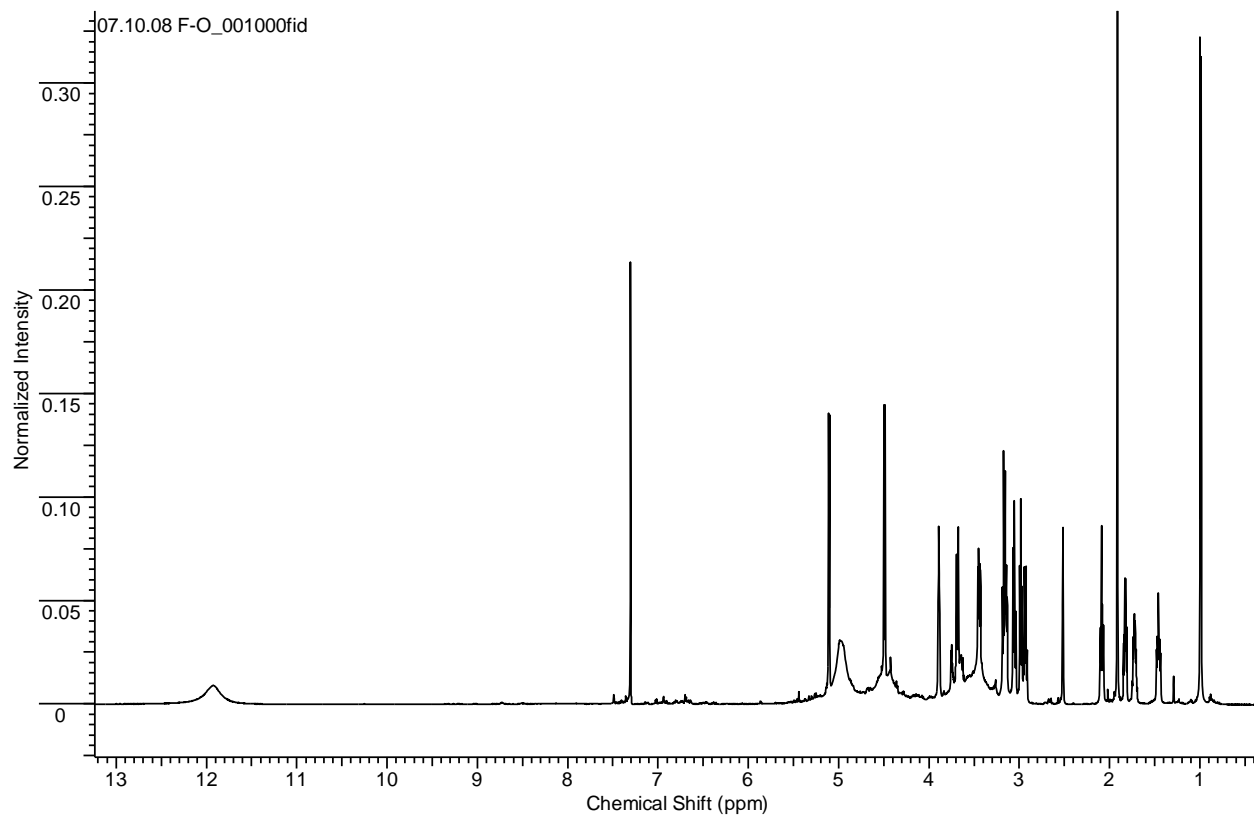
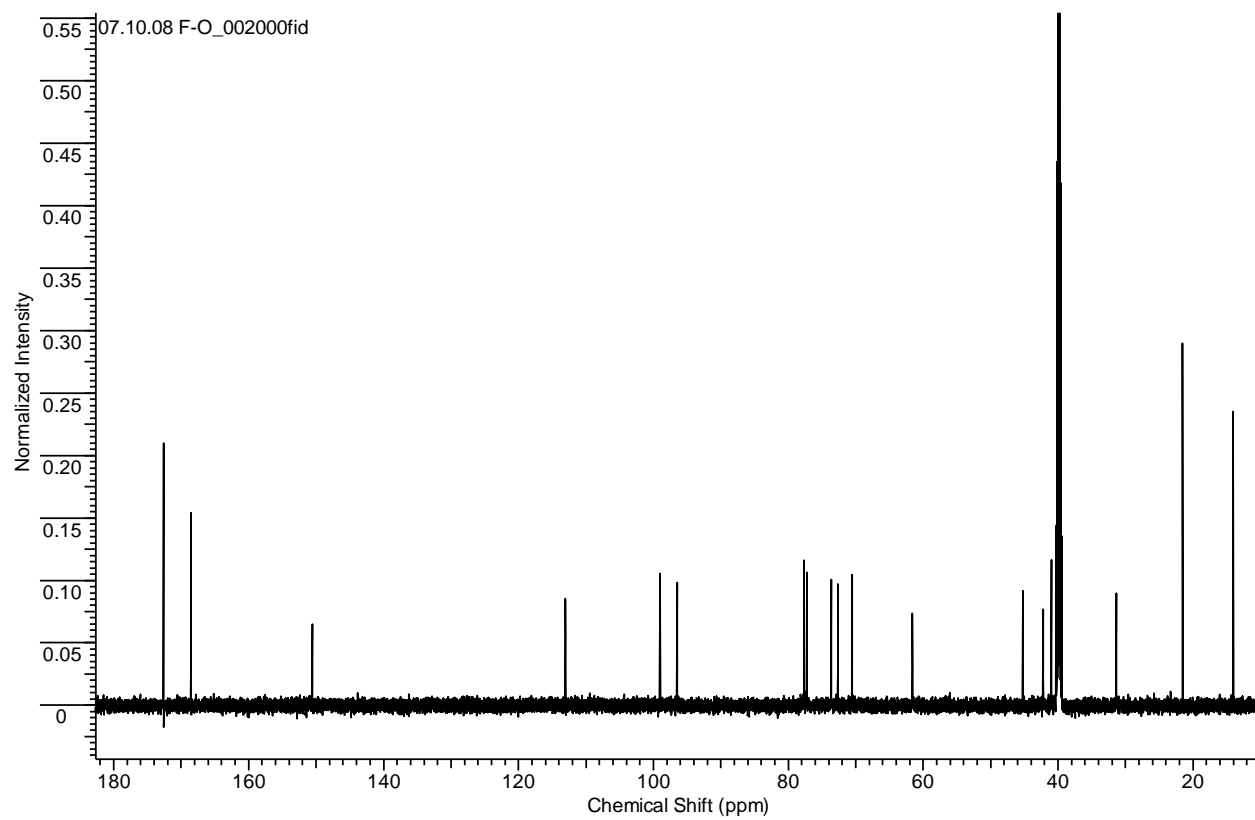


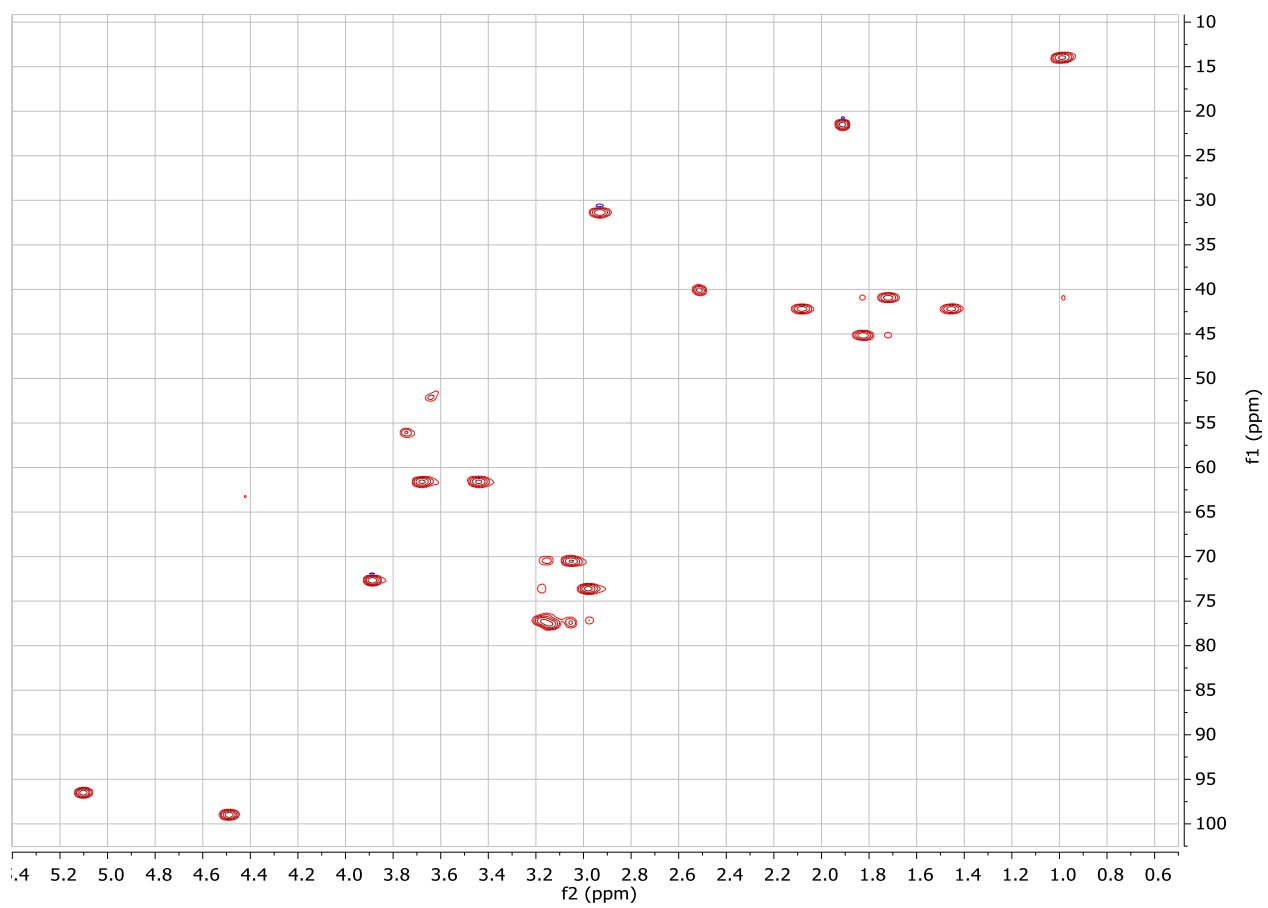
¹H spectrum of isolated loganic acid:



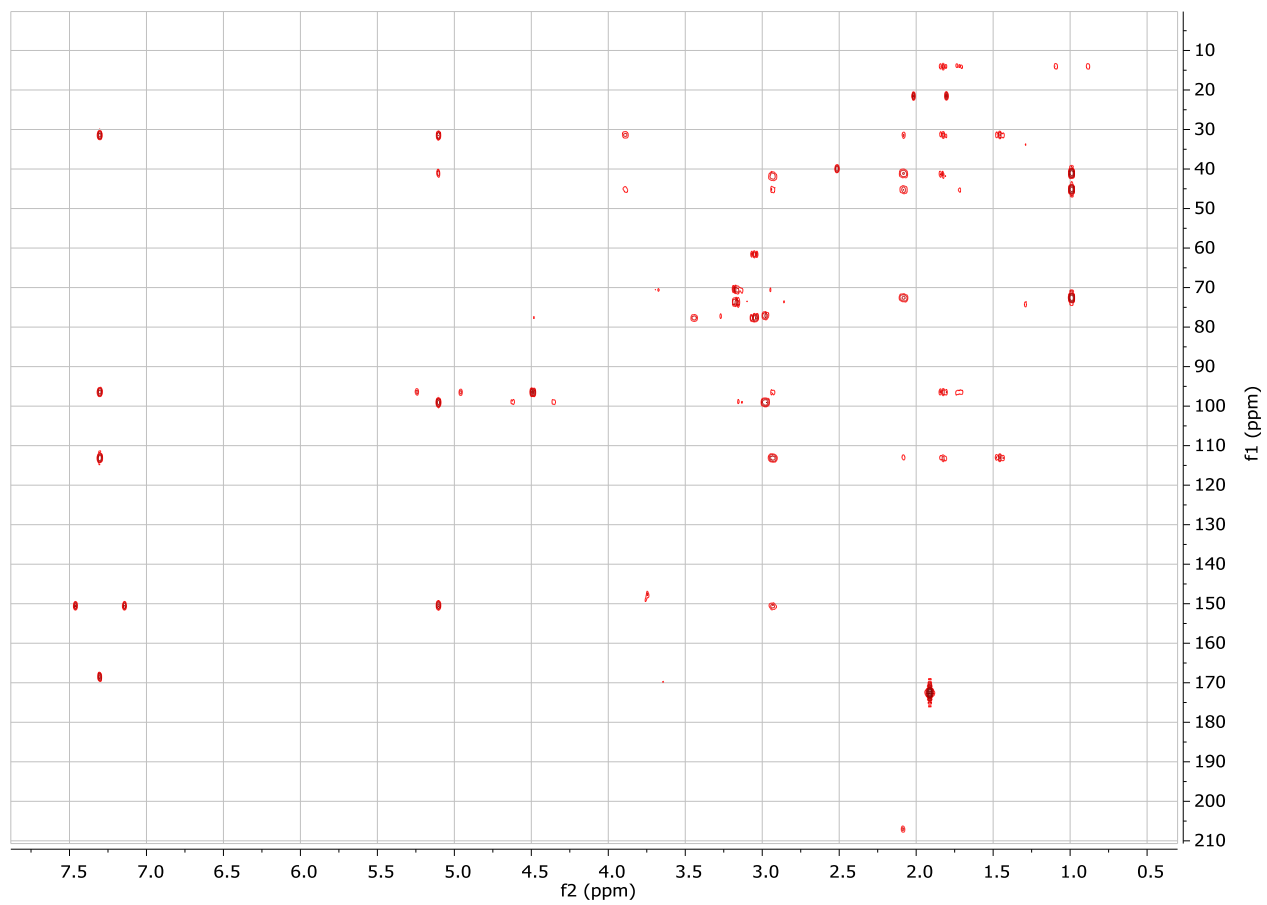
¹³C spectrum of loganic acid:



HSQC spectrum of loganic acid:



HMBC of loganic acid:



ROESY spectrum of loganic acid:

