



Australian Government

**National Measurement
Institute**

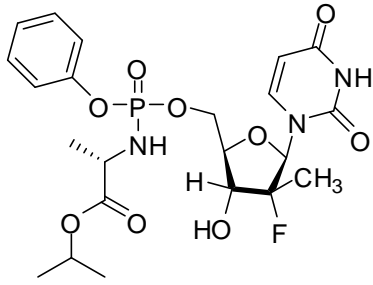
1H AND 13C NMR OF SOFOSBUVIR.



ORGANISATION:

NATIONAL MEASUREMENT INSTITUTE

SOFOSBUVIR



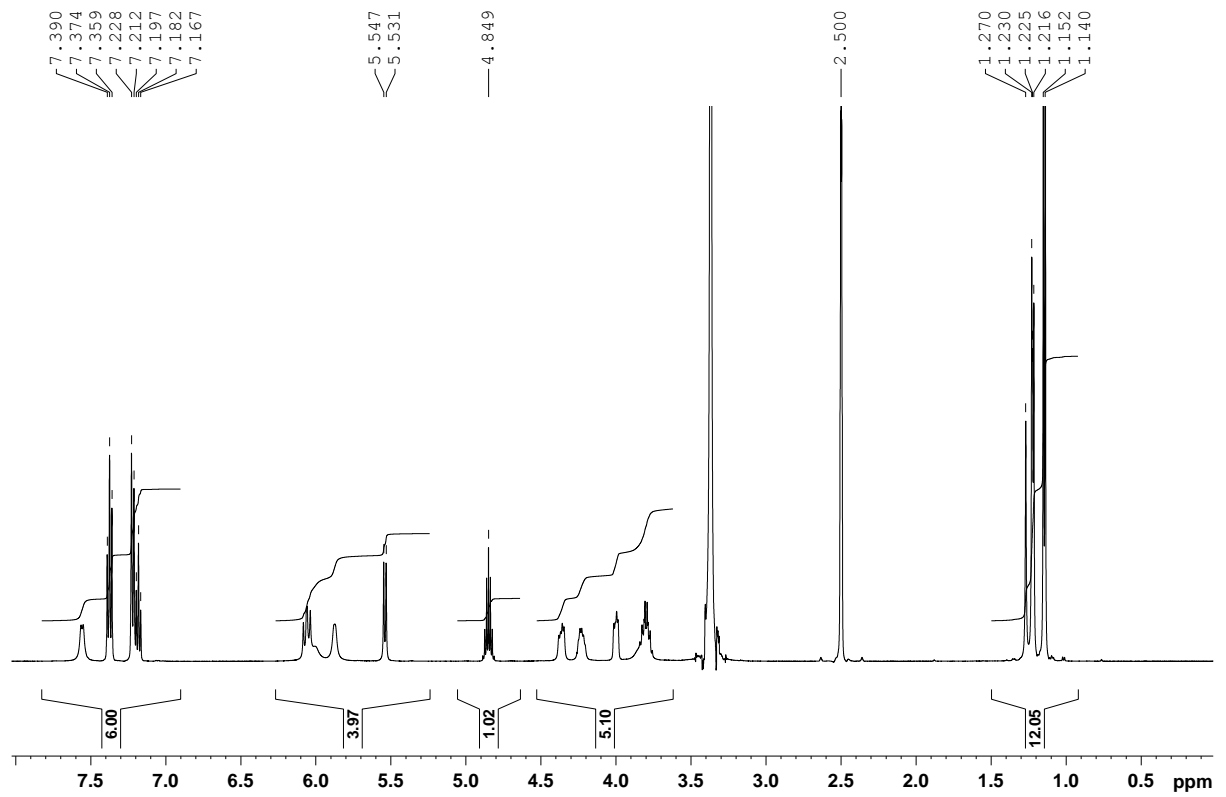
¹H NMR in DMSO-d₆

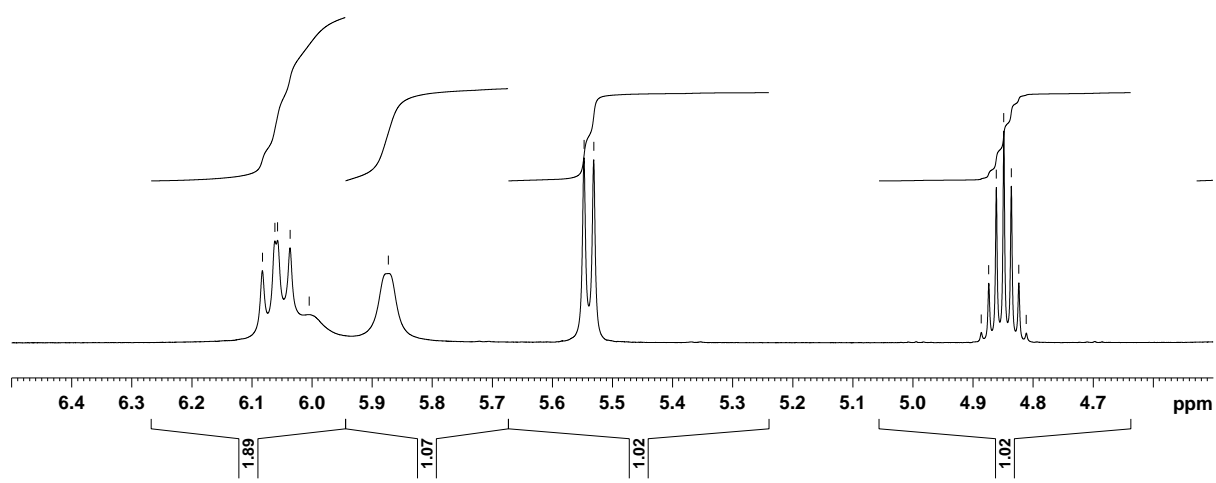
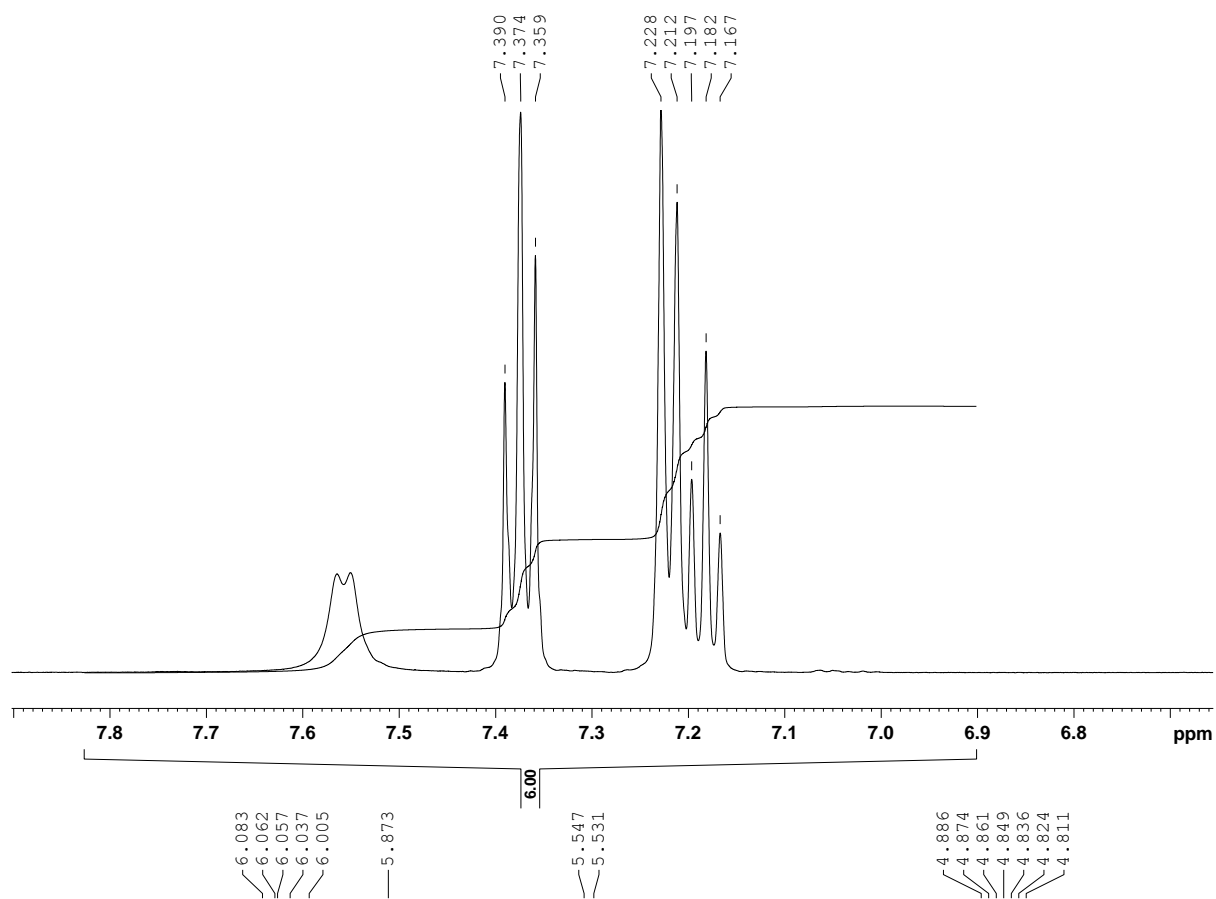
SF01 = 500.13 MHz

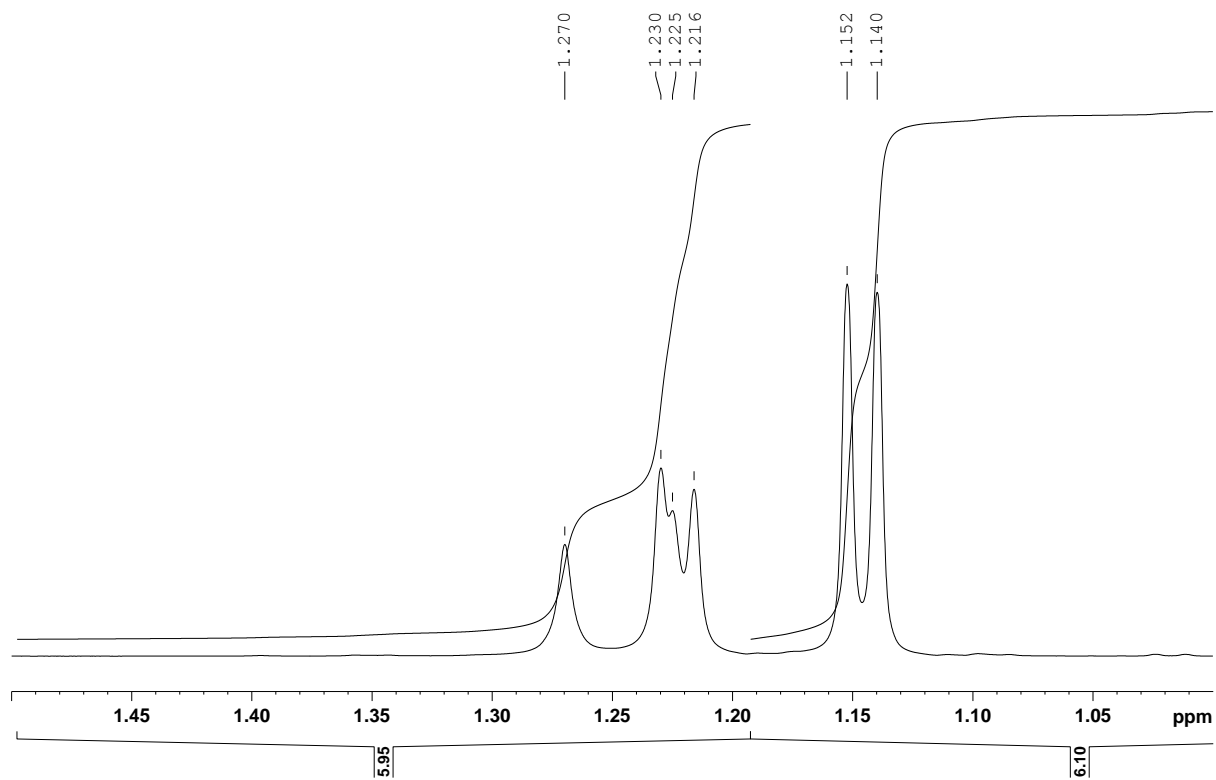
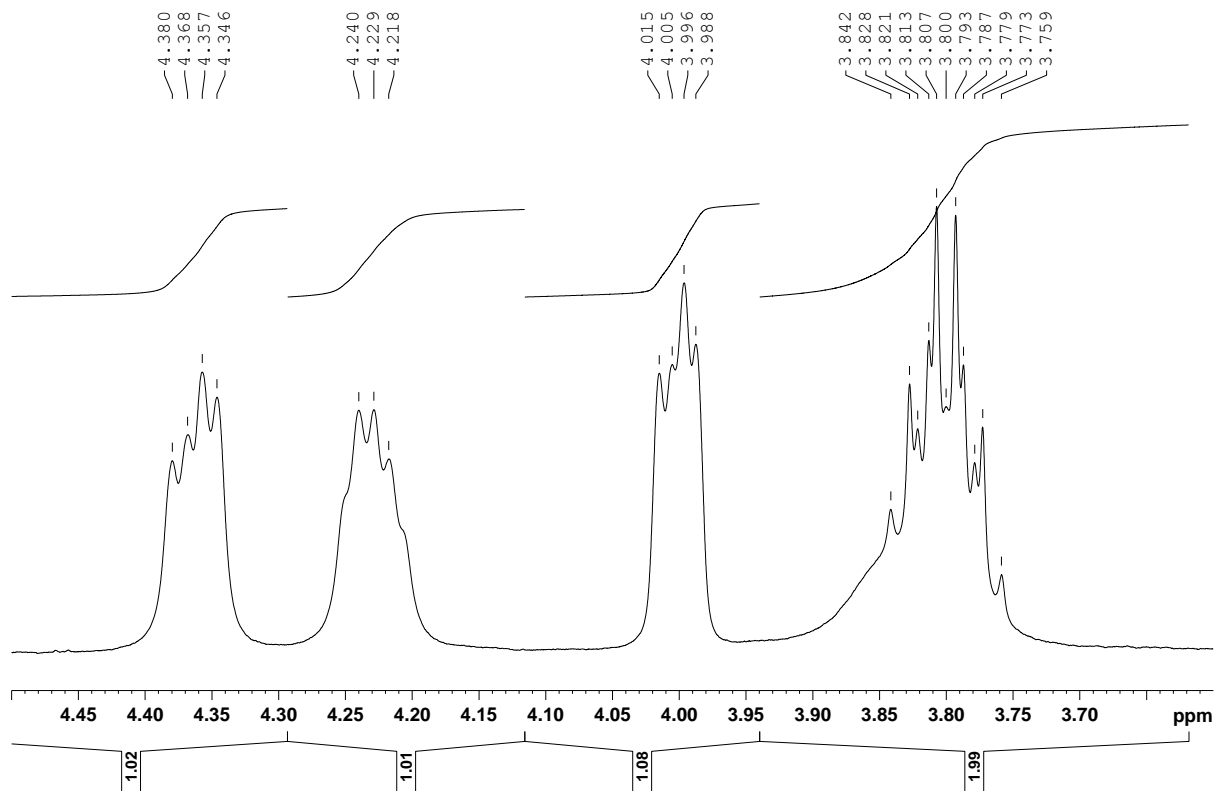
SW = 6000 Hz

D1 = 40 seconds

NS = 64 scans







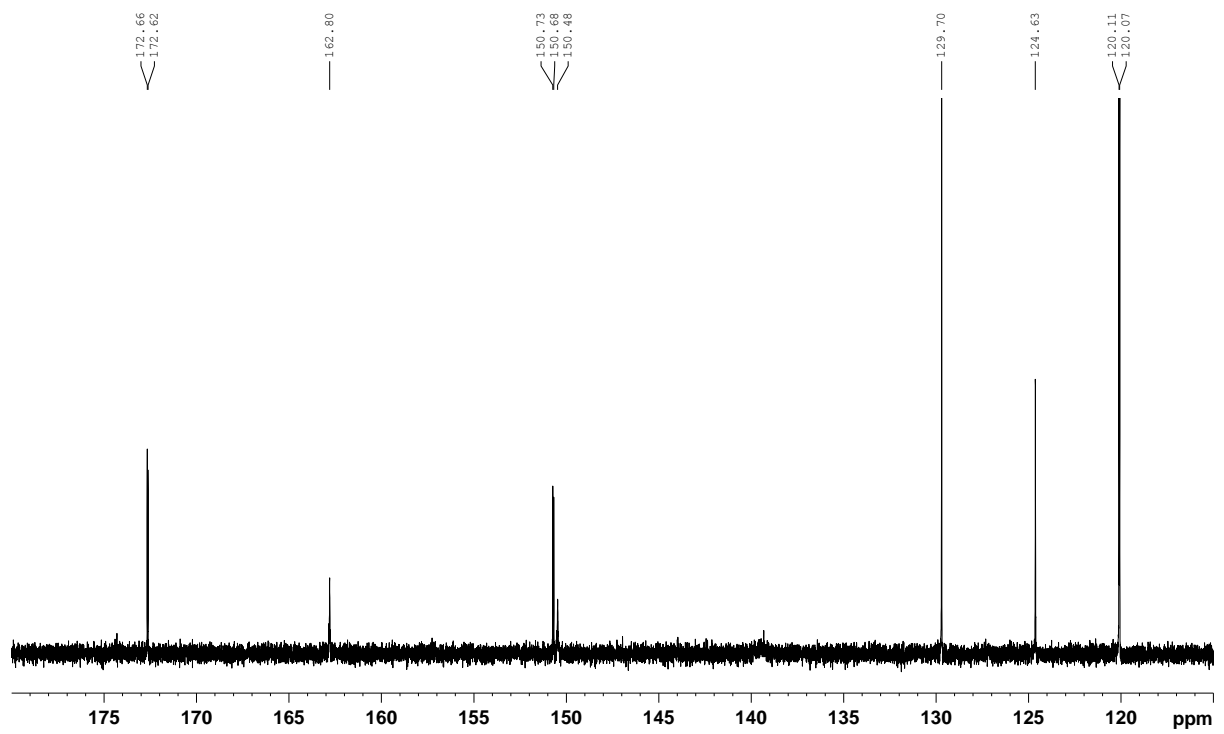
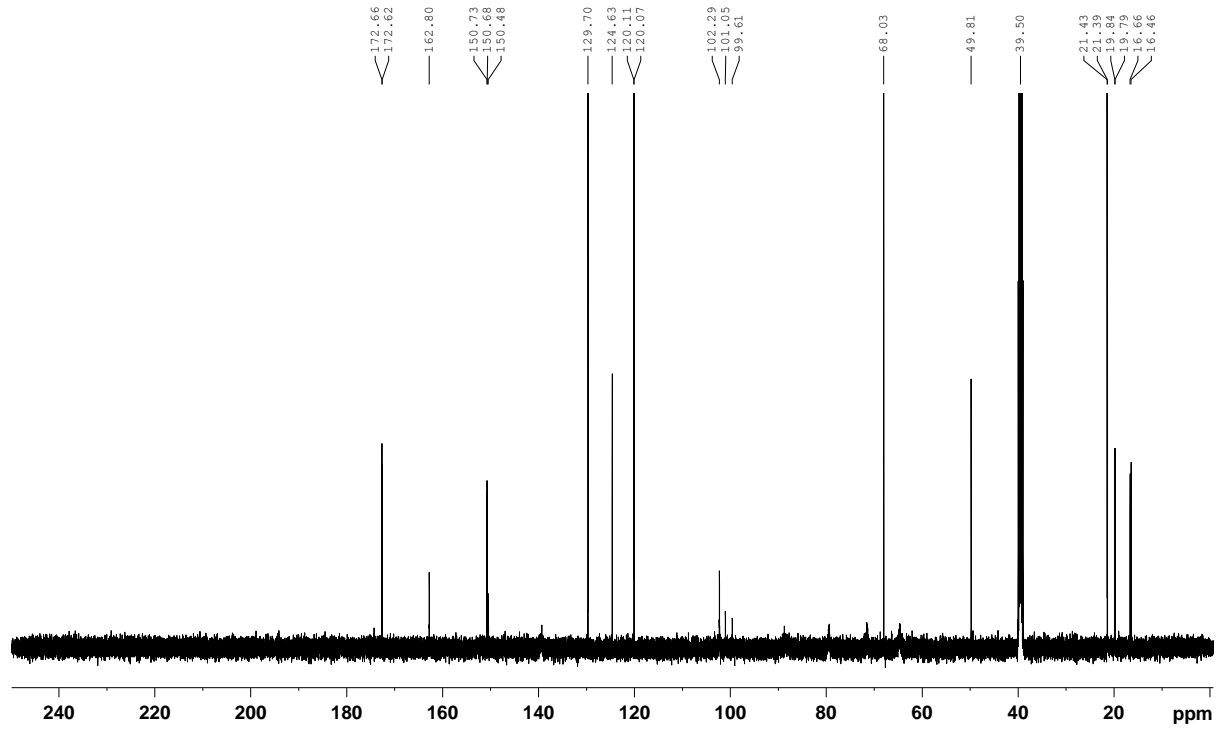
¹³C NMR in DMSO-d6

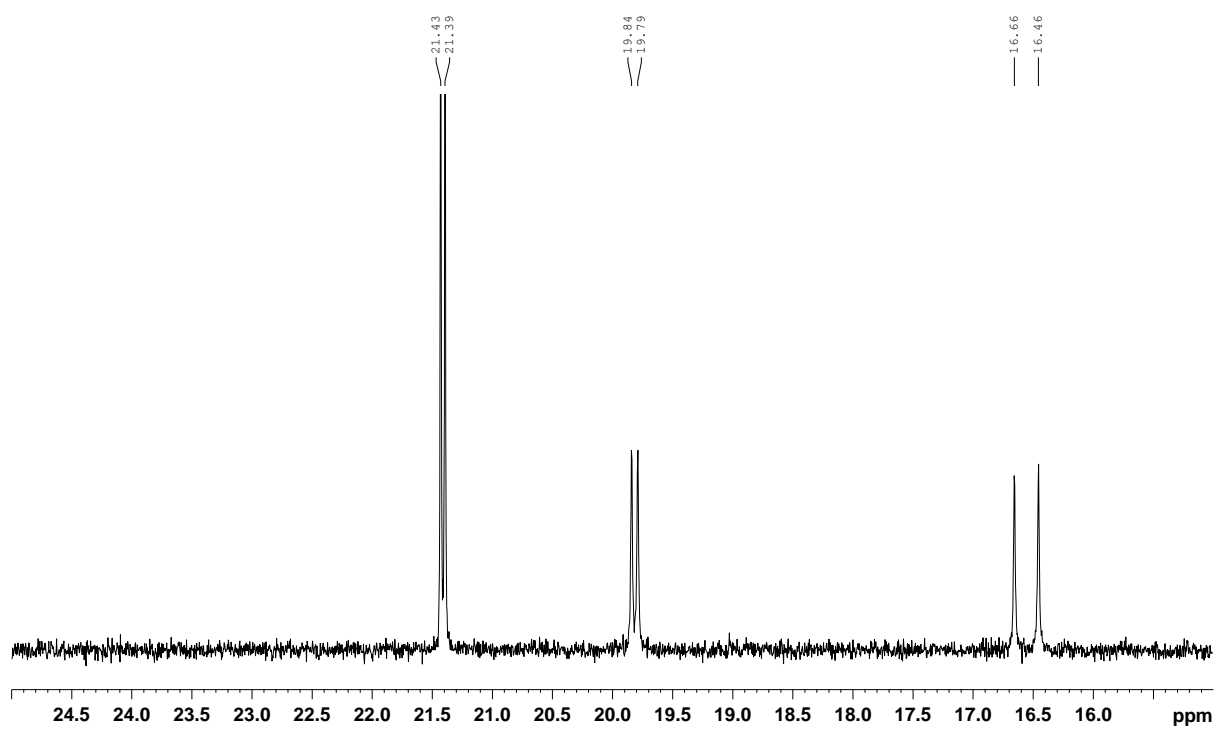
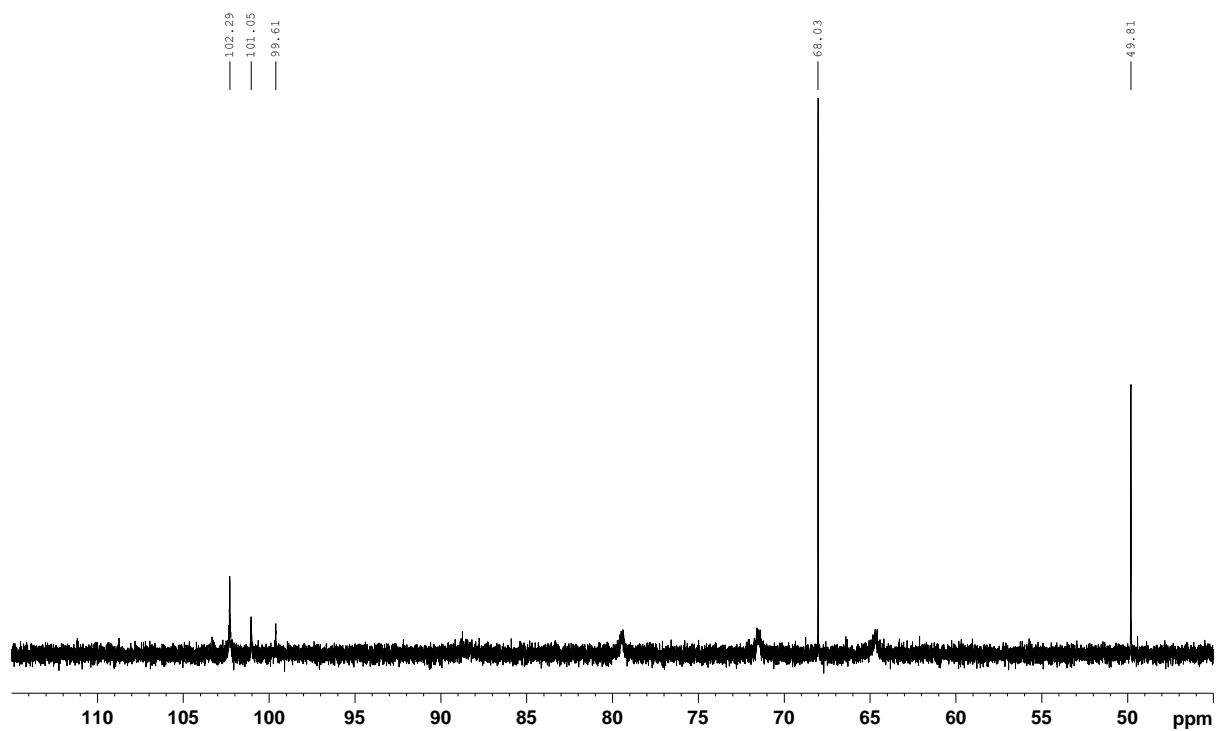
SF01 = 125.77 MHz

SW = 250.55 ppm

D1 = 2 seconds

NS = 1024 scans



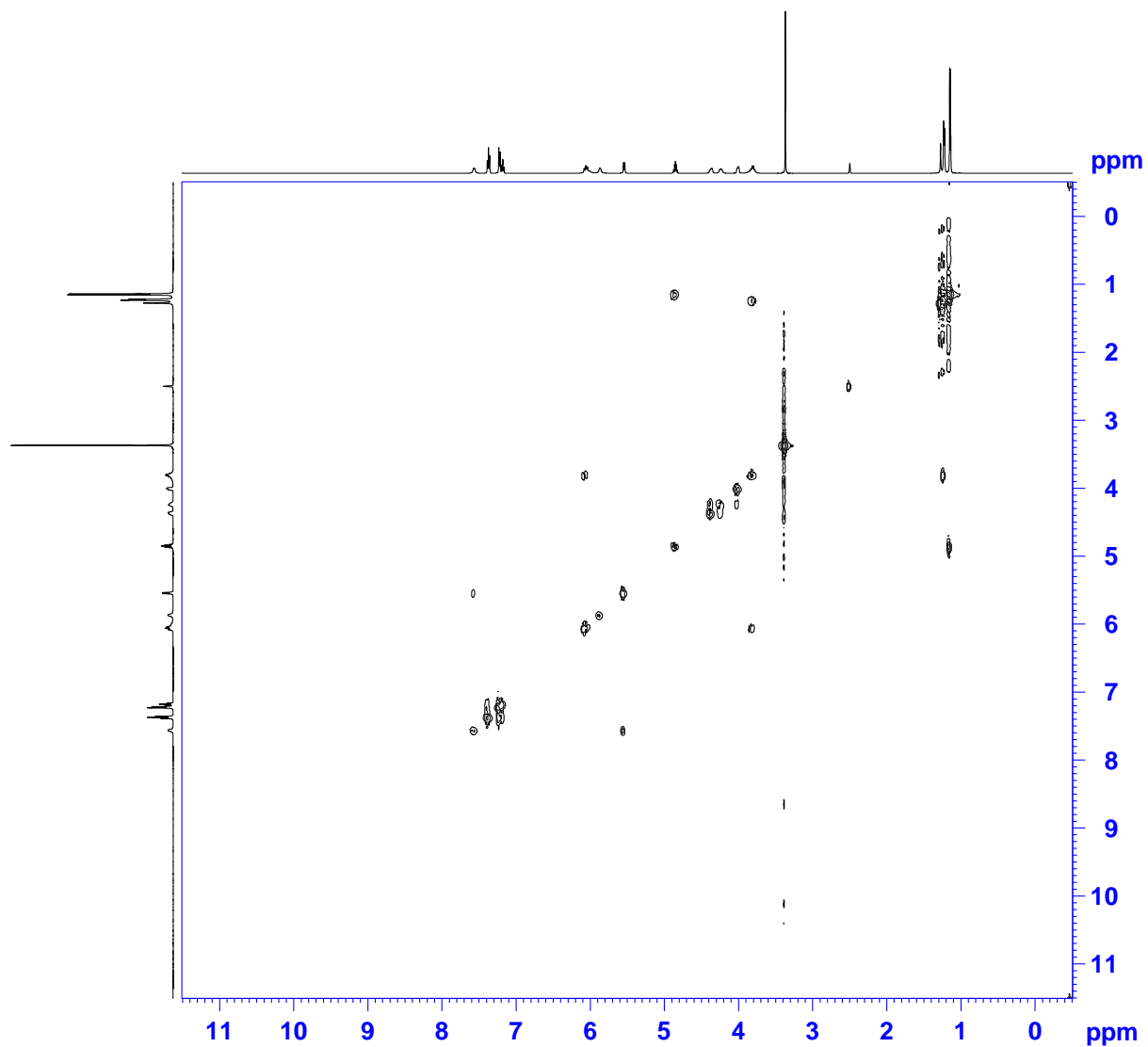


COSY in DMSO-d6

SF01 = 500.133 MHz

SW = 12.016 ppm

NS = 4 scans

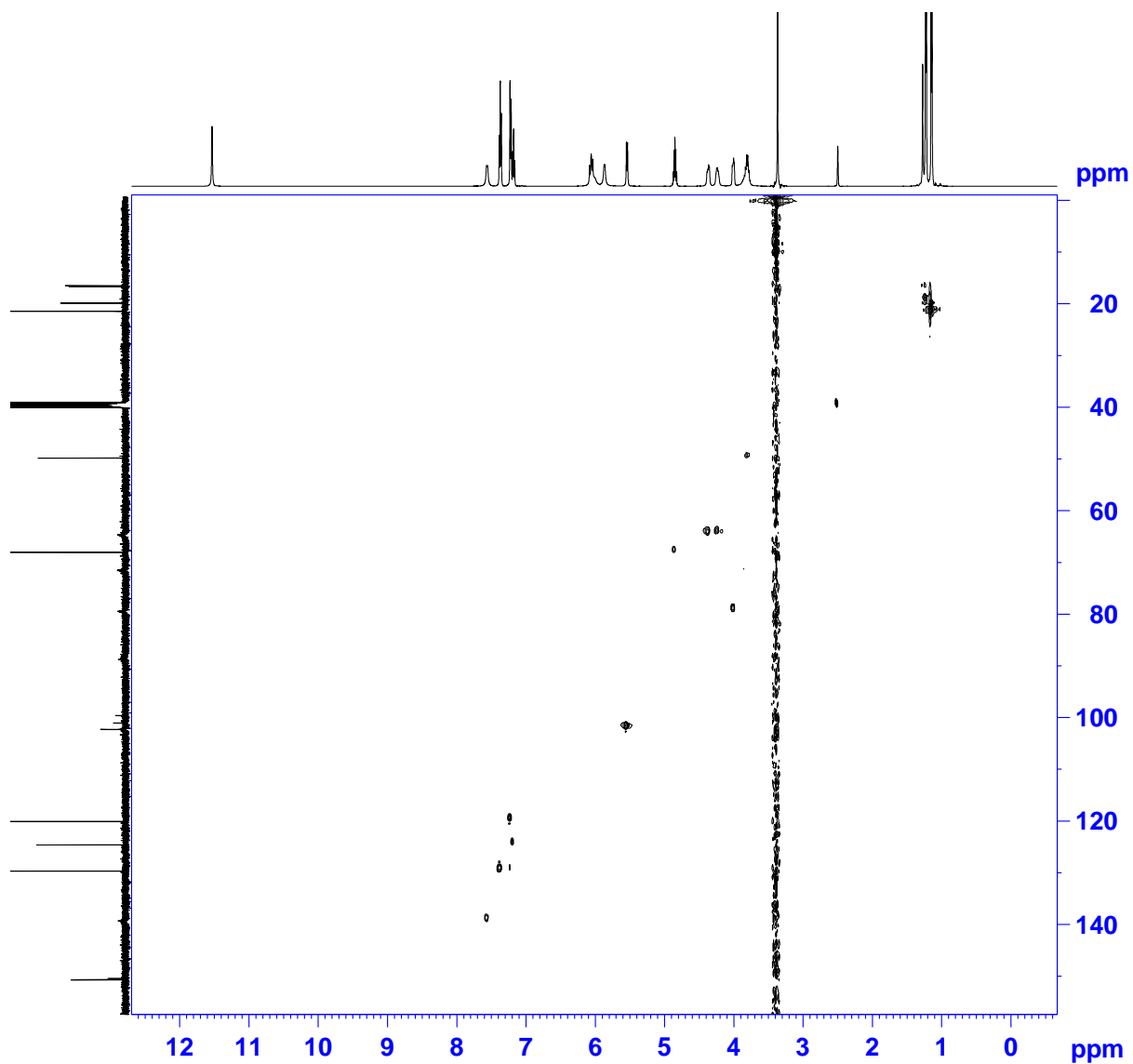


HSQC in DMSO-d6

¹³C
SF01 = 125.77 MHz
SW = 250 ppm

¹H
SF01 = 500.13 MHz
SW = 13.3654 ppm

NS = 4 scans



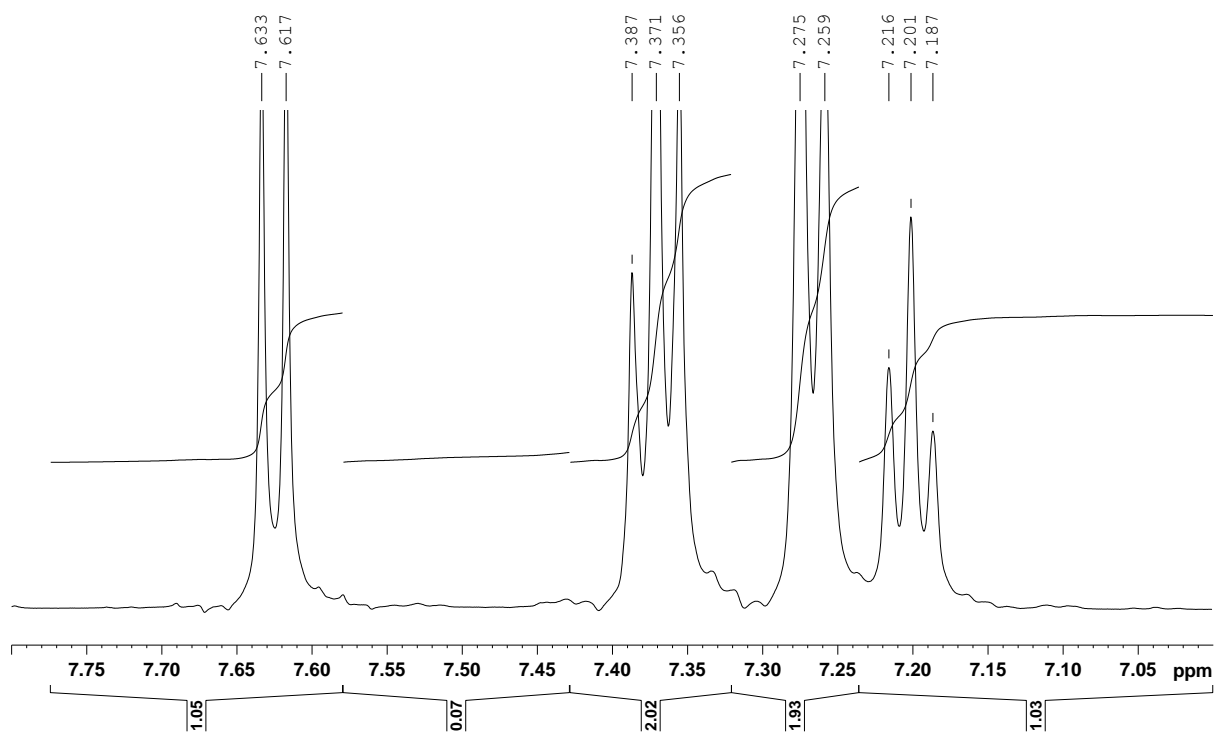
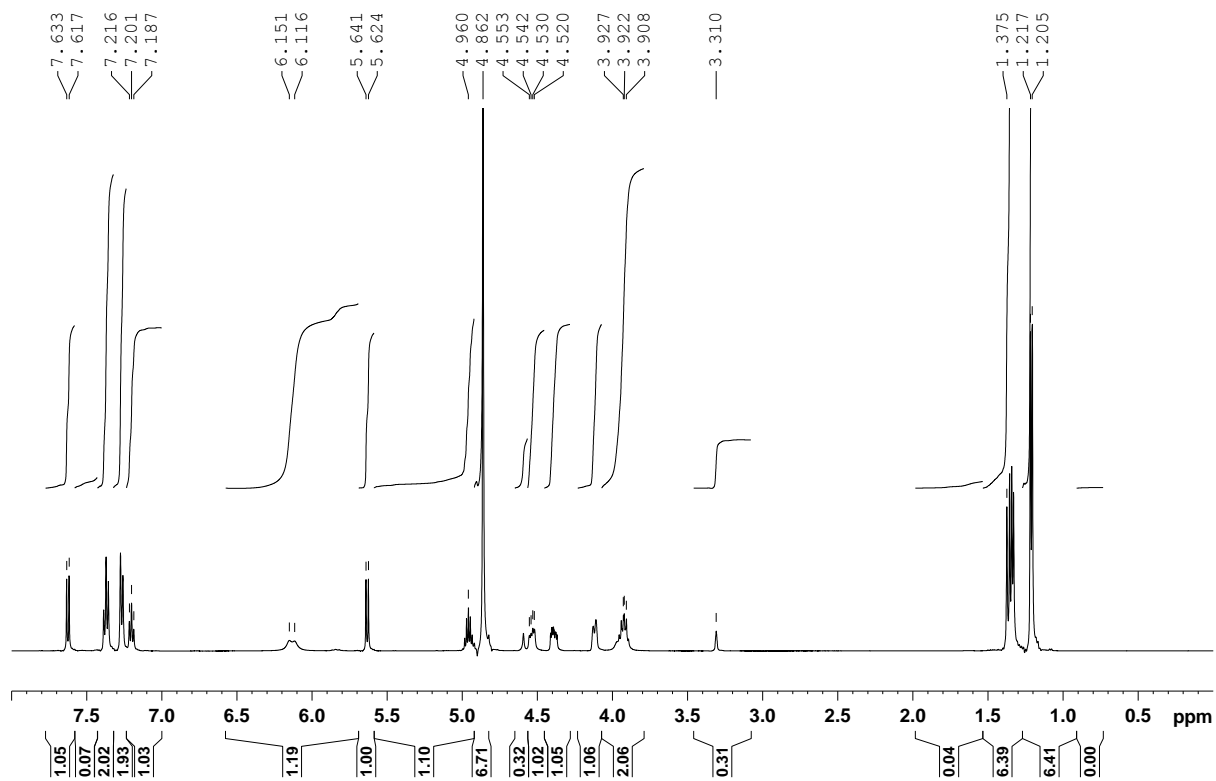
¹H NMR in MeOH-d4

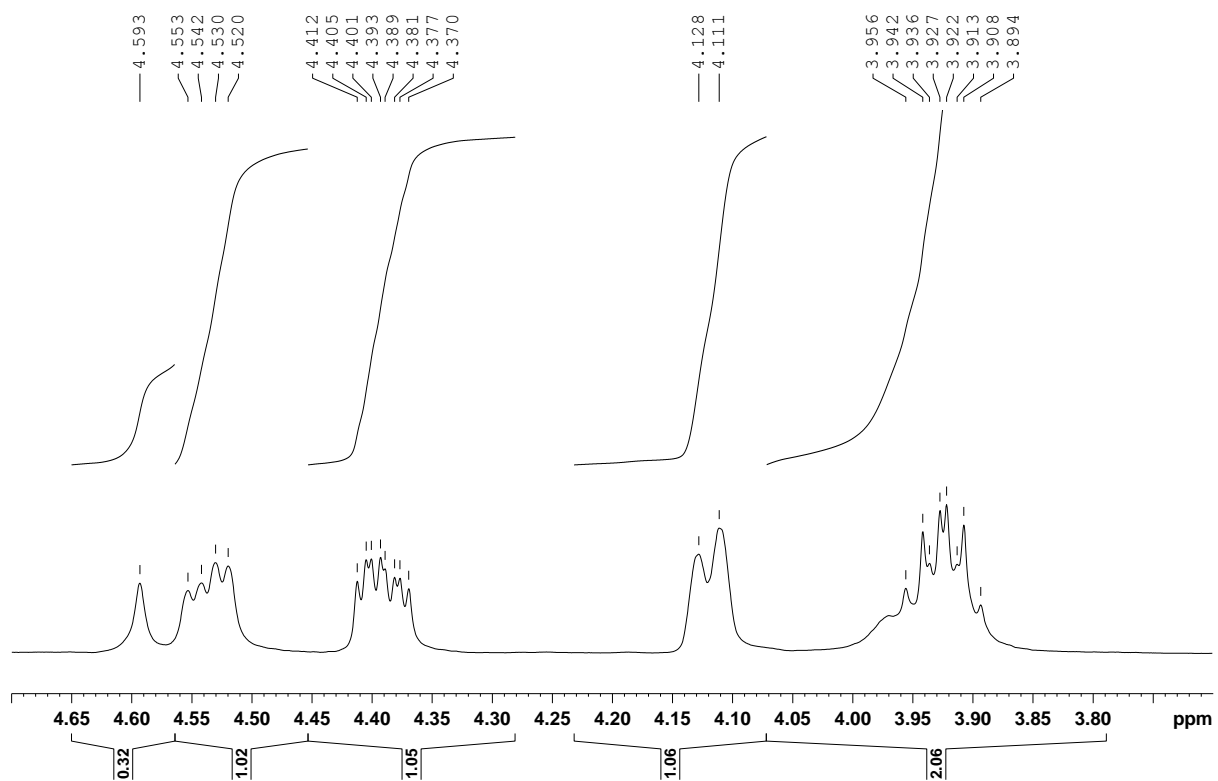
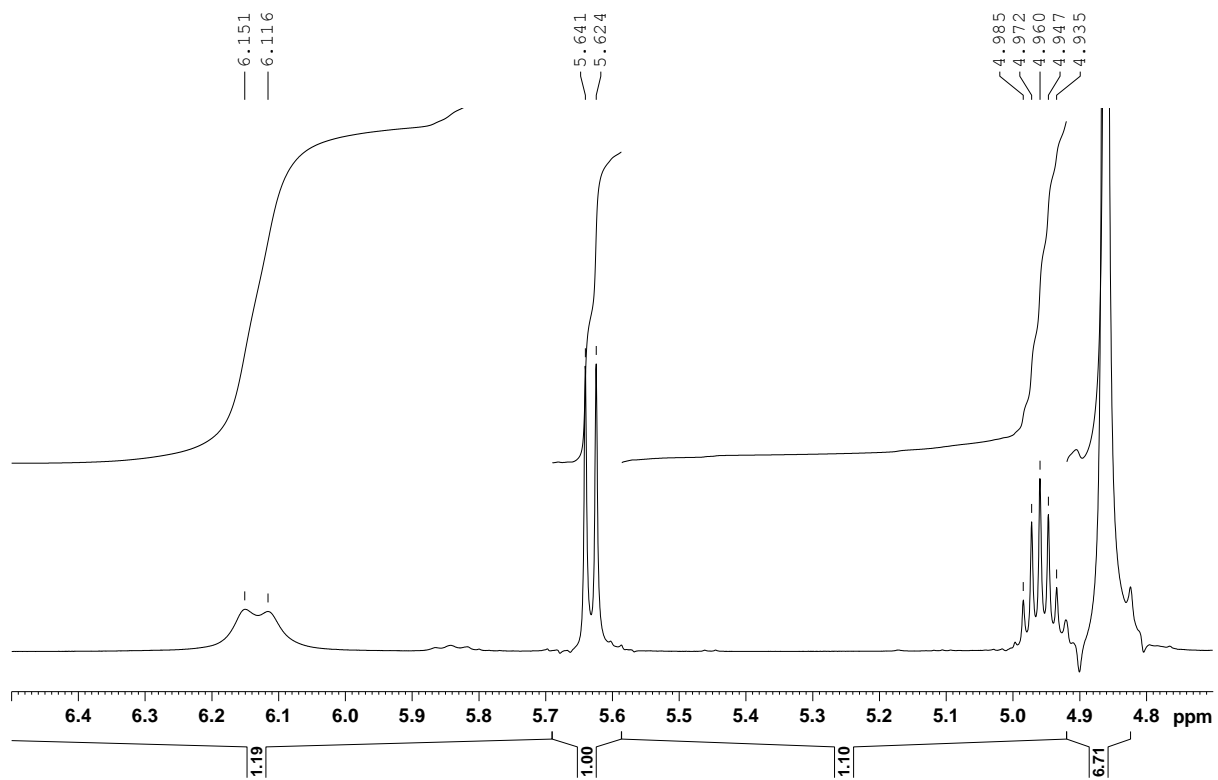
SF01 = 500.13 MHz

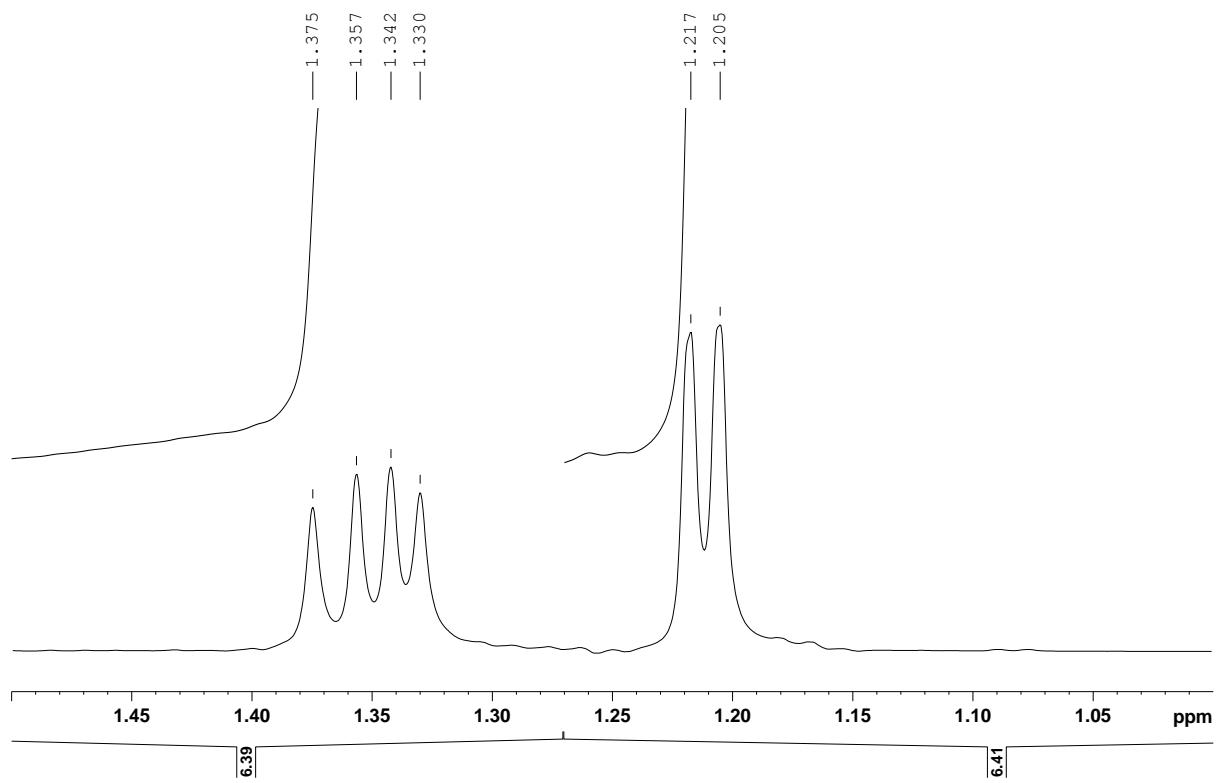
SW = 14.9960 ppm

D1 = 5 seconds

NS = 8 scans







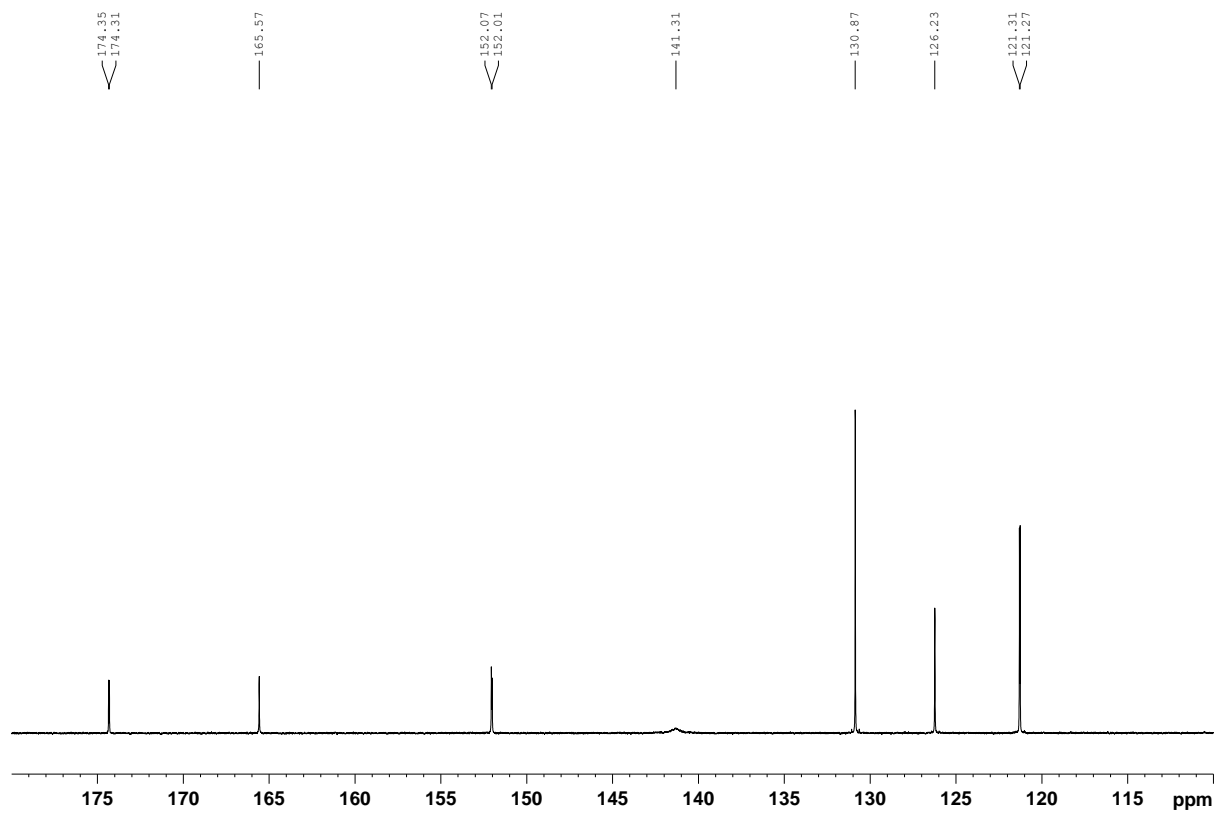
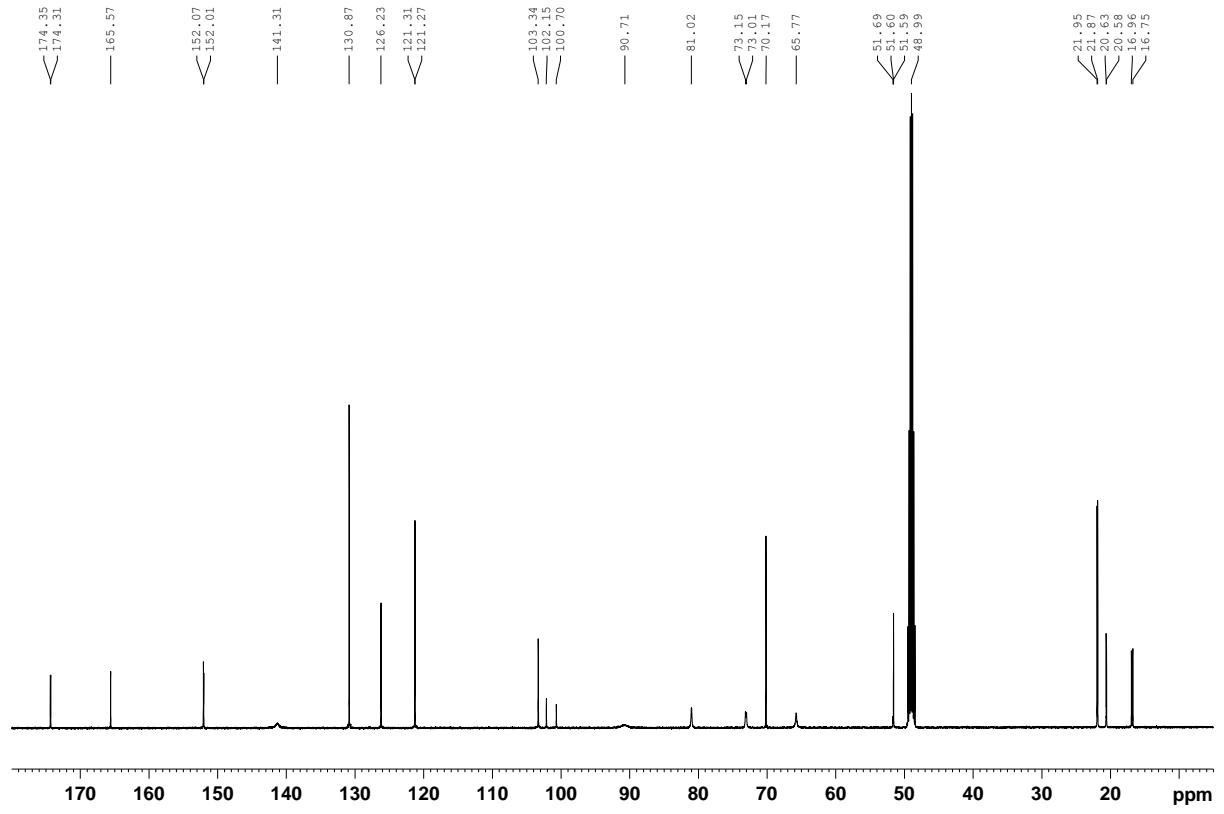
¹³C NMR in MeOH-d4

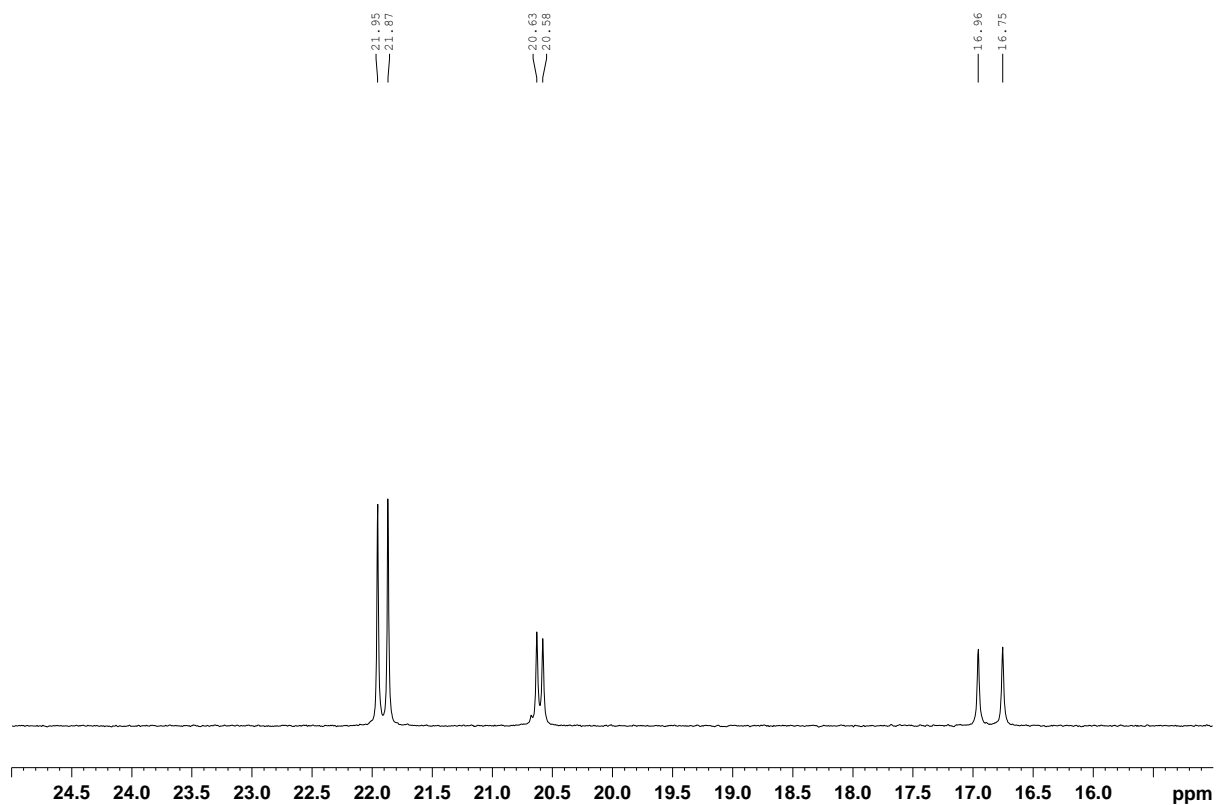
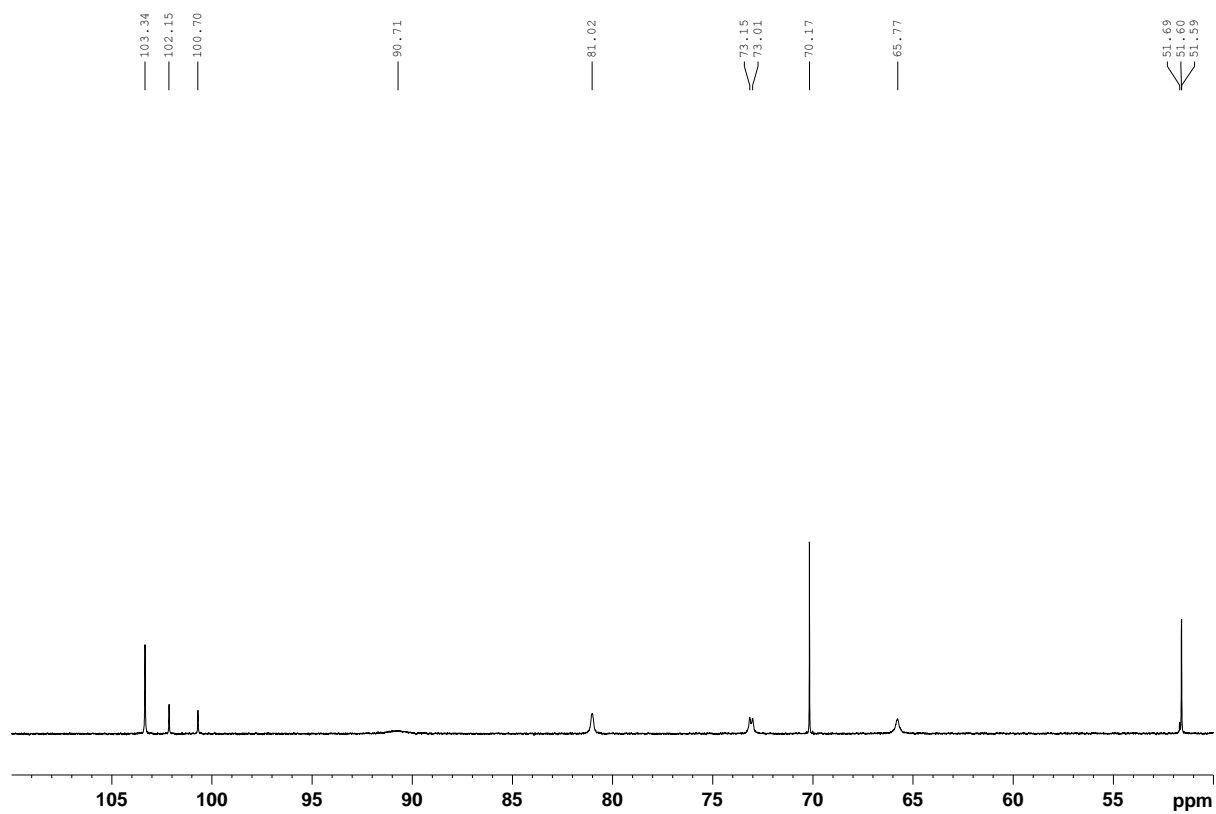
SF01 = 125.77 MHz

SW = 250.55 ppm

D1 = 2 seconds

NS = 1024 scans



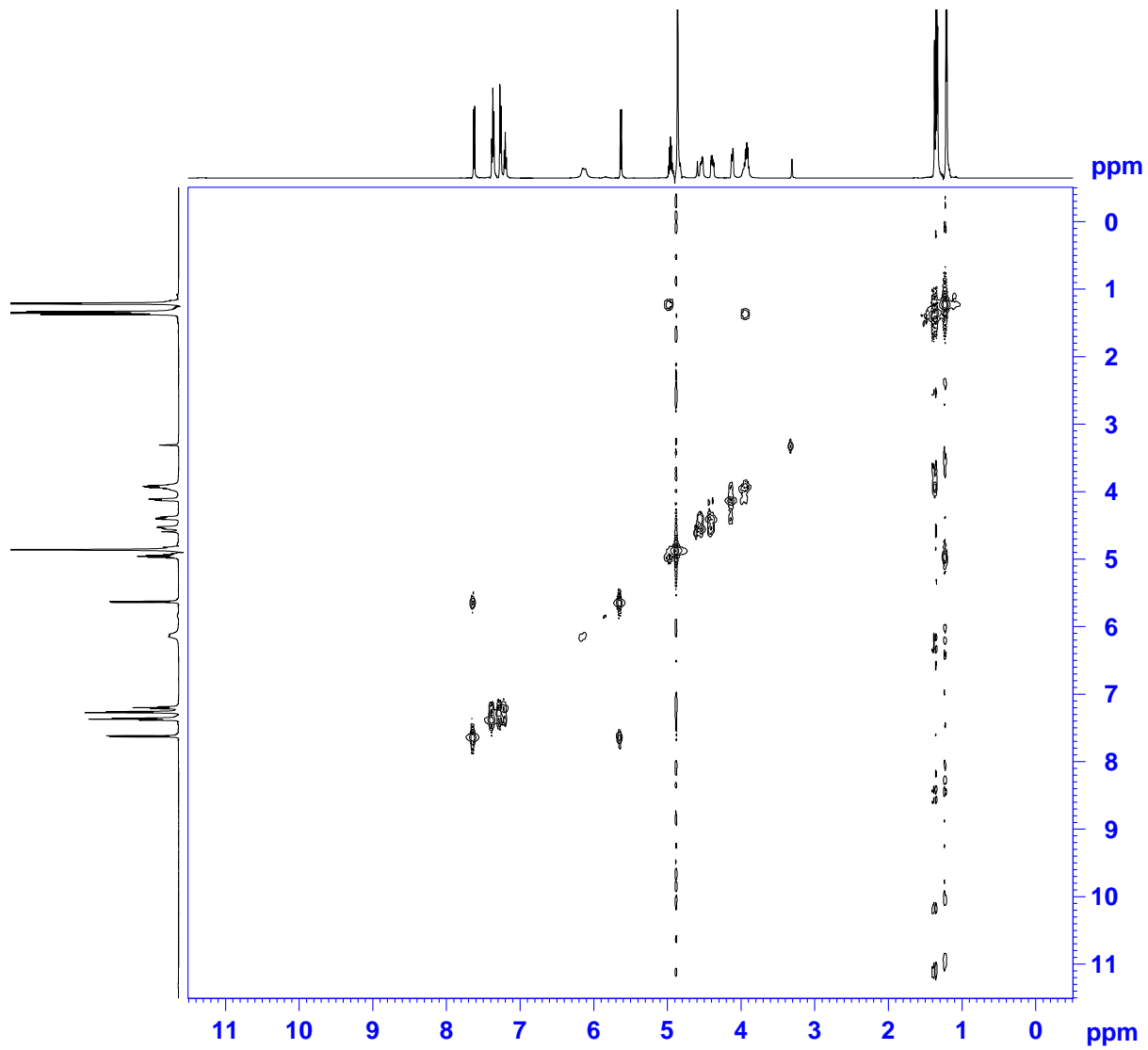


COSY in MeOH-d4

SF01 = 500.133 MHz

SW = 12.016 ppm

NS = 4 scans

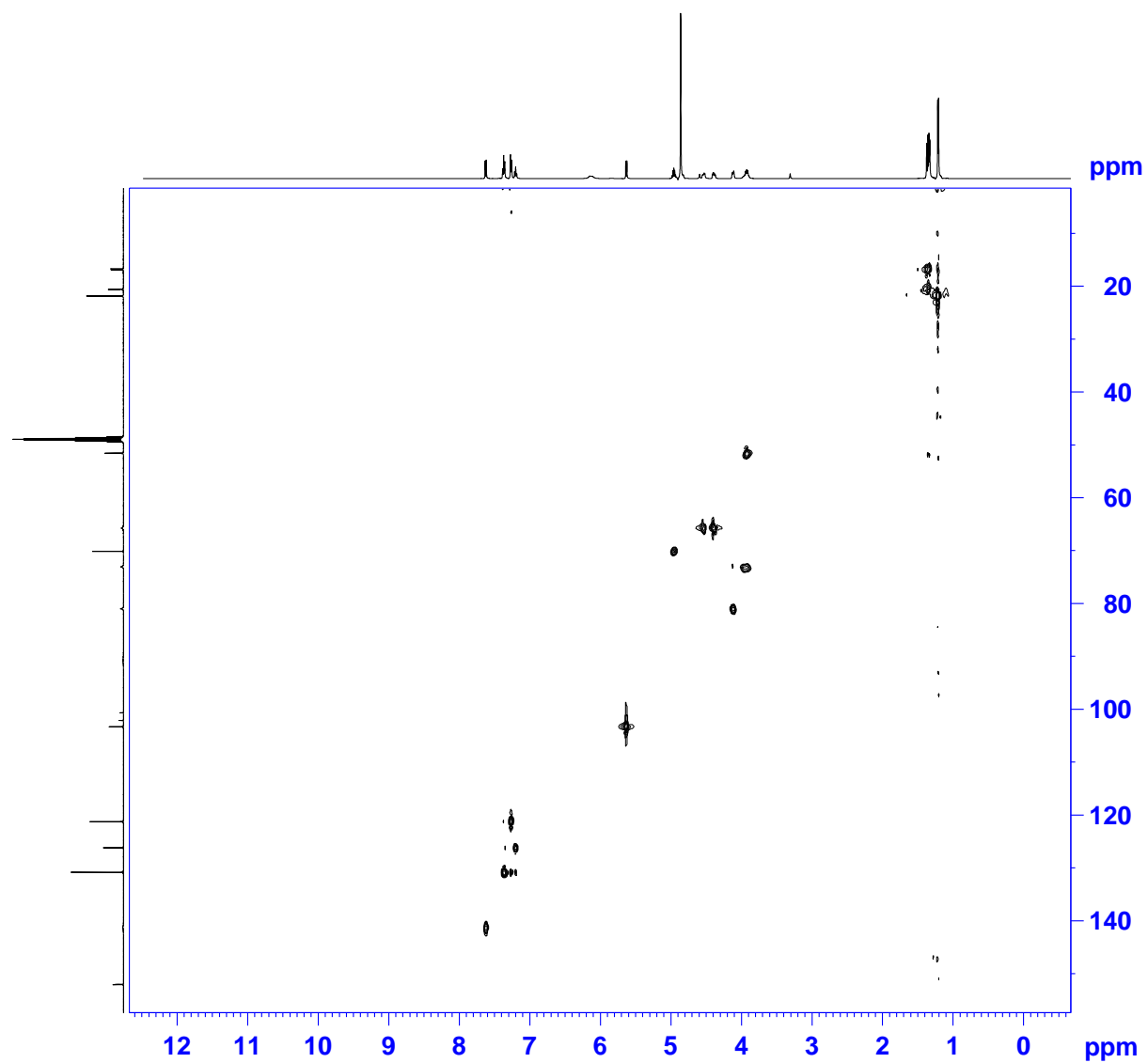


HSQC in MeOH-d4

¹³C
SF01 = 125.77 MHz
SW = 250 ppm

¹H
SF01 = 500.13 MHz
SW = 13.3654 ppm

NS = 4 scans

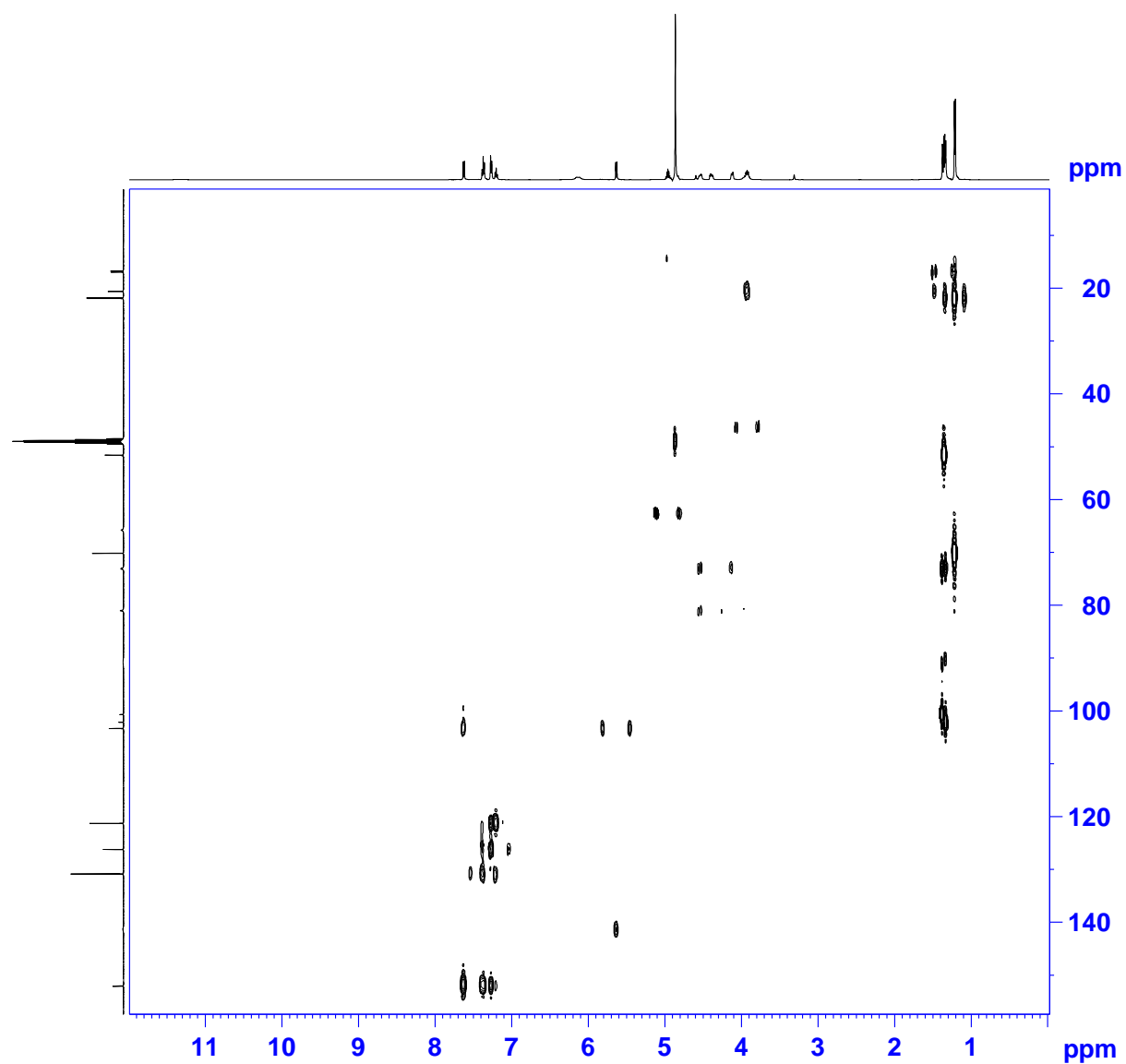


HMBC in MeOH-d4

¹³C
SF01 = 125.77 MHz
SW = 250 ppm

¹H
SF01 = 500.13 MHz
SW = 12.0160 ppm

NS = 8 scans



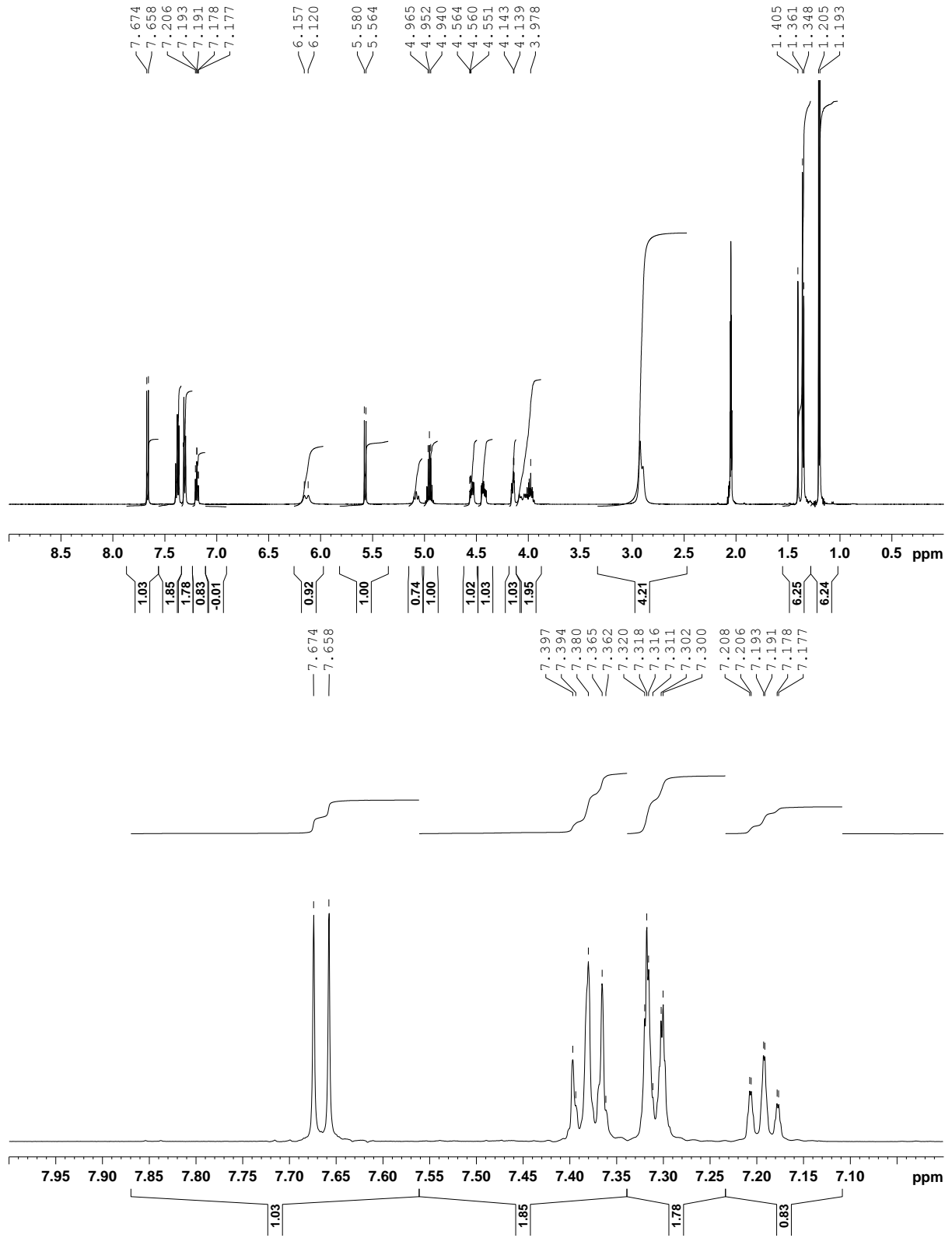
¹H NMR in acetone-d6

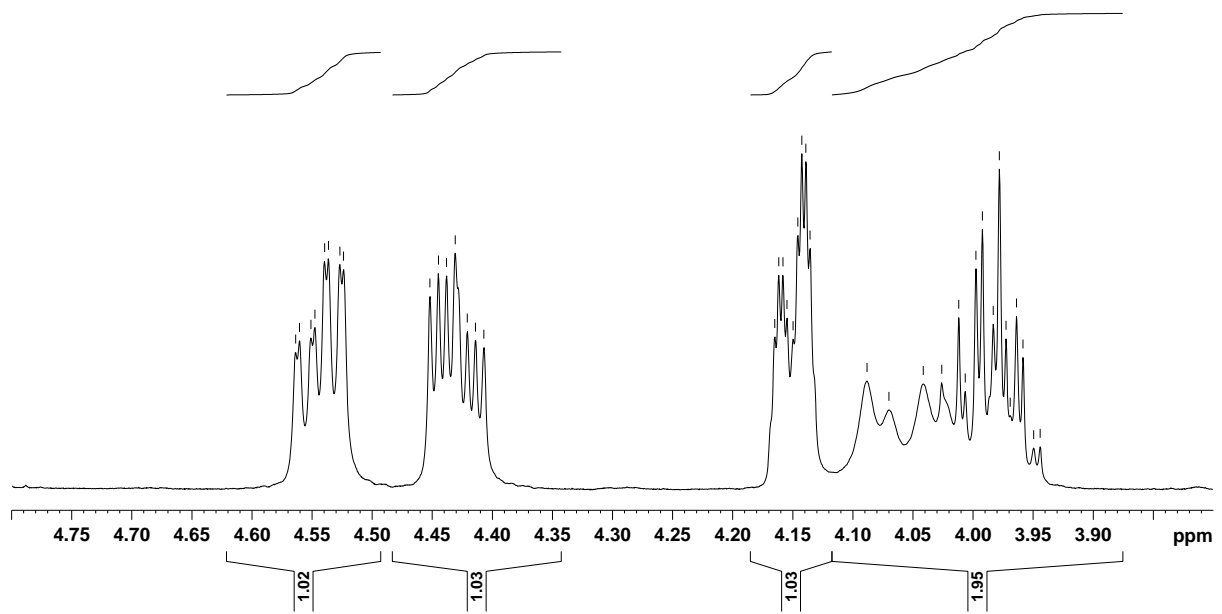
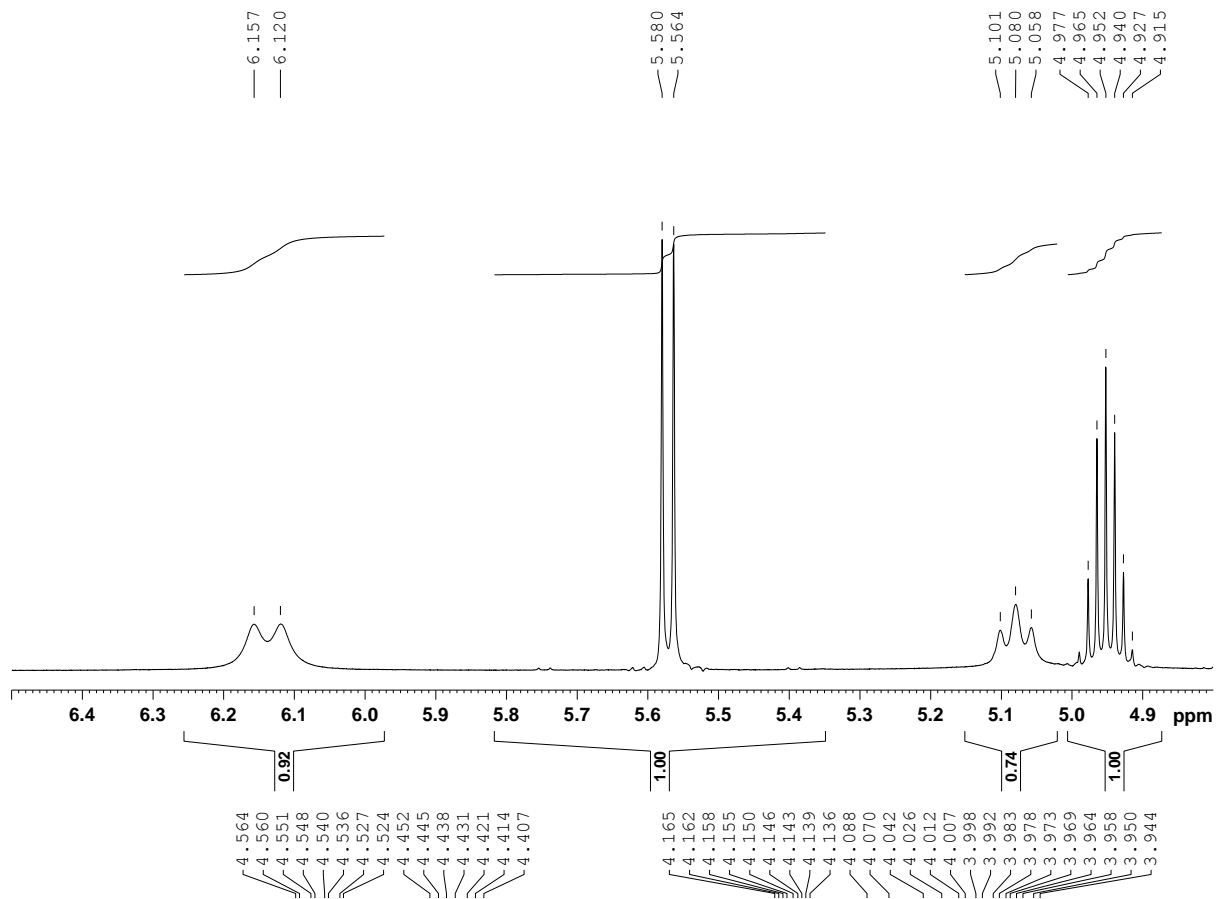
SF01 = 500.13 MHz

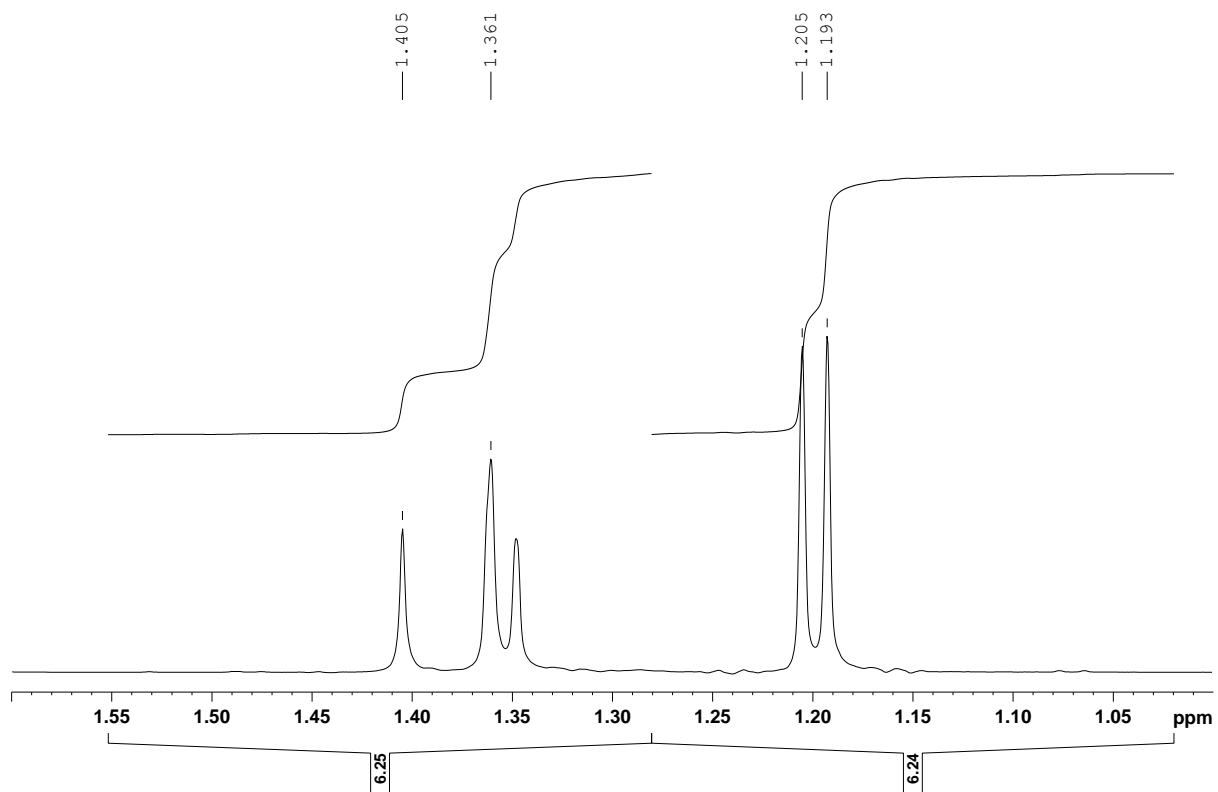
SW = 15.0 ppm

D1 = 5 seconds

NS = 8 scans







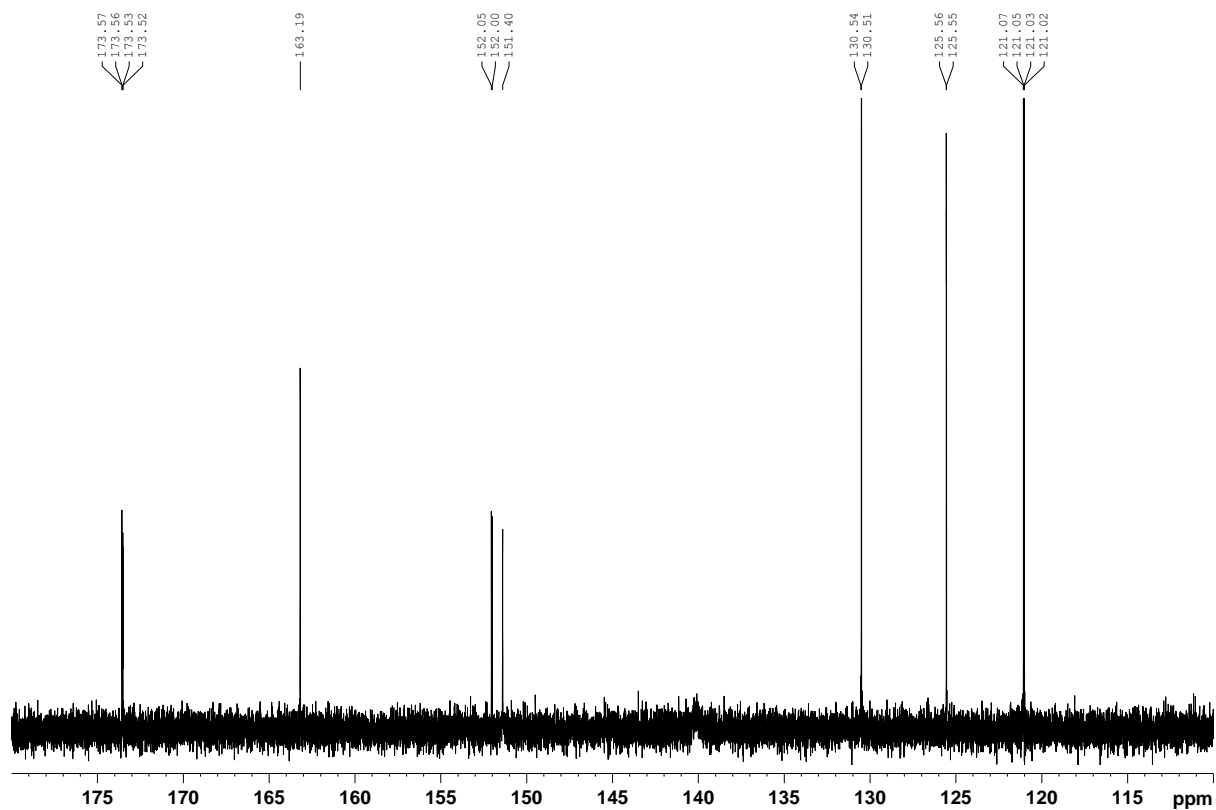
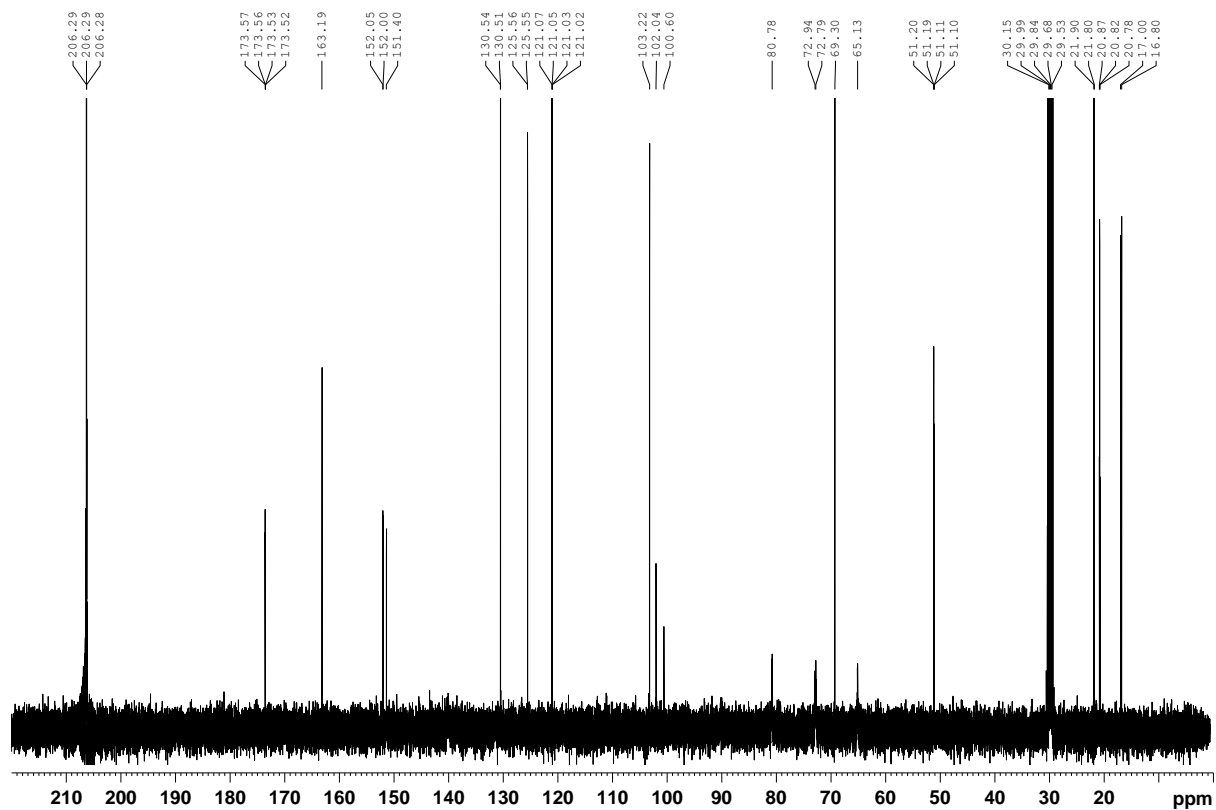
¹³C NMR in acetone-d6

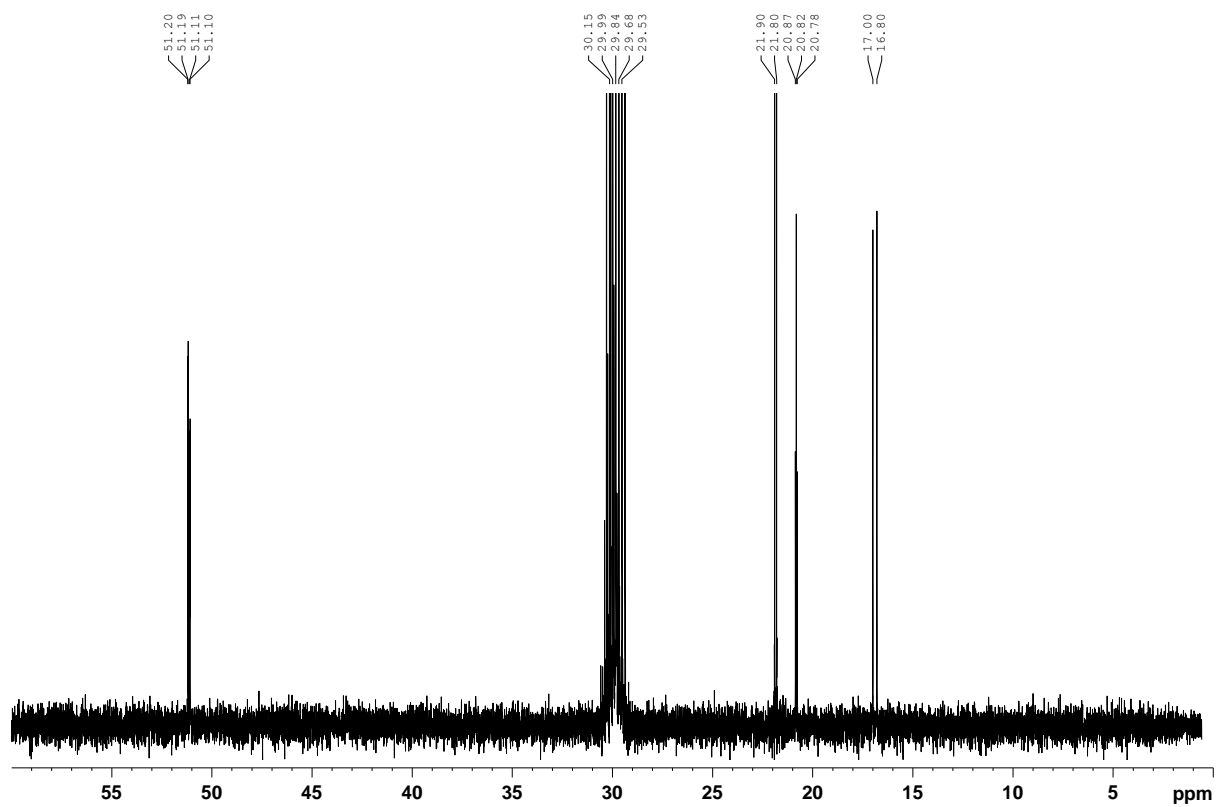
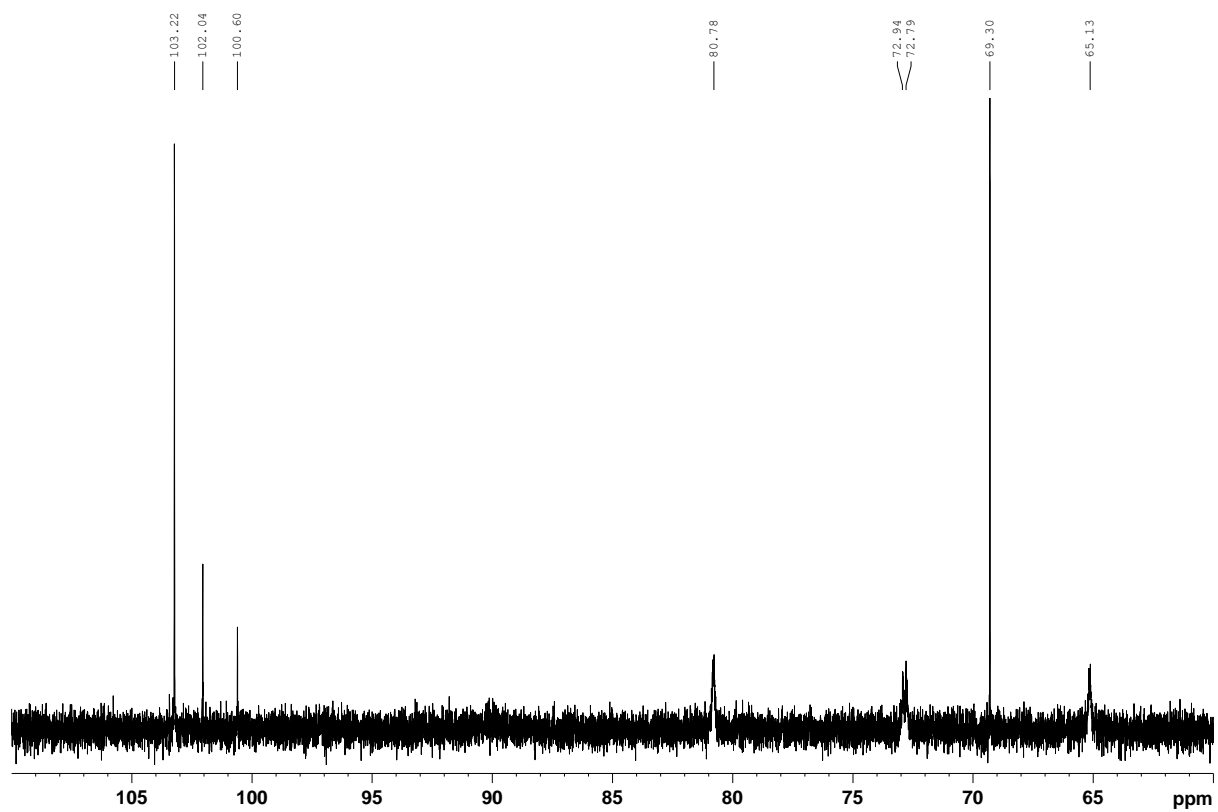
SF01 = 125.77 MHz

SW = 250.55 ppm

D1 = 2 seconds

NS = 1024 scans



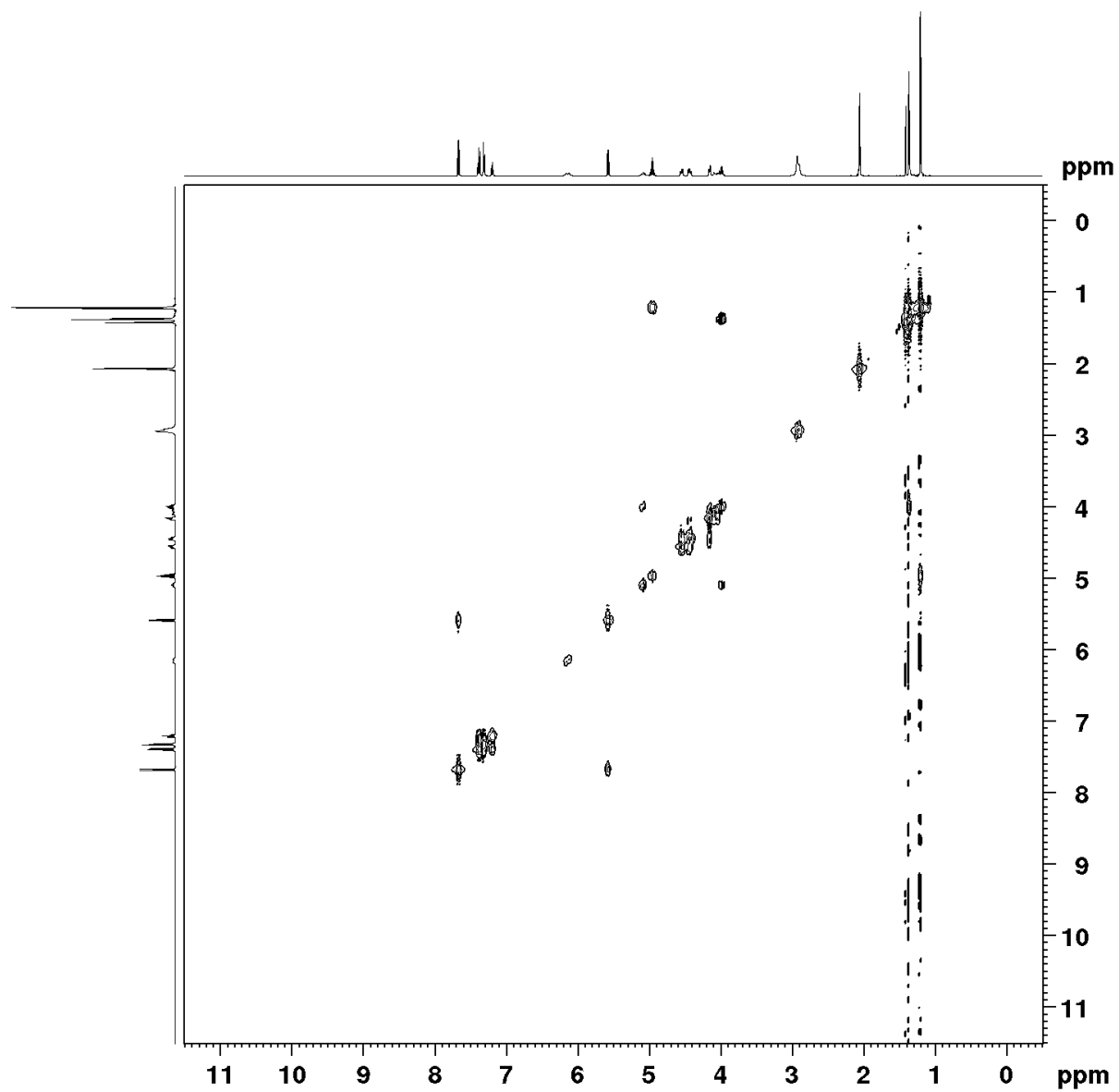


COSY in acetone-d6

SF01 = 500.133 MHz

SW = 13.0 ppm

NS = 4 scans

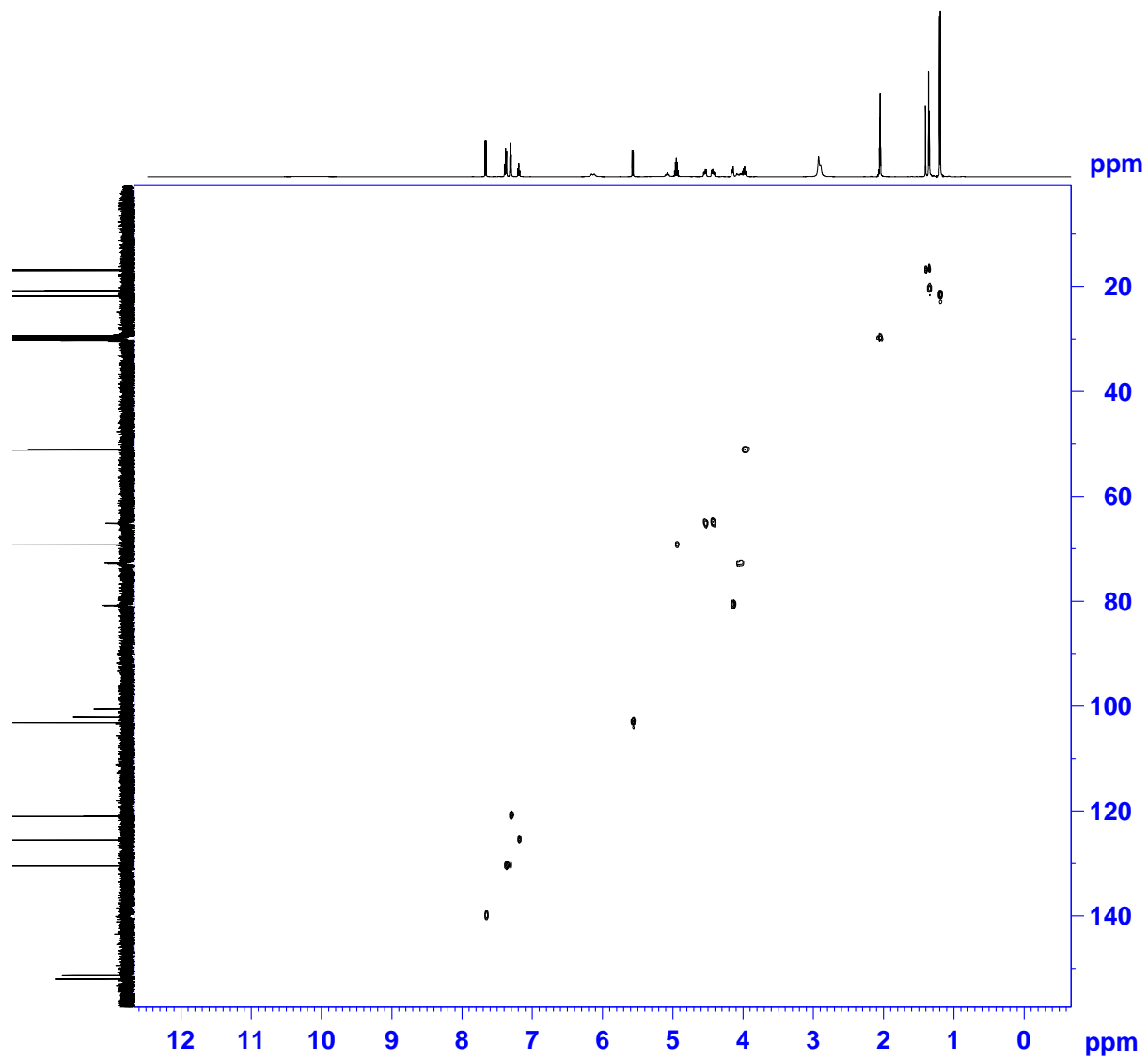


HSQC in acetone-d6

¹³C
SF01 = 125.77 MHz
SW = 250 ppm

¹H
SF01 = 500.13 MHz
SW = 13.3654 ppm

NS = 4 scans



HMBC in acetone-d6

¹³C
SF01 = 125.77 MHz
SW = 250 ppm

¹H
SF01 = 500.13 MHz
SW = 12.0160 ppm

NS = 8 scans

