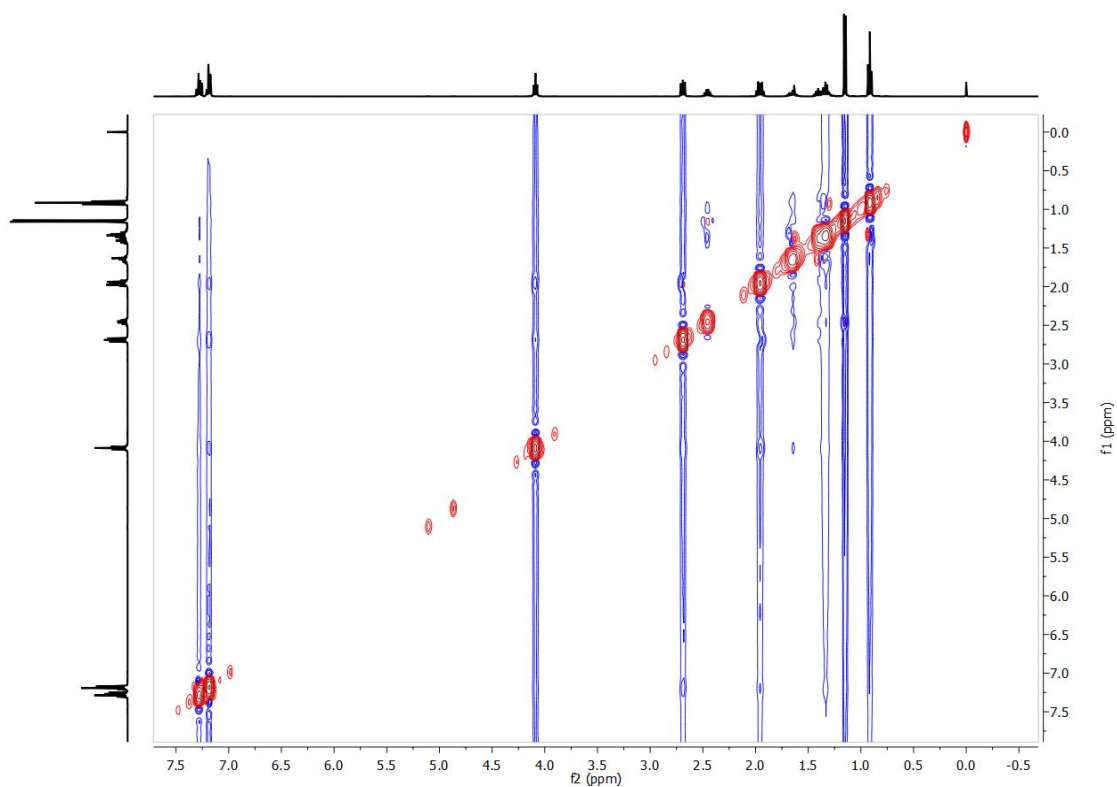


Figure S86c. NOESY spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

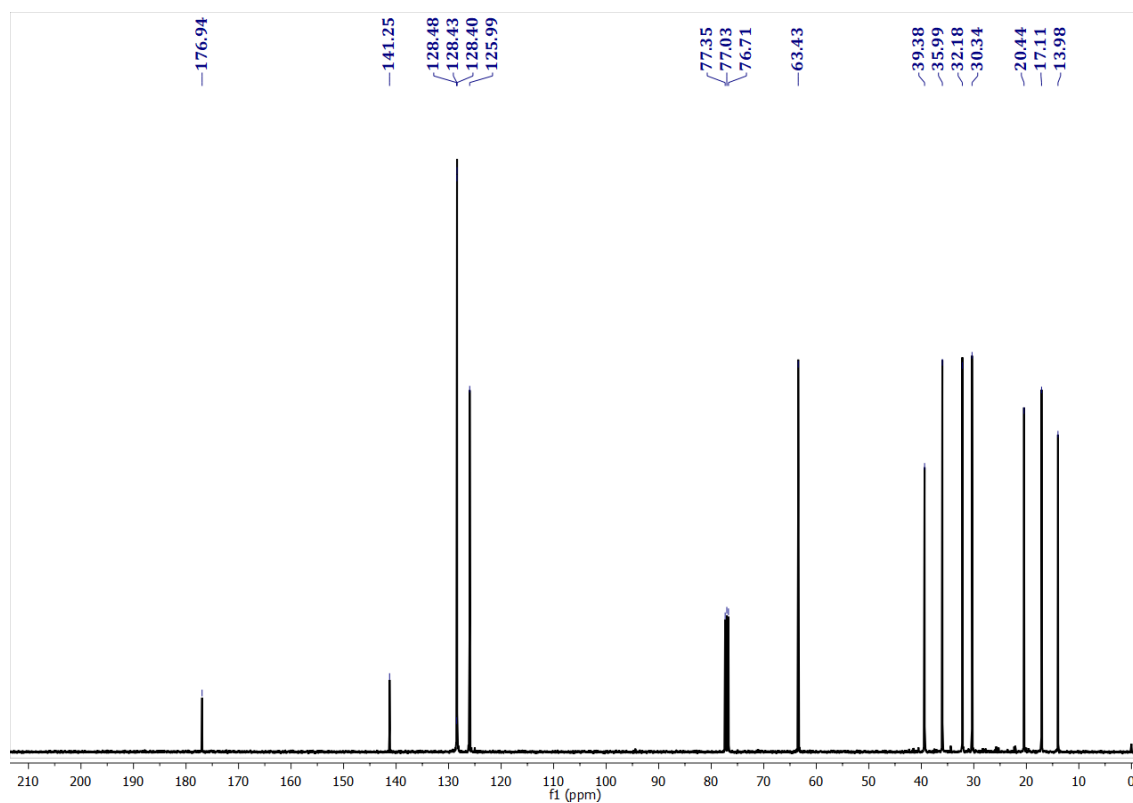


Figure S87a. ^{13}C NMR spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**) recorded in CDCl_3

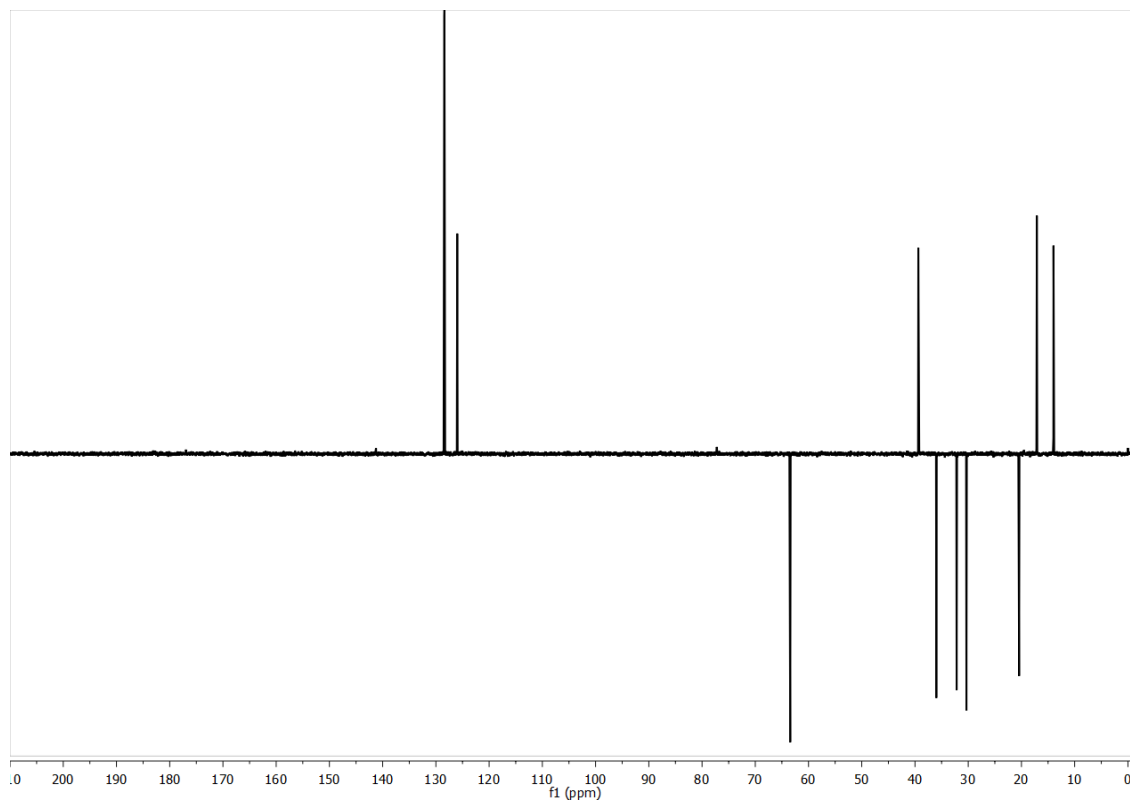


Figure S87b. DEPT 135 spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

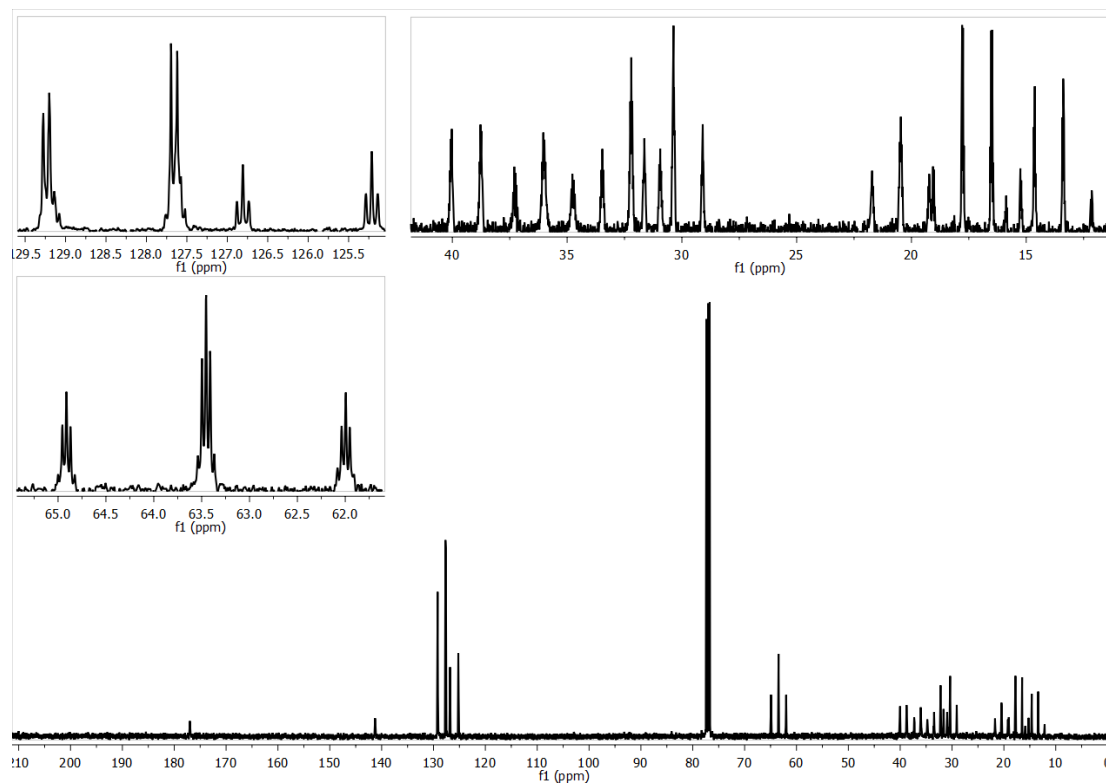


Figure S87c. Proton-coupled ^{13}C NMR spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

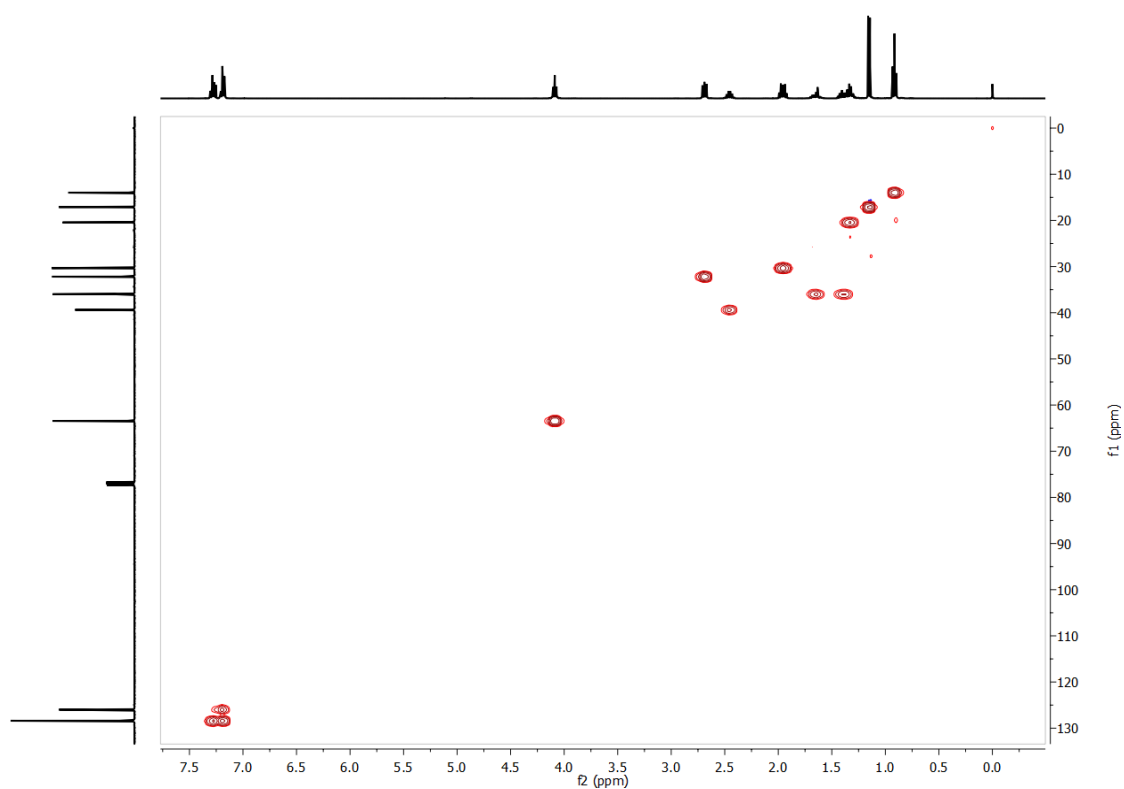


Figure S87d. grHSQC spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

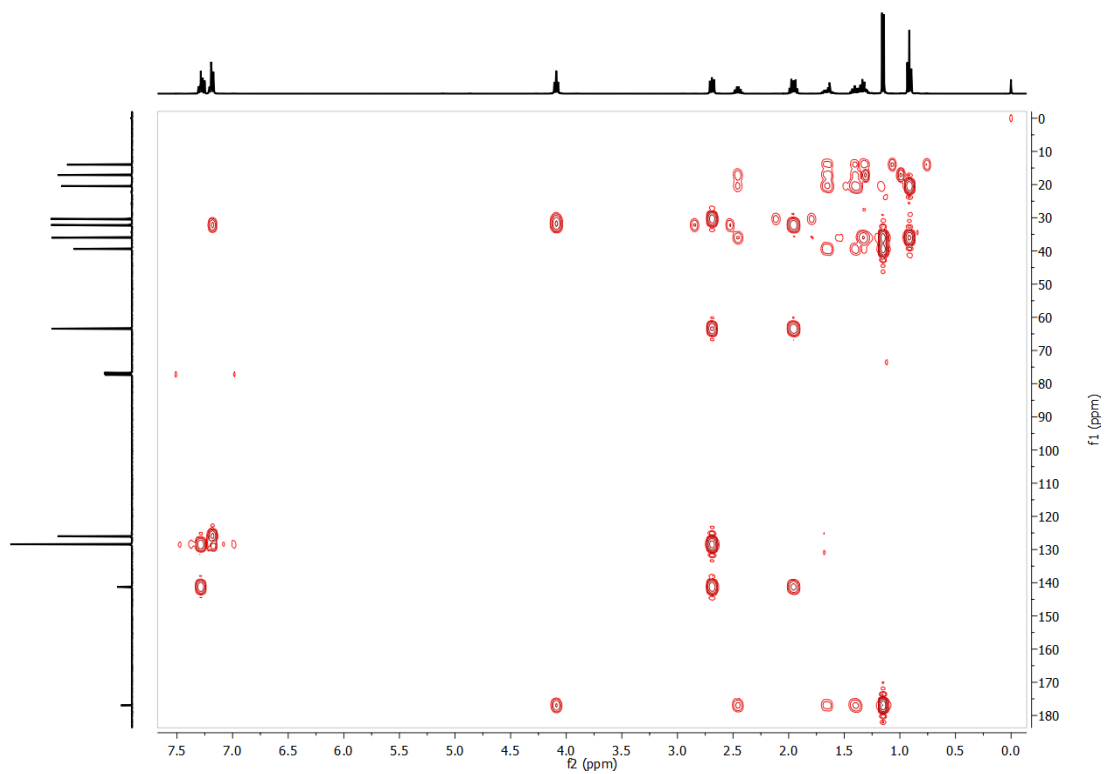


Figure S87e. grHMBC spectrum of 3-phenylpropyl 2-methylpentanoate (**4e**)

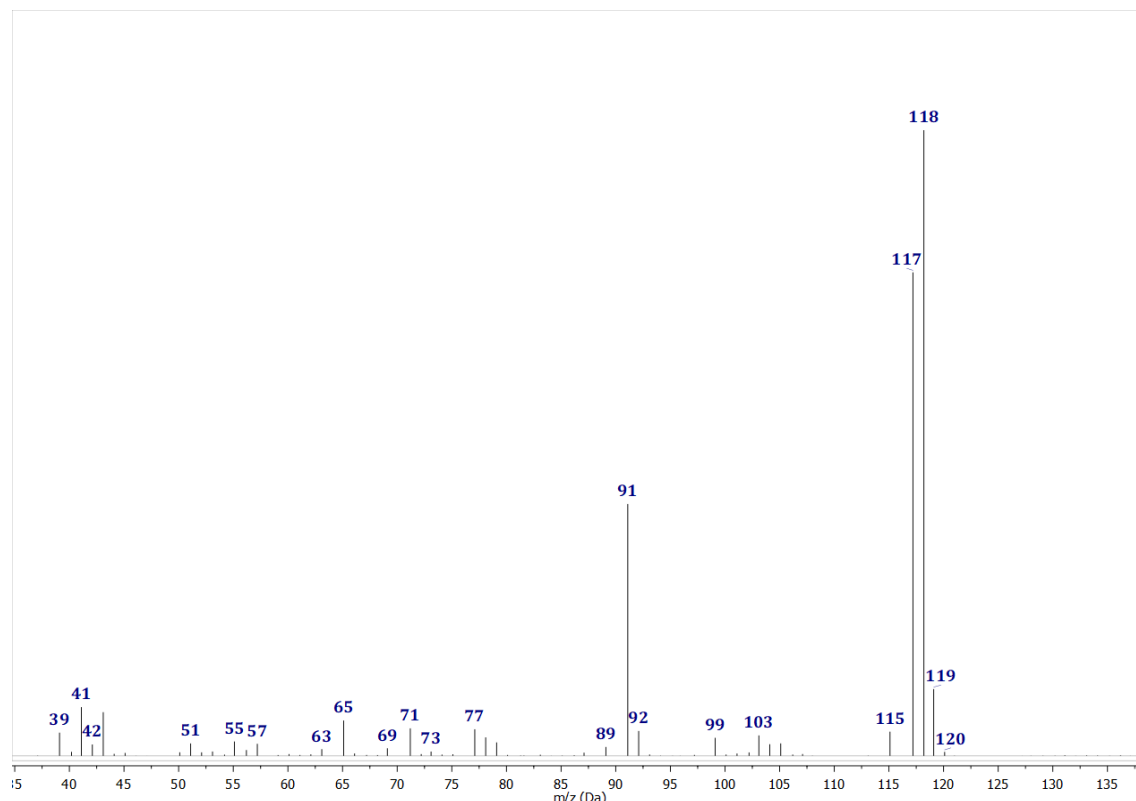


Figure S88. Mass spectrum of 3-phenylpropyl 3-methylpentanoate (**4f**)

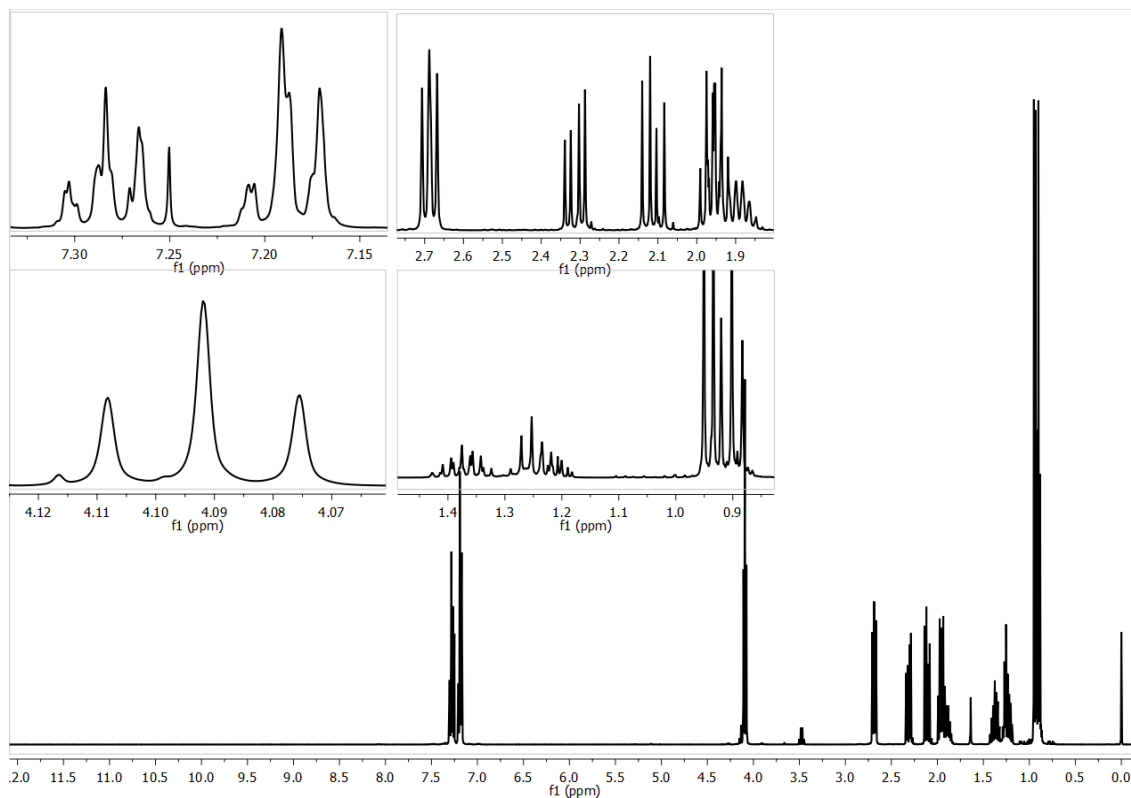


Figure S89. ^1H NMR spectrum of 3-phenylpropyl 3-methylpentanoate (**4f**) recorded in CDCl_3

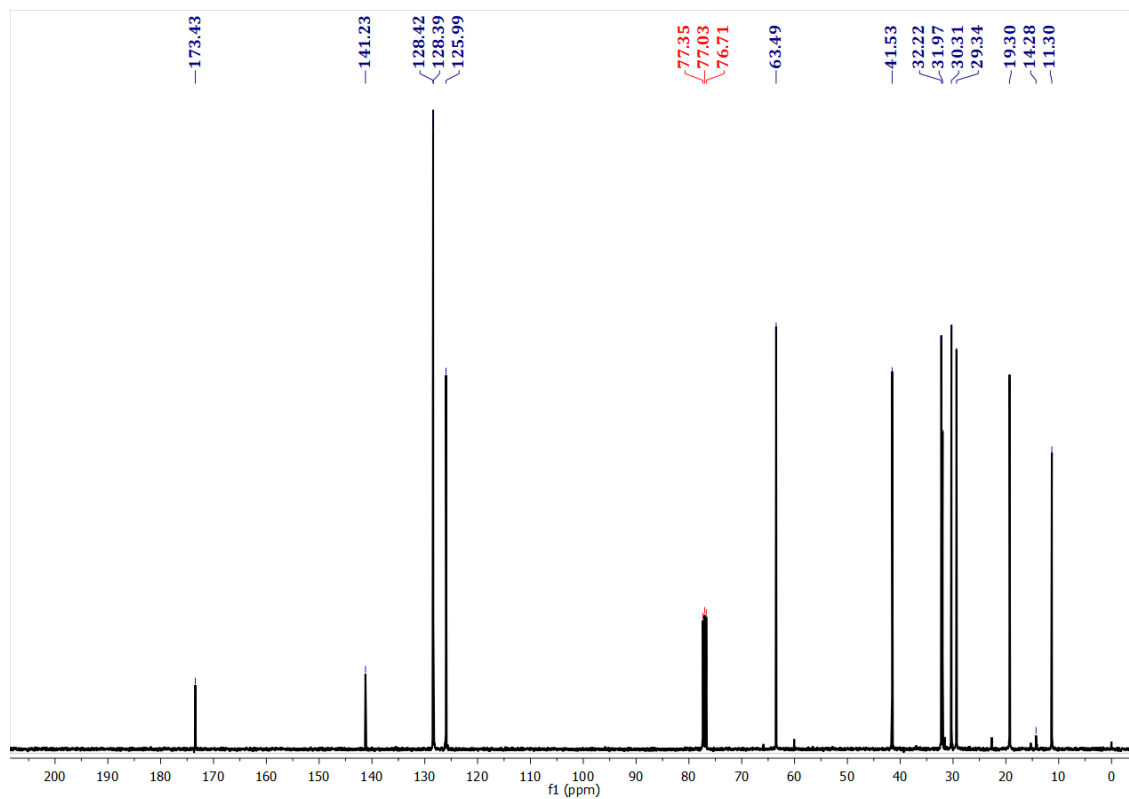


Figure S90. ^{13}C NMR spectrum of 3-phenylpropyl 3-methylpentanoate (**4f**) recorded in CDCl_3

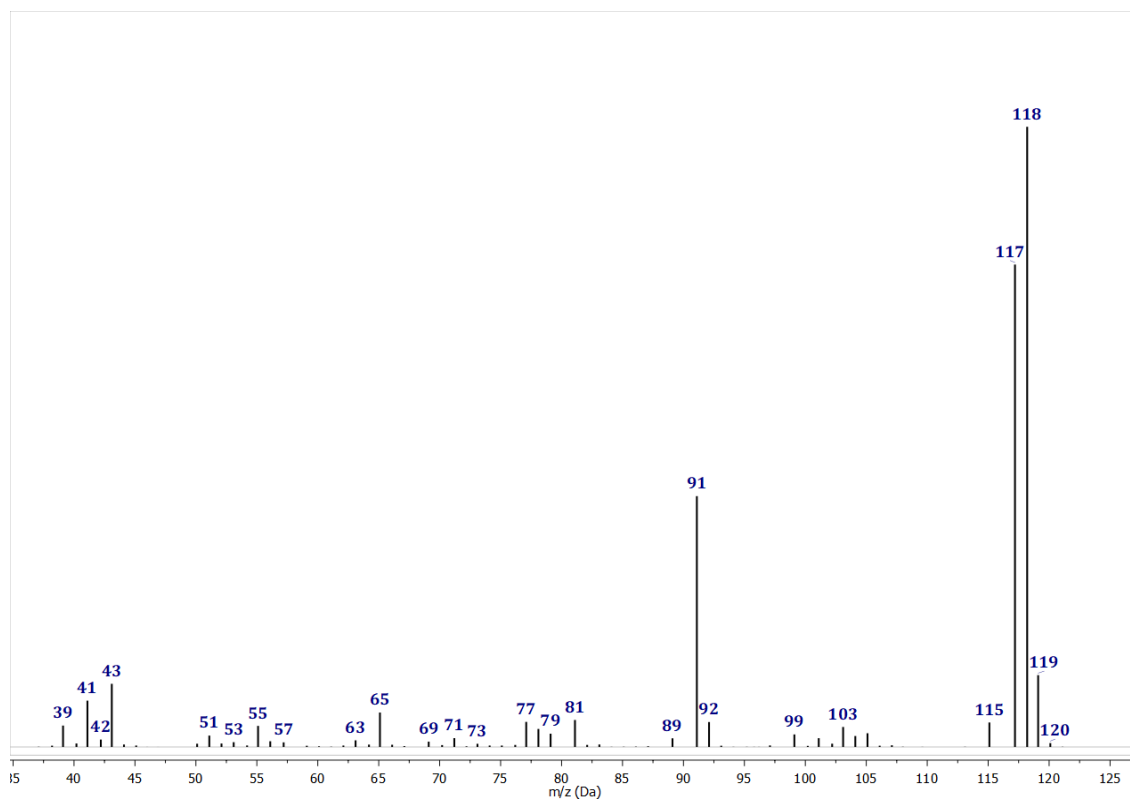


Figure S91. Mass spectrum of 3-phenylpropyl 4-methylpentanoate (**4g**)

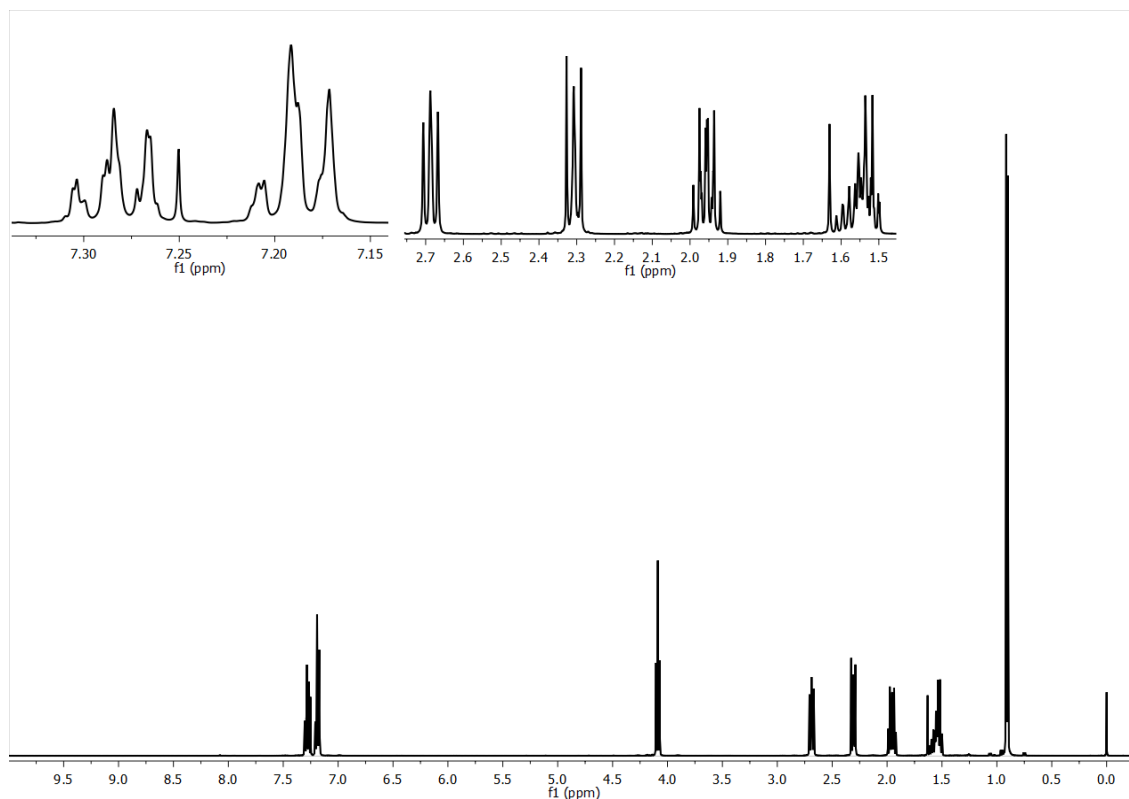


Figure S92. ¹H NMR spectrum of 3-phenylpropyl 4-methylpentanoate (**4g**) recorded in CDCl₃

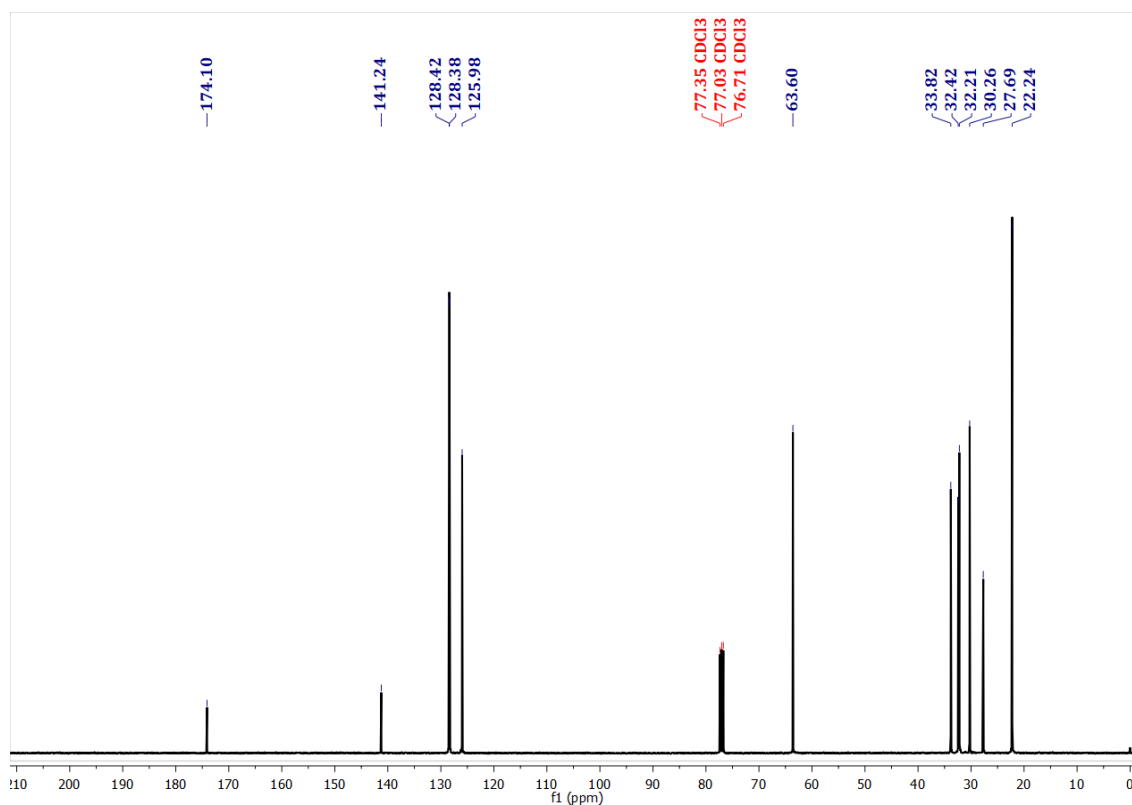


Figure S93. ¹³C NMR spectrum of 3-phenylpropyl 4-methylpentanoate (**4g**) recorded in CDCl₃

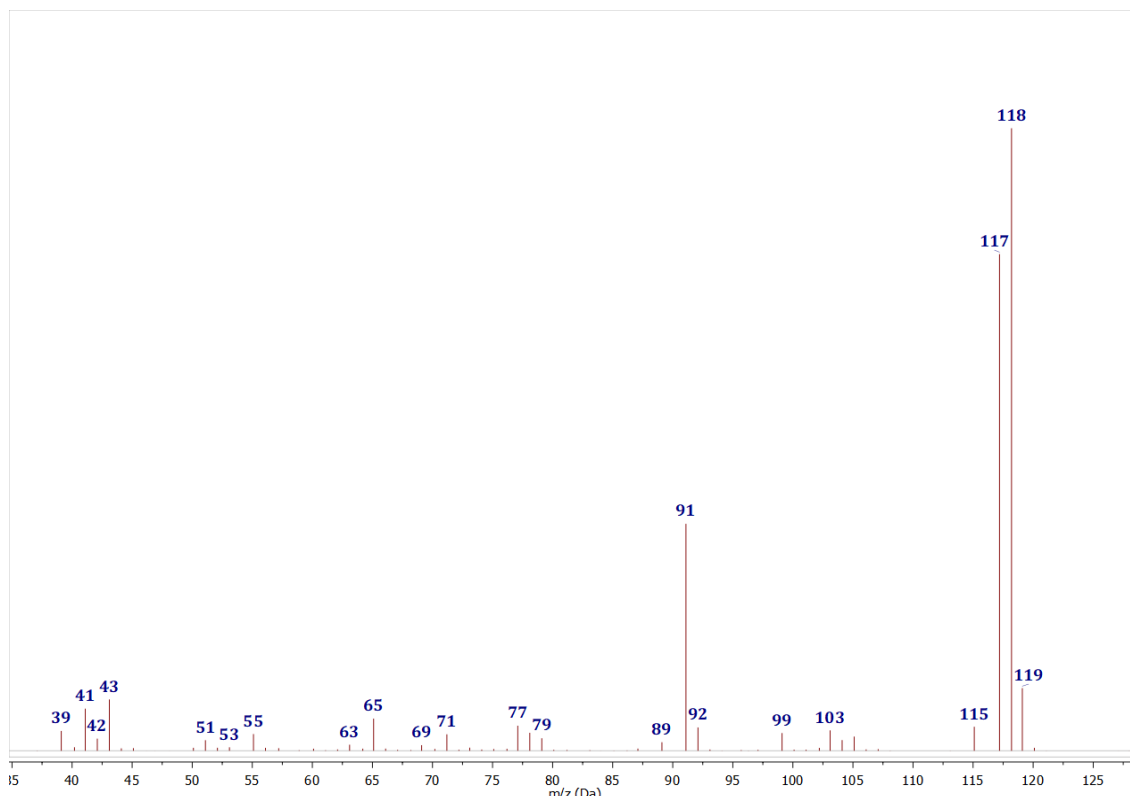


Figure S94. Mass spectrum of 3-phenylpropyl hexanoate (**4h**)

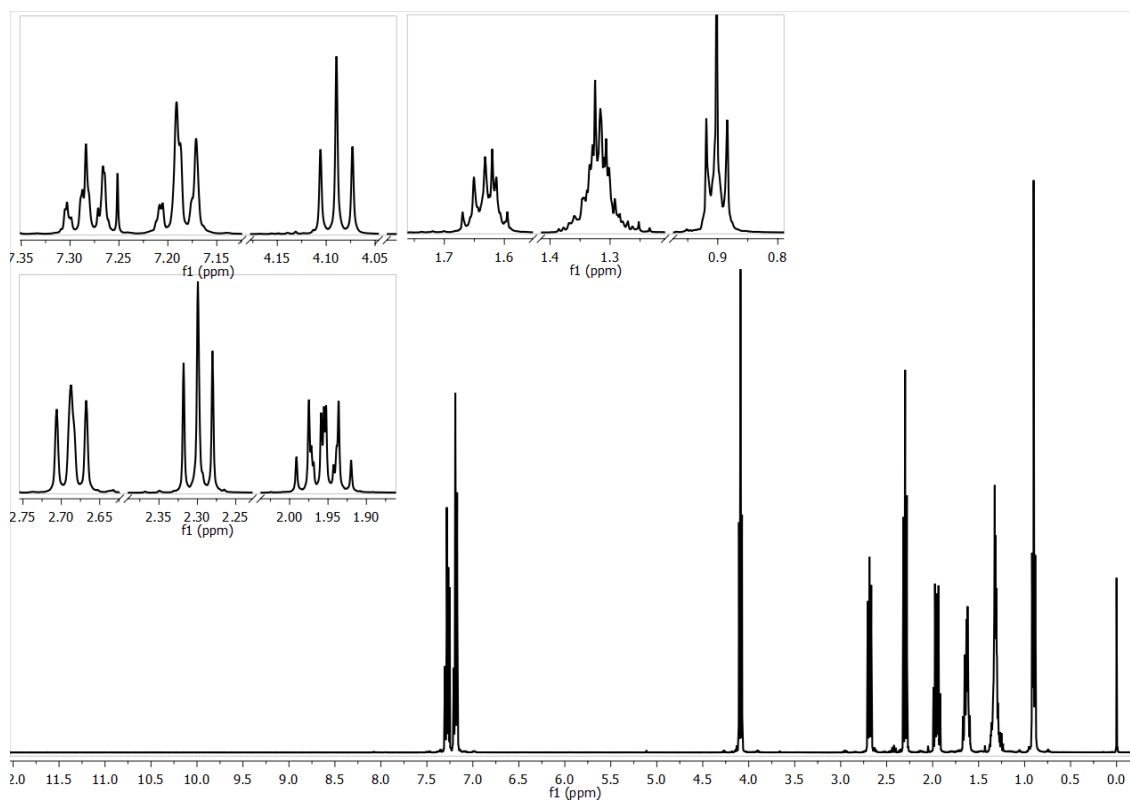


Figure S95. ^1H NMR spectrum of 3-phenylpropyl hexanoate (**4h**) recorded in CDCl_3

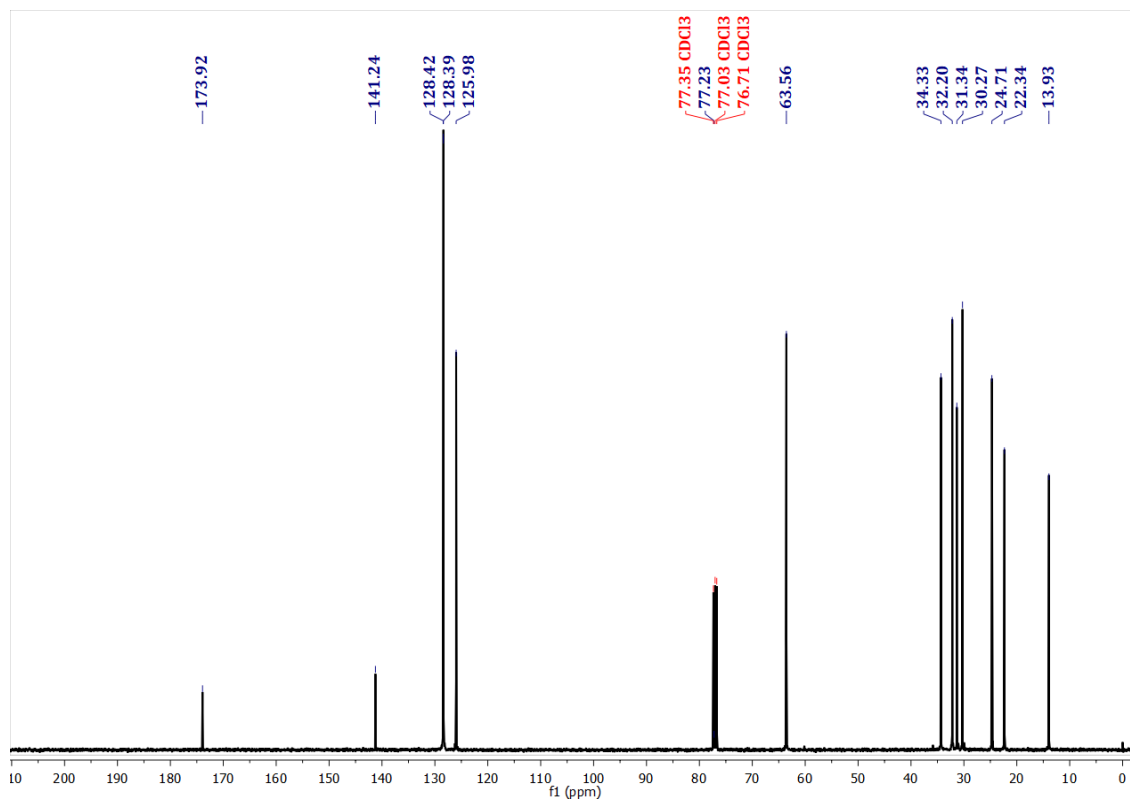


Figure S96. ¹³C NMR spectrum of 3-phenylpropyl hexanoate (**4h**) recorded in CDCl₃

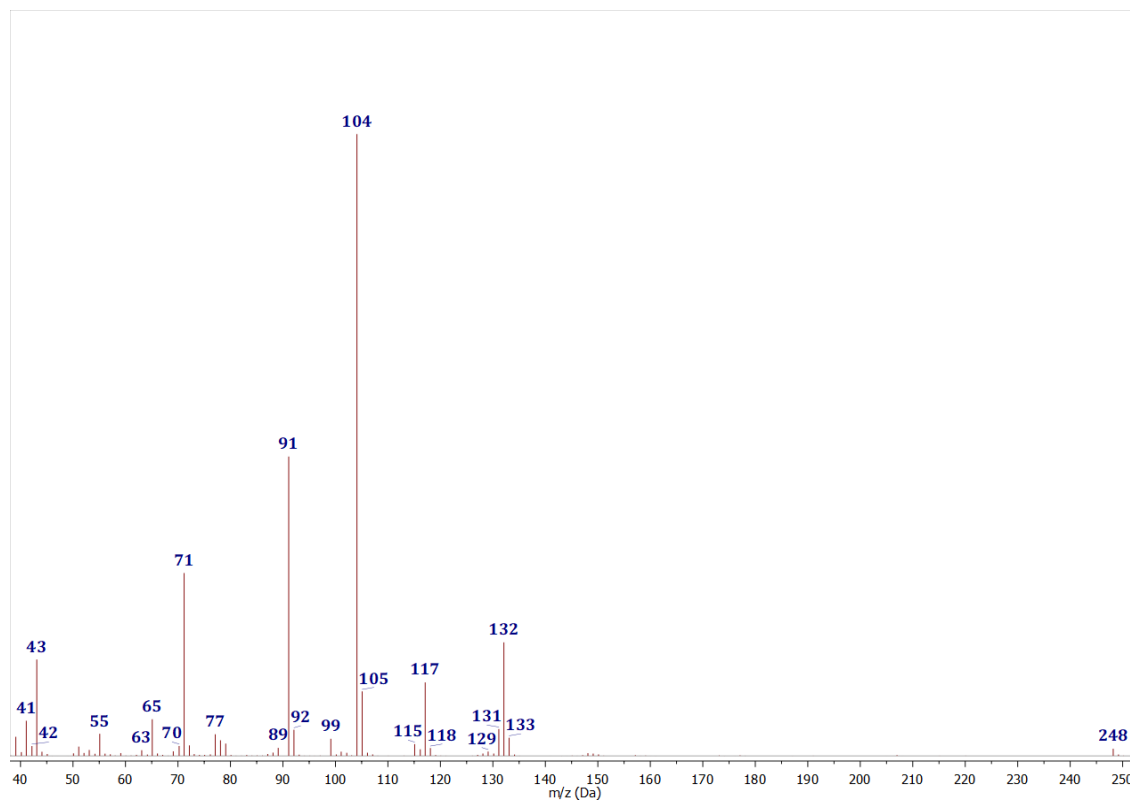


Figure S97. Mass spectrum of 4-phenylbutyl 2-ethylbutanoate (**5a**)

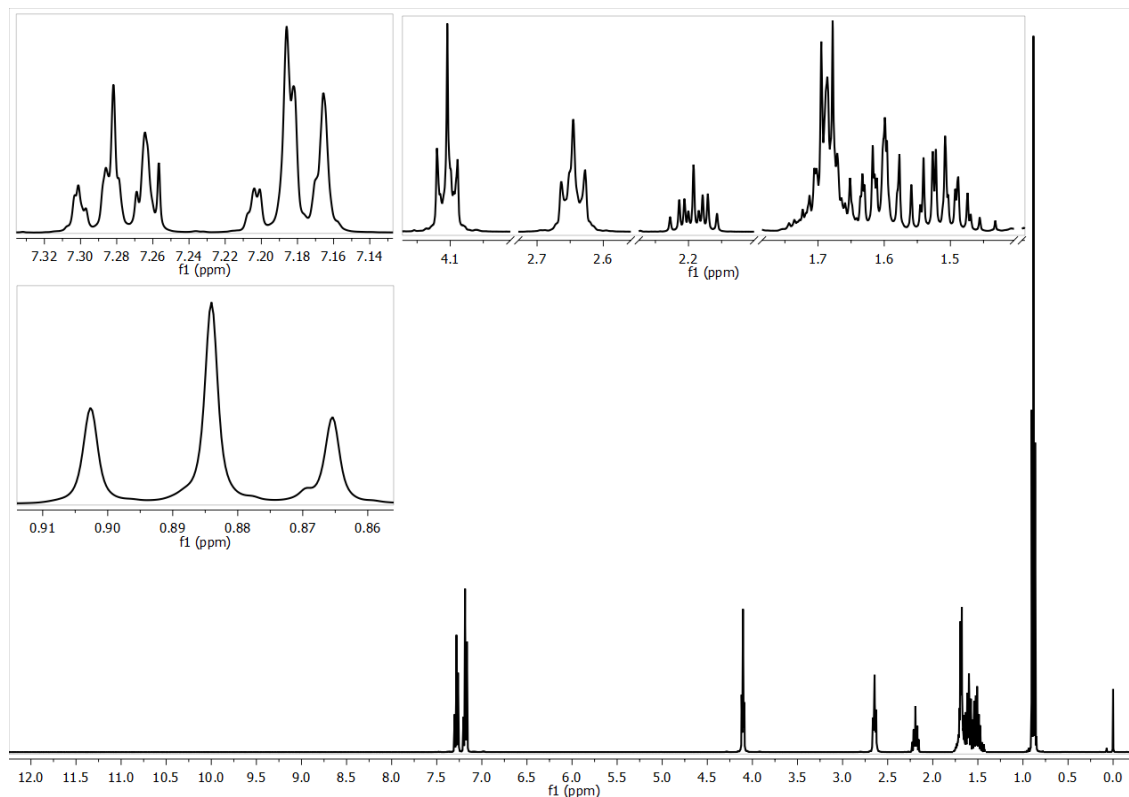


Figure S98. ¹H NMR spectrum of 4-phenylbutyl 2-ethylbutanoate (**5a**) recorded in CDCl₃

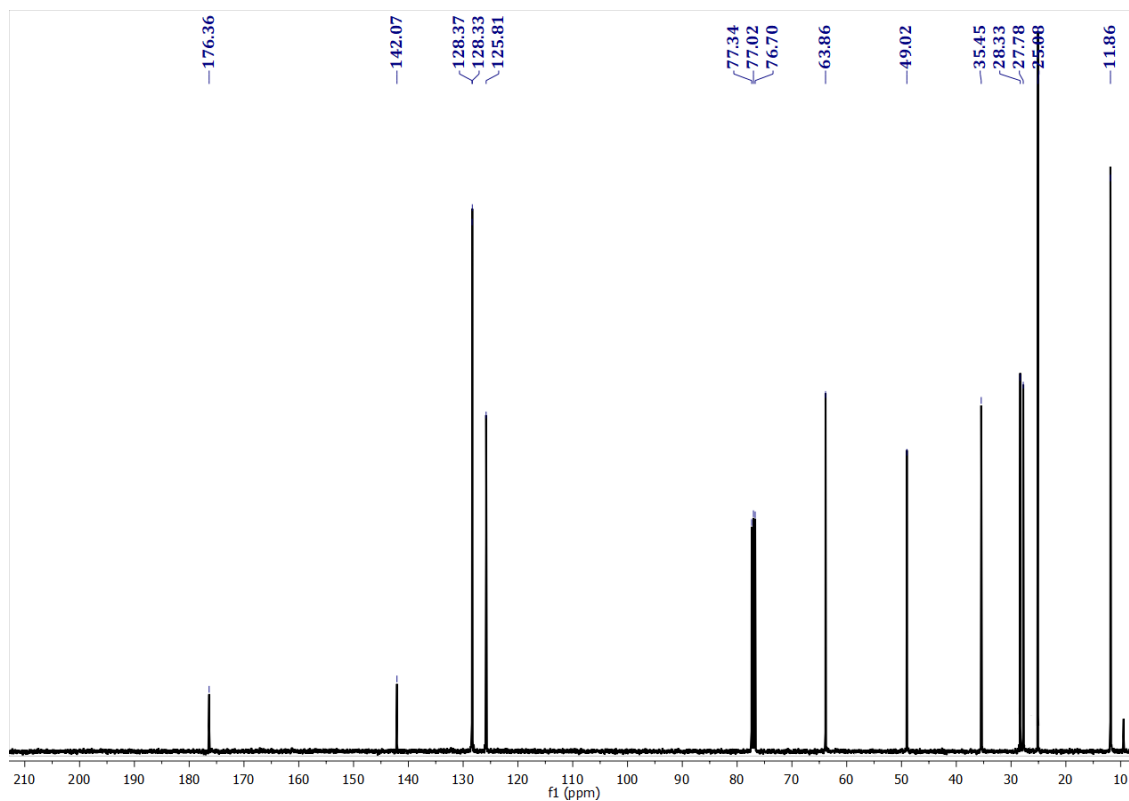


Figure S99. ¹³C NMR spectrum of 4-phenylbutyl 2-ethylbutanoate (**5a**) recorded in CDCl₃

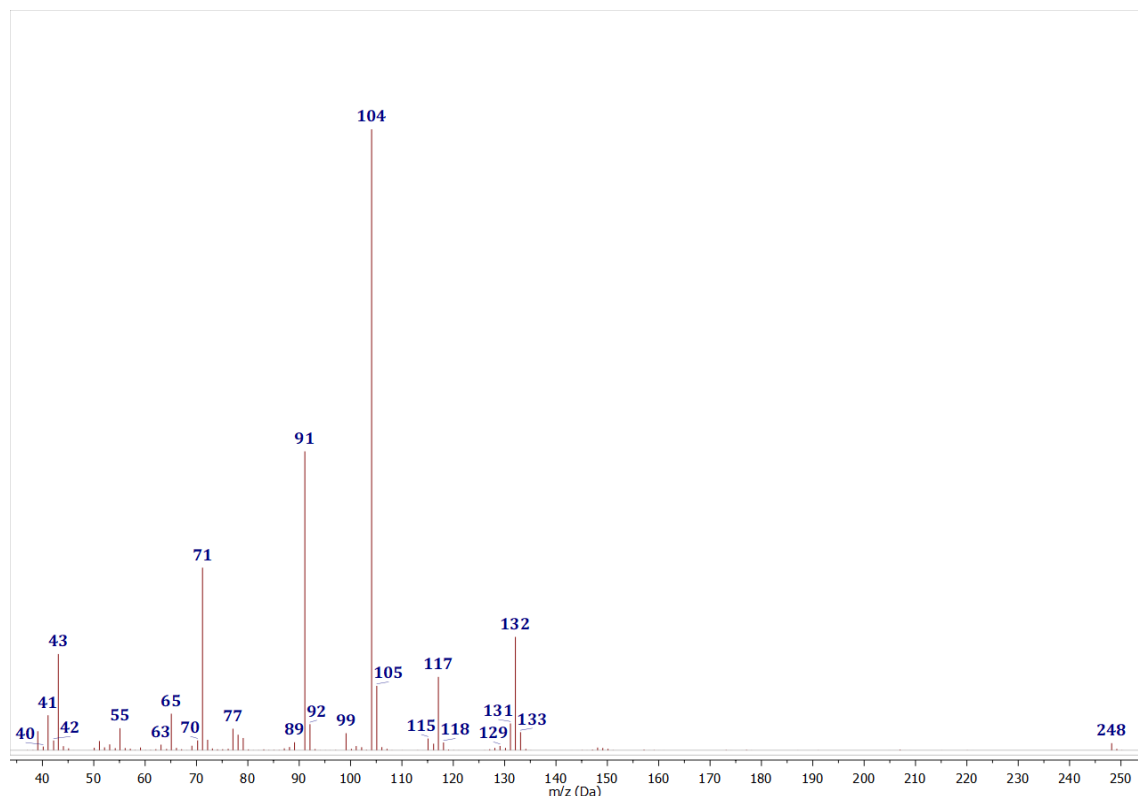


Figure S100. Mass spectrum of 4-phenylbutyl 2,2-dimethylbutanoate (**5b**)

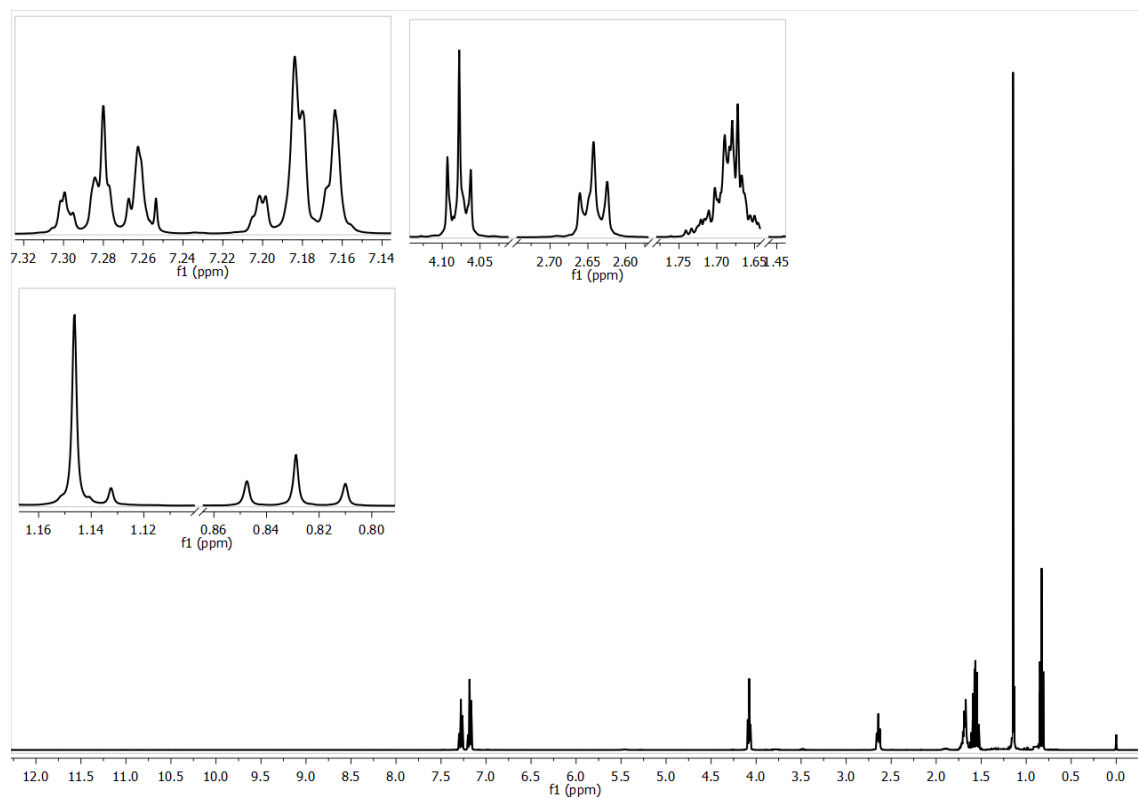


Figure S101. ^1H NMR spectrum of 4-phenylbutyl 2,2-dimethylbutanoate (**5b**) recorded in CDCl_3

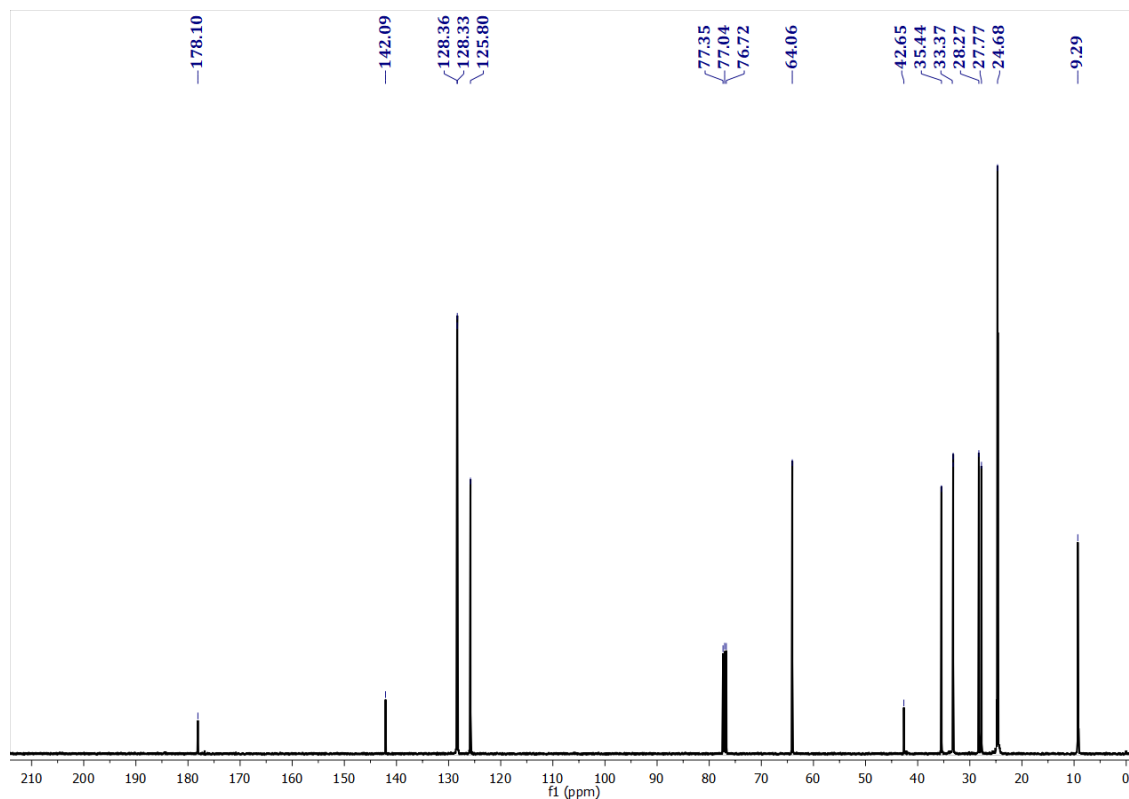


Figure S102. ¹³C NMR spectrum of 4-phenylbutyl 2,2-dimethylbutanoate (**5b**) recorded in CDCl₃

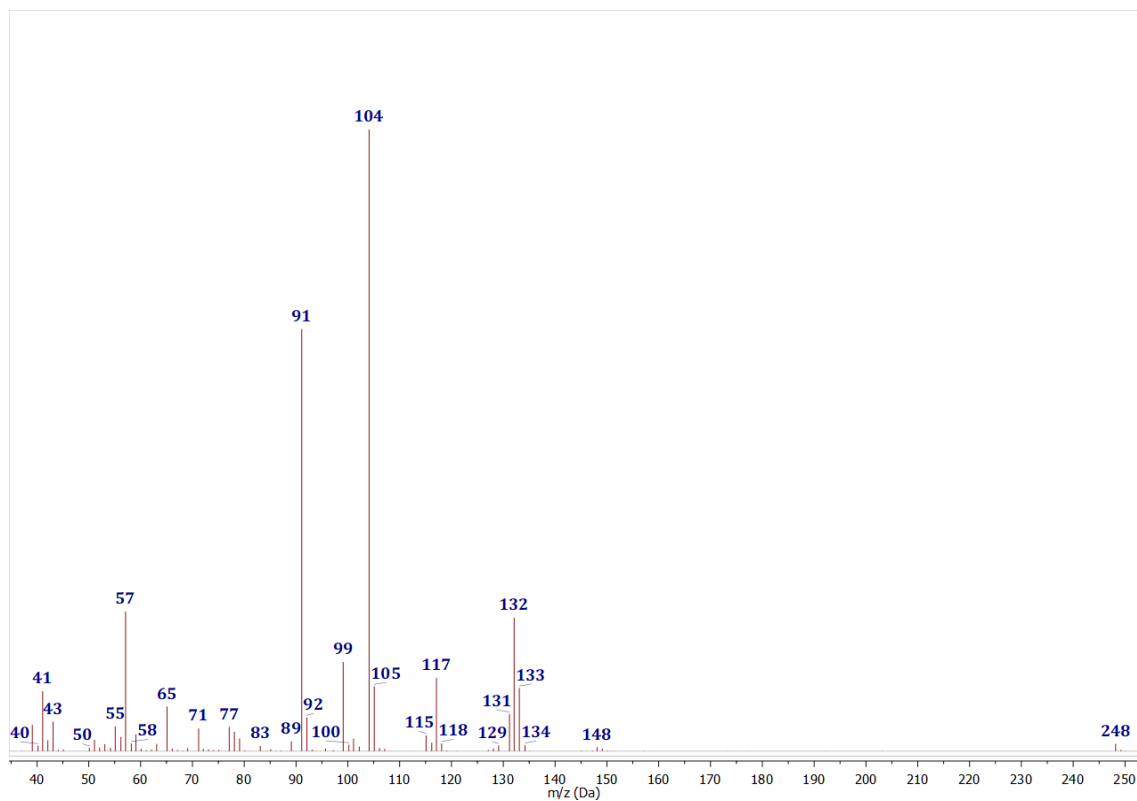


Figure S103. Mass spectrum of 4-phenylbutyl 3,3-dimethylbutanoate (**5c**)

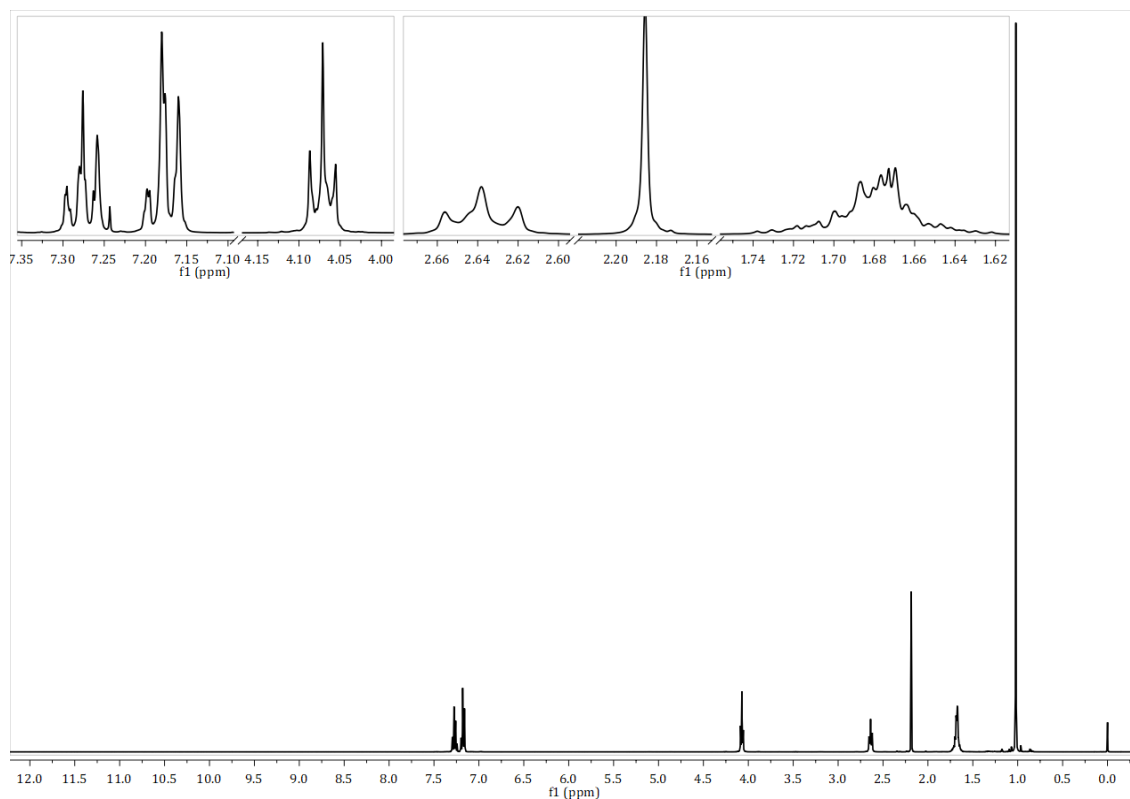


Figure S104. ^1H NMR spectrum of 4-phenylbutyl 3,3-dimethylbutanoate (**5c**) recorded in CDCl_3

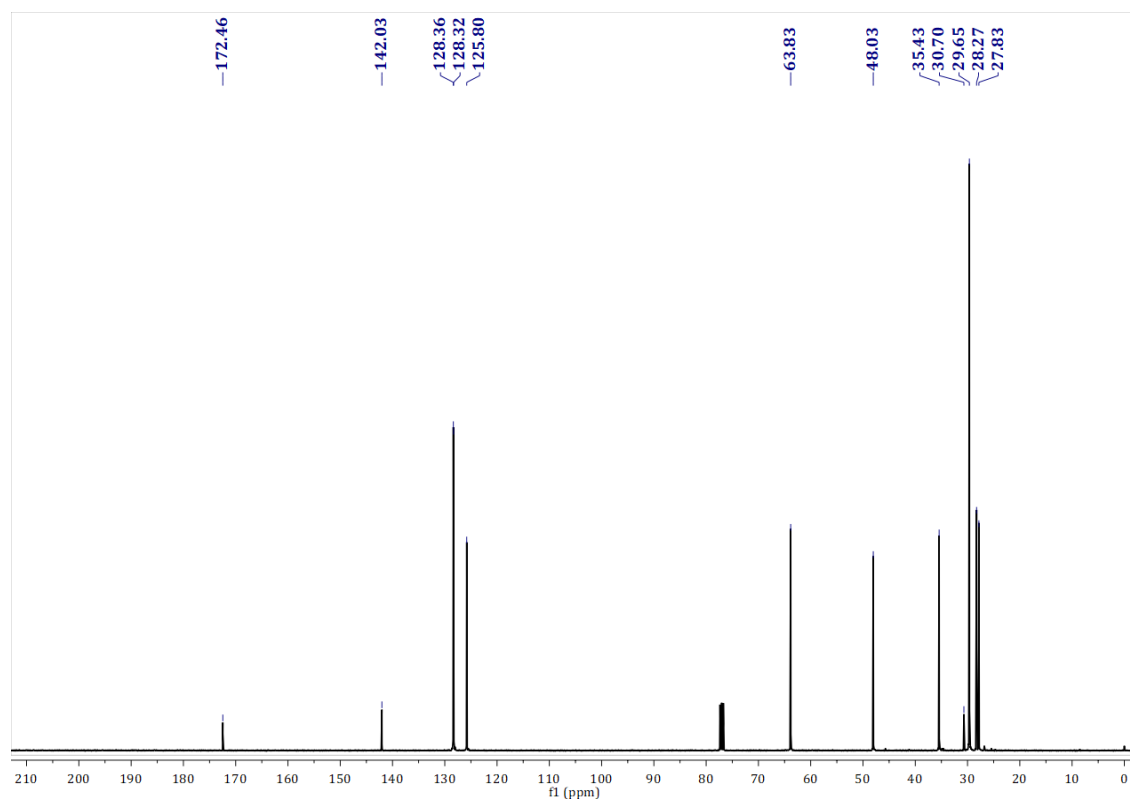


Figure S105. ^{13}C NMR spectrum of 4-phenylbutyl 3,3-dimethylbutanoate (**5c**) recorded in CDCl_3

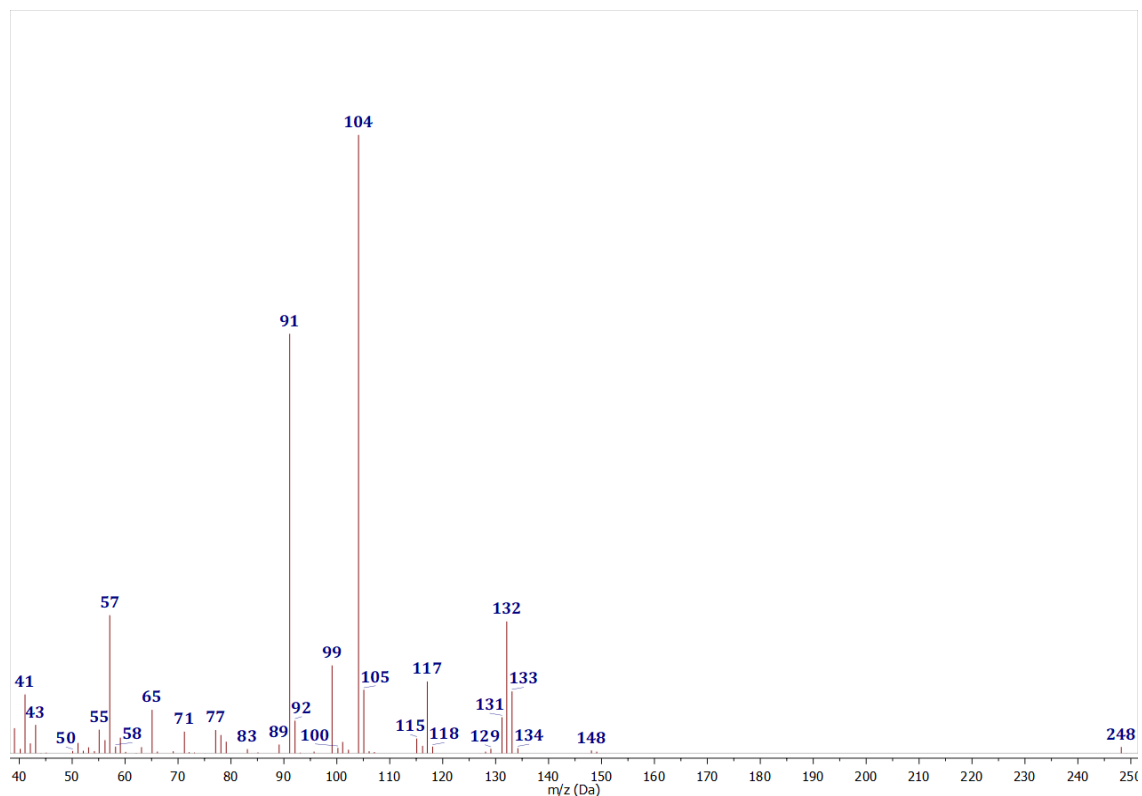


Figure S106. Mass spectrum of 4-phenylbutyl 2,3-dimethylbutanoate (**5d**)

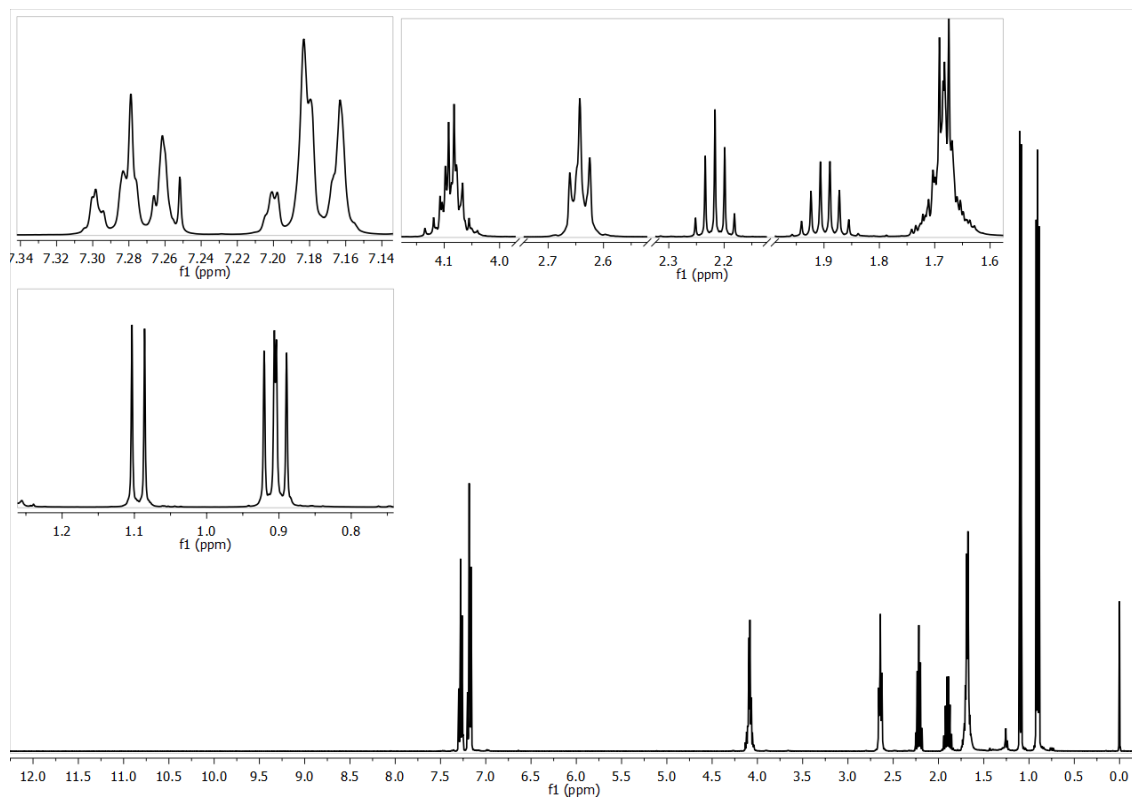


Figure S107. ^1H NMR spectrum of 4-phenylbutyl 2,3-dimethylbutanoate (**5d**) recorded in CDCl_3

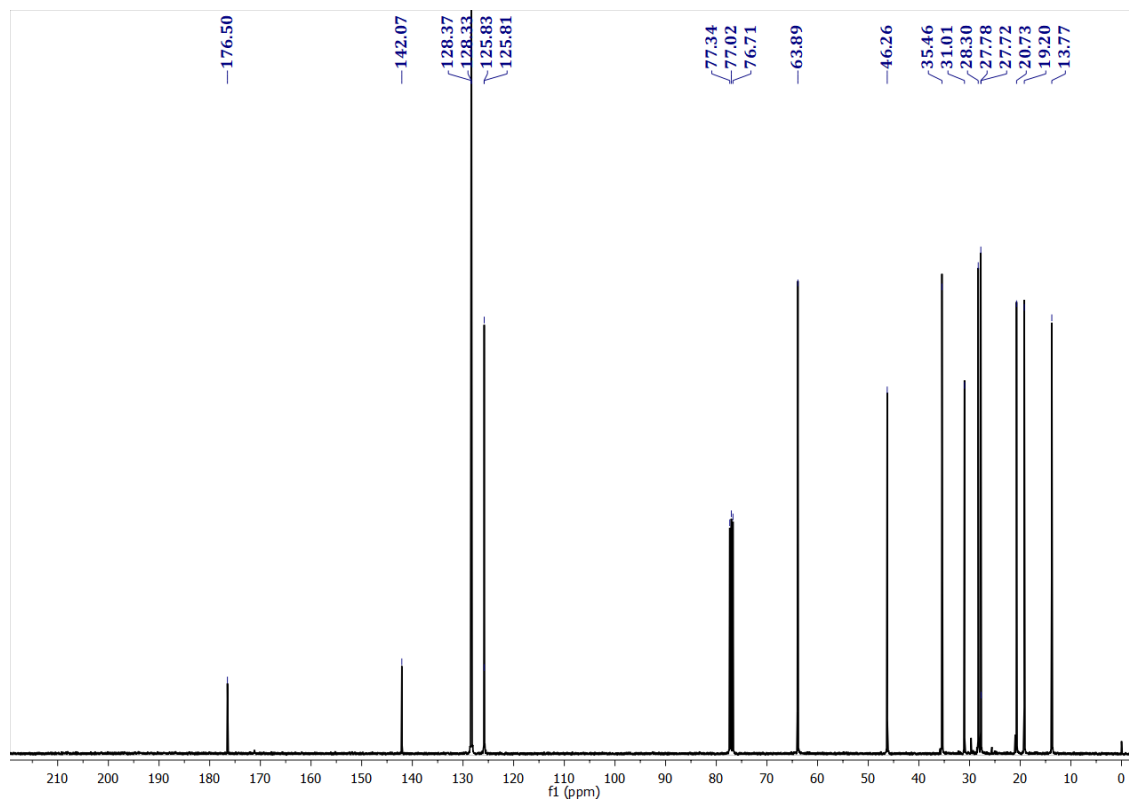


Figure S108. ¹³C NMR spectrum of 4-phenylbutyl 2,3-dimethylbutanoate (**5d**) recorded in CDCl₃

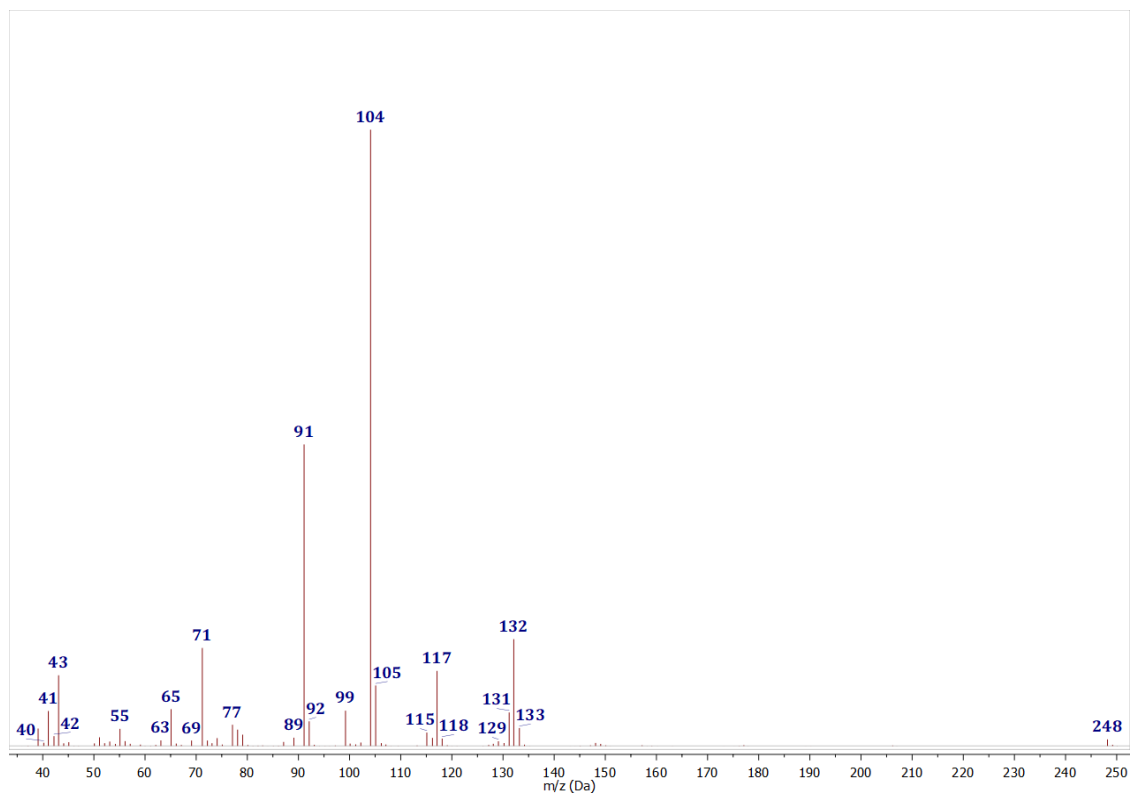


Figure S109. Mass spectrum of 4-phenylbutyl 2-methylpentanoate (**5e**)

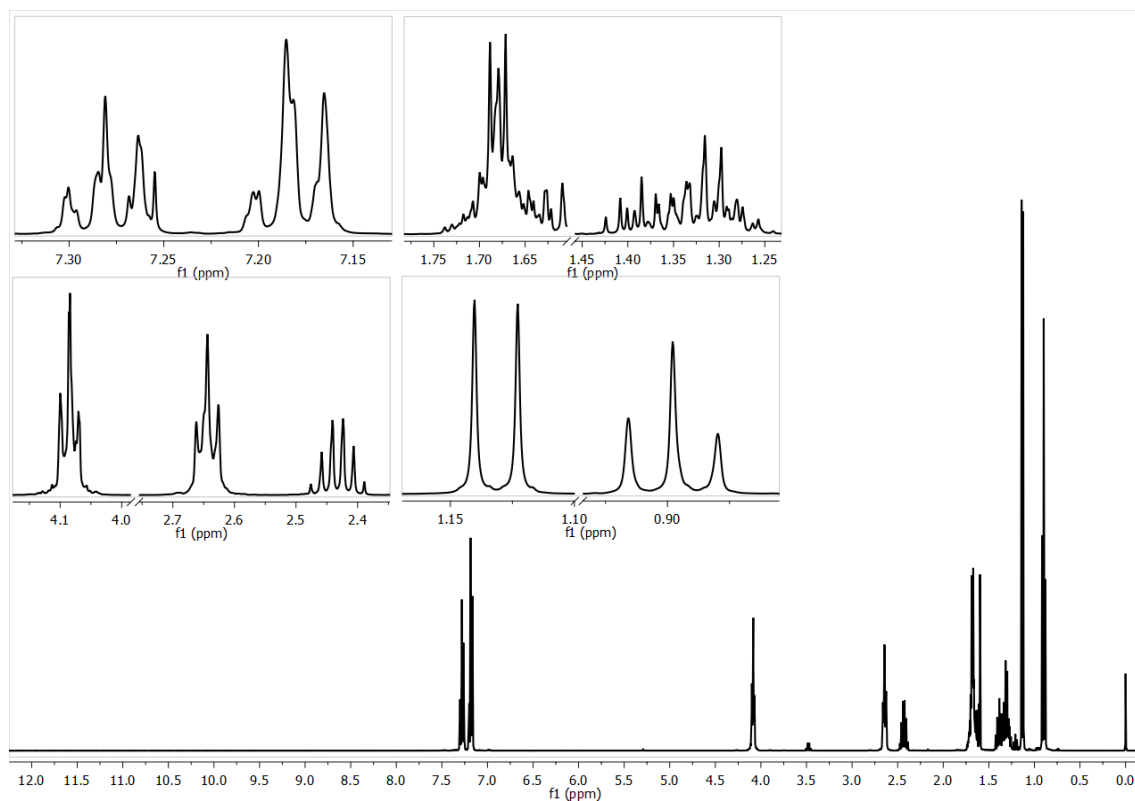


Figure S110. ^1H NMR spectrum of 4-phenylbutyl 2-methylpentanoate (**5e**) recorded in CDCl_3

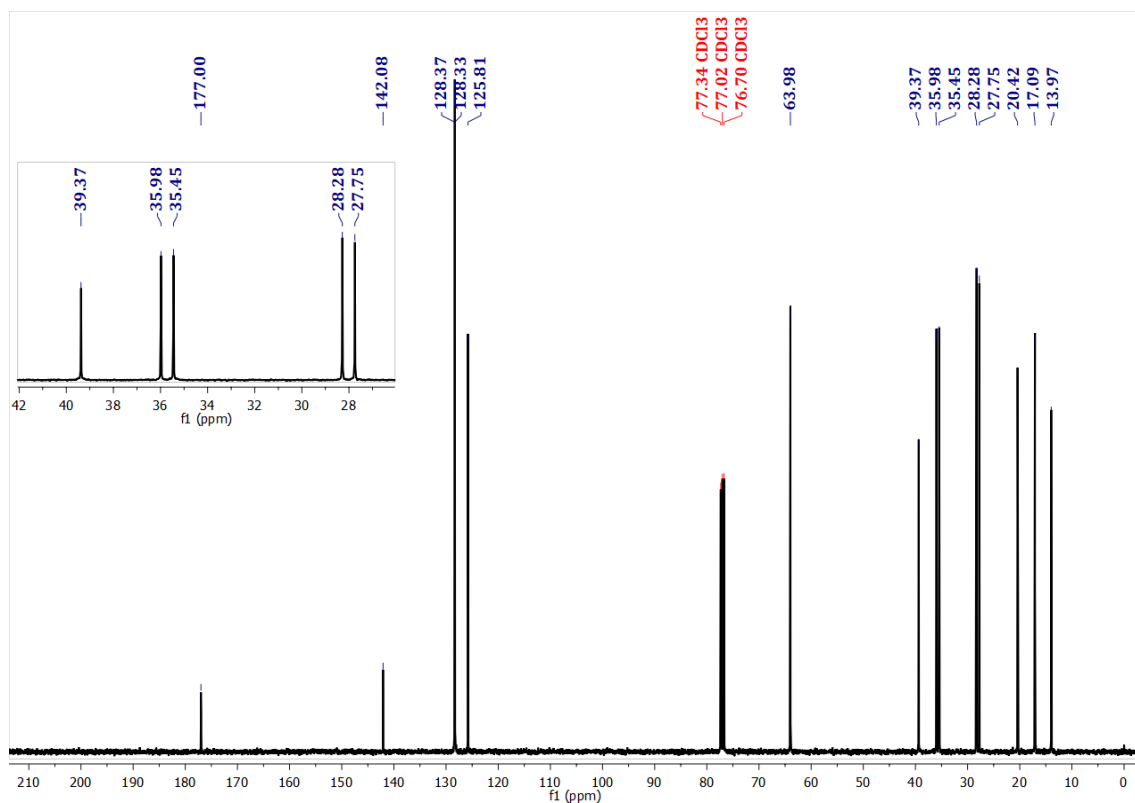


Figure S111. ^{13}C NMR spectrum of 4-phenylbutyl 2-methylpentanoate (**5e**) recorded in CDCl_3

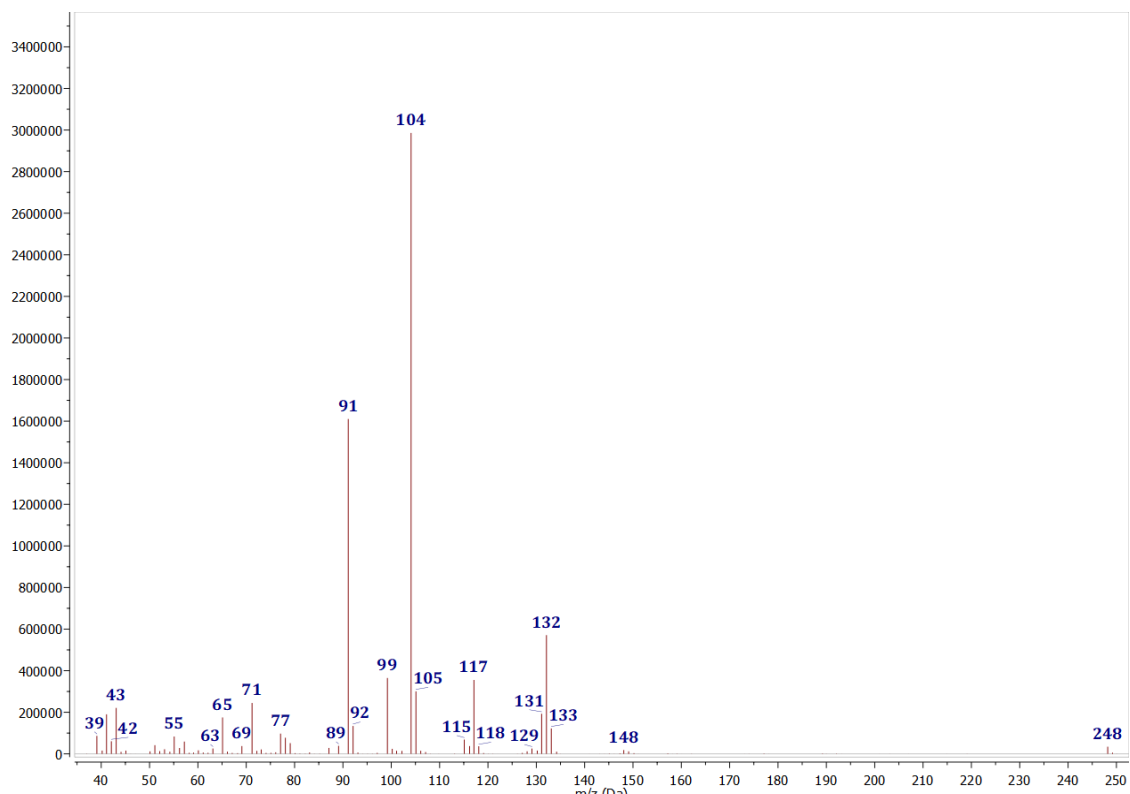


Figure S112. Mass spectrum of 4-phenylbutyl 3-methylpentanoate (**5f**)

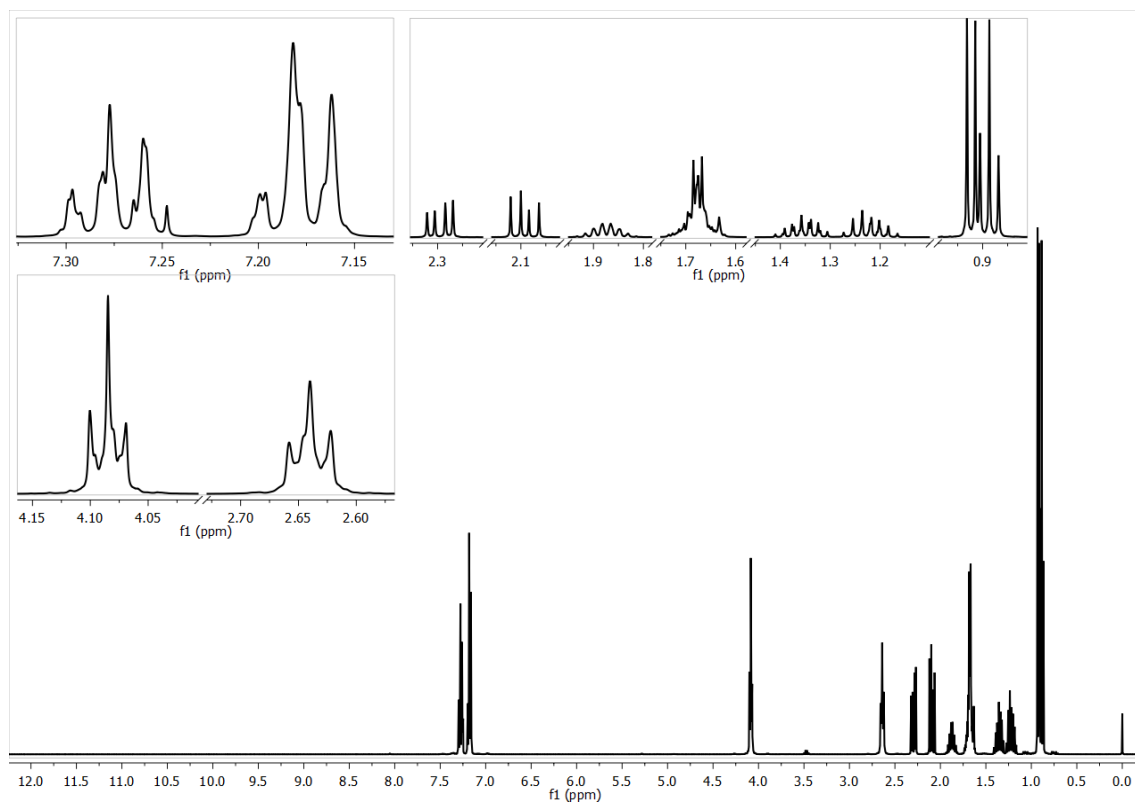


Figure S113. ^1H NMR spectrum of 4-phenylbutyl 3-methylpentanoate (**5f**) recorded in CDCl_3

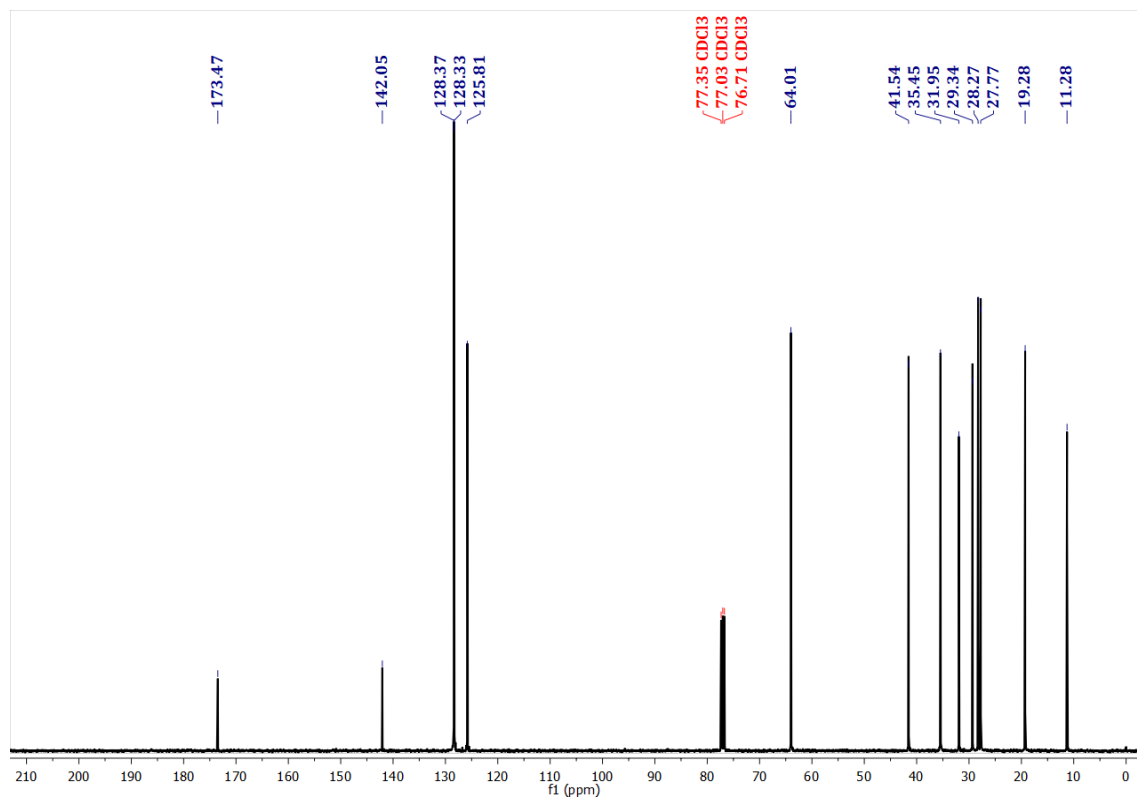


Figure S114. ¹³C NMR spectrum of 4-phenylbutyl 3-methylpentanoate (**5f**) recorded in CDCl₃

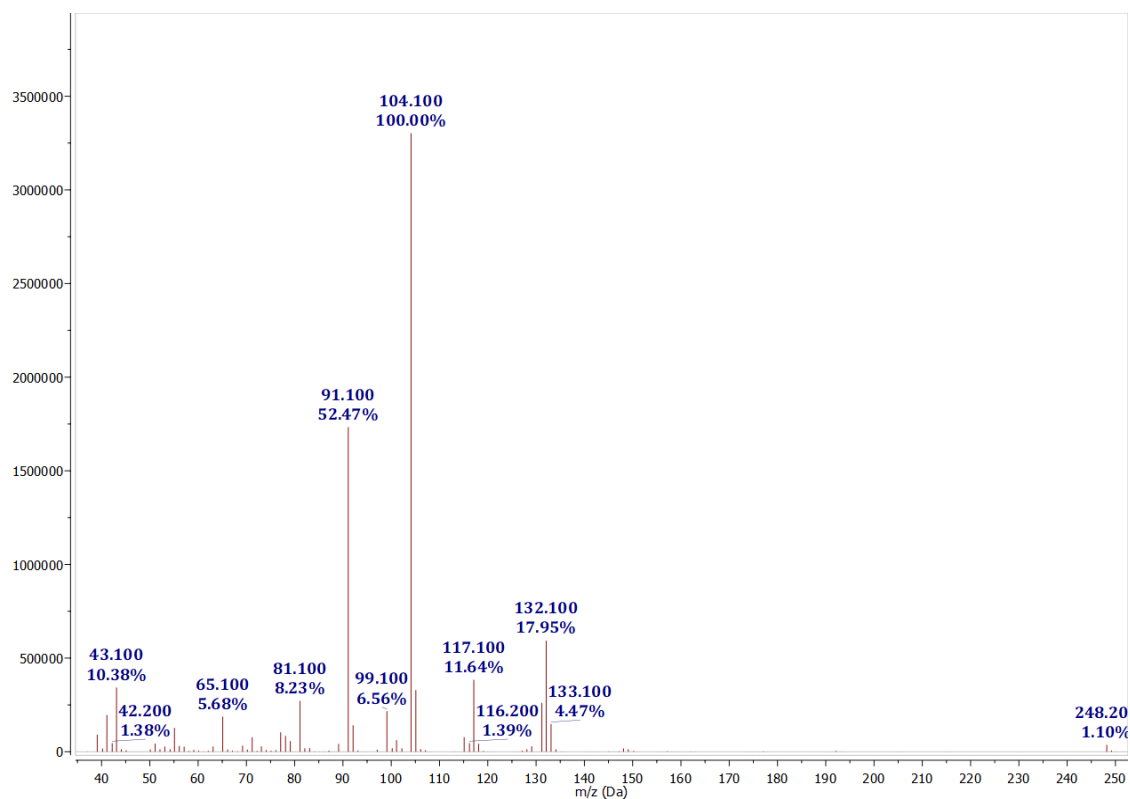


Figure S115. Mass spectrum of 4-phenylbutyl 4-methylpentanoate (**5g**)

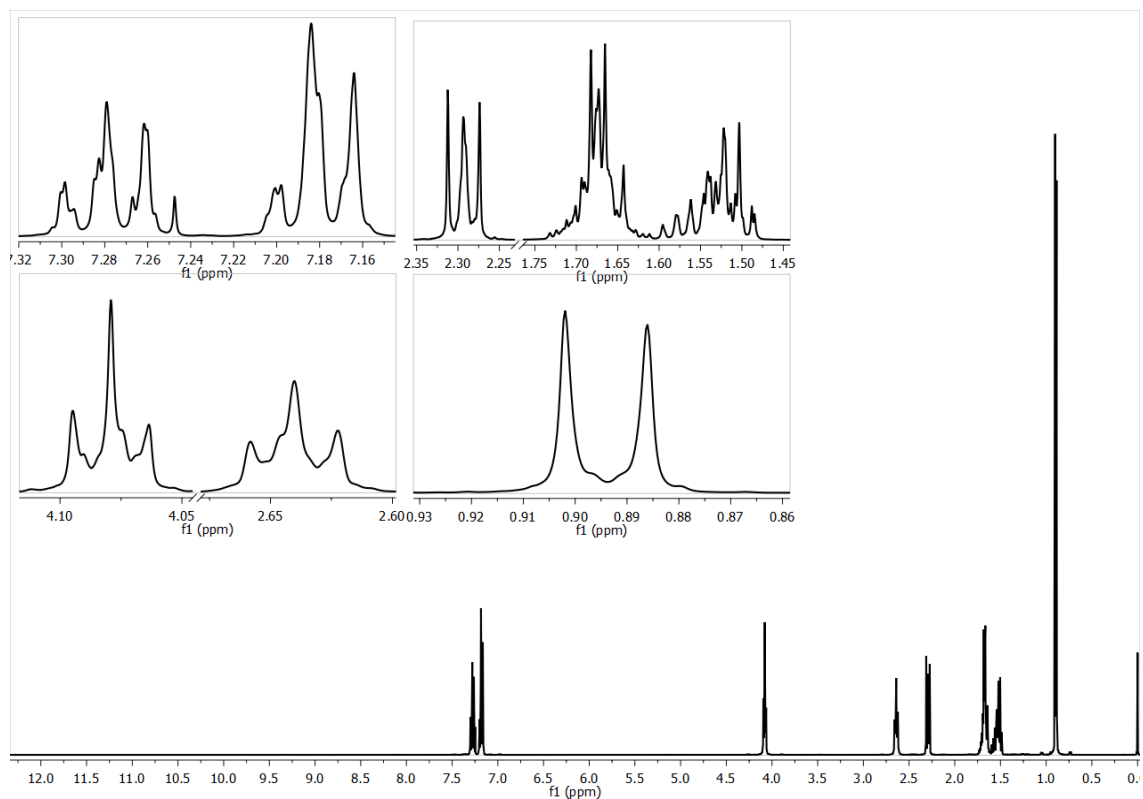


Figure S116. ¹H NMR spectrum of 4-phenylbutyl 4-methylpentanoate (**5g**) recorded in CDCl₃

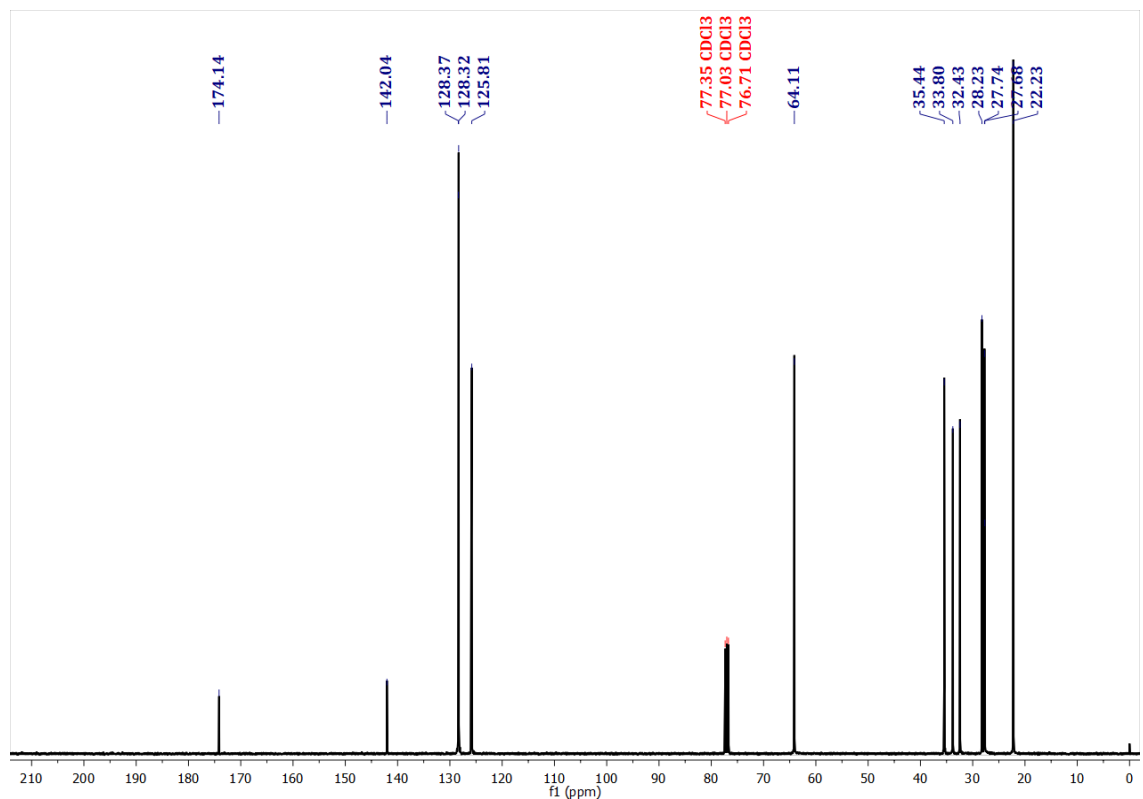


Figure S117. ¹³C NMR spectrum of 4-phenylbutyl 4-methylpentanoate (**5g**) recorded in CDCl₃

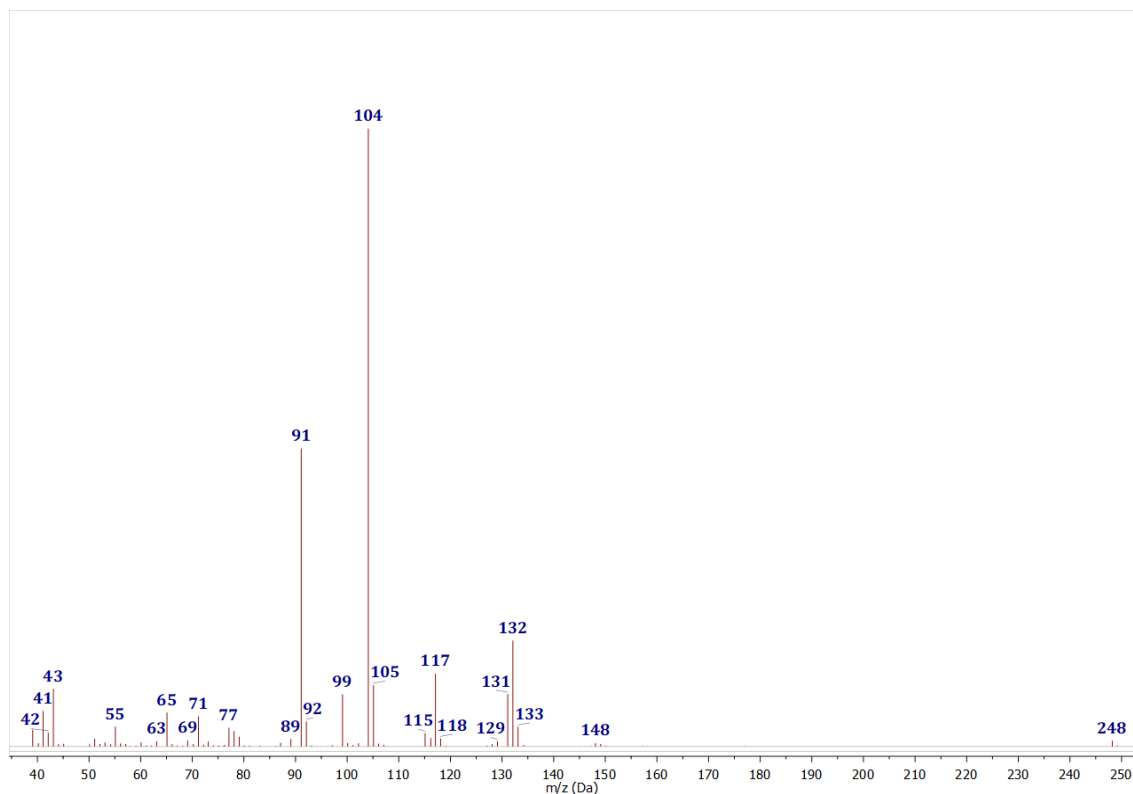


Figure S118. Mass spectrum of 4-phenylbutyl hexanoate (**5h**)

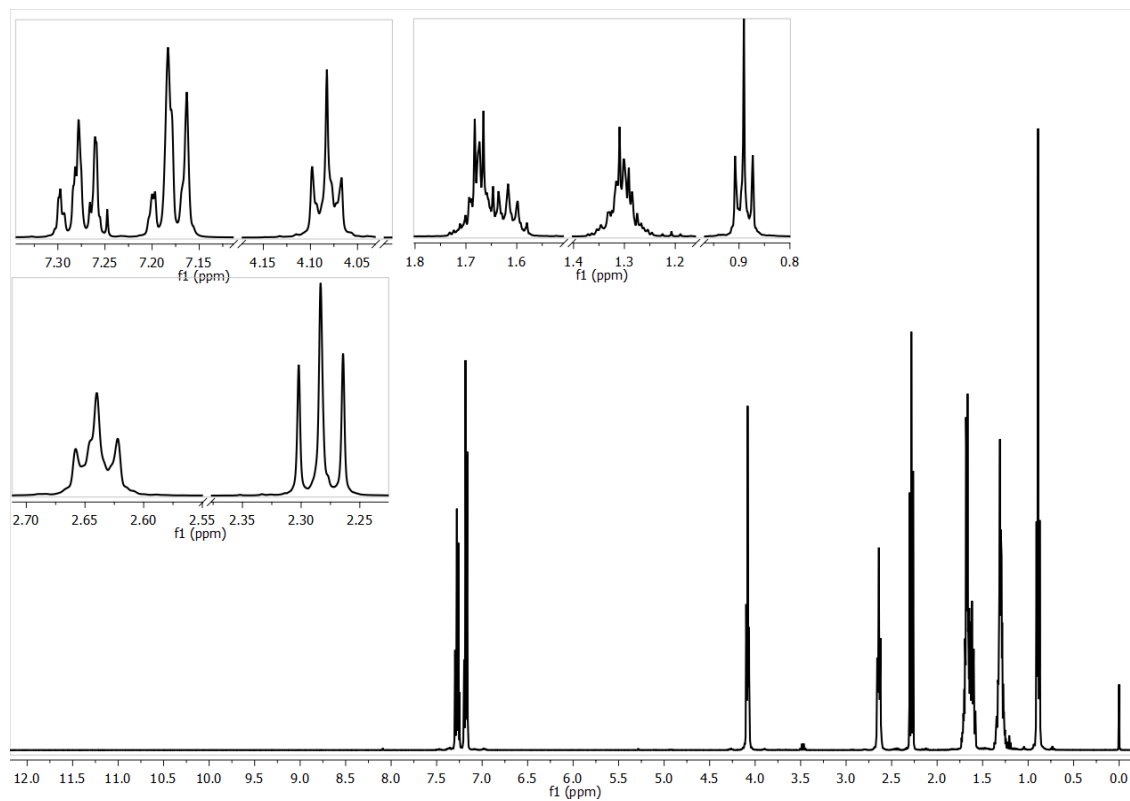


Figure S119. ^1H NMR spectrum of 4-phenylbutyl hexanoate (**5h**) recorded in CDCl_3

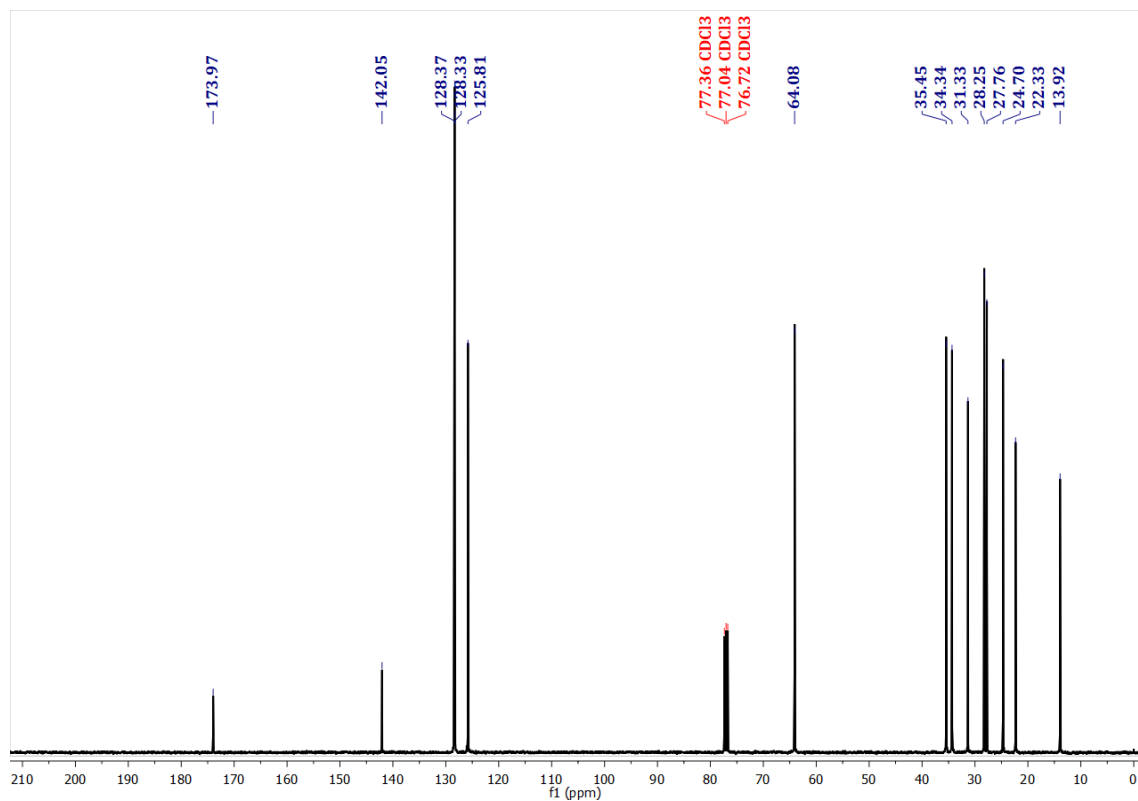


Figure S120. ¹³C NMR spectrum of 4-phenylbutyl hexanoate (**5h**) recorded in CDCl₃

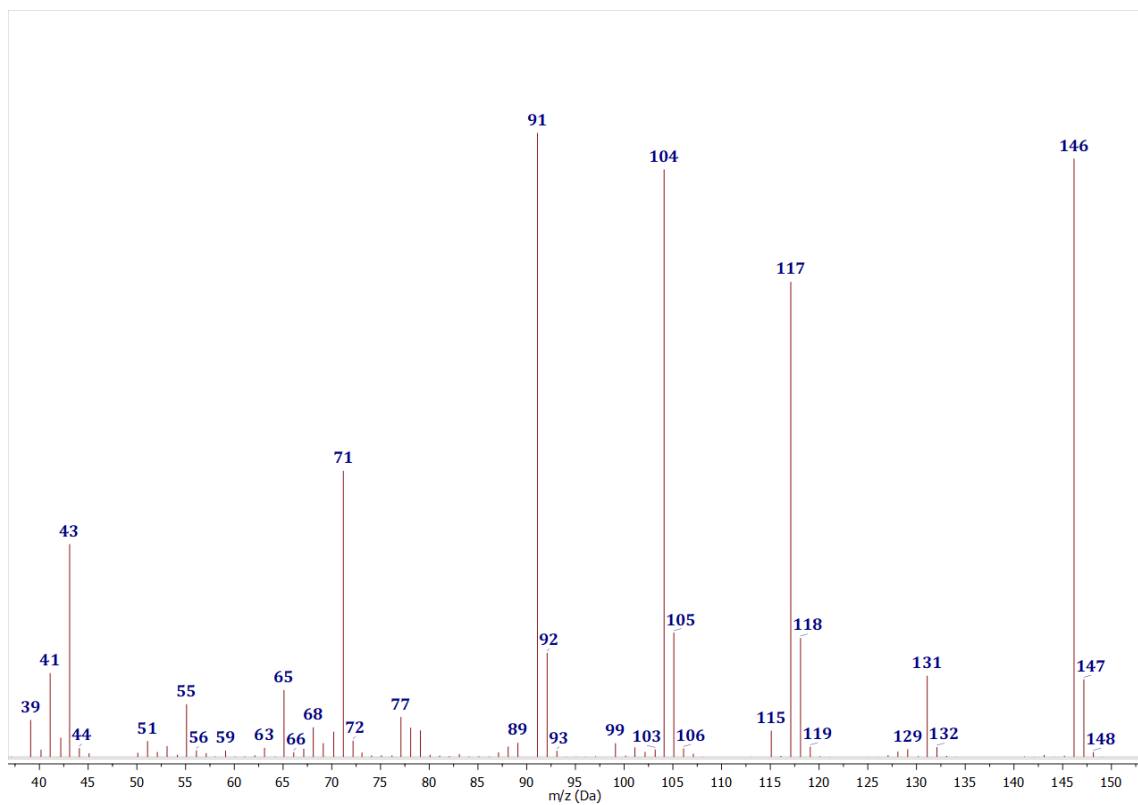


Figure S121. Mass spectrum of 5-phenylpentyl 2-ethylbutanoate (**6a**)

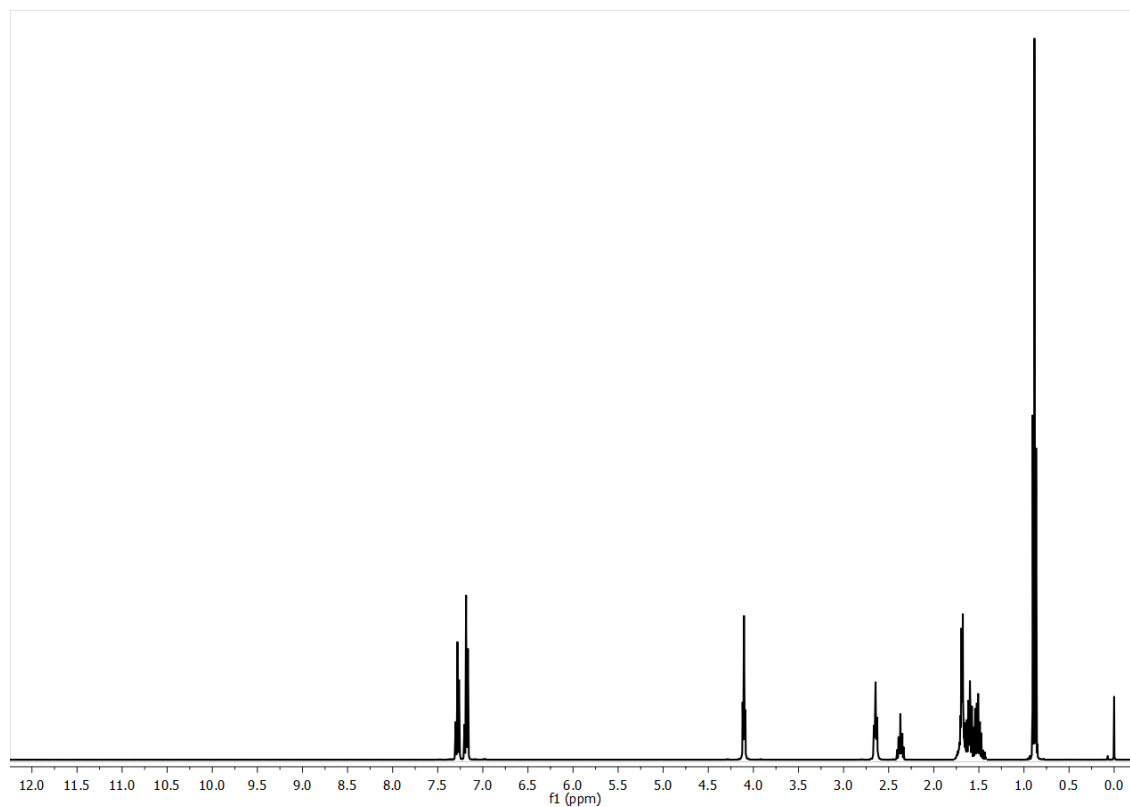


Figure S122. ¹H NMR spectrum of 5-phenylpentyl 2-ethylbutanoate (**6a**) recorded in CDCl₃

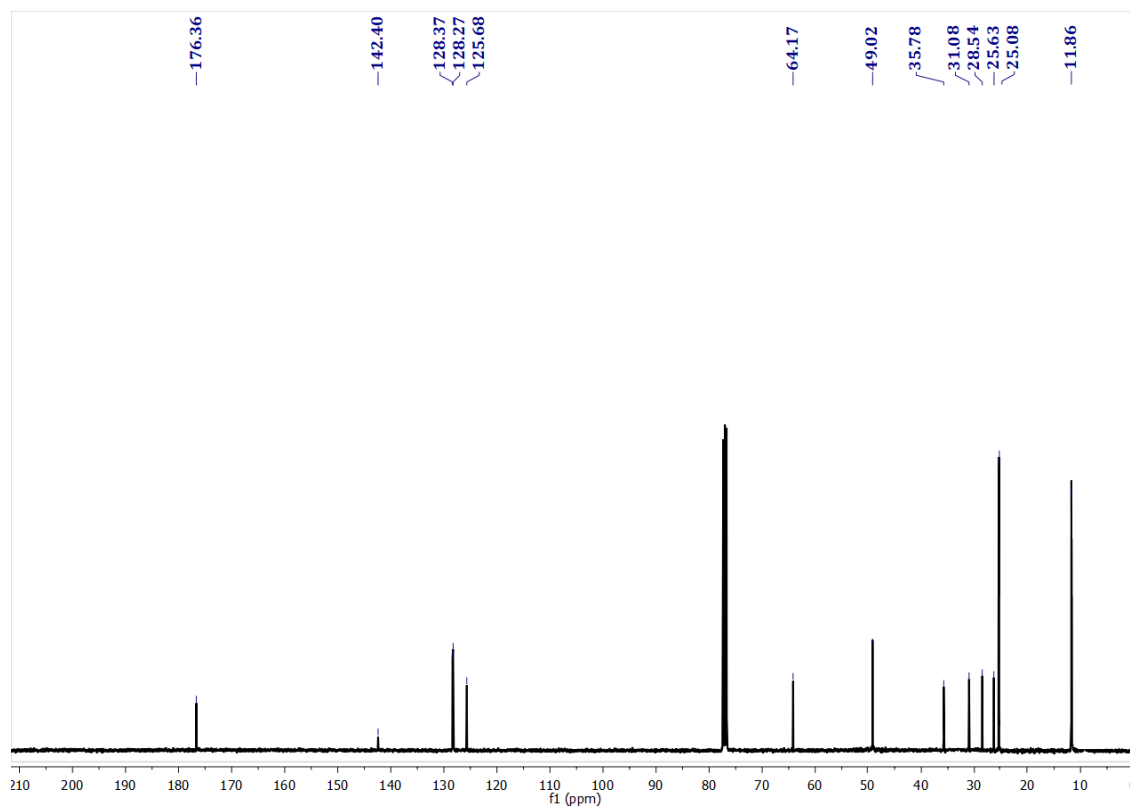


Figure S123. ¹³C NMR spectrum of 5-phenylpentyl 2-ethylbutanoate (**6a**) recorded in CDCl₃

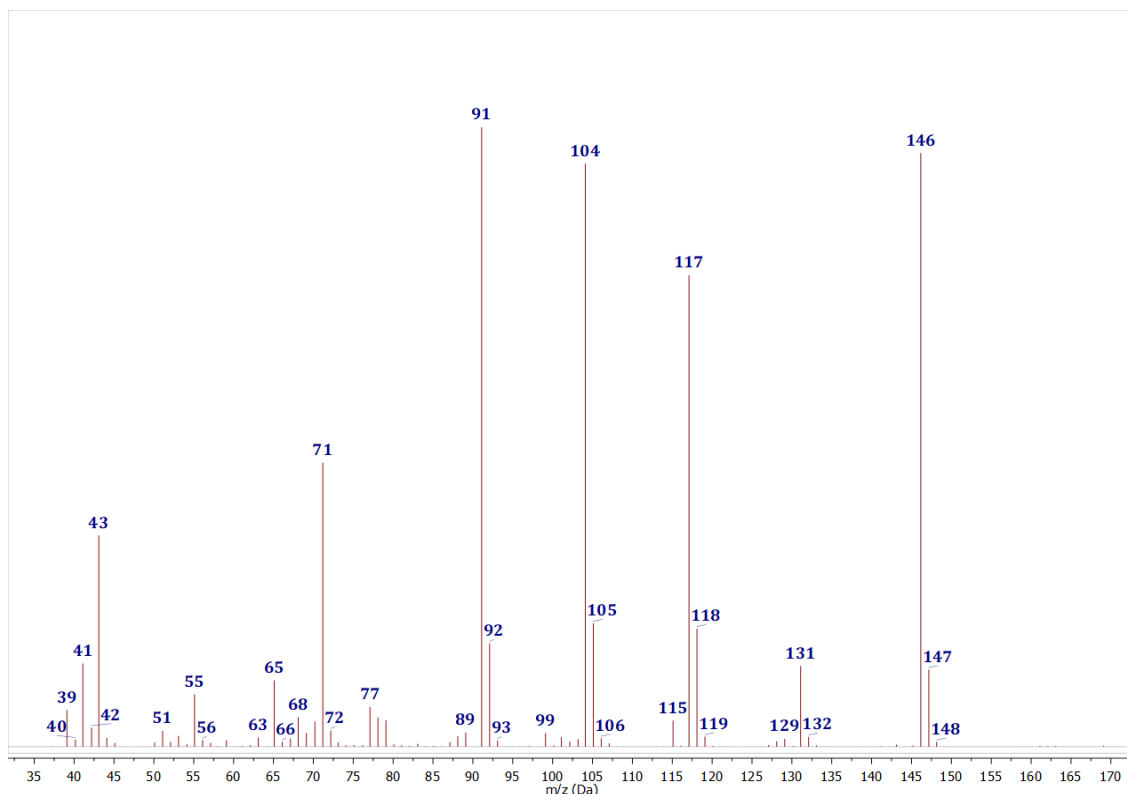


Figure S124. Mass spectrum of 5-phenylpentyl 2,2-dimethylbutanoate (**6b**)

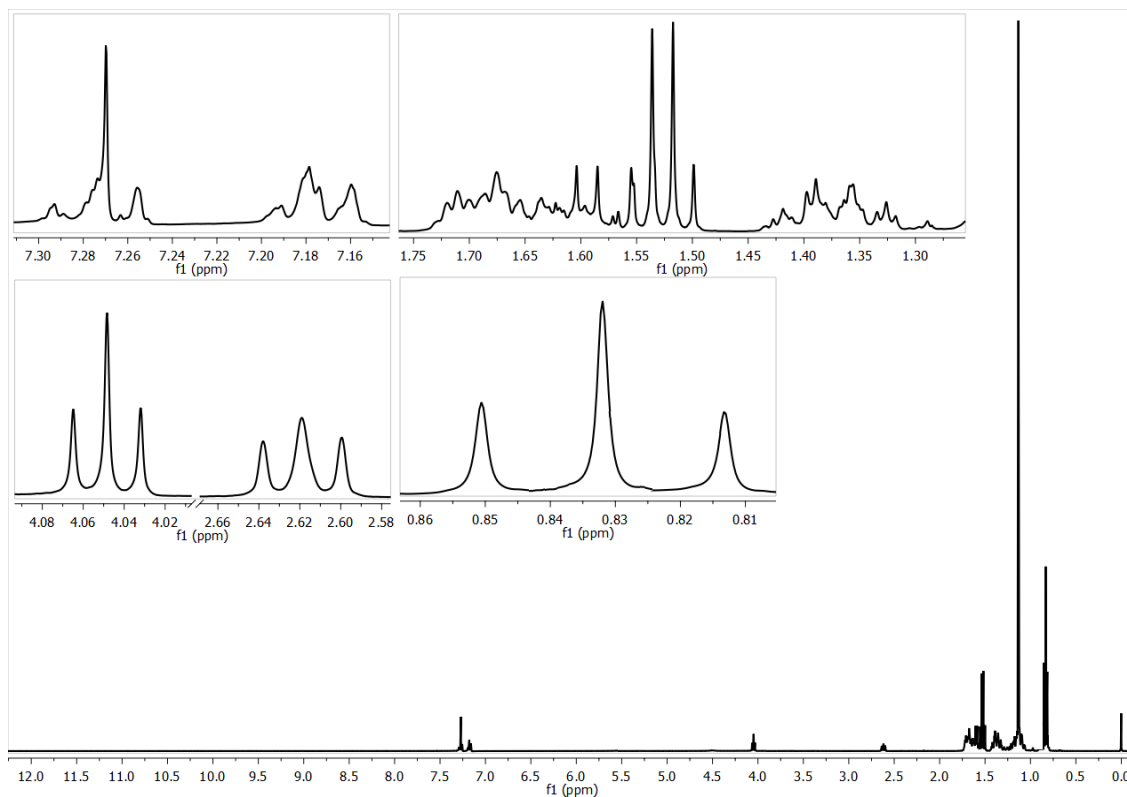


Figure S125. ^1H NMR spectrum of 5-phenylpentyl 2,2-dimethylbutanoate (**6b**) recorded in CDCl_3

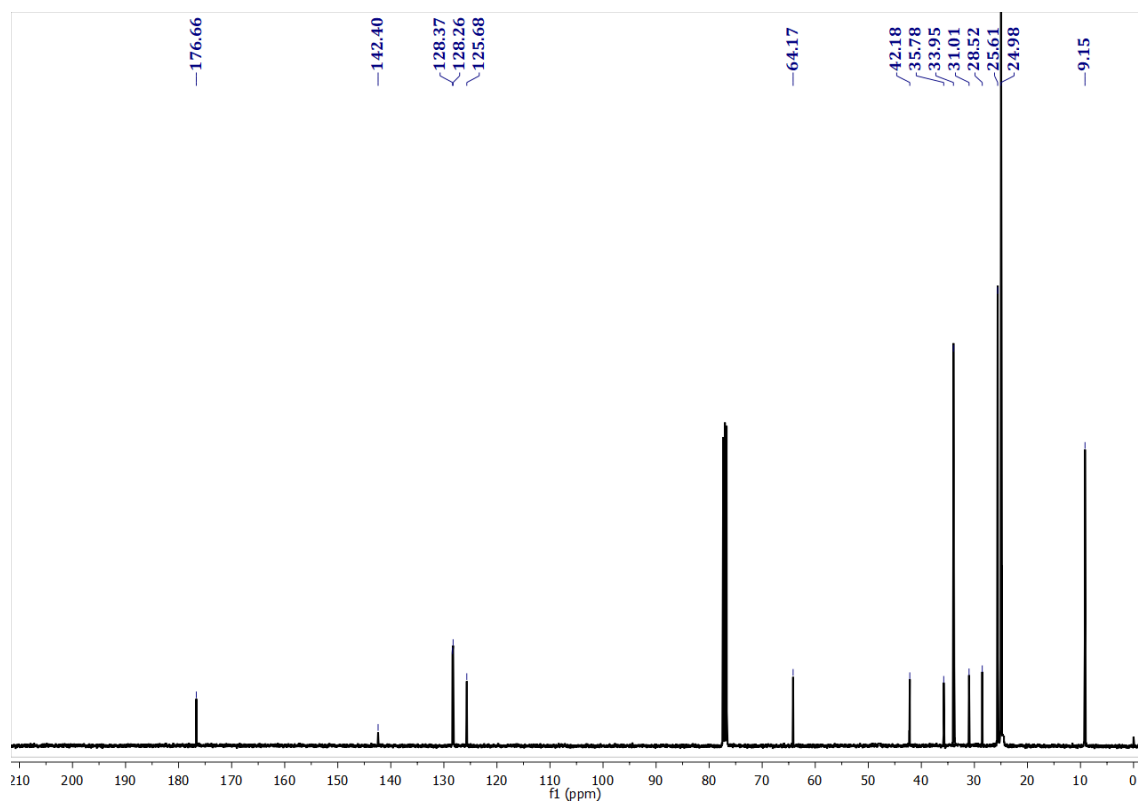


Figure S126. ¹³C NMR spectrum of 5-phenylpentyl 2,2-dimethylbutanoate (**6b**) recorded in CDCl₃

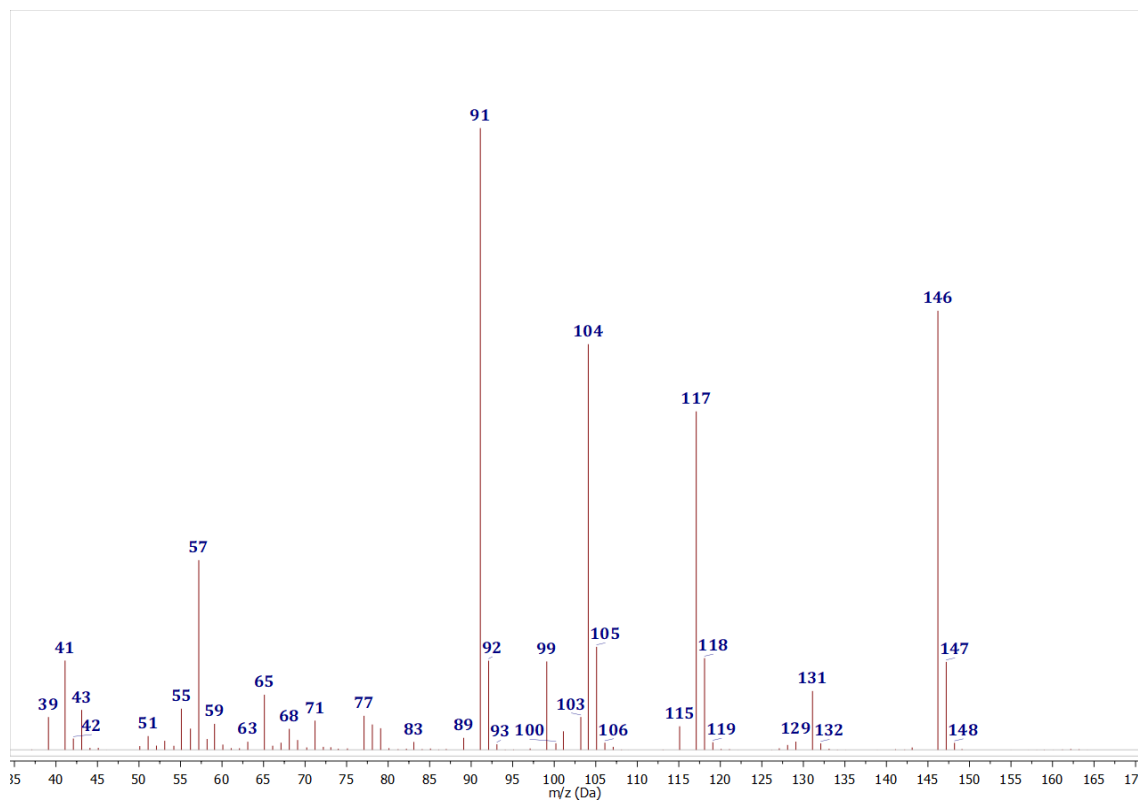


Figure S127. Mass spectrum of 5-phenylpentyl 3,3-dimethylbutanoate (**6c**)

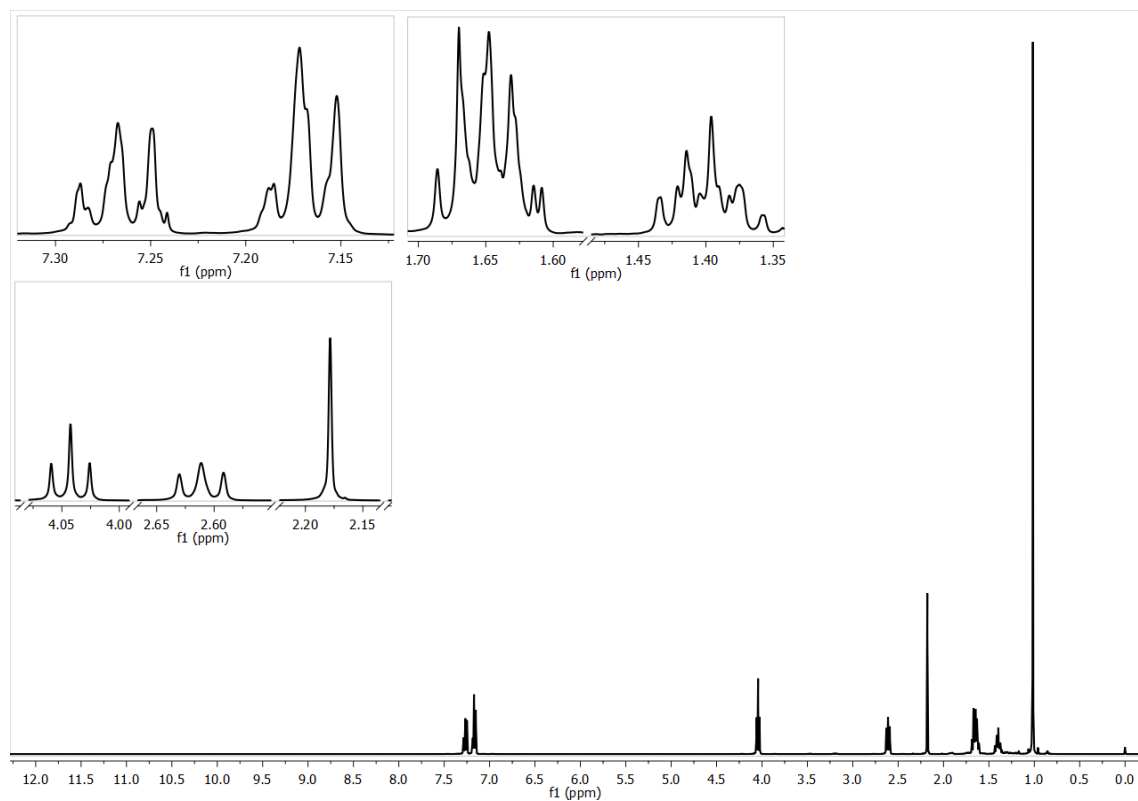


Figure S128. ¹H NMR spectrum of 5-phenylpentyl 3,3-dimethylbutanoate (**6c**) recorded in CDCl₃

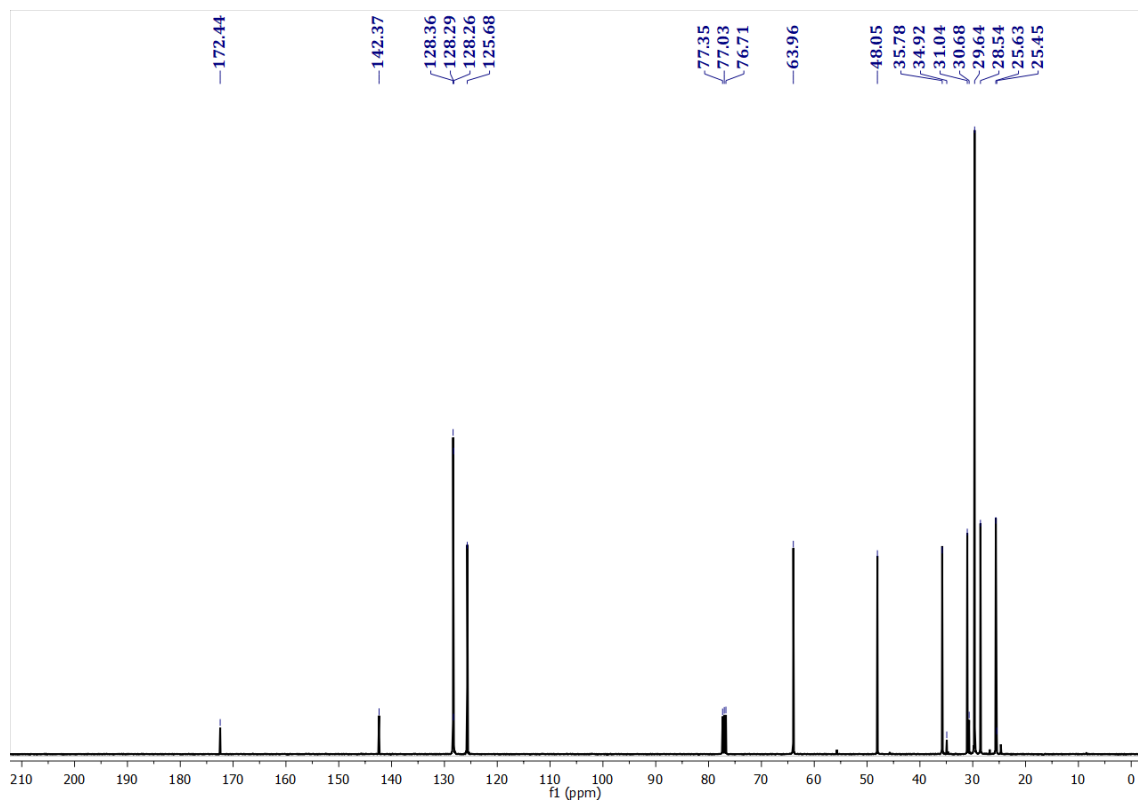


Figure S129. ¹³C NMR spectrum of 5-phenylpentyl 3,3-dimethylbutanoate (**6c**) recorded in CDCl₃

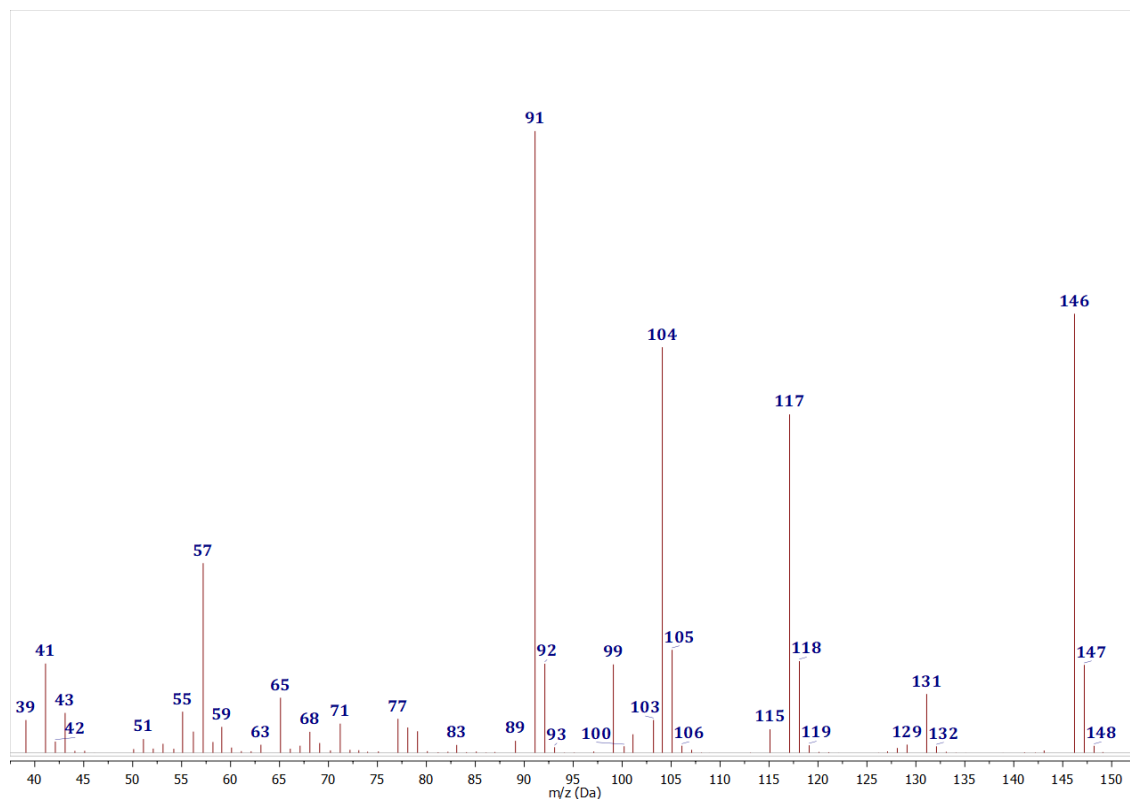


Figure S130. Mass spectrum of 5-phenylpentyl 2,3-dimethylbutanoate (**6d**)

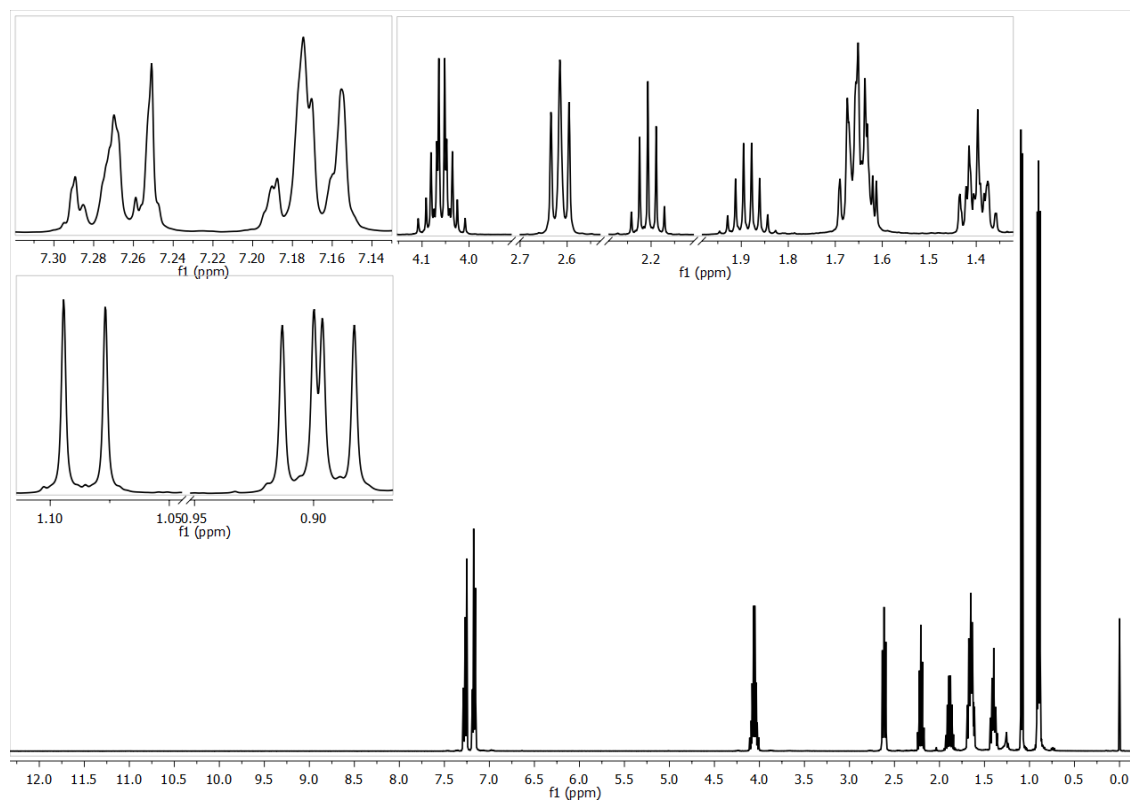


Figure S131. ^1H NMR spectrum of 5-phenylpentyl 2,3-dimethylbutanoate (**6d**) recorded in CDCl_3

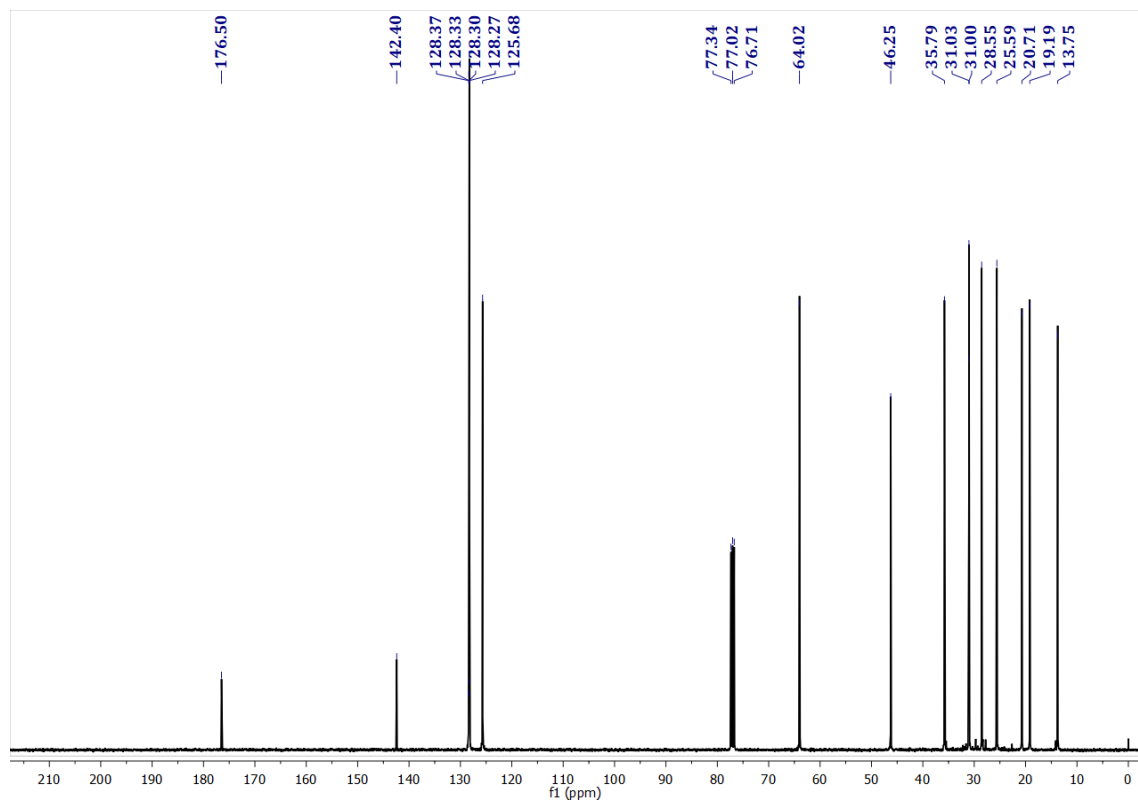


Figure S132. ¹³C NMR spectrum of 5-phenylpentyl 2,3-dimethylbutanoate (**6d**) recorded in CDCl₃

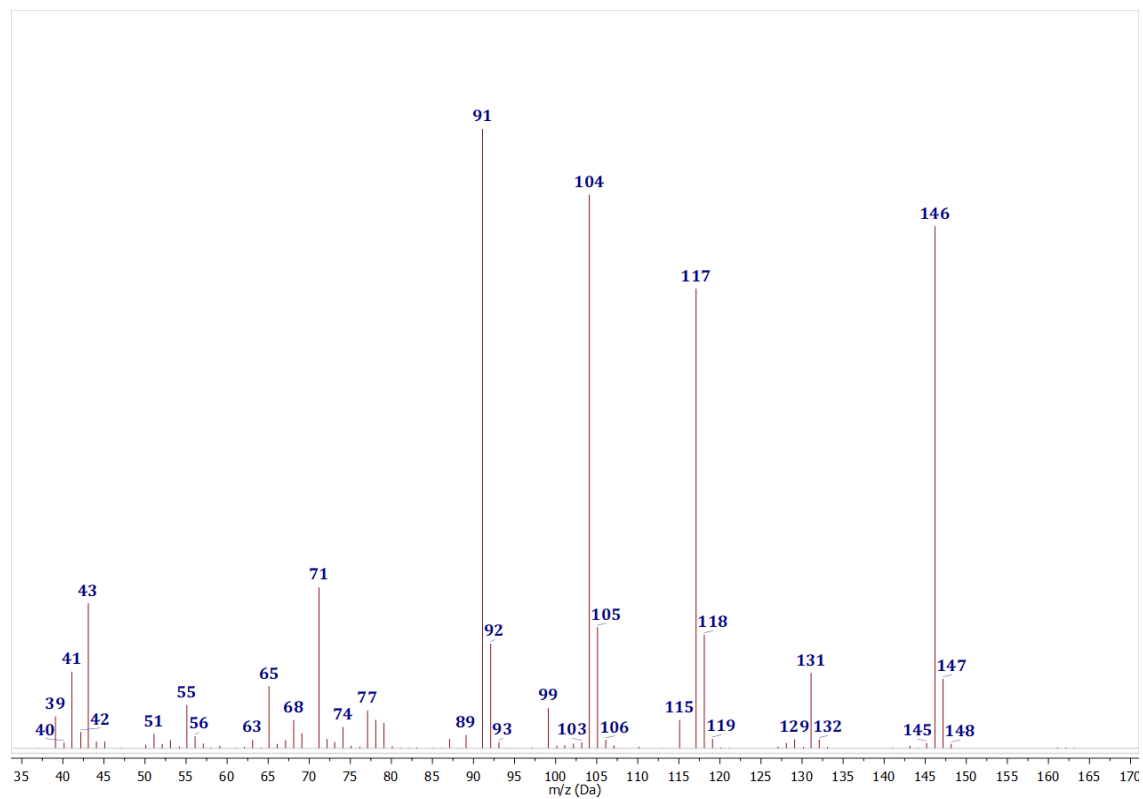


Figure S133. Mass spectrum of 5-phenylpentyl 2-methylpentanoate (**6e**)

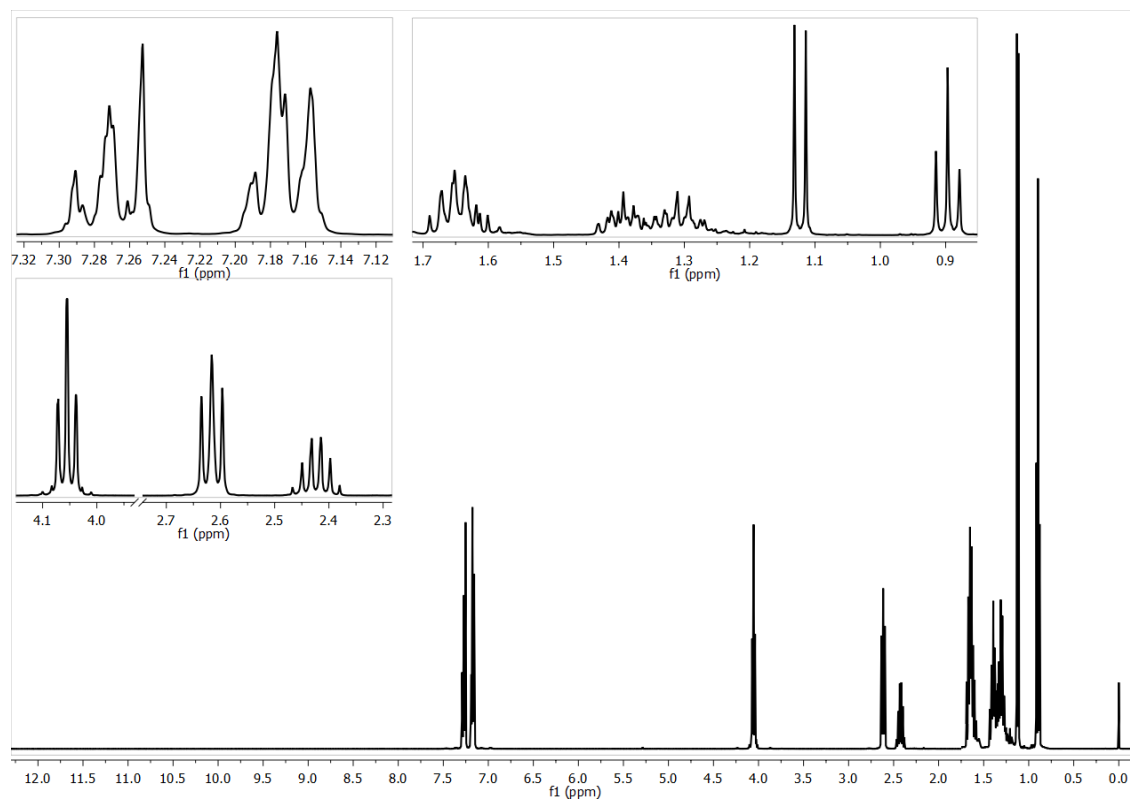


Figure S134. ^1H NMR spectrum of 5-phenylpentyl 2-methylpentanoate (**6e**) recorded in CDCl_3

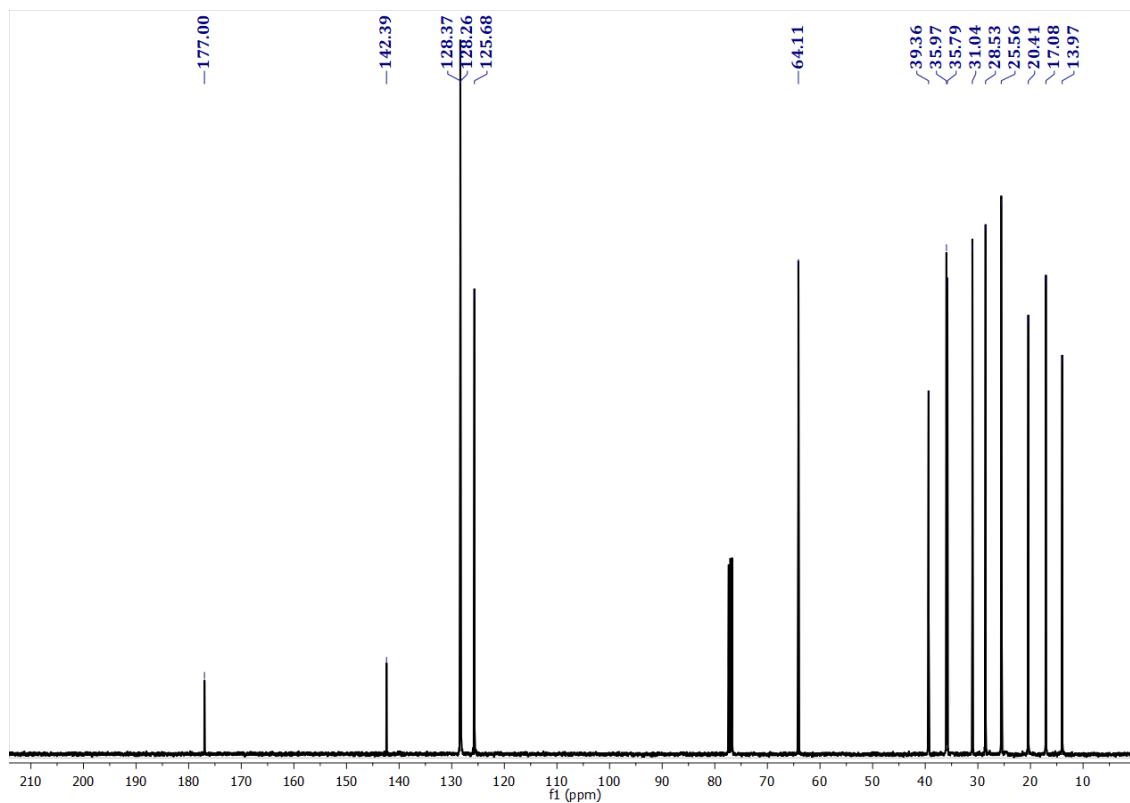


Figure S135. ^{13}C NMR spectrum of 5-phenylpentyl 2-methylpentanoate (**6e**) recorded in CDCl_3

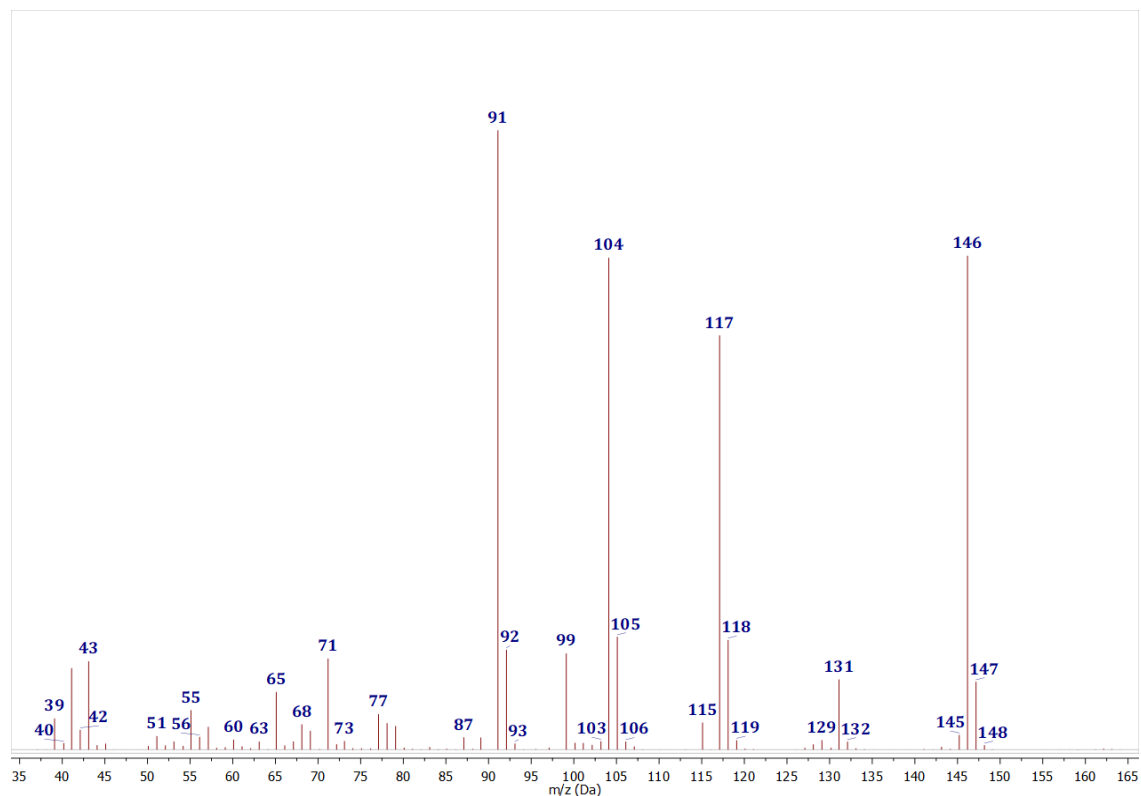


Figure S136. Mass spectrum of 5-phenylpentyl 3-methylpentanoate (**6f**)

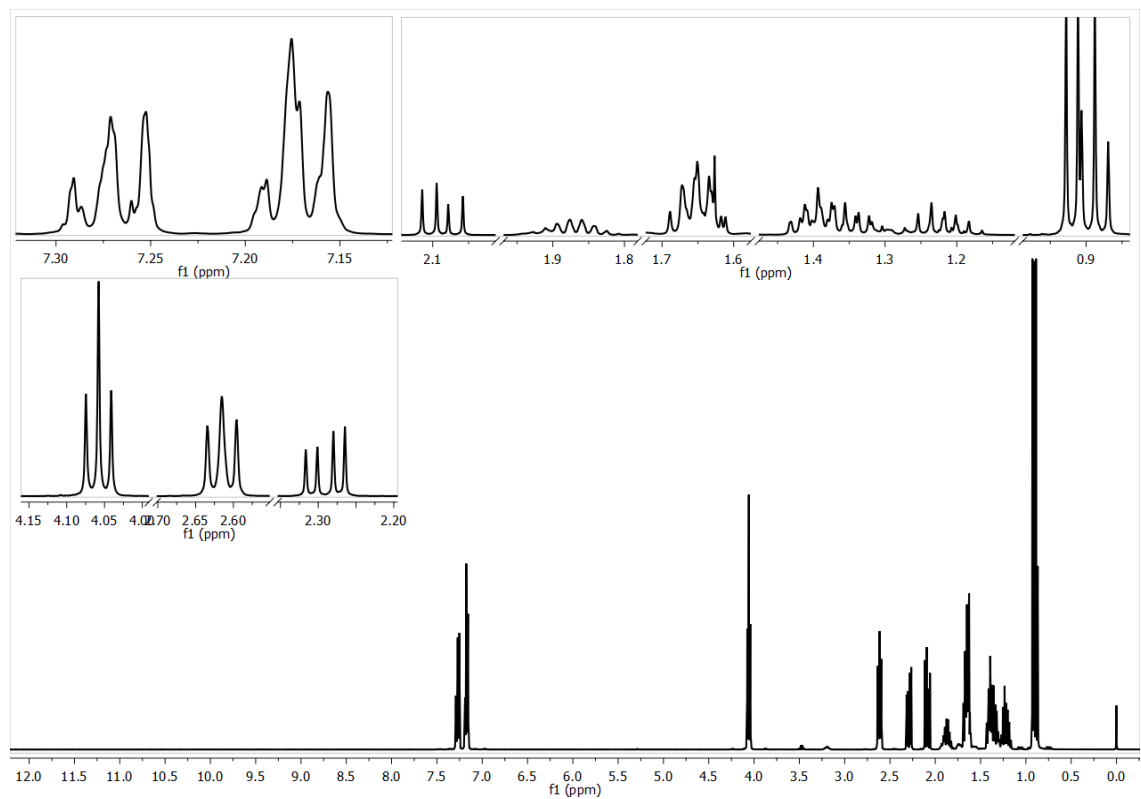


Figure S137. ^1H NMR spectrum of 5-phenylpentyl 3-methylpentanoate (**6f**) recorded in CDCl_3

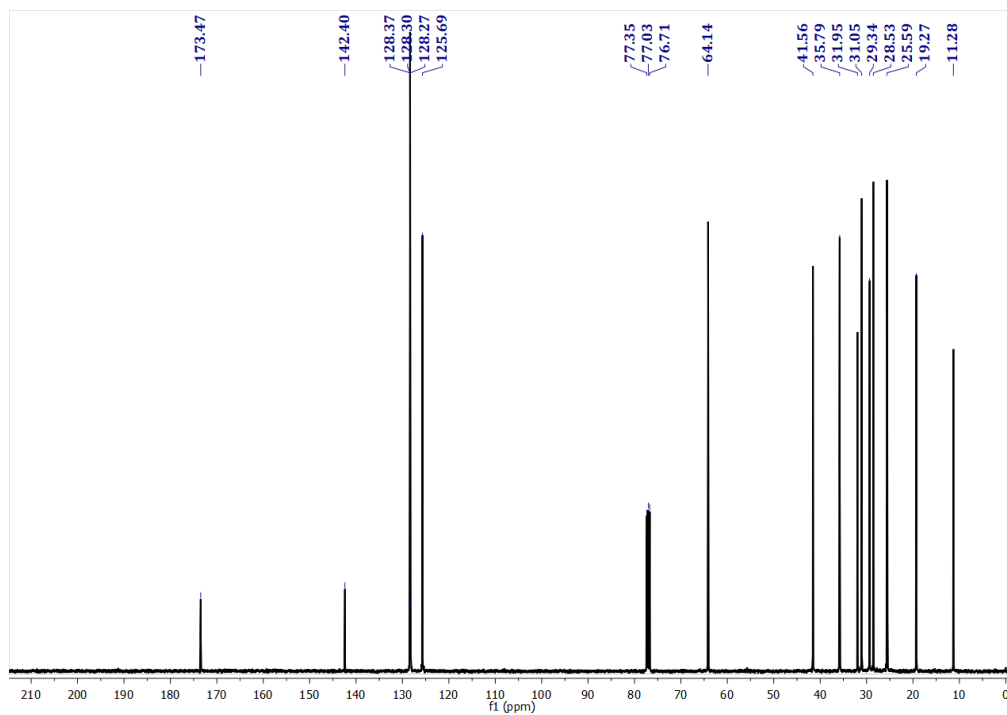


Figure S138. ¹³C NMR spectrum of 5-phenylpentyl 3-methylpentanoate (**6f**) recorded in CDCl₃

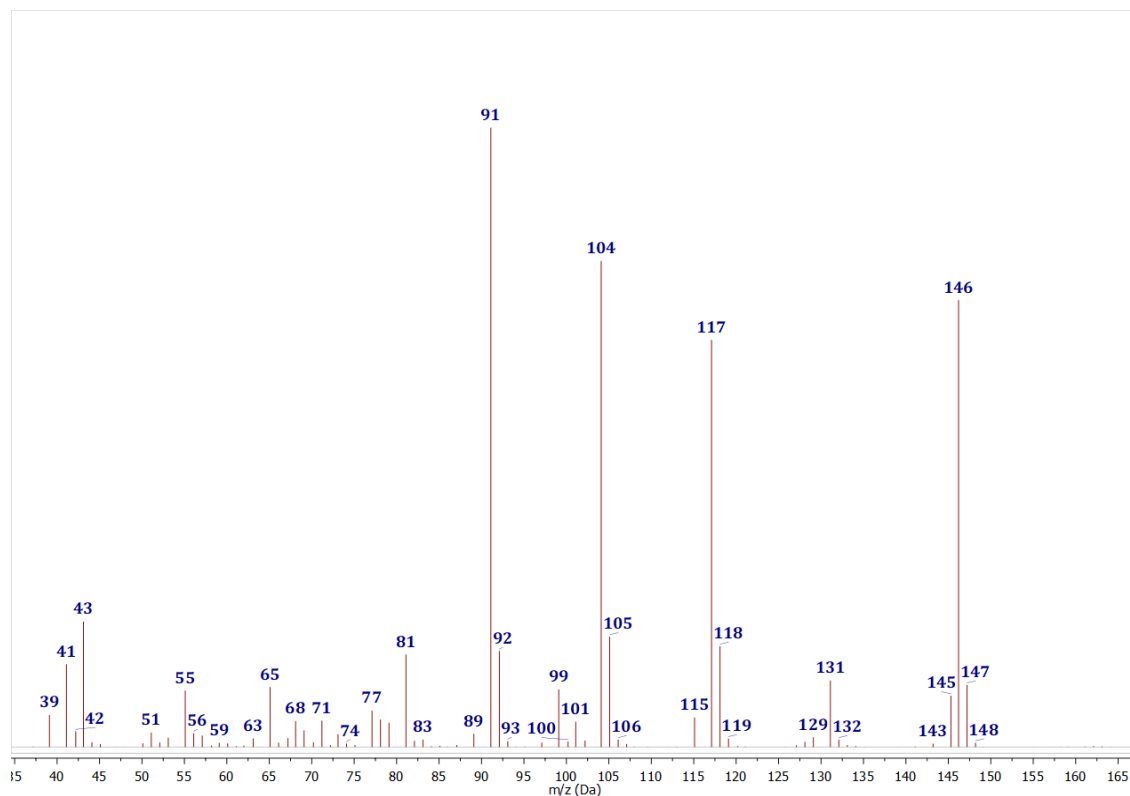


Figure S139. Mass spectrum of 5-phenylpentyl 4-methylpentanoate (**6g**)

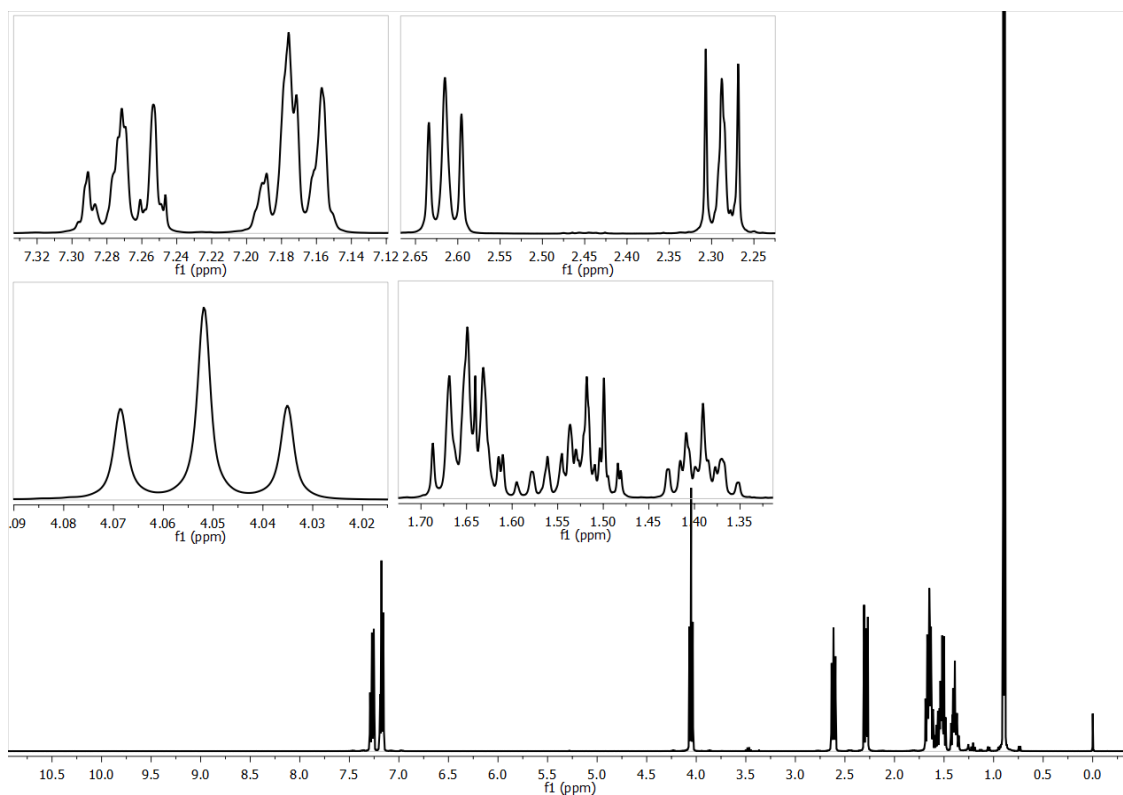


Figure S140. ^1H NMR spectrum of 5-phenylpentyl 4-methylpentanoate (**6g**) recorded in CDCl_3

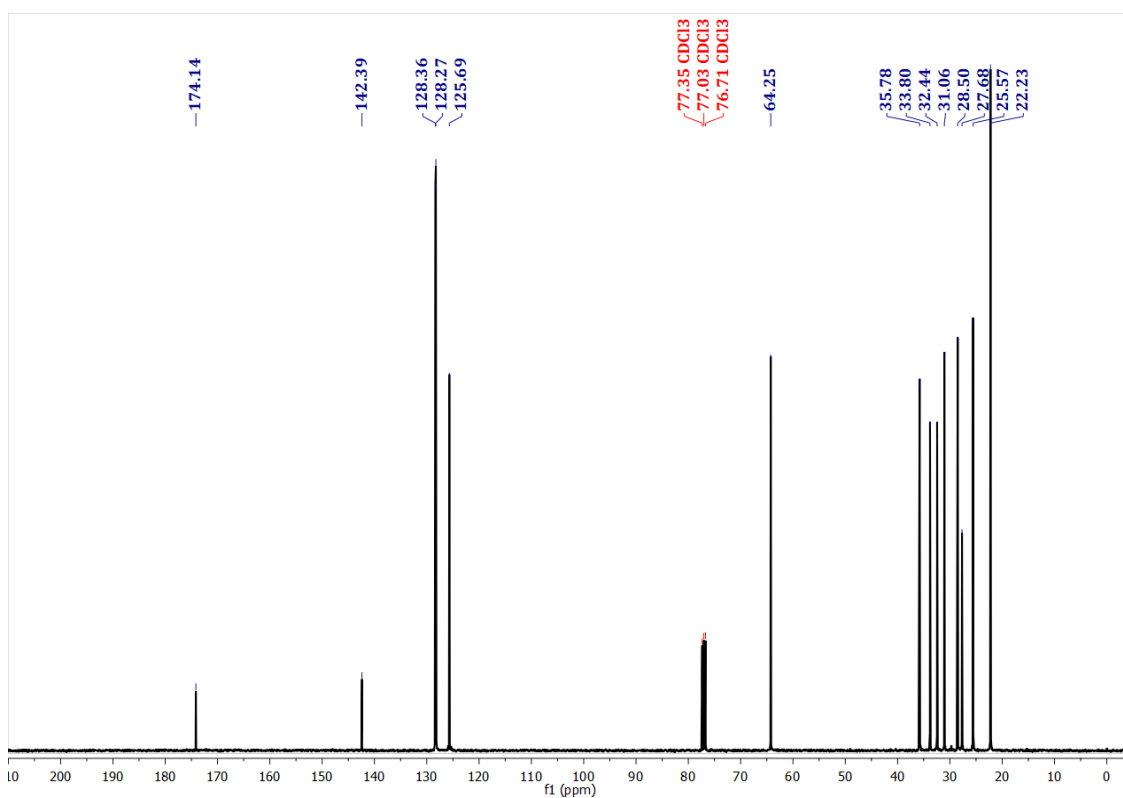


Figure S141. ^{13}C NMR spectrum of 5-phenylpentyl 4-methylpentanoate (**6g**) recorded in CDCl_3

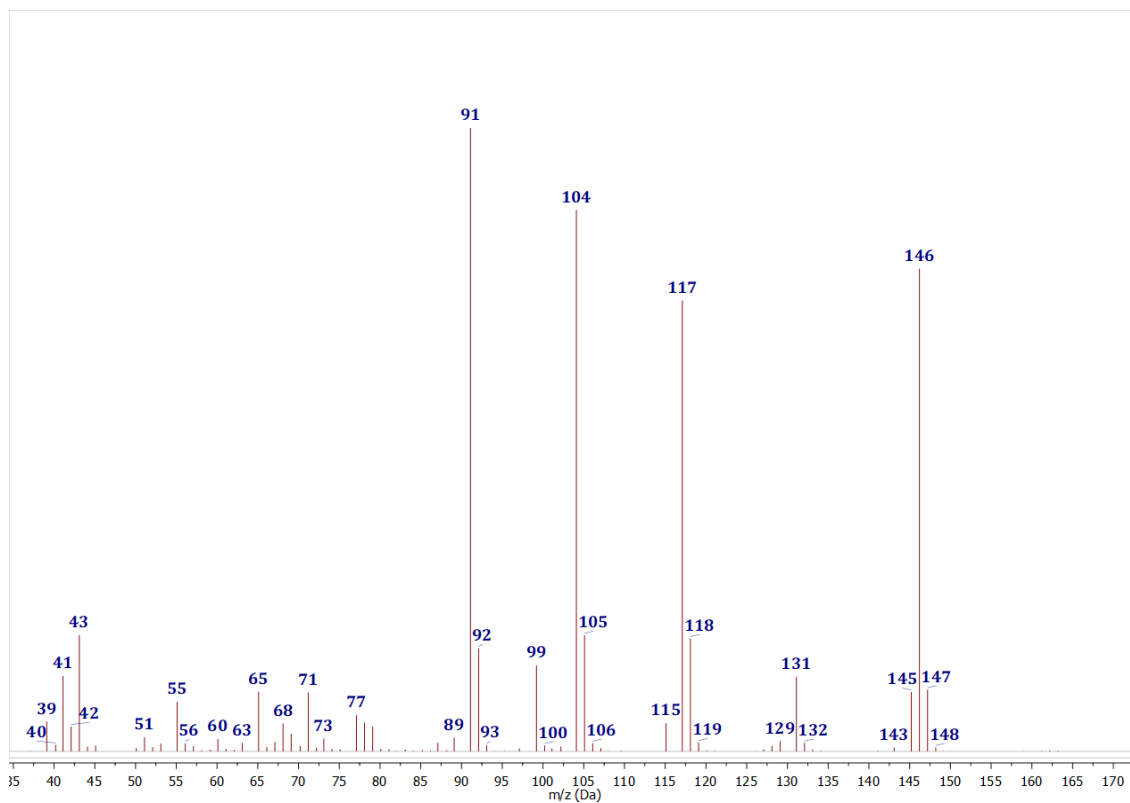


Figure S142. Mass spectrum of 5-phenylpentyl hexanoate (**6h**)

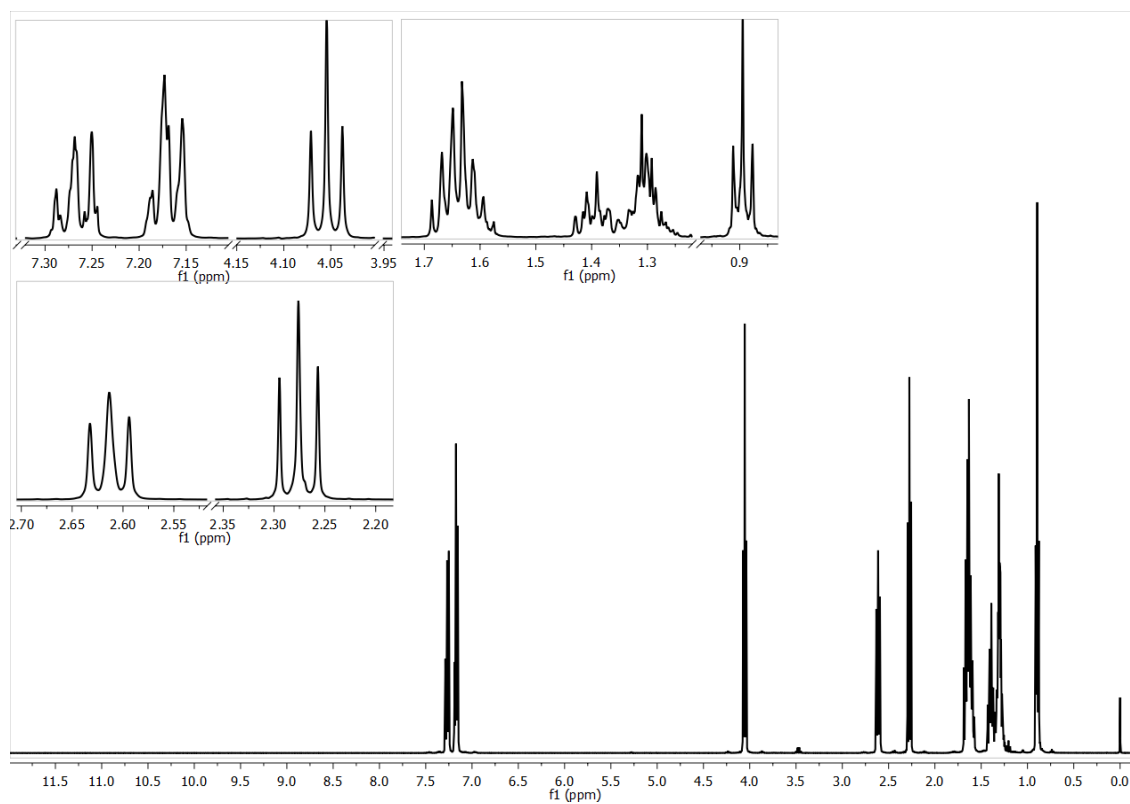


Figure S143. ^1H NMR spectrum of 5-phenylpentyl hexanoate (**6h**) recorded in CDCl_3

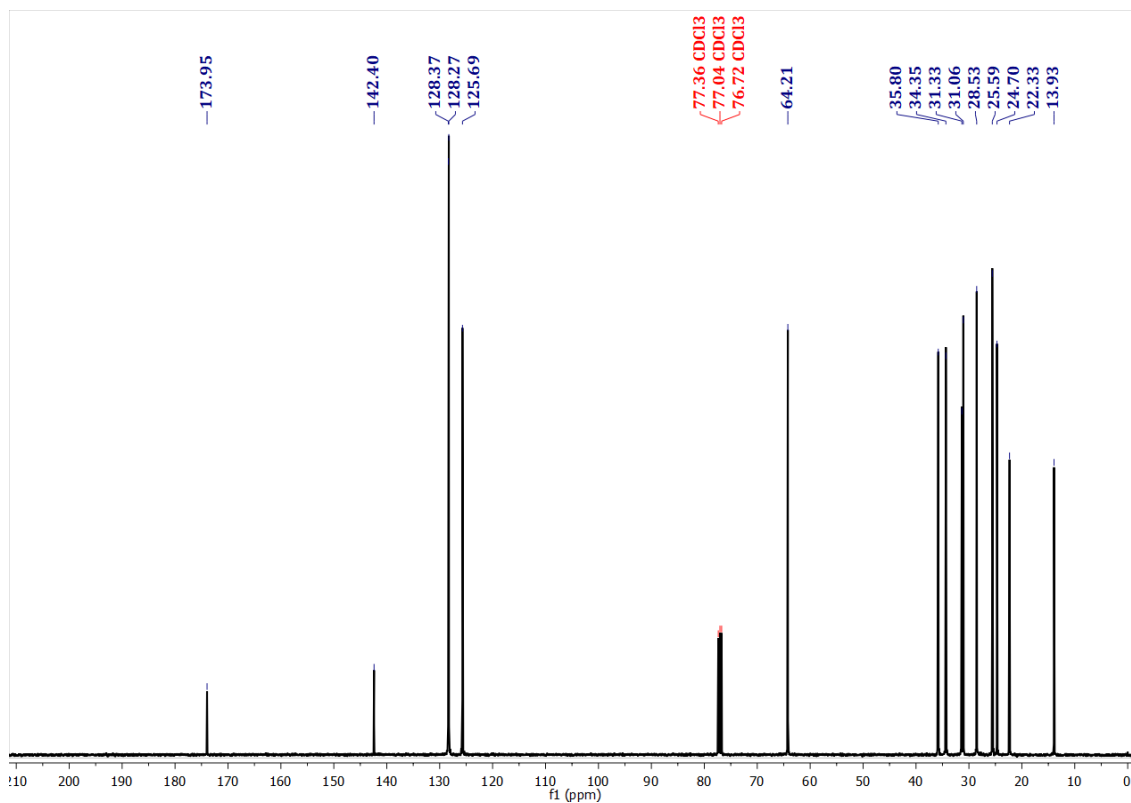


Figure S144. ¹³C NMR spectrum of 5-phenylpentyl hexanoate (**6h**) recorded in CDCl₃

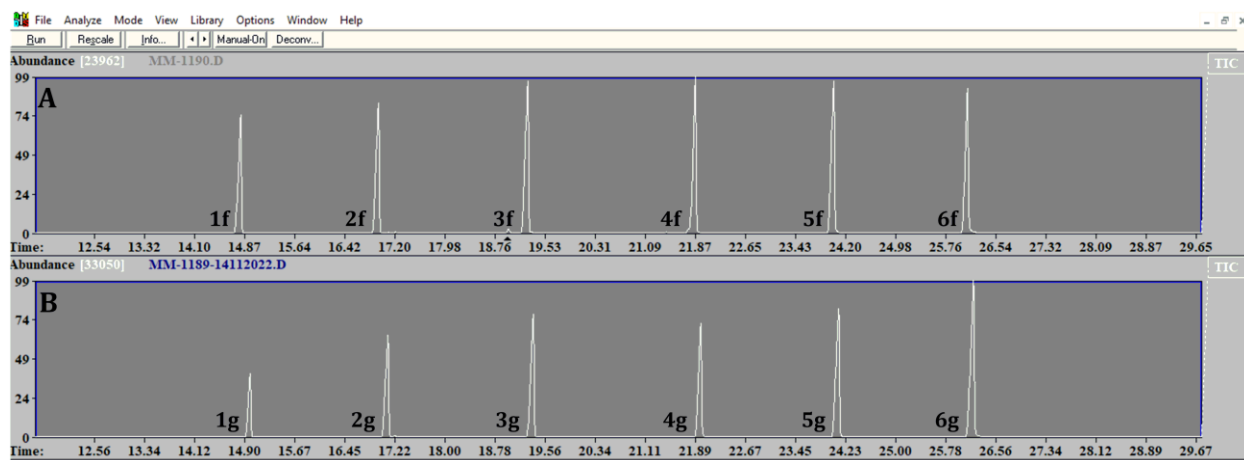


Figure S145. Typical total ion current (TIC) chromatogram of a mixture of synthesized (A) 3-methylpentanoates and (B) 4-methylpentanoates

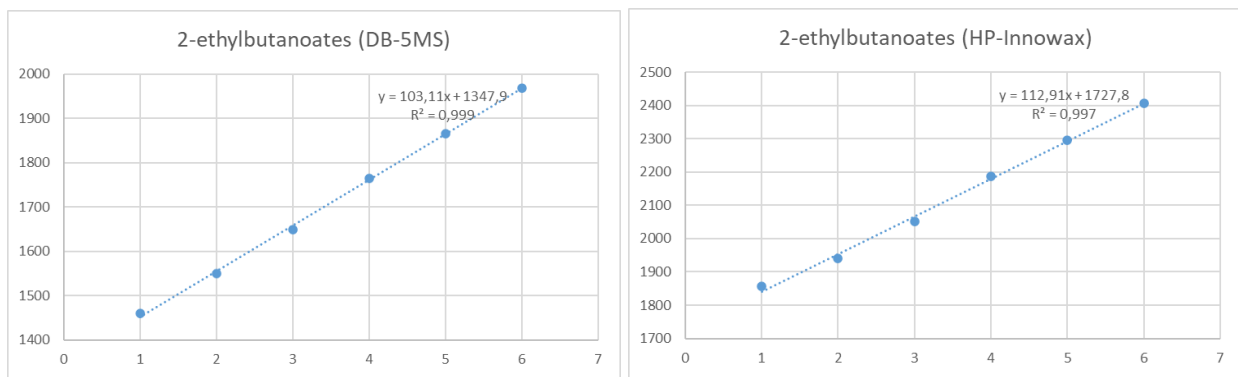


Figure S146. The dependence of RI values of the esters of the same acid (2-ethylbutanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

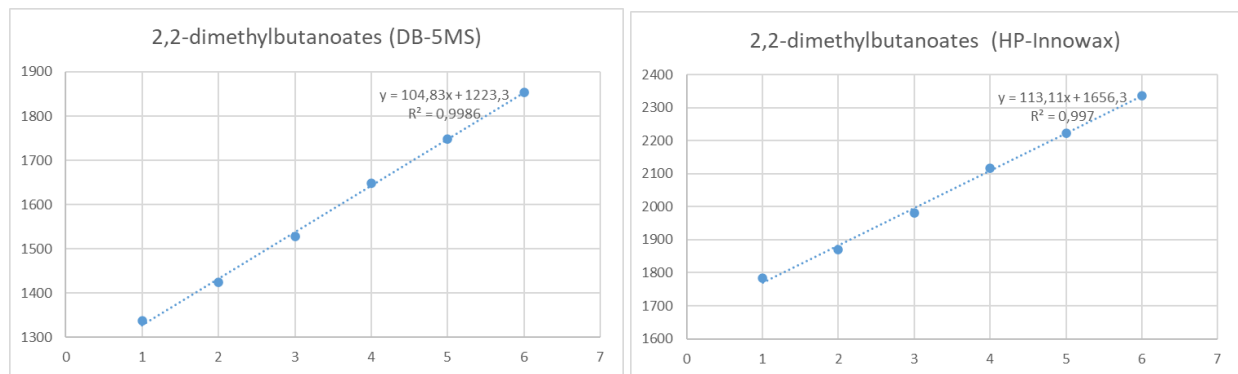


Figure S147. The dependence of RI values of the esters of the same acid (2,2-dimethylbutanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

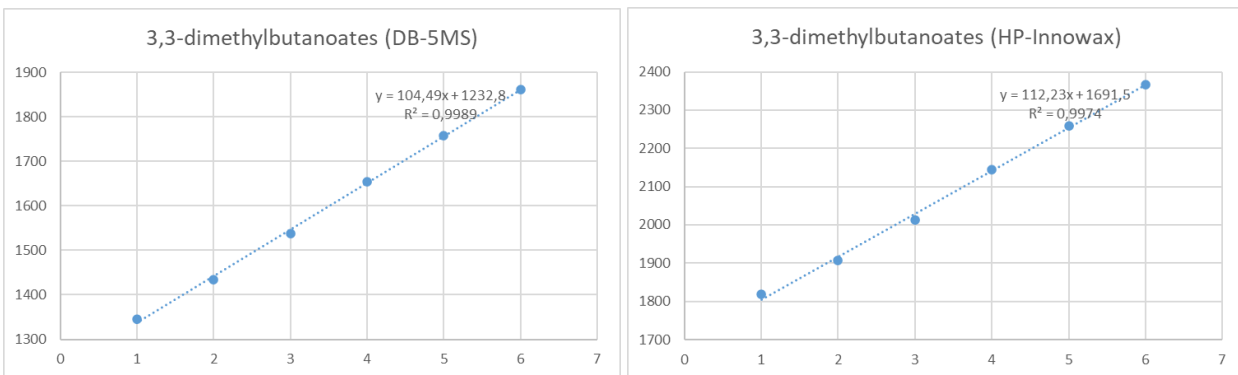


Figure S148. The dependence of RI values of the esters of the same acid (3,3-dimethylbutanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

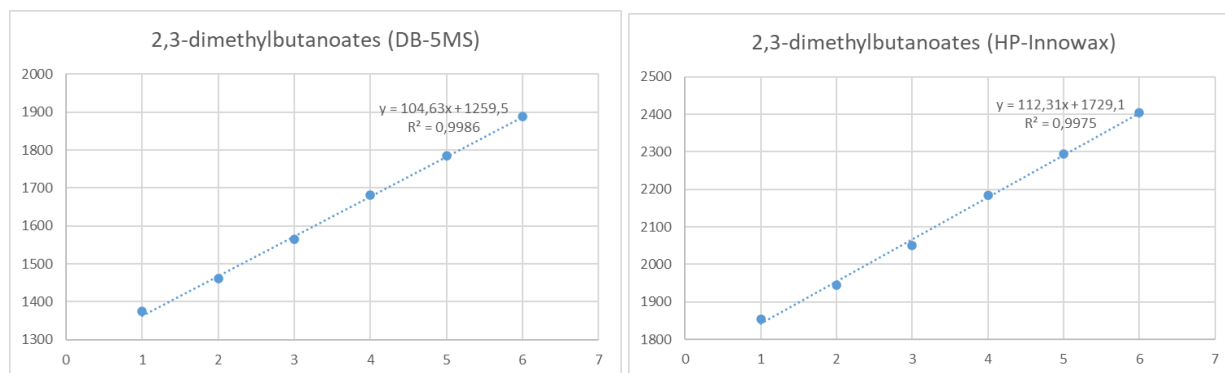


Figure S149. The dependence of RI values of the esters of the same acid (2,3-dimethylbutanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

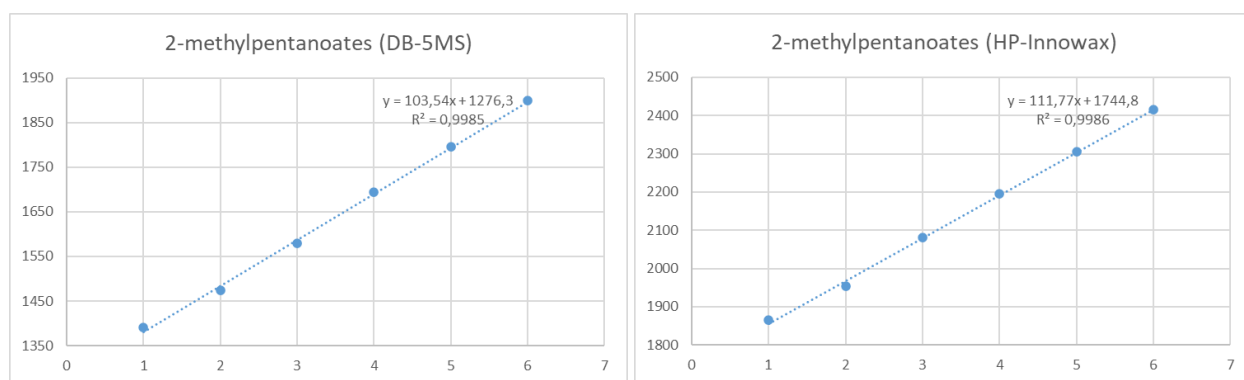


Figure S150. The dependence of RI values of the esters of the same acid (2-methylpentanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

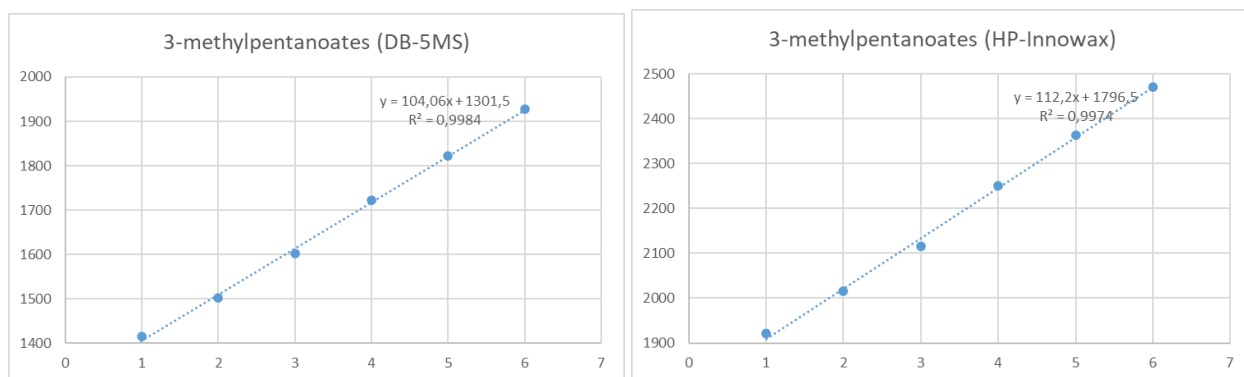


Figure S151. The dependence of RI values of the esters of the same acid (3-methylpentanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

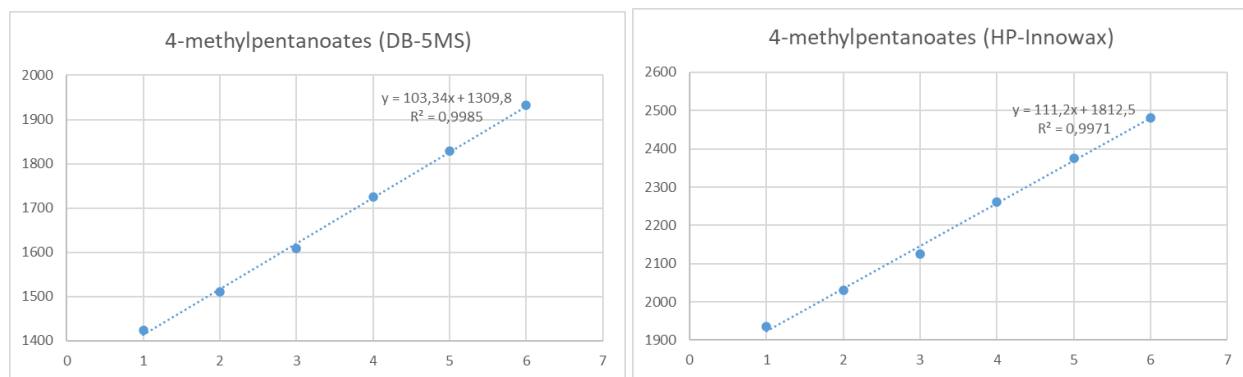


Figure S152. The dependence of RI values of the esters of the same acid (4-methylpentanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)

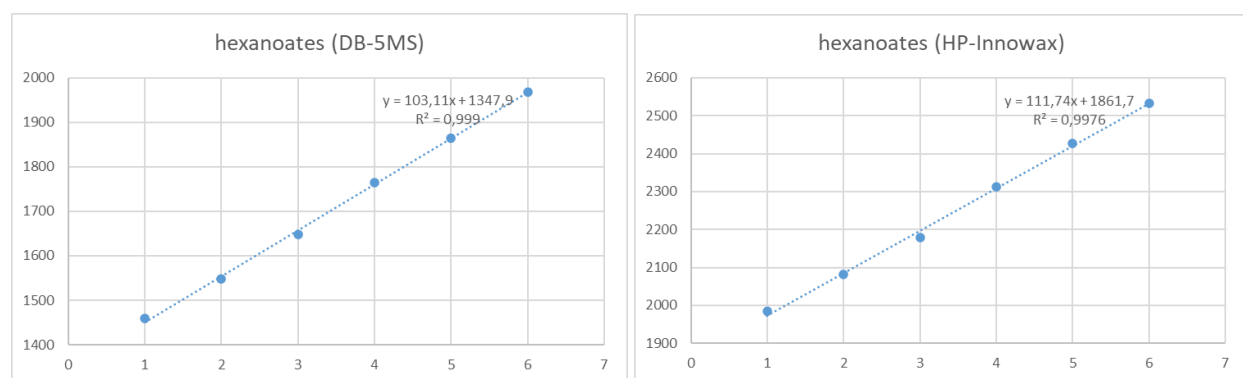


Figure S153. The dependence of RI values of the esters of the same acid (hexanoic acid) and phenol (1), benzyl alcohol (2), phenethyl alcohol (3), 3-phenylpropanol (4), 4-phenylbutanol (5), and 5-phenylpentanol (6)