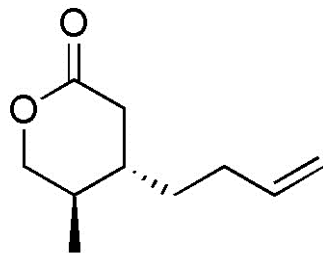


File:

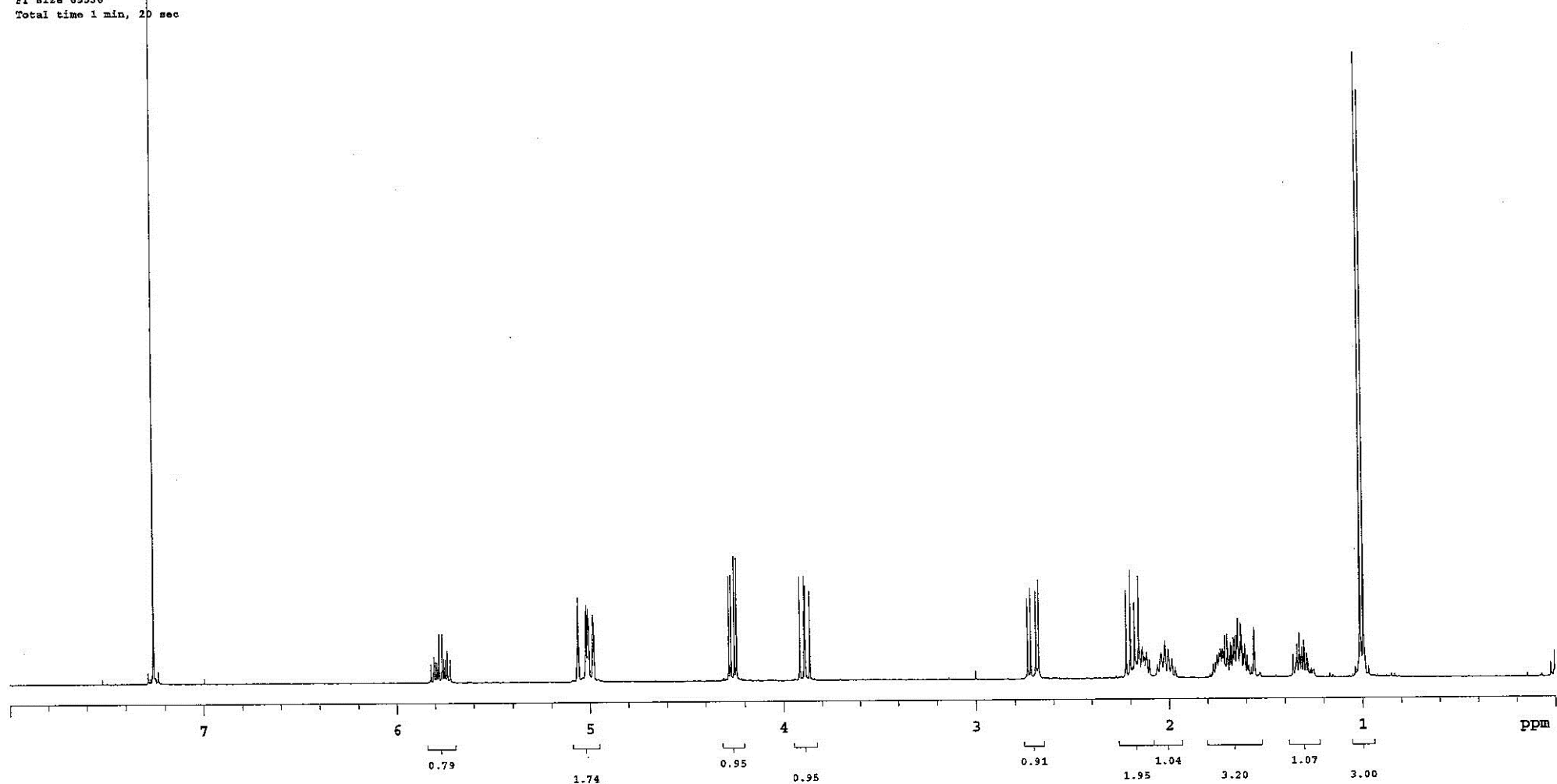
Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
File: kt_04_178_1
VMRS-400 "400MR"



6

Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.500 sec
Width 6410.3 Hz
16 repetitions
OBSERVE H1, 199.8529092 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min, 20 sec

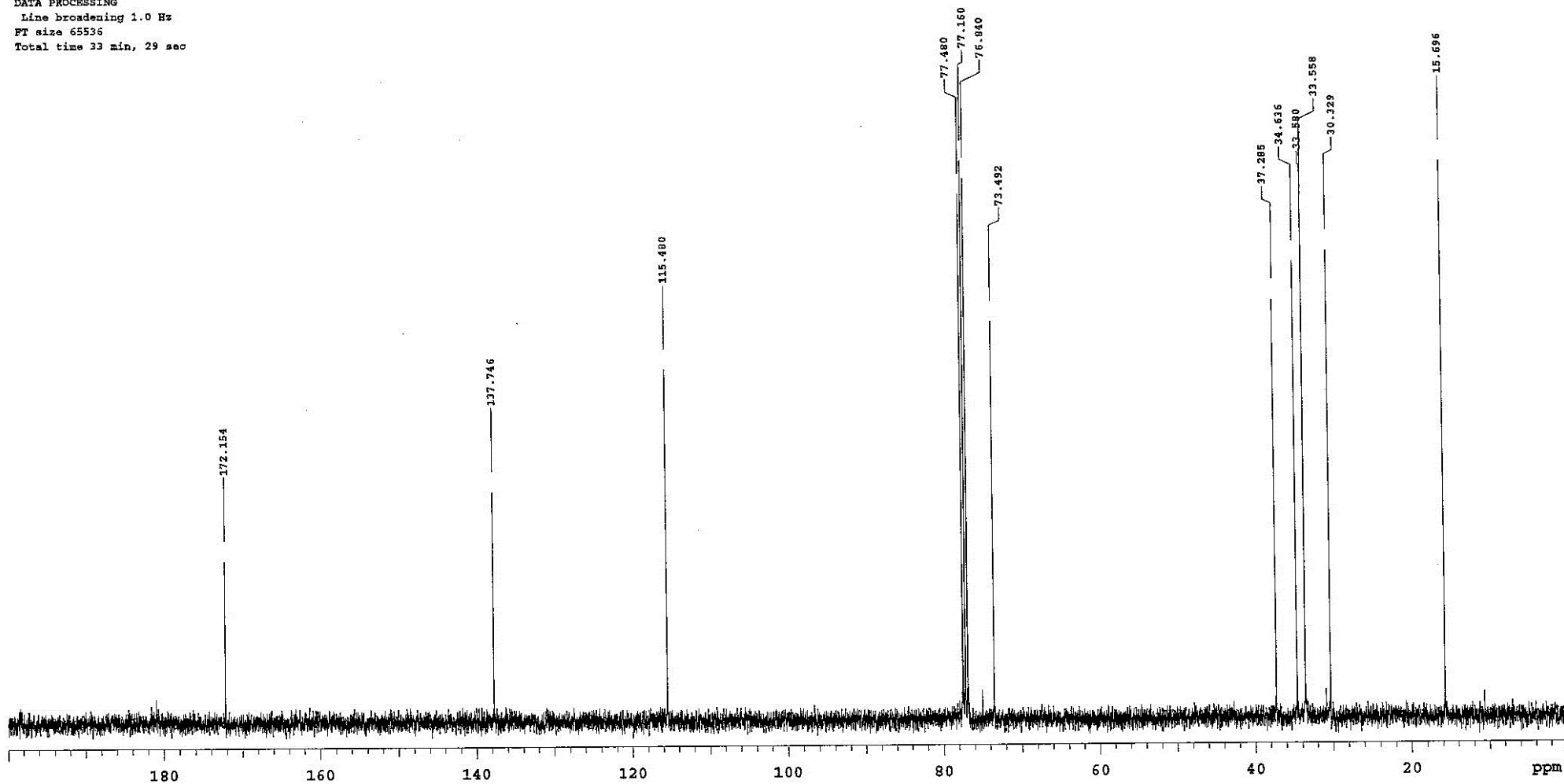
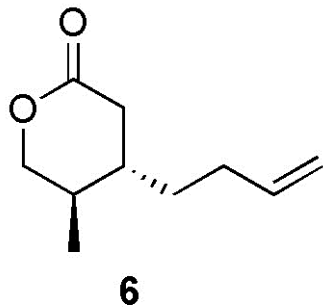


File: exp

Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VMRS-400 "400MR"

Relax. delay 0.700 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 24509.8 Hz
240 repetitions
OBSERVE C13, 100.5430820 MHz
DECOUPLE H1, 399.8549169 MHz
Power 41 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 33 min, 29 sec

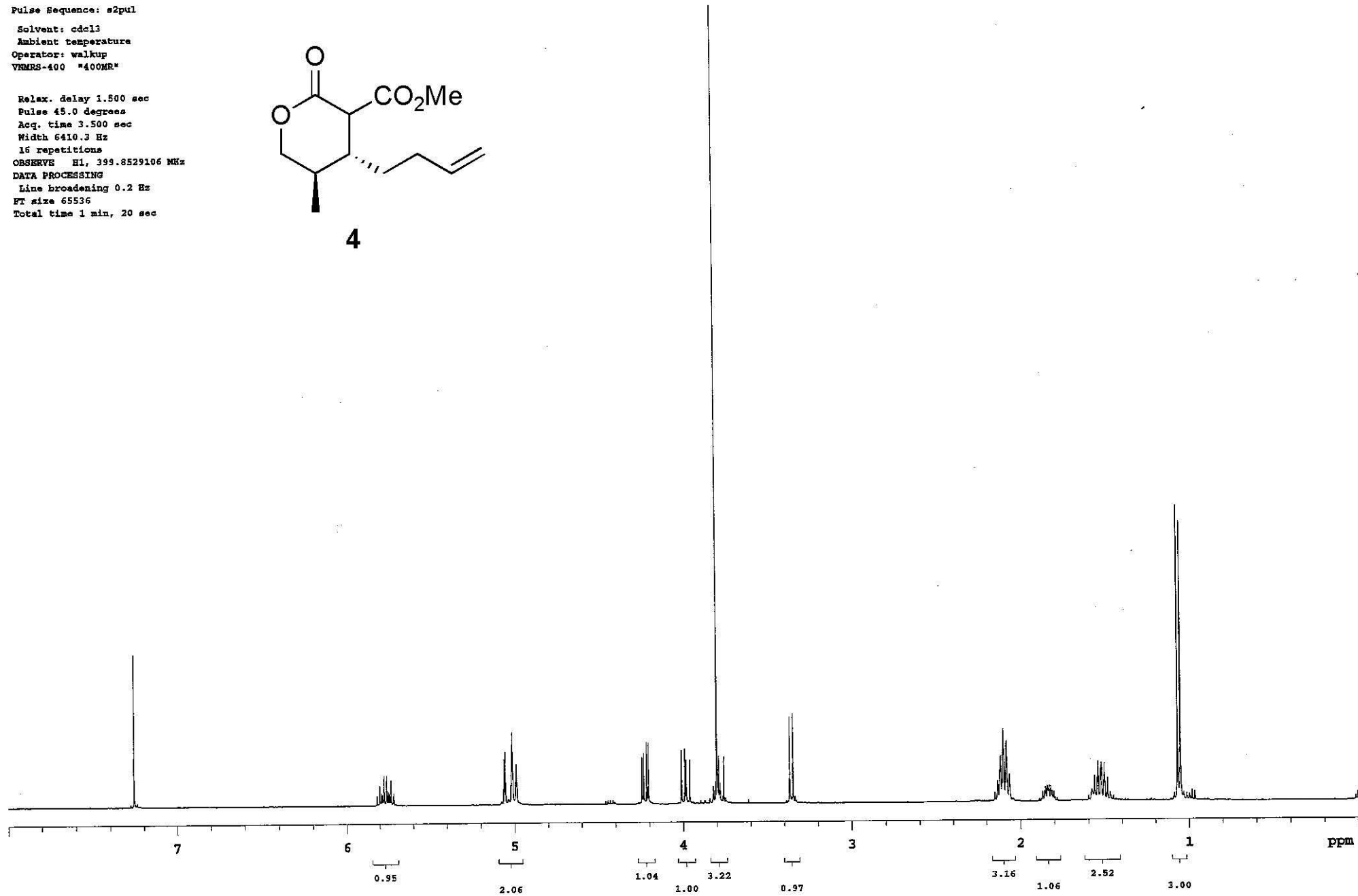
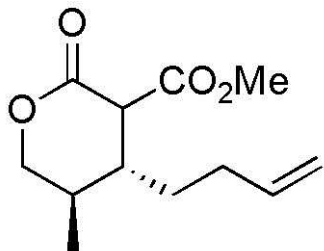


File: xp

Pulse Sequence: s2pu1

Solvent: cdcl3
Ambient temperature
Operator: walkup
VMRS-400 "400MR"

Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.500 sec
Width 6410.3 Hz
16 repetitions
OBSERVE H1, 399.8529106 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min, 20 sec

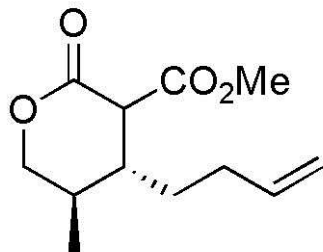


File: xp

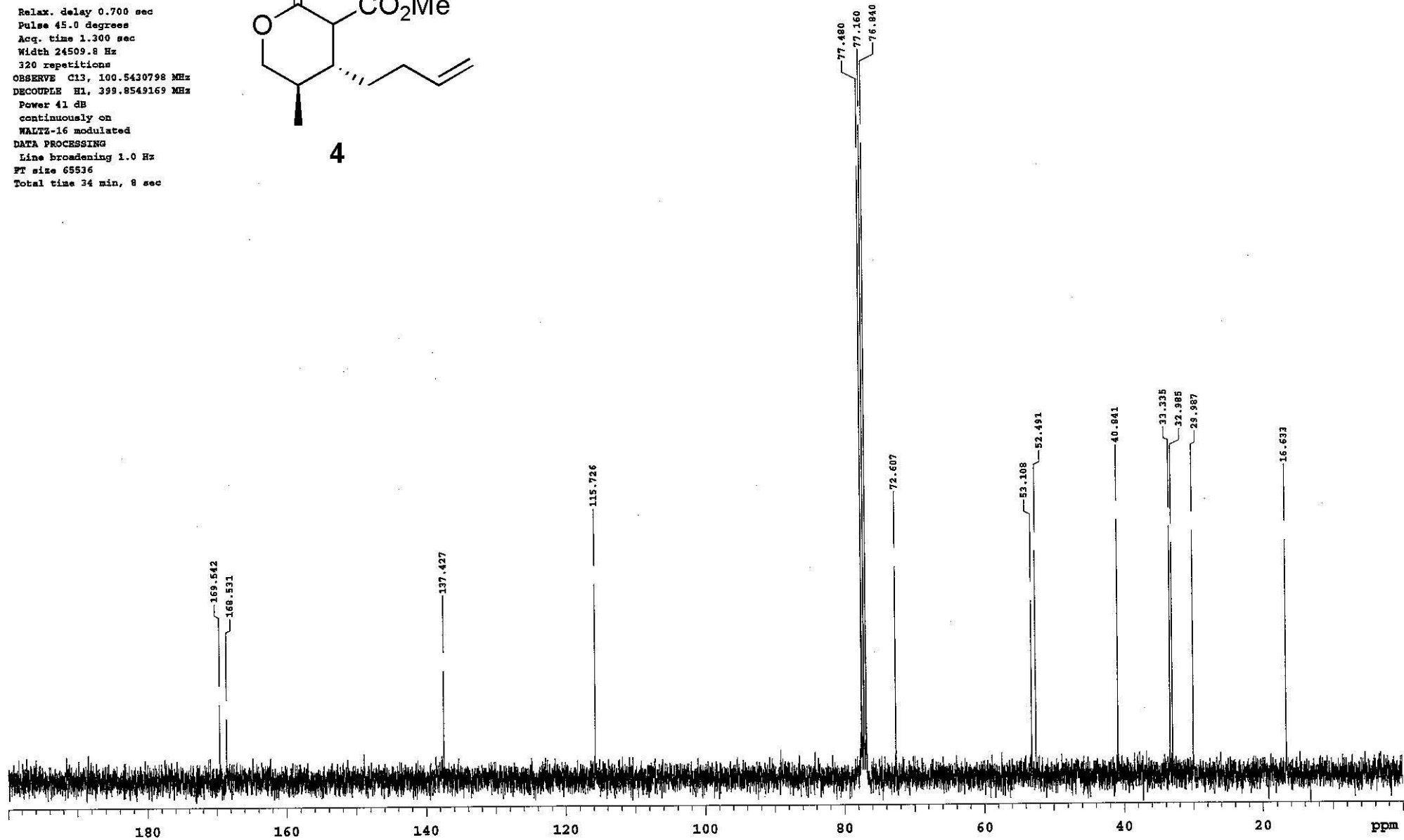
Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VNMRS-400 "400MR"

Relax. delay 0.700 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 24509.8 Hz
320 repetitions
OBSERVE C13, 100.5430798 MHz
DECOUPLE H1, 399.8549169 MHz
Power 41 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 34 min, 8 sec



4



File: exp

Pulse Sequence: s2pul

Solvent: cdcl3

Ambient temperature

Operator: walkup

VNMR5-400 "400MR"

Relax. delay 1.500 sec

Pulse 45.0 degrees

Acq. time 3.500 sec

Width 6410.3 Hz

16 repetitions

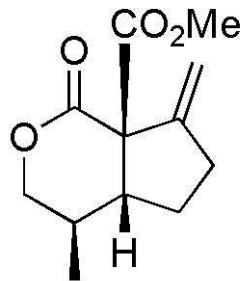
OBSERVE H1, 399.8529119 MHz

DATA PROCESSING

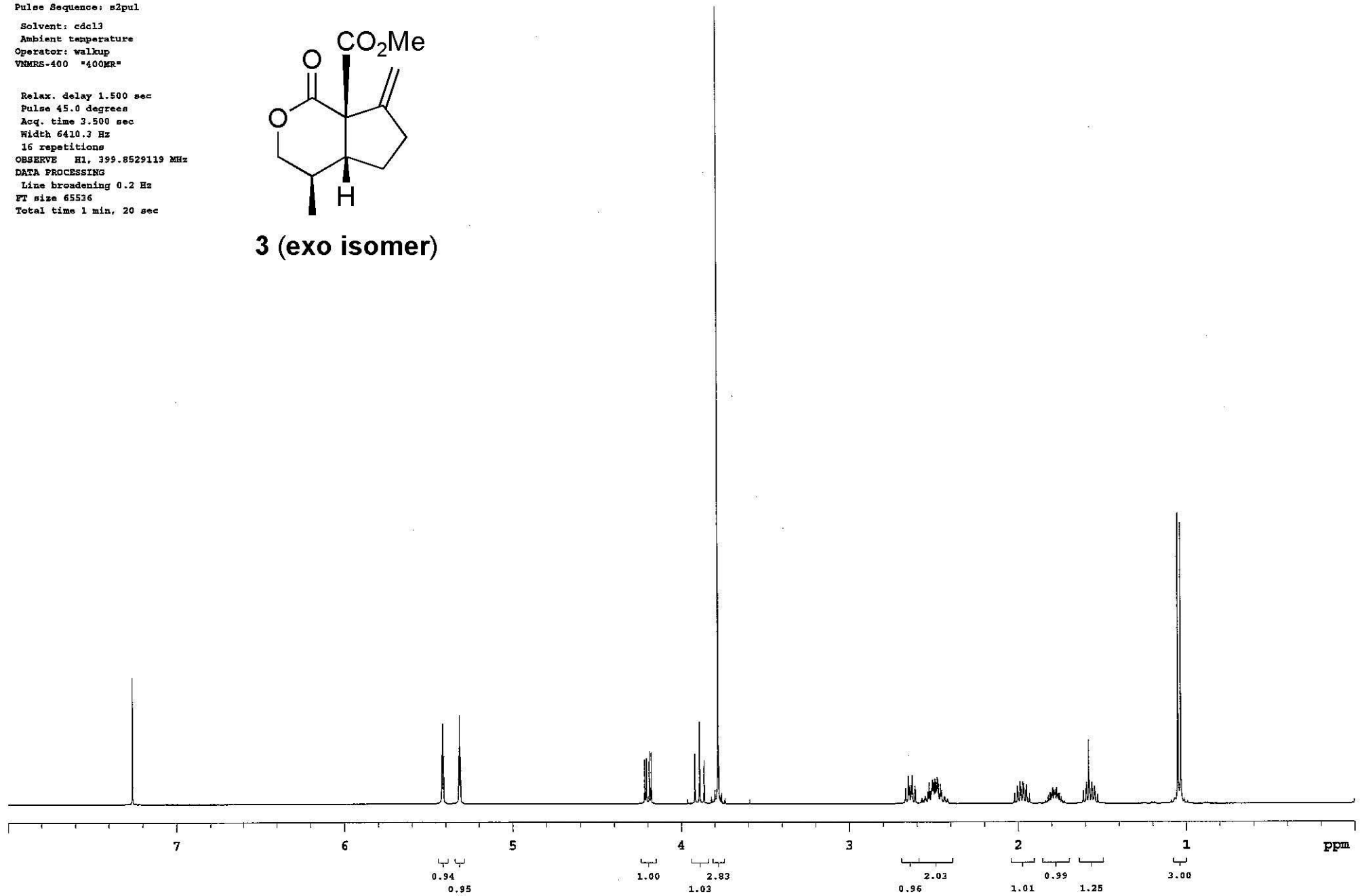
Line broadening 0.2 Hz

FT size 65536

Total time 1 min, 20 sec



3 (exo isomer)



File: exp

Pulse Sequence: s2pul

Solvent: cdcl3

Ambient temperature

Operator: walkup

VNMRS-400 "400MR"

Relax. delay 0.700 sec

Pulse 45.0 degrees

Acq. time 1.300 sec

Width 24509.8 Hz

320 repetitions

OBSERVE C13, 100.5430805 MHz

DECOUPLE H1, 399.8549169 MHz

Power 41 dB

continuously on

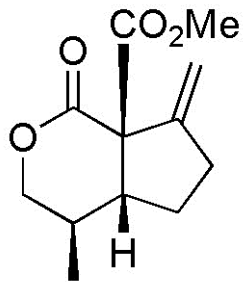
WALTZ-16 modulated

DATA PROCESSING

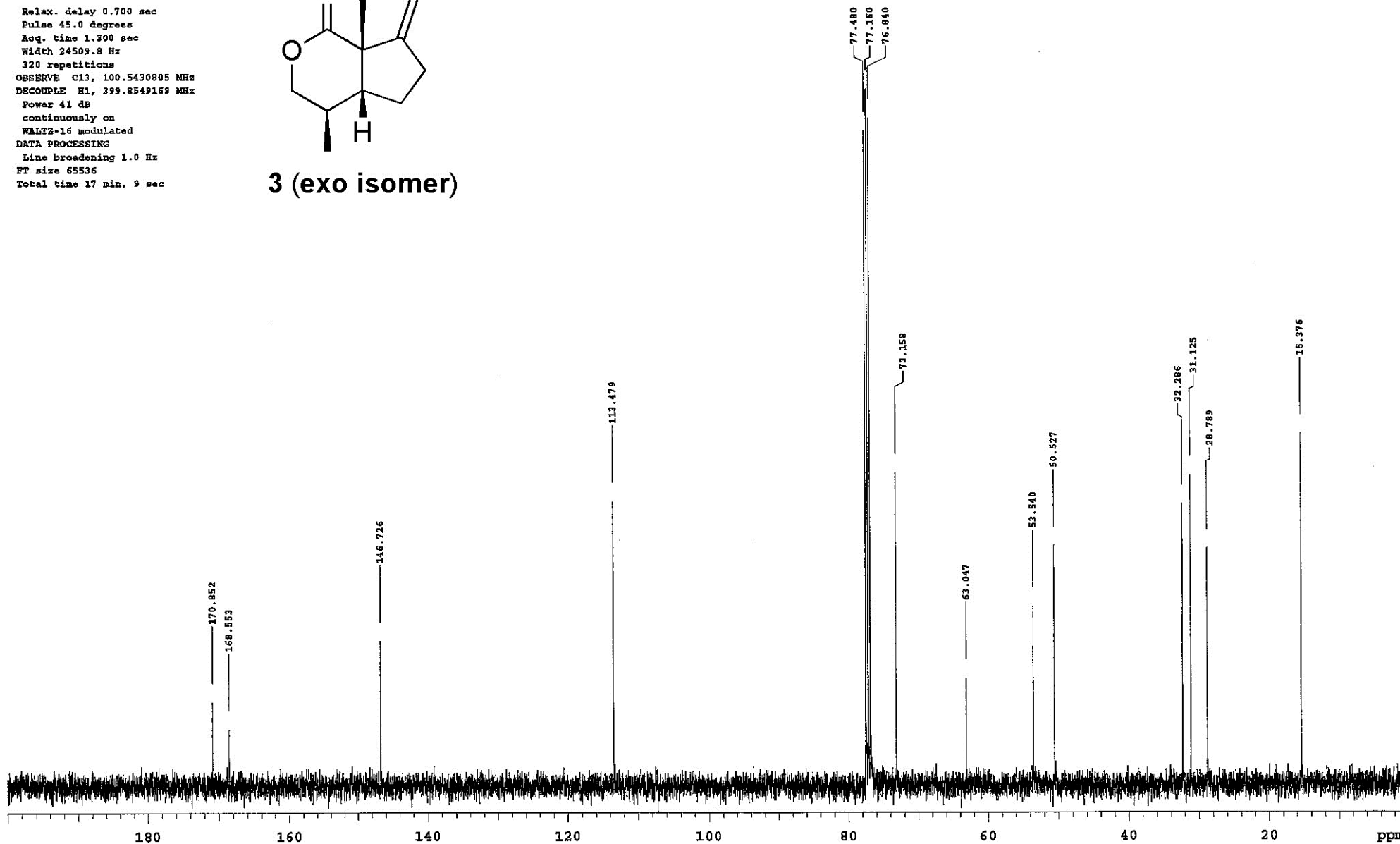
Line broadening 1.0 Hz

FT size 65536

Total time 17 min, 9 sec



3 (exo isomer)

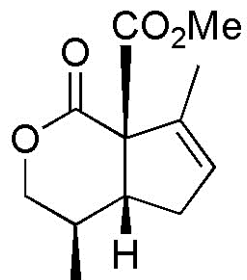


File: exp

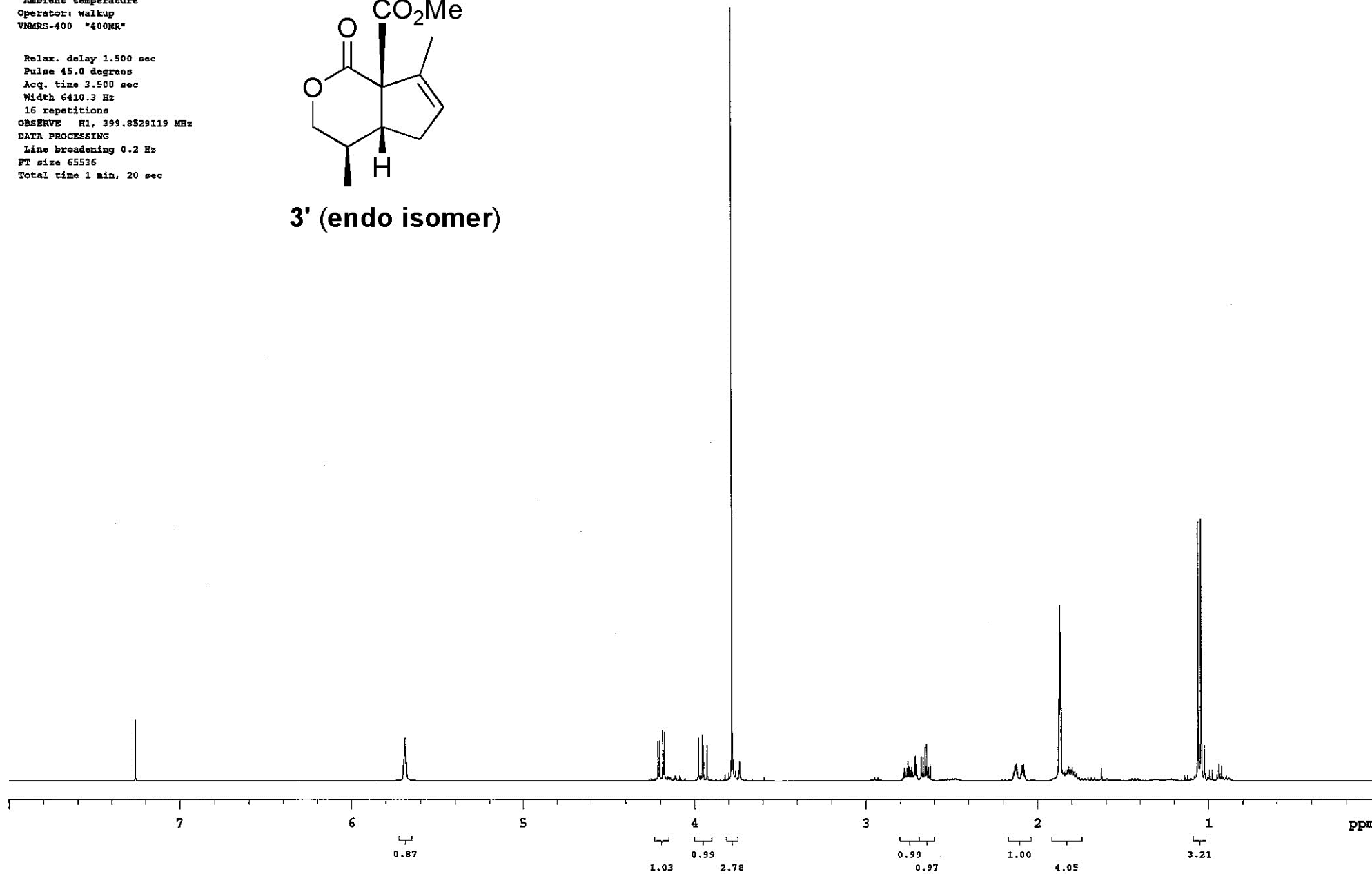
Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VNMRS-400 "400MR"

Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.500 sec
Width 6410.3 Hz
16 repetitions
OBSERVE H1, 399.8529119 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min, 20 sec



3' (endo isomer)

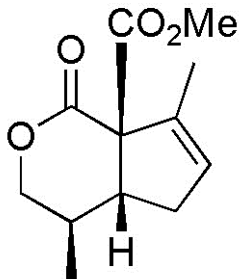


File: exp

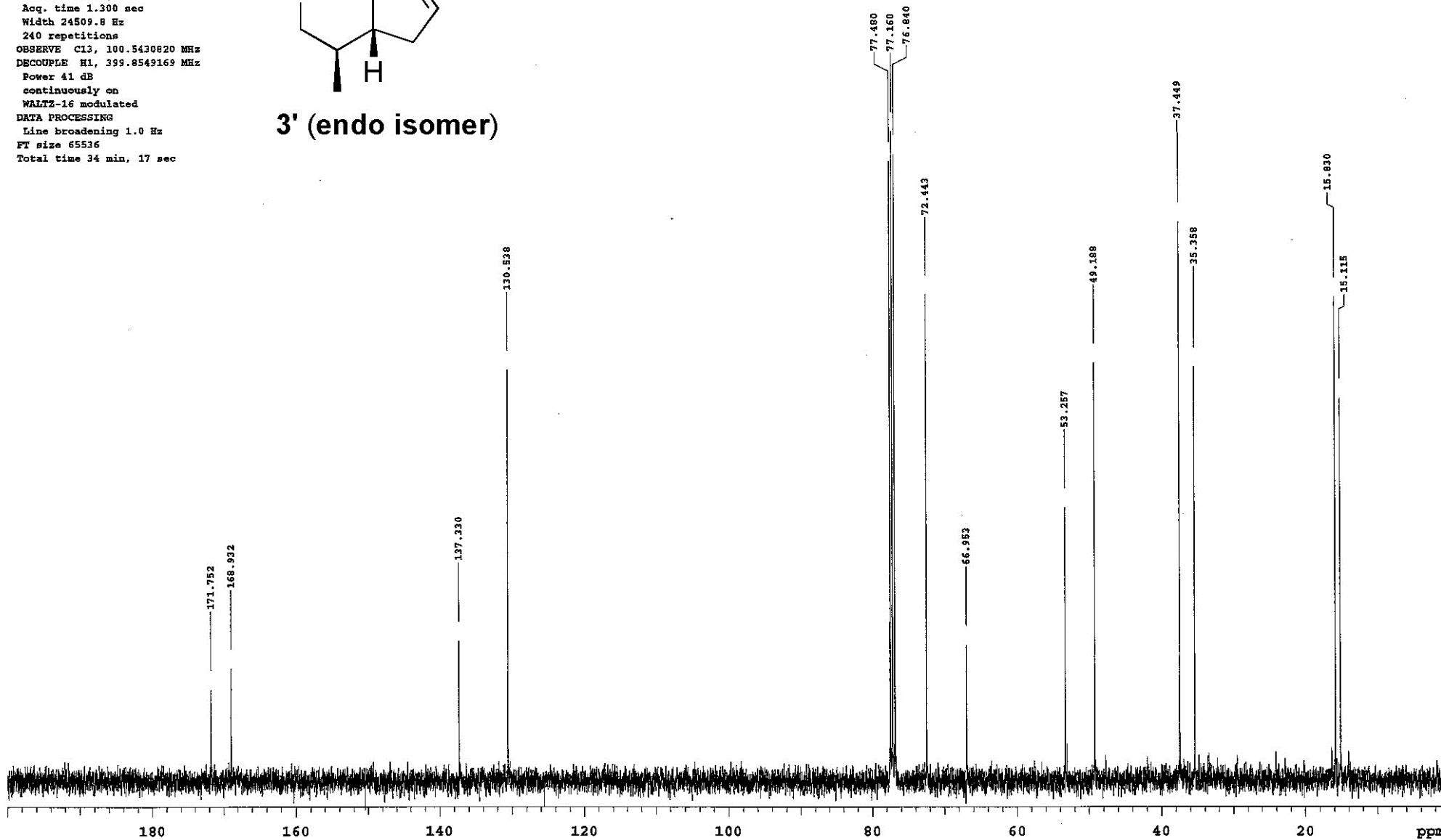
Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VNMR5-400 "400MR"

Relax. delay 0.700 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 24509.8 Hz
240 repetitions
OBSERVE C13, 100.5430620 MHz
DECOUPLE H1, 399.8549169 MHz
Power 41 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 34 min, 17 sec



3' (endo isomer)

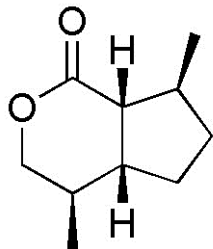


File: exp

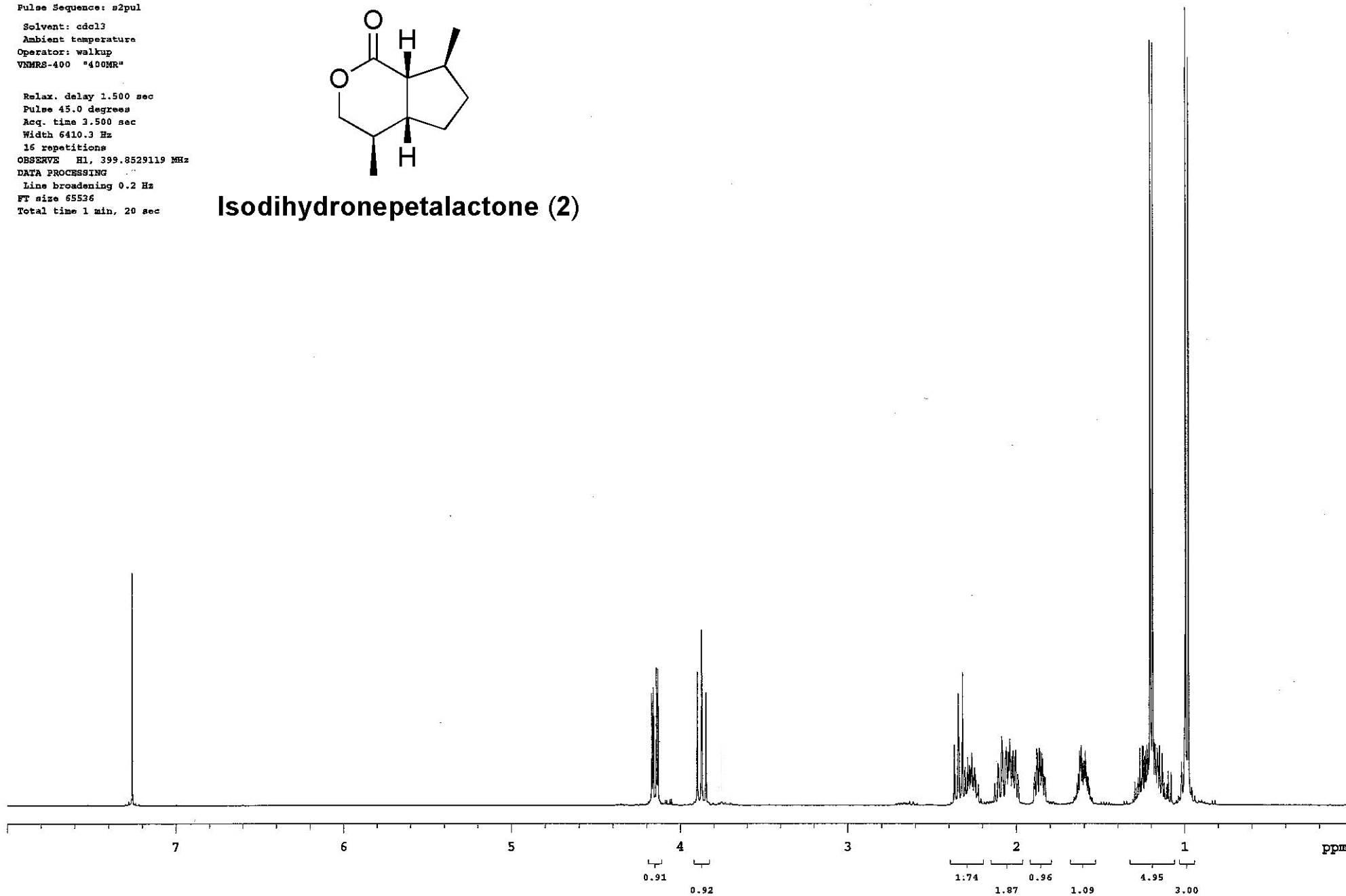
Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VNMRS-400 "400MR"

Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.500 sec
Width 6410.3 Hz
16 repetitions
OBSERVE H1, 399.8529119 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65526
Total time 1 min, 20 sec



Isodihydronepetalactone (2)



File: exp

Pulse Sequence: s2pul

Solvent: cdcl3

Ambient temperature

Operator: walkup

VNMRS-400 "400MR"

Relax. delay 0.700 sec

Pulse 45.0 degrees

Acq. time 1.300 sec

Width 24509.8 Hz

240 repetitions

OBSERVE C13, 100.5430813 MHz

DECOUPLE H1, 399.8549169 MHz

Power 41 dB

continuously on

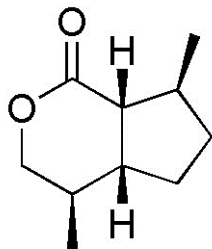
WALTZ-16 modulated

DATA PROCESSING

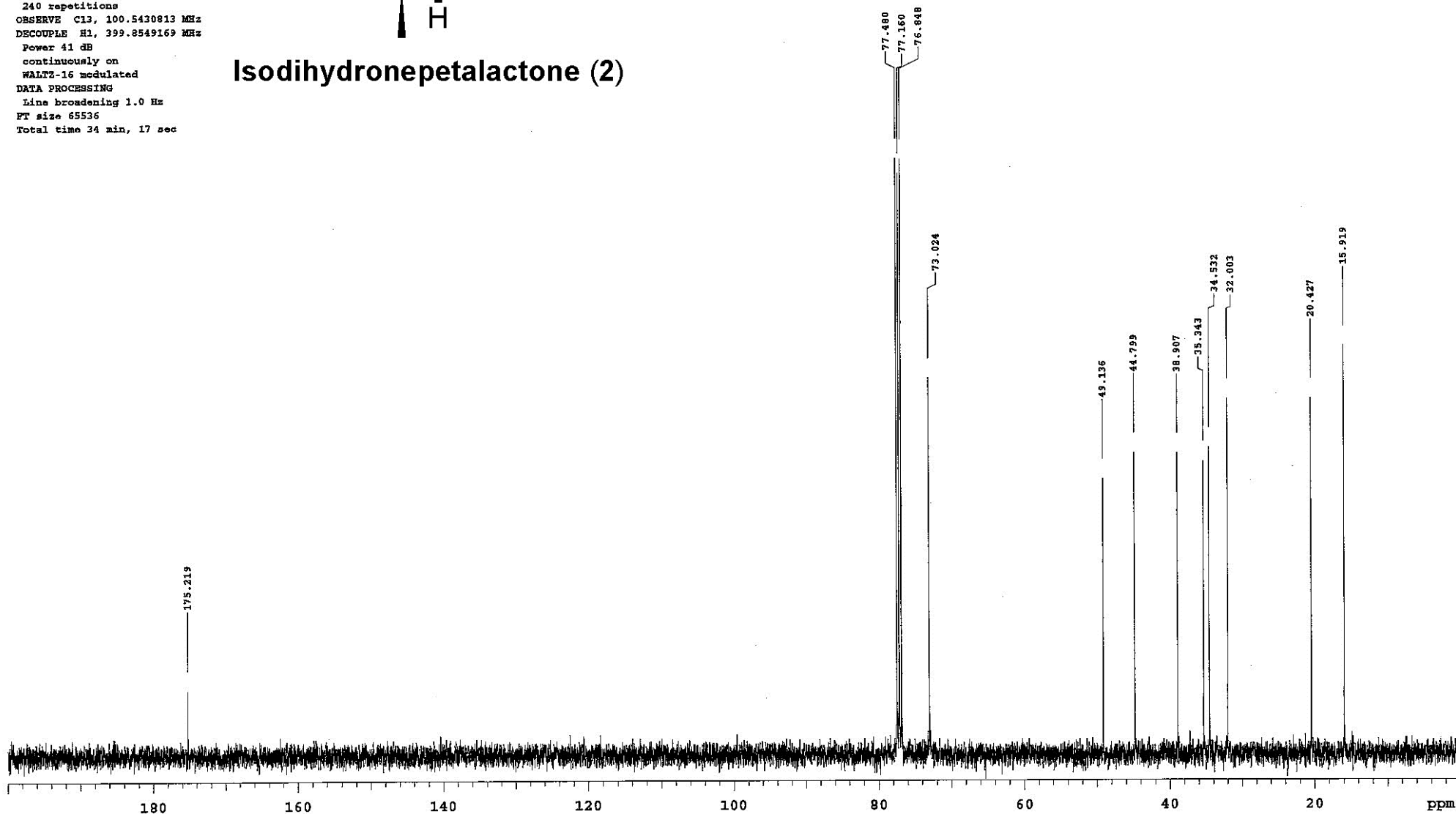
Line broadening 1.0 Hz

FT size 65536

Total time 34 min, 17 sec



Isodihydronepetalactone (2)

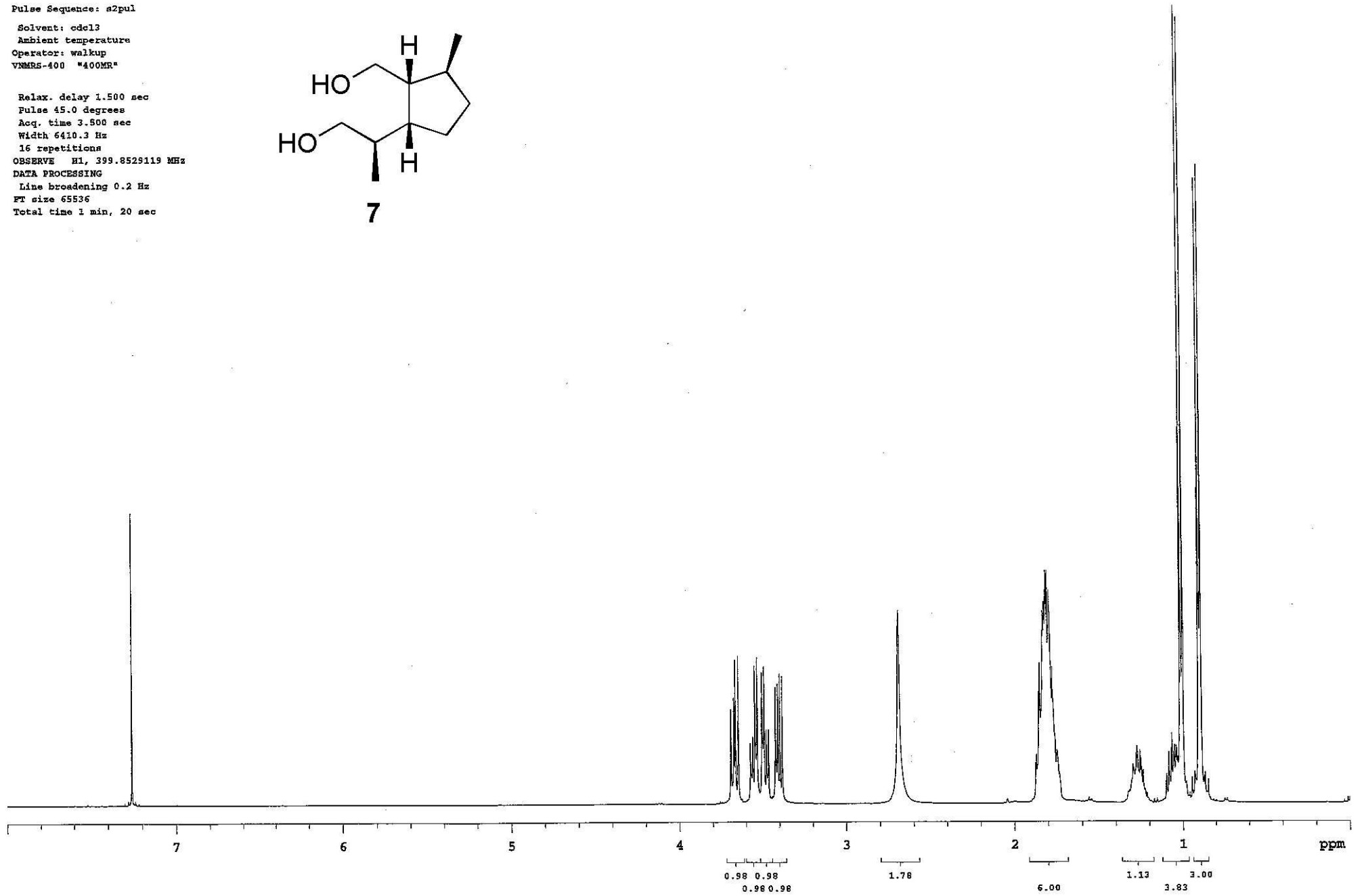
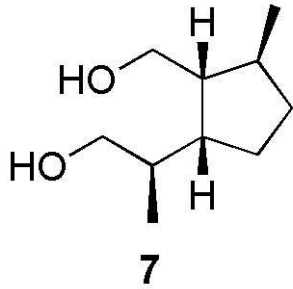


File: exp

Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VMRS-400 "400MR"

Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.500 sec
Width 6410.3 Hz
16 repetitions
OBSERVE H1, 399.8529119 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min, 20 sec

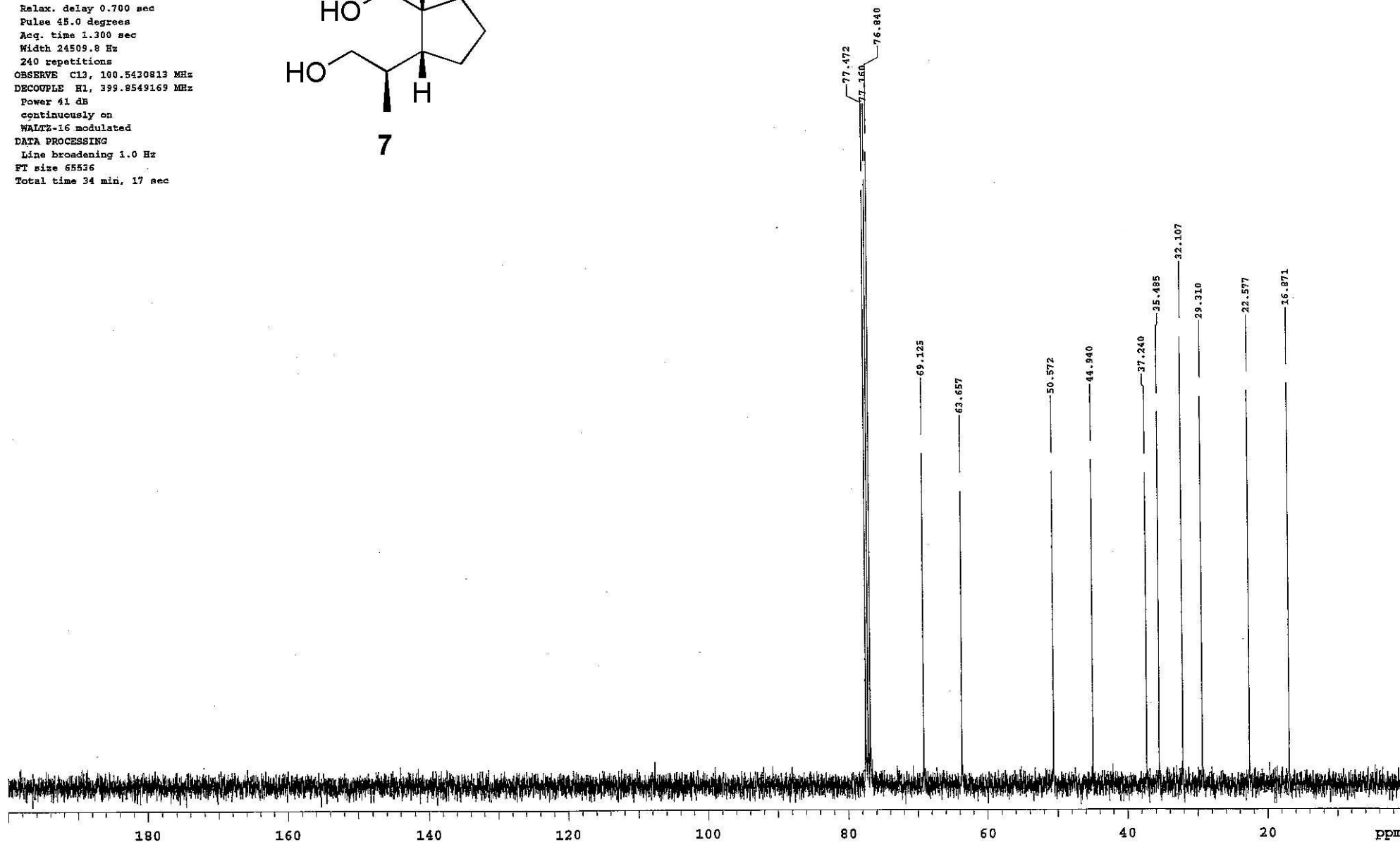
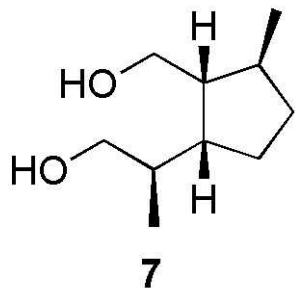


File: exp

Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VMNRS-400 "400MR"

Relax. delay 0.700 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 24509.8 Hz
240 repetitions
OBSERVE C13, 100.5430813 MHz
DECOUPLE H1, 399.8549169 MHz
Power 41 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 34 min, 17 sec

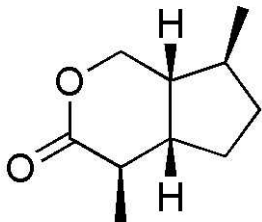


File: exp

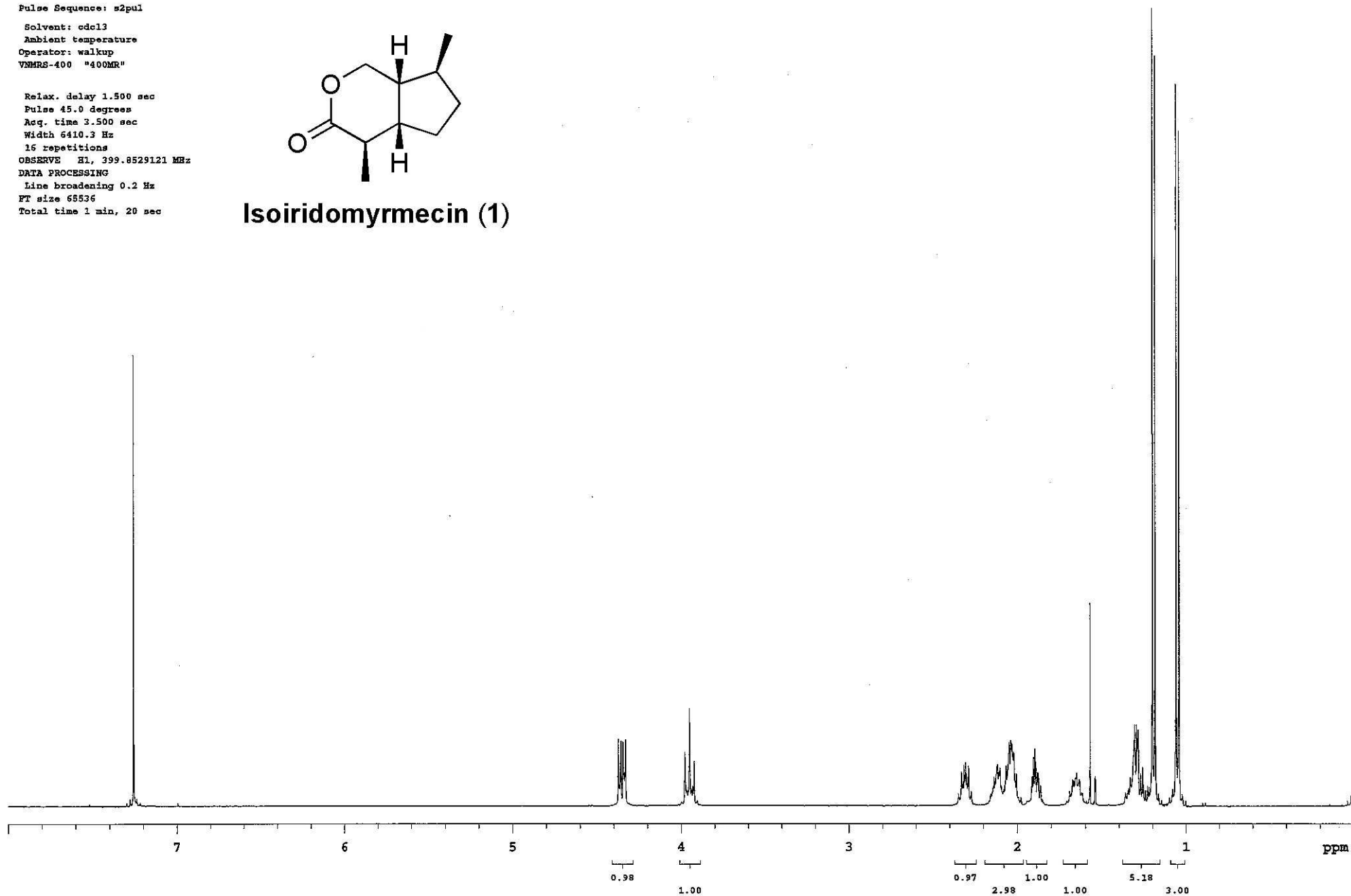
Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VMRS-400 "400MR"

Relax. delay 1.500 sec
Pulse 45.0 degrees
Acq. time 3.500 sec
Width 6410.3 Hz
16 repetitions
OBSERVE E1, 399.8529121 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min, 20 sec



Isoiridomyrmecin (1)

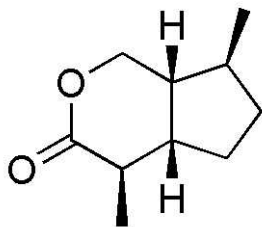


File: exp

Pulse Sequence: s2pul

Solvent: cdcl3
Ambient temperature
Operator: walkup
VNMR5-400 "400MR"

Relax. delay 0.700 sec
Pulse 45.0 degrees
Acq. time 1.300 sec
Width 24509.8 Hz
320 repetitions
OBSERVE C13, 100.5430805 MHz
DECOUPLE H1, 399.8549169 MHz
Power 41 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 34 min, 17 sec



Isoiridomyrmecin (1)

