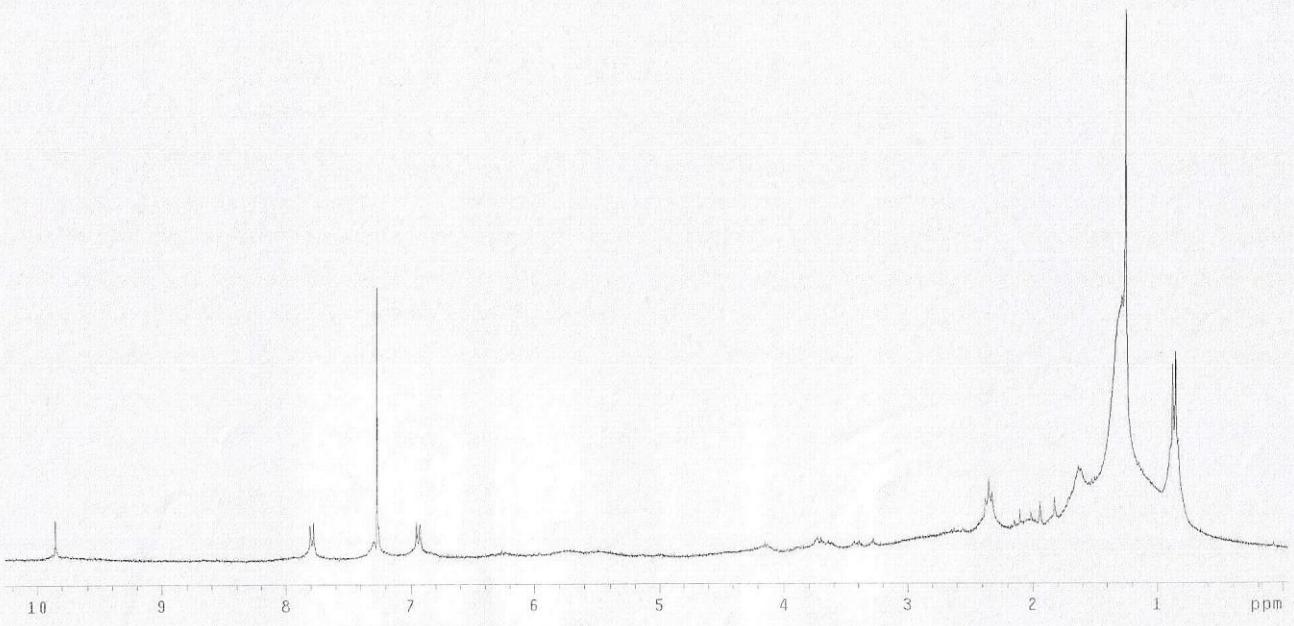
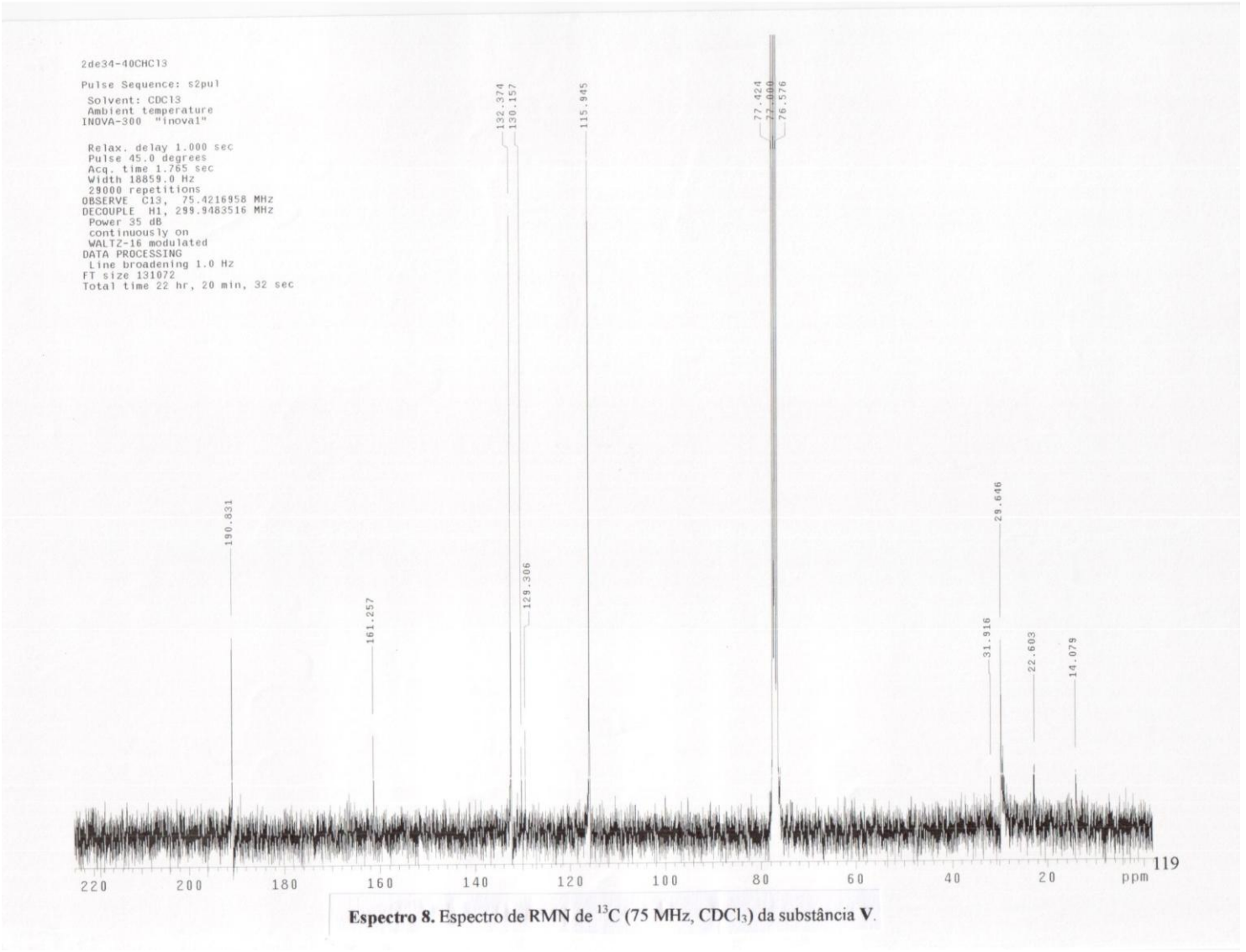
ColumnDCM

Pulse Sequence: s2pul
Solvent: CDCl3
Ambient temperature
INOVA-300 "inova1"

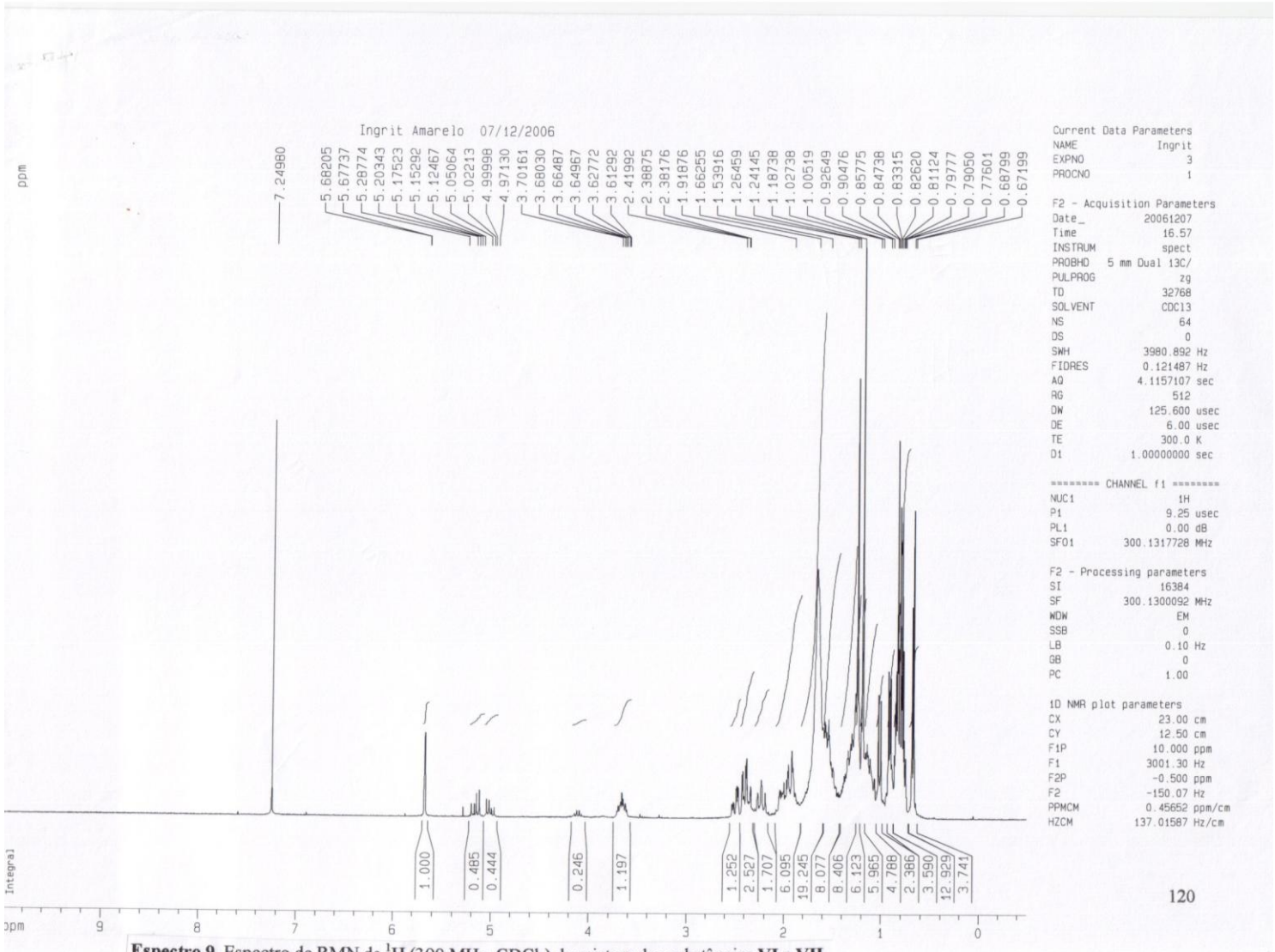
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 4.096 sec
Width 4000.0 Hz
128 repetitions
OBSERVE H1, 299.9468590 MHz
DATA PROCESSING
FT size 32768
Total time 10 min, 53 sec



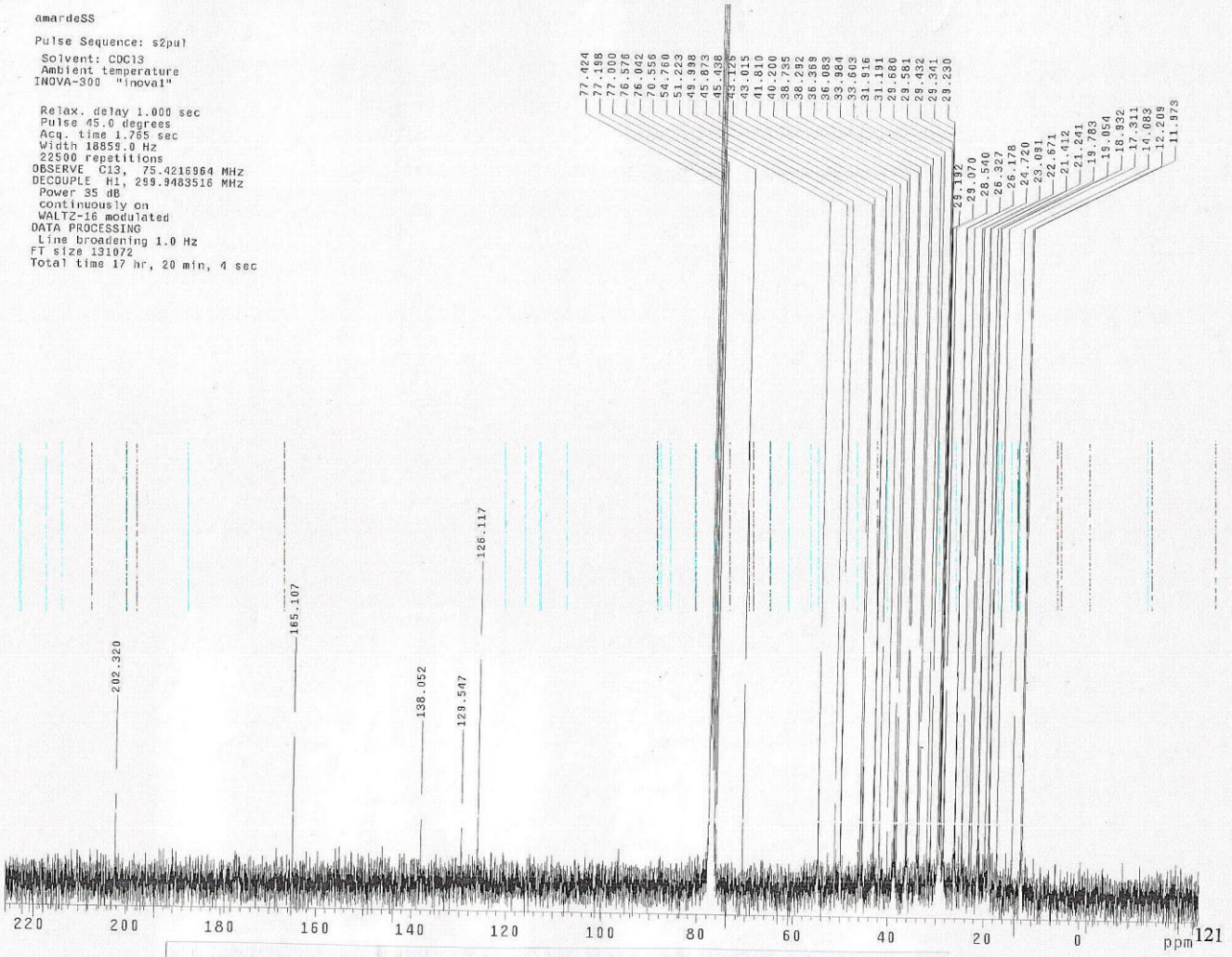
Espectro 7. Espectro de RMN de ^1H (300 MHz, $CDCl_3$) da substância **V**.



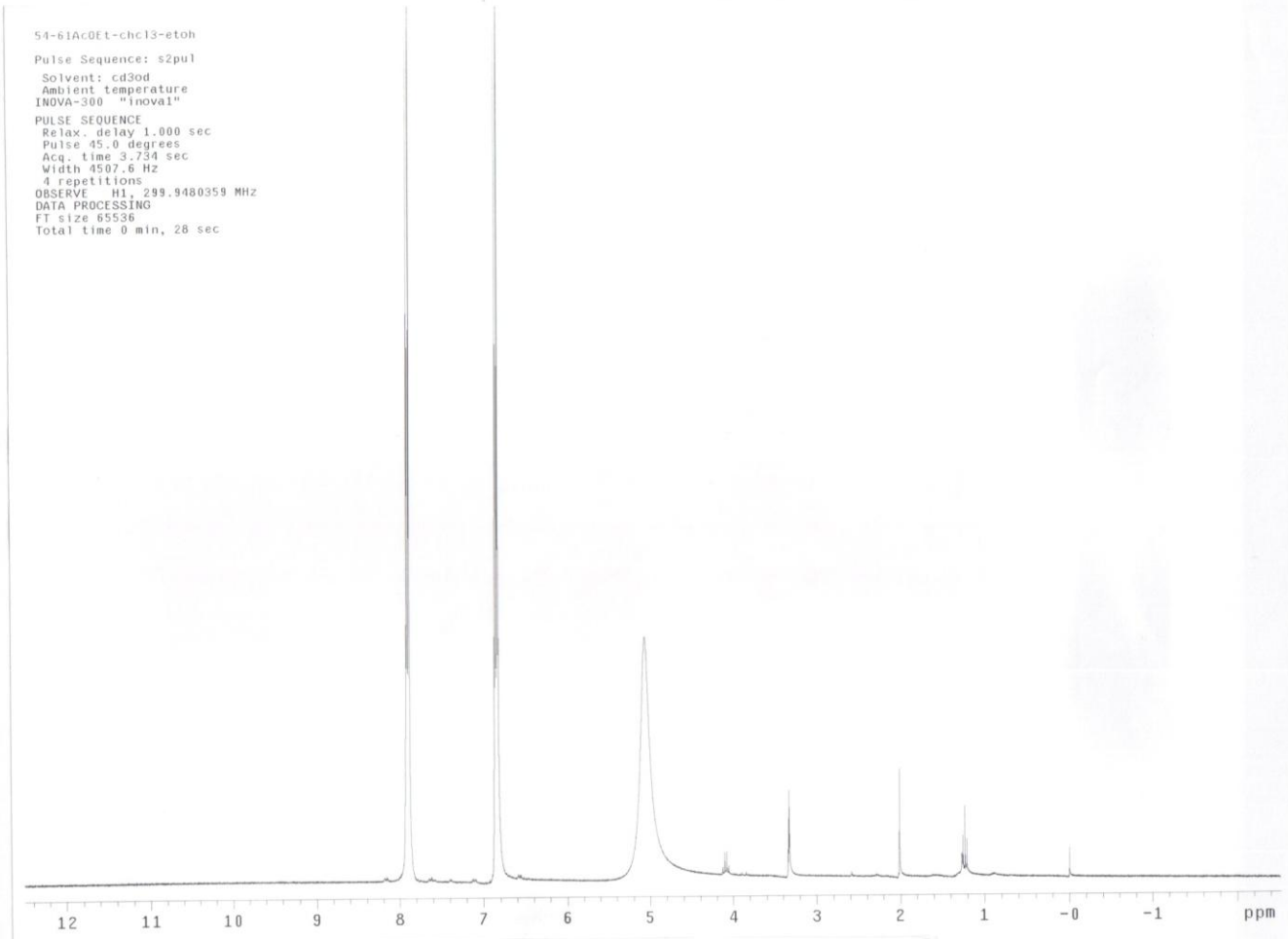
Espectro 8. Espectro de RMN de ^{13}C (75 MHz, $CDCl_3$) da substância **V**.



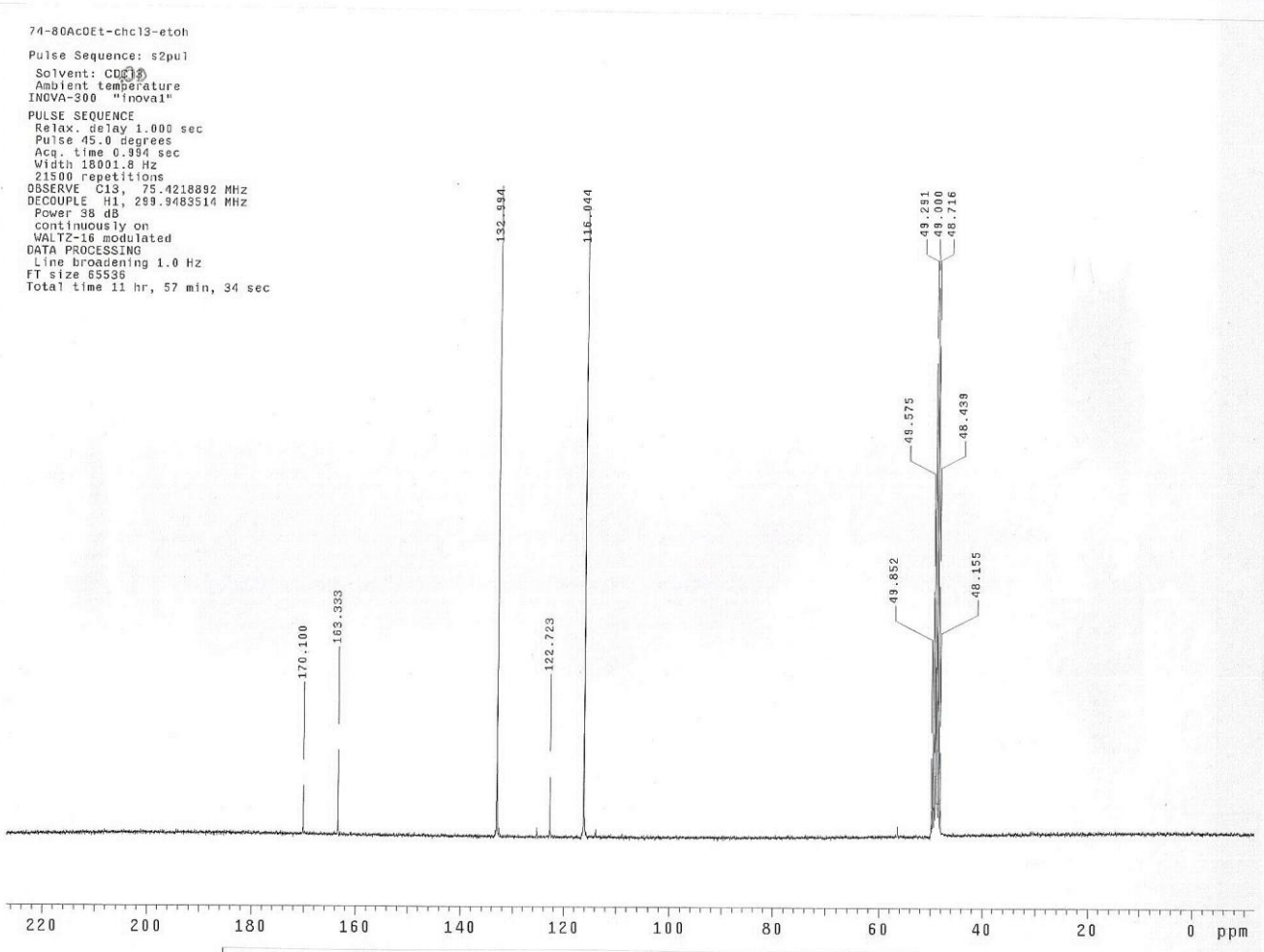
Espectro 9. Espectro de RMN de ^{1}H (300 MHz, $CDCl_3$) da mistura das substâncias **VI** e **VII**.



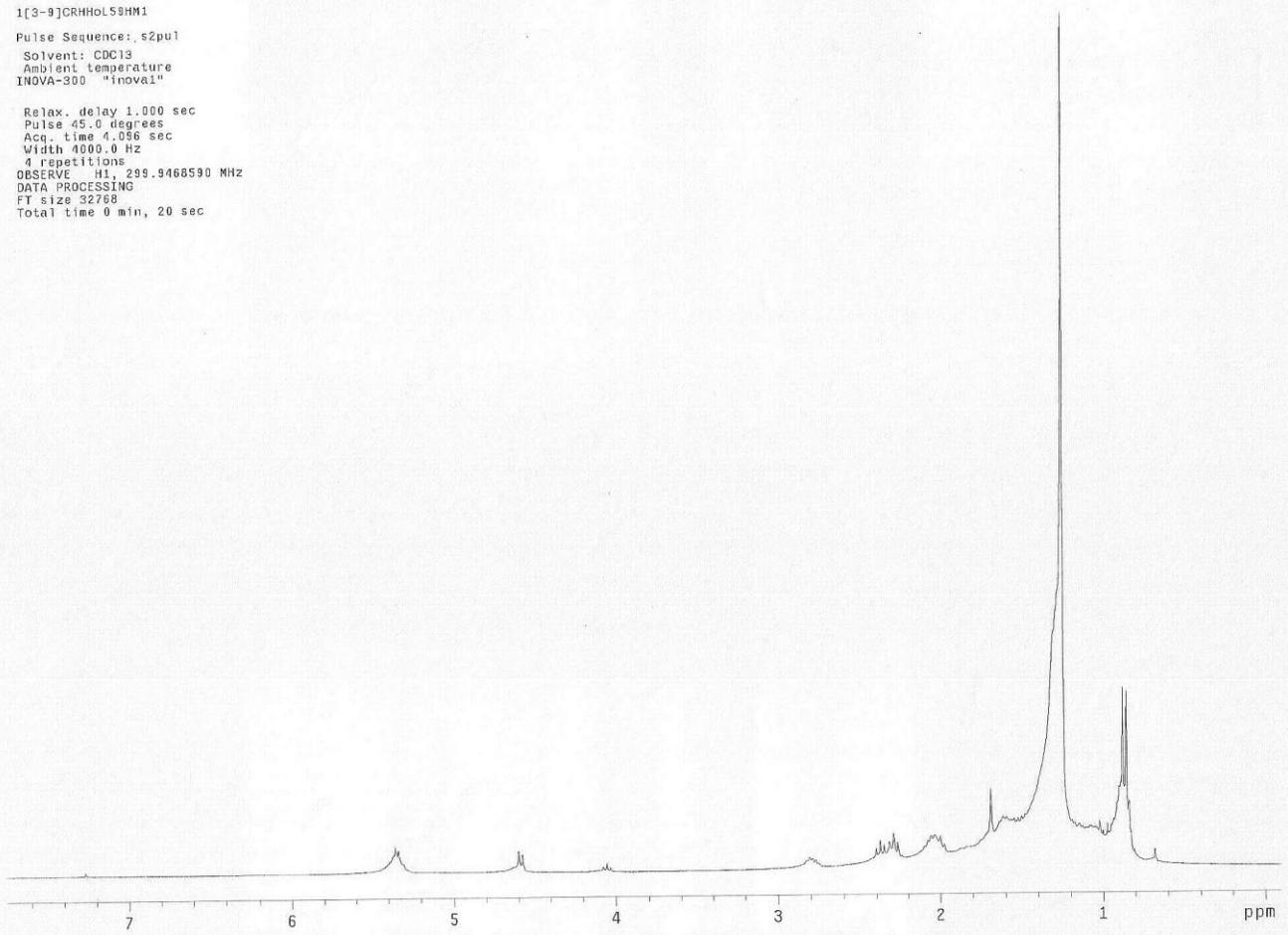
Espectro 10. Espectro de RMN de ^{13}C (75 MHz, $CDCl_3$) da mistura das substâncias **VI** e **VII**.



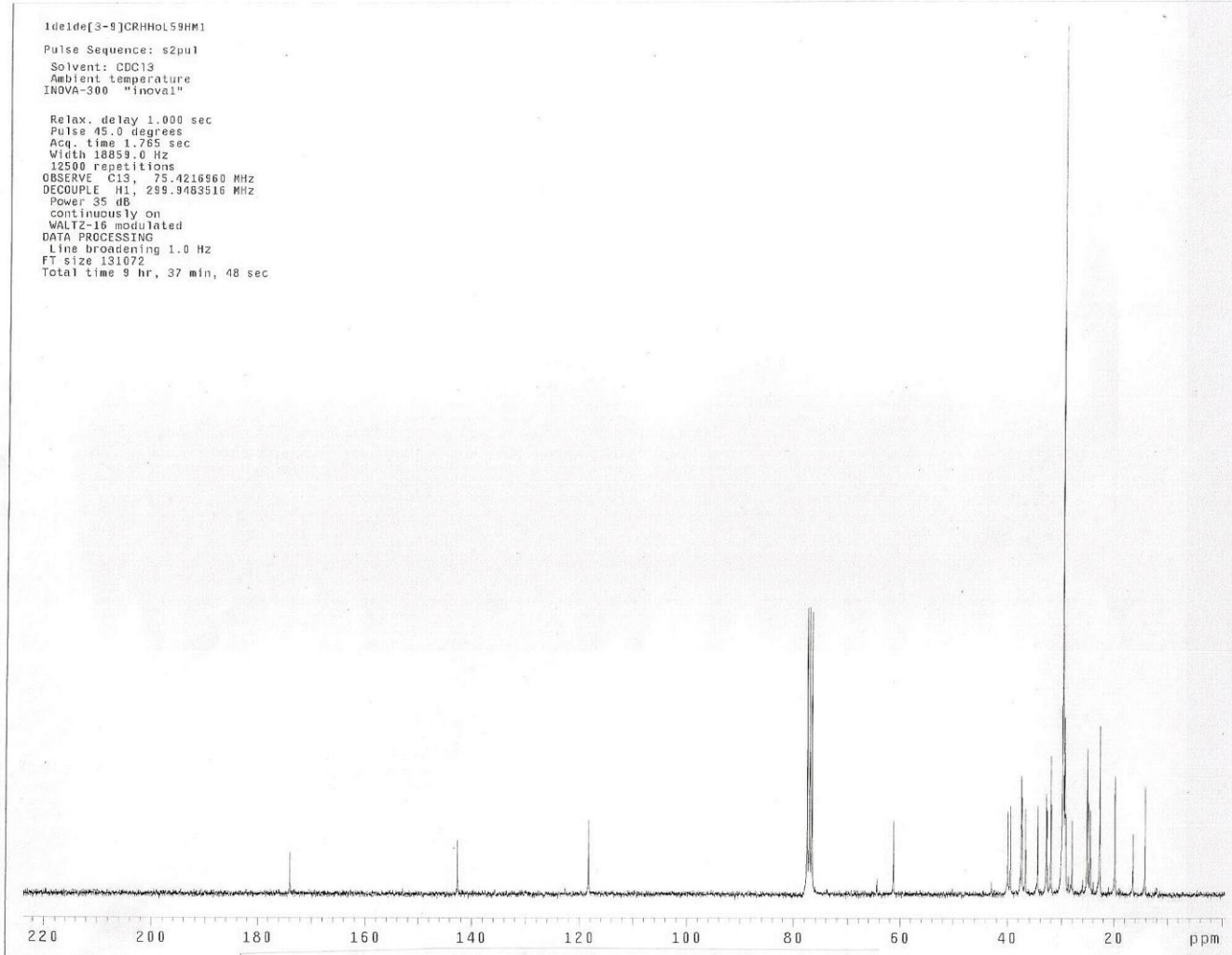
Espectro 11. Espectro de RMN de ^{1}H (300 MHz, CD_3OD) da substância **VIII**.



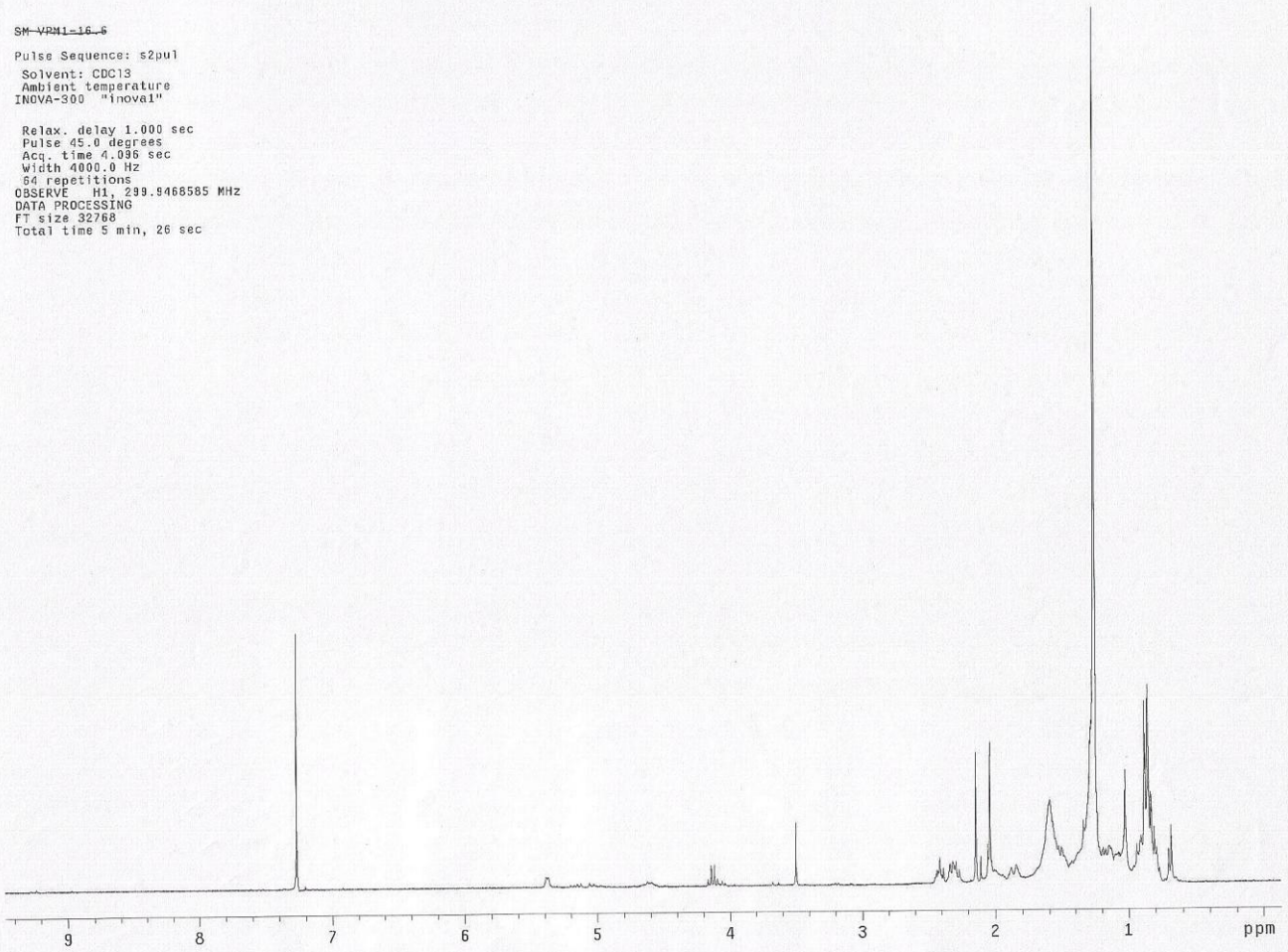
Espectro 12. Espectro de RMN de ^{13}C (75 MHz, CD_3OD) da substância **VIII**.



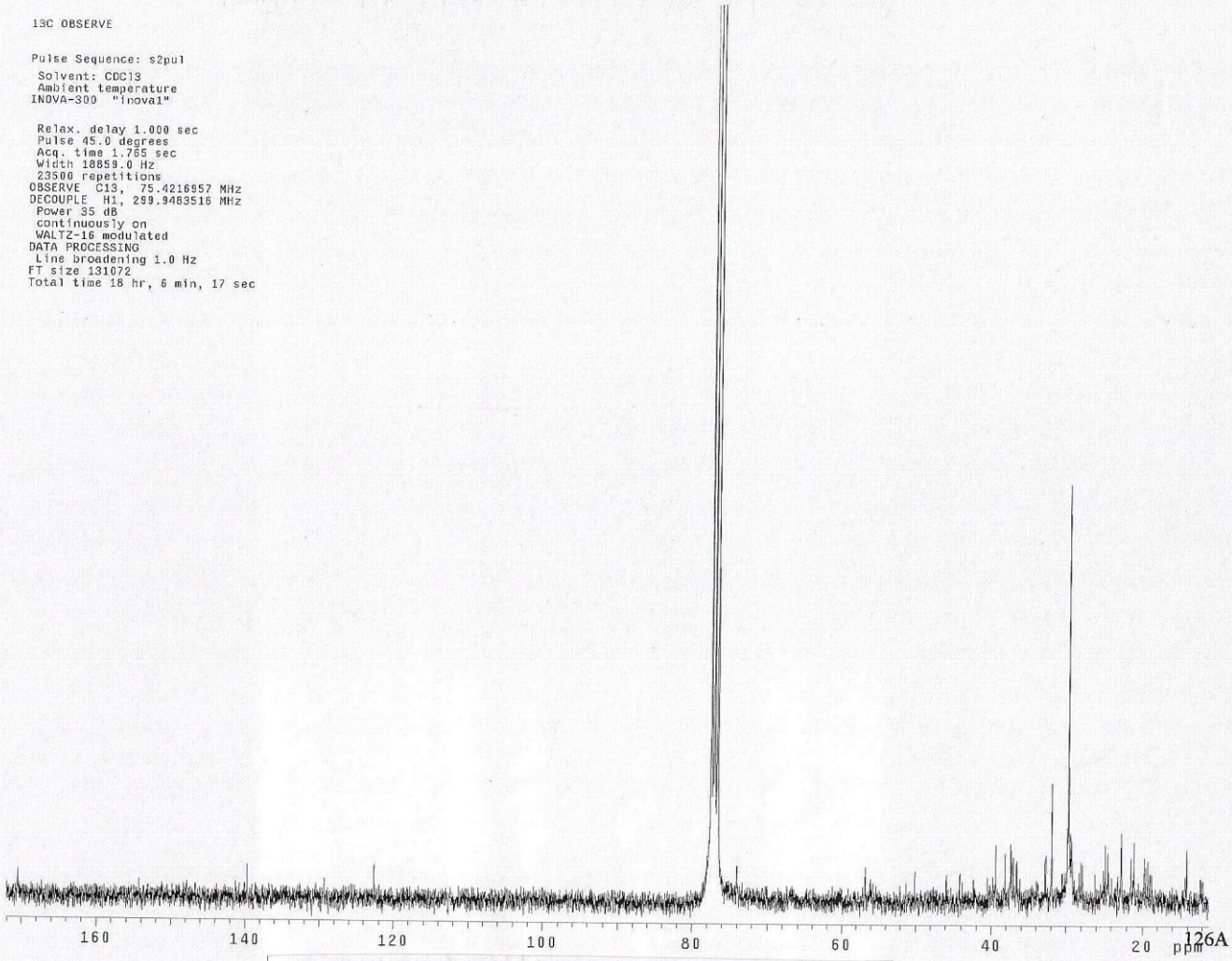
Espectro 13. Espectro de RMN de ^{1}H (300 MHz, $CDCl_3$) da substância **IX**.



Espectro 14. Espectro de RMN de ^{13}C (75 MHz, $CDCl_3$) da substância **IX**.



Espectro 15. Espectro de RMN de ^{1}H (300 MHz, $CDCl_3$) da substância **X**.



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Espectro 16. Espectro de RMN de ^{13}C (75 MHz, $CDCl_3$) da substância **X**.