

ColumnDCM

Pulse Sequence: s2pul

Solvent: CDCl₃

Ambient temperature

INOVA-300 "inovai"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 4.036 sec

Width 4000.0 Hz

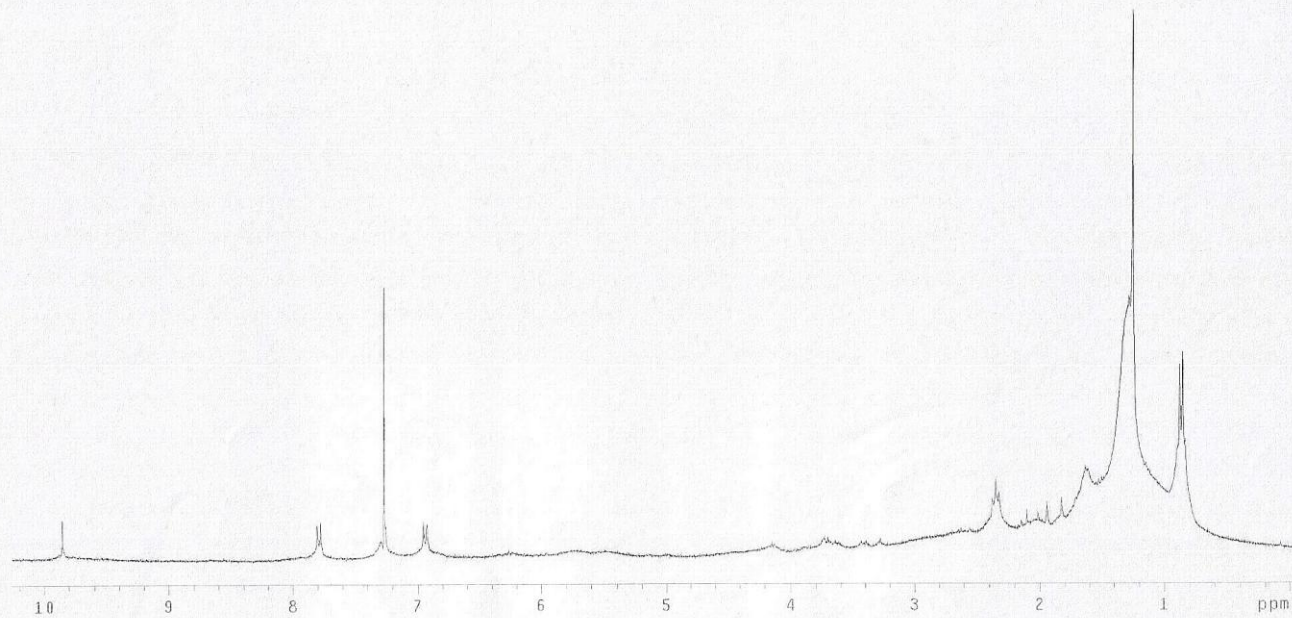
128 repetitions

OBSERVE H1, 299.9468590 MHz

DATA PROCESSING

FT size 32768

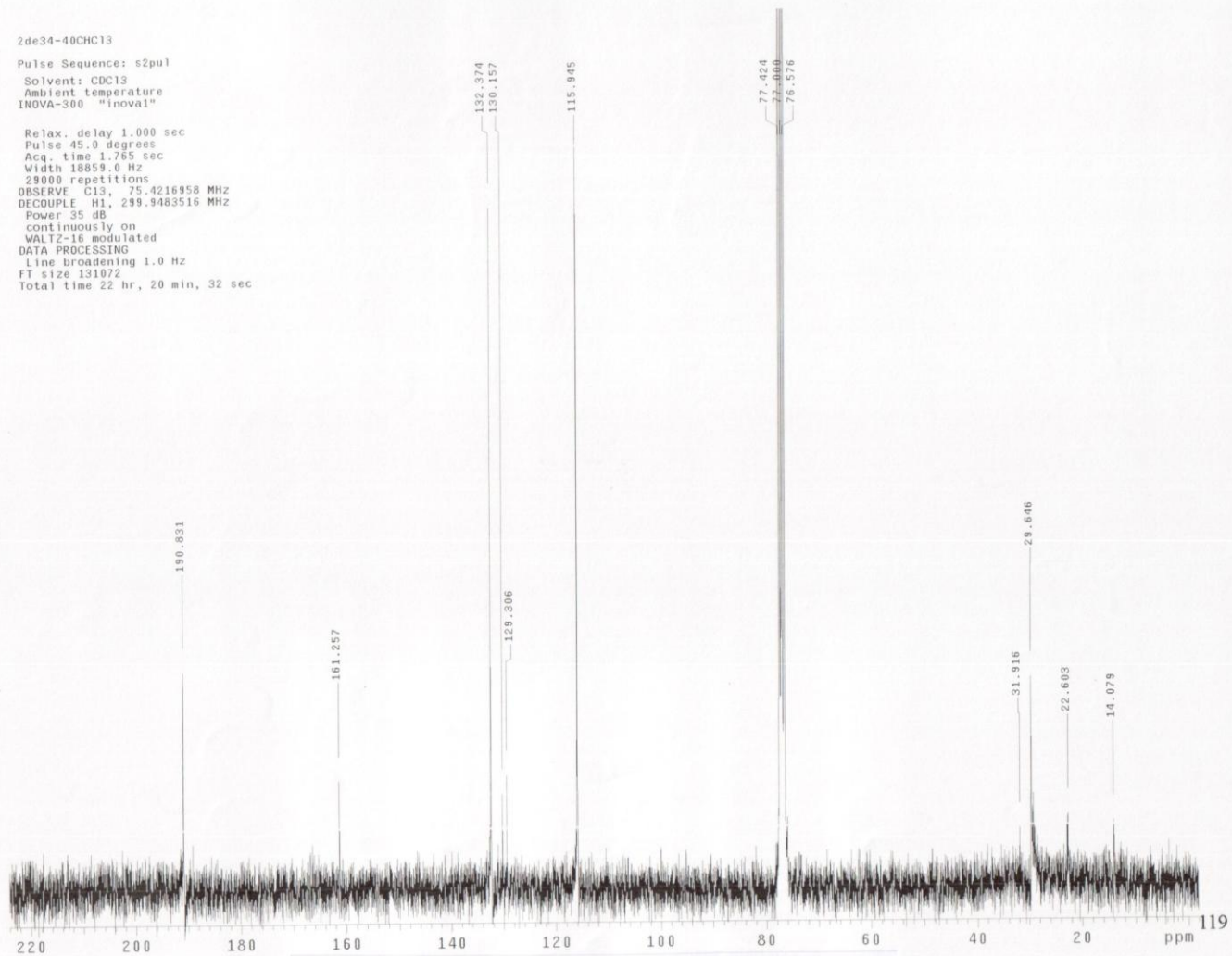
Total time 10 min, 53 sec



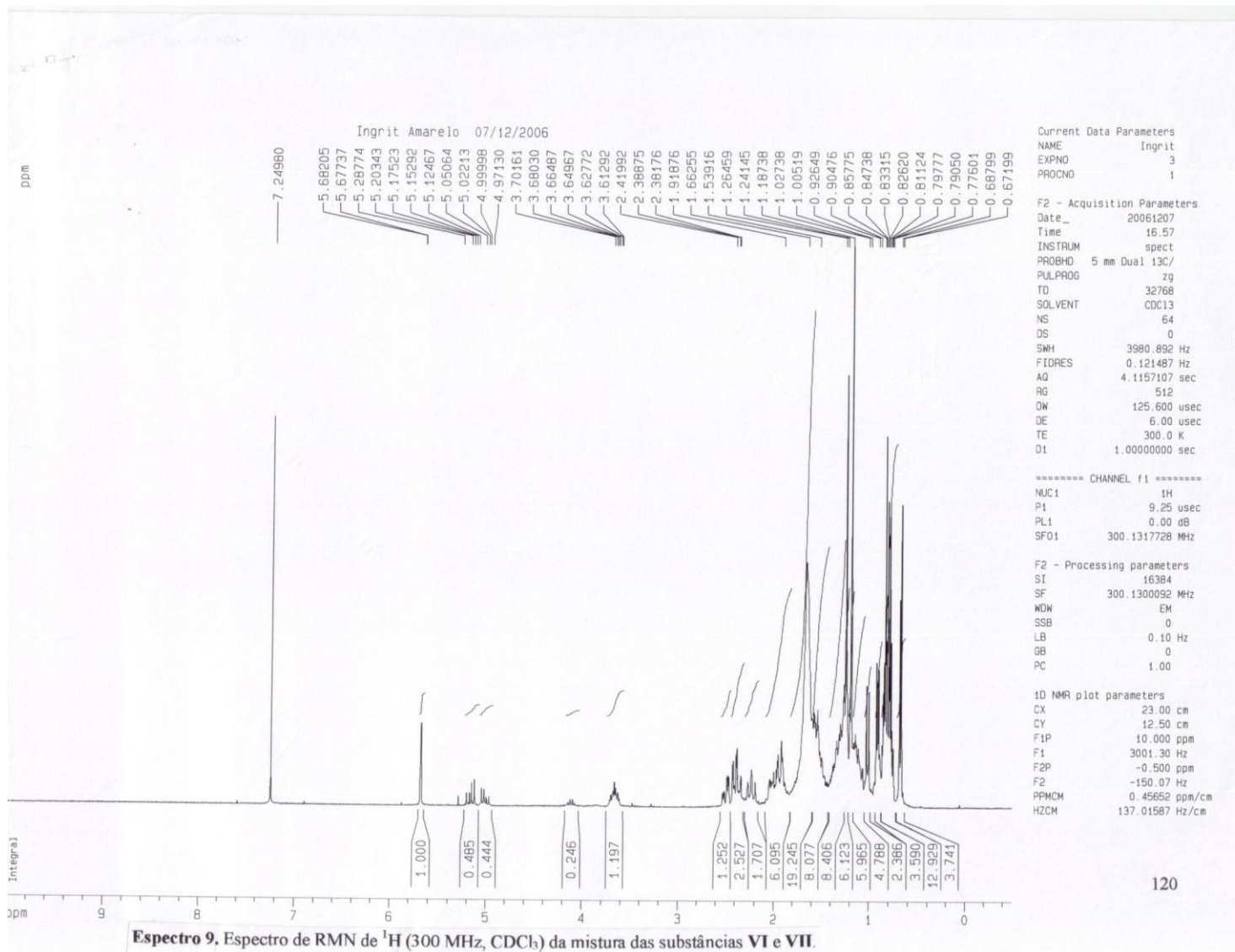
Espectro 7. Espectro de RMN de ¹H (300 MHz, CDCl₃) da substância V.

2de34-40CHC13
Pulse Sequence: s2pu1
Solvent: CDCl3
Ambient temperature
INNOVA-300 "inova1"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.765 sec
Width 18659.0 Hz
29000 repetitions
OBSERVE C13, 75.4216958 MHz
DECOUPLE H1, 299.9483516 MHz
Power 35 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 22 hr, 20 min, 32 sec



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



amardeSS

Pulse Sequence: s2pul

Solvent: CDCl3

Ambient Temperature

INOVA-300 "Inova1"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.765 sec

Width 18859.0 Hz

22500 repetitions

OBSERVE C13, 75.4216964 MHz

DECOUPLE H1, 299.9483516 MHz

Power 35 dB

Continuously on

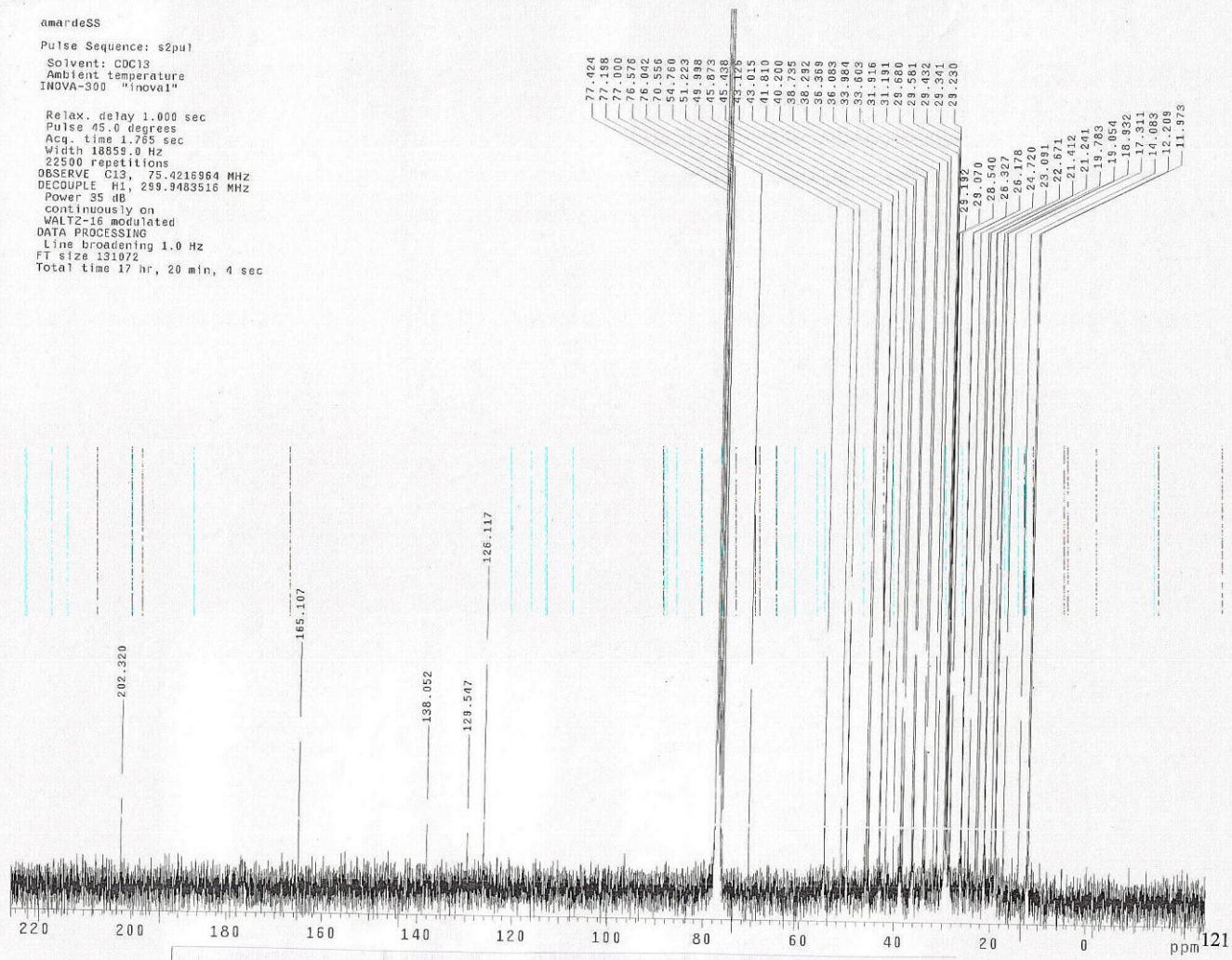
WALTZ-16 modulated

DATA PROCESSING

Line broadening 1.0 Hz

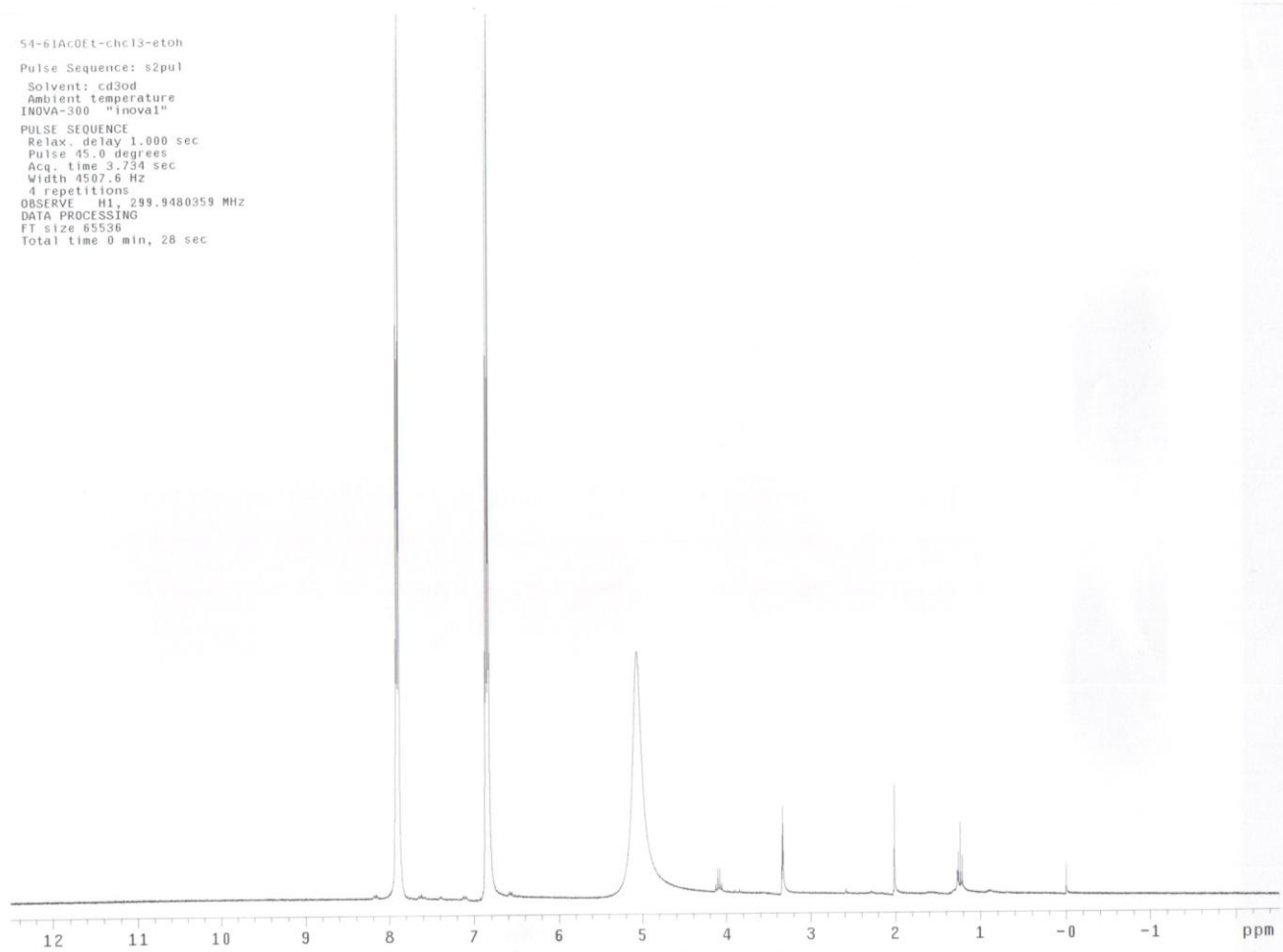
FT size 131072

Total time 17 hr, 20 min, 4 sec



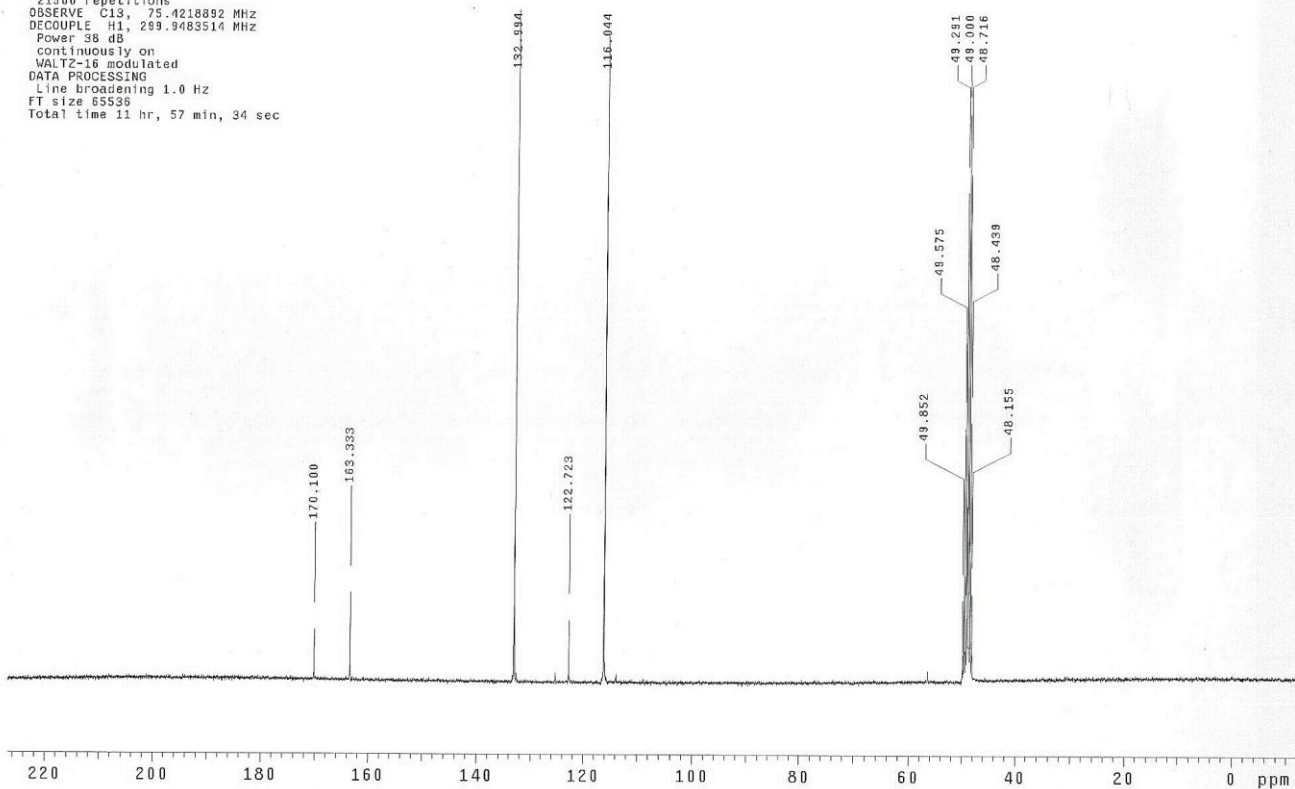
Espectro 10. Espectro de RMN de ^{13}C (75 MHz, CDCl_3) da mistura das substâncias VI e VII.

54-61Ac0Et-chcl3-ctoh
Pulse Sequence: s2pul
Solvent: cd3od
Ambient temperature
INOVA-300 "Inova1"
PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.734 sec
Width 4507.6 Hz
4 repetitions
OBSERVE H1, 299.9480359 MHz
DATA PROCESSING
FT size 65536
Total time 0 min, 28 sec



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

74-80AcOEt-chcl3-ctoh
Pulse Sequence: s2pu1
Solvent: CD₃OD
Ambient temperature
INOVA-300 "Inova1"
PULSE SEQUENCE
Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 0.994 sec
Width 18001.8 Hz
21500 repetitions
OBSERVE C13, 75.4218892 MHz
DECOUPLE H1, 299.9483514 MHz
Power 38 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 11 hr, 57 min, 34 sec



Espectro 12. Espectro de RMN de ¹³C (75 MHz, CD₃OD) da substância VIII.

1[3-9]CRHHOL59HM1

Pulse Sequence: s2pu1

Solvent: CDCl3

Ambient temperature

INOVA-300 "inova1"

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 4.056 sec

Width 4000.0 Hz

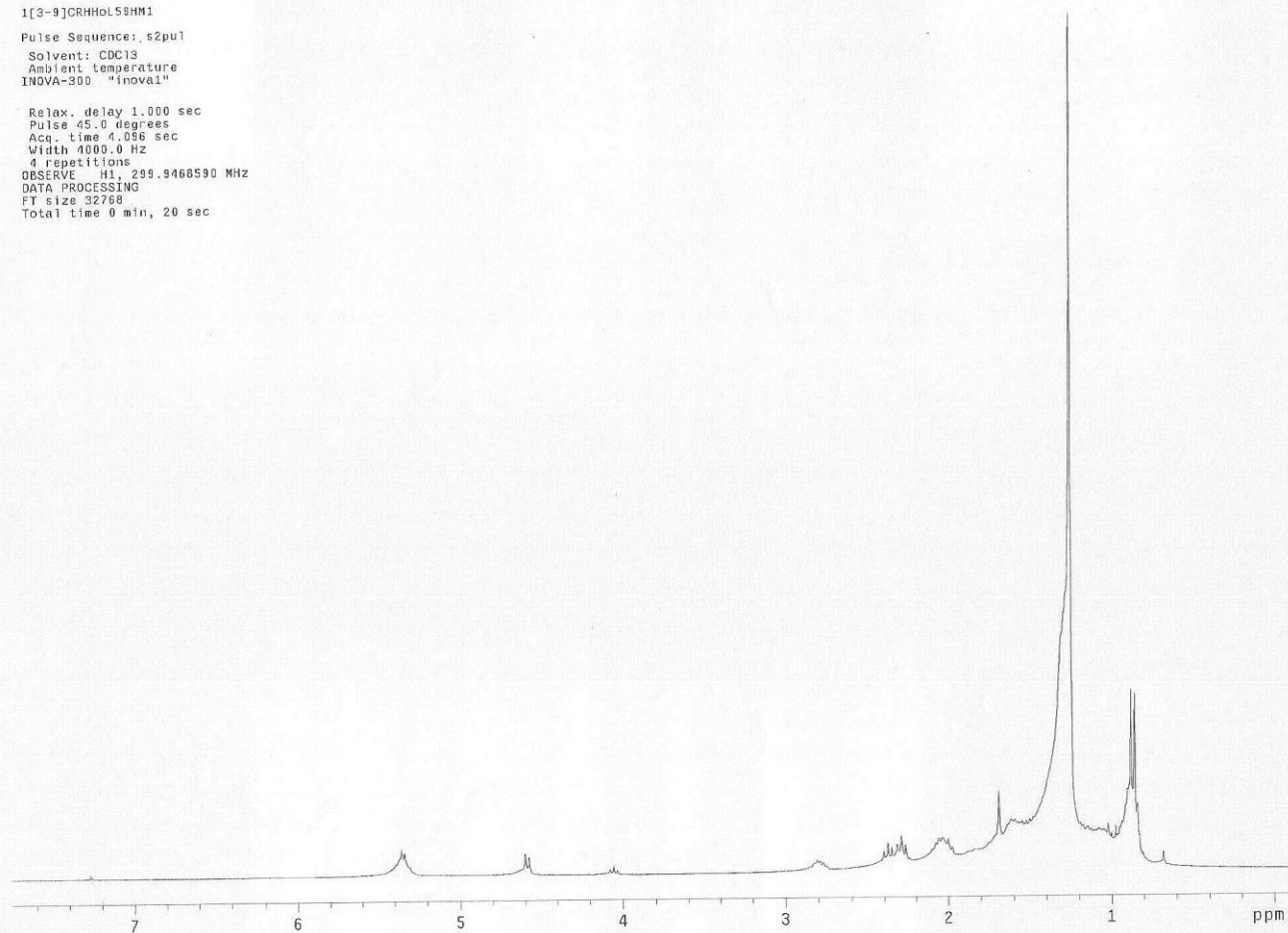
4 repetitions

OBSERVE H1, 299.9468590 MHz

DATA PROCESSING

FT size 32768

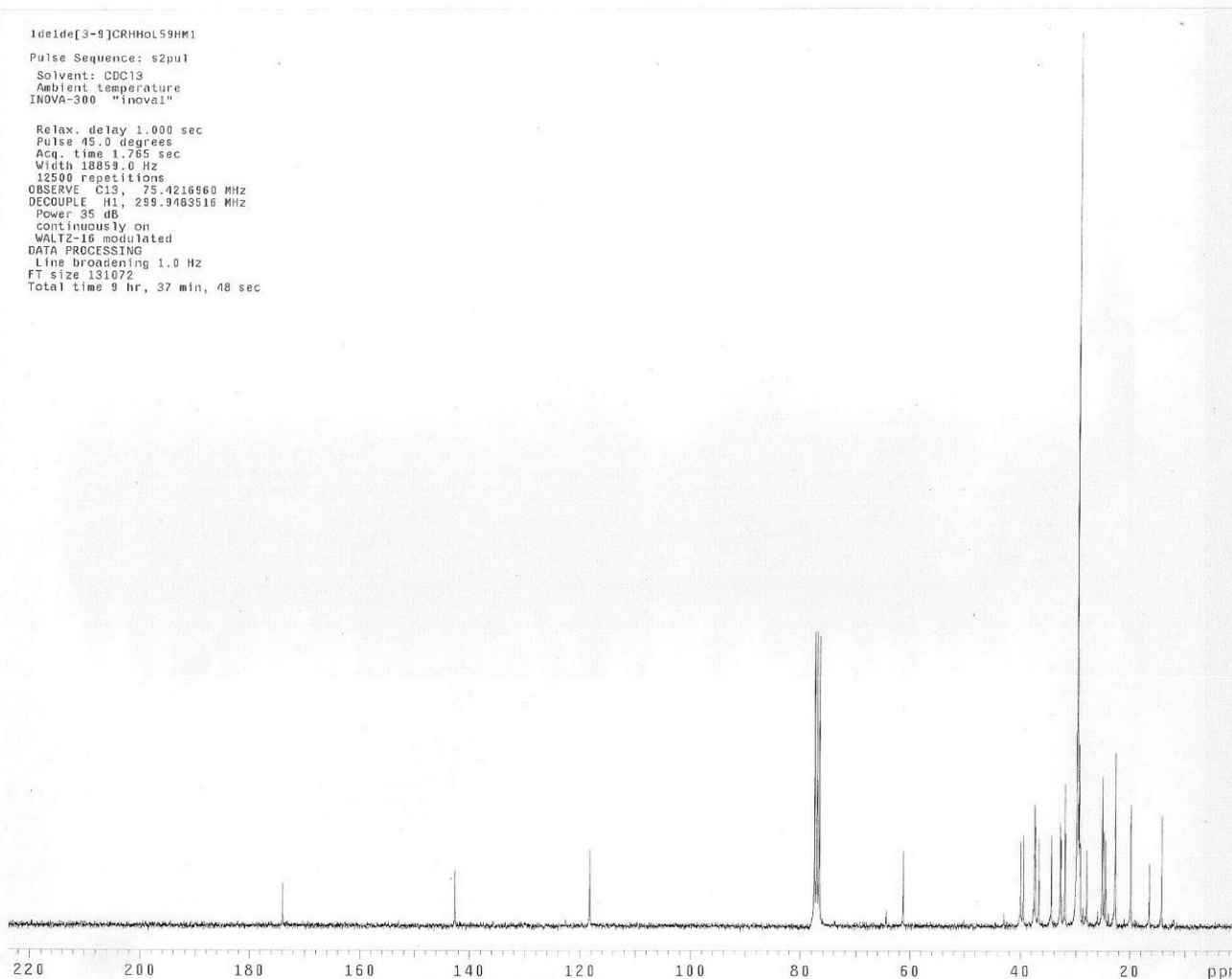
Total time 0 min, 20 sec



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

1de1de[3-9]CRHHoL59HM1
Pulse Sequence: s2pul
Solvent: CDC13
Ambient temperature
INOVA-300 "inova1"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.765 sec
Width 18859.0 Hz
12500 repetitions
OBSERVE C13, 75.4216960 MHz
DECOUPLE H1, 299.9483516 MHz
Power 35 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 9 hr, 37 min, 48 sec



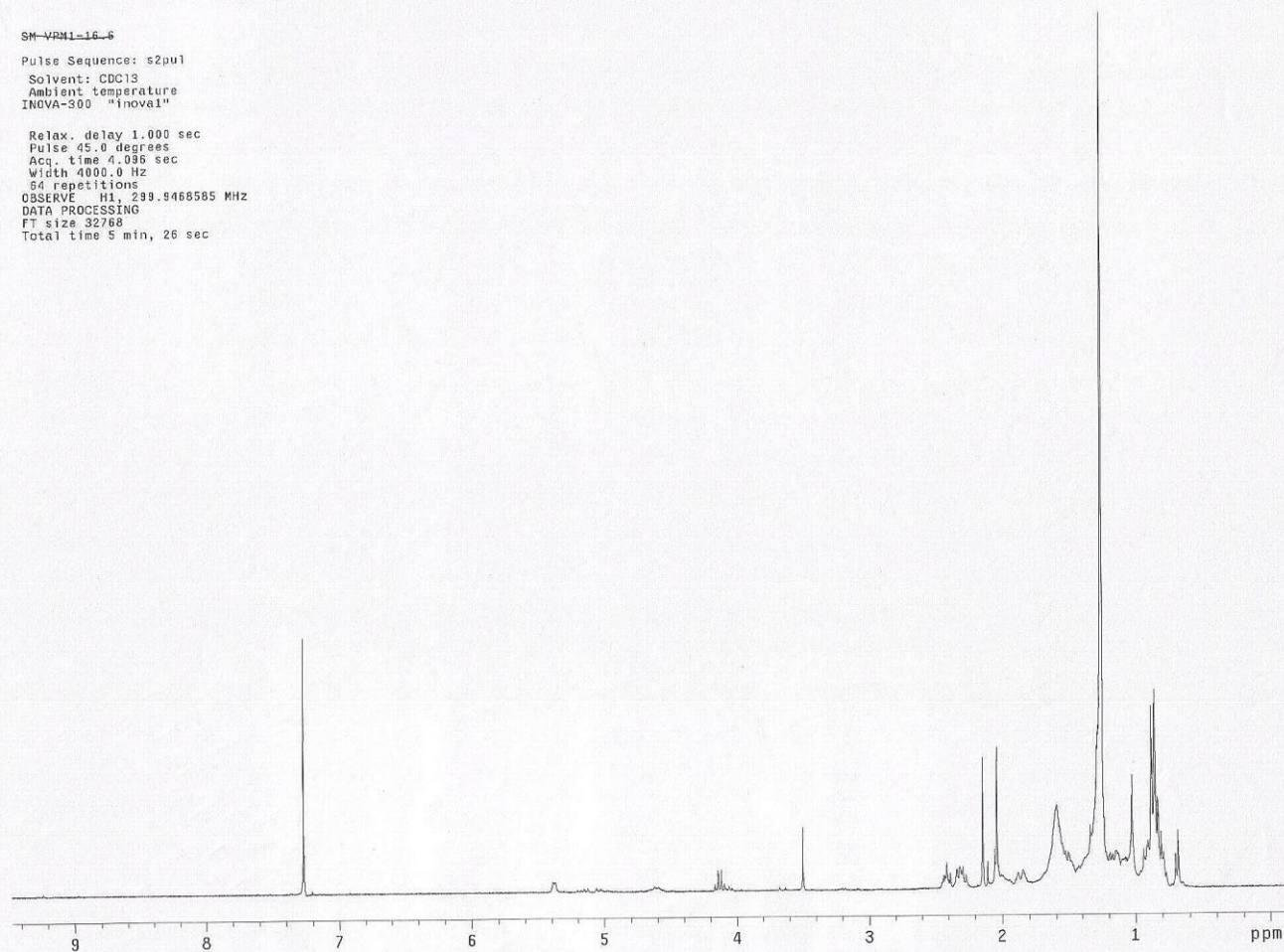
125

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

SM-VRM1-16-6

Pulse Sequence: s2pu1
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
50 repetitions
OBSERVE H1, 299.9465585 MHz
DATA PROCESSING
FT size 32768
Total time 5 min, 26 sec

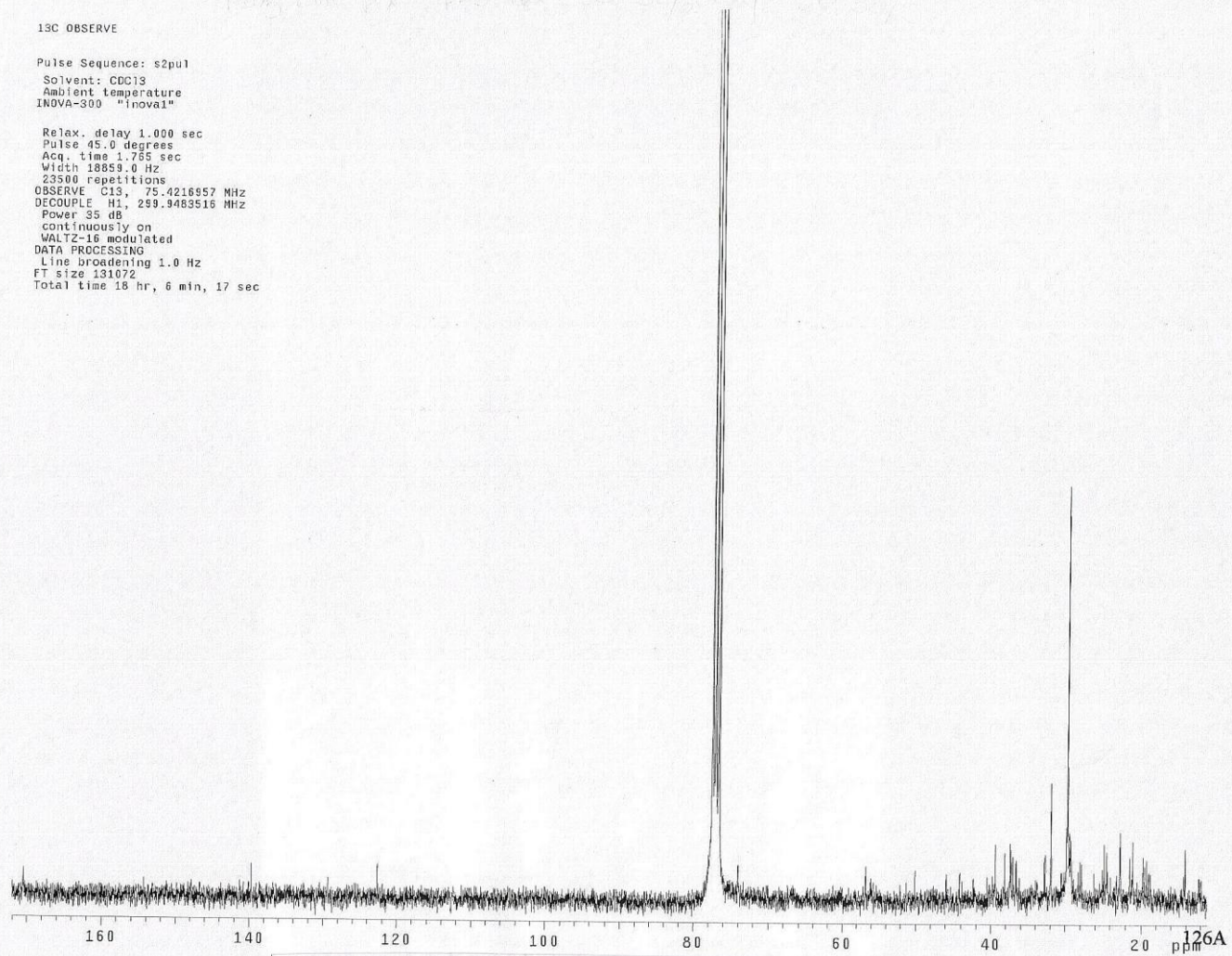


Espectro 15. Espectro de RMN de ^1H (300 MHz, CDCl_3) da substância X.

13C OBSERVE

Pulse Sequence: s2pu1
Solvent: CDCl3
Ambient Temperature
INOVA-300 "Inova1"

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.755 sec
Width 18859.0 Hz
23500 repetitions
OBSERVE C13, 75.421657 MHz
DECOUPLE H1, 299.9483516 MHz
Power 35 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 131072
Total time 18 hr, 6 min, 17 sec



Espectro 16. Espectro de RMN de ¹³C (75 MHz, CDCl₃) da substância X.