

**A Unified Strategy for the Synthesis of
(–)-Maoecrystal Z, (–)-Trichorabdal A, and (–)-Longikaurin E**

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Supporting Information (NMR Spectra):

jc-1-245-A

Sample Name:

jc-1-245-A

Data Collected on:

indy.caltech.edu-inova500

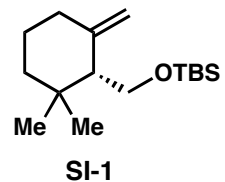
Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-245-A

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Mar 31 2011

Temp. 25.0 C / 298.1 K

Sample #27, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

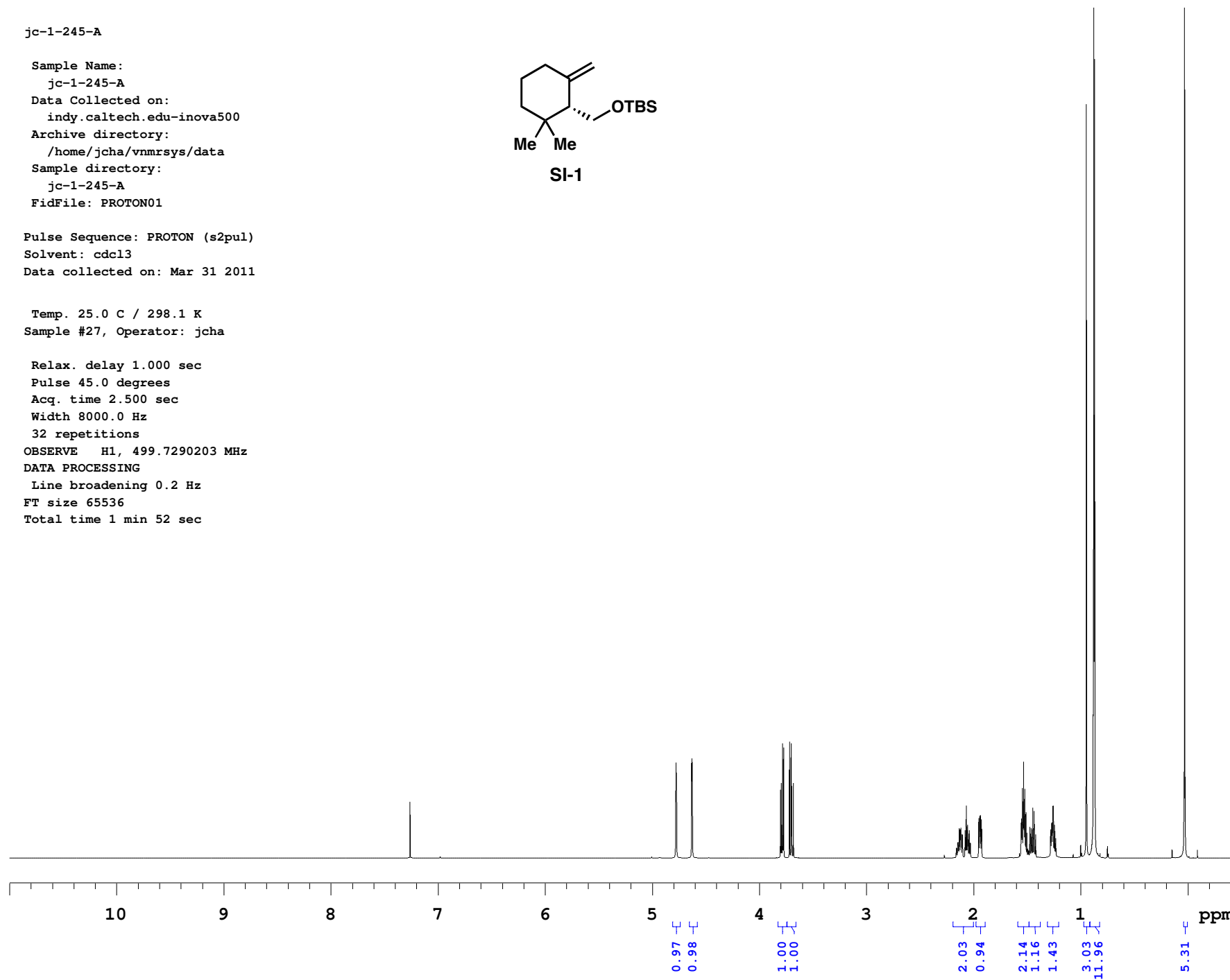
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 52 sec



jc-1-245-A

Sample Name:

jc-1-245-A

Data Collected on:

indy.caltech.edu-inova500

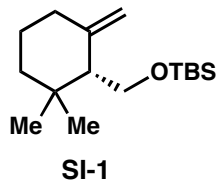
Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-245-A

FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Mar 31 2011

Temp. 25.0 C / 298.1 K

Sample #27, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

256 repetitions

OBSERVE C13, 125.6569604 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

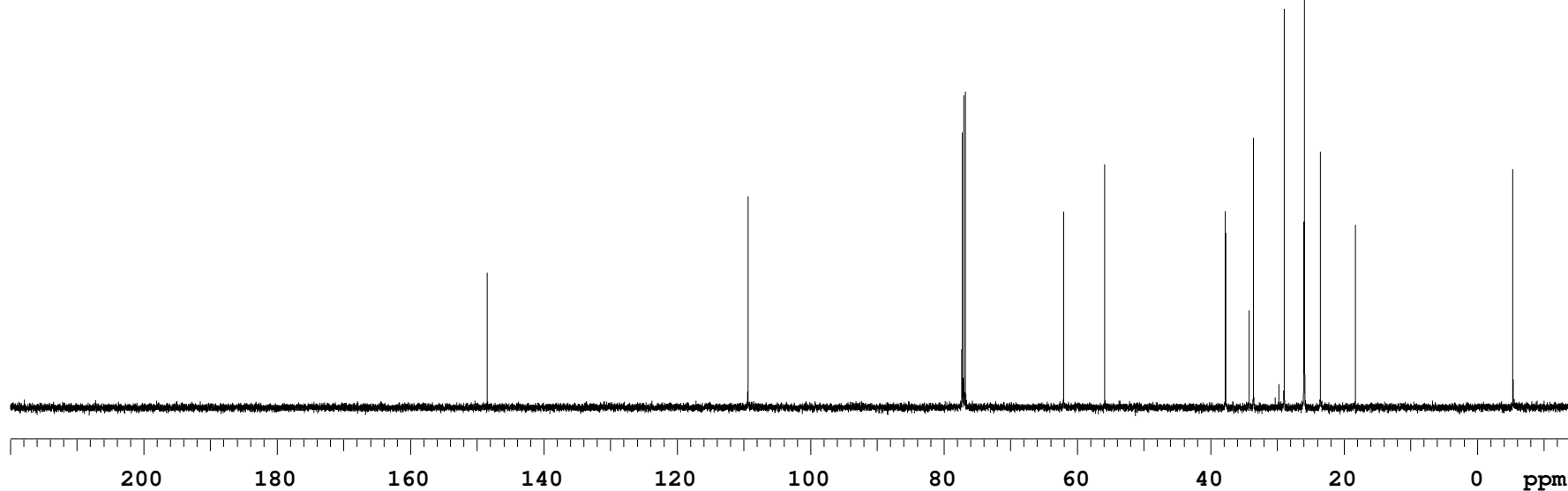
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 8 min 45 sec



jc-1-246-B

Sample Name:

jc-1-246-B

Data Collected on:

indy.caltech.edu-inova500

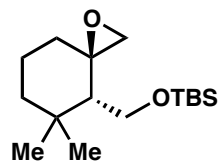
Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-246-B

FidFile: PROTON01



anti-23

major diastereomer

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Apr 1 2011

Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

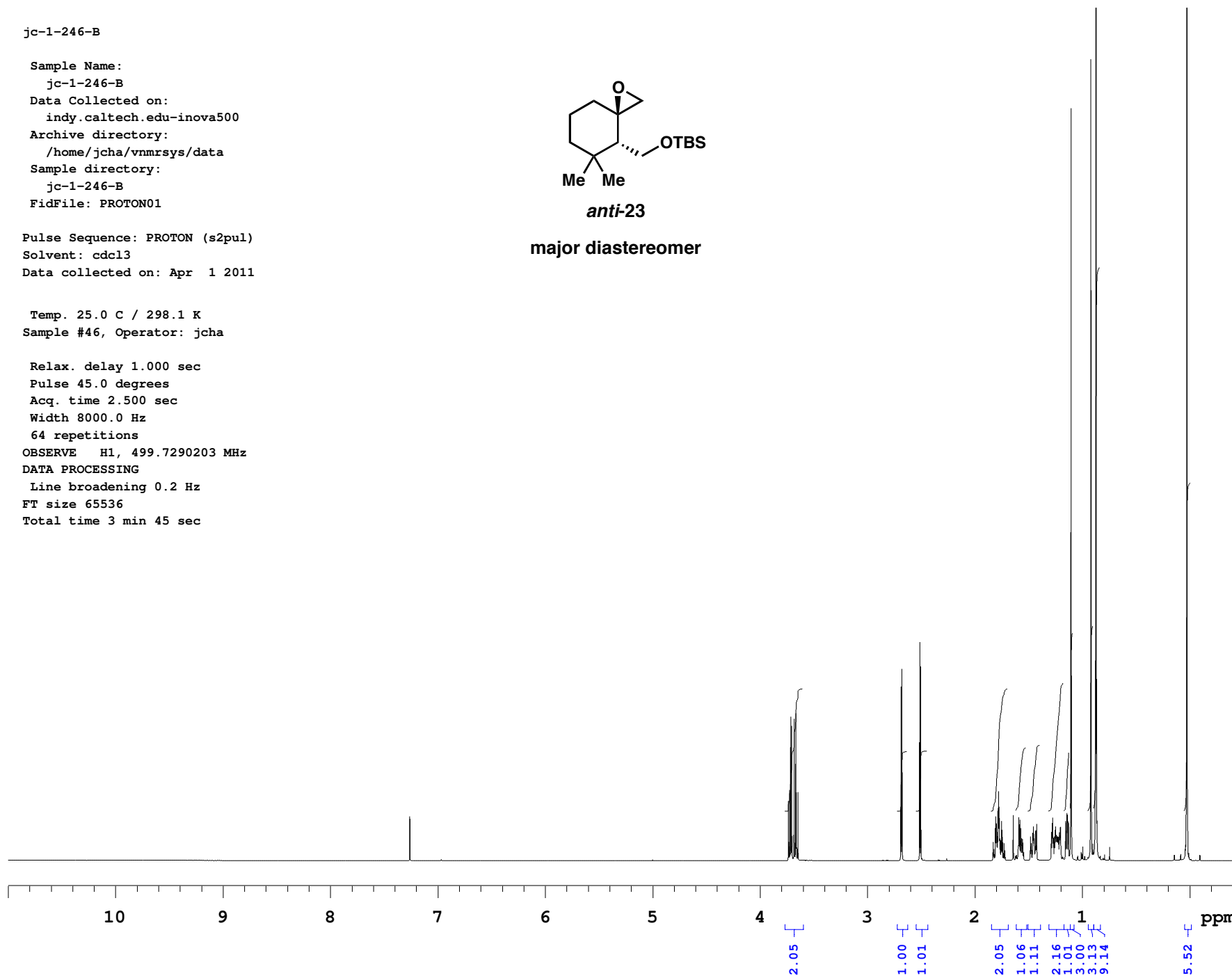
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 3 min 45 sec



jc-1-246-B

Sample Name:

jc-1-246-B

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-246-B

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Apr 1 2011

Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

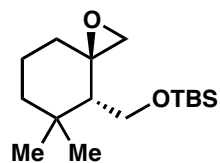
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

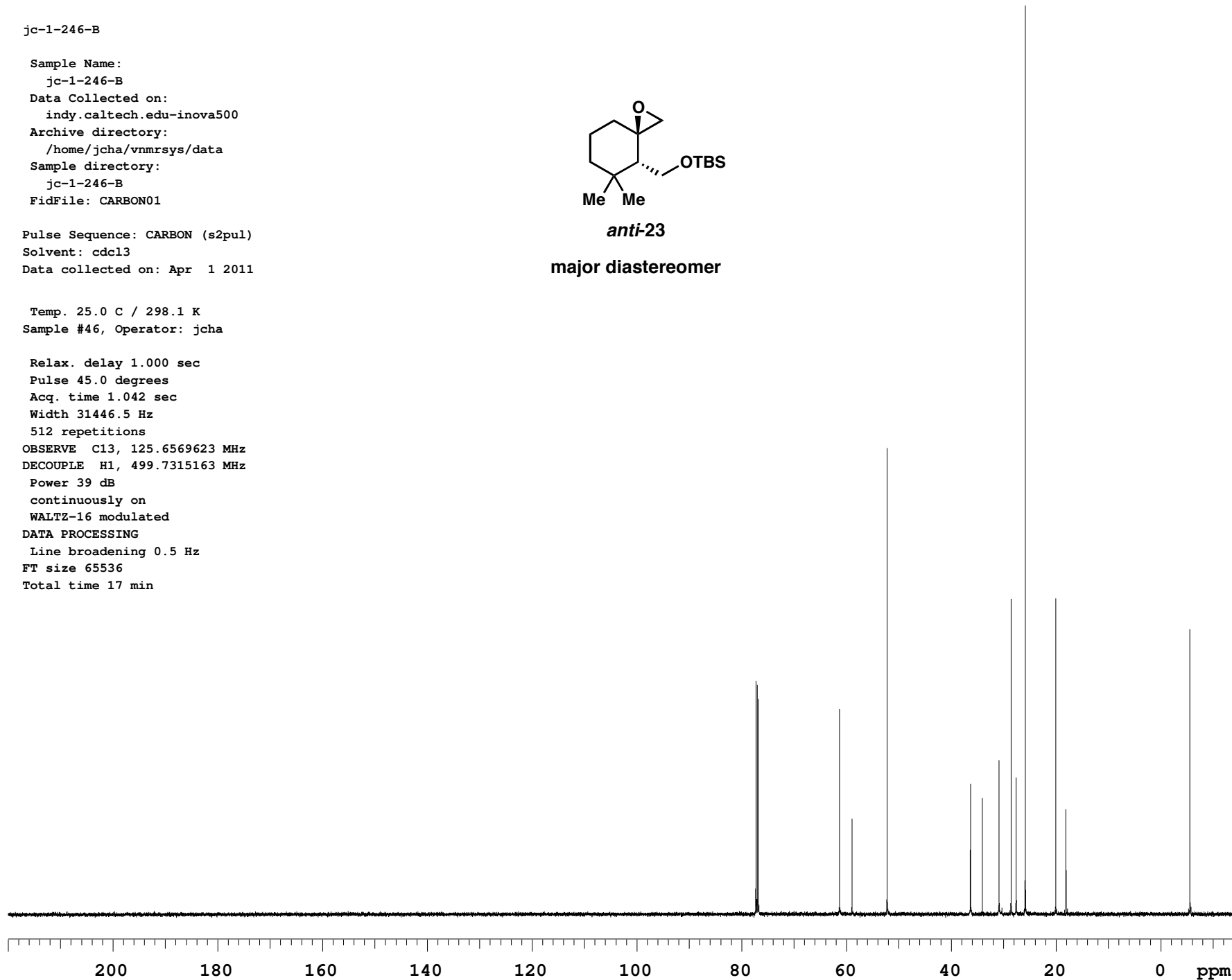
FT size 65536

Total time 17 min



anti-23

major diastereomer



jc-1-246-A

Sample Name:

jc-1-246-A

Data Collected on:

indy.caltech.edu-inova500

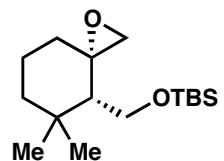
Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-246-A

FidFile: PROTON02



syn-23

minor diastereomer

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Apr 4 2011

Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

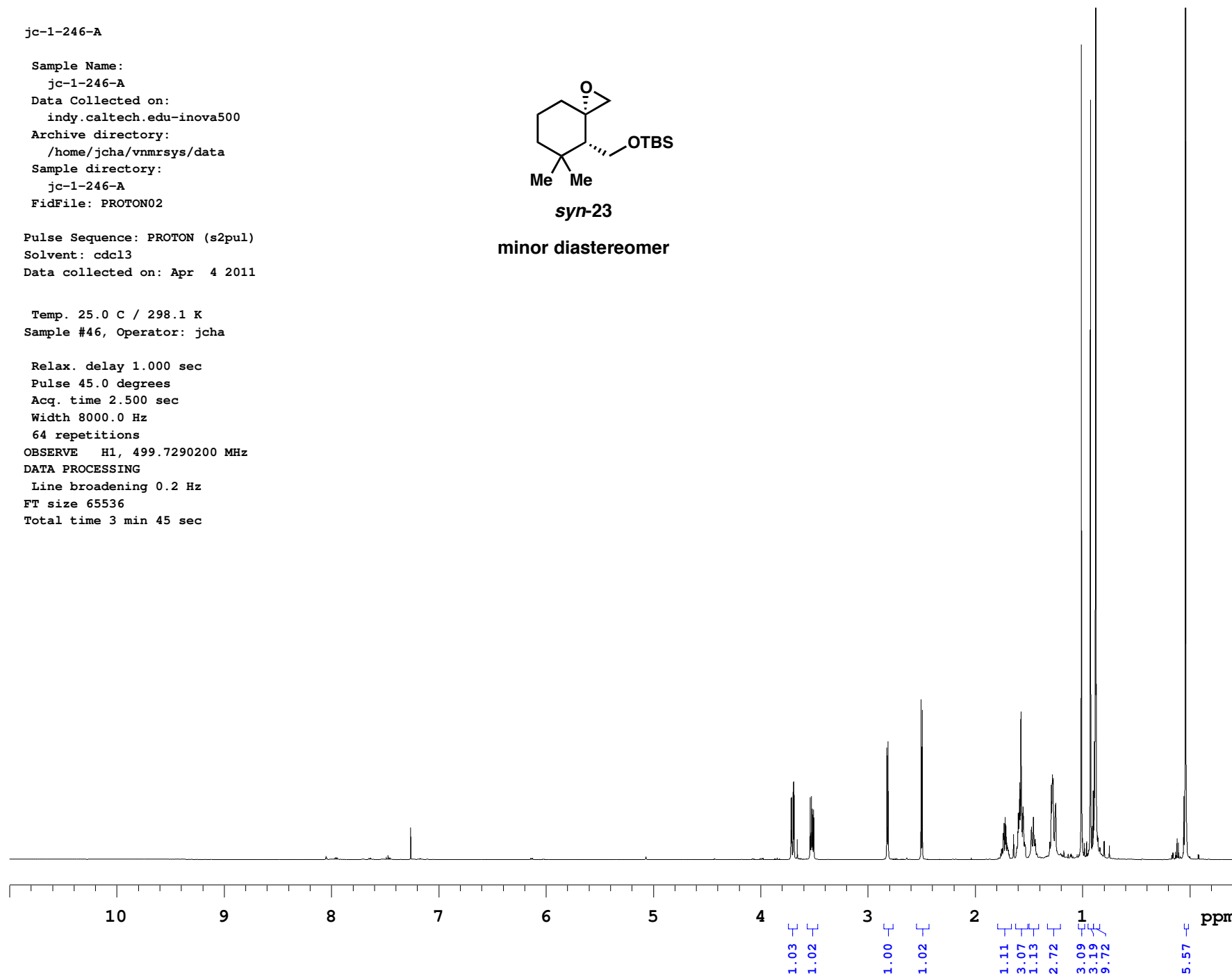
OBSERVE H1, 499.7290200 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 3 min 45 sec



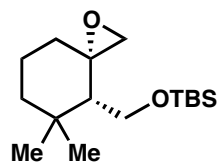
jc-1-246-A

Sample Name:
jc-1-246-A
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/jcha/vnmrsys/data
Sample directory:
jc-1-246-A
FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Apr 4 2011

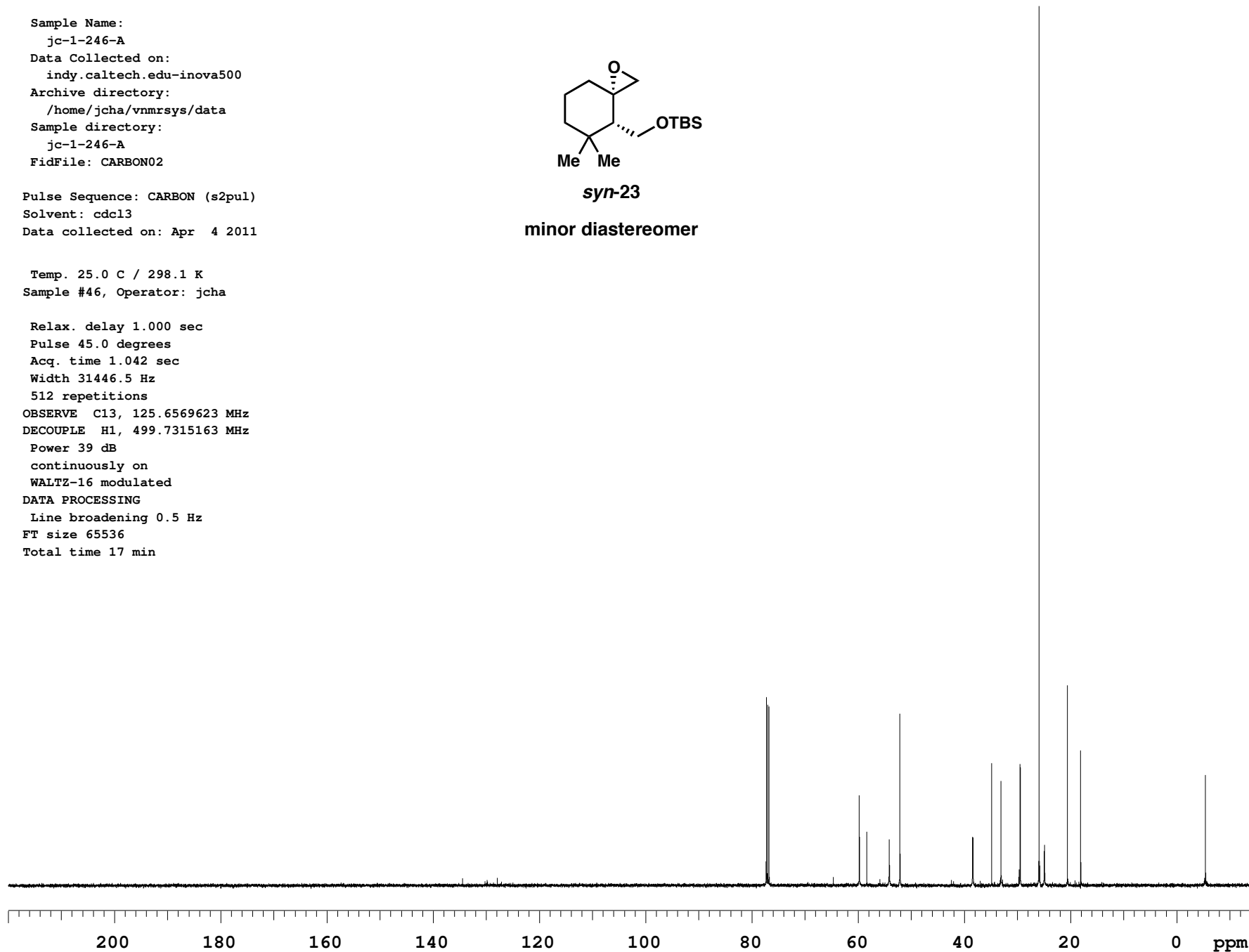
Temp. 25.0 C / 298.1 K
Sample #46, Operator: jcha

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
512 repetitions
OBSERVE C13, 125.6569623 MHz
DECOUPLE H1, 499.7315163 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 17 min



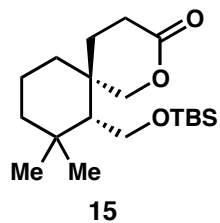
syn-23

minor diastereomer



jtsy-v-287

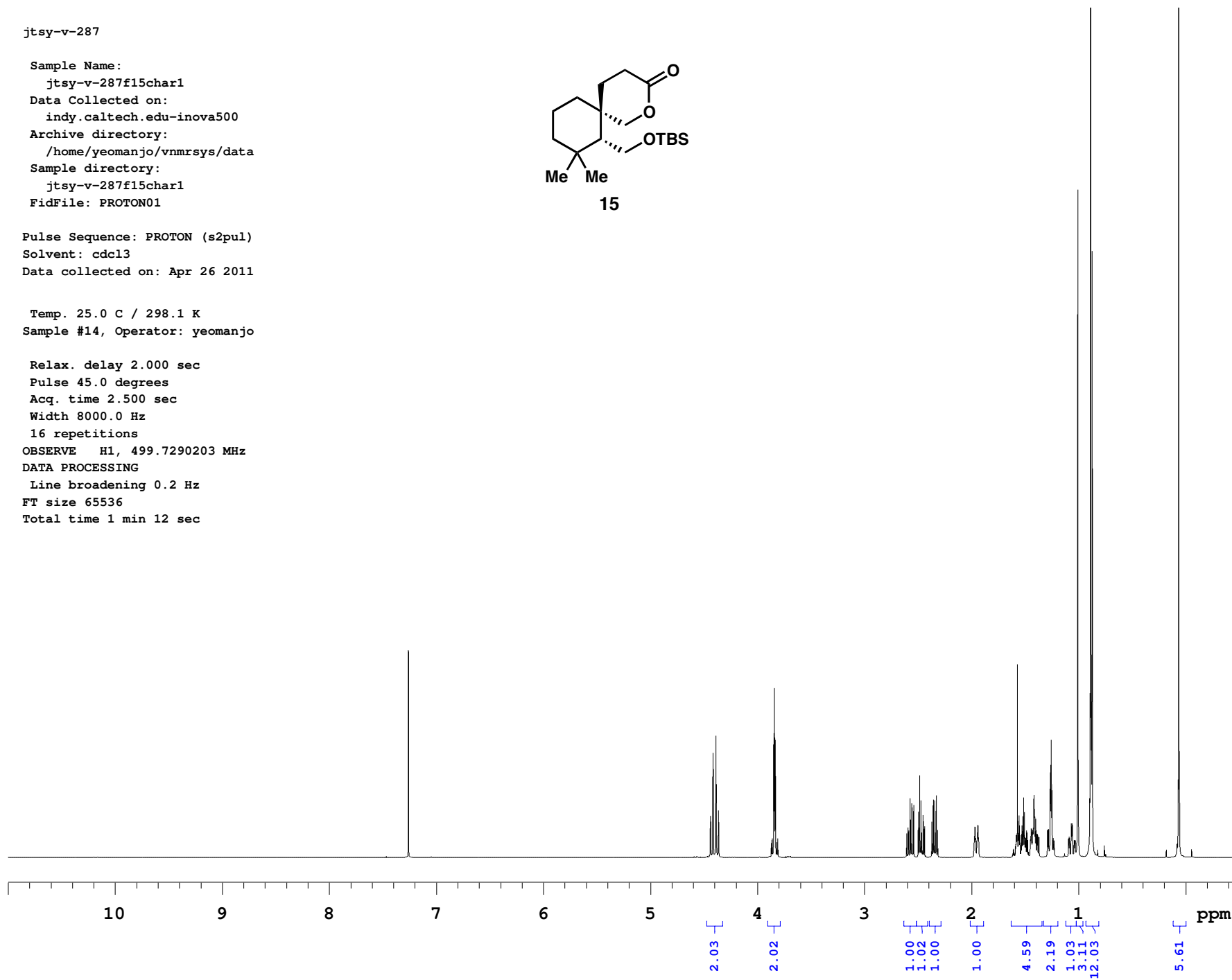
Sample Name:
jtsy-v-287f15char1
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-v-287f15char1
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdc13
Data collected on: Apr 26 2011

Temp. 25.0 C / 298.1 K
Sample #14, Operator: yeomanjo

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
16 repetitions
OBSERVE H1, 499.7290203 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min 12 sec



jtsy-v-287f15char1

Sample Name:

jtsy-v-287f15char1

Data Collected on:

indy.caltech.edu-inova500

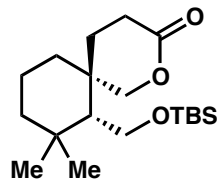
Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-v-287f15char1

FidFile: CARBON01



15

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Apr 26 2011

Temp. 25.0 C / 298.1 K

Sample #14, Operator: yeomanjo

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

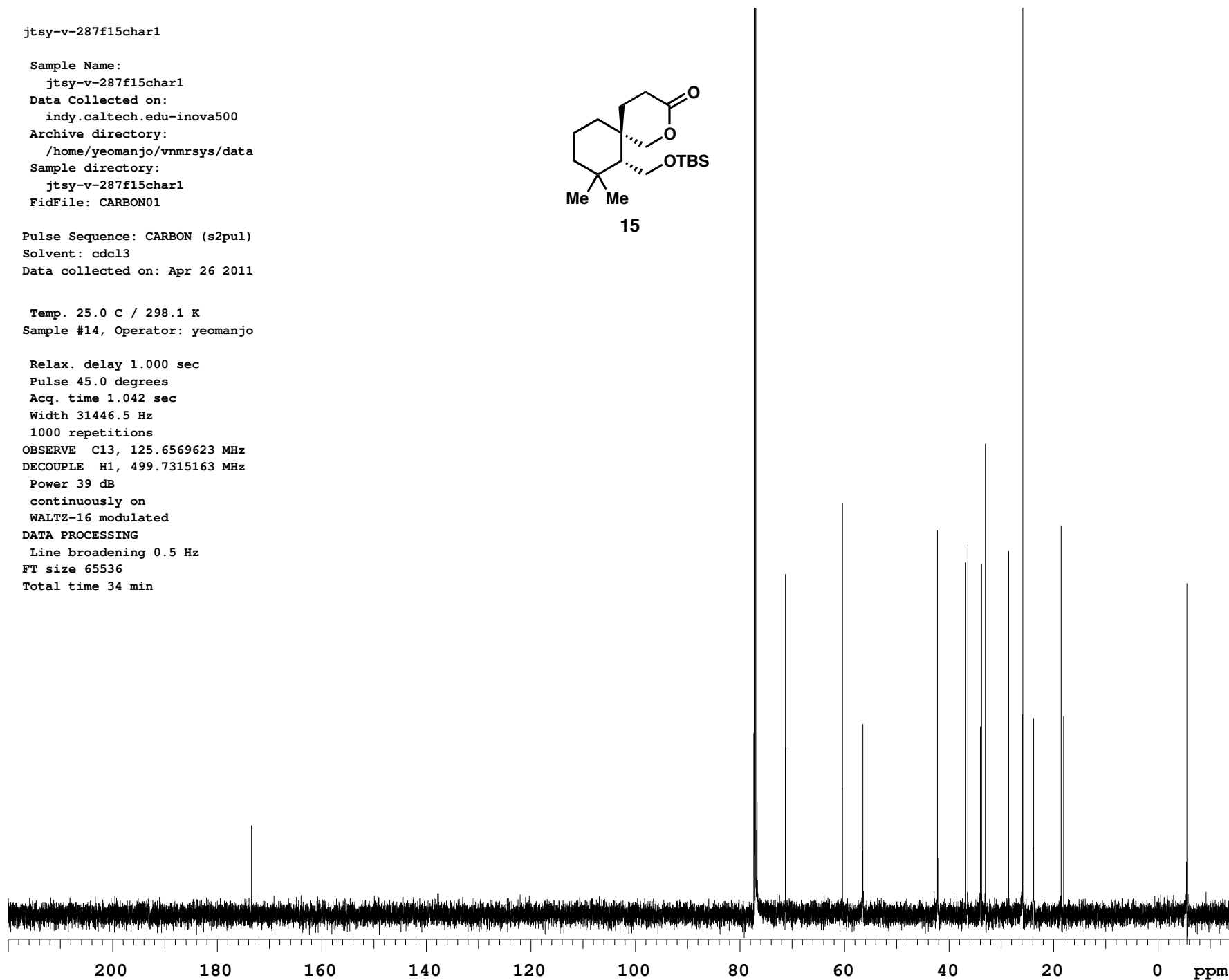
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



jtsy-vi-183rf12-15

Sample Name:

jtsy-vi-183rf12-15

Data Collected on:

indy.caltech.edu-inova500

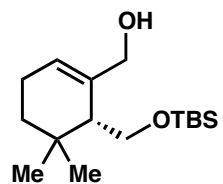
Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-vi-183rf12-15

FidFile: PROTON02



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Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jul 21 2011

Sample #14, Operator: yeomanjo

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

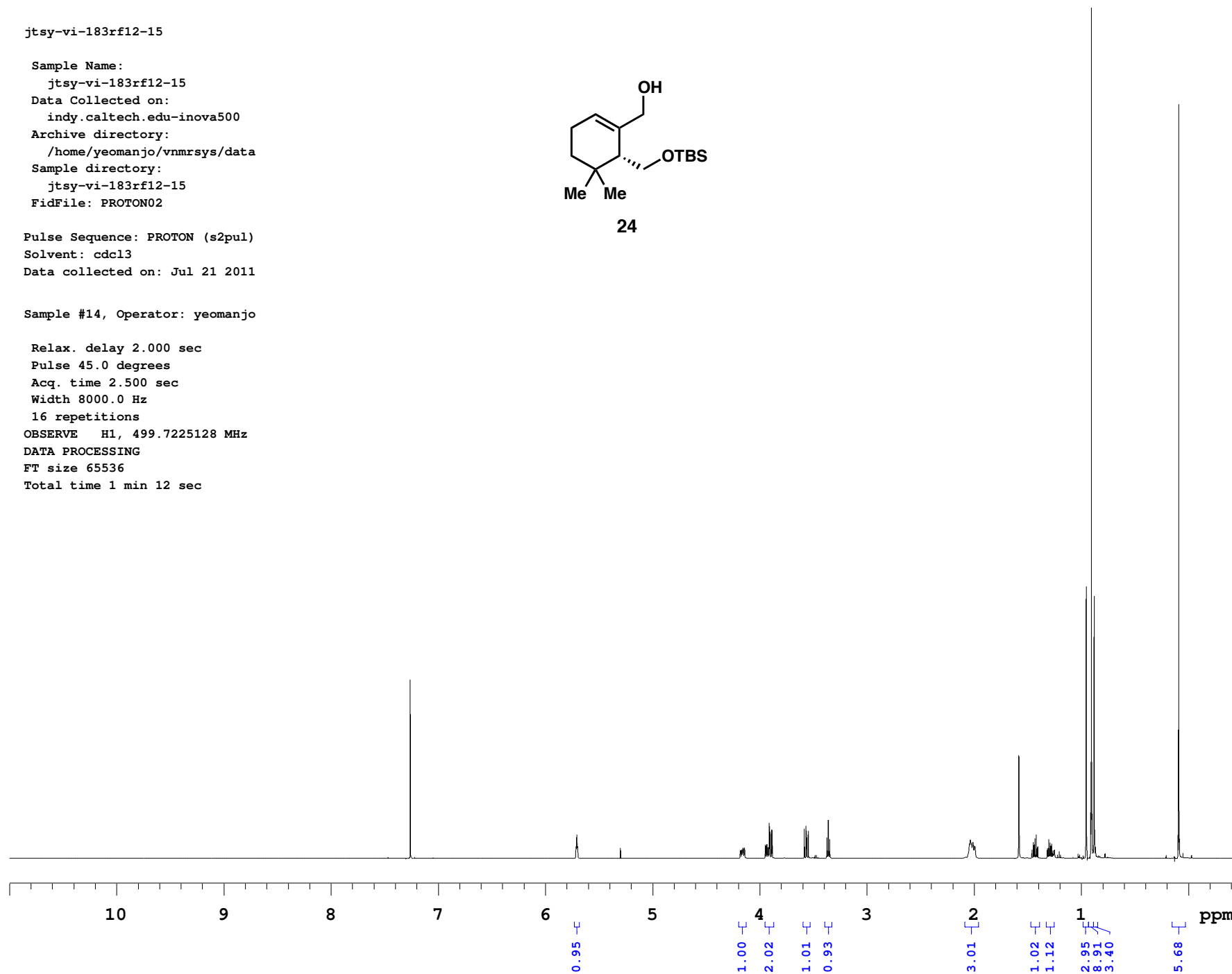
16 repetitions

OBSERVE H1, 499.7225128 MHz

DATA PROCESSING

FT size 65536

Total time 1 min 12 sec



jtsy-vi-183rf12-15

Sample Name:

jtsy-vi-183rf12-15

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-vi-183rf12-15

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 21 2011

Sample #14, Operator: yeomanjo

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1700 repetitions

OBSERVE C13, 125.6553262 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

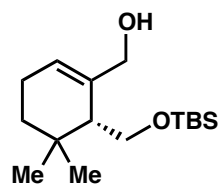
WALTZ-16 modulated

DATA PROCESSING

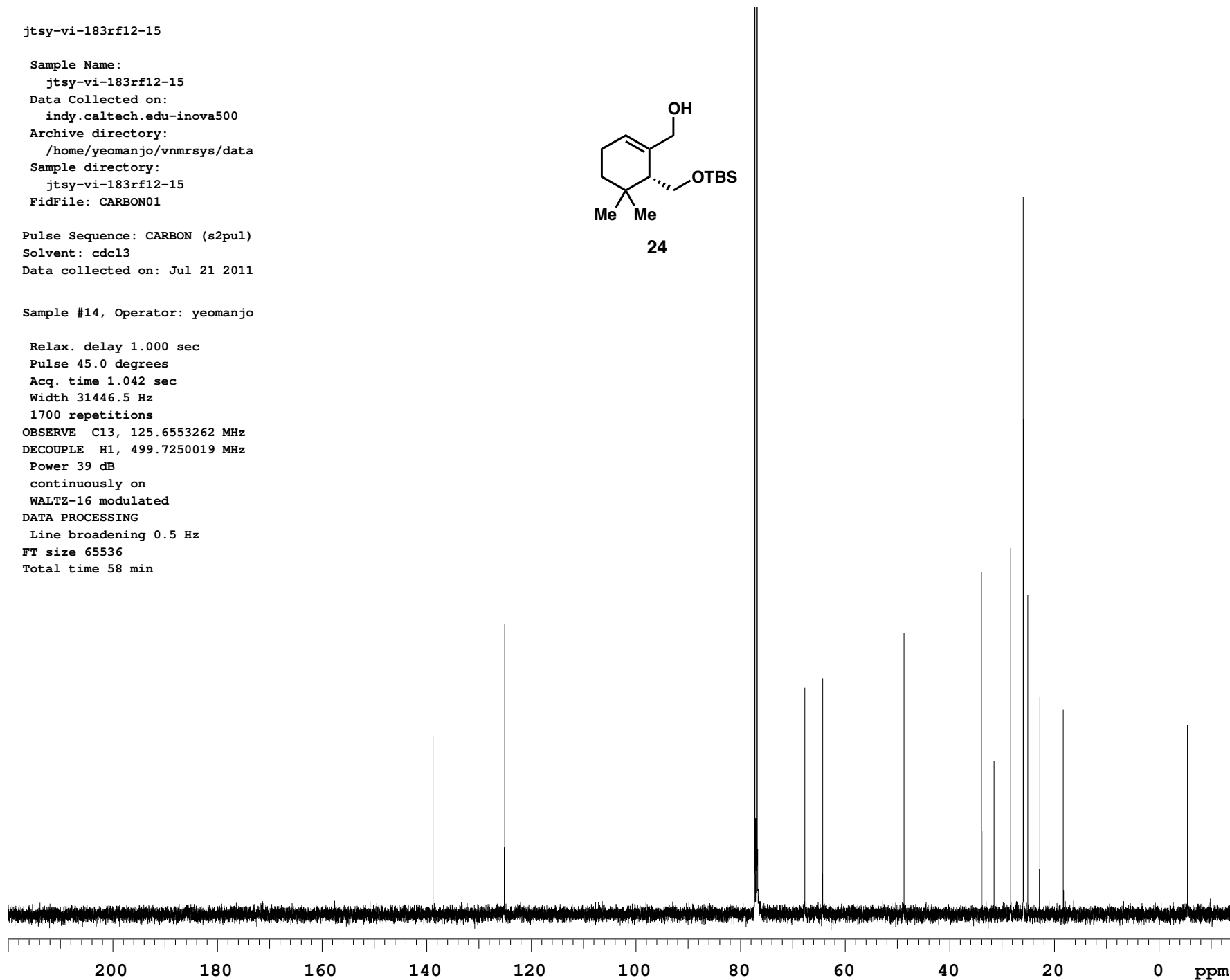
Line broadening 0.5 Hz

FT size 65536

Total time 58 min



24



dep-spirolactone-rf

Sample Name:

dep-spirolactone-rf

Data Collected on:

indy.caltech.edu-inova500

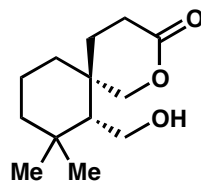
Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

dep-spirolactone-rf

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jul 20 2011

Sample #33, Operator: yeomanjo

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

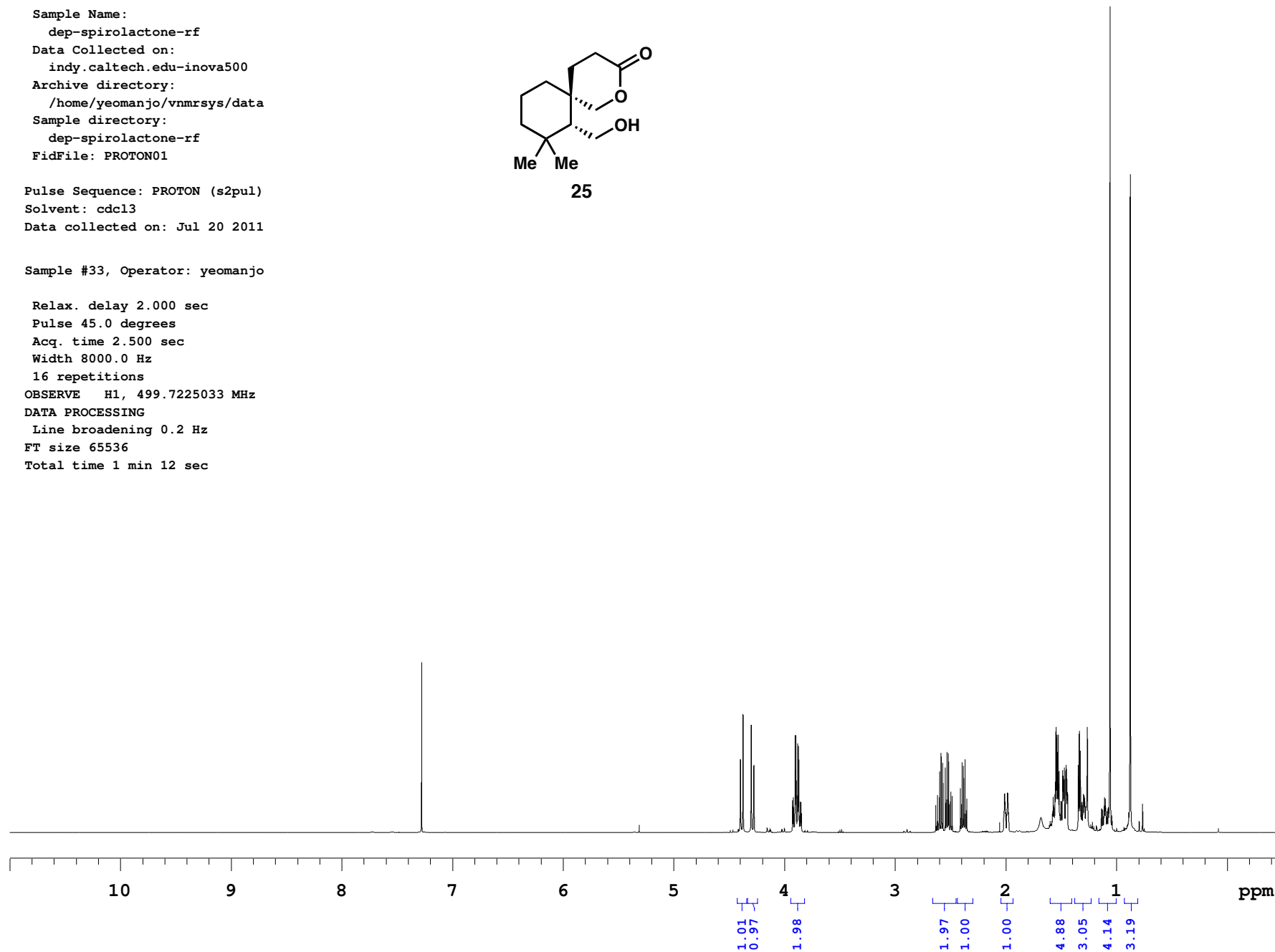
OBSERVE H1, 499.7225033 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 12 sec



dep-spirolactone-rf

Sample Name:

dep-spirolactone-rf

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

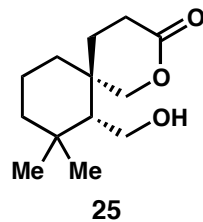
dep-spirolactone-rf

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 20 2011



Sample #33, Operator: yeomanjo

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1160 repetitions

OBSERVE C13, 125.6553291 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

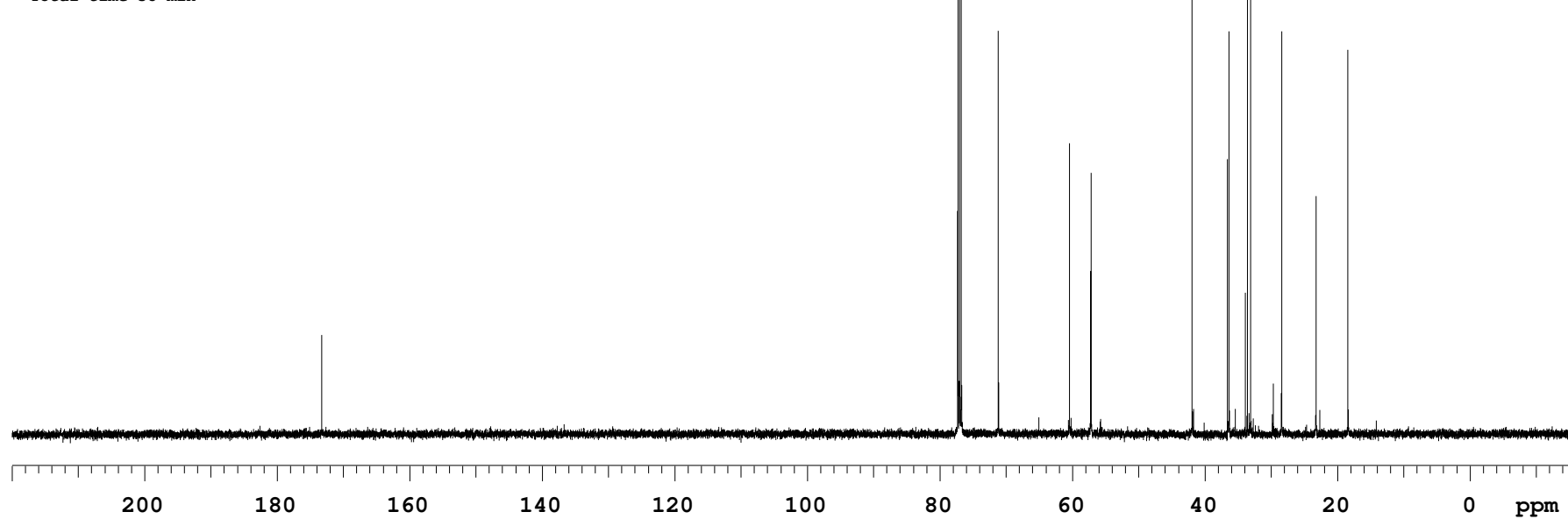
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 58 min



jc-1-210-A

Sample Name:

jc-1-210-A

Data Collected on:

indy.caltech.edu-inova500

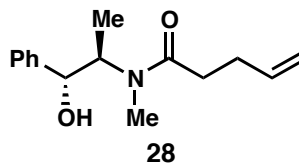
Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-210-A

FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Apr 8 2011

Temp. 25.0 C / 298.1 K

Sample #41, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

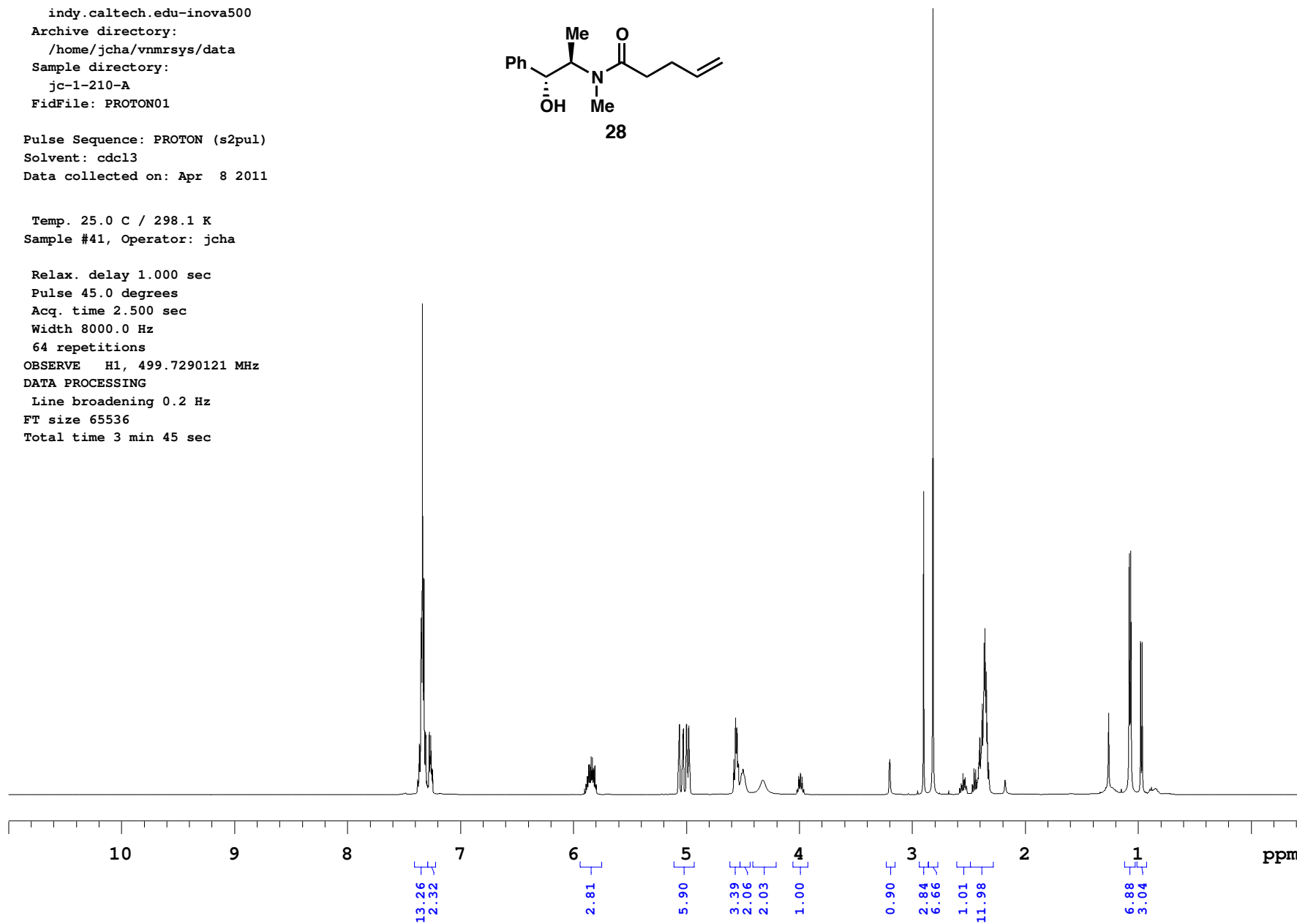
OBSERVE H1, 499.7290121 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 3 min 45 sec



jc-1-210-A

Sample Name:

jc-1-210-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-210-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Apr 8 2011

Temp. 25.0 C / 298.1 K

Sample #41, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6569729 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

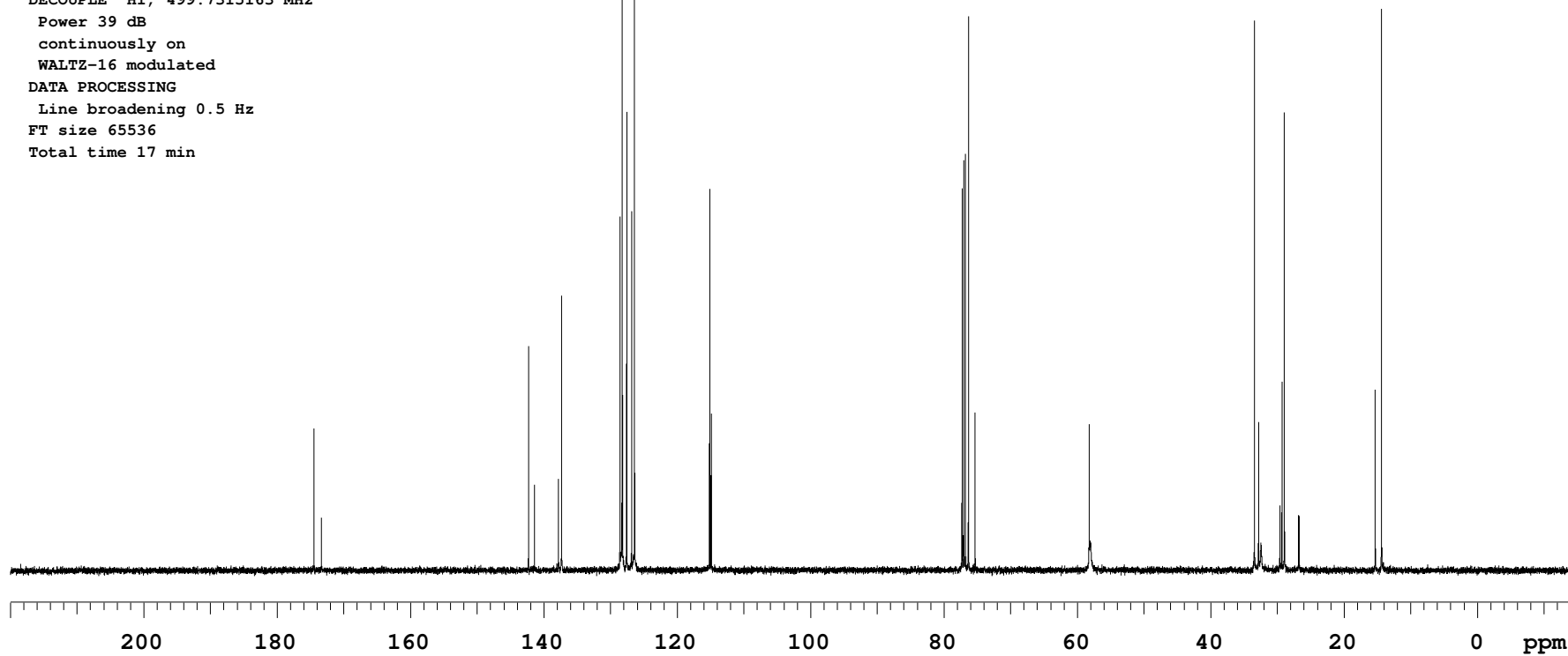
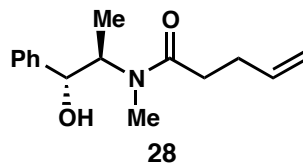
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 17 min



jc-1-231-A

Sample Name:

jc-1-231-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-231-A

FidFile: PROTON03

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Apr 2 2011

Temp. 25.0 C / 298.1 K

Sample #33, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

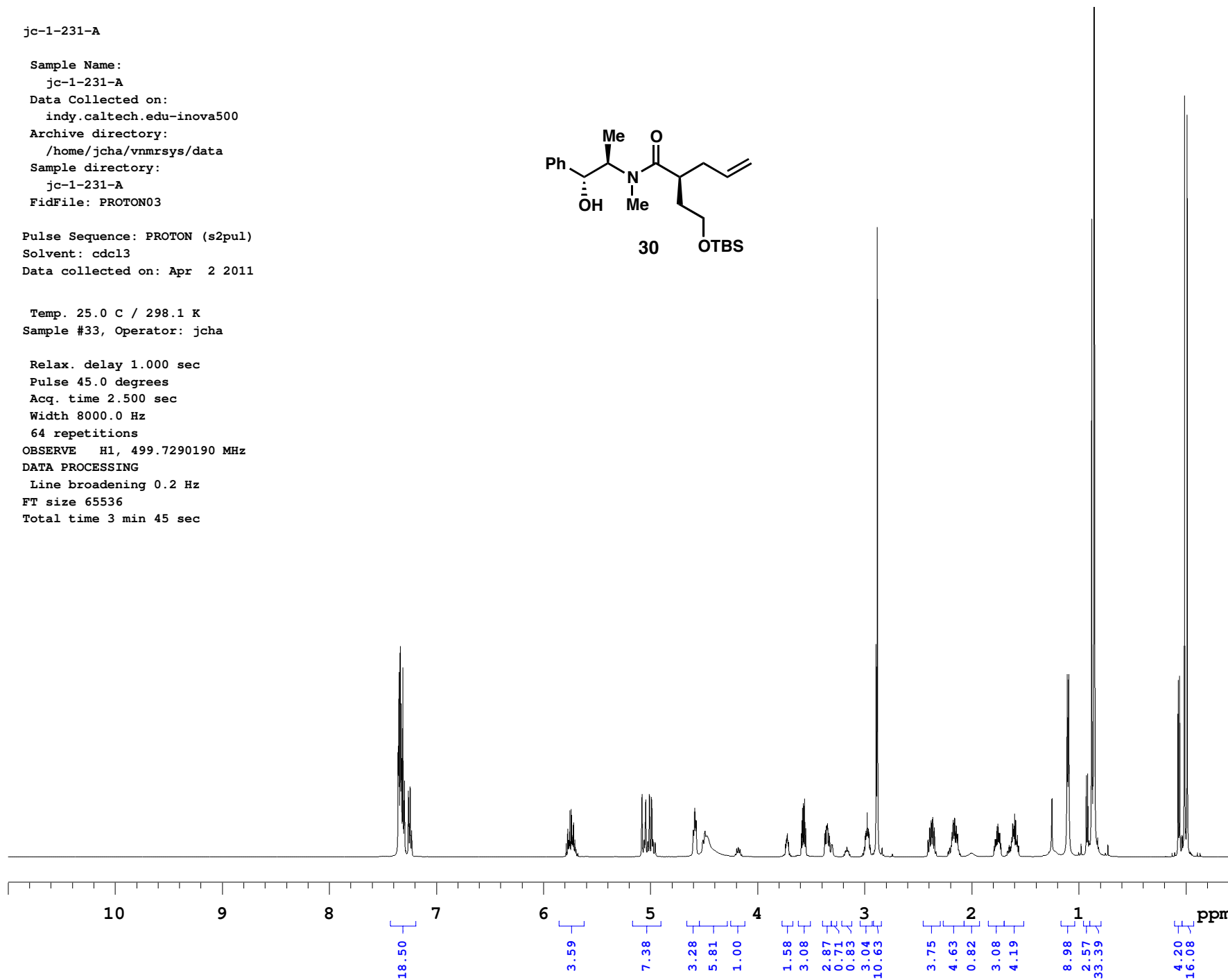
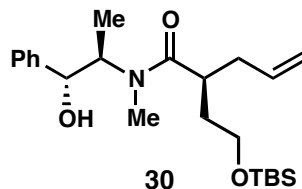
OBSERVE H1, 499.7290190 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 3 min 45 sec



jc-1-231-A

Sample Name:

jc-1-231-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

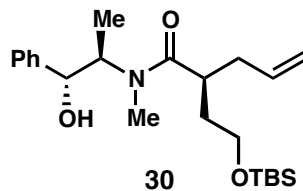
jc-1-231-A

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Apr 2 2011



Temp. 25.0 C / 298.1 K

Sample #33, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6569671 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

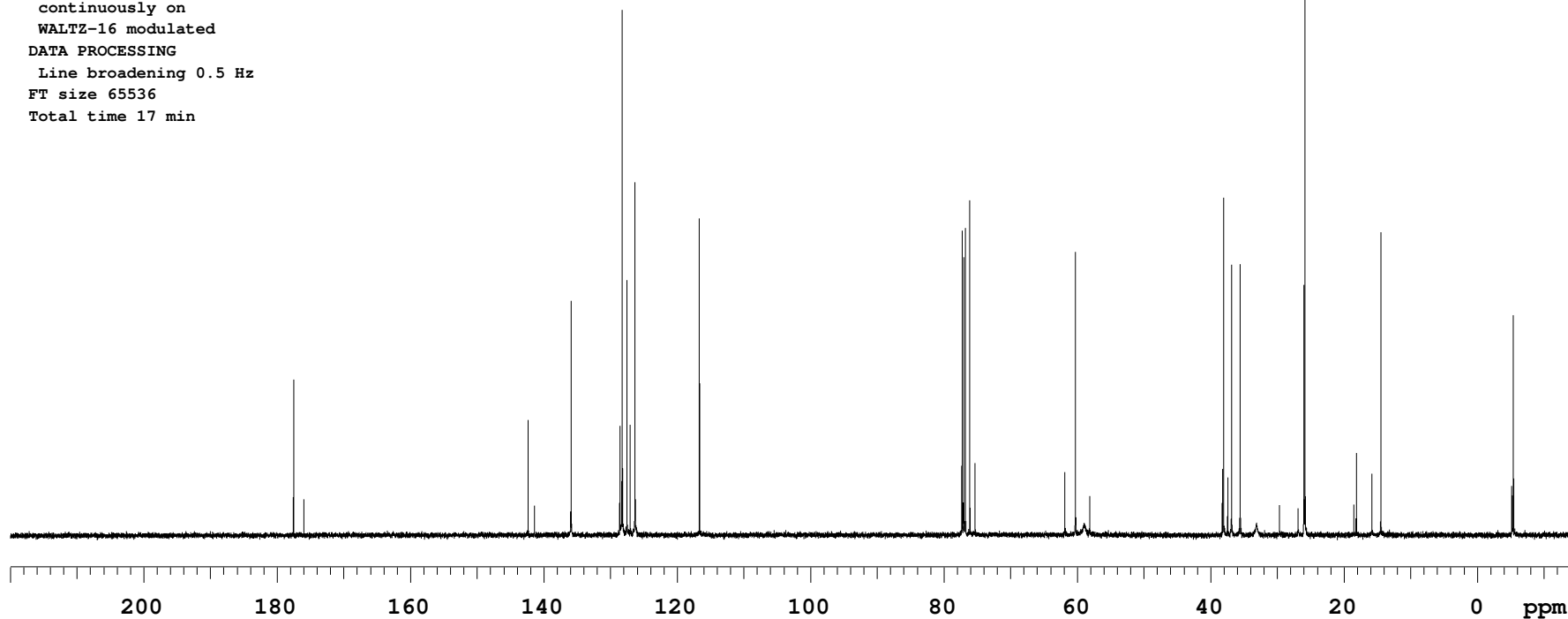
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 17 min



jc-1-241-A

Sample Name:

jc-1-241-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

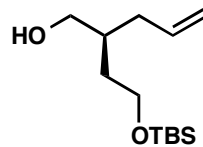
jc-1-241-A

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Mar 21 2011



SI-2

Temp. 25.0 C / 298.1 K

Sample #33, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

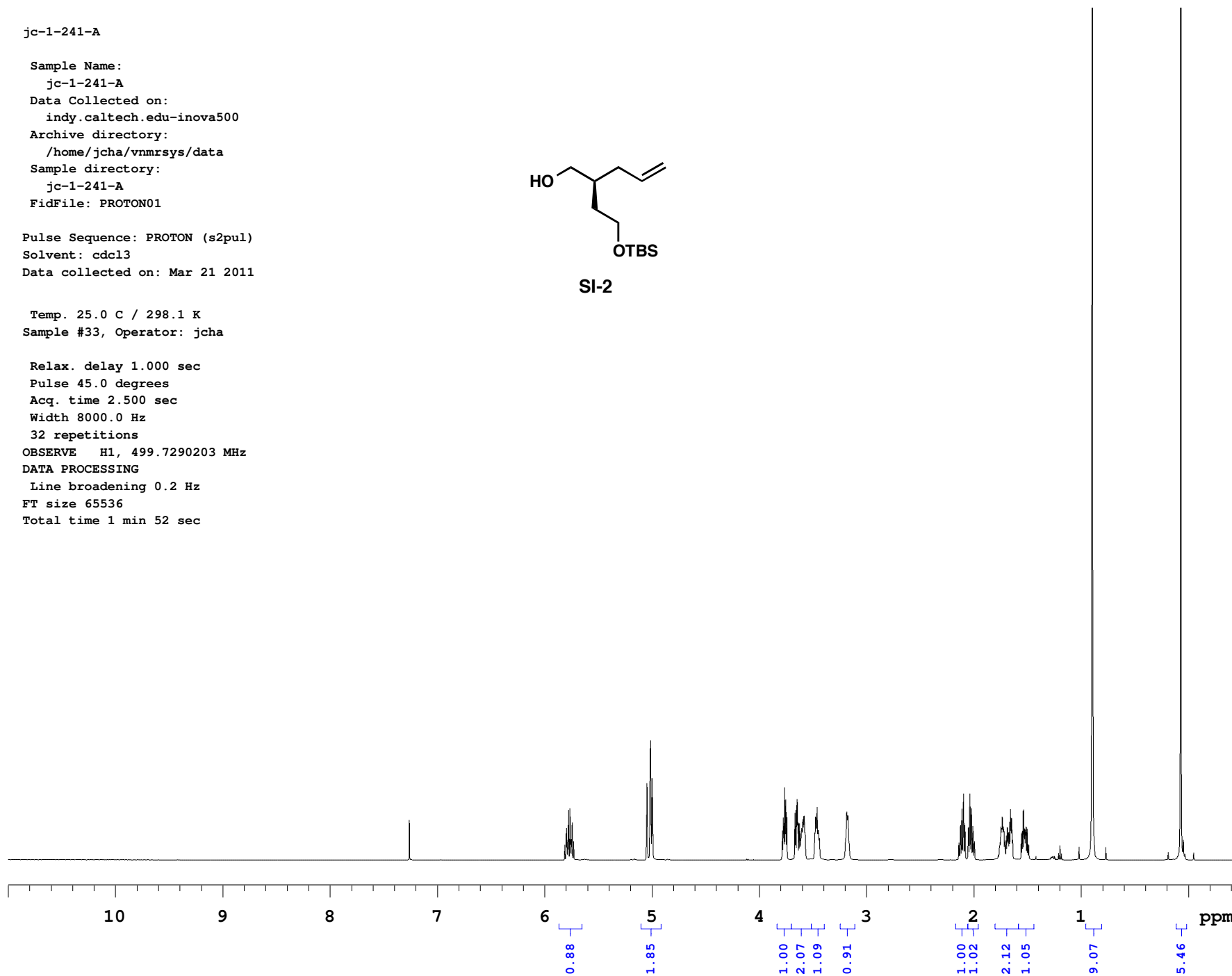
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 52 sec



jc-1-241-A-carbon

Sample Name:

jc-1-241-A-carbon

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

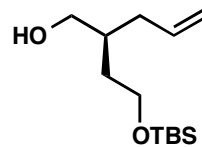
jc-1-241-A-carbon

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Mar 21 2011



SI-2

Temp. 25.0 C / 298.1 K

Sample #33, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

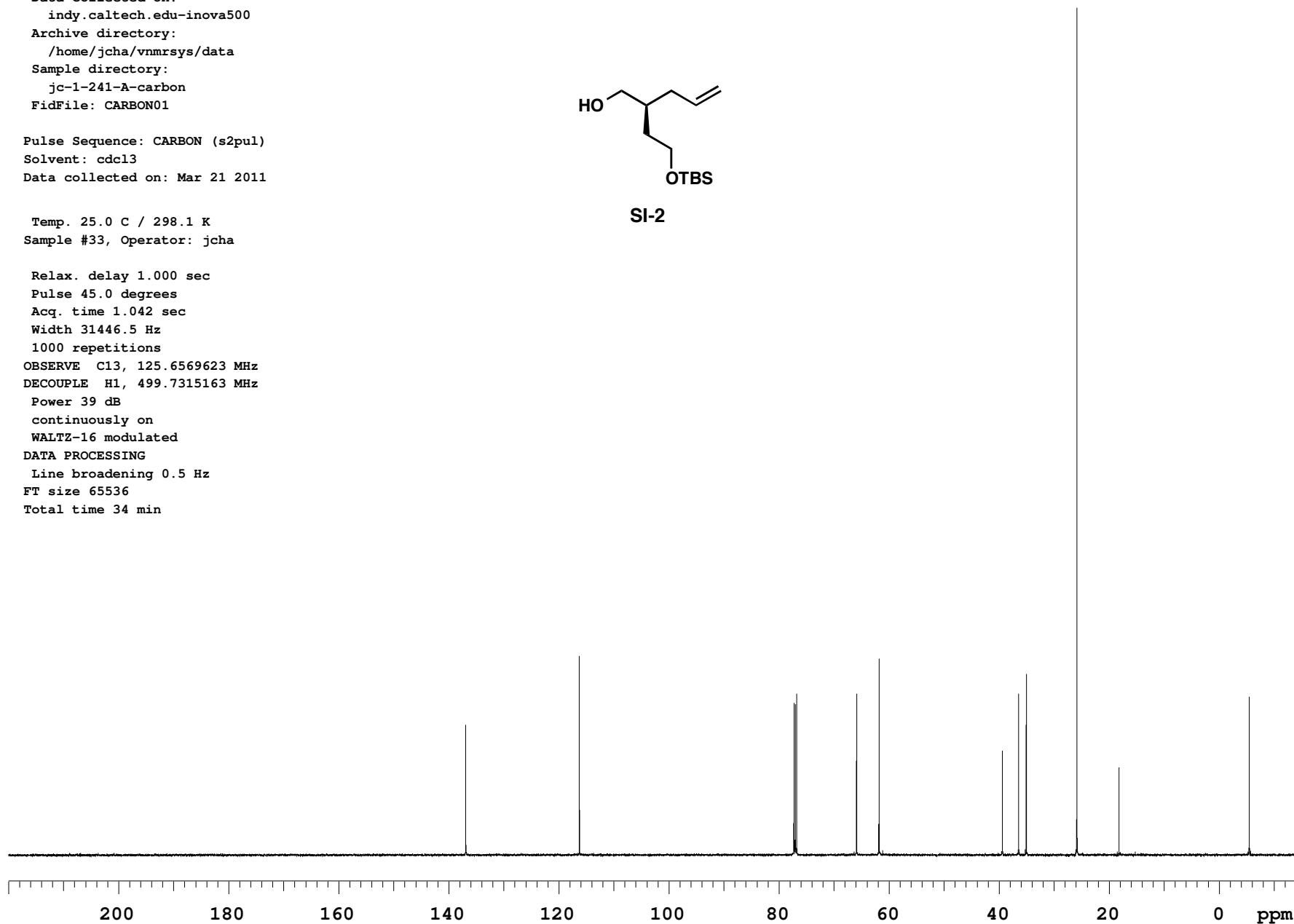
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



jc-1-251-A

Sample Name:

jc-1-251-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-251-A

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Apr 13 2011

Temp. 25.0 C / 298.1 K

Sample #40, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

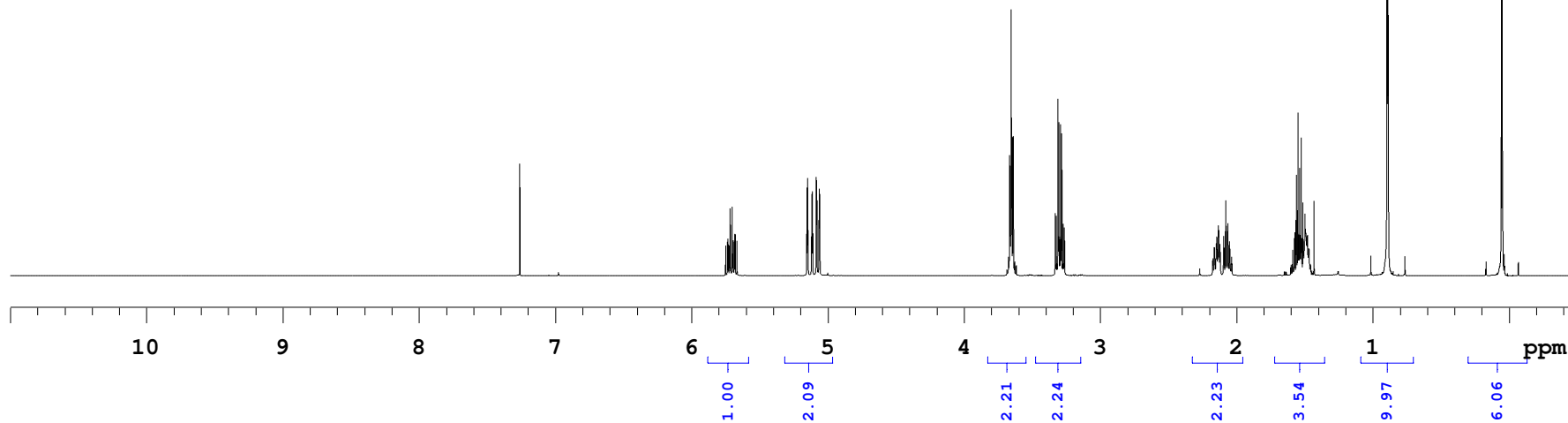
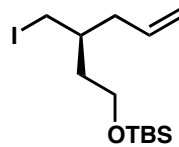
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 52 sec



jc-1-251-A

Sample Name:

jc-1-251-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-251-A

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Apr 13 2011

Temp. 25.0 C / 298.1 K

Sample #40, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

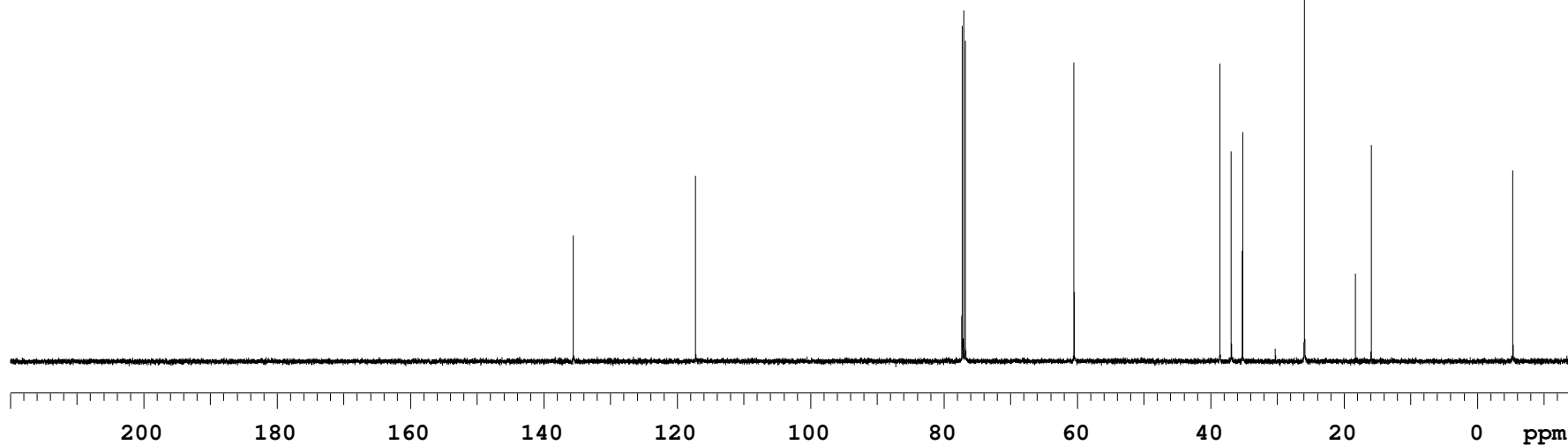
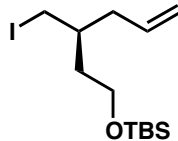
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 17 min



jc-1-253-A

Sample Name:

jc-1-253-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

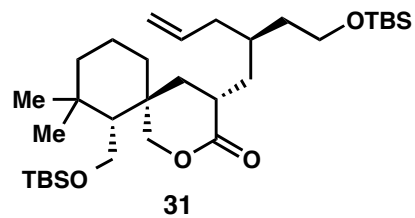
jc-1-253-A

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jul 20 2011



less polar diastereomer

Sample #1, Operator: jcha

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

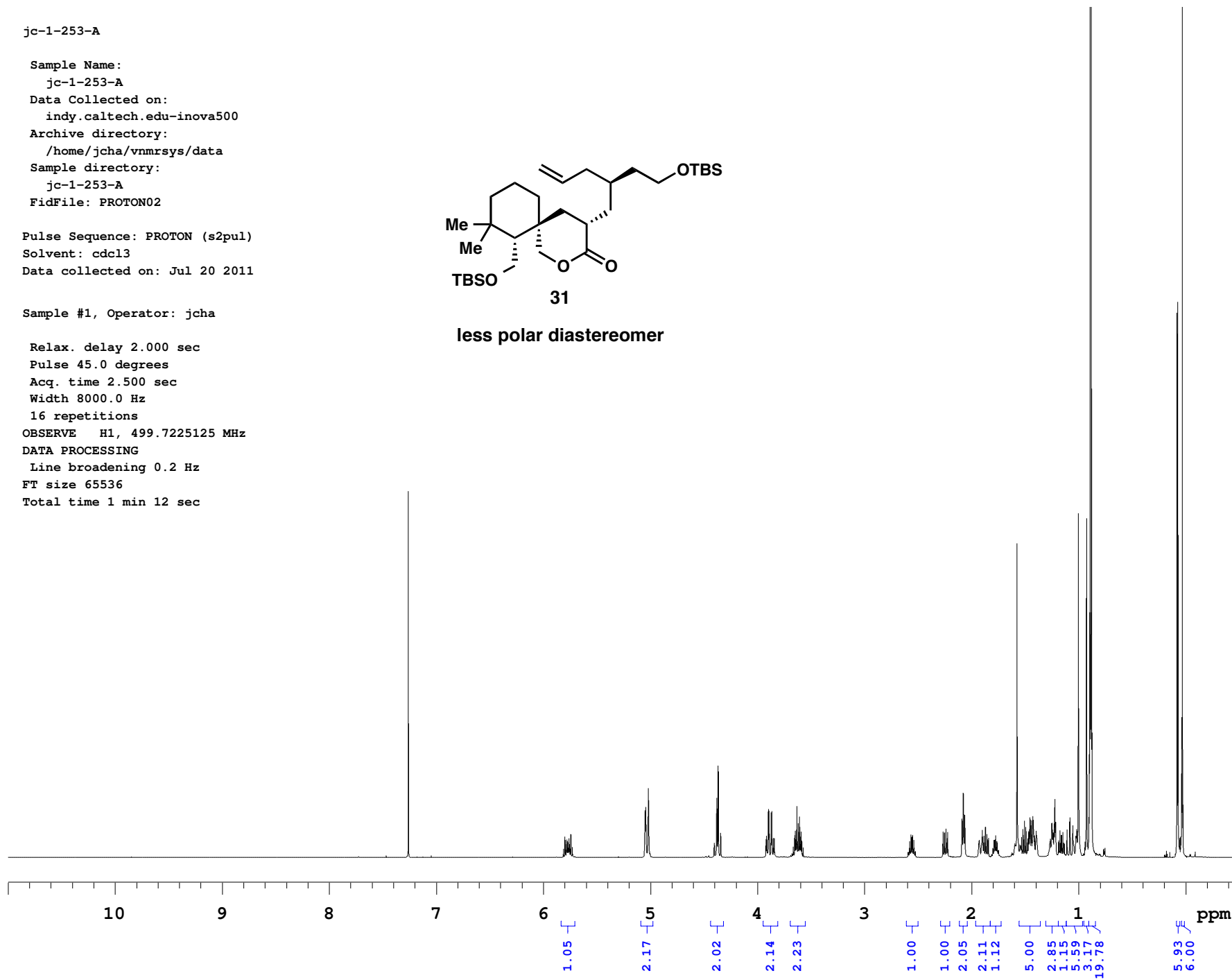
OBSERVE H1, 499.7225125 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 12 sec



jc-1-253-A

Sample Name:

jc-1-253-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-253-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 20 2011

Sample #1, Operator: jcha

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6553262 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

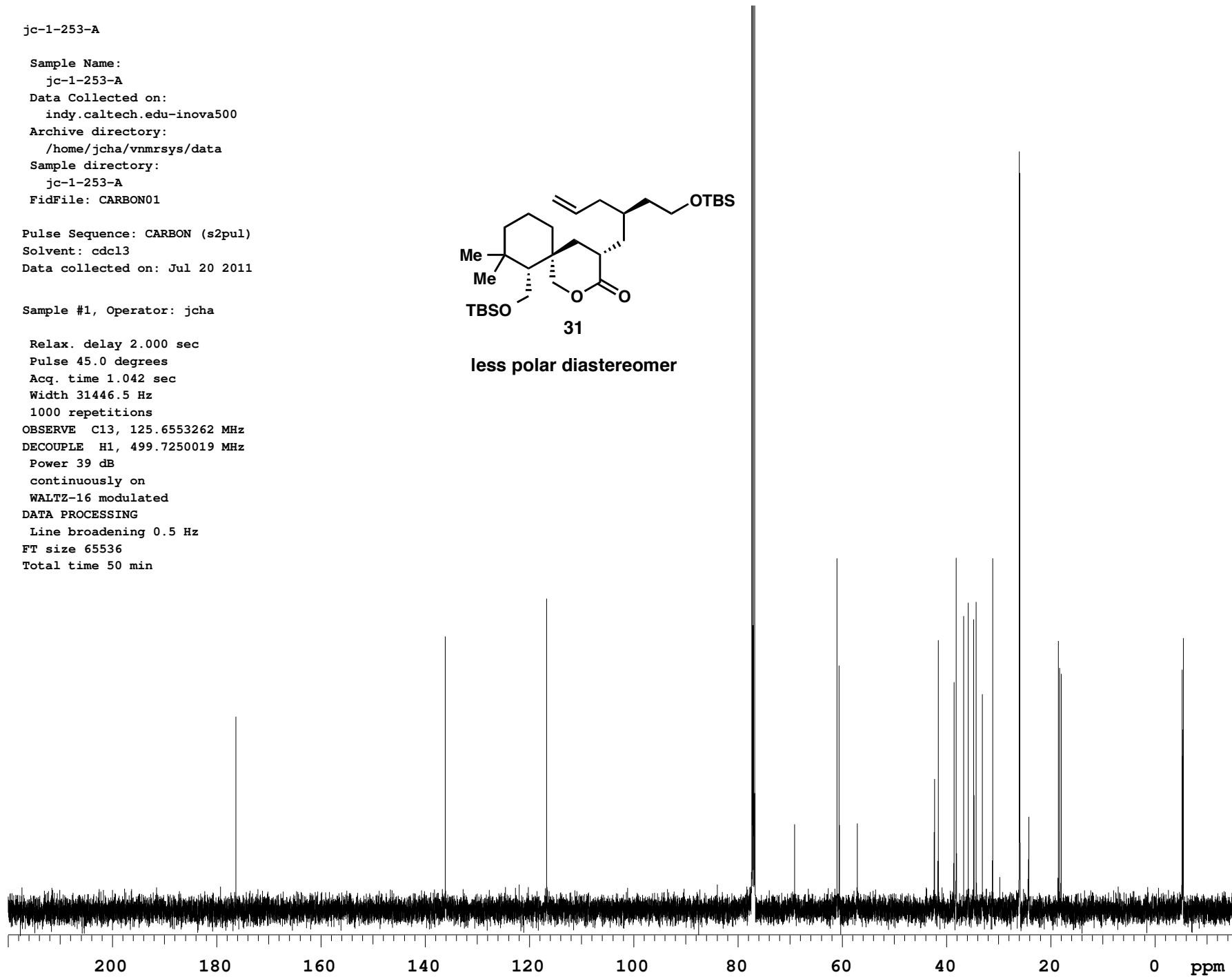
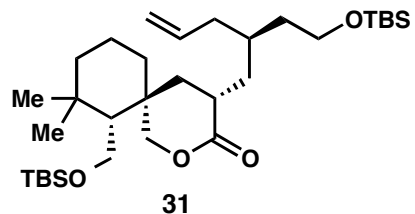
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 50 min



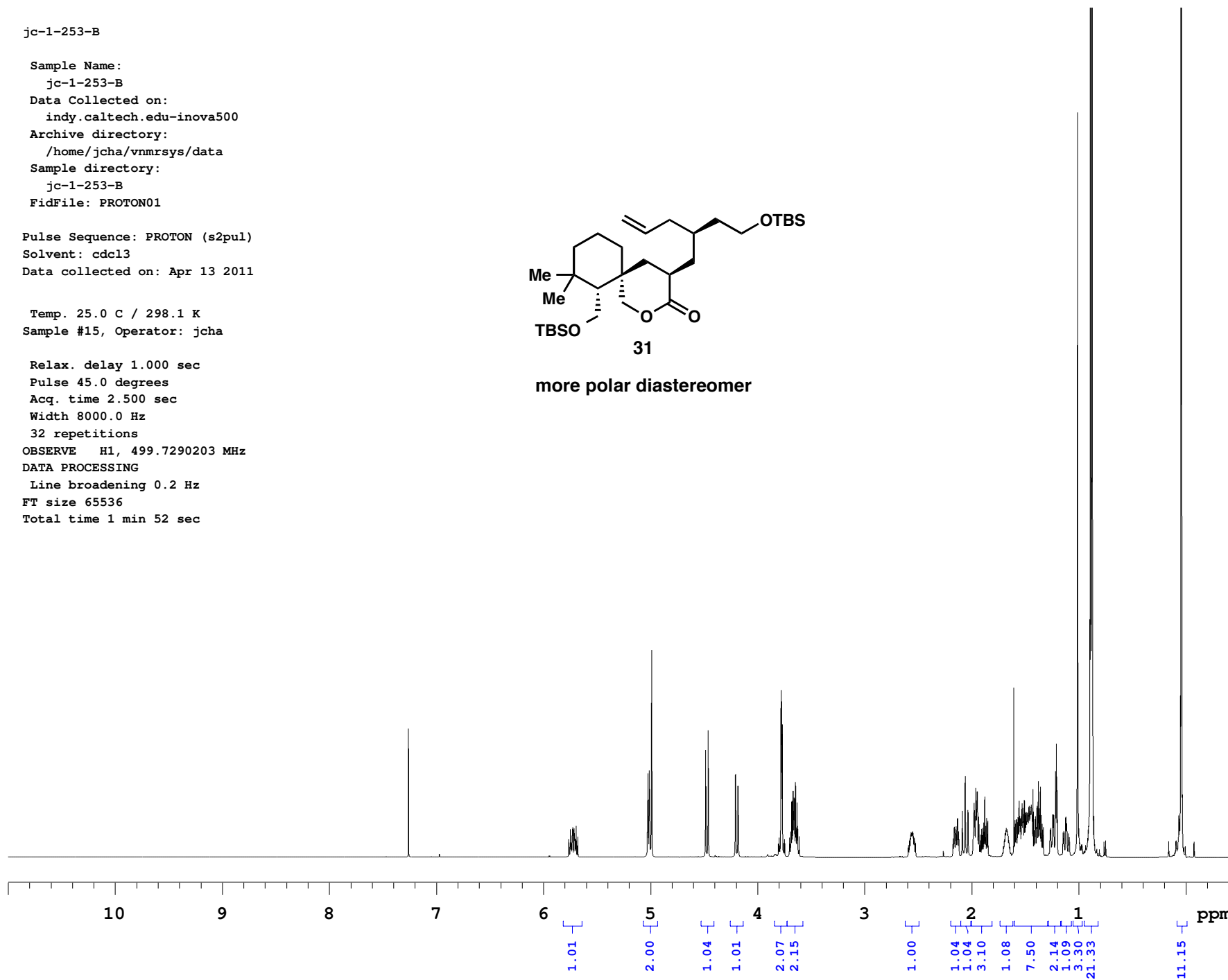
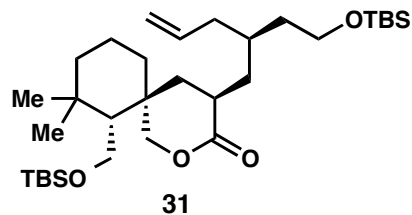
jc-1-253-B

Sample Name:
jc-1-253-B
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/jcha/vnmrsys/data
Sample directory:
jc-1-253-B
FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)
Solvent: cdc13
Data collected on: Apr 13 2011

Temp. 25.0 C / 298.1 K
Sample #15, Operator: jcha

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.7290203 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min 52 sec



jc-1-253-B

Sample Name:

jc-1-253-B

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-253-B

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Apr 13 2011

Temp. 25.0 C / 298.1 K

Sample #15, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

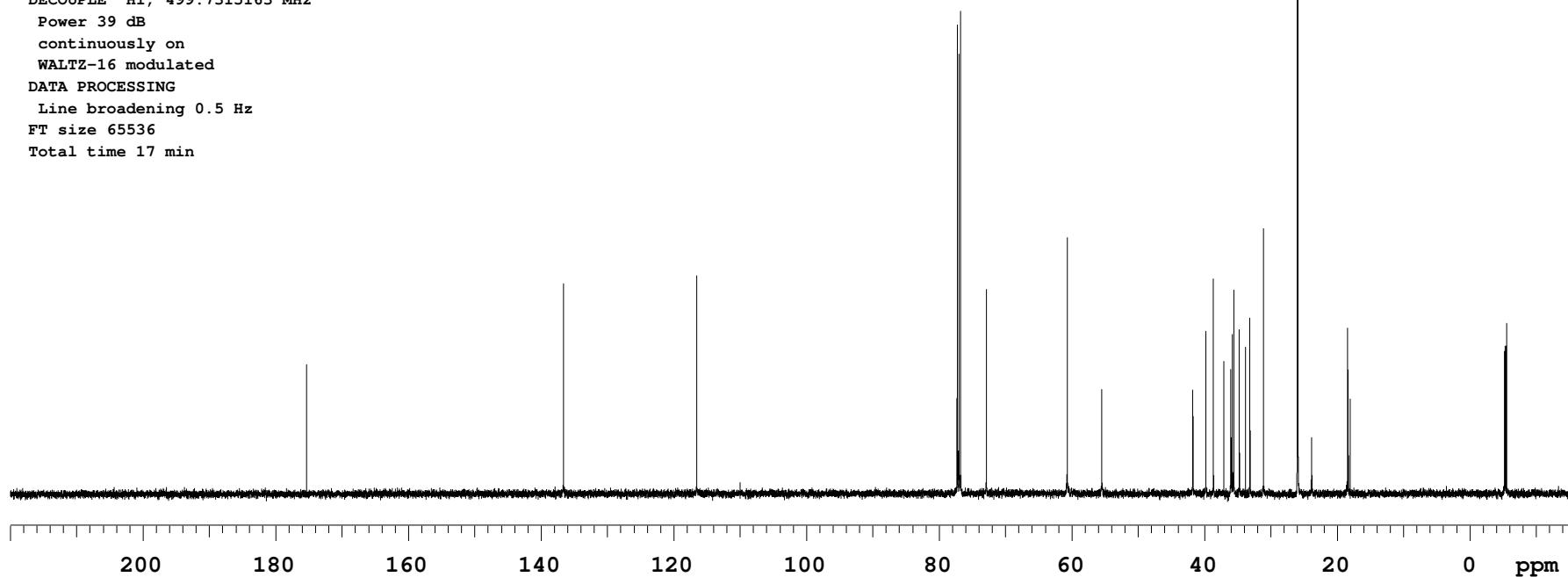
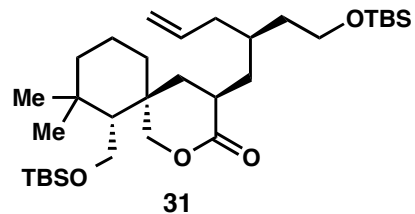
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 17 min



jc-1-254-A

Sample Name:

jc-1-254-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

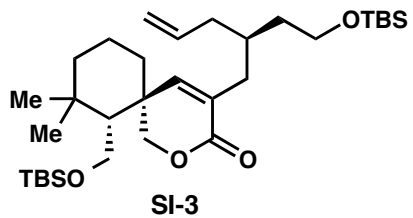
jc-1-254-A

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

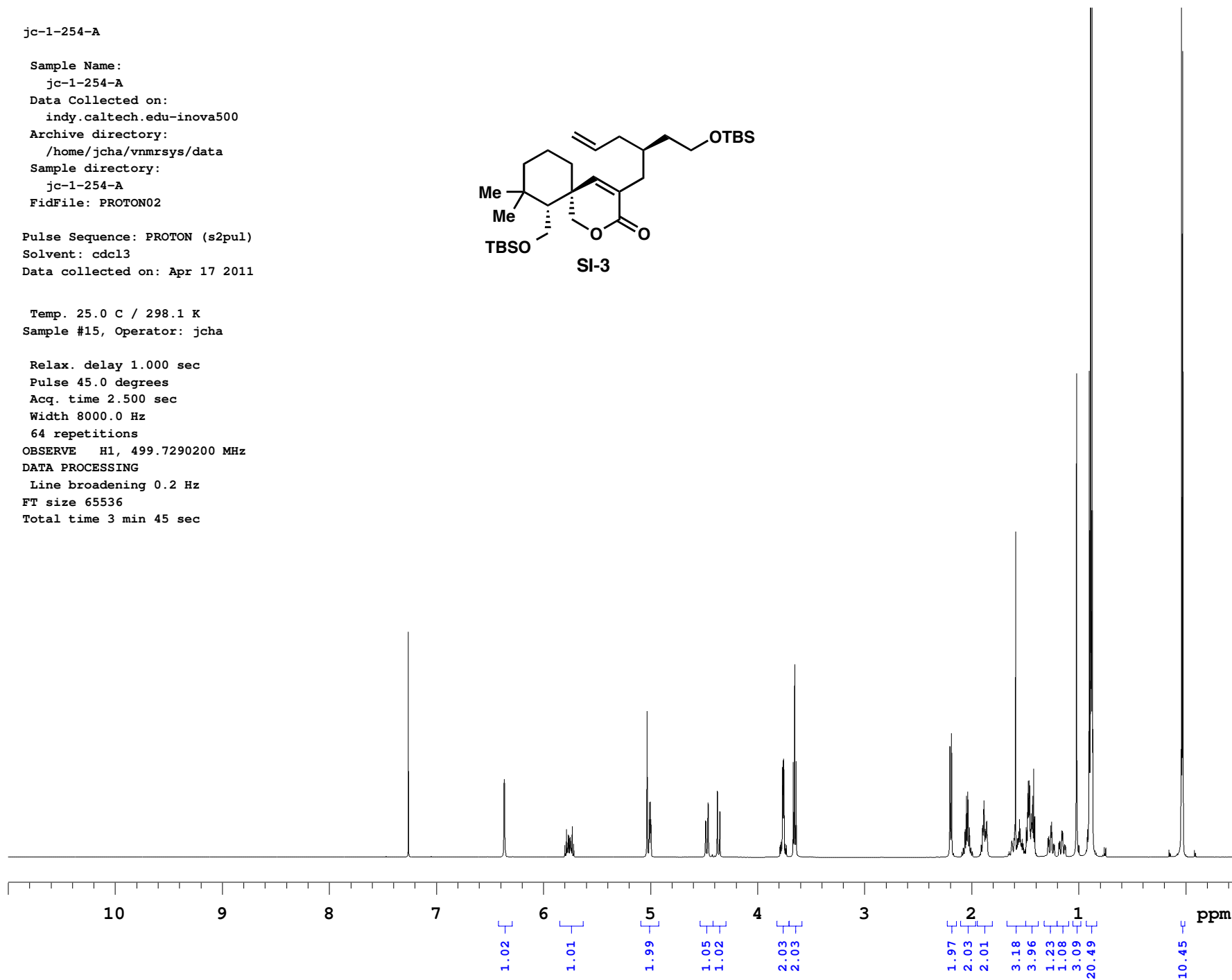
Solvent: cdc13

Data collected on: Apr 17 2011



Temp. 25.0 C / 298.1 K
Sample #15, Operator: jcha

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
64 repetitions
OBSERVE H1, 499.7290200 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 3 min 45 sec



jc-1-254-A

Sample Name:

jc-1-254-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

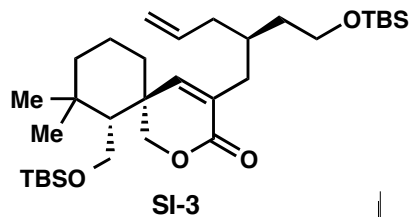
jc-1-254-A

FidFile: CARBON02

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: Apr 17 2011



Temp. 25.0 C / 298.1 K

Sample #15, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1500 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

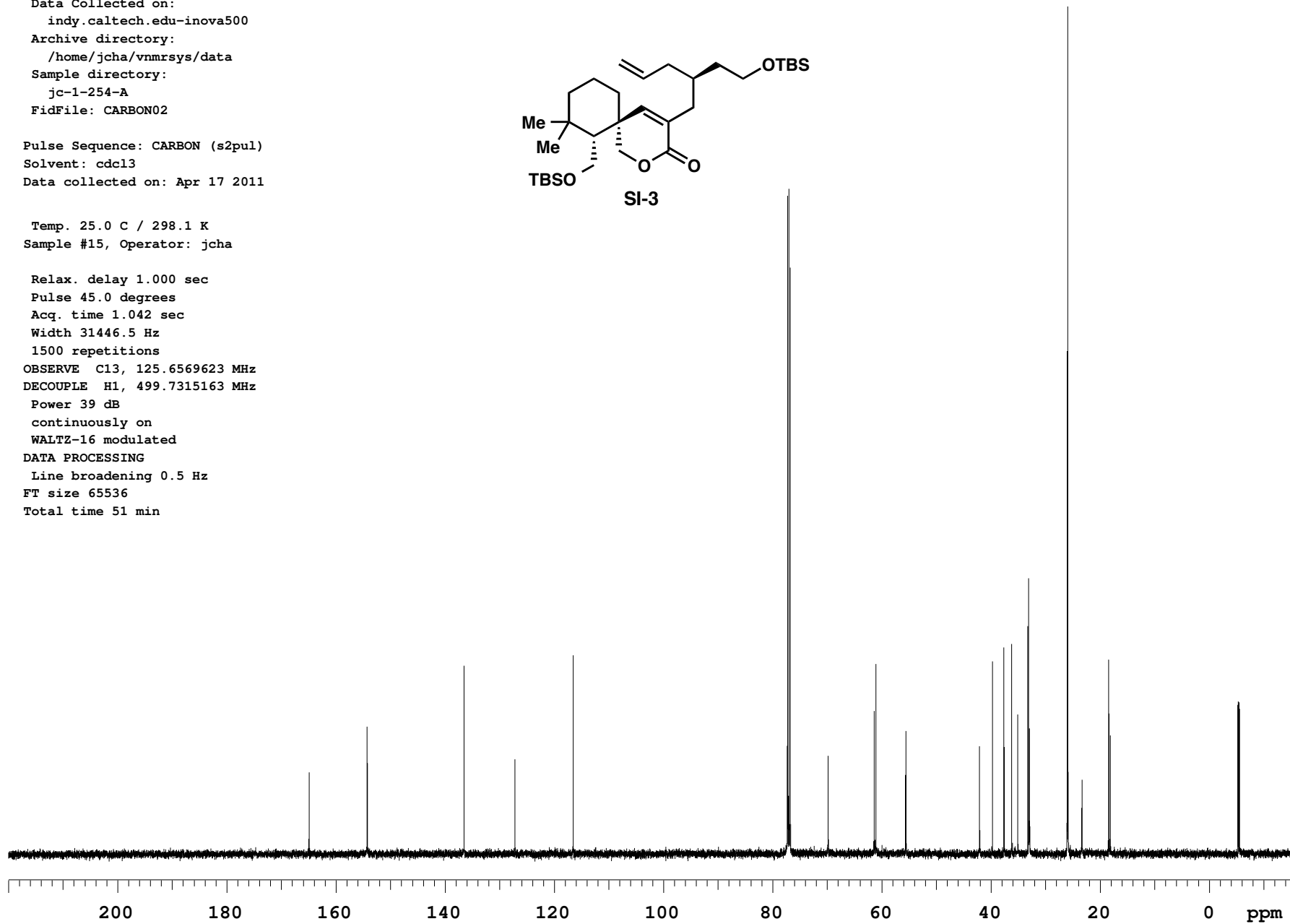
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min



jc-1-256-A

Sample Name:

jc-1-256-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

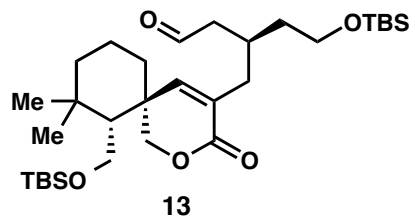
jc-1-256-A

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Apr 19 2011



Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

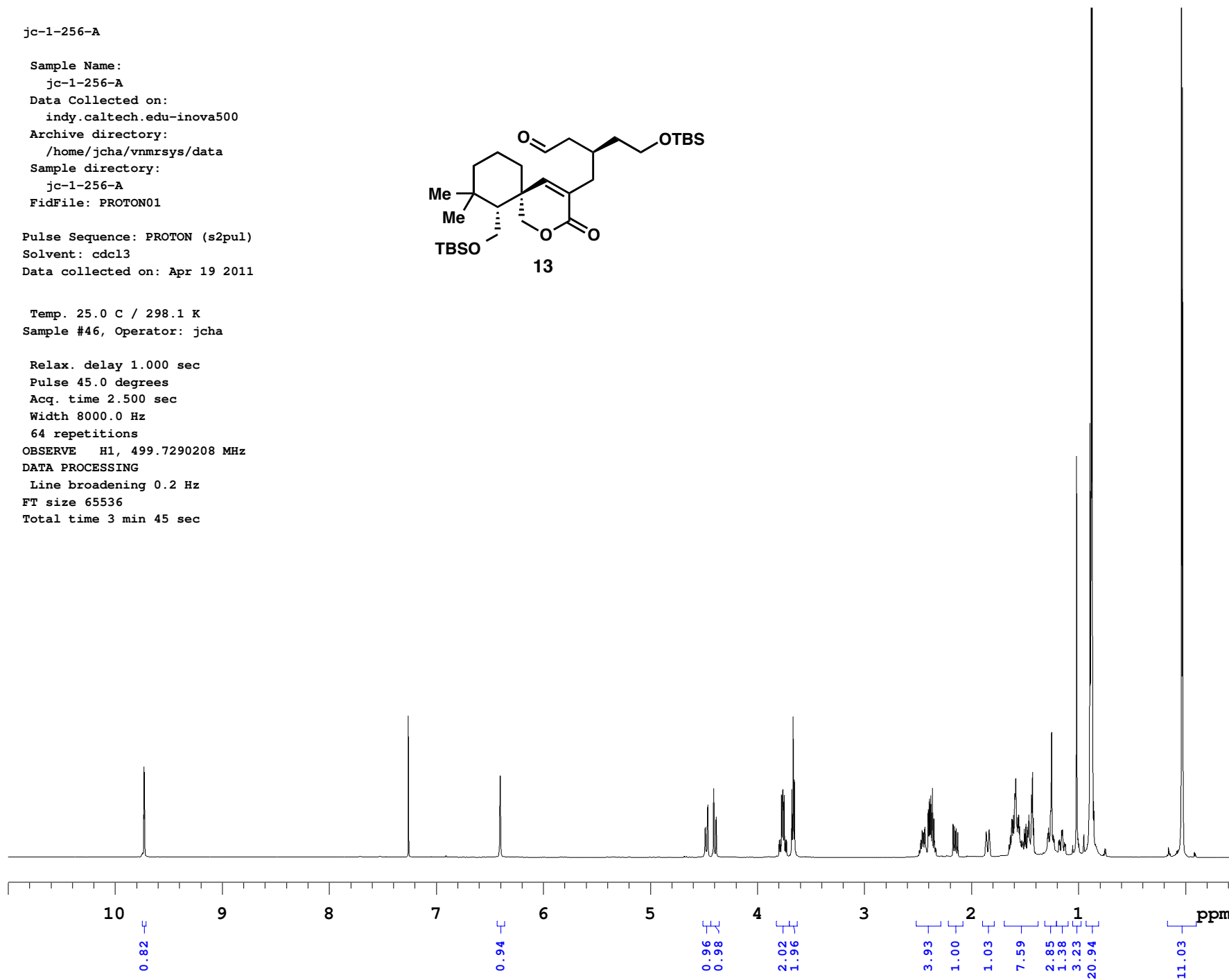
OBSERVE H1, 499.7290208 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 3 min 45 sec



jc-1-256-A

Sample Name:

jc-1-256-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

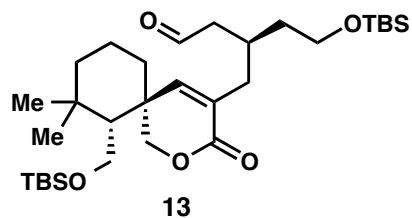
jc-1-256-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Apr 19 2011



Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1500 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

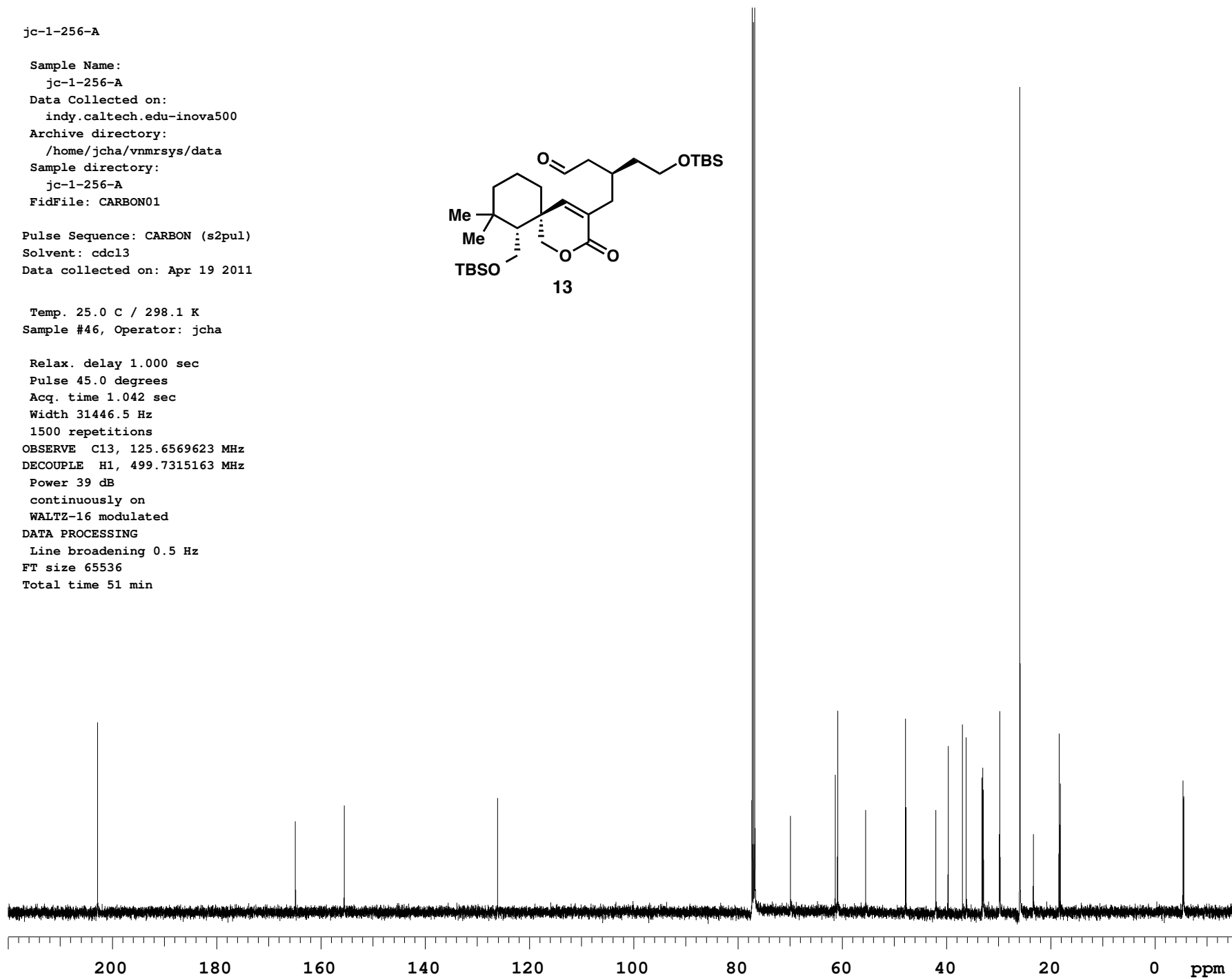
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 51 min



jc-1-257-A

Sample Name:

jc-1-257-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

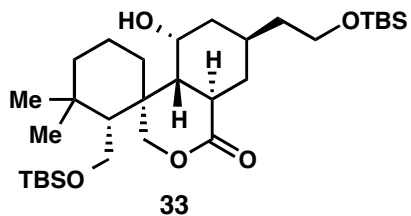
jc-1-257-A

FidFile: PROTON04

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jul 10 2011



Sample #2, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

16 repetitions

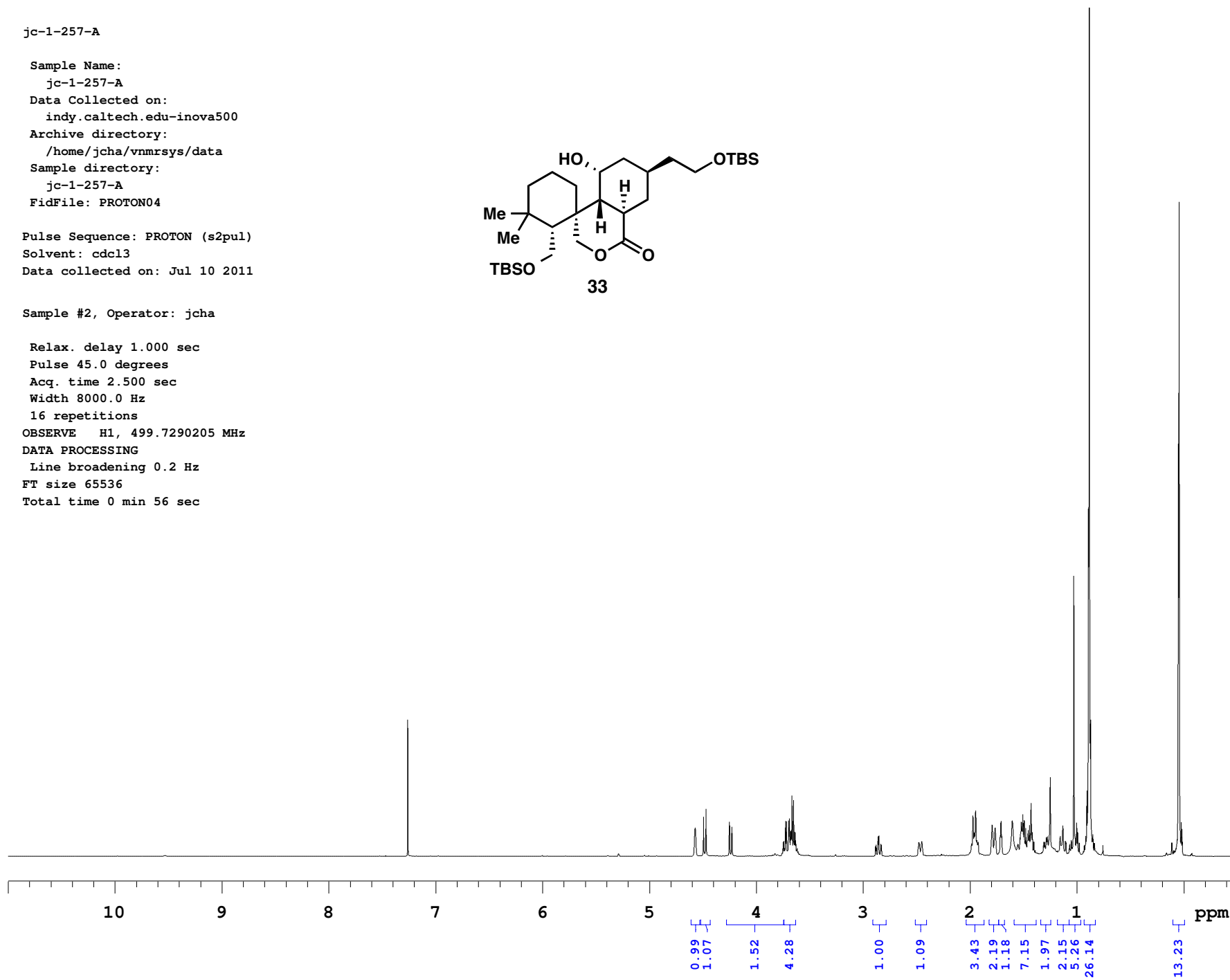
OBSERVE H1, 499.7290205 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 0 min 56 sec



jc-1-257-A

Sample Name:

jc-1-257-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

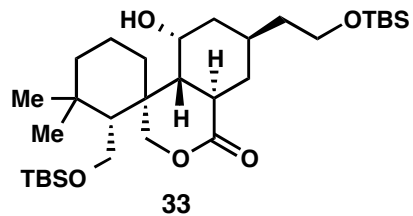
jc-1-257-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 10 2011



Sample #2, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1250 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

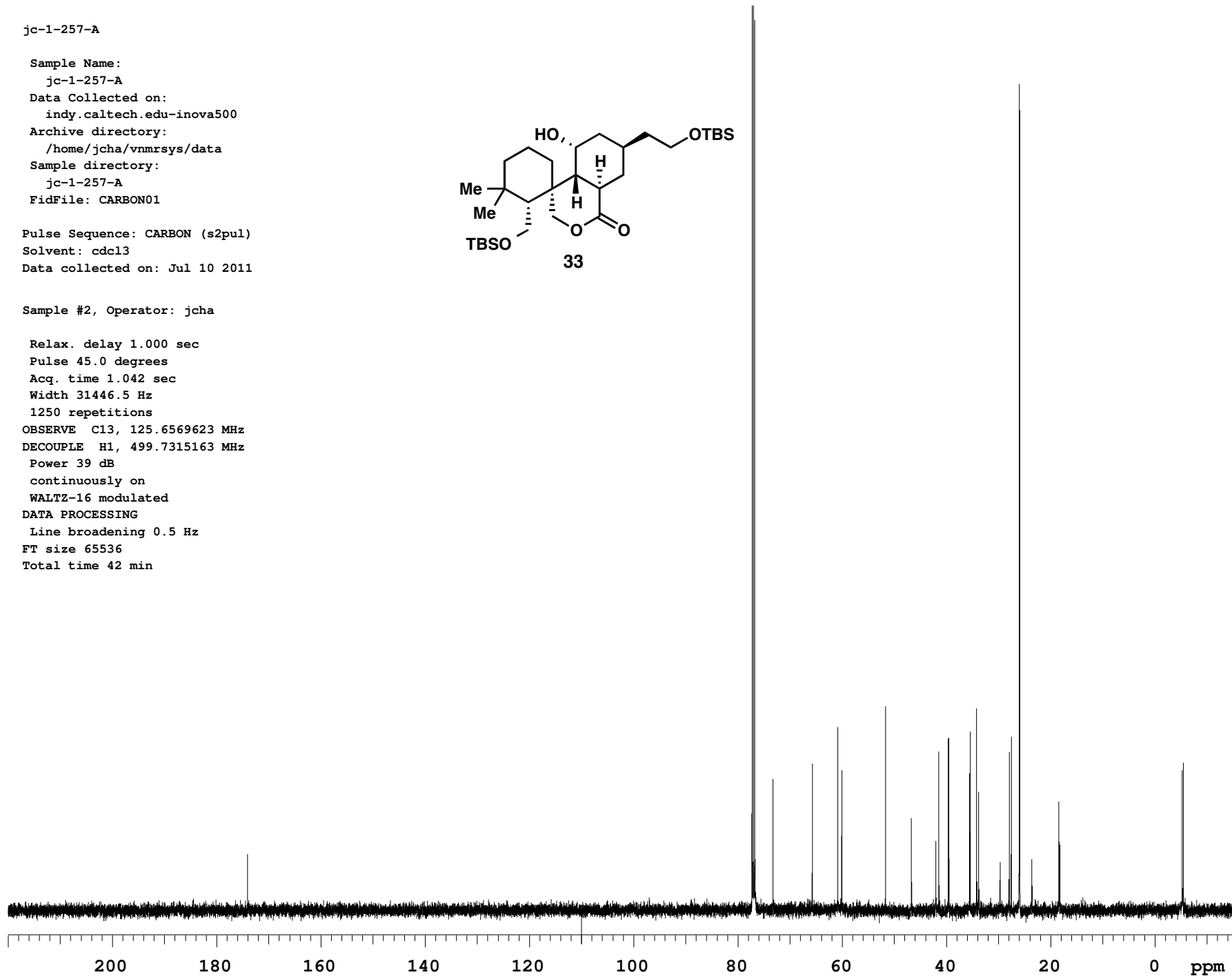
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 42 min



jc-1-258-A

Sample Name:

jc-1-258-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

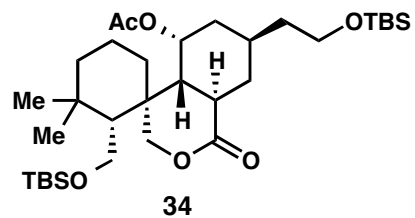
jc-1-258-A

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: May 3 2011



Temp. 25.0 C / 298.1 K

Sample #7, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

128 repetitions

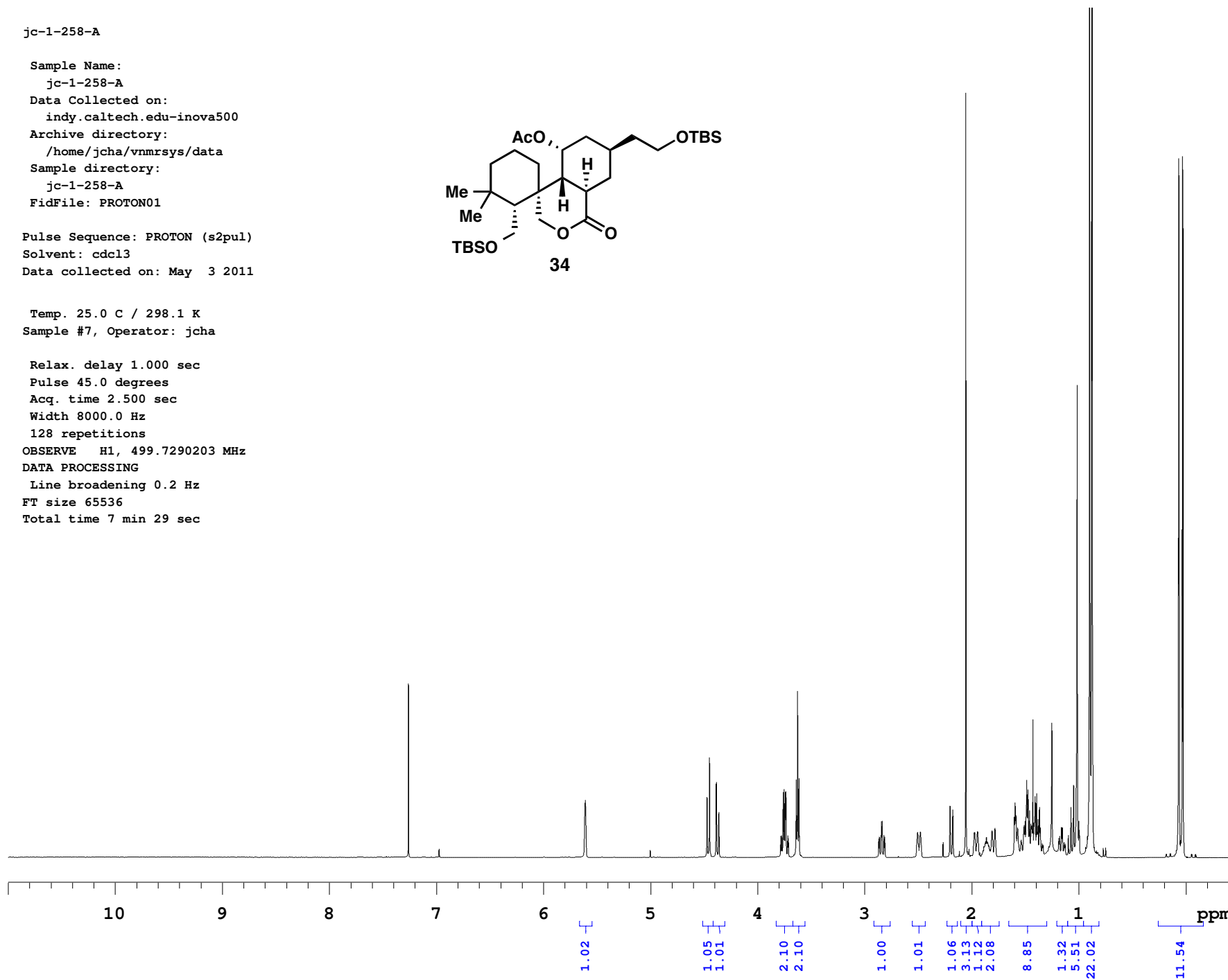
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 7 min 29 sec



jc-1-258-A

Sample Name:

jc-1-258-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

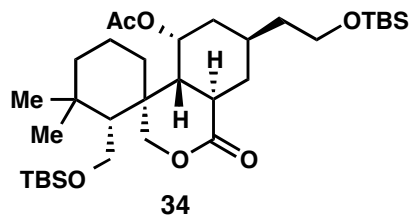
jc-1-258-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: May 3 2011



Temp. 25.0 C / 298.1 K

Sample #7, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

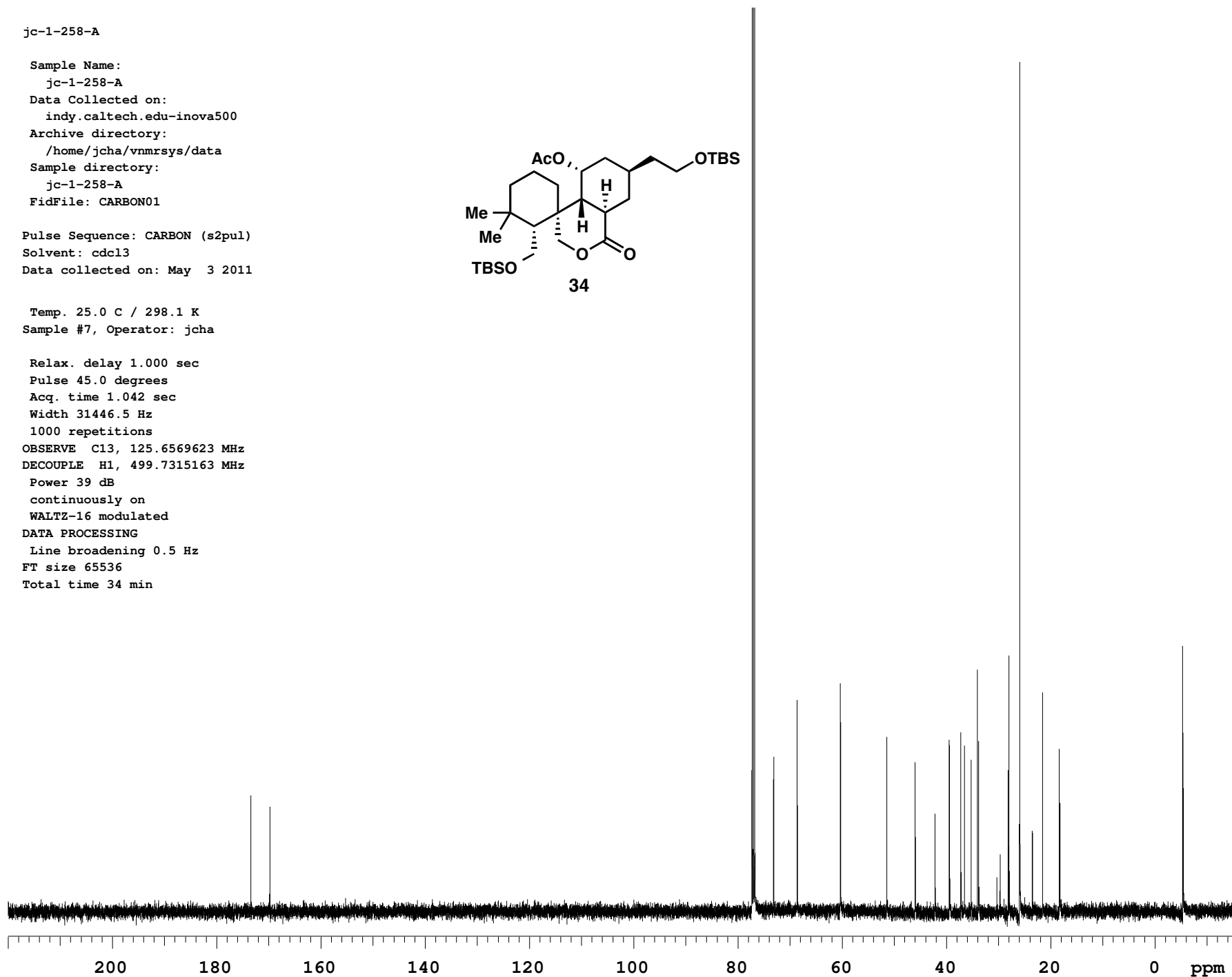
WALTZ-16 modulated

DATA PROCESSING

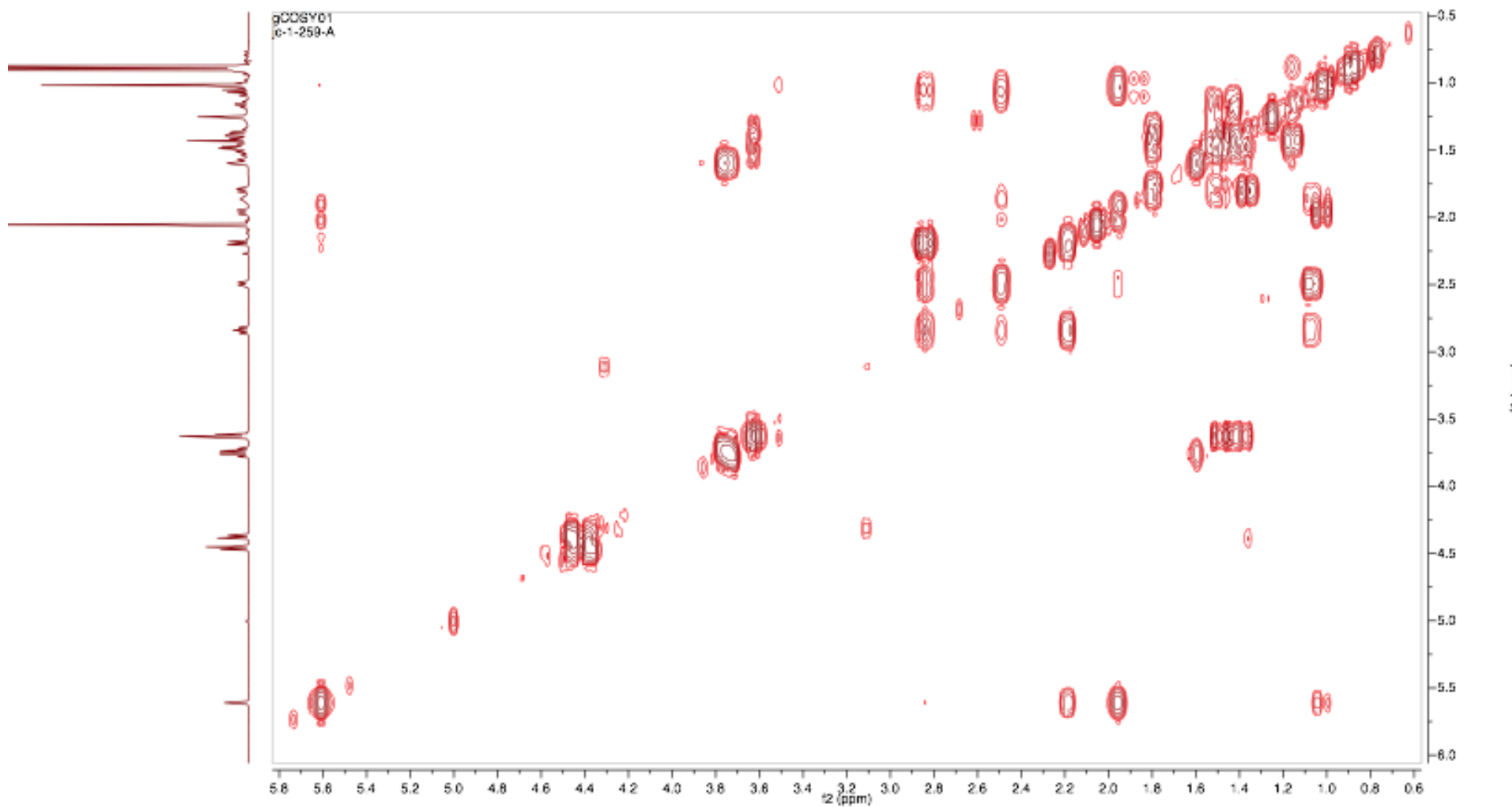
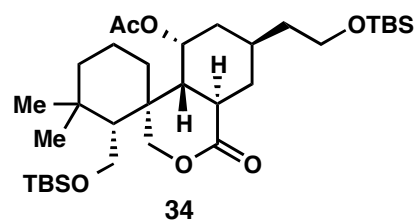
Line broadening 0.5 Hz

FT size 65536

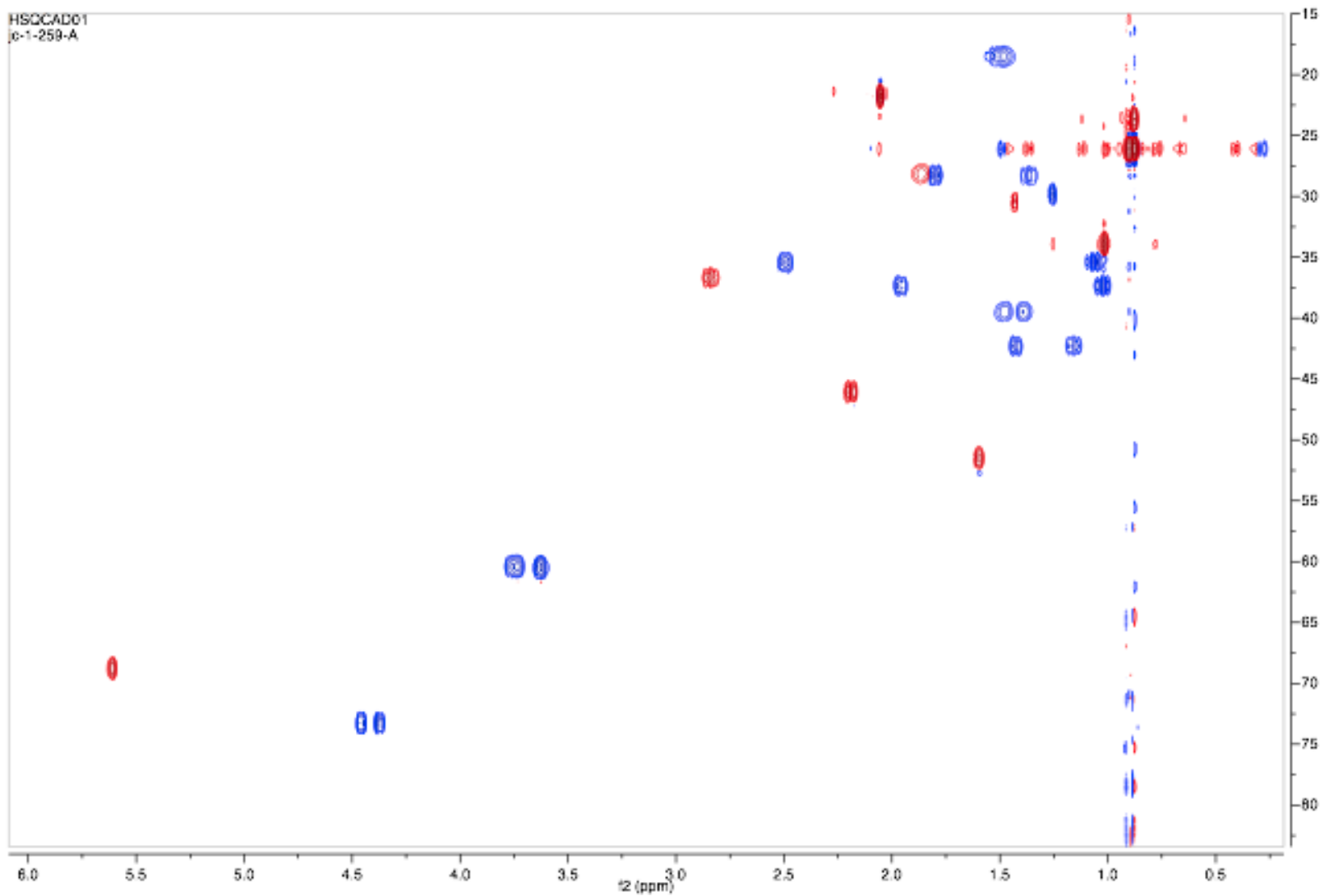
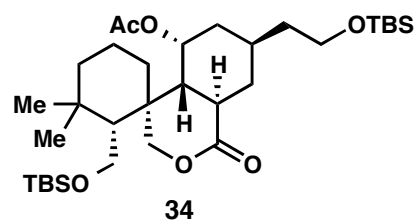
Total time 34 min

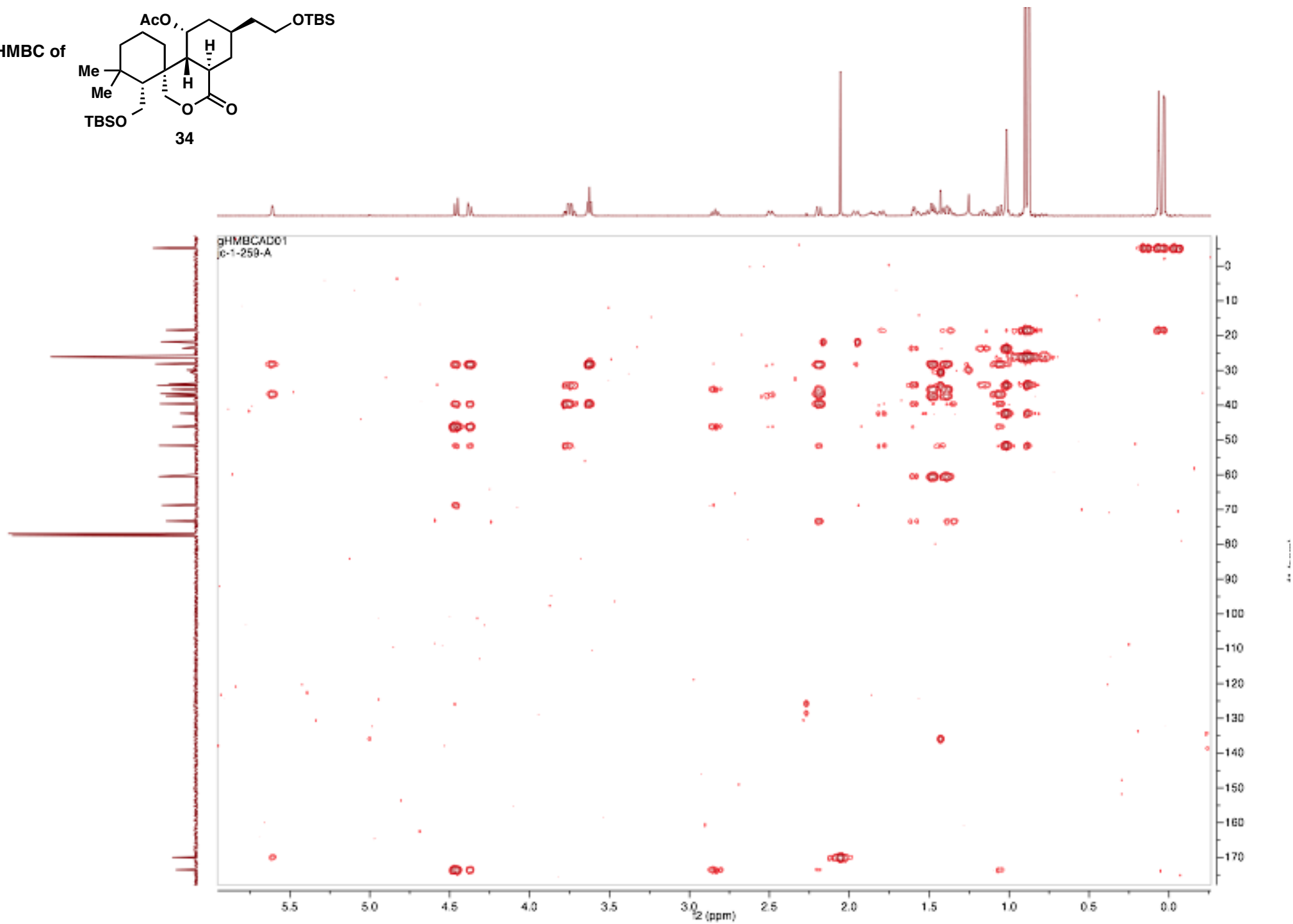
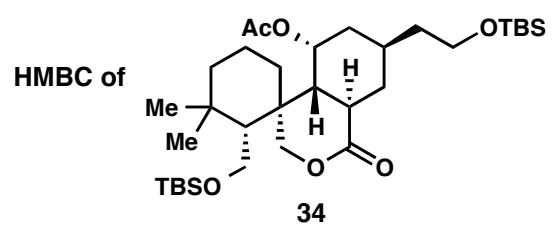


COSY of

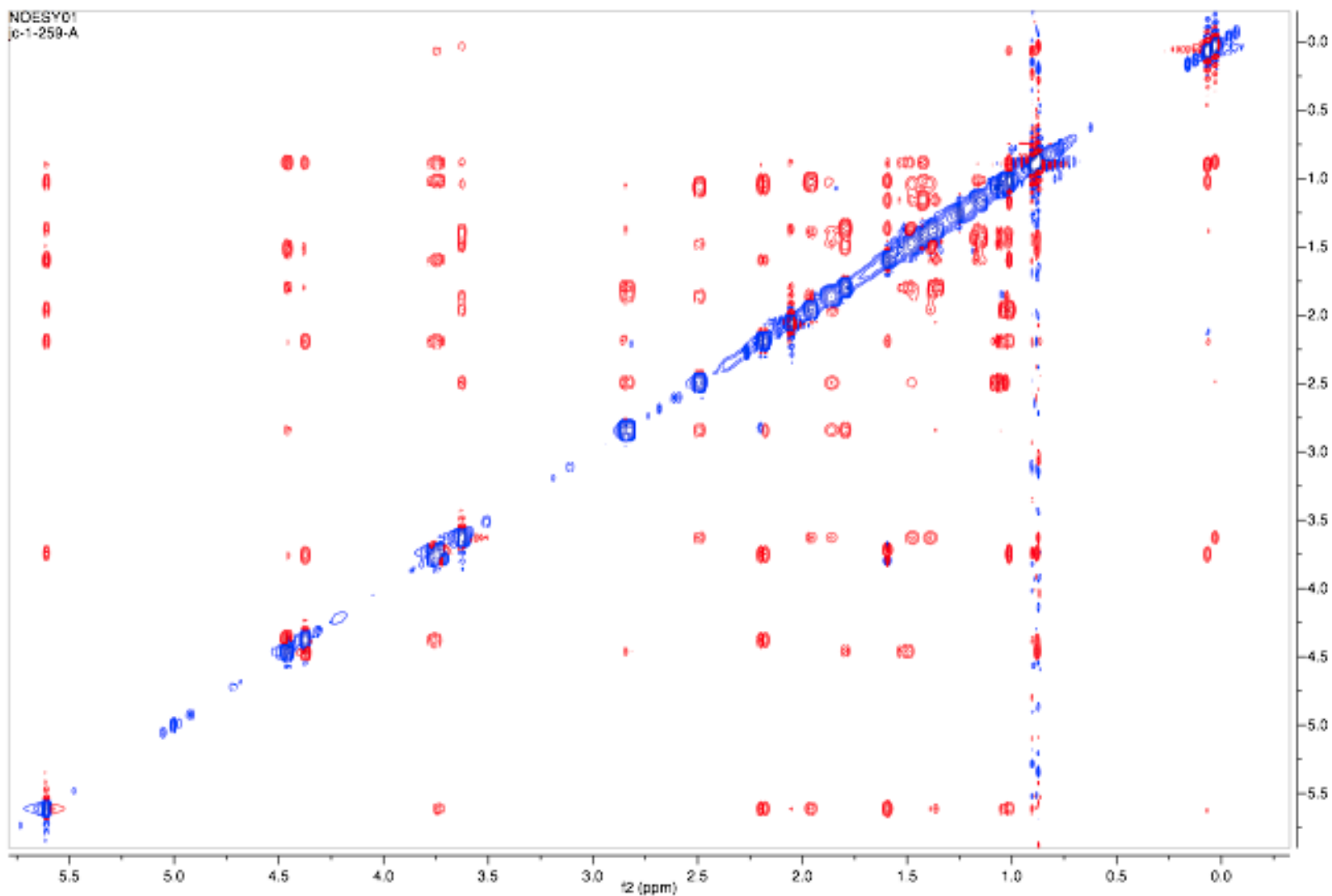
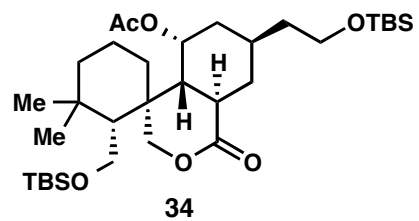


HSQC of





NOESY of



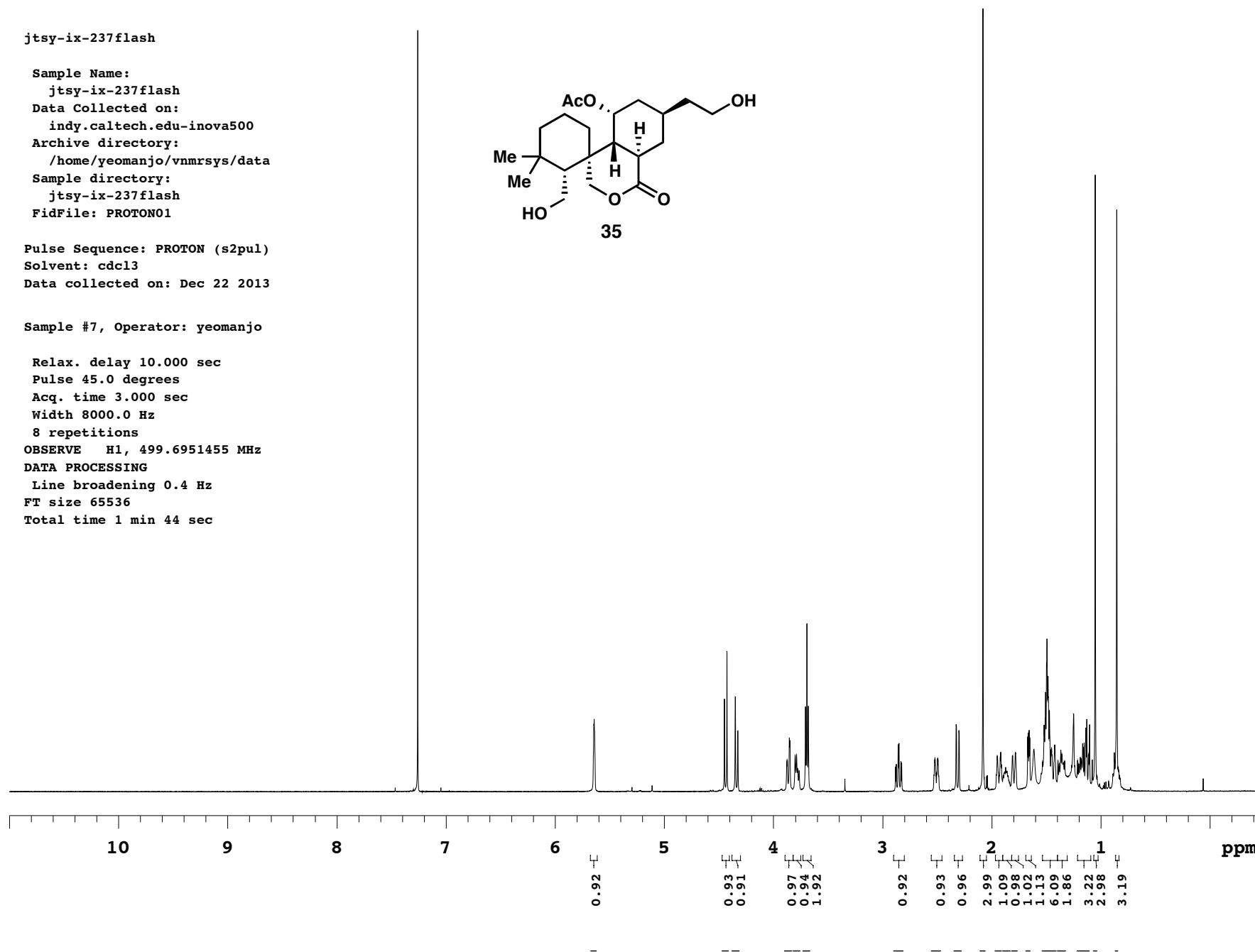
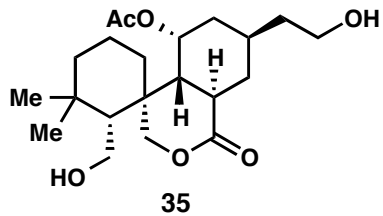
jtsy-ix-237flash

Sample Name:
jtsy-ix-237flash
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-237flash
FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Dec 22 2013

Sample #7, Operator: yeomanjo

Relax. delay 10.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.6951455 MHz
DATA PROCESSING
Line broadening 0.4 Hz
FT size 65536
Total time 1 min 44 sec



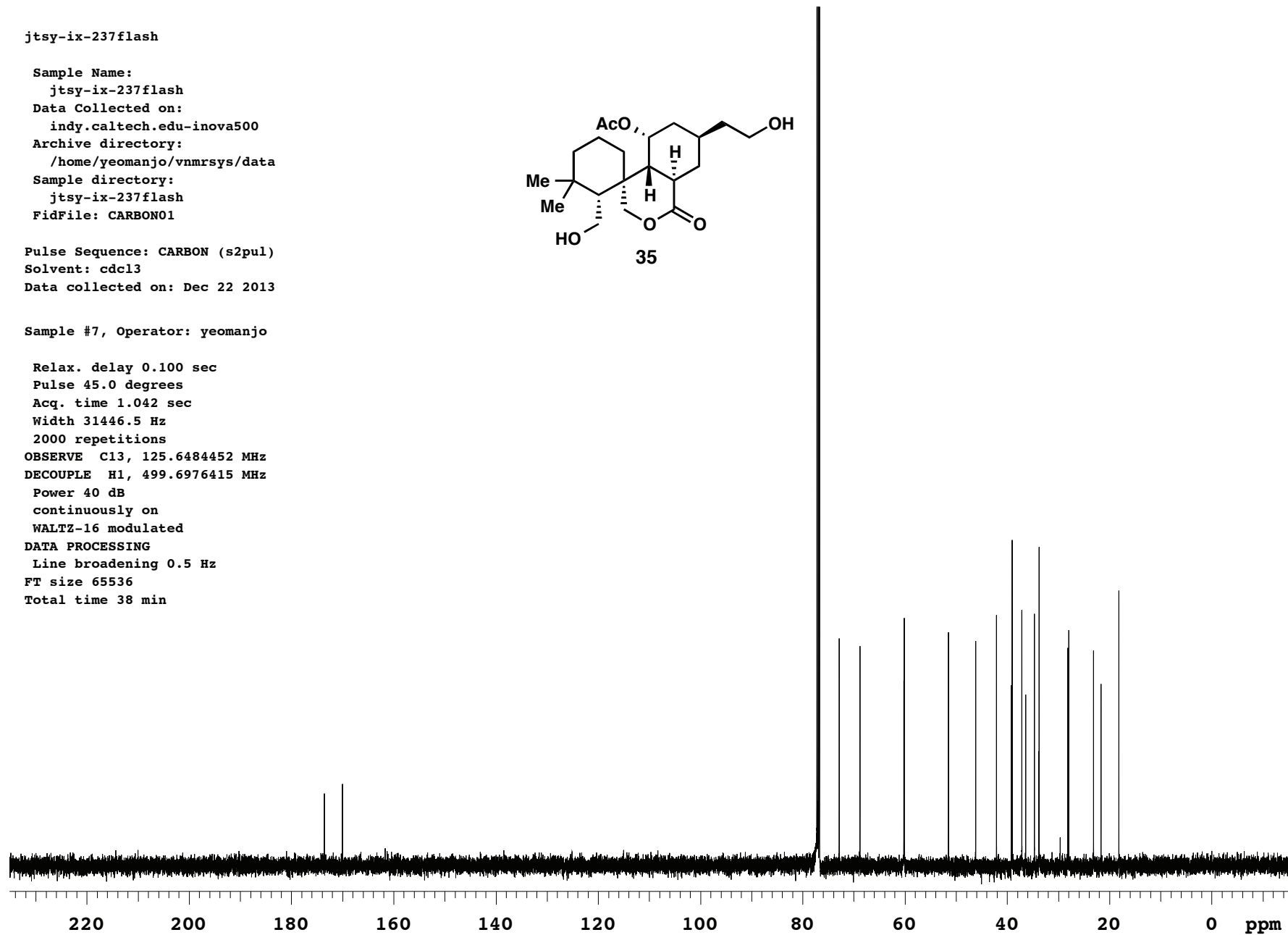
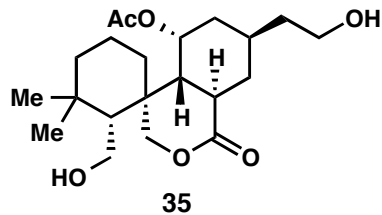
jtsy-ix-237flash

Sample Name:
jtsy-ix-237flash
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-237flash
FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Dec 22 2013

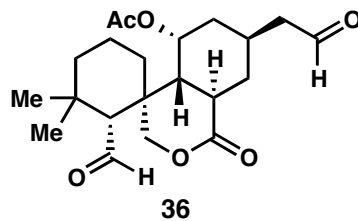
Sample #7, Operator: yeomanjo

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
2000 repetitions
OBSERVE C13, 125.6484452 MHz
DECOUPLE H1, 499.6976415 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 38 min



jtsy-ix-243f10-20

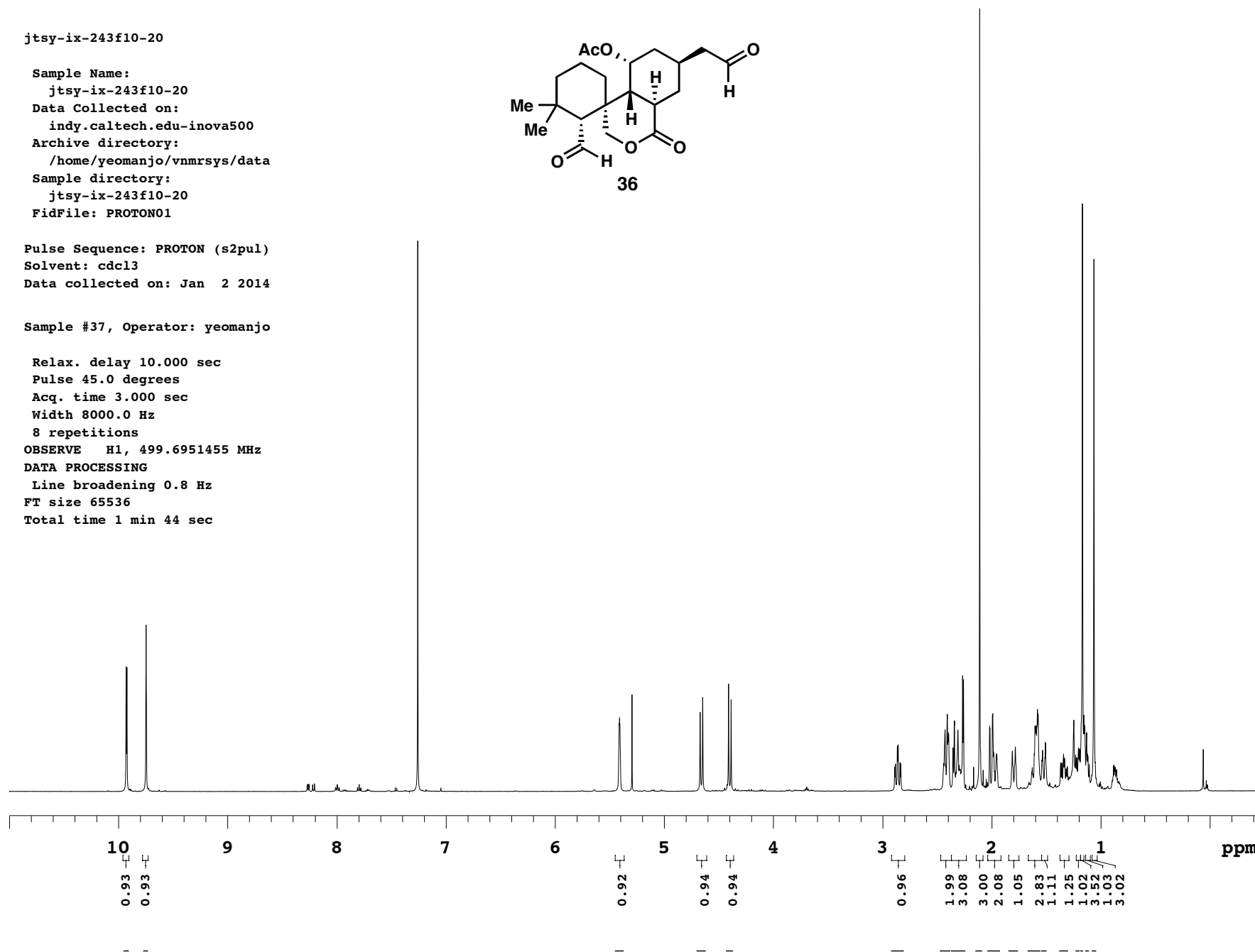
Sample Name:
jtsy-ix-243f10-20
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-243f10-20
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 2 2014

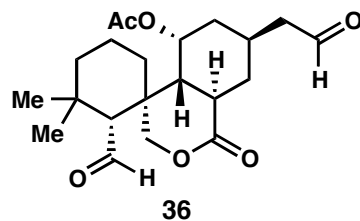
Sample #37, Operator: yeomanjo

Relax. delay 10.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.6951455 MHz
DATA PROCESSING
Line broadening 0.8 Hz
FT size 65536
Total time 1 min 44 sec



jtsy-ix-243f10-20

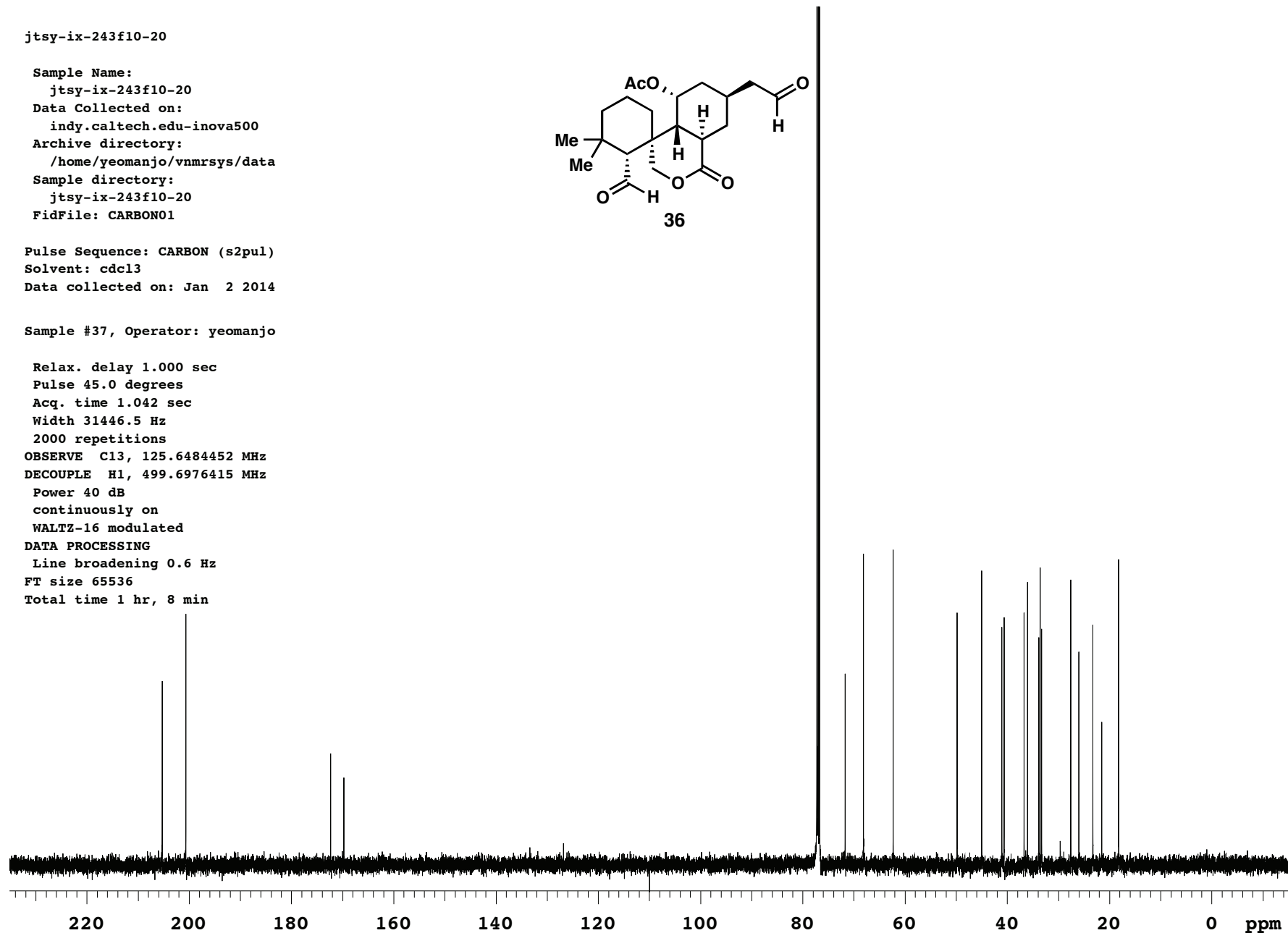
Sample Name:
jtsy-ix-243f10-20
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-243f10-20
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 2 2014

Sample #37, Operator: yeomanjo

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
2000 repetitions
OBSERVE C13, 125.6484452 MHz
DECOUPLE H1, 499.6976415 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.6 Hz
FT size 65536
Total time 1 hr, 8 min



Sample Name:
jtsy-ix-251
Data Collected on:
fid.caltech.edu-inova600
Archive directory:

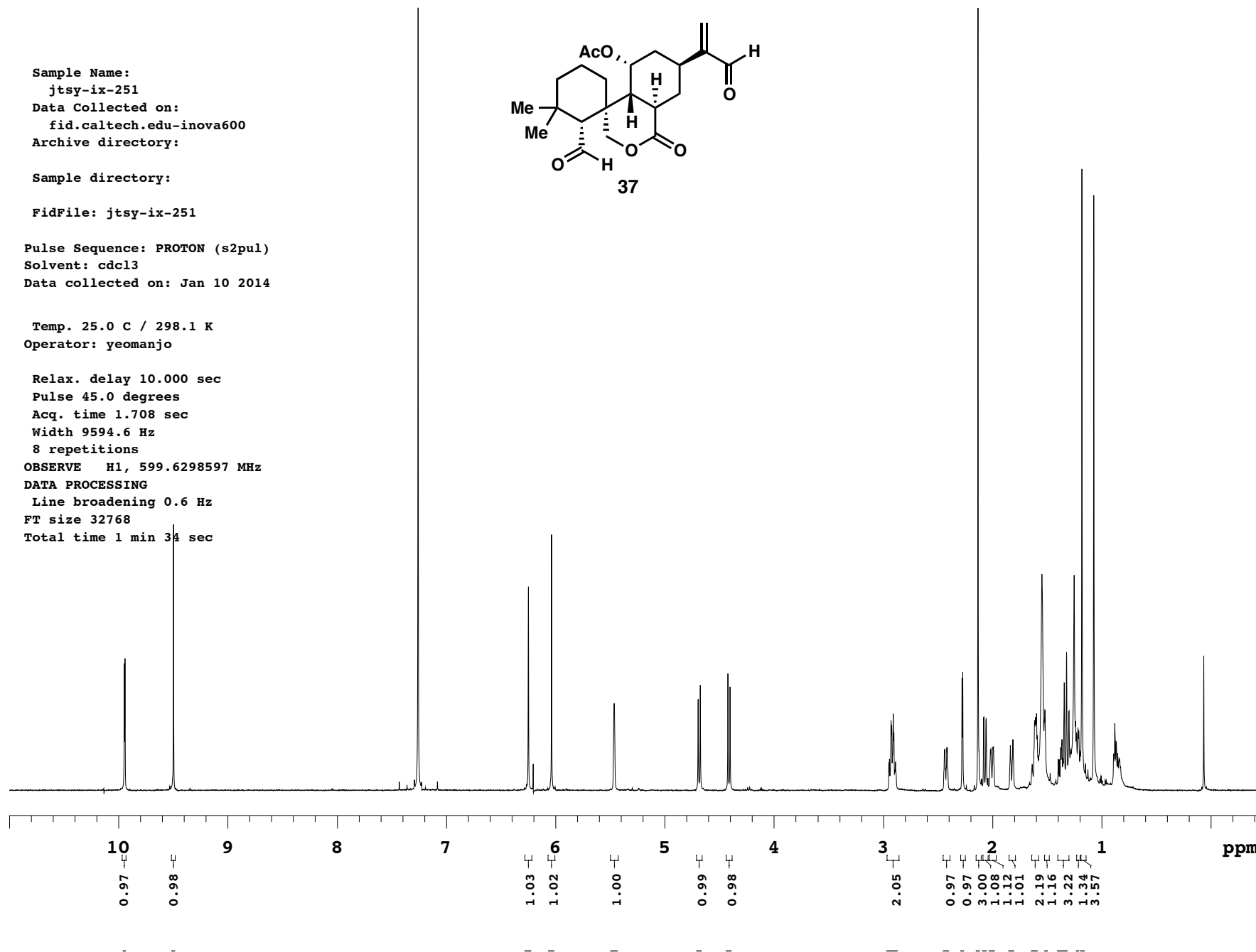
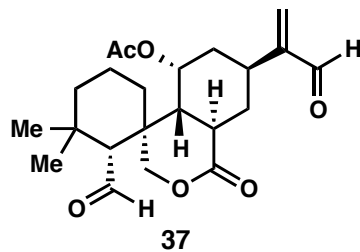
Sample directory:

FidFile: jtsy-ix-251

Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 10 2014

Temp. 25.0 C / 298.1 K
Operator: yeomanjo

Relax. delay 10.000 sec
Pulse 45.0 degrees
Acq. time 1.708 sec
Width 9594.6 Hz
8 repetitions
OBSERVE H1, 599.6298597 MHz
DATA PROCESSING
Line broadening 0.6 Hz
FT size 32768
Total time 1 min 34 sec



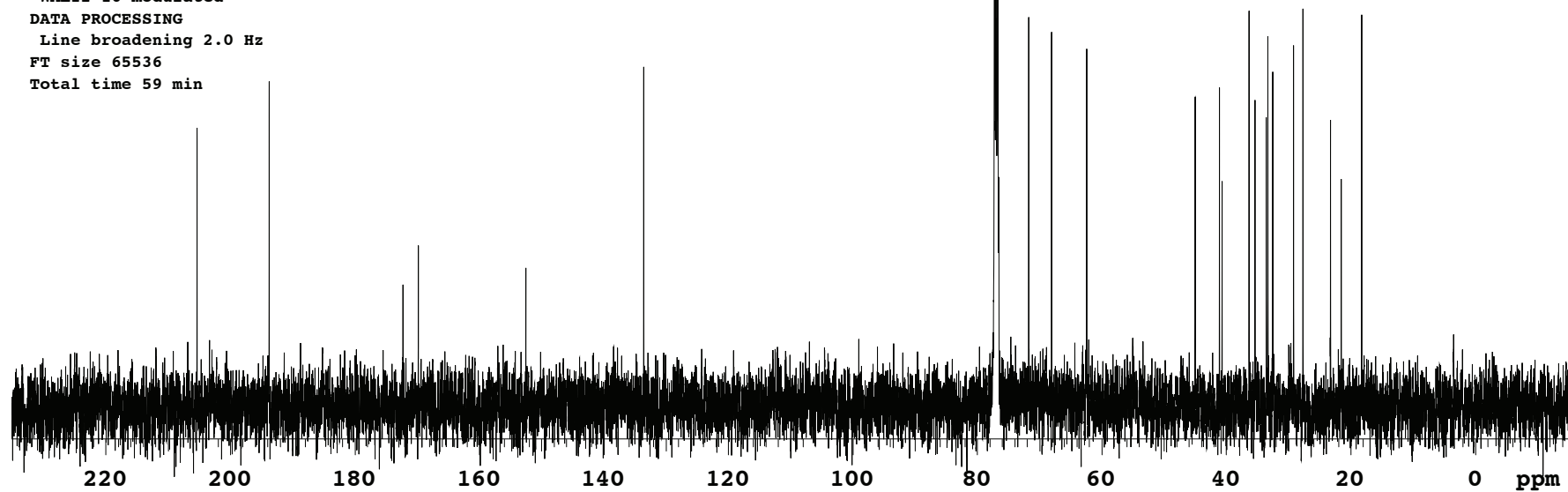
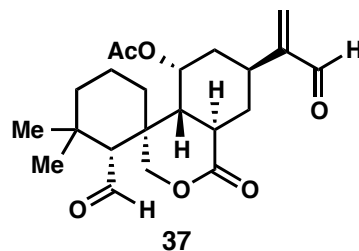
jtsy-ix-251f25-33

Sample Name:
jtsy-ix-251f25-33
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-251f25-33
FidFile: CARBON01

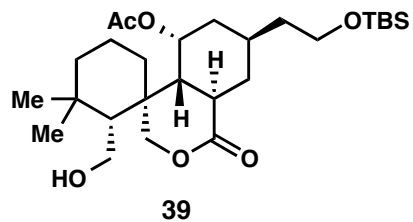
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 7 2014

Sample #1, Operator: yeomanjo

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
3100 repetitions
OBSERVE C13, 125.6484443 MHz
DECOUPLE H1, 499.6976415 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
FT size 65536
Total time 59 min



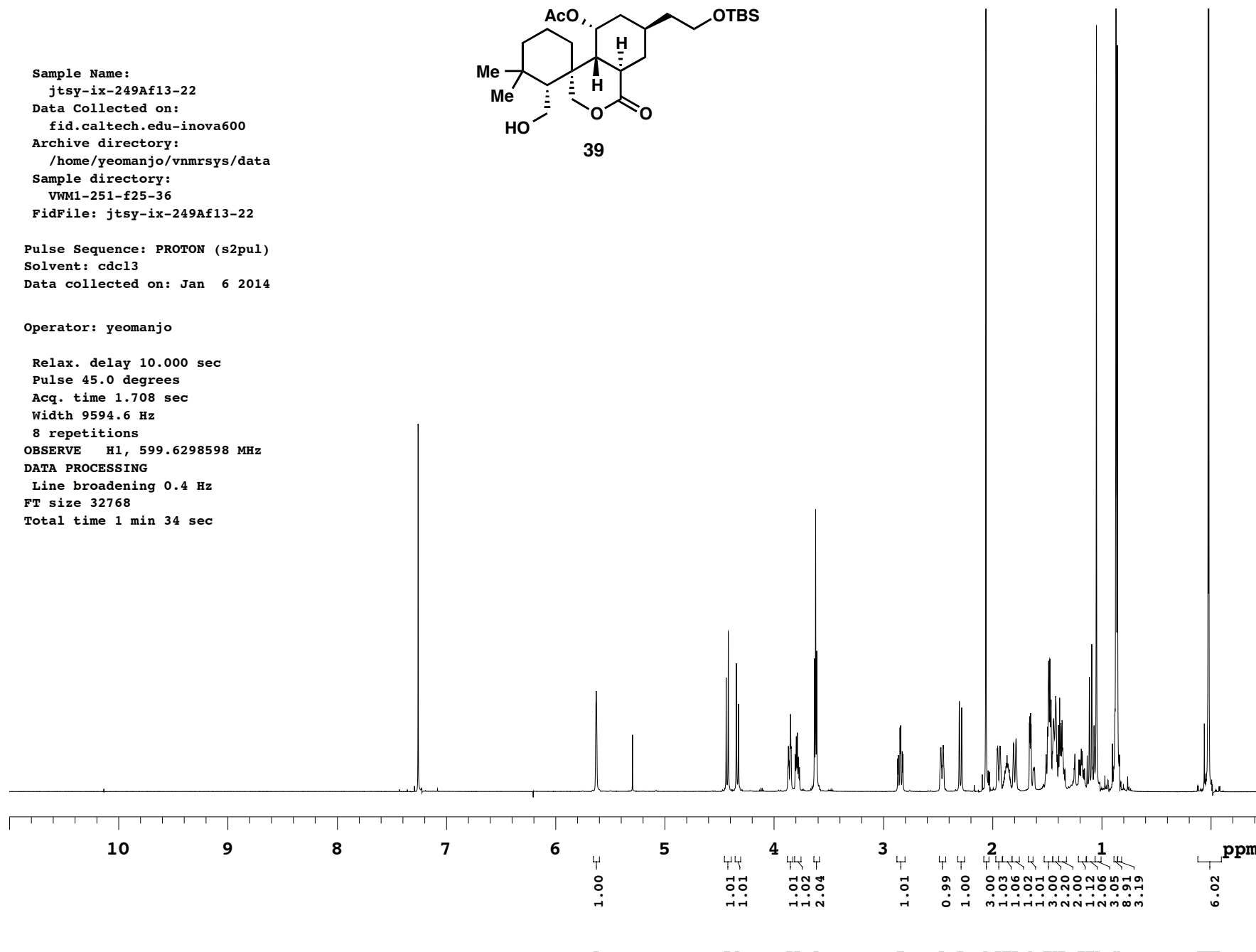
Sample Name:
 jtsy-ix-249Af13-22
 Data Collected on:
 fid.caltech.edu-inova600
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 VWM1-251-f25-36
 FidFile: jtsy-ix-249Af13-22



Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Jan 6 2014

Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 1.708 sec
 Width 9594.6 Hz
 8 repetitions
 OBSERVE H1, 599.6298598 MHz
 DATA PROCESSING
 Line broadening 0.4 Hz
 FT size 32768
 Total time 1 min 34 sec



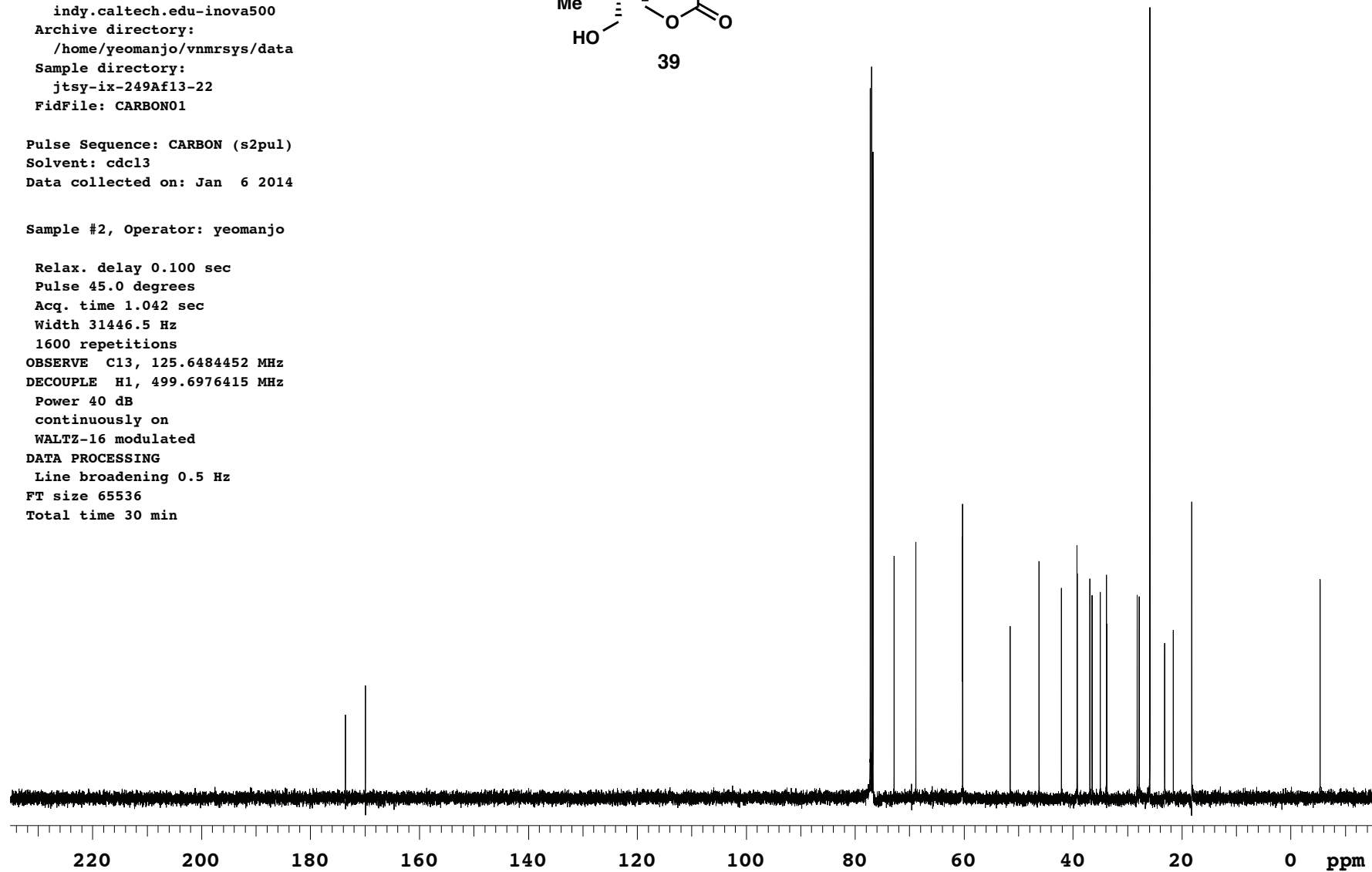
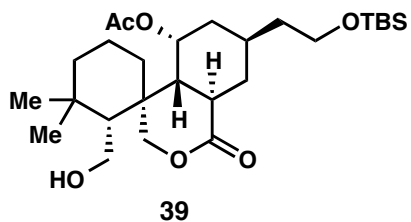
jtsy-ix-249Af13-22

Sample Name:
jtsy-ix-249Af13-22
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-249Af13-22
FidFile: CARBON01

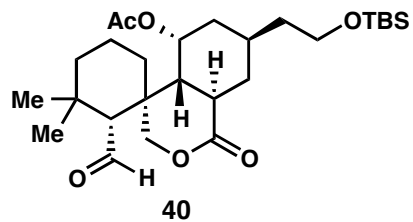
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 6 2014

Sample #2, Operator: yeomanjo

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1600 repetitions
OBSERVE C13, 125.6484452 MHz
DECOUPLE H1, 499.6976415 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 30 min



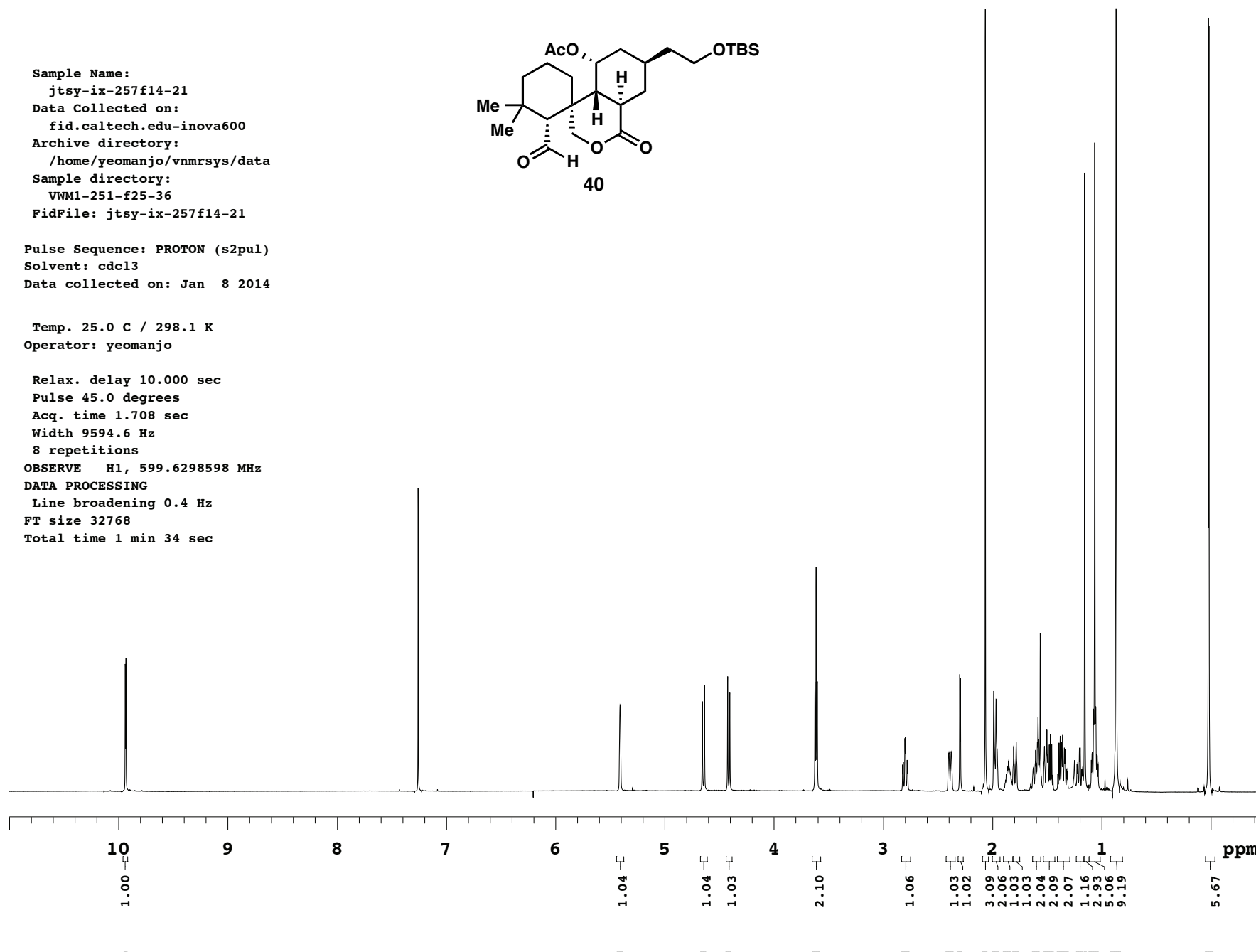
Sample Name:
 jtsy-ix-257f14-21
 Data Collected on:
 fid.caltech.edu-inova600
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 VWM1-251-f25-36
 FidFile: jtsy-ix-257f14-21



Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Jan 8 2014

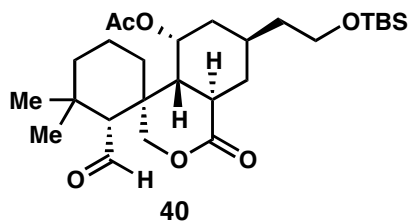
Temp. 25.0 C / 298.1 K
 Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 1.708 sec
 Width 9594.6 Hz
 8 repetitions
 OBSERVE H1, 599.6298598 MHz
 DATA PROCESSING
 Line broadening 0.4 Hz
 FT size 32768
 Total time 1 min 34 sec



jtsy-ix-257f14-21

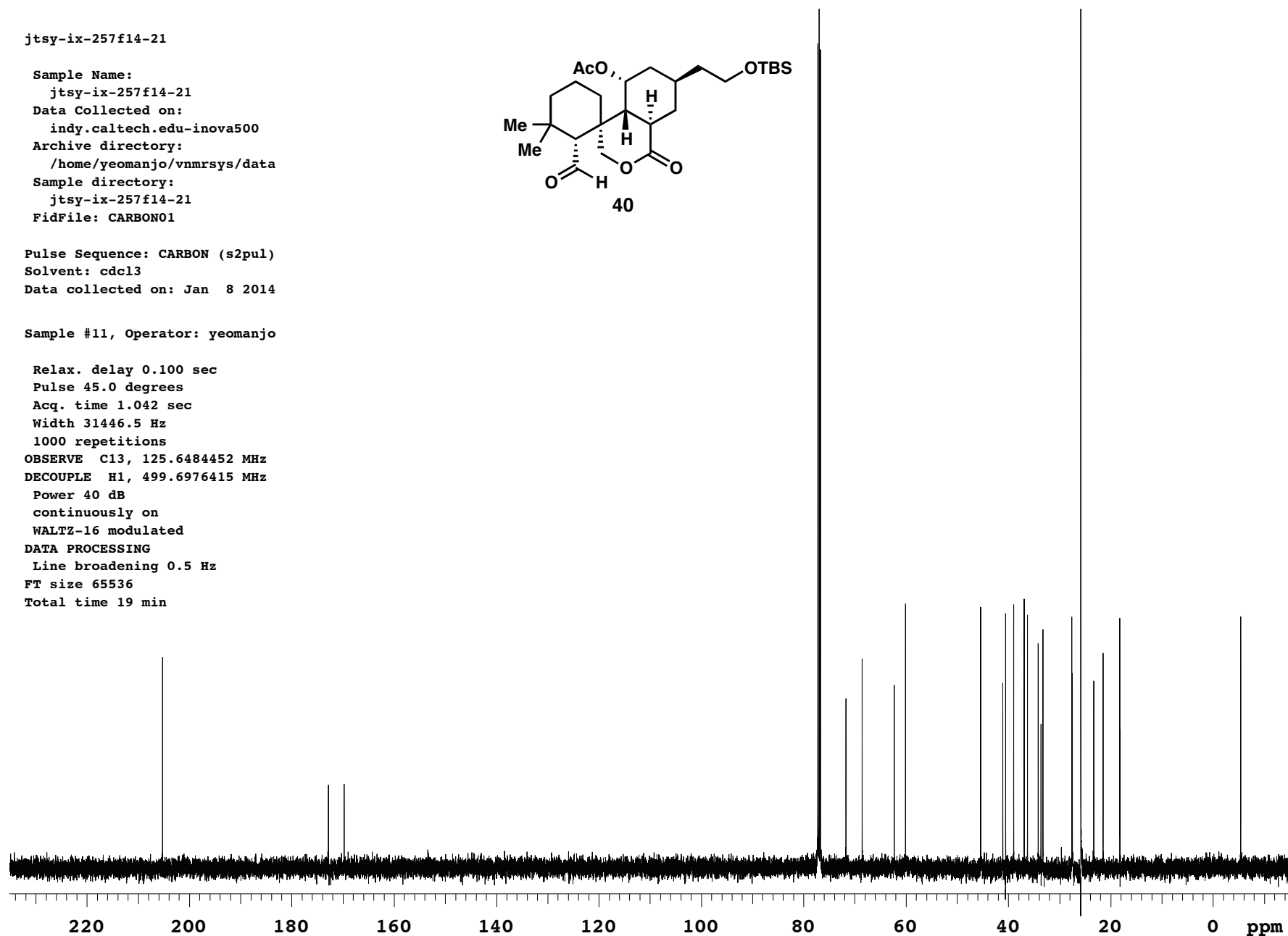
Sample Name:
jtsy-ix-257f14-21
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-257f14-21
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 8 2014

Sample #11, Operator: yeomanjo

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6484452 MHz
DECOUPLE H1, 499.6976415 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 19 min



jtsy-vi-105 hi spot

Sample Name:

jtsy-vi-105hi

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

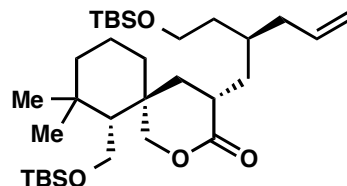
jtsy-vi-105hi

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jun 6 2011



45

less polar diastereomer

Temp. 25.0 C / 298.1 K

Sample #12, Operator: yeomanjo

Relax. delay 5.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

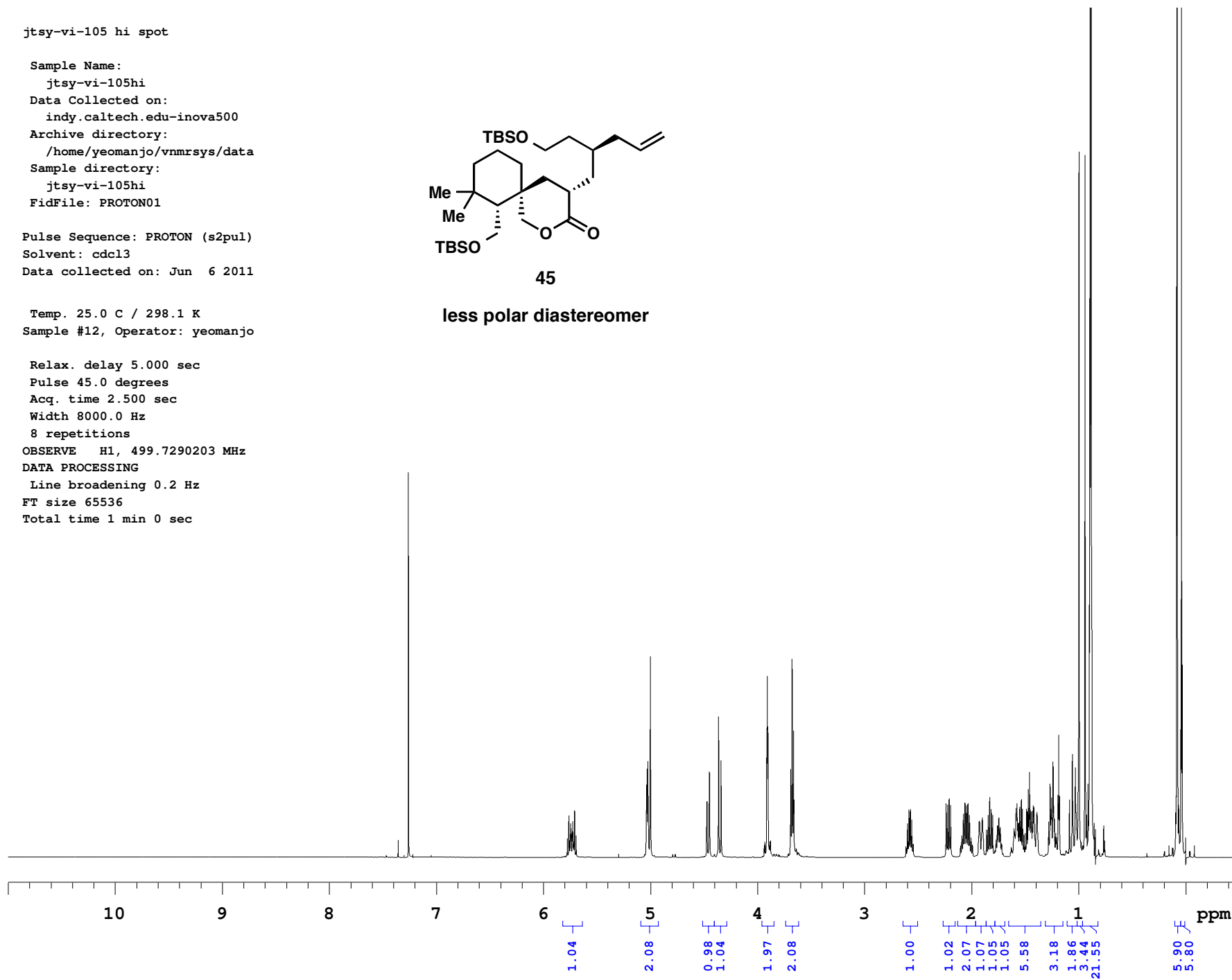
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 0 sec



jtsy-vi-105 hi spot

Sample Name:

jtsy-vi-105hi

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

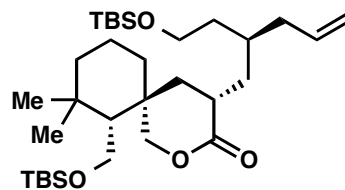
jtsy-vi-105hi

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jun 6 2011



45

less polar diastereomer

Temp. 25.0 C / 298.1 K

Sample #12, Operator: yeomanjo

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

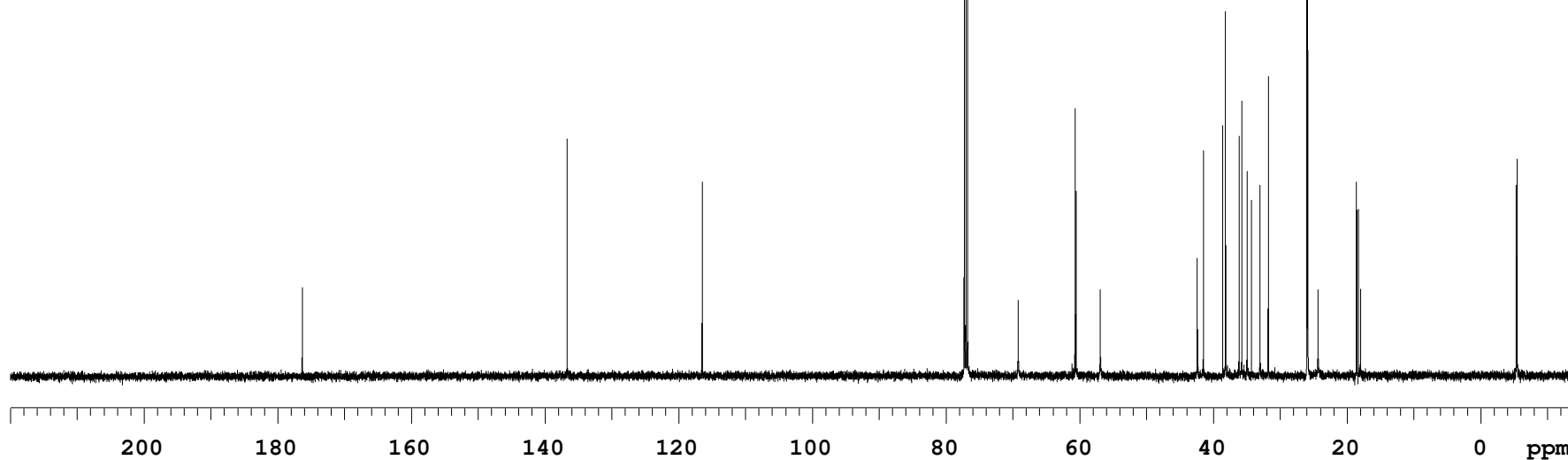
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 34 min



jtsy-vi-129 minor fxns 46-47

Sample Name:

jtsy-vi-129min46-47

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-vi-129min46-47

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jun 29 2011

Sample #20, Operator: yeomanjo

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

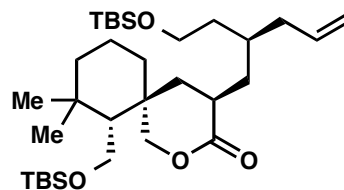
OBSERVE H1, 499.7290394 MHz

DATA PROCESSING

Line broadening 0.2 Hz

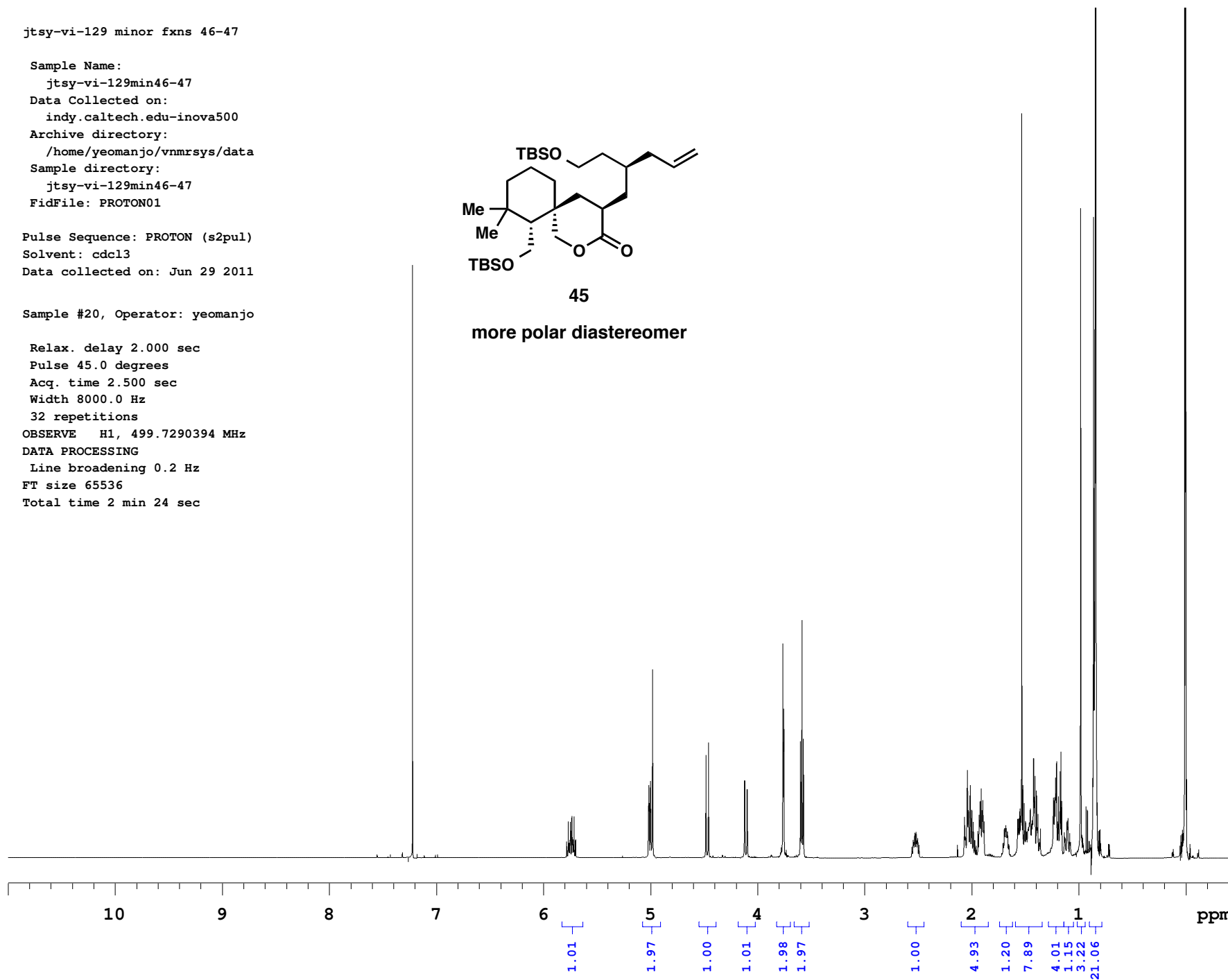
FT size 65536

Total time 2 min 24 sec



45

more polar diastereomer



jtsy-vi-129 minor fxns 46-47

Sample Name:

jtsy-vi-129min46-47

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-vi-129min46-47

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jun 29 2011

Sample #18, Operator: yeomanjo

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

3000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

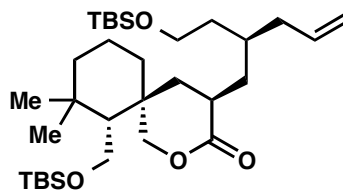
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

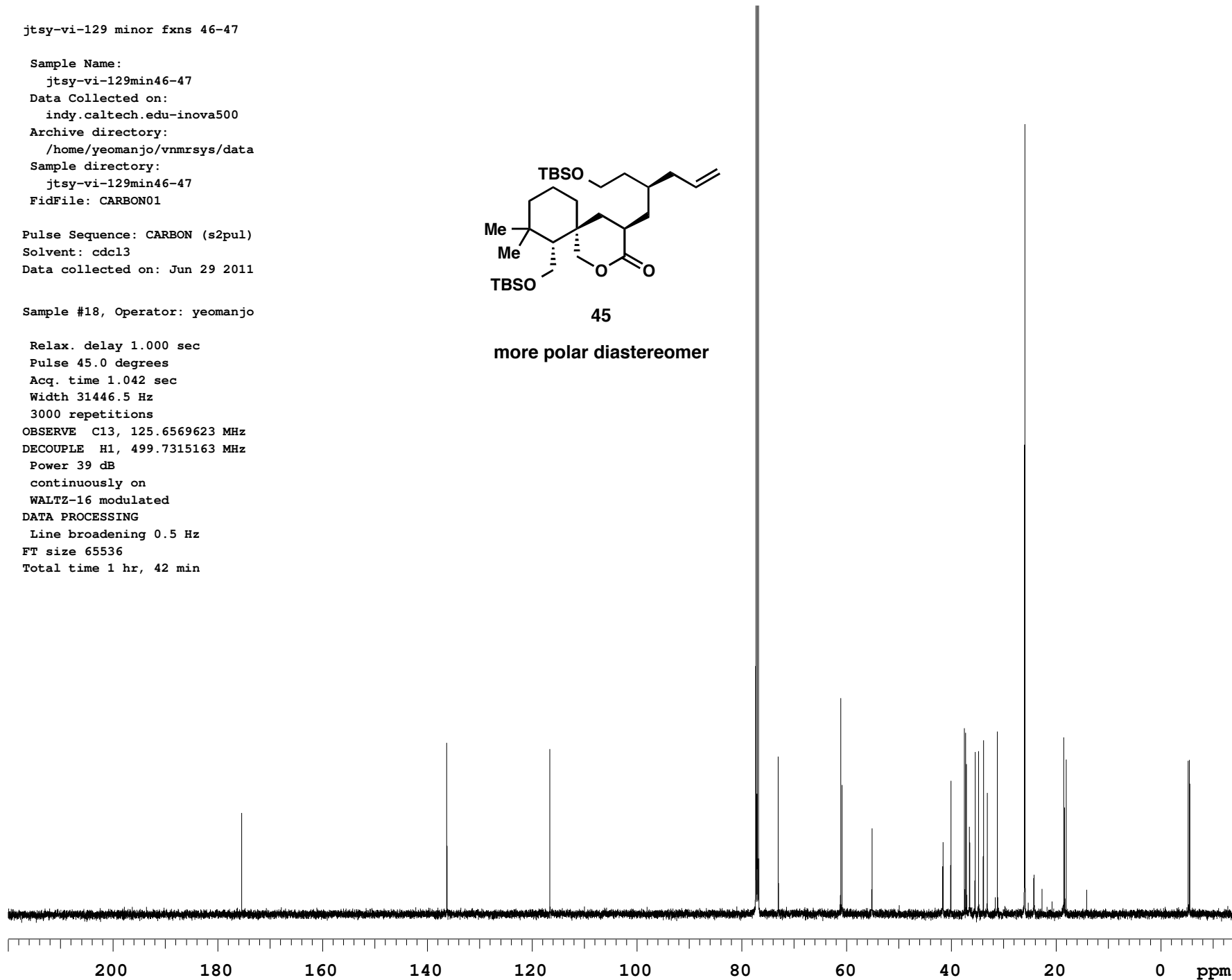
FT size 65536

Total time 1 hr, 42 min



45

more polar diastereomer



jc-1-288-A

Sample Name:

jc-1-288-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-288-A

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdc13

Data collected on: Jun 16 2011

Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

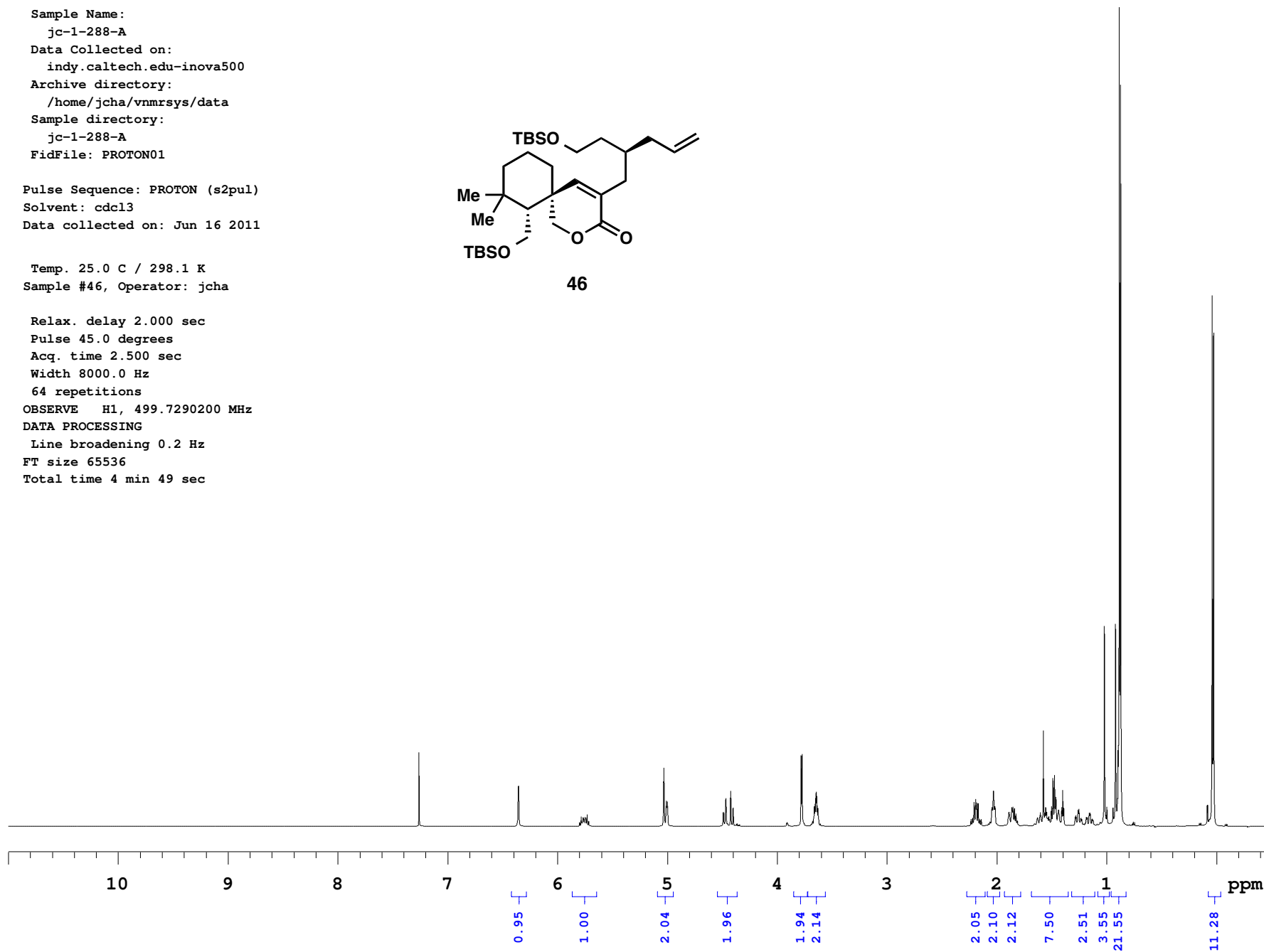
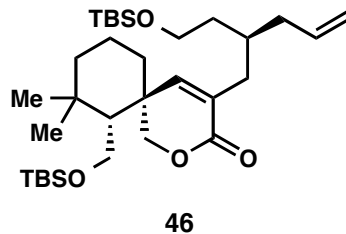
OBSERVE H1, 499.7290200 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 49 sec



jc-1-288-A

Sample Name:

jc-1-288-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-288-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jun 16 2011

Temp. 25.0 C / 298.1 K

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

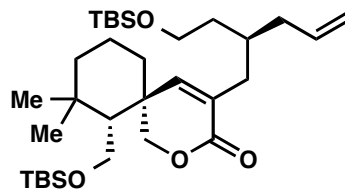
WALTZ-16 modulated

DATA PROCESSING

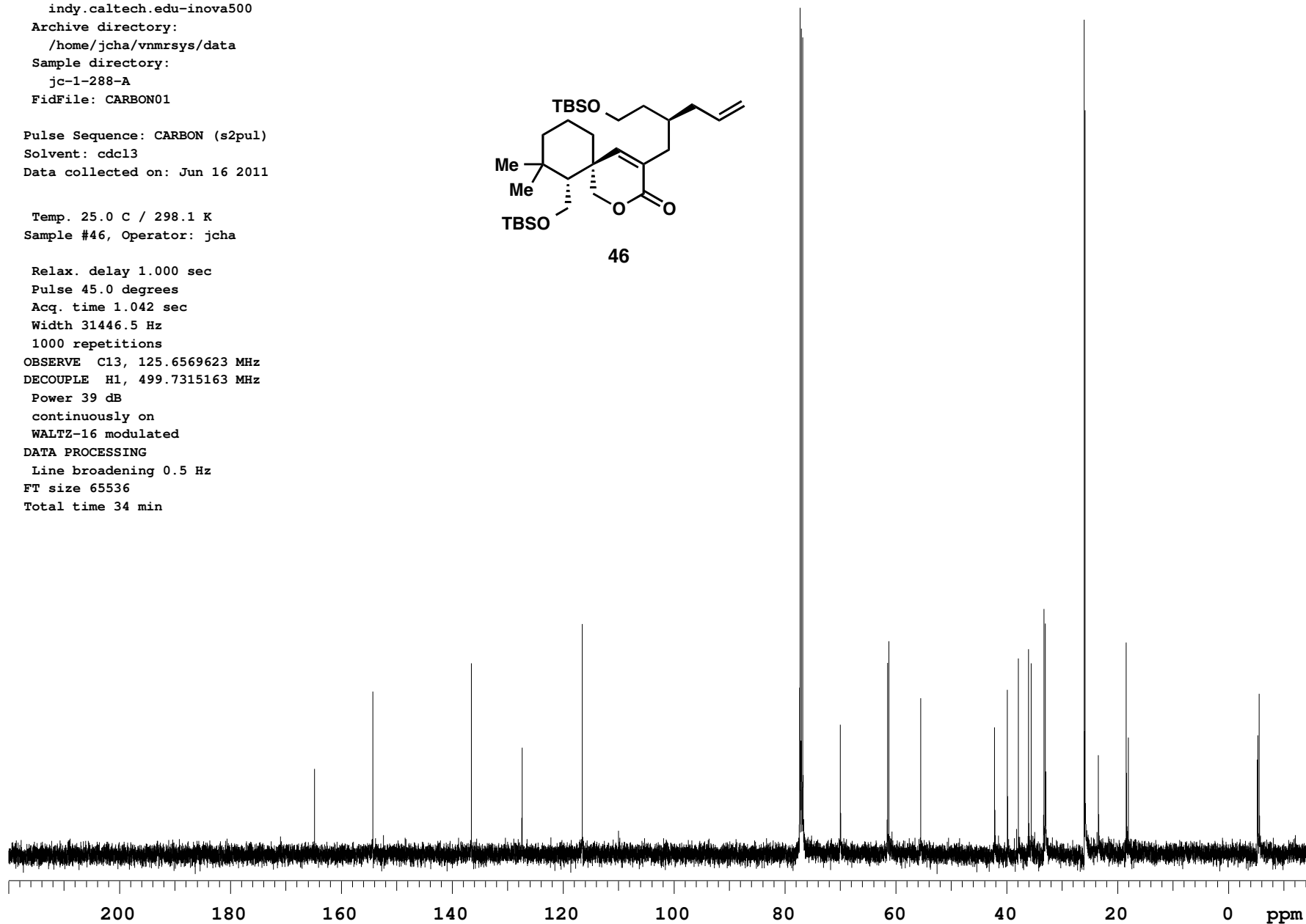
Line broadening 0.5 Hz

FT size 65536

Total time 34 min



46



jc-1-272-A-char

Sample Name:

jc-1-272-A-char

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

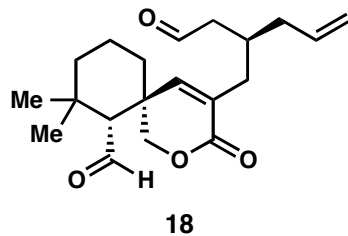
jc-1-272-A-char

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jun 2 2011



Temp. 25.0 C / 298.1 K

Sample #2, Operator: jcha

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

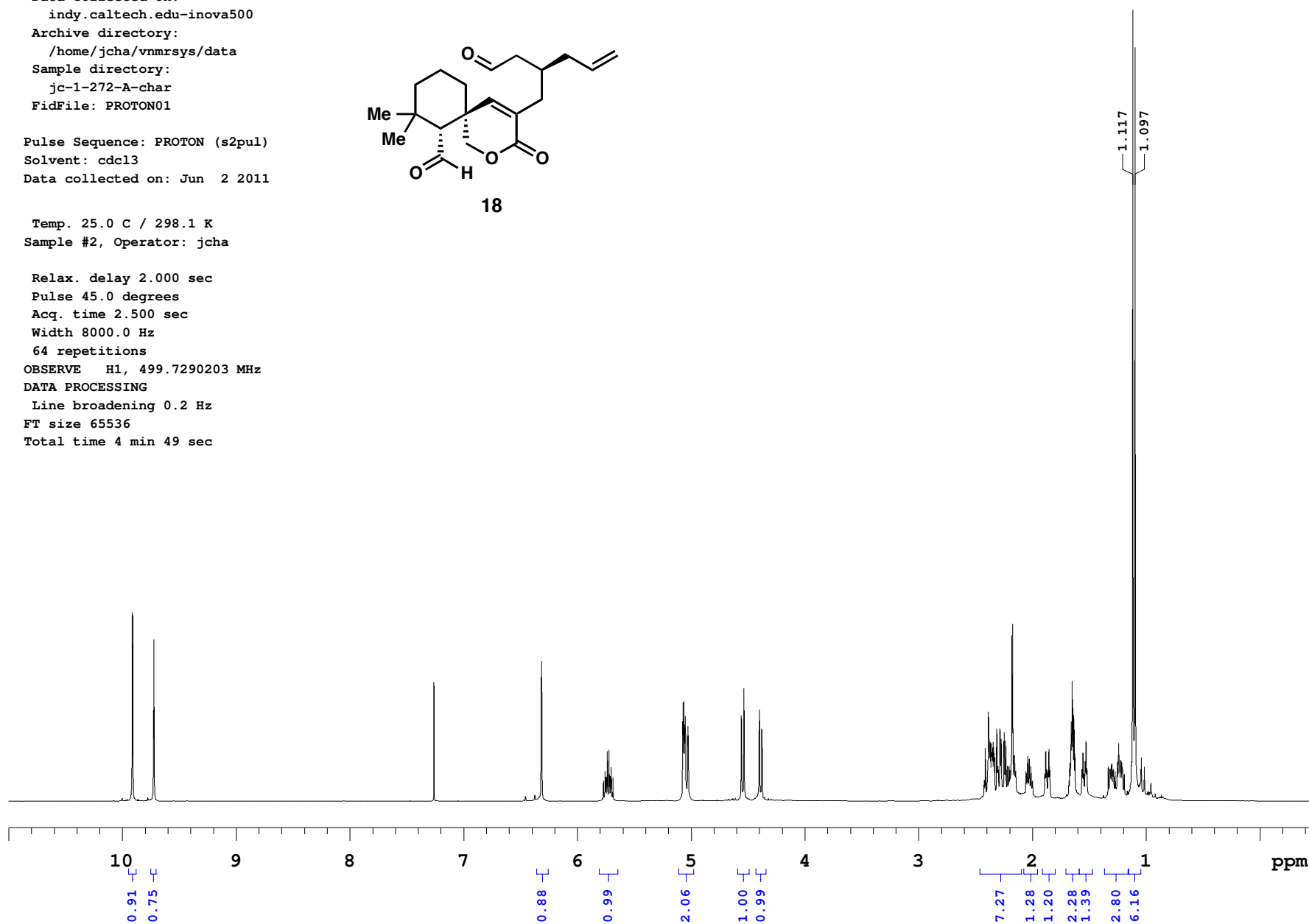
OBSERVE H1, 499.7290203 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 4 min 49 sec



jc-1-272-A-char

Sample Name:

jc-1-272-A-char

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

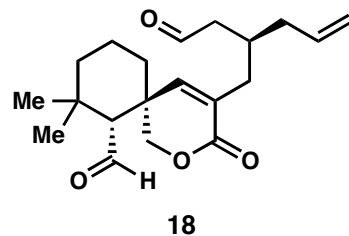
jc-1-272-A-char

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jun 2 2011



Temp. 25.0 C / 298.1 K

Sample #2, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6569642 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

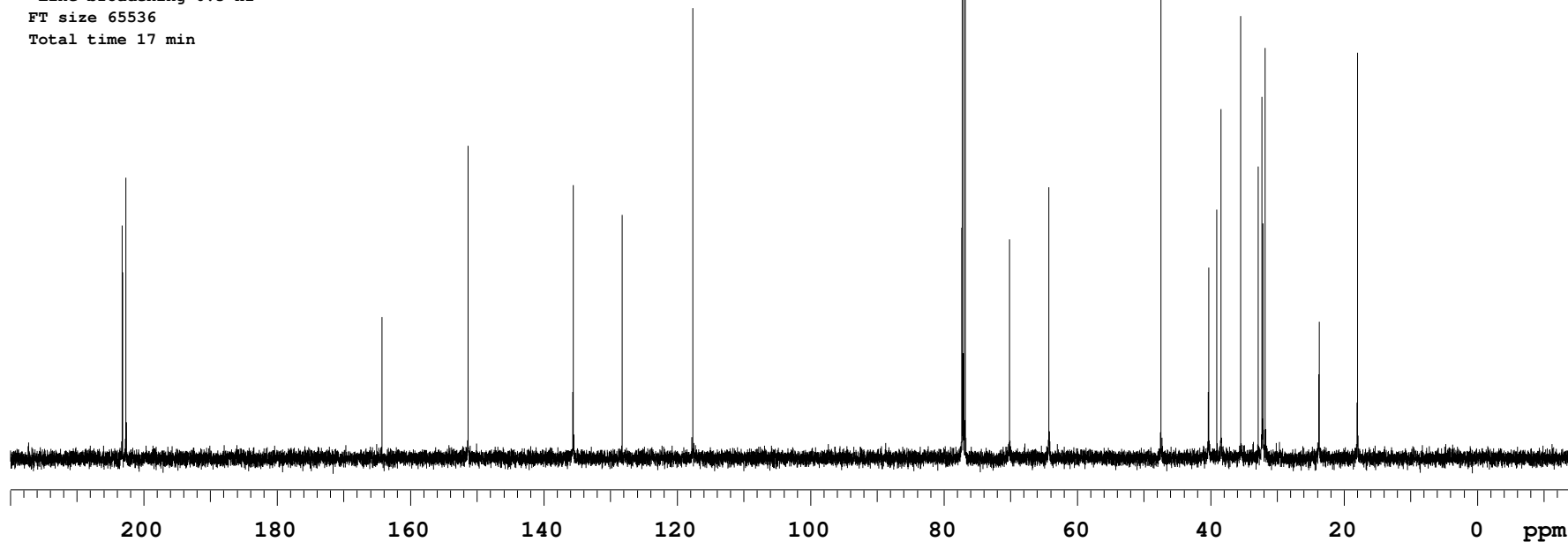
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 17 min



jtsy-vi-163pHPLC

Sample Name:

jtsy-vi-163pHPLC

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-vi-163pHPLC

FidFile: PROTON01

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 1 2011

Sample #14, Operator: yeomanjo

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

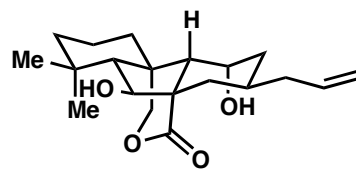
OBSERVE H1, 499.7290166 MHz

DATA PROCESSING

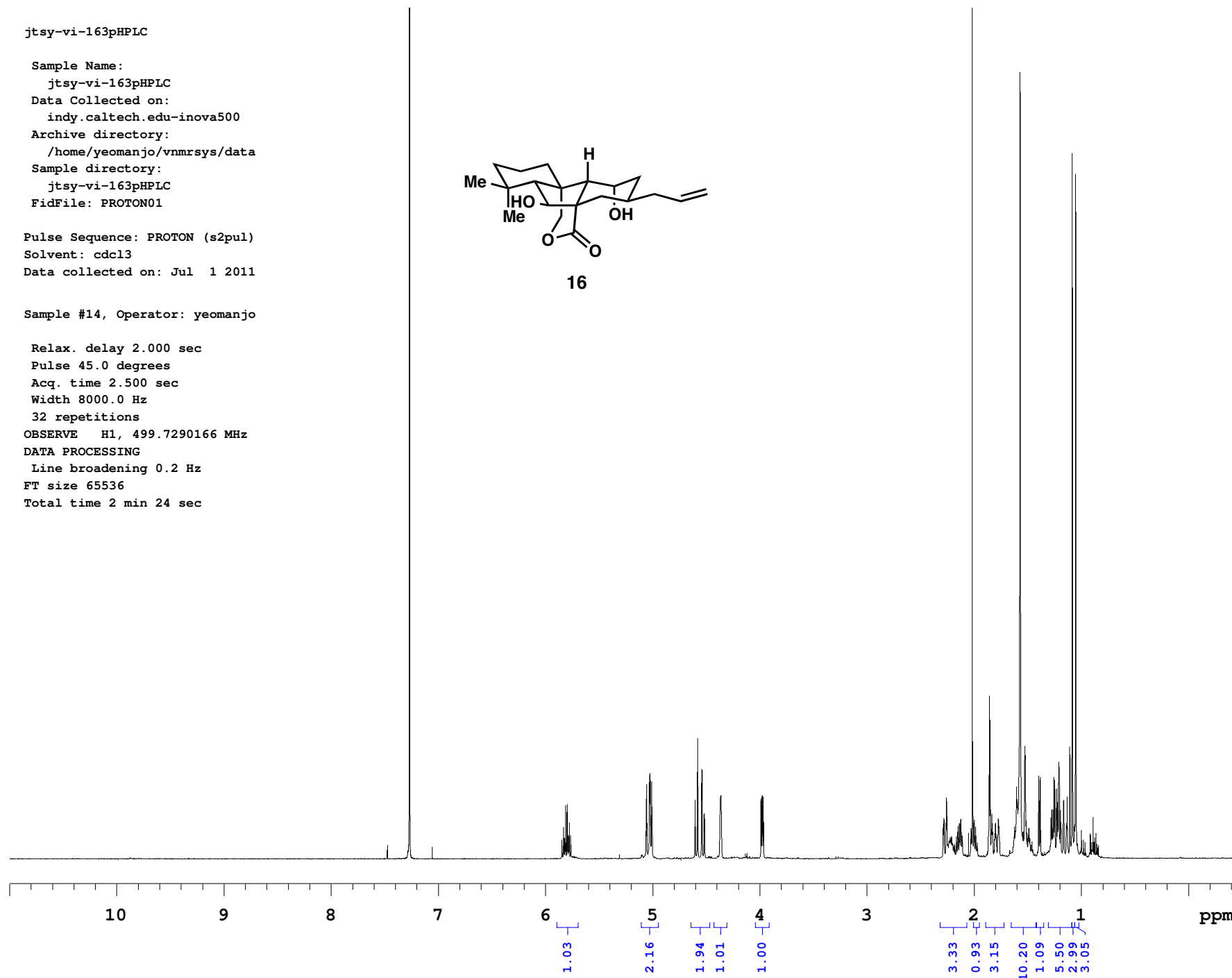
Line broadening 0.2 Hz

FT size 65536

Total time 2 min 24 sec



16



jtsy-vi-163

Sample Name:

jtsy-vi-163pHPLC

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-vi-163pHPLC

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 1 2011

Sample #14, Operator: yeomanjo

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

6000 repetitions

OBSERVE C13, 125.6569623 MHz

DECOUPLE H1, 499.7315163 MHz

Power 39 dB

continuously on

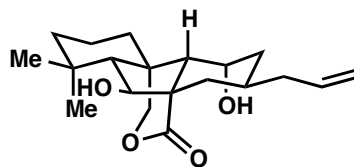
WALTZ-16 modulated

DATA PROCESSING

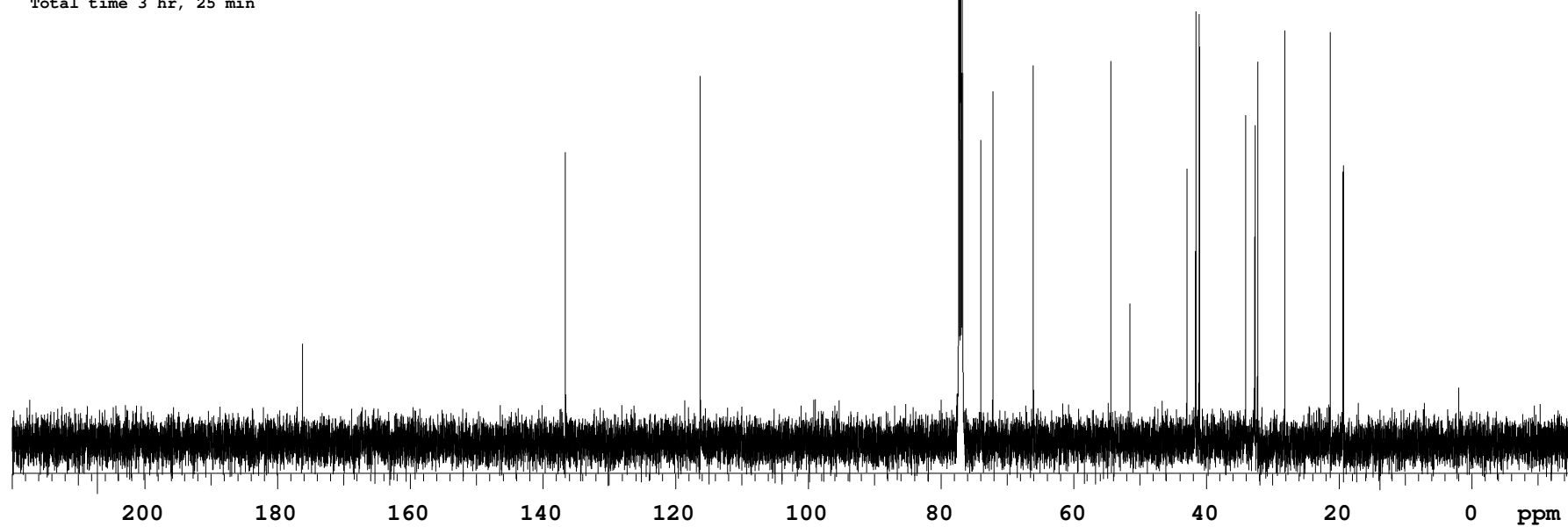
Line broadening 0.5 Hz

FT size 65536

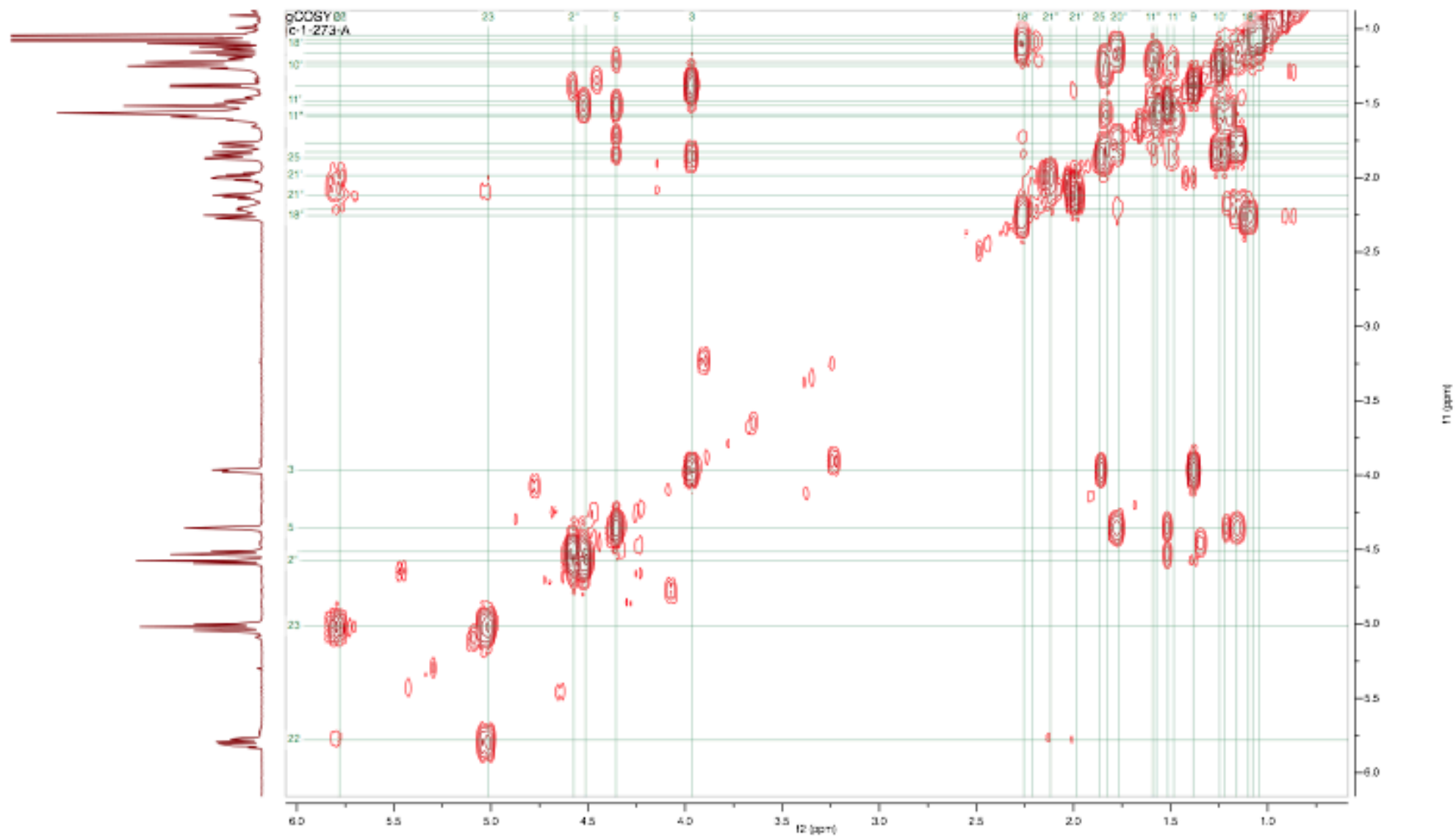
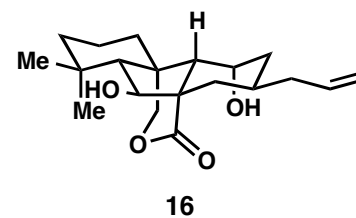
Total time 3 hr, 25 min



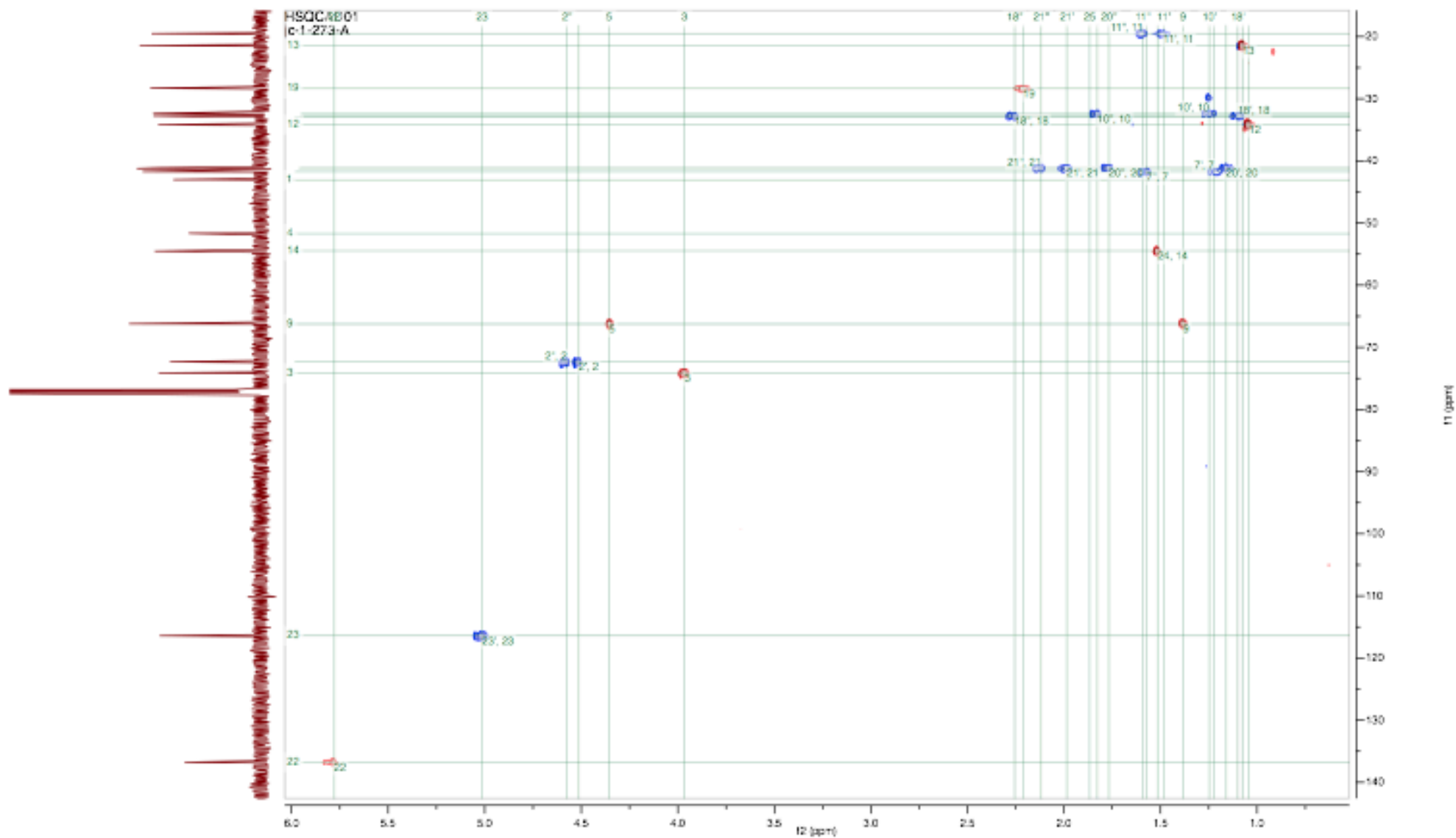
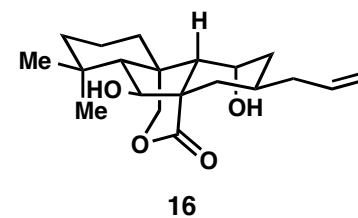
16

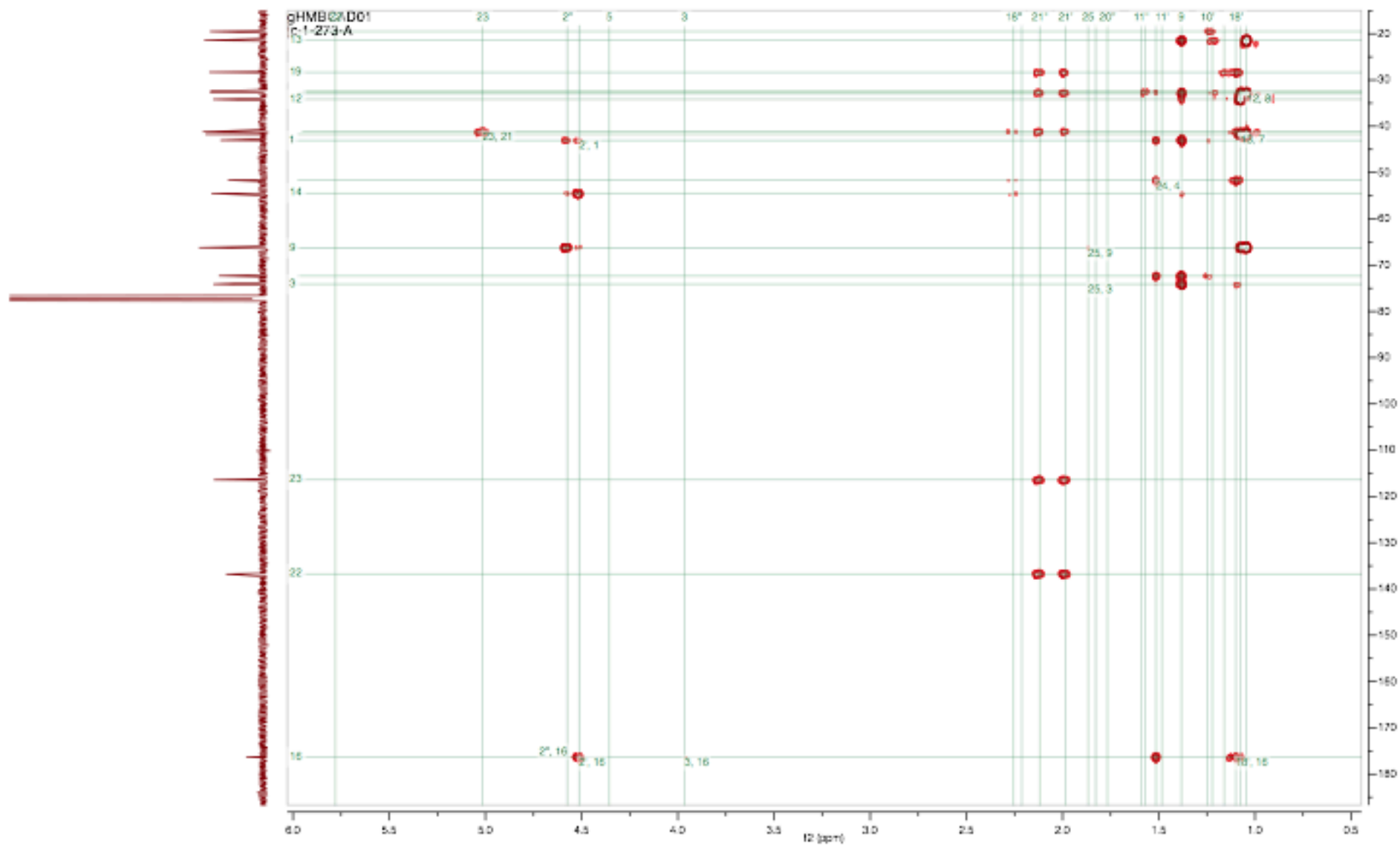
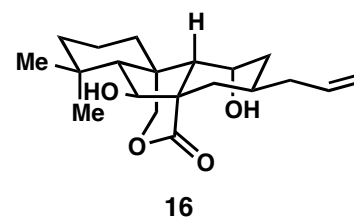


COSY of

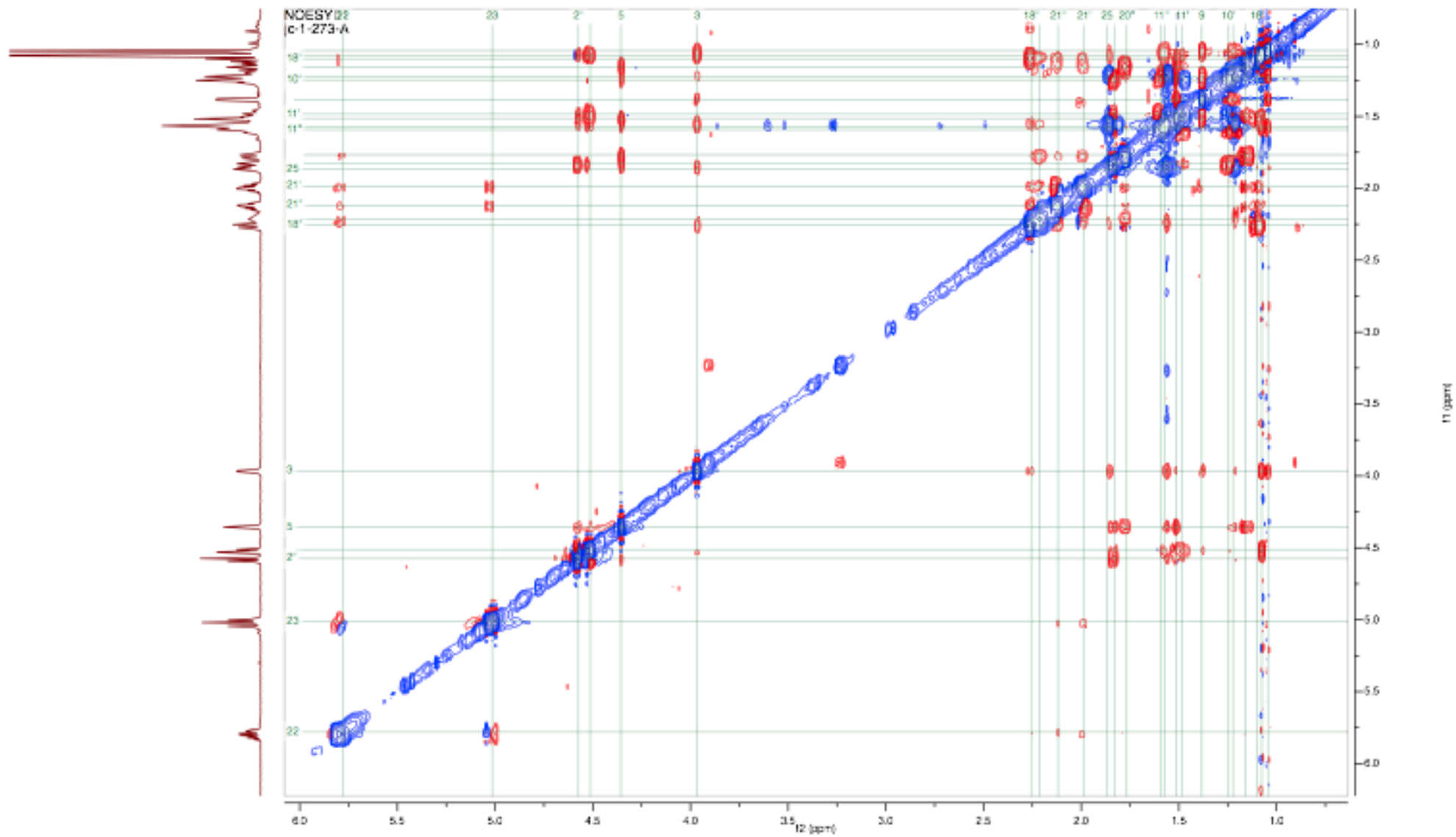
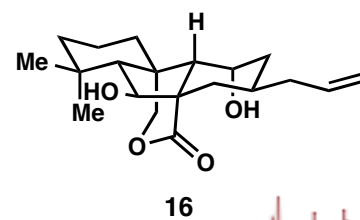


HSQC of





NOESY of



jc-1-274-A

Sample Name:

jc-1-274-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-274-A

FidFile: current

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 20 2011

Sample #2, Operator: jcha

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

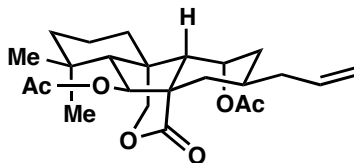
OBSERVE H1, 499.7225125 MHz

DATA PROCESSING

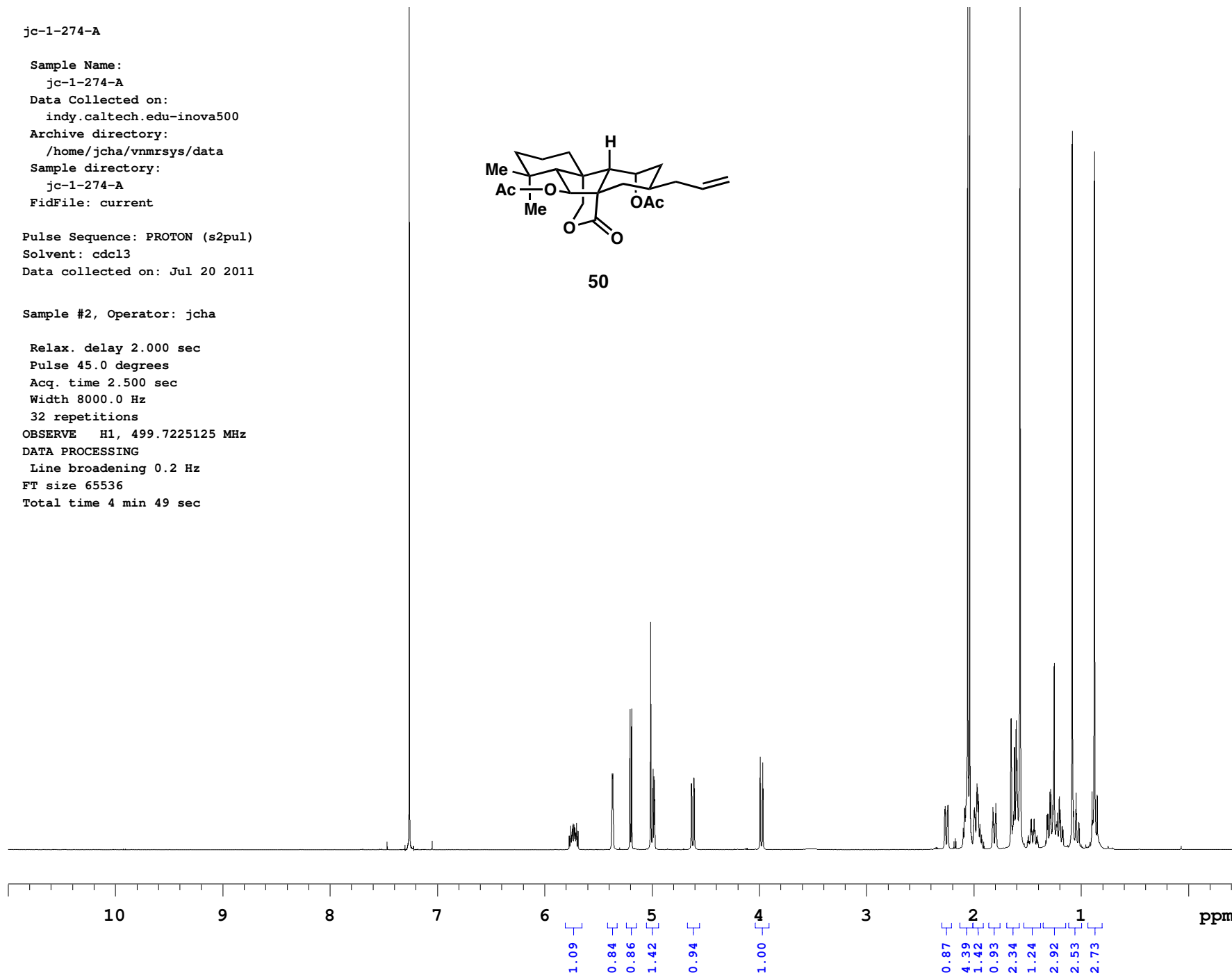
Line broadening 0.2 Hz

FT size 65536

Total time 4 min 49 sec



50



jc-1-274-A

Sample Name:

jc-1-274-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

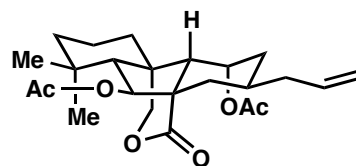
jc-1-274-A

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 18 2011



50

Sample #46, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

1725 repetitions

OBSERVE C13, 125.6553262 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

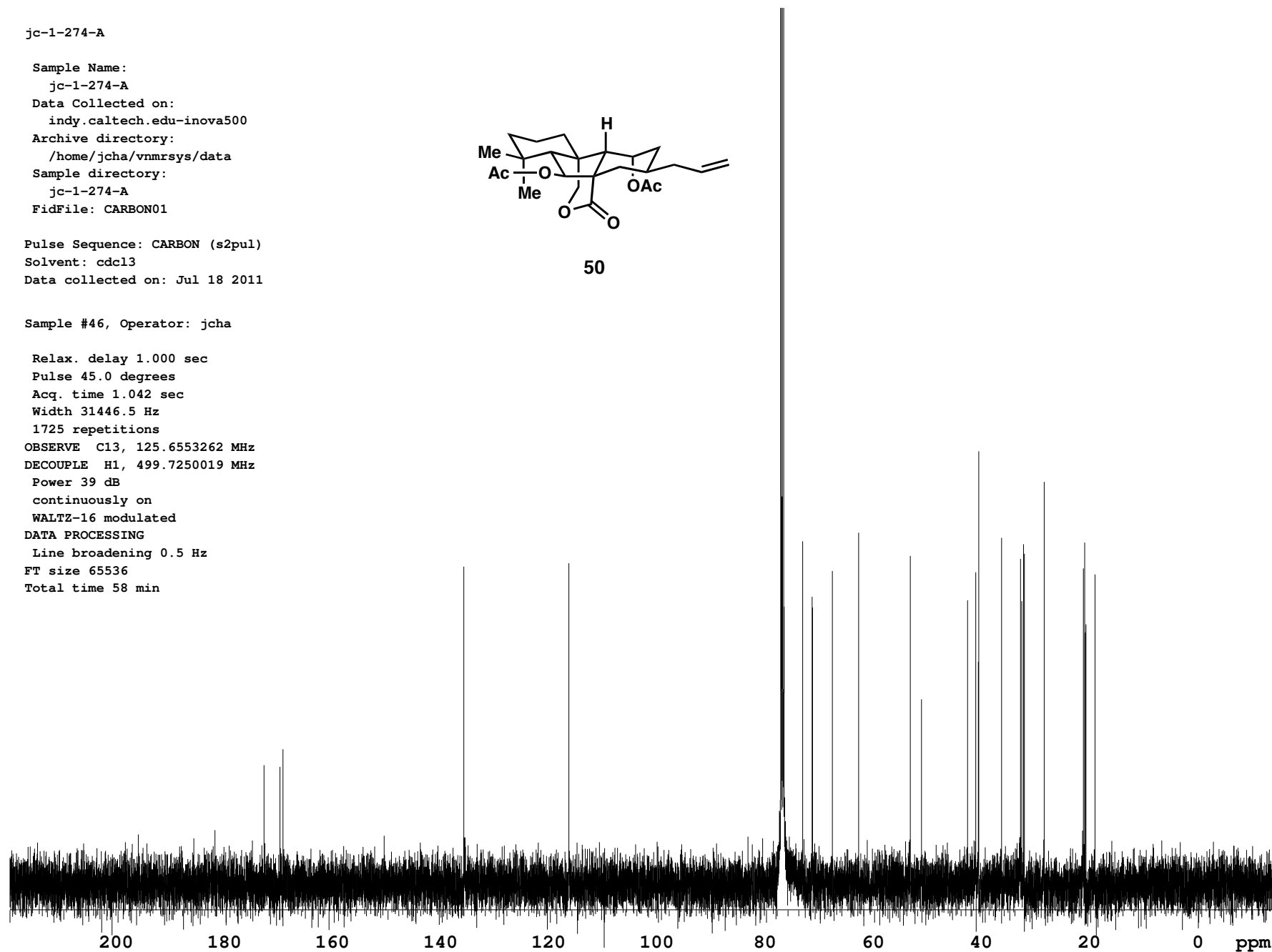
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 58 min



jc-1-274-B

Sample Name:

jc-1-274-B

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-274-B

FidFile: PROTON03

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jul 26 2011

Sample #1, Operator: jcha

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

64 repetitions

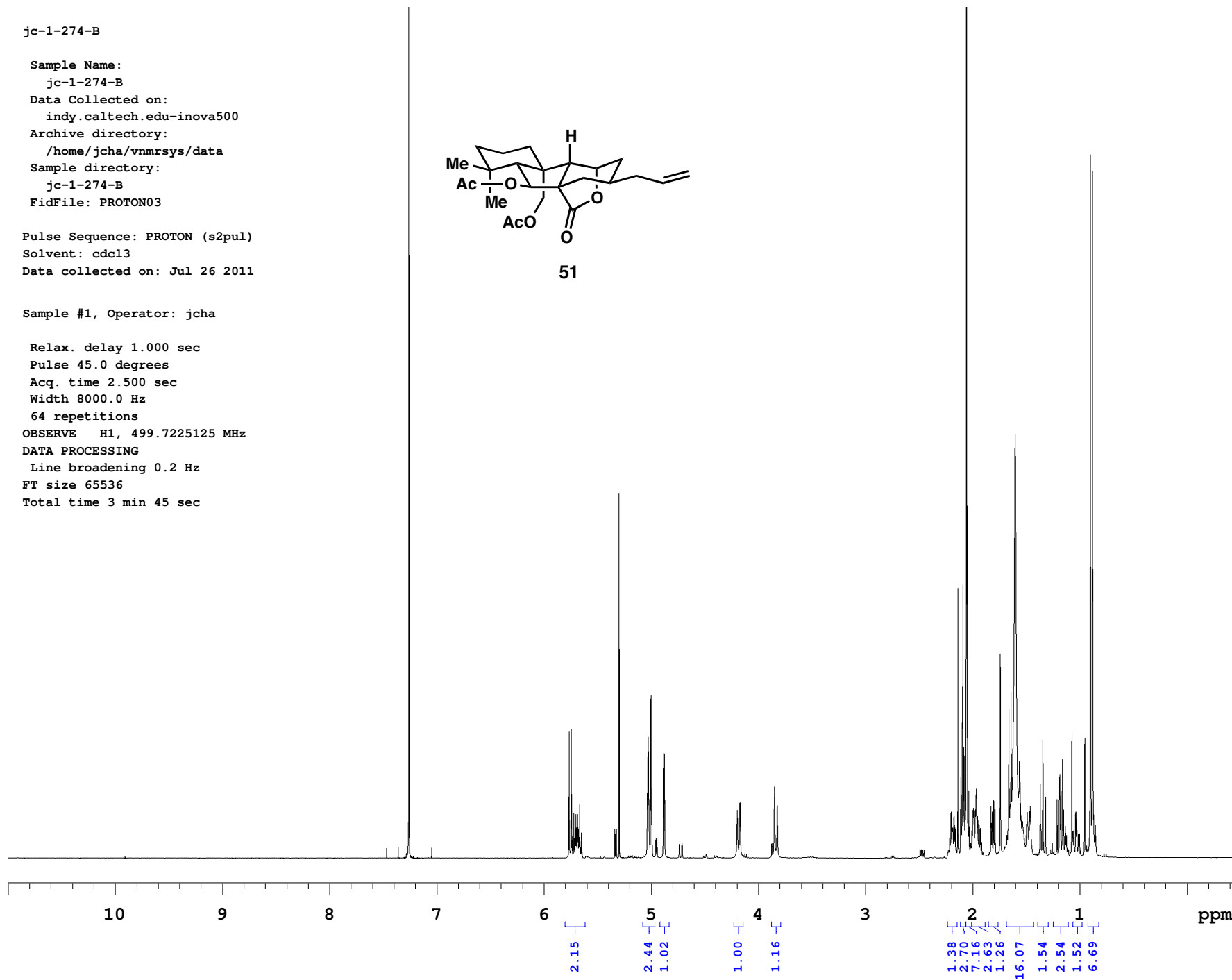
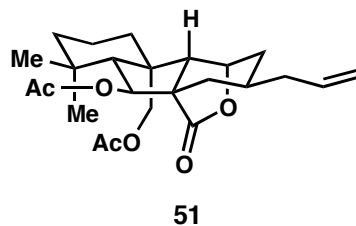
OBSERVE H1, 499.7225125 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 3 min 45 sec



jc-1-274-B

Sample Name:

jc-1-274-B

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

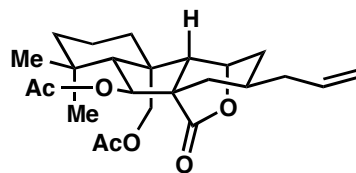
jc-1-274-B

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdc13

Data collected on: Jul 26 2011



51

Sample #1, Operator: jcha

Relax. delay 0.500 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

2250 repetitions

OBSERVE C13, 125.6553271 MHz

DECOUPLE H1, 499.7250019 MHz

Power 39 dB

continuously on

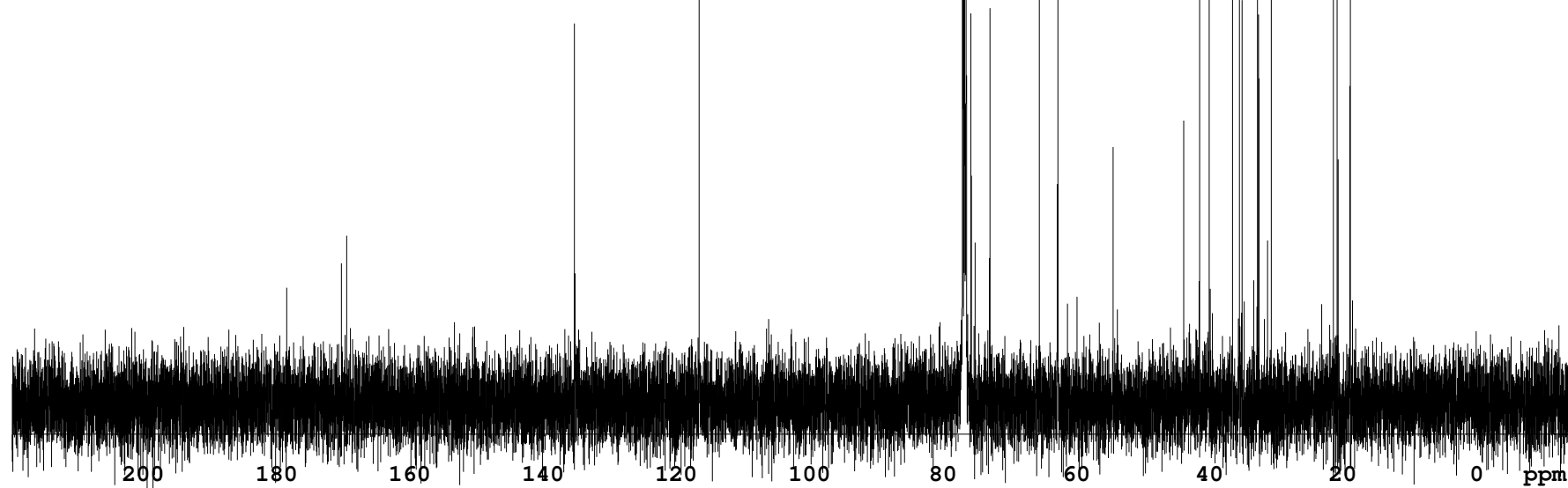
WALTZ-16 modulated

DATA PROCESSING

Line broadening 0.5 Hz

FT size 65536

Total time 58 min



jc-1-276-A

Sample Name:

jc-1-276-A

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/jcha/vnmrsys/data

Sample directory:

jc-1-276-A

FidFile: PROTON02

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: Jun 30 2011

Sample #1, Operator: jcha

Relax. delay 2.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

32 repetitions

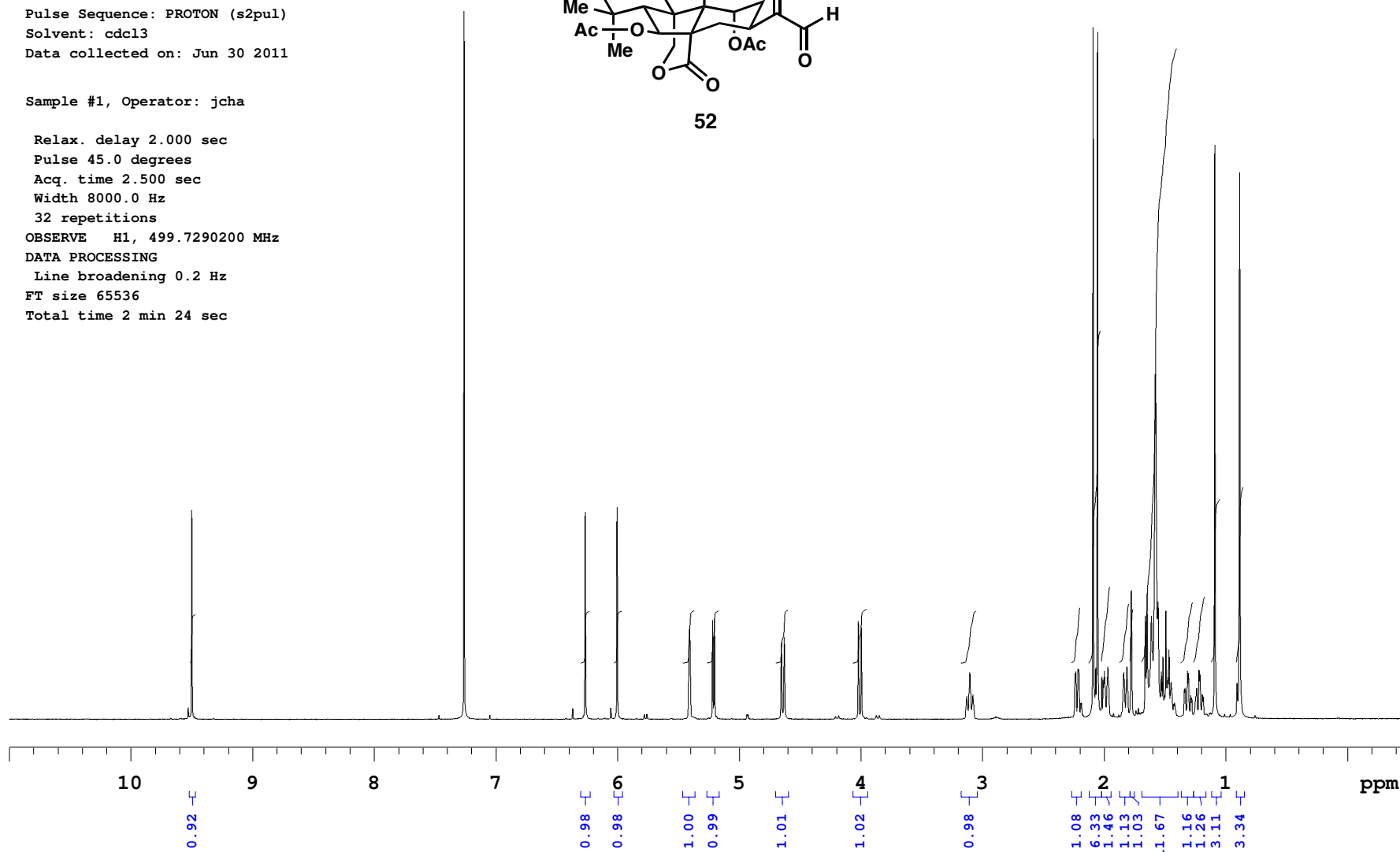
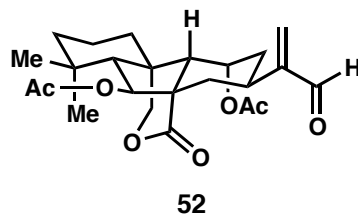
OBSERVE H1, 499.7290200 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 2 min 24 sec



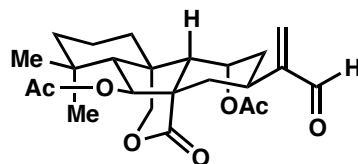
jc-1-276-A

Sample Name:
jc-1-276-A
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/jcha/vnmrsys/data
Sample directory:
jc-1-276-A
FidFile: CARBON01

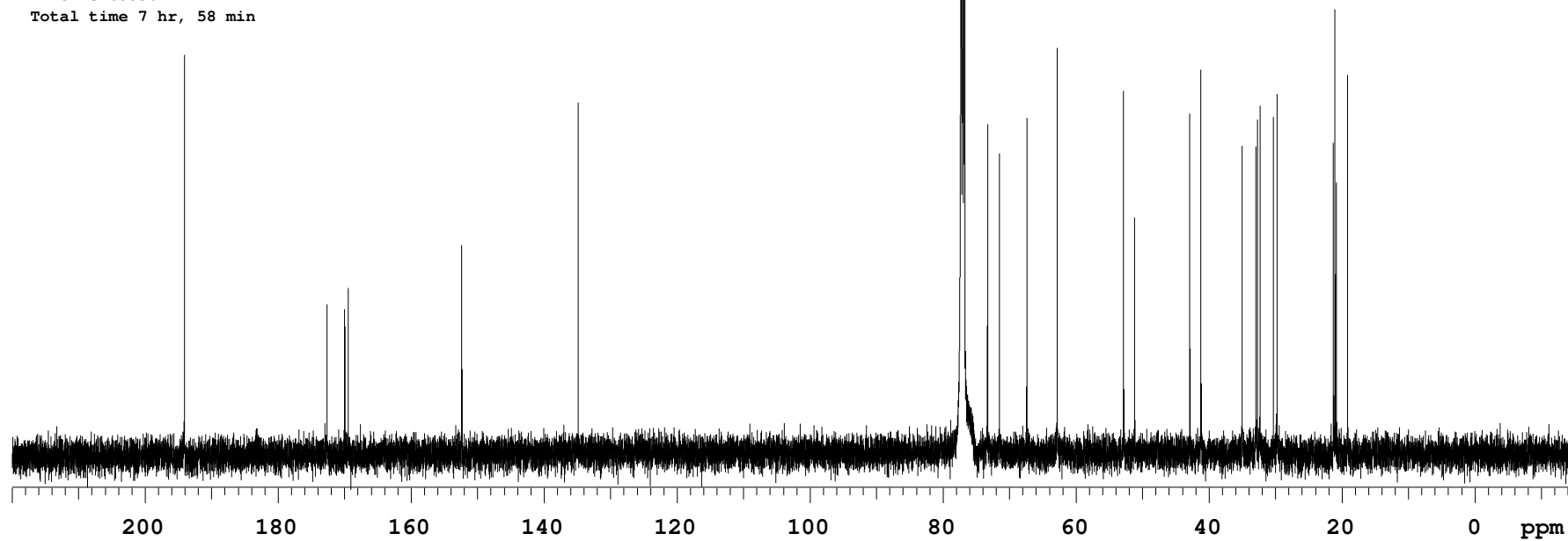
Pulse Sequence: CARBON (s2pul)
Solvent: cdc13
Data collected on: Jun 30 2011

Sample #1, Operator: jcha

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
9400 repetitions
OBSERVE C13, 125.6569623 MHz
DECOUPLE H1, 499.7315163 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 7 hr, 58 min



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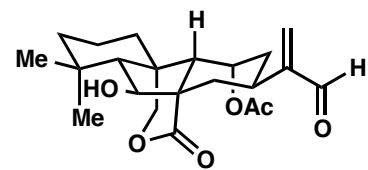
jc-1-277-pyridine

Sample Name:
jc-1-277-pyridine
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/jcha/vnmrsys/data
Sample directory:
jc-1-277-pyridine
FidFile: PROTON01

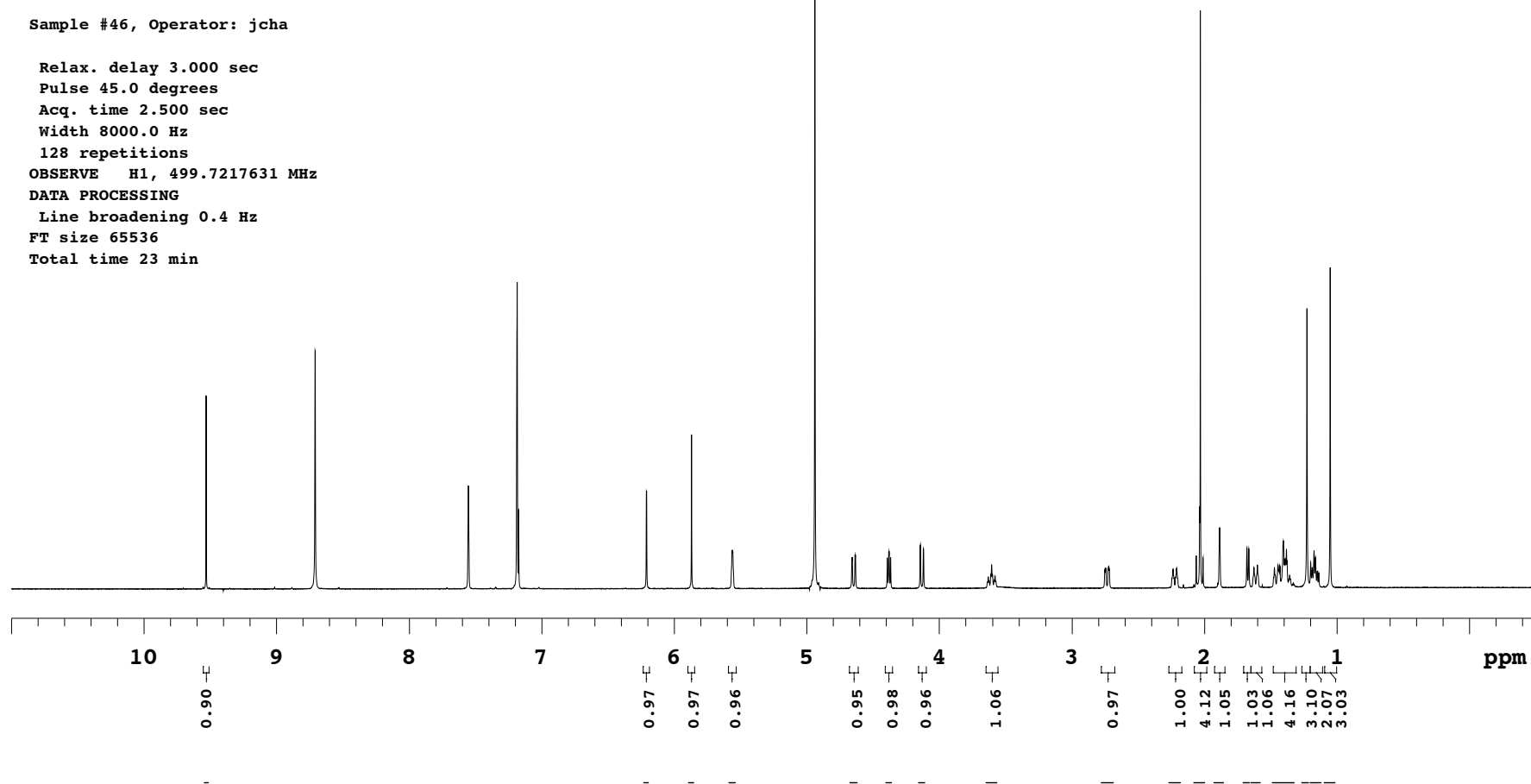
Pulse Sequence: PROTON (s2pul)
Solvent: pyridine
Data collected on: Aug 2 2011

Sample #46, Operator: jcha

Relax. delay 3.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
128 repetitions
OBSERVE H1, 499.7217631 MHz
DATA PROCESSING
Line broadening 0.4 Hz
FT size 65536
Total time 23 min



(-)-maoecrystal Z (1)



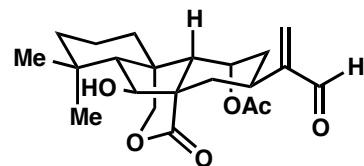
jc-1-277-pyridine

Sample Name:
jc-1-277-pyridine
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/jcha/vnmrsys/data
Sample directory:
jc-1-277-pyridine
FidFile: CARBON02

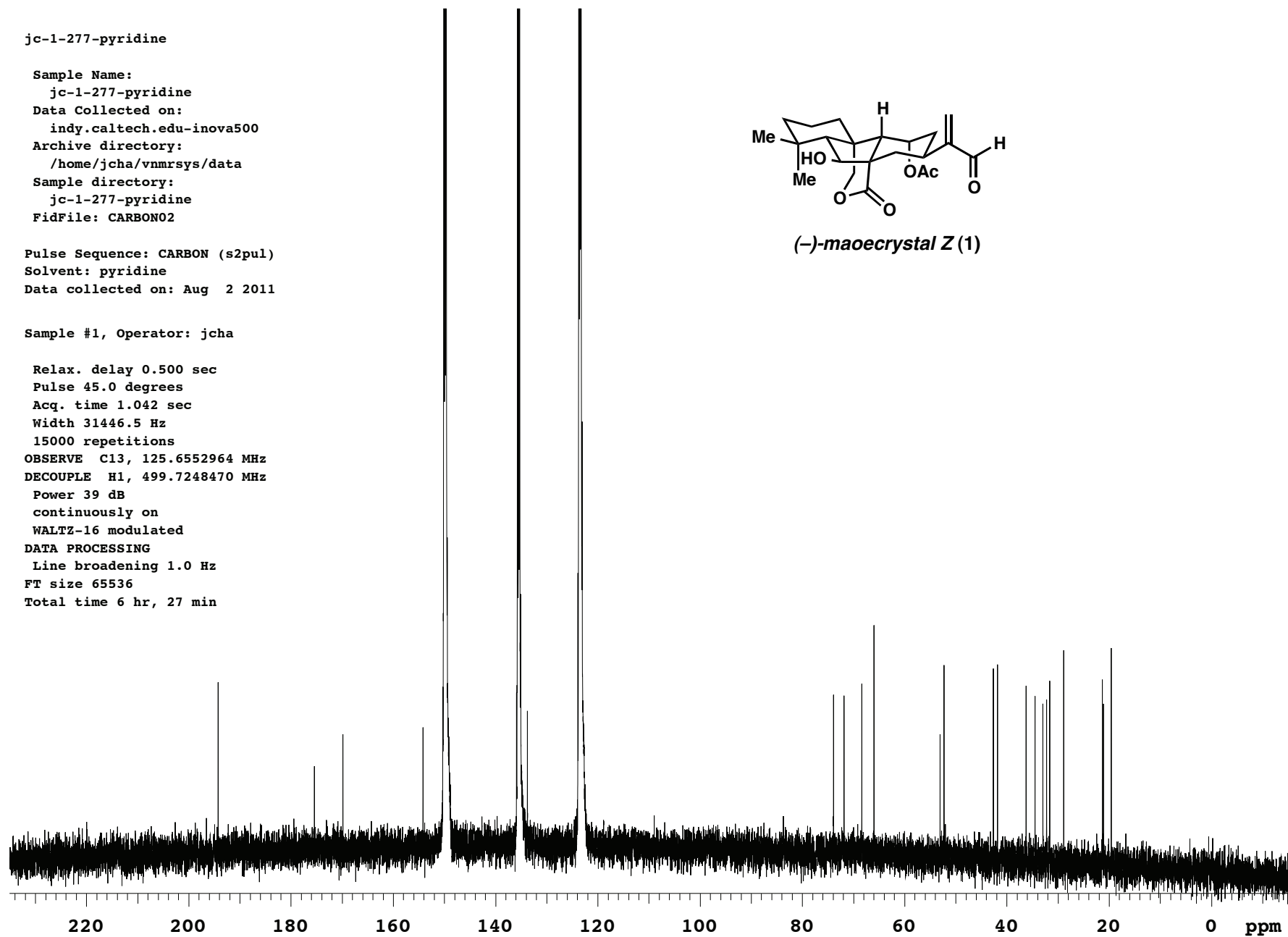
Pulse Sequence: CARBON (s2pul)
Solvent: pyridine
Data collected on: Aug 2 2011

Sample #1, Operator: jcha

Relax. delay 0.500 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
15000 repetitions
OBSERVE C13, 125.6552964 MHz
DECOUPLE H1, 499.7248470 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 6 hr, 27 min



(-)-maoecrystal Z (1)



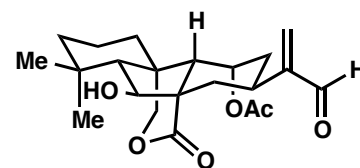
jc-1-277-cdcl3

Sample Name:
jc-1-277-cdcl3
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/jcha/vnmrsys/data
Sample directory:
jc-1-277-cdcl3
FidFile: PROTON01

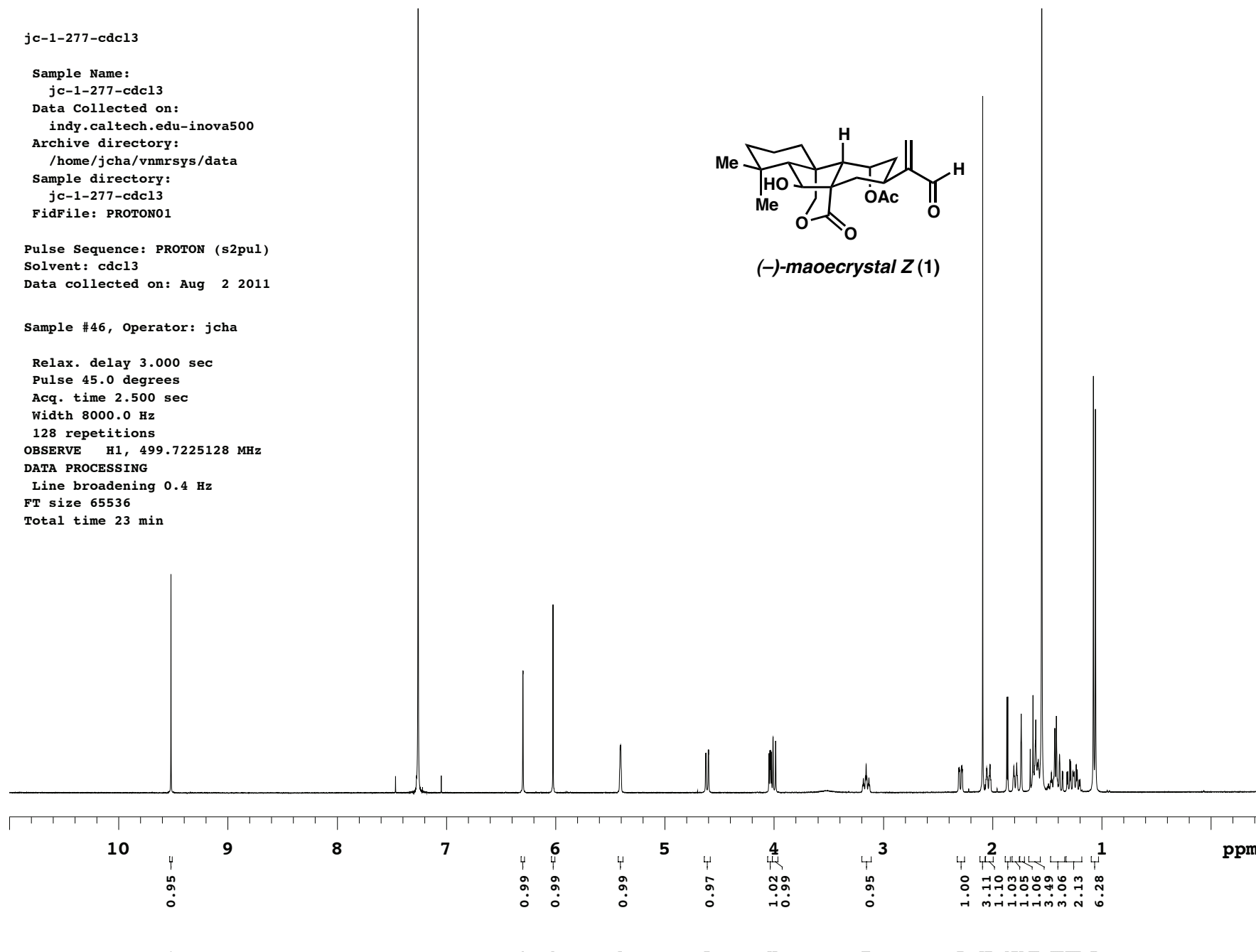
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Aug 2 2011

Sample #46, Operator: jcha

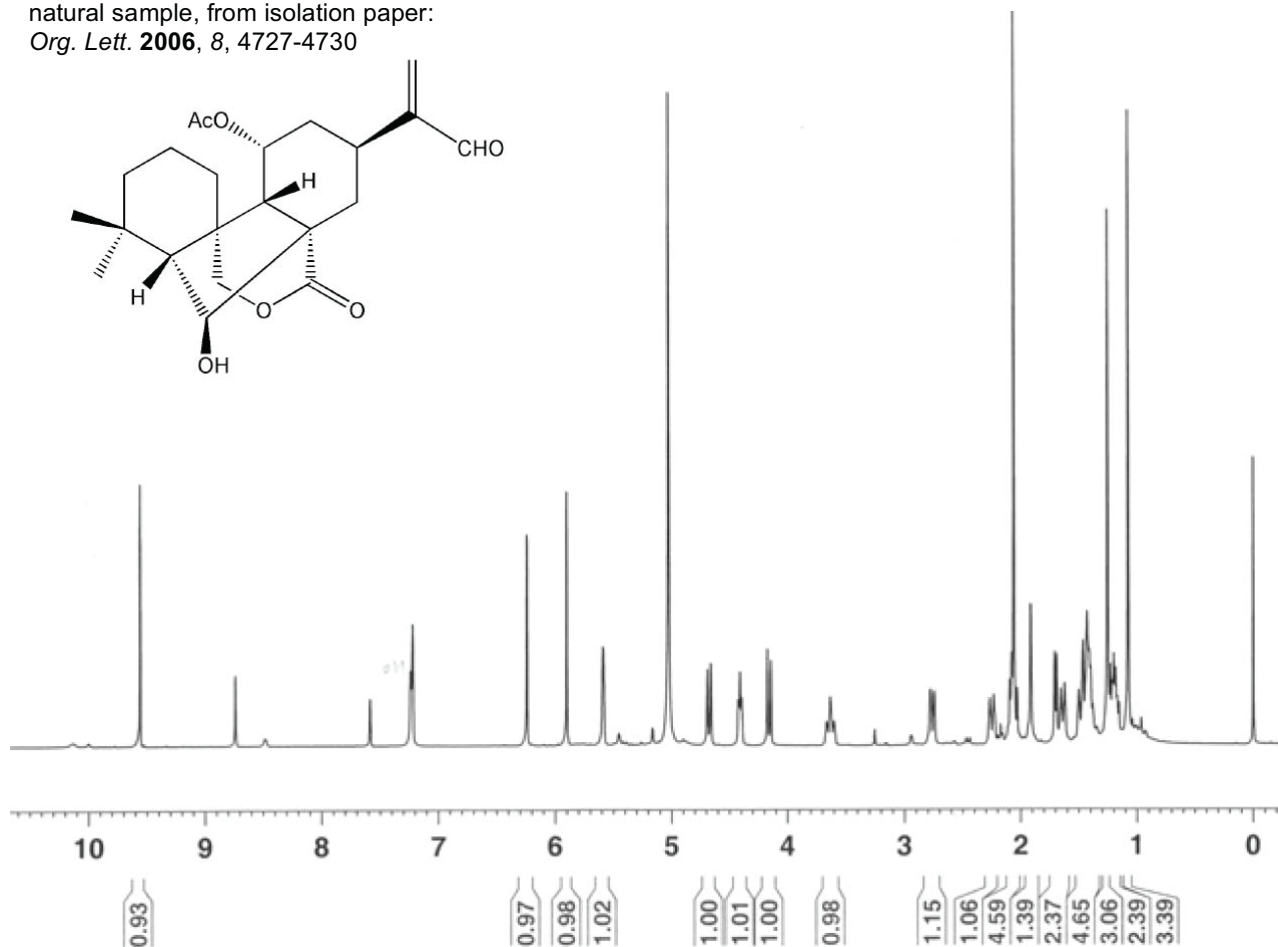
Relax. delay 3.000 sec
Pulse 45.0 degrees
Acq. time 2.500 sec
Width 8000.0 Hz
128 repetitions
OBSERVE H1, 499.7225128 MHz
DATA PROCESSING
Line broadening 0.4 Hz
FT size 65536
Total time 23 min



(-)-maoecrystal Z (1)

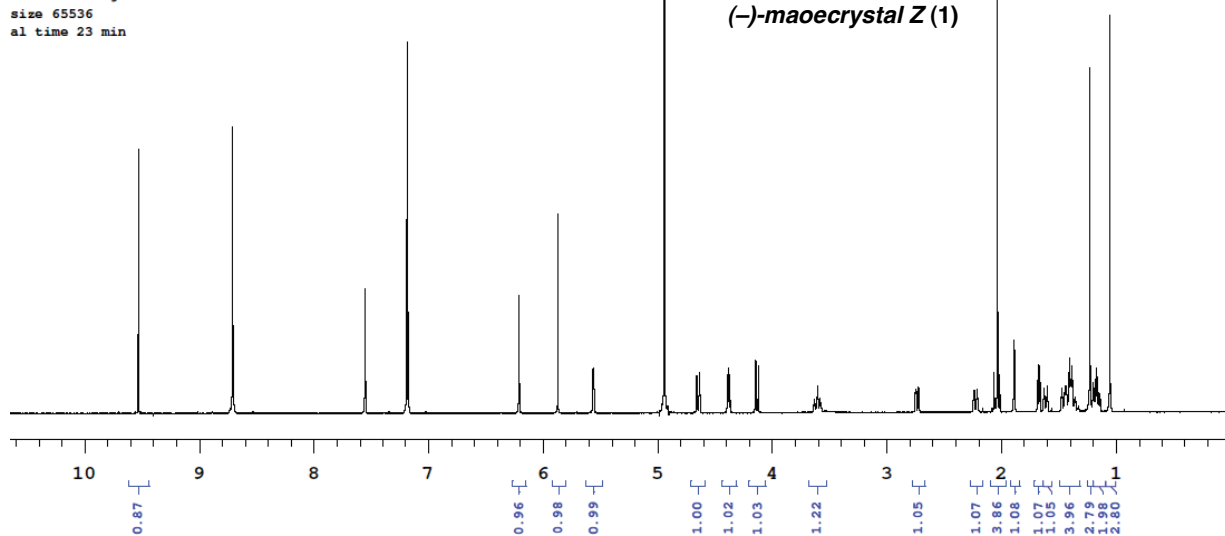
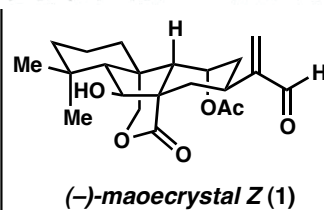


natural sample, from isolation paper:
Org. Lett. **2006**, 8, 4727-4730



pie #40, operator: jona
 lax. delay 3.000 sec
 lse 45.0 degrees
 q. time 2.500 sec
 dth 8000.0 Hz
 8 repetitions
 ERVE H1, 499.7217632 MHz
 A PROCESSING
 ne broadening 0.2 Hz
 size 65536
 al time 23 min

synthetic sample



jtsy-viii-101

Sample Name:

jtsy-viii-101

Data Collected on:

indy.caltech.edu-inova500

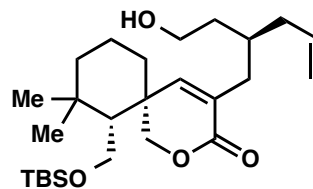
Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-viii-101

FidFile: PROTON01



SI-4

Pulse Sequence: PROTON (s2pul)

Solvent: cdcl3

Data collected on: May 31 2012

Sample #13, Operator: yeomanjo

Relax. delay 10.000 sec

Pulse 45.0 degrees

Acq. time 2.500 sec

Width 8000.0 Hz

8 repetitions

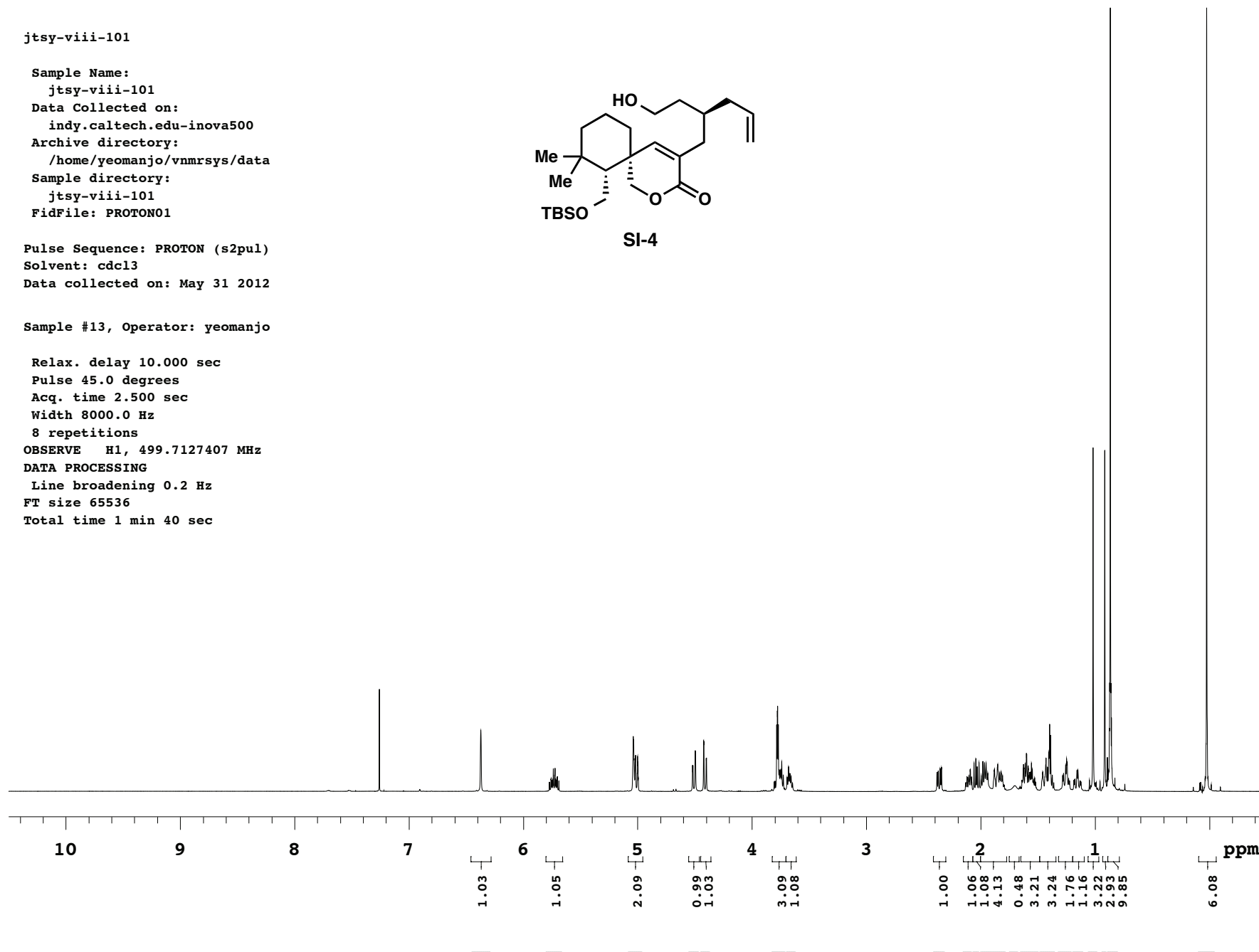
OBSERVE H1, 499.7127407 MHz

DATA PROCESSING

Line broadening 0.2 Hz

FT size 65536

Total time 1 min 40 sec



jtsy-viii-101

Sample Name:

jtsy-viii-101

Data Collected on:

indy.caltech.edu-inova500

Archive directory:

/home/yeomanjo/vnmrsys/data

Sample directory:

jtsy-viii-101

FidFile: CARBON01

Pulse Sequence: CARBON (s2pul)

Solvent: cdcl3

Data collected on: May 31 2012

Sample #13, Operator: yeomanjo

Relax. delay 1.000 sec

Pulse 45.0 degrees

Acq. time 1.042 sec

Width 31446.5 Hz

512 repetitions

OBSERVE C13, 125.6528709 MHz

DECOUPLE H1, 499.7152303 MHz

Power 39 dB

continuously on

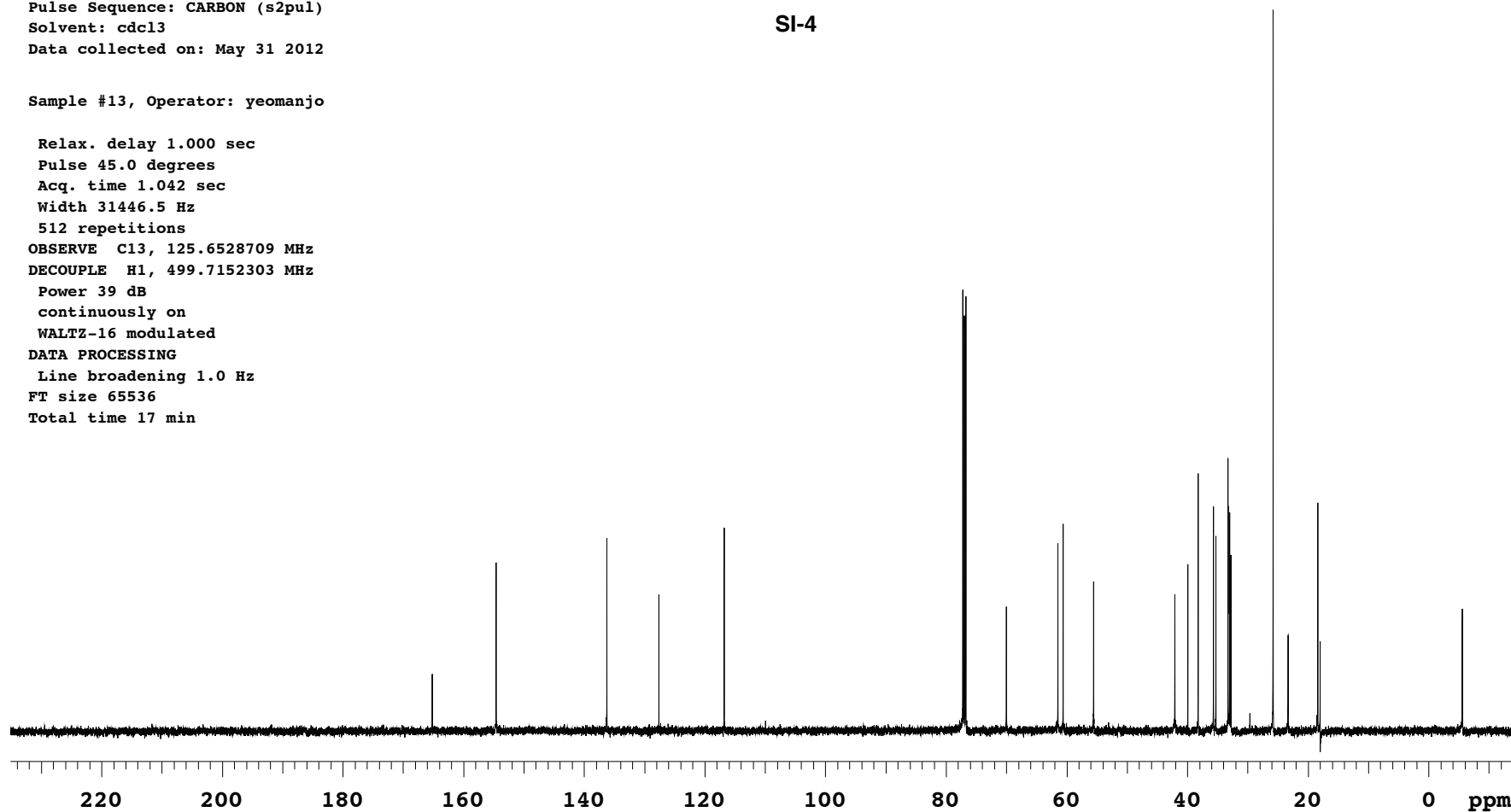
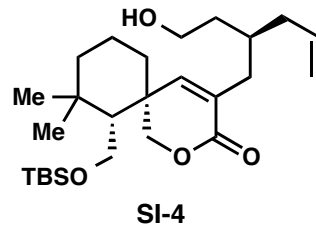
WALTZ-16 modulated

DATA PROCESSING

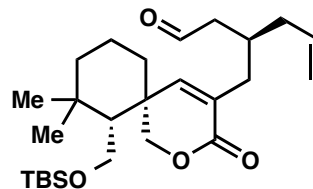
Line broadening 1.0 Hz

FT size 65536

Total time 17 min



Sample Name:
 jtsy-viii-097
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-viii-097
 FidFile: PROTON01

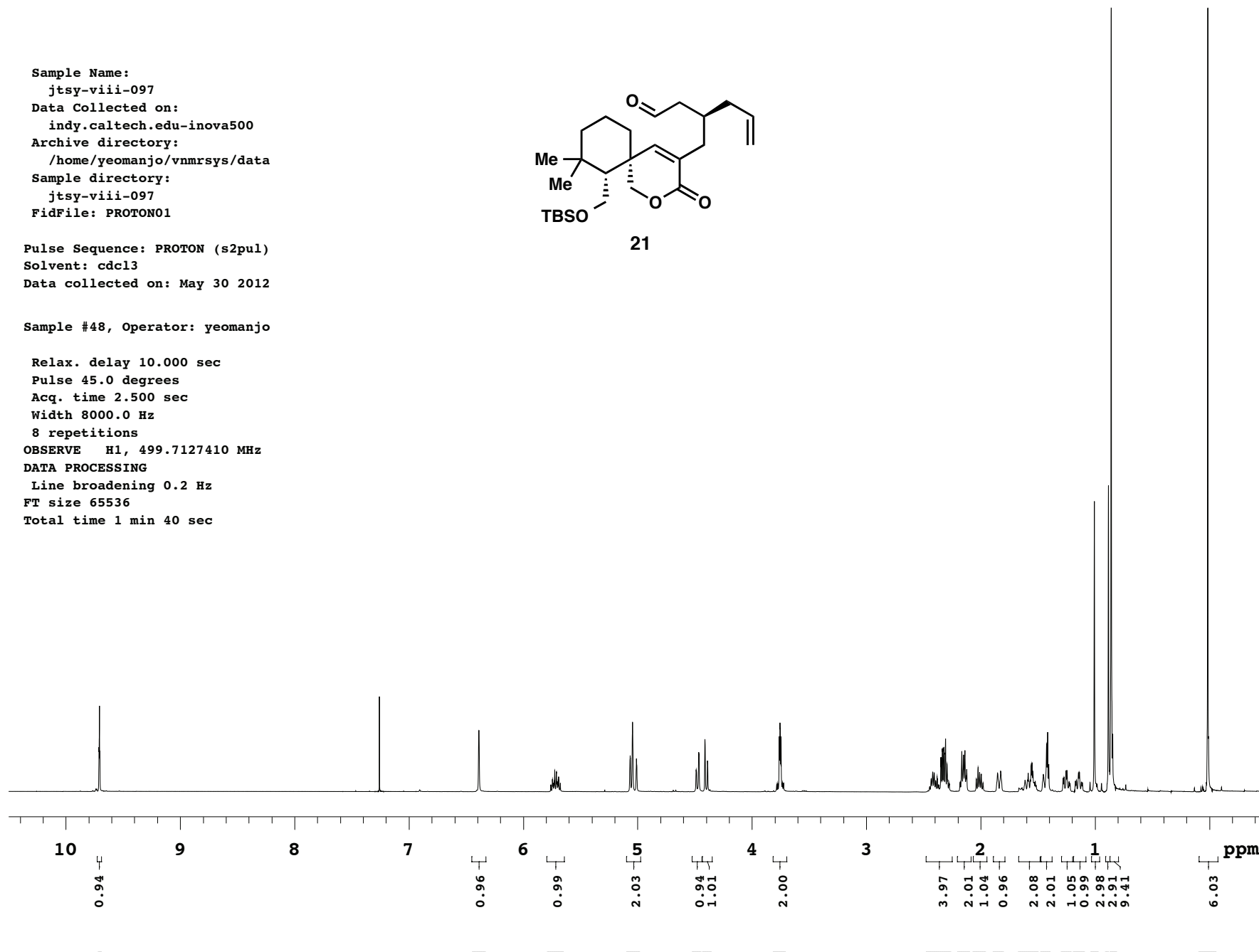


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Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: May 30 2012

Sample #48, Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 2.500 sec
 Width 8000.0 Hz
 8 repetitions
 OBSERVE H1, 499.7127410 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 65536
 Total time 1 min 40 sec

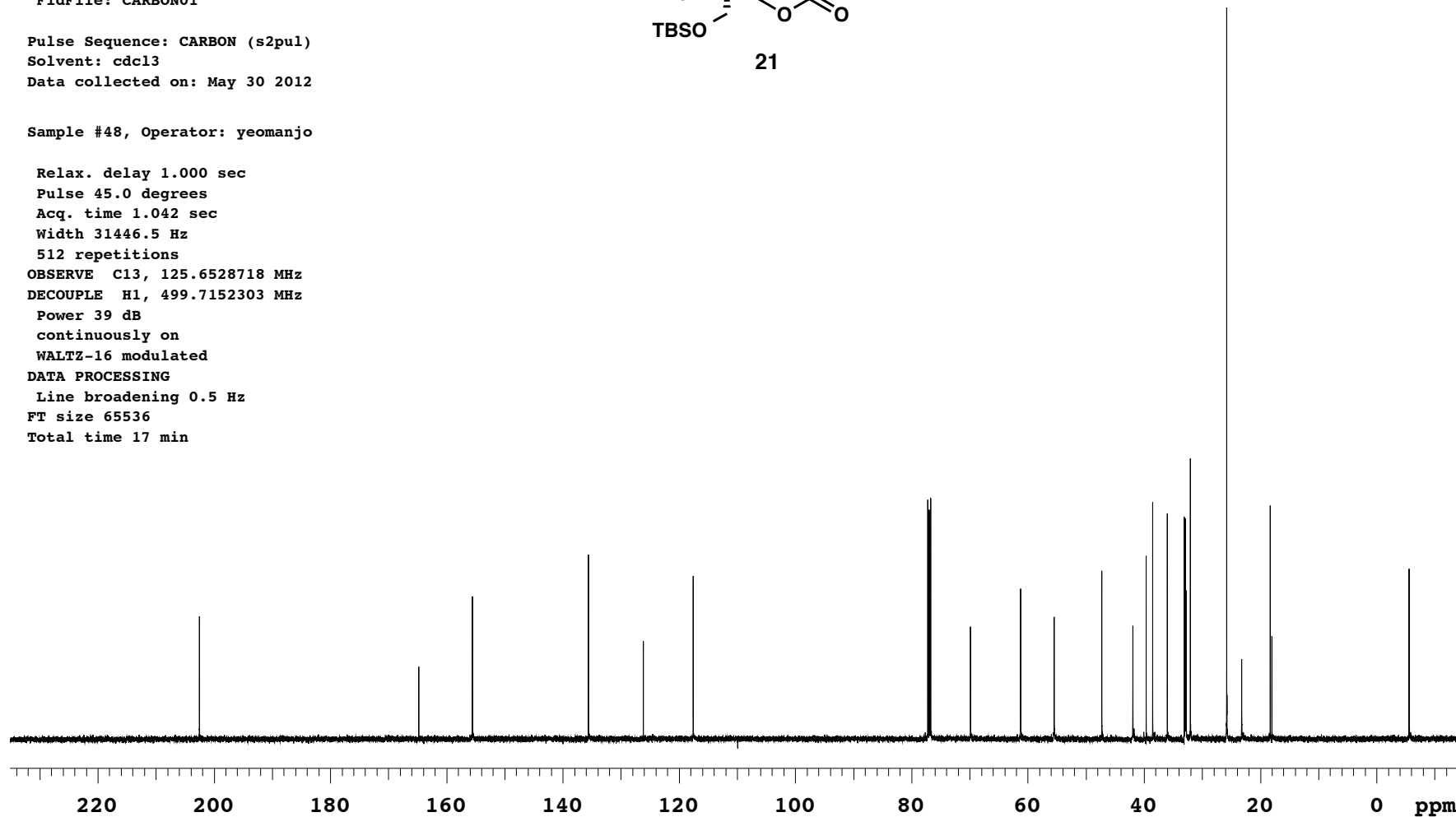
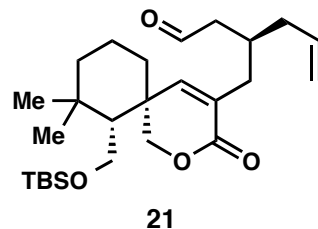


Sample Name:
jtsy-viii-097
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-viii-097
FidFile: CARBON01

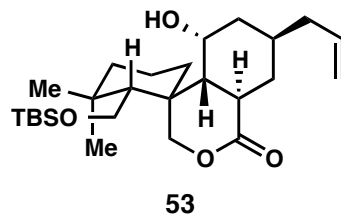
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 30 2012

Sample #48, Operator: yeomanjo

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
512 repetitions
OBSERVE C13, 125.6528718 MHz
DECOUPLE H1, 499.7152303 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 17 min



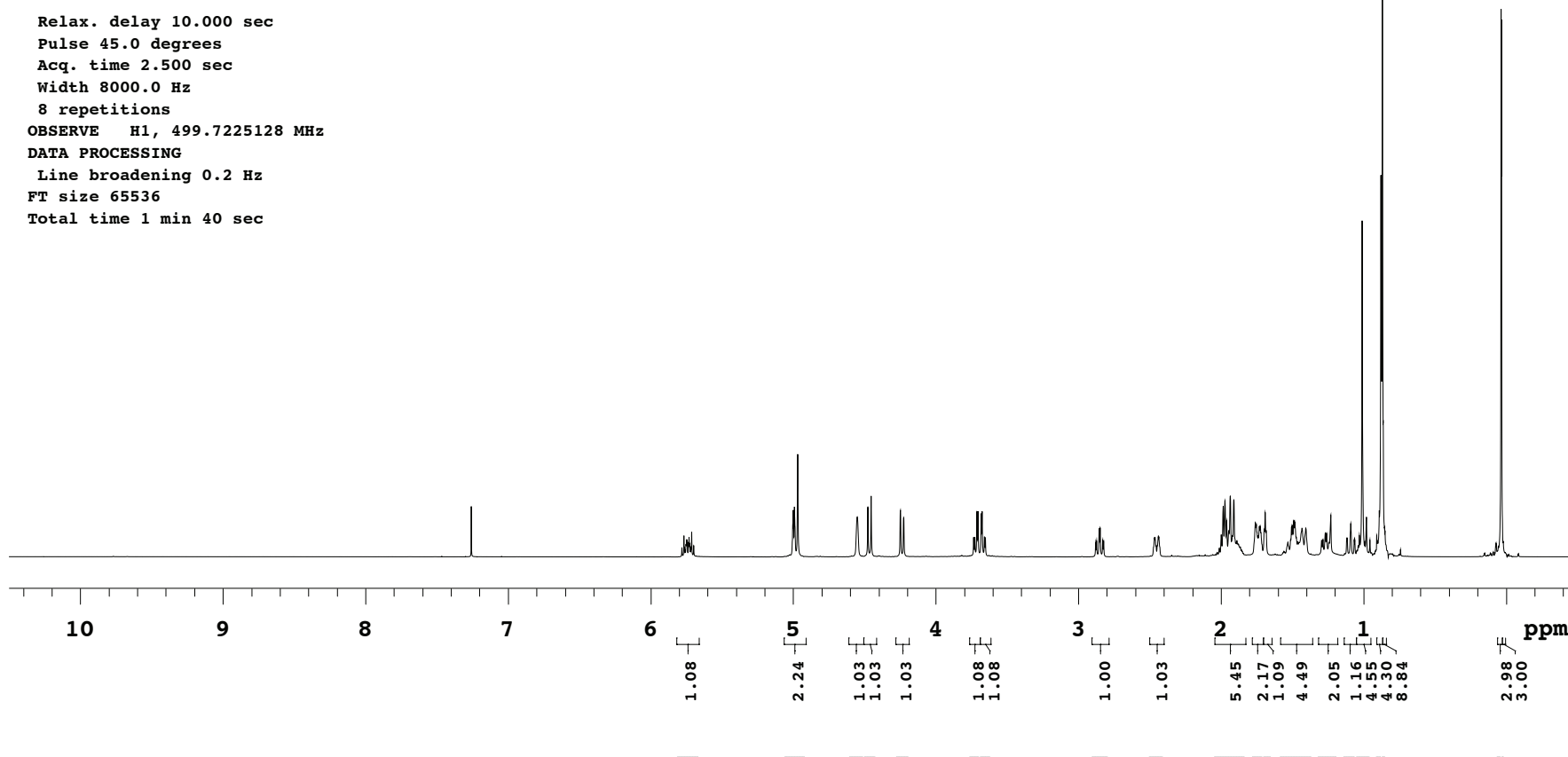
Sample Name:
 jtsy-vii-089char
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-vii-089char
 FidFile: PROTON01



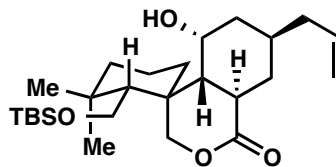
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Mar 15 2012

Sample #20, Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 2.500 sec
 Width 8000.0 Hz
 8 repetitions
 OBSERVE H1, 499.7225128 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 65536
 Total time 1 min 40 sec



Sample Name:
 jtsy-vii-089char
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-vii-089char
 FidFile: CARBON01

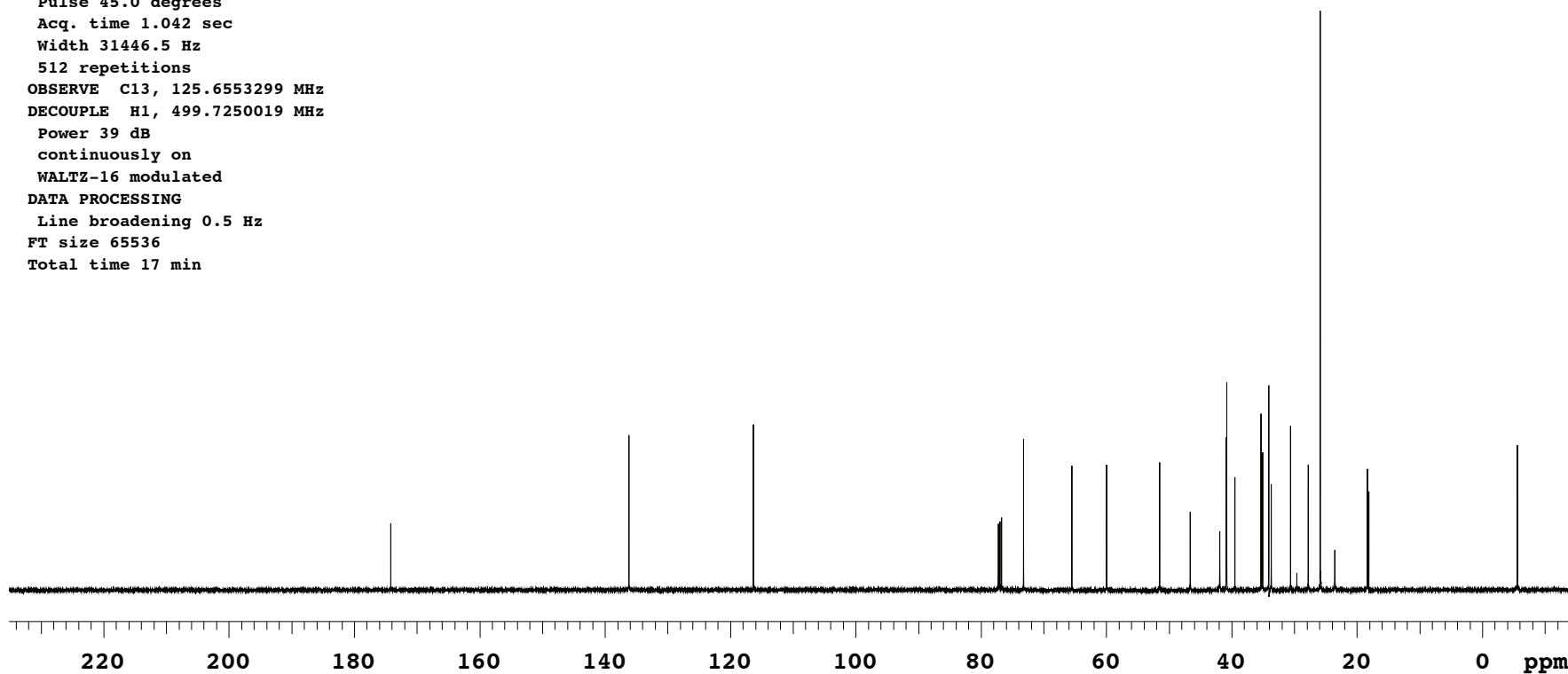


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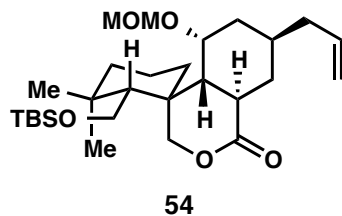
Pulse Sequence: CARBON (s2pul)
 Solvent: cdcl3
 Data collected on: Mar 15 2012

Sample #20, Operator: yeomanjo

Relax. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 1.042 sec
 Width 31446.5 Hz
 512 repetitions
 OBSERVE C13, 125.6553299 MHz
 DECOUPLE H1, 499.7250019 MHz
 Power 39 dB
 continuously on
 WALTZ-16 modulated
 DATA PROCESSING
 Line broadening 0.5 Hz
 FT size 65536
 Total time 17 min



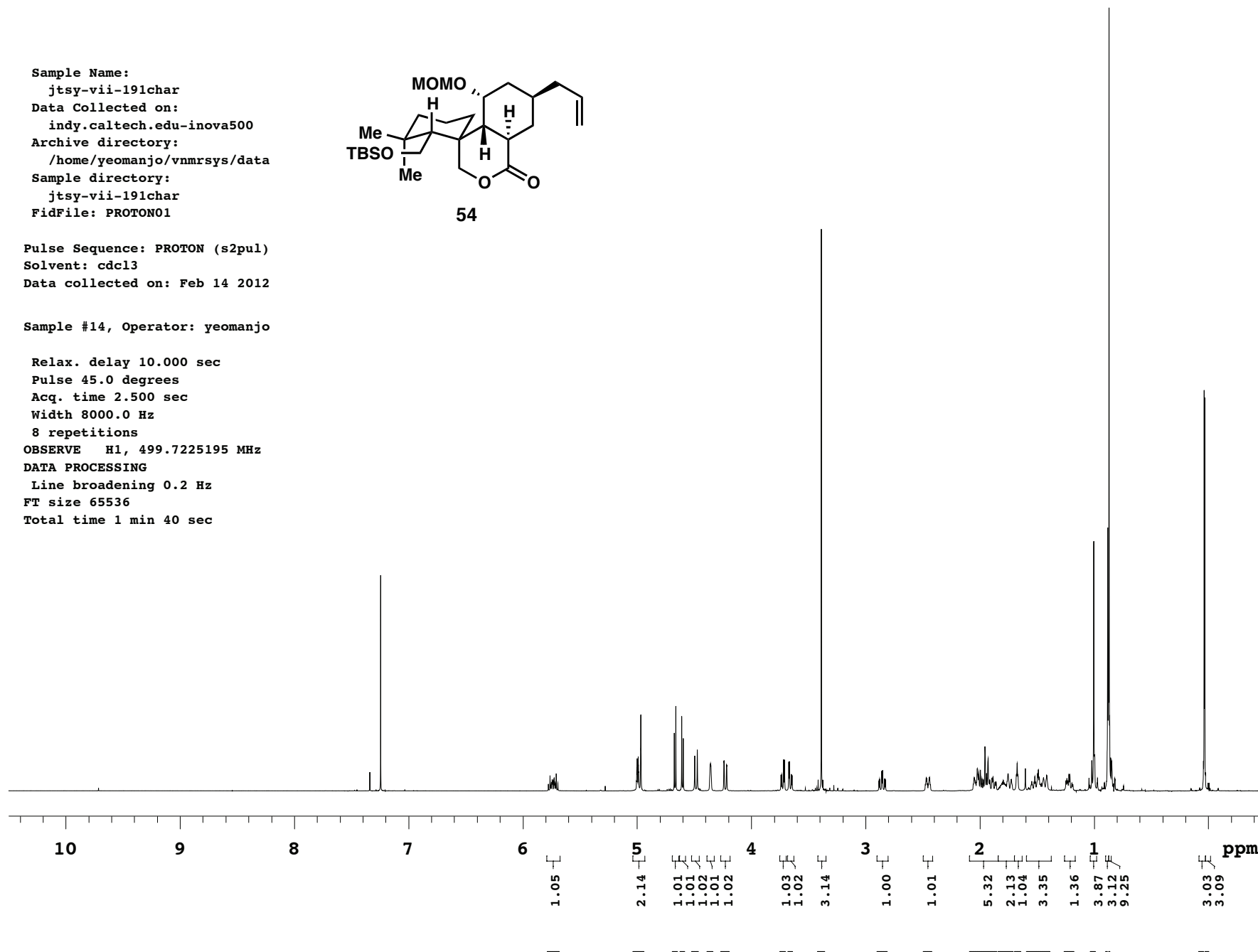
Sample Name:
 jtsy-vii-191char
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-vii-191char
 FidFile: PROTON01



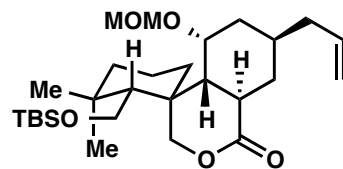
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Feb 14 2012

Sample #14, Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 2.500 sec
 Width 8000.0 Hz
 8 repetitions
 OBSERVE H1, 499.7225195 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 65536
 Total time 1 min 40 sec



Sample Name:
jtsy-vii-191char
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-vii-191char
FidFile: CARBON01

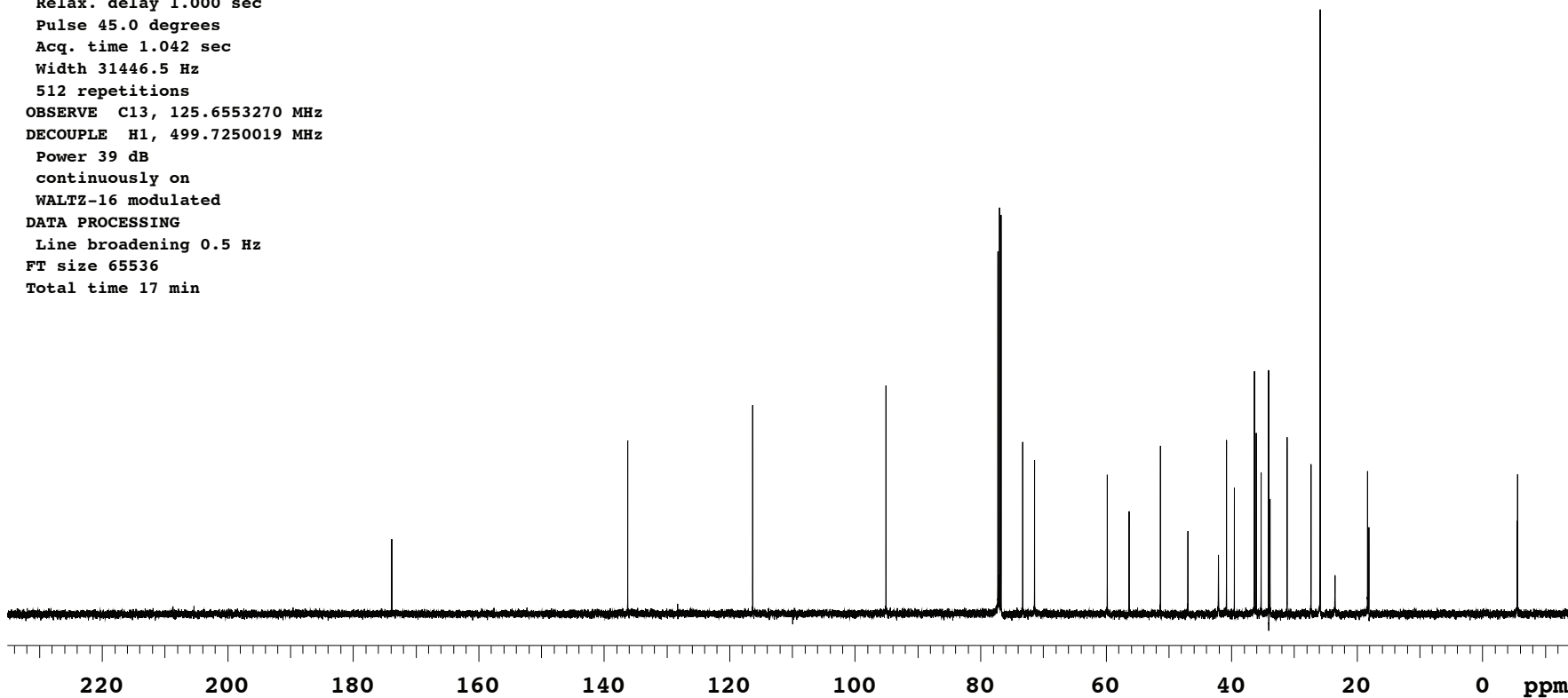


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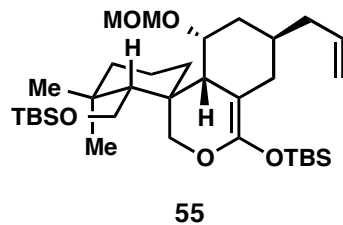
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 14 2012

Sample #14, Operator: yeomanjo

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
512 repetitions
OBSERVE C13, 125.6553270 MHz
DECOUPLE H1, 499.7250019 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 17 min



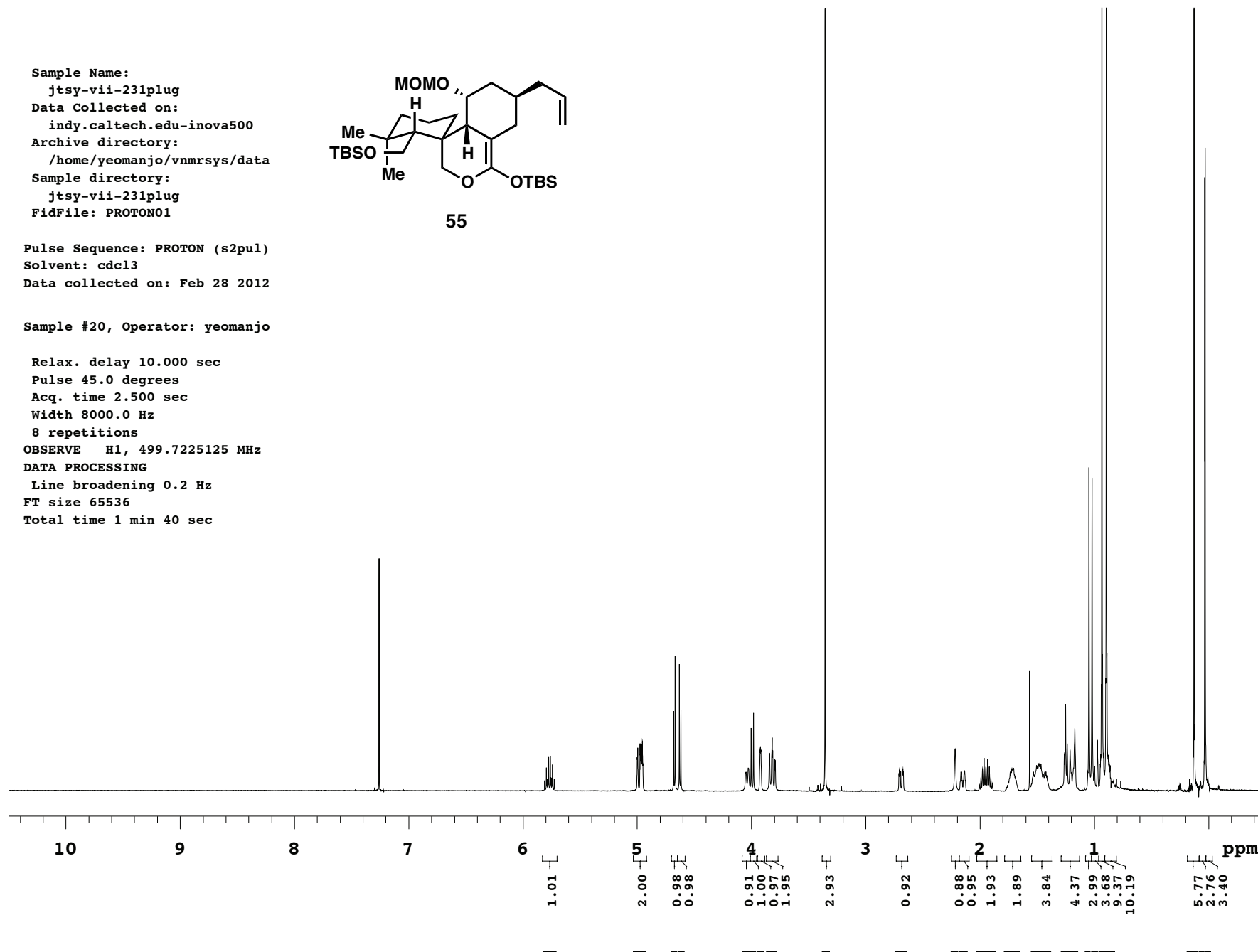
Sample Name:
 jtsy-vii-231plug
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-vii-231plug
 FidFile: PROTON01



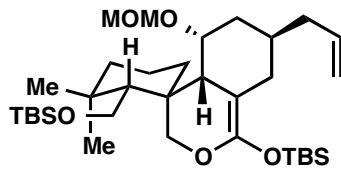
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Feb 28 2012

Sample #20, Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 2.500 sec
 Width 8000.0 Hz
 8 repetitions
 OBSERVE H1, 499.7225125 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 65536
 Total time 1 min 40 sec



Sample Name:
 jtsy-vii-231plug
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-vii-231plug
 FidFile: CARBON01

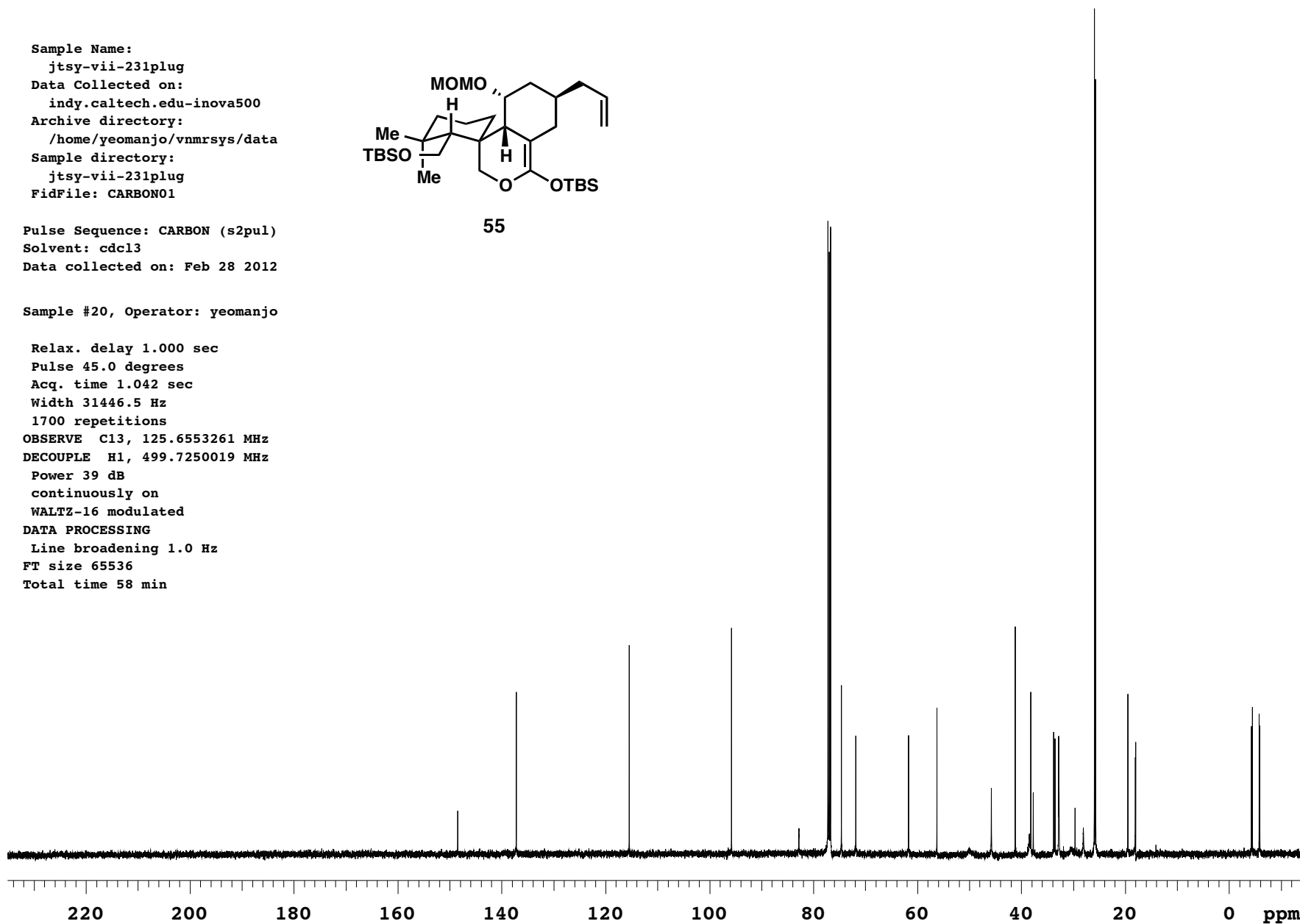


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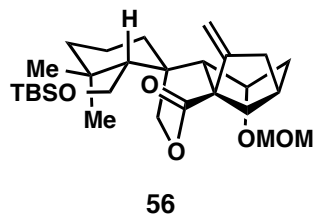
Pulse Sequence: CARBON (s2pul)
 Solvent: cdcl3
 Data collected on: Feb 28 2012

Sample #20, Operator: yeomanjo

Relax. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 1.042 sec
 Width 31446.5 Hz
 1700 repetitions
 OBSERVE C13, 125.6553261 MHz
 DECOUPLE H1, 499.7250019 MHz
 Power 39 dB
 continuously on
 WALTZ-16 modulated
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 65536
 Total time 58 min



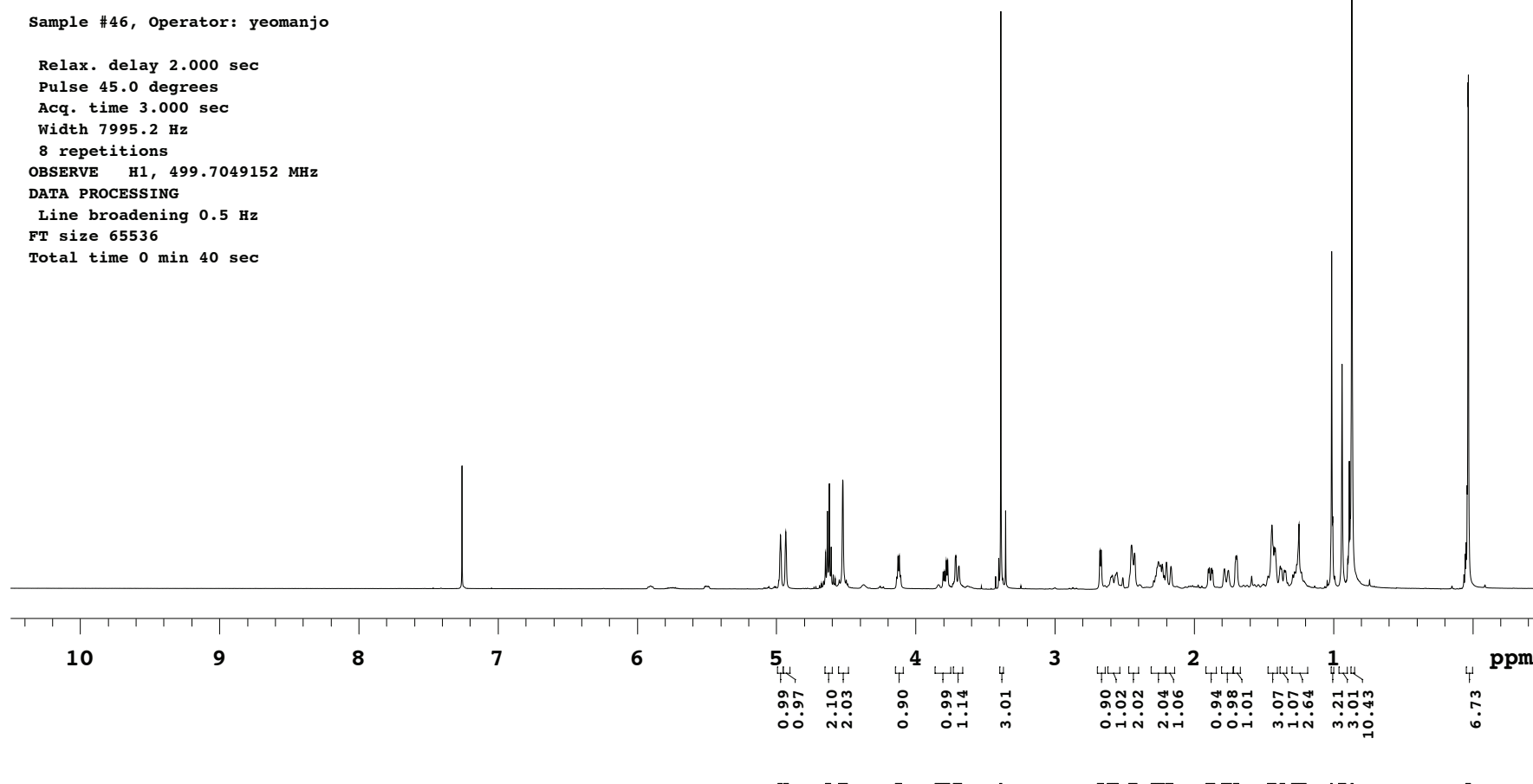
Sample Name:
 jtsy-ix-081B-f23-39
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-ix-081B-f23-39
 FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Jan 23 2013

Sample #46, Operator: yeomanjo

Relax. delay 2.000 sec
 Pulse 45.0 degrees
 Acq. time 3.000 sec
 Width 7995.2 Hz
 8 repetitions
 OBSERVE H1, 499.7049152 MHz
 DATA PROCESSING
 Line broadening 0.5 Hz
 FT size 65536
 Total time 0 min 40 sec



Sample Name:
jtsy-vii-125
Data Collected on:
daytona.caltech.edu-inova500
Archive directory:

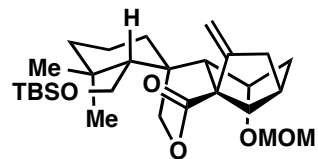
Sample directory:

FidFile: jtsy-vii-125-c13

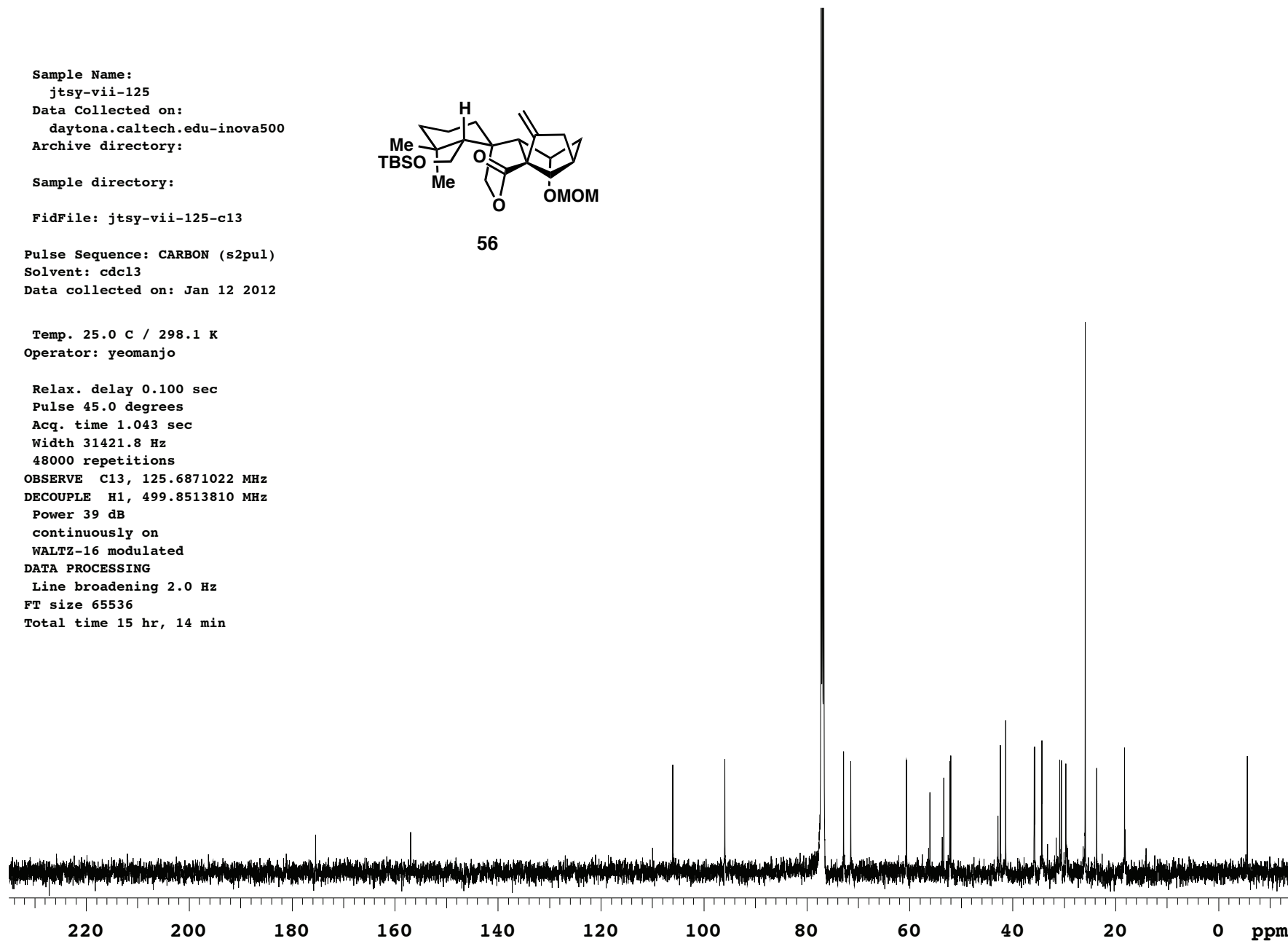
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 12 2012

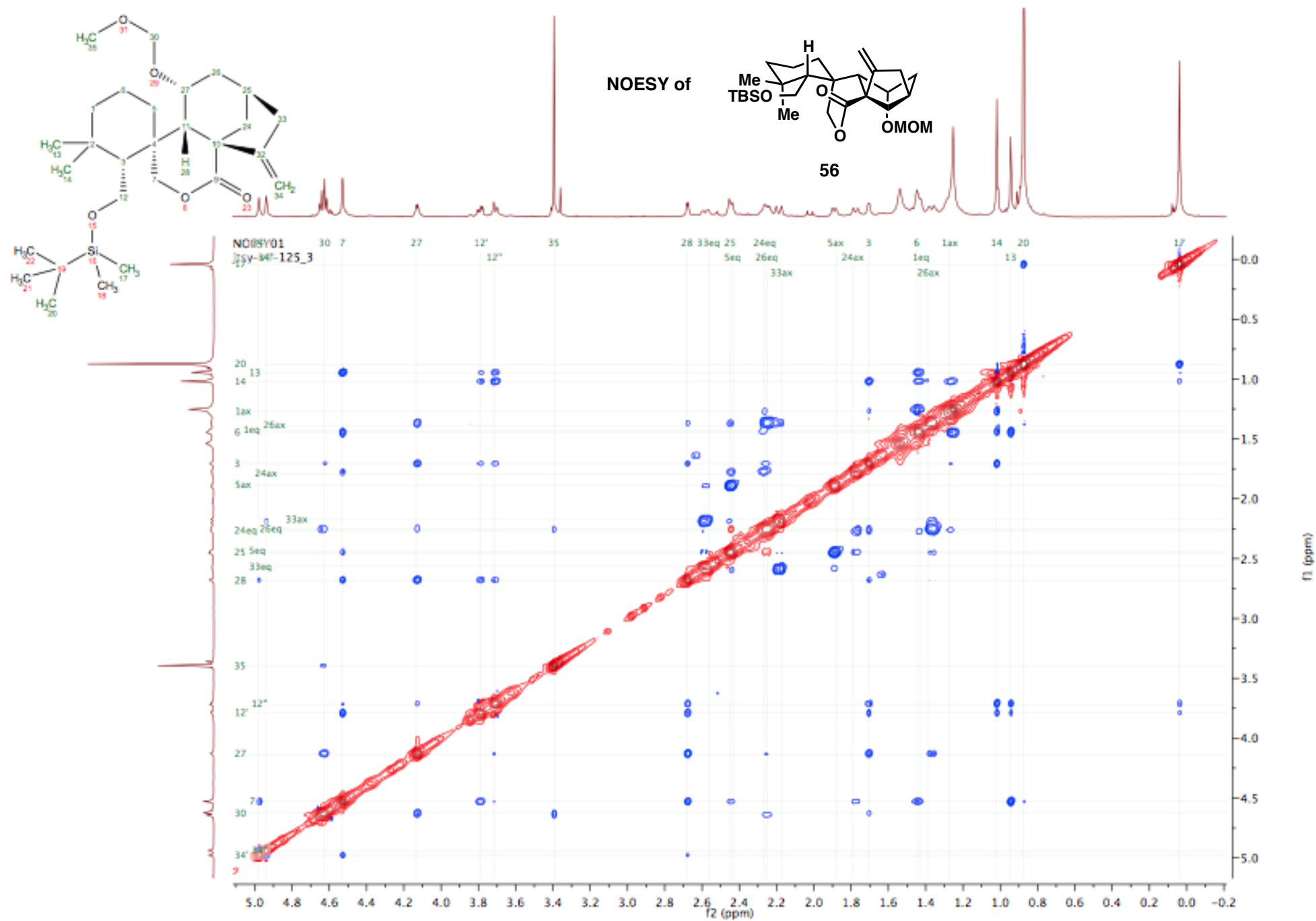
Temp. 25.0 C / 298.1 K
Operator: yeomanjo

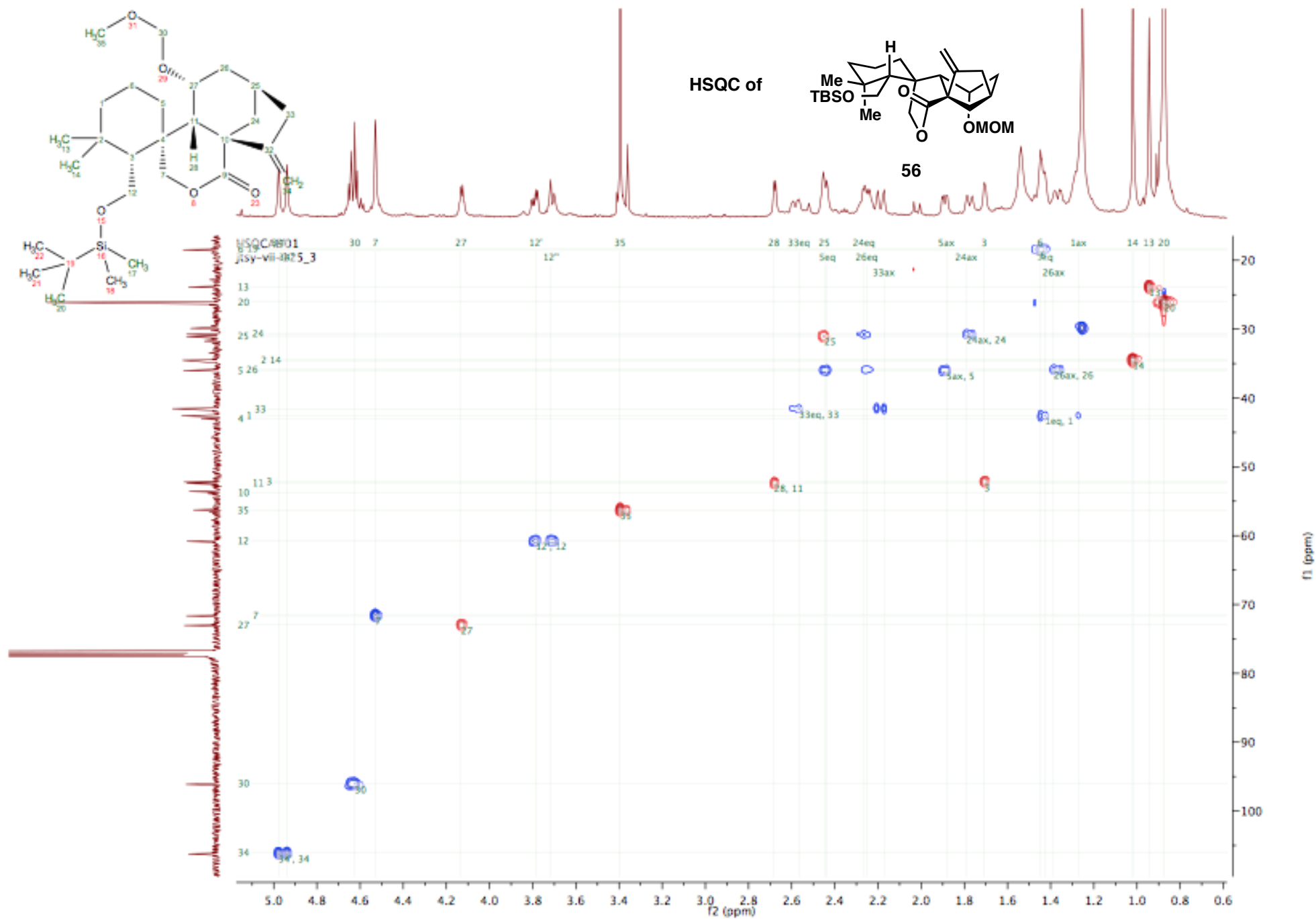
Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.043 sec
Width 31421.8 Hz
48000 repetitions
OBSERVE C13, 125.6871022 MHz
DECOUPLE H1, 499.8513810 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
FT size 65536
Total time 15 hr, 14 min

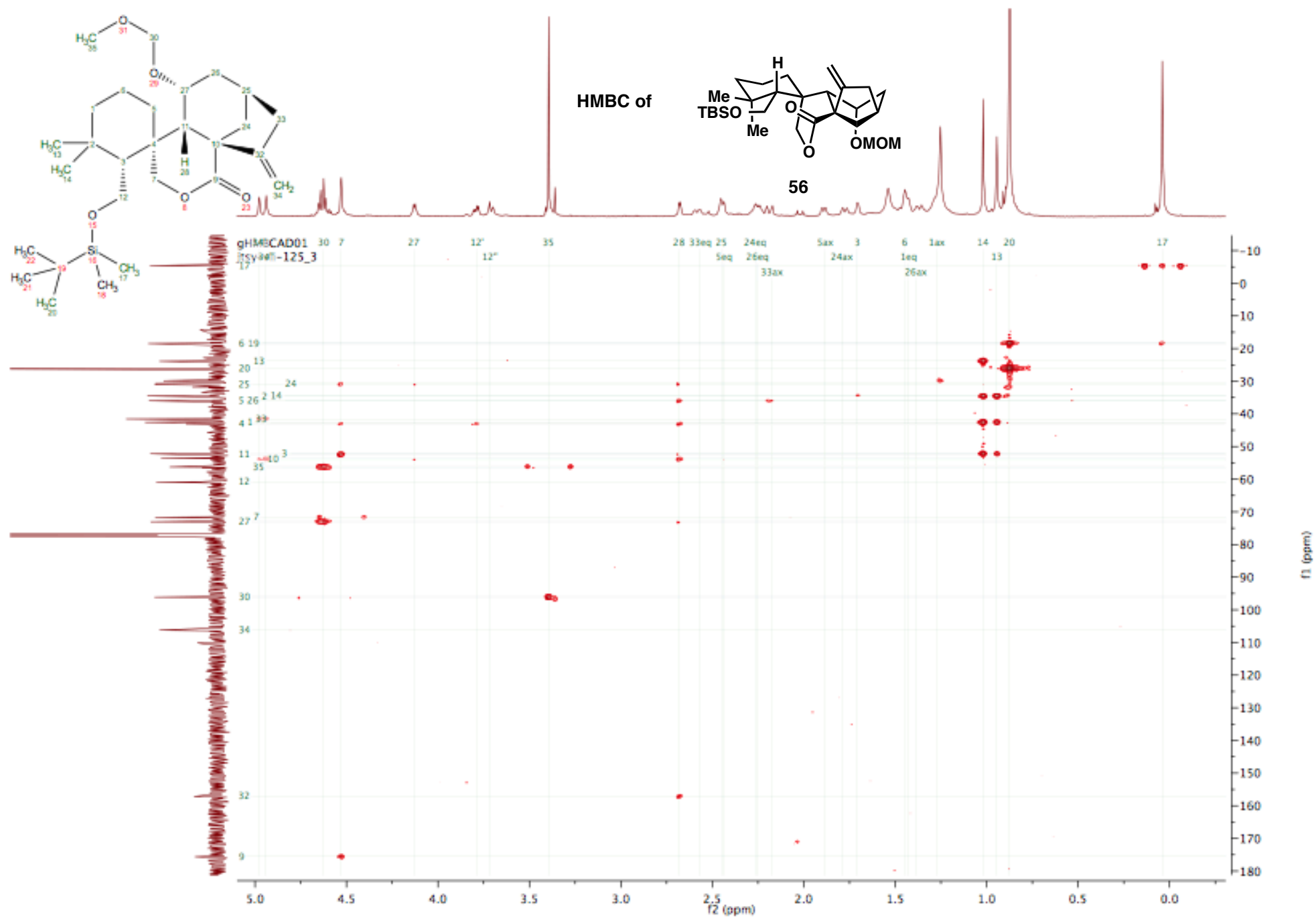


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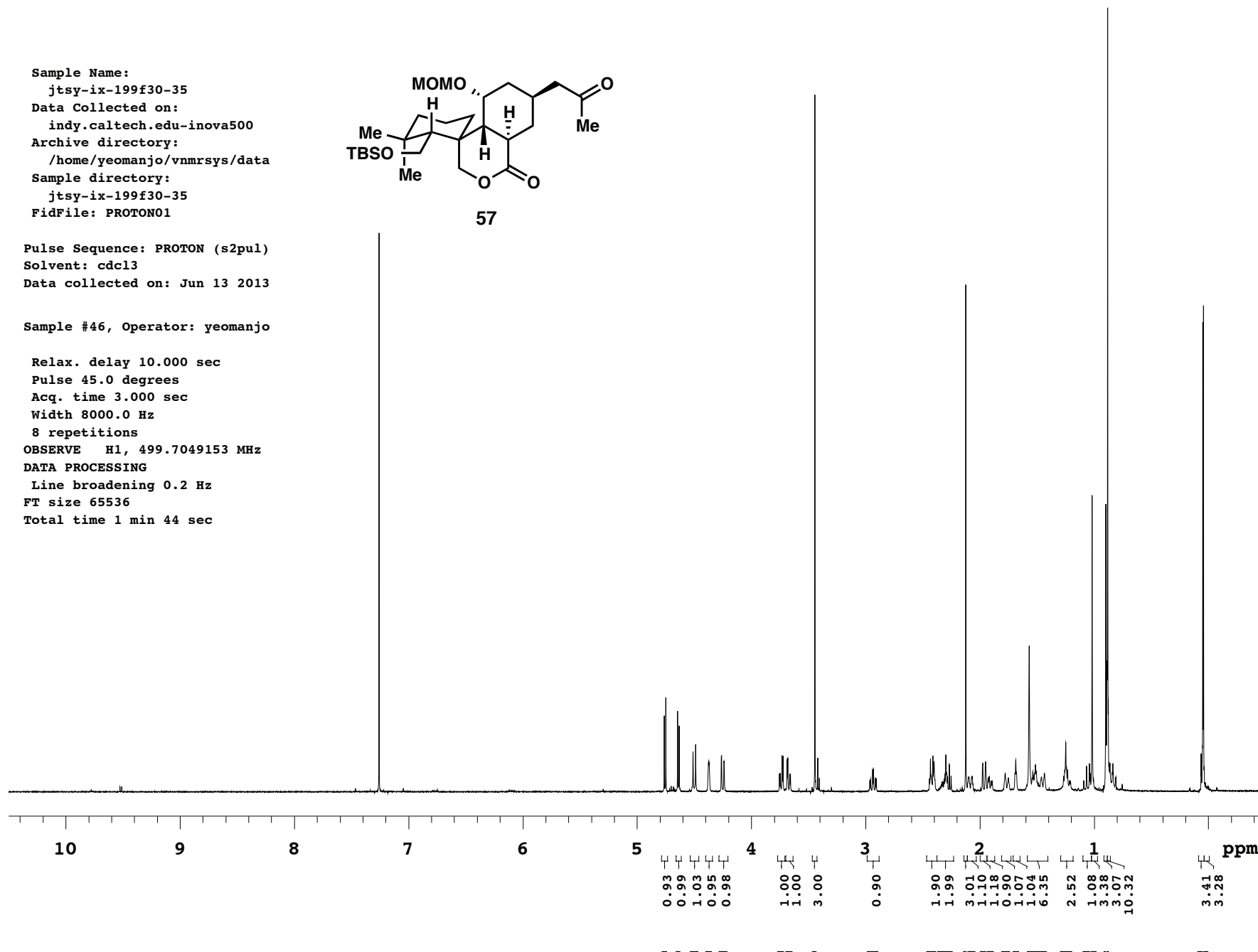
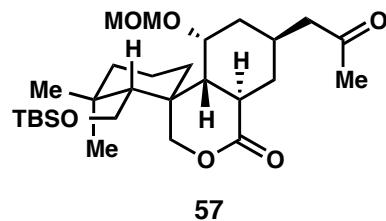


Sample Name:
jtsy-ix-199f30-35
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-199f30-35
FidFile: PROTON01

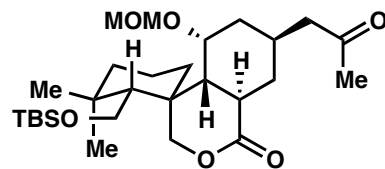
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 13 2013

Sample #46, Operator: yeomanjo

Relax. delay 10.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7049153 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min 44 sec



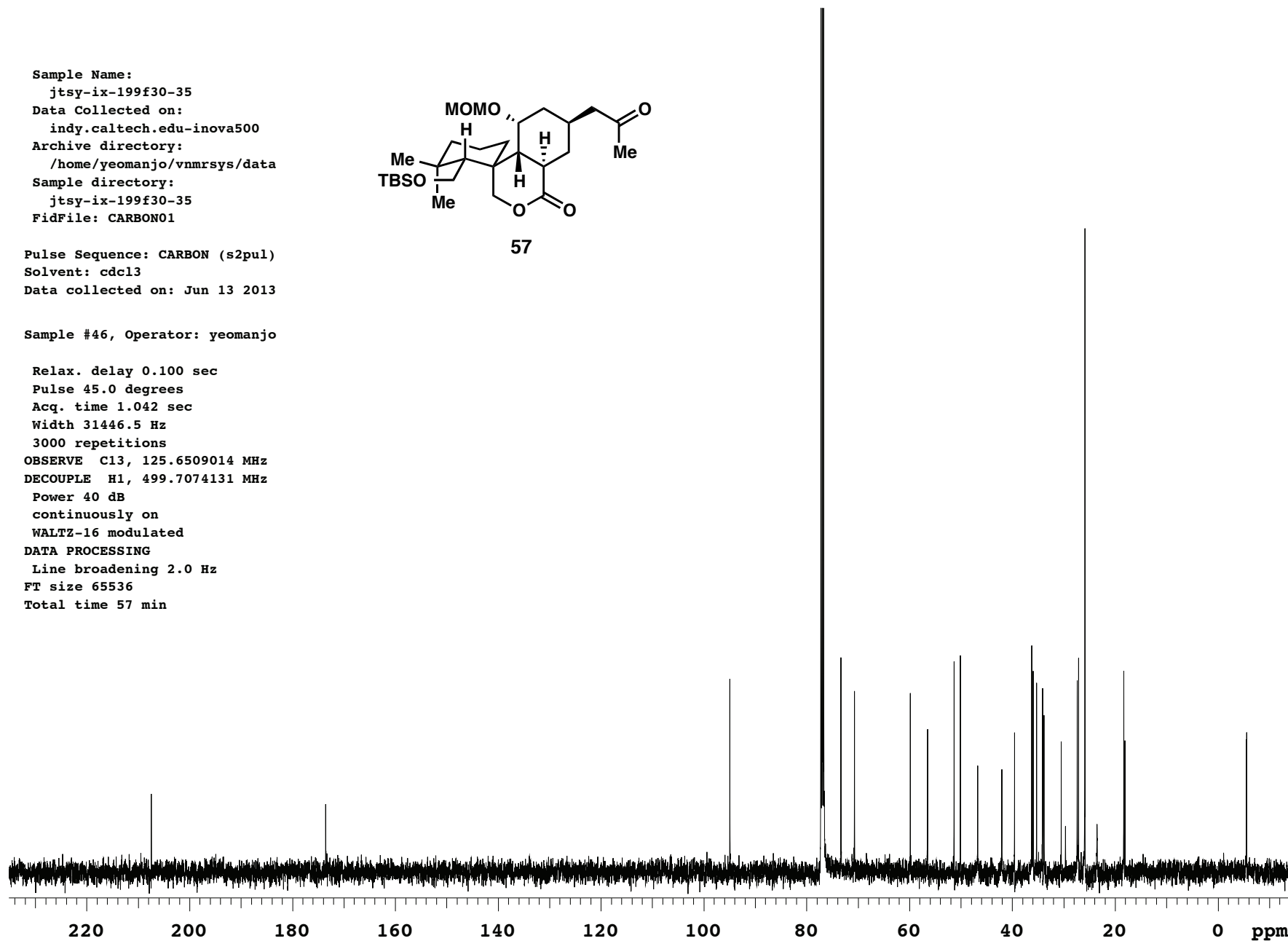
Sample Name:
jtsy-ix-199f30-35
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-199f30-35
FidFile: CARBON01



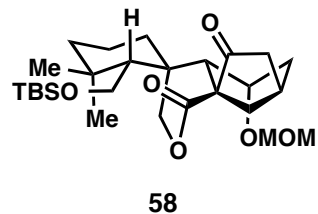
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jun 13 2013

Sample #46, Operator: yeomanjo

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
3000 repetitions
OBSERVE C13, 125.6509014 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
FT size 65536
Total time 57 min



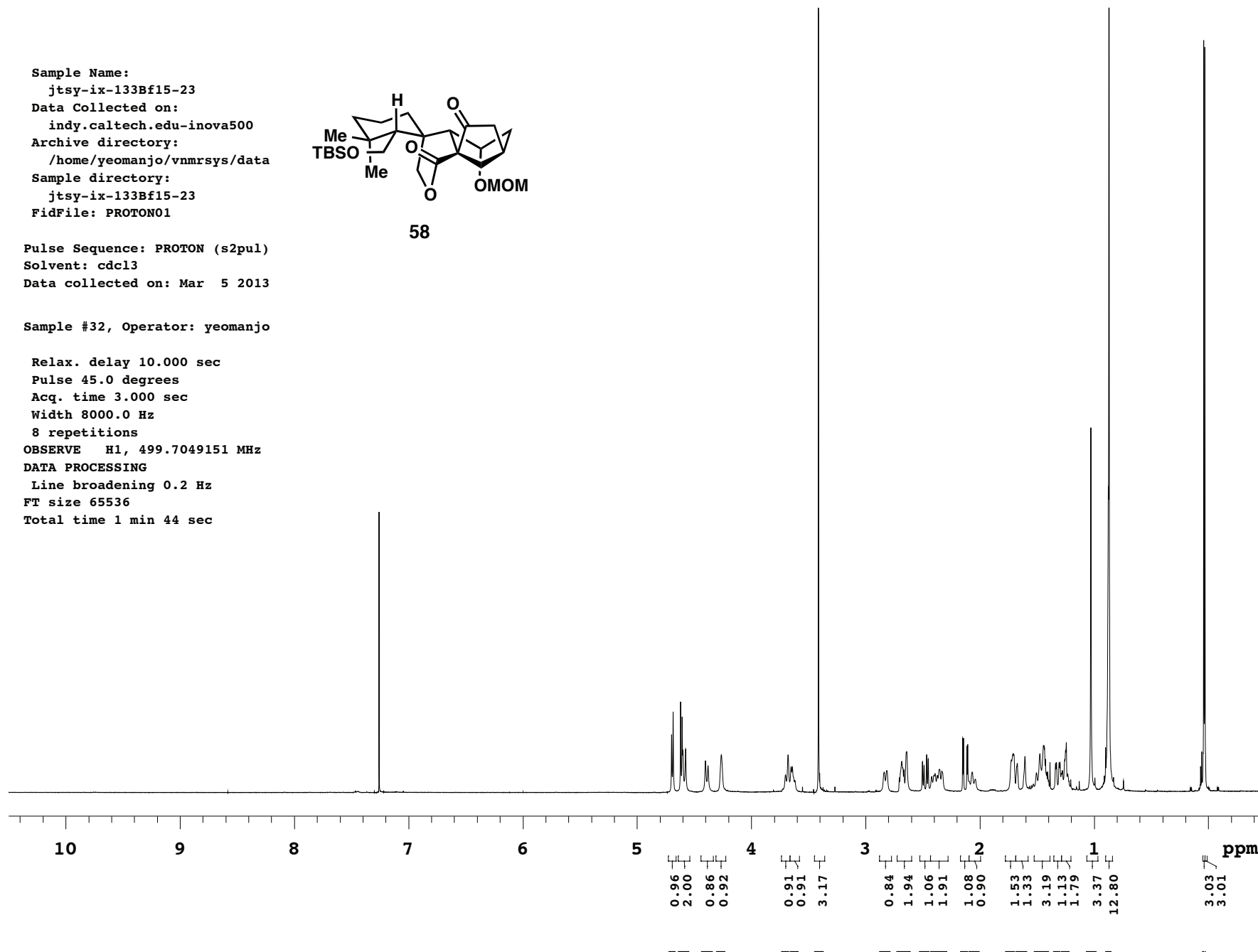
Sample Name:
 jtsy-ix-133Bf15-23
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-ix-133Bf15-23
 FidFile: PROTON01



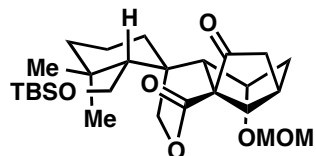
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Mar 5 2013

Sample #32, Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 3.000 sec
 Width 8000.0 Hz
 8 repetitions
 OBSERVE H1, 499.7049151 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 65536
 Total time 1 min 44 sec



Sample Name:
 jtsy-ix-133Bf15-23
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-ix-133Bf15-23
 FidFile: CARBON01

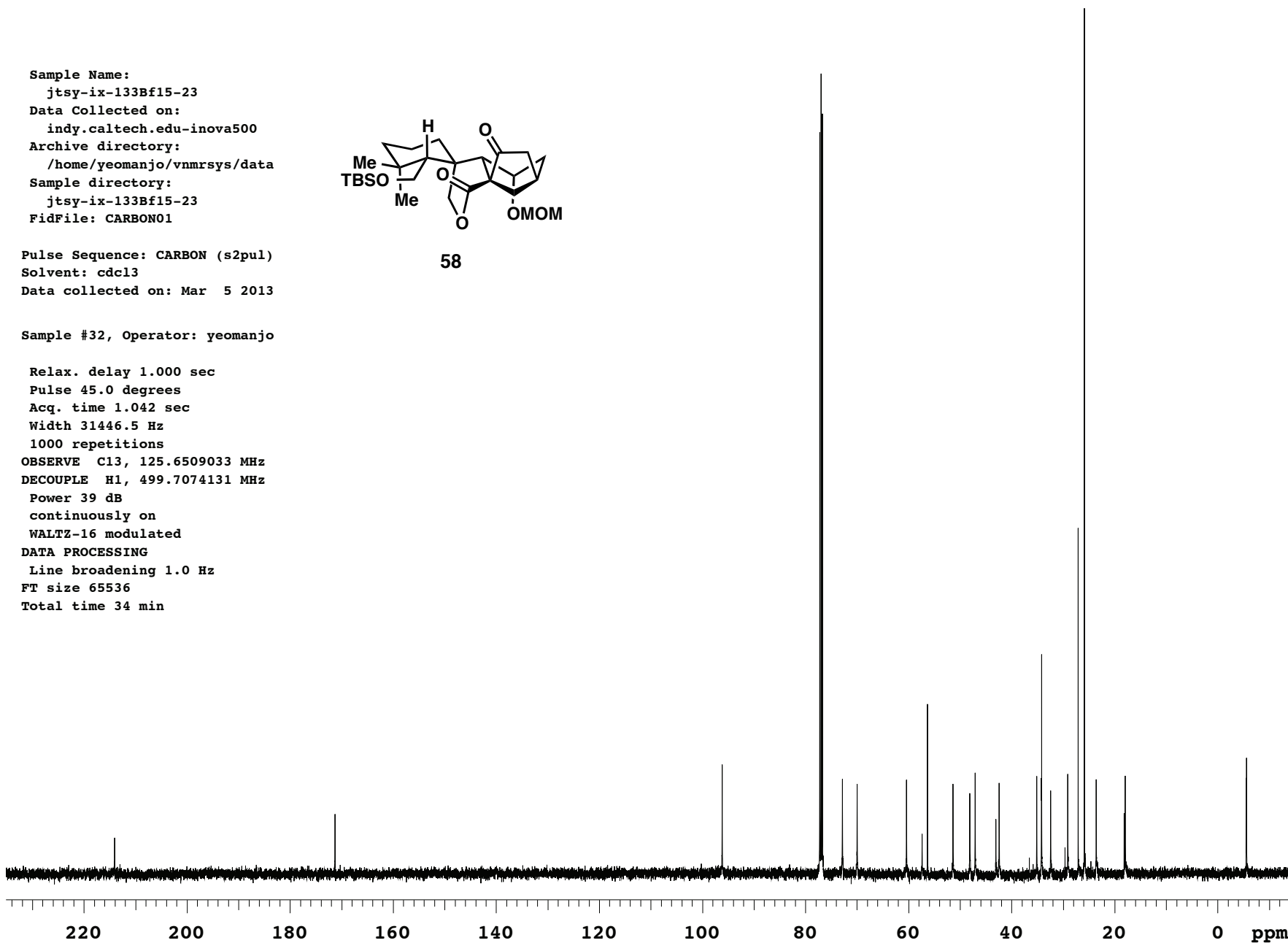


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Pulse Sequence: CARBON (s2pul)
 Solvent: cdcl3
 Data collected on: Mar 5 2013

Sample #32, Operator: yeomanjo

Relax. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 1.042 sec
 Width 31446.5 Hz
 1000 repetitions
 OBSERVE C13, 125.6509033 MHz
 DECOUPLE H1, 499.7074131 MHz
 Power 39 dB
 continuously on
 WALTZ-16 modulated
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 65536
 Total time 34 min

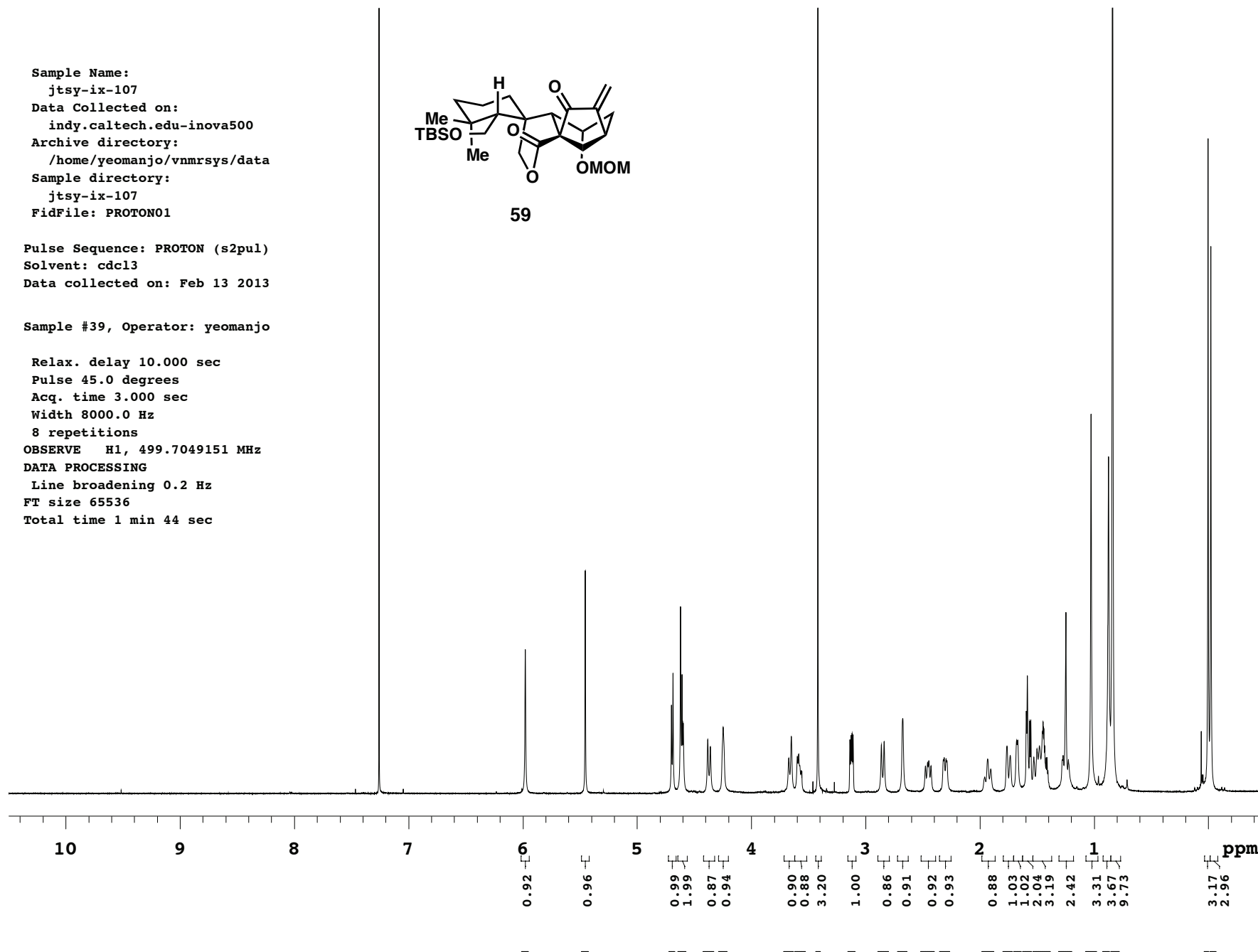
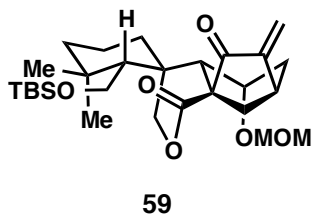


Sample Name:
jtsy-ix-107
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-107
FidFile: PROTON01

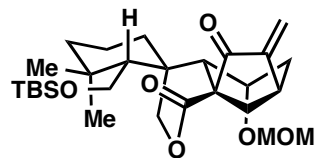
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Feb 13 2013

Sample #39, Operator: yeomanjo

Relax. delay 10.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
8 repetitions
OBSERVE H1, 499.7049151 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 65536
Total time 1 min 44 sec



Sample Name:
jtsy-ix-107
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-107
FidFile: CARBON01

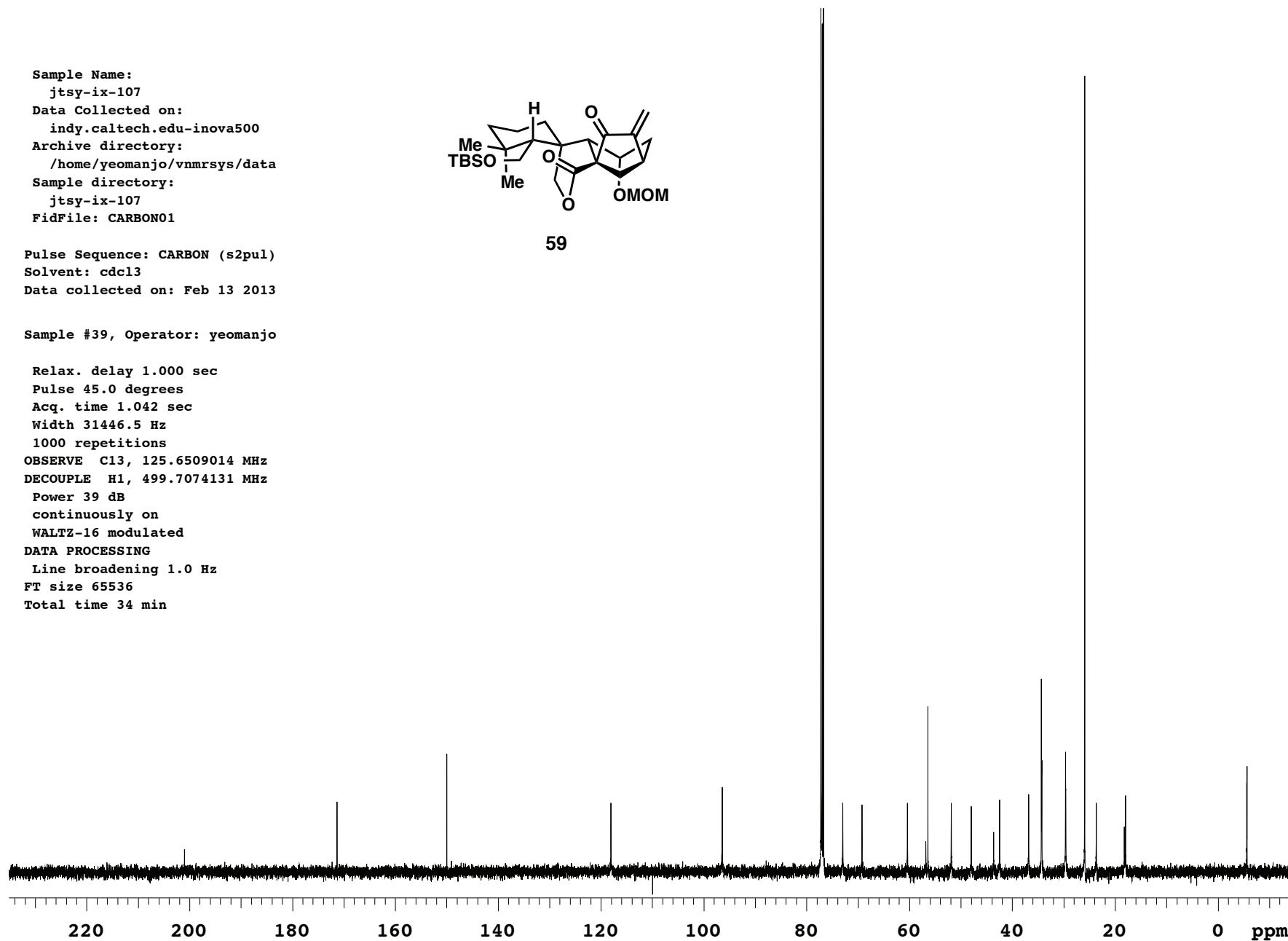


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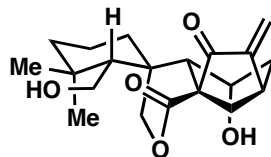
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Feb 13 2013

Sample #39, Operator: yeomanjo

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6509014 MHz
DECOUPLE H1, 499.7074131 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 34 min



Sample Name:
 jtsy-ix-115f16-35
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/yeomanjo/vnmrsys/data
 Sample directory:
 jtsy-ix-115f16-35
 FidFile: PROTON01

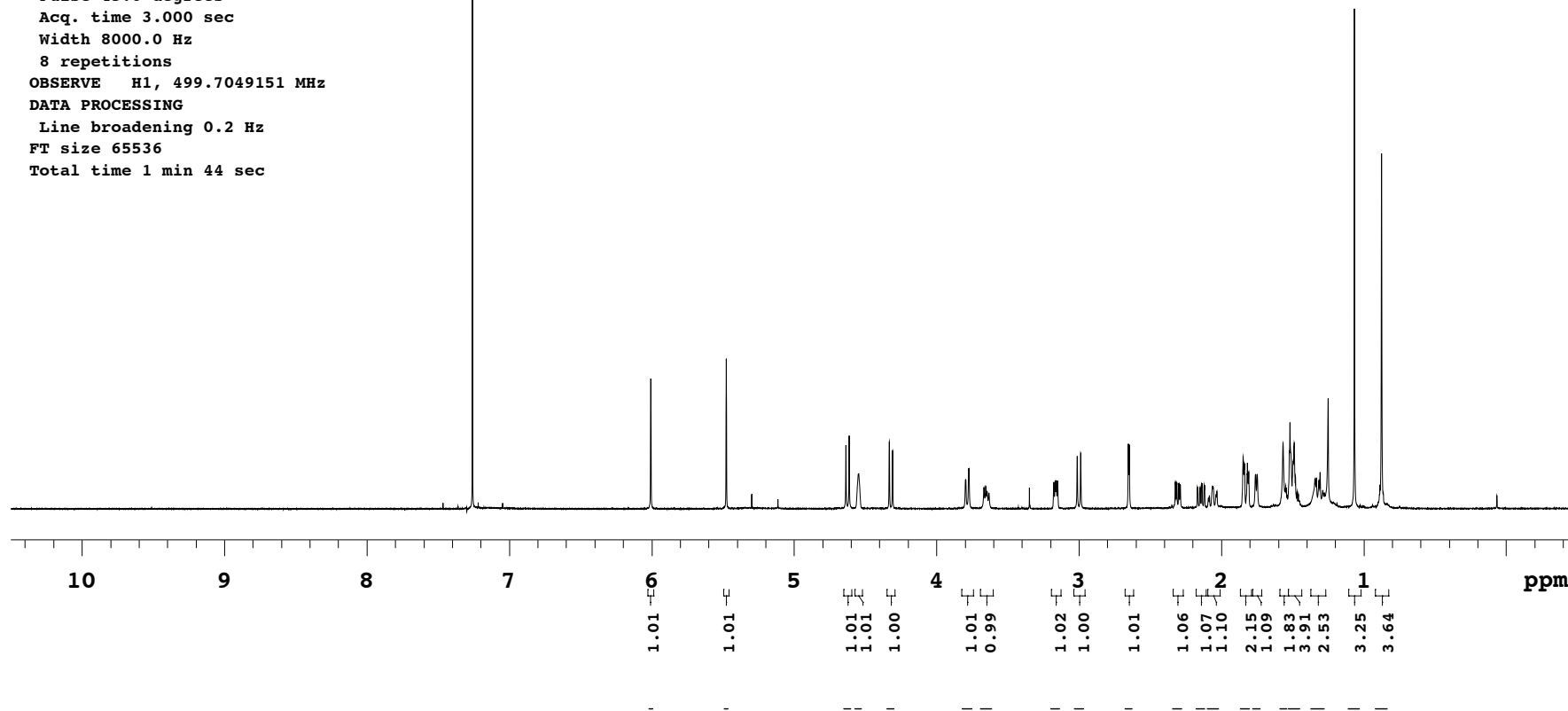


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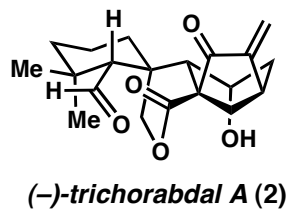
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: Feb 15 2013

Sample #39, Operator: yeomanjo

Relax. delay 10.000 sec
 Pulse 45.0 degrees
 Acq. time 3.000 sec
 Width 8000.0 Hz
 8 repetitions
 OBSERVE H1, 499.7049151 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 65536
 Total time 1 min 44 sec



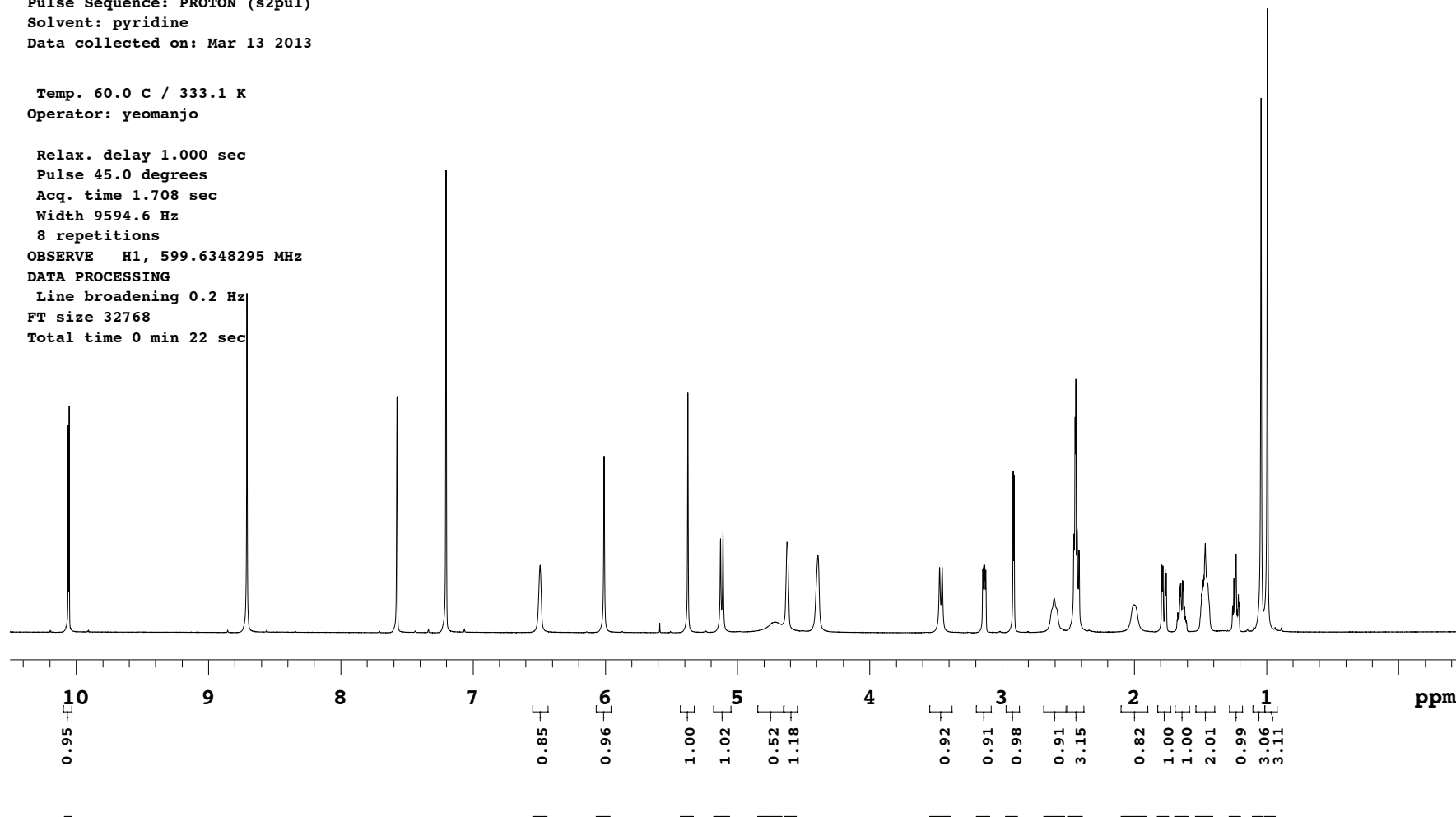
Sample Name:
jtsy-ix-143prep
Data Collected on:
fid.caltech.edu-inova600
Archive directory:
/home/yeomanjo/vnmrsys/data
Sample directory:
jtsy-ix-143prep
FidFile: PROTON01



Pulse Sequence: PROTON (s2pul)
Solvent: pyridine
Data collected on: Mar 13 2013

Temp. 60.0 C / 333.1 K
Operator: yeomanjo

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.708 sec
Width 9594.6 Hz
8 repetitions
OBSERVE H1, 599.6348295 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 0 min 22 sec



Sample Name:
jtsy-ix-143prep
Data Collected on:
daytona.caltech.edu-inova500
Archive directory:

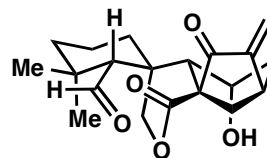
Sample directory:

FidFile: jtsy-ix-143prep-c13

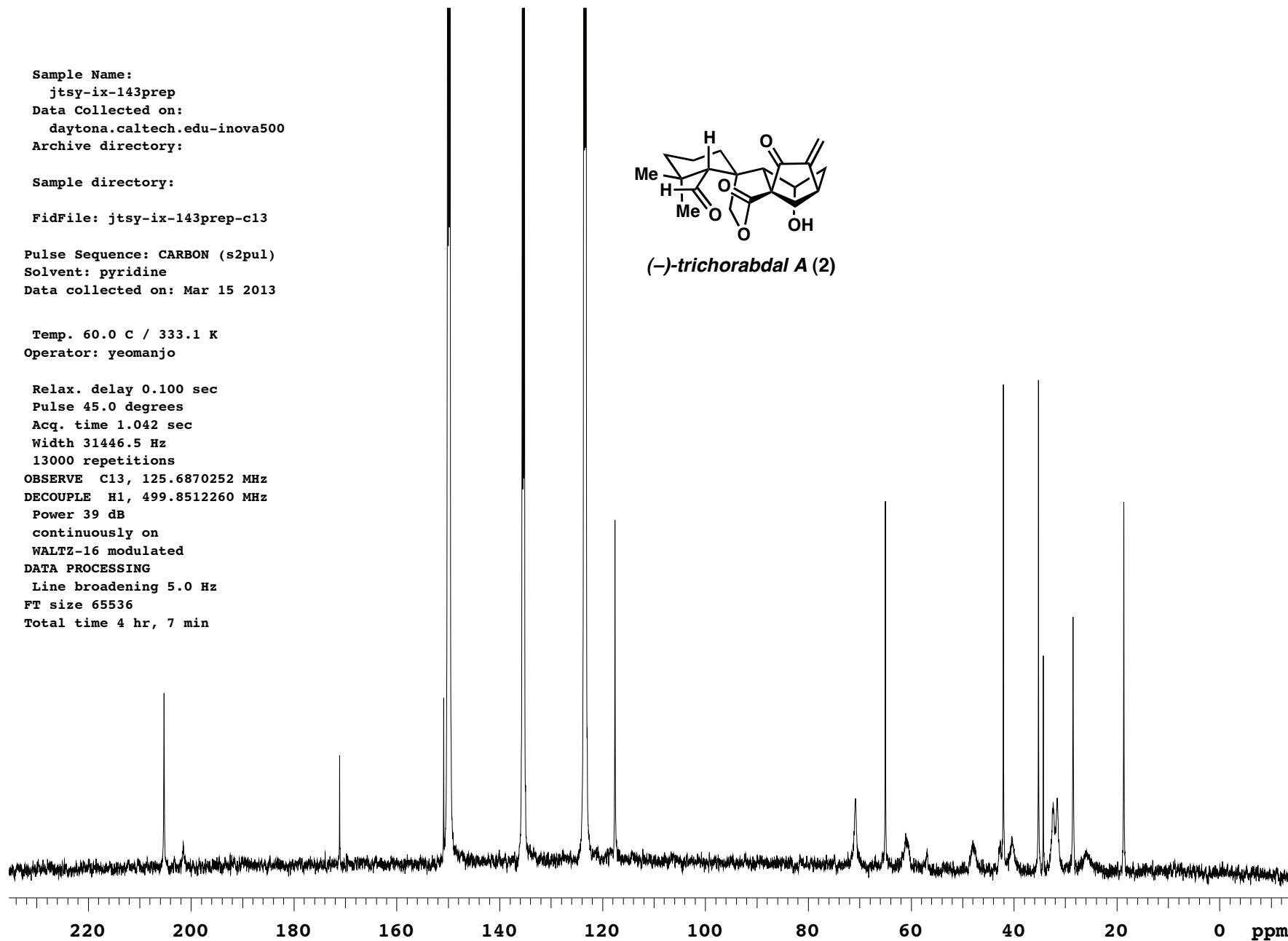
Pulse Sequence: CARBON (s2pul)
Solvent: pyridine
Data collected on: Mar 15 2013

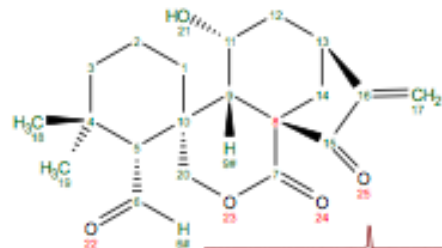
Temp. 60.0 C / 333.1 K
Operator: yeomanjo

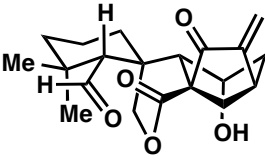
Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
13000 repetitions
OBSERVE C13, 125.6870252 MHz
DECOUPLE H1, 499.8512260 MHz
Power 39 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 5.0 Hz
FT size 65536
Total time 4 hr, 7 min

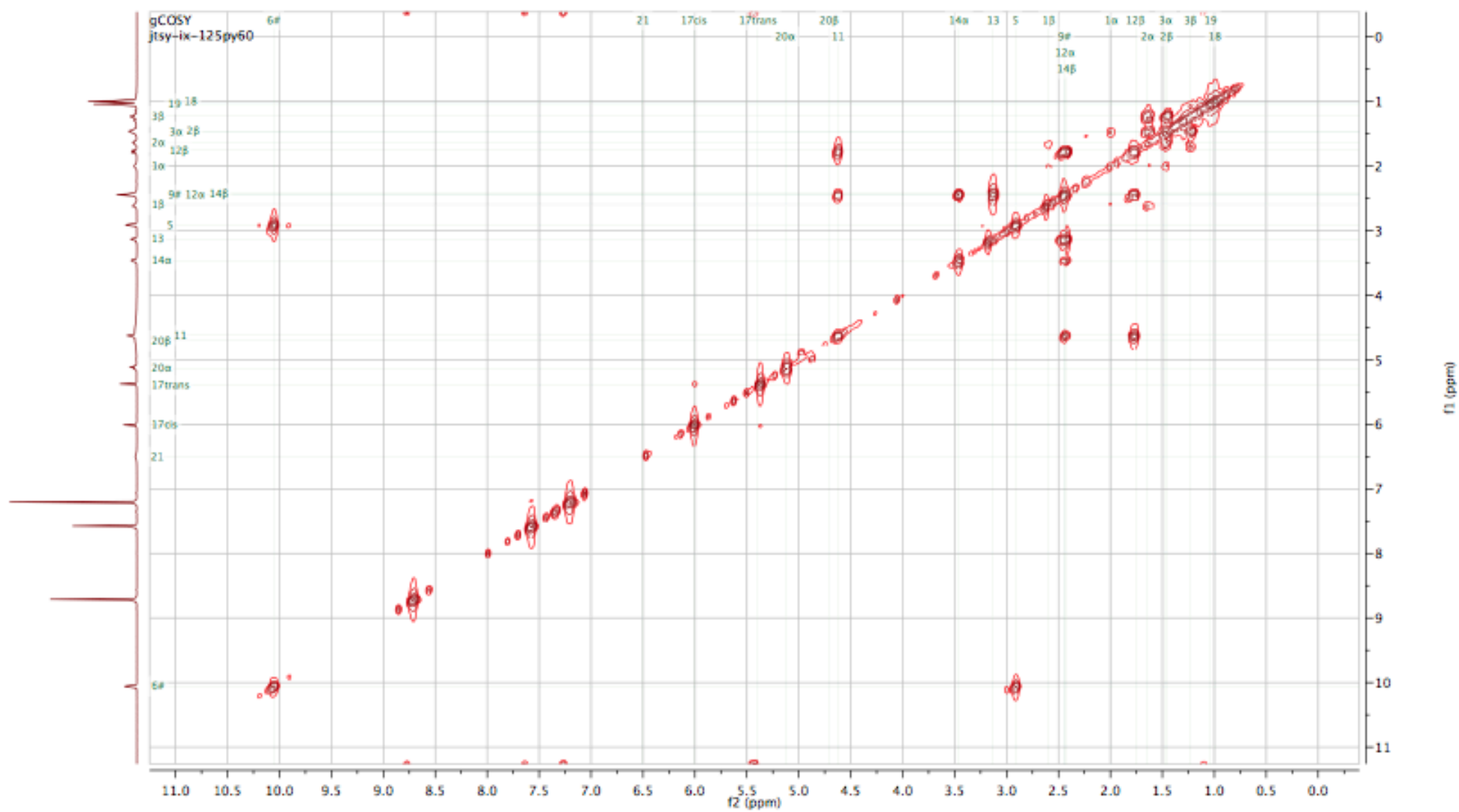


(-)-trichorabdal A (2)

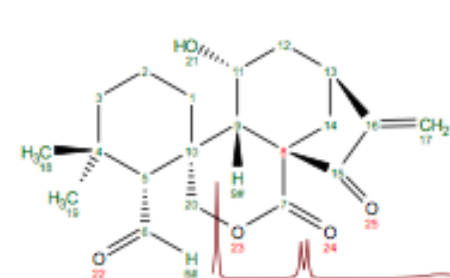




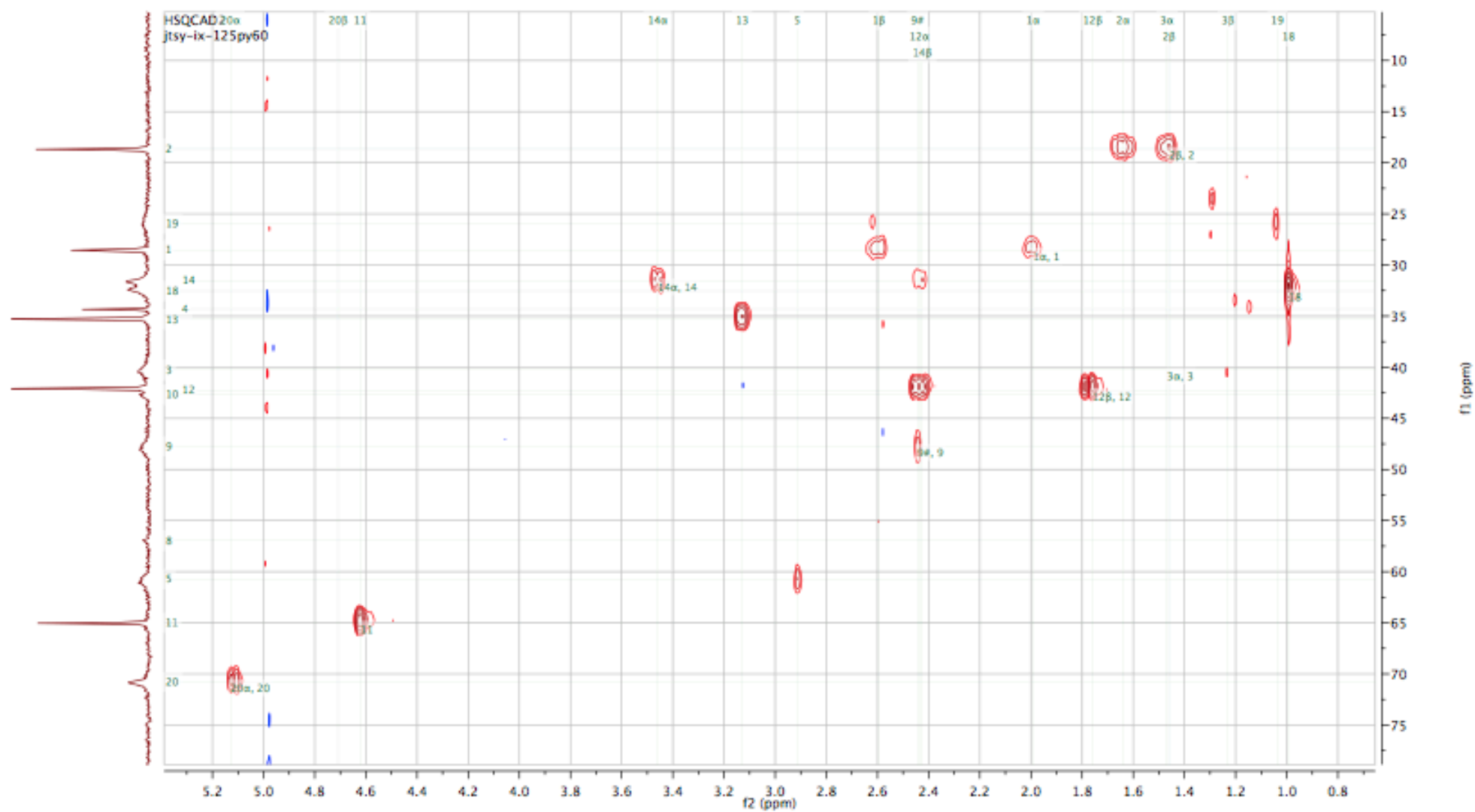
COSY of 
 (-)-trichorabdal A (2)

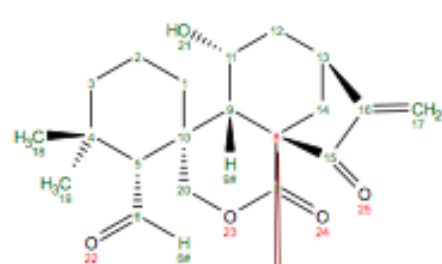




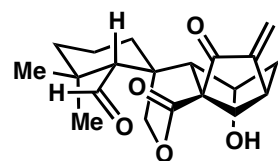


HSQC of **(-)-trichorabdal A (2)**

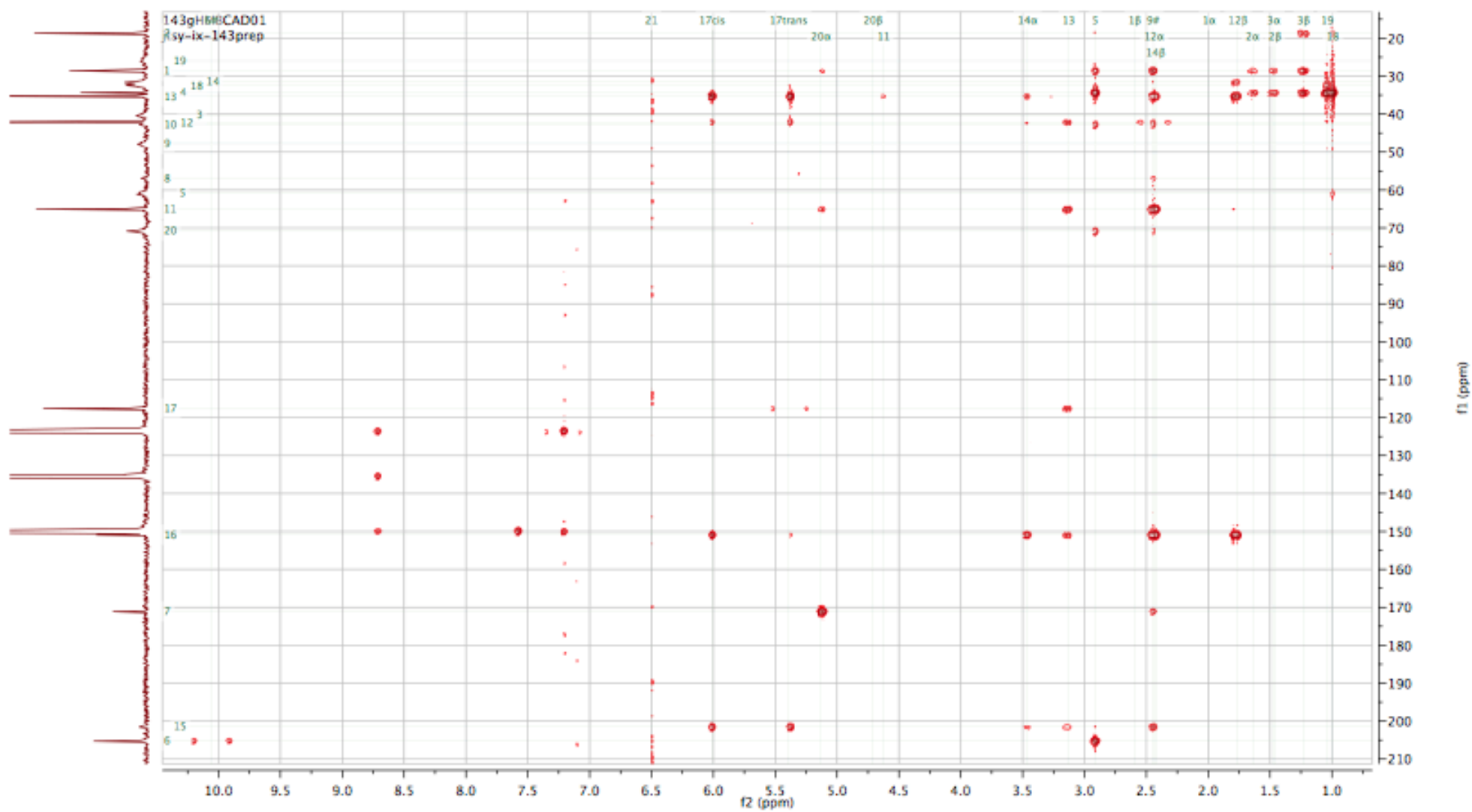




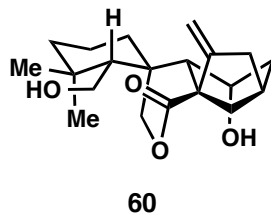
HMBC of



(-)-trichorabdal A (2)



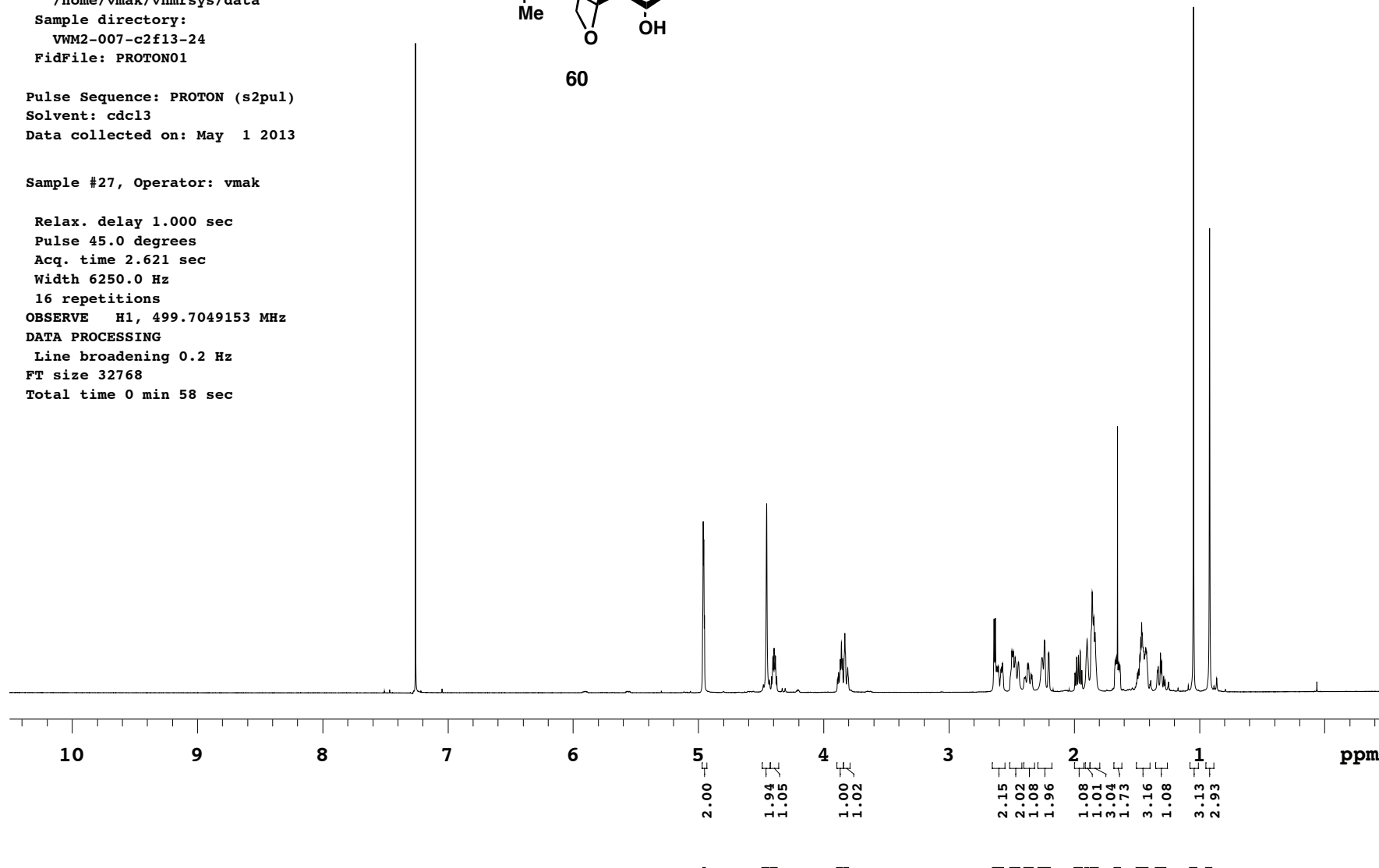
Sample Name:
 VWM2-007-c2f13-24
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/vmak/vnmrsys/data
 Sample directory:
 VWM2-007-c2f13-24
 FidFile: PROTON01



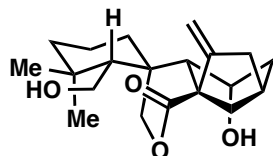
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: May 1 2013

Sample #27, Operator: vmak

Relax. delay 1.000 sec
 Pulse 45.0 degrees
 Acq. time 2.621 sec
 Width 6250.0 Hz
 16 repetitions
 OBSERVE H1, 499.7049153 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 32768
 Total time 0 min 58 sec



Sample Name:
VWM2-007-c2f13-24
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-007-c2f13-24
FidFile: CARBON01

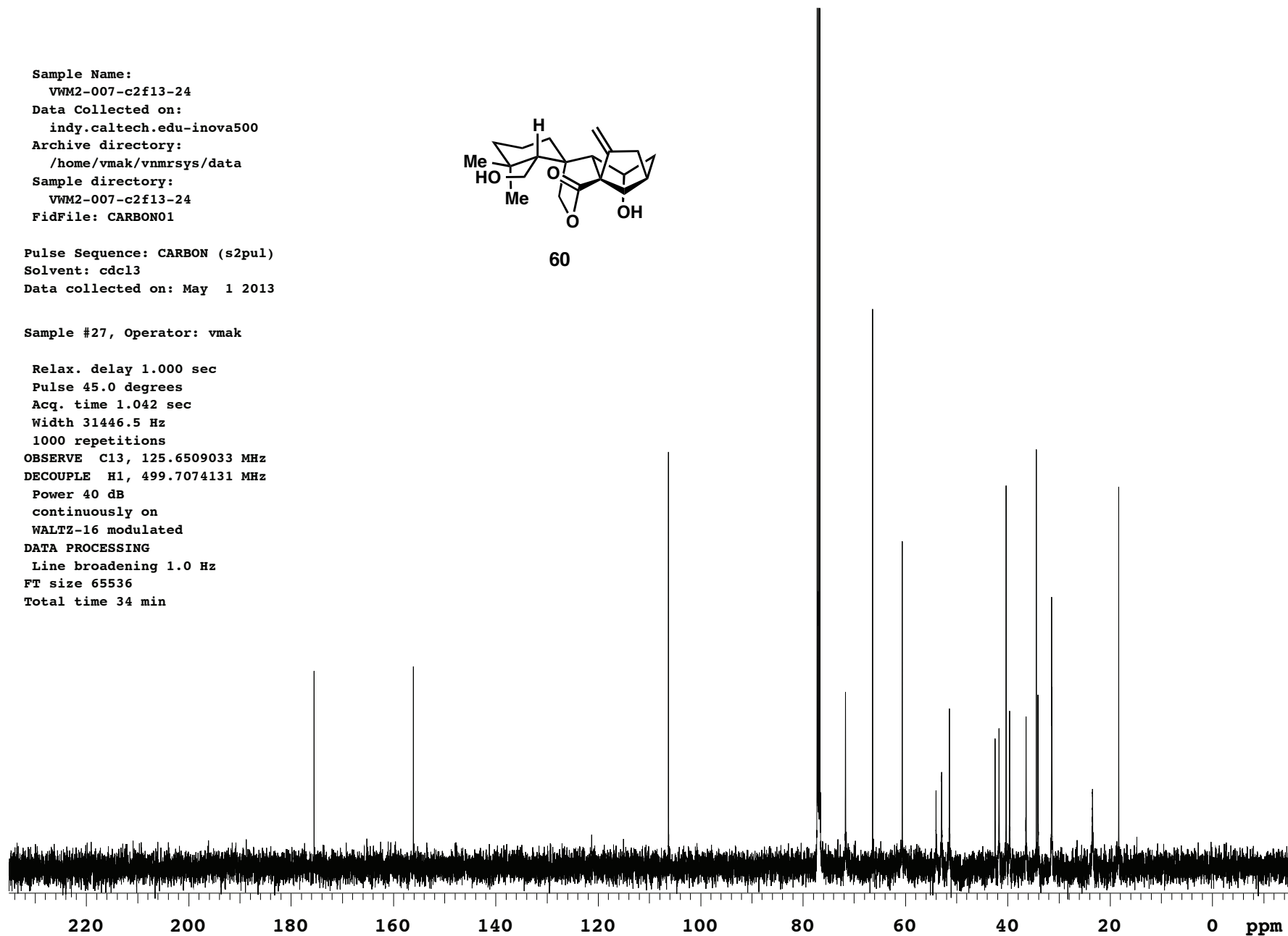


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Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 1 2013

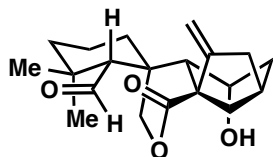
Sample #27, Operator: vmak

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
1000 repetitions
OBSERVE C13, 125.6509033 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 34 min



VWM2-019

Sample Name:
VWM2-019
Data Collected on:
fid.caltech.edu-inova600
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-019
FidFile: PROTON01

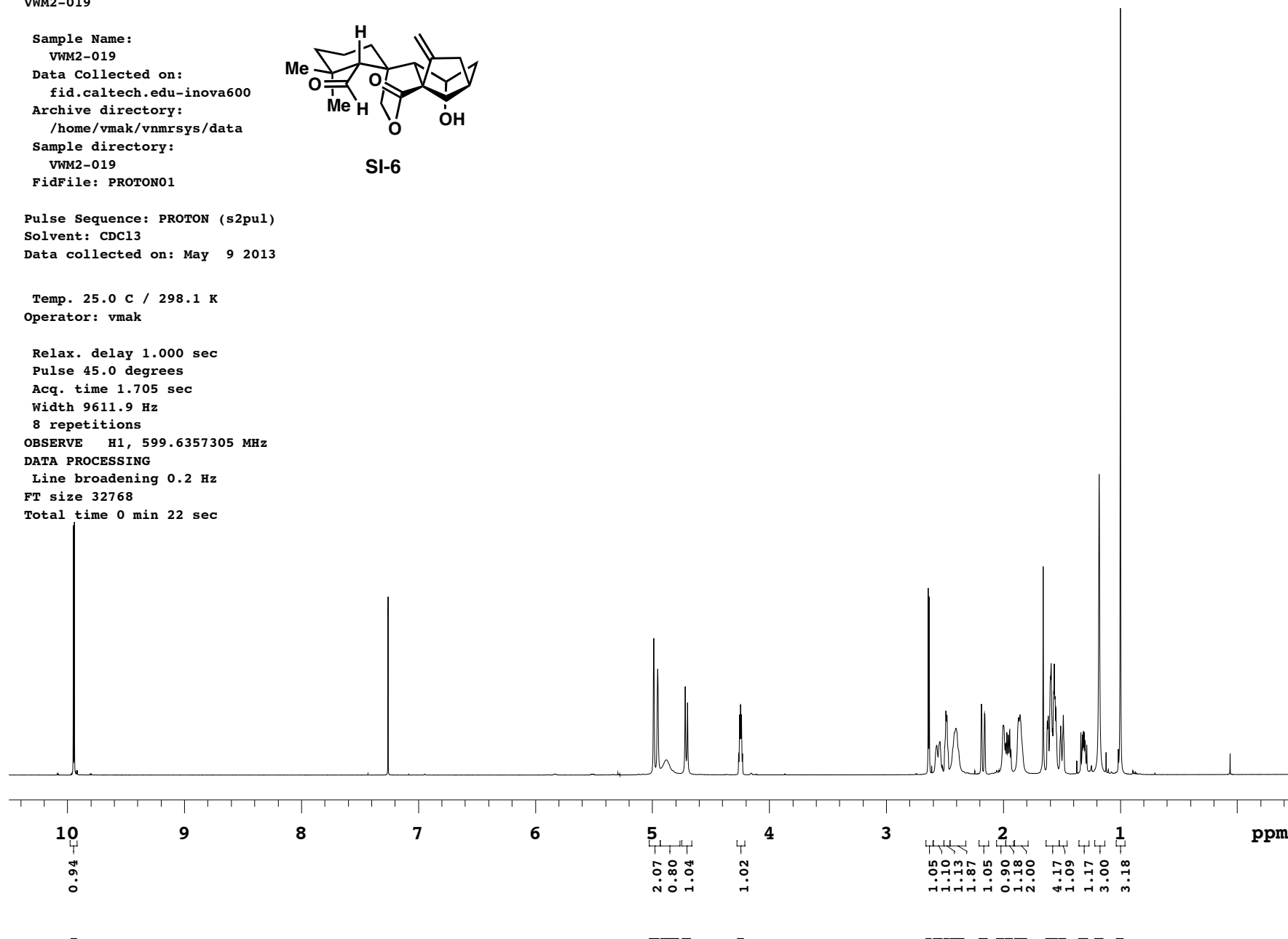


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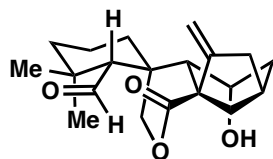
Pulse Sequence: PROTON (s2pul)
Solvent: CDCl3
Data collected on: May 9 2013

Temp. 25.0 C / 298.1 K
Operator: vmak

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.705 sec
Width 9611.9 Hz
8 repetitions
OBSERVE H1, 599.6357305 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 0 min 22 sec



Sample Name:
VWM2-019-comb
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-019-comb
FidFile: CARBON01

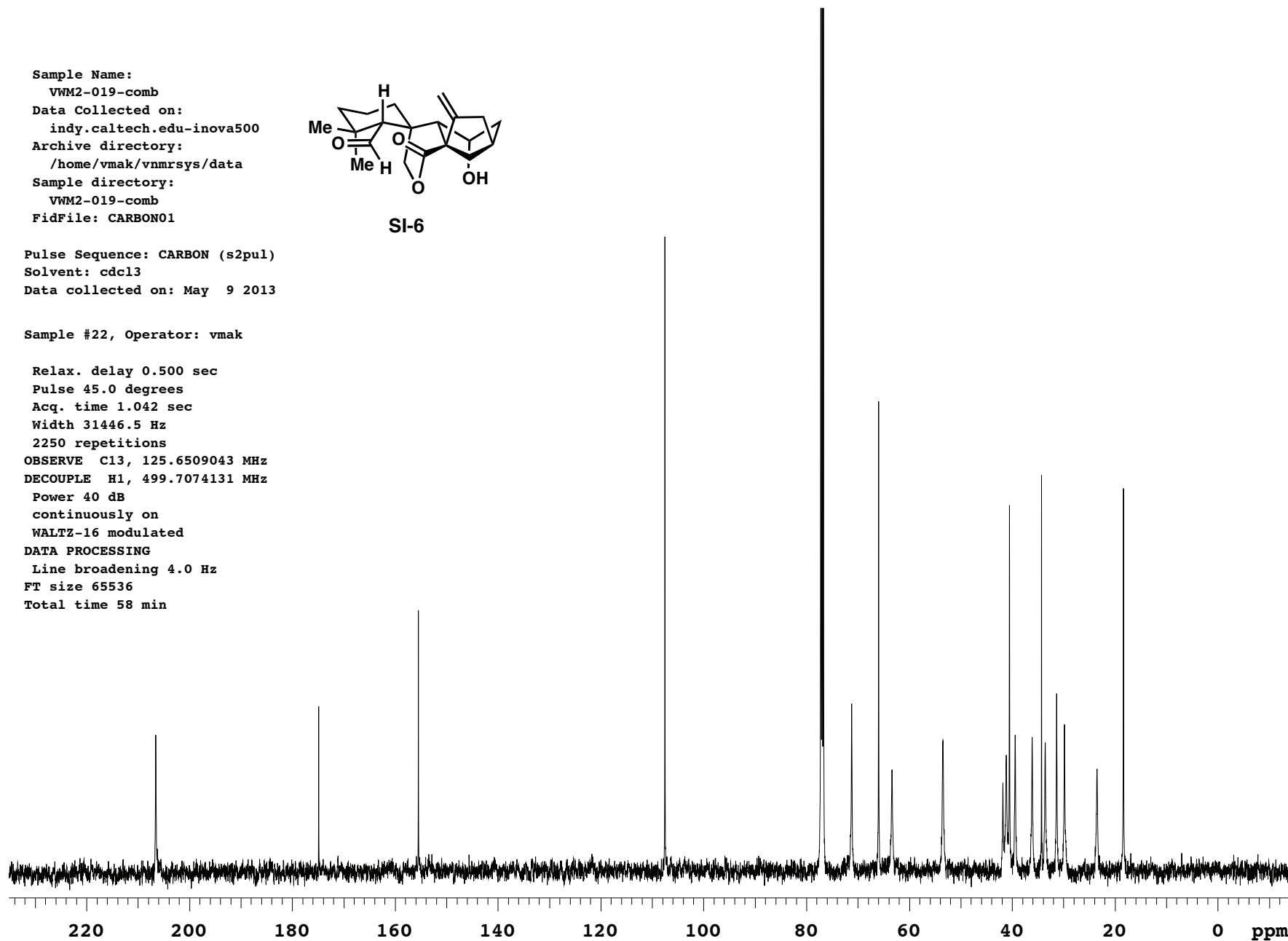


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Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 9 2013

Sample #22, Operator: vmak

Relax. delay 0.500 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
2250 repetitions
OBSERVE C13, 125.6509043 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 4.0 Hz
FT size 65536
Total time 58 min

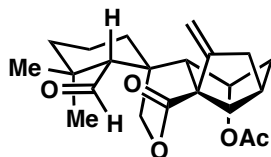


Sample Name:
 VWM2-017-f14-19
 Data Collected on:
 indy.caltech.edu-inova500
 Archive directory:
 /home/vmak/vnmrsys/data
 Sample directory:
 VWM2-017-f14-19
 FidFile: PROTON01

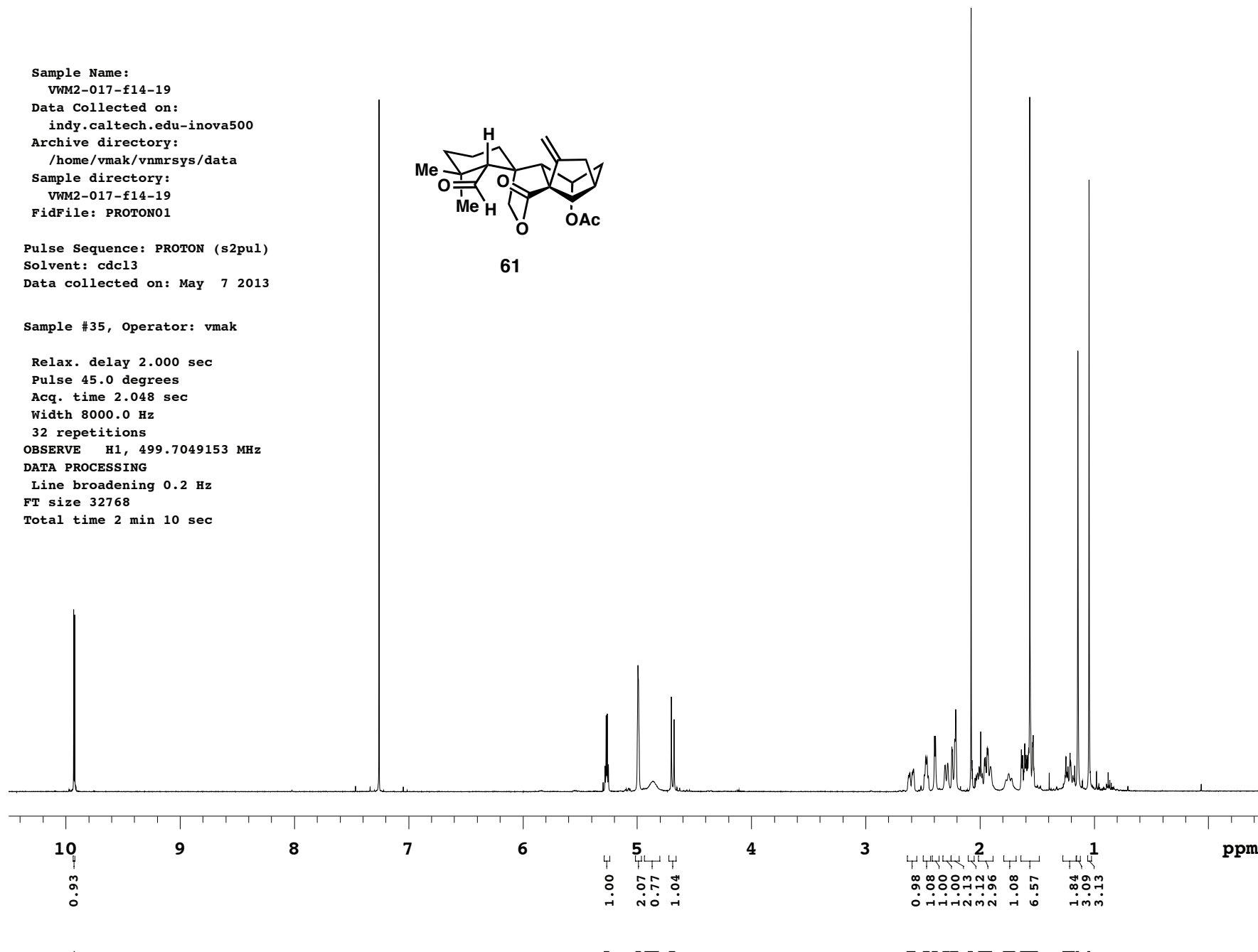
Pulse Sequence: PROTON (s2pul)
 Solvent: cdcl3
 Data collected on: May 7 2013

Sample #35, Operator: vmak

Relax. delay 2.000 sec
 Pulse 45.0 degrees
 Acq. time 2.048 sec
 Width 8000.0 Hz
 32 repetitions
 OBSERVE H1, 499.7049153 MHz
 DATA PROCESSING
 Line broadening 0.2 Hz
 FT size 32768
 Total time 2 min 10 sec



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Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 9 2013

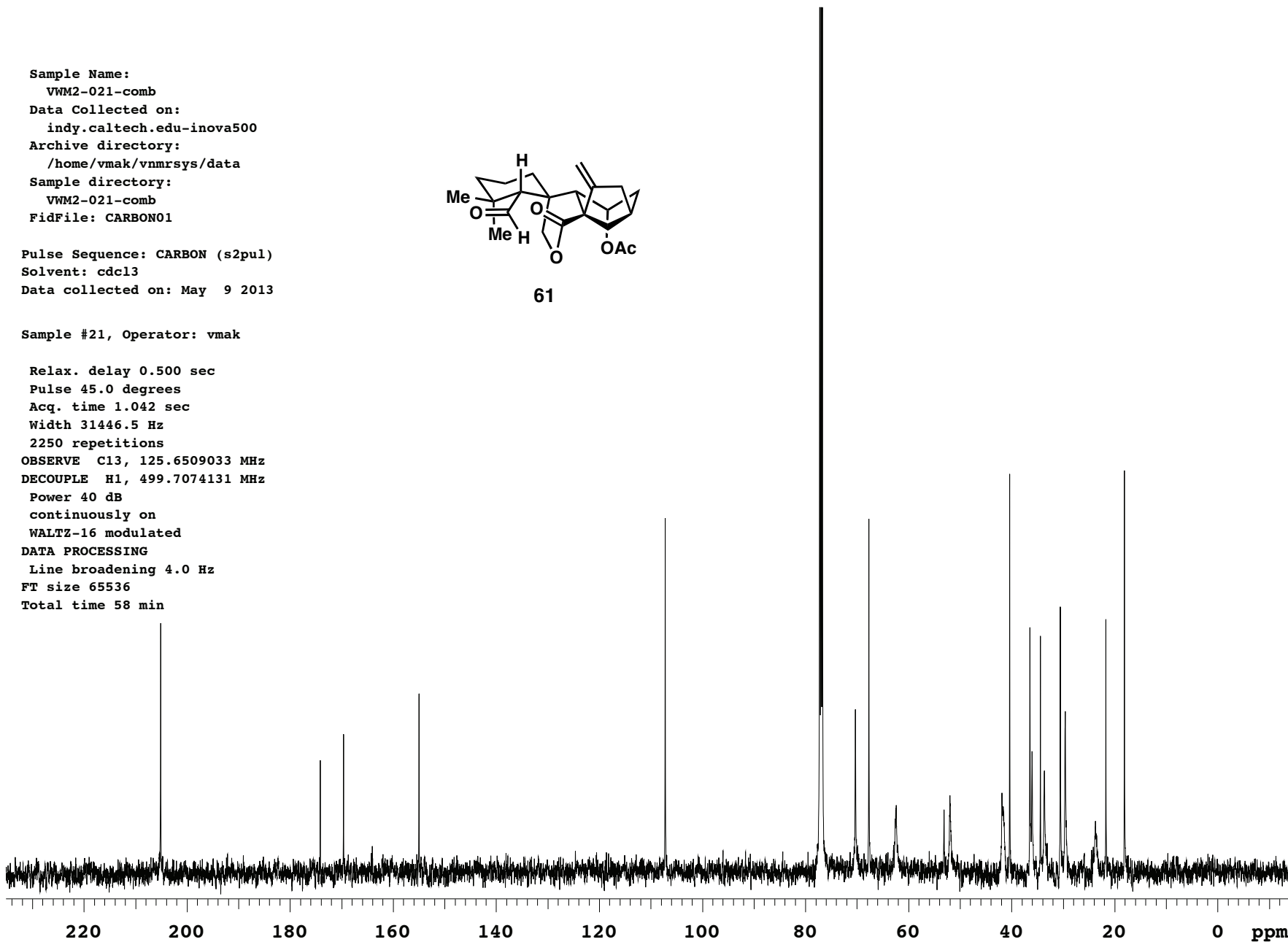
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Sample #21, Operator: vmak

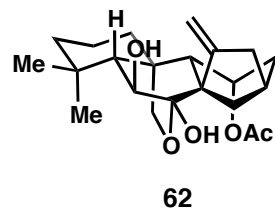
```

Relax. delay 0.500 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
2250 repetitions
OBSERVE C13, 125.6509033 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 4.0 Hz
FT size 65536
Total time 58 min

```



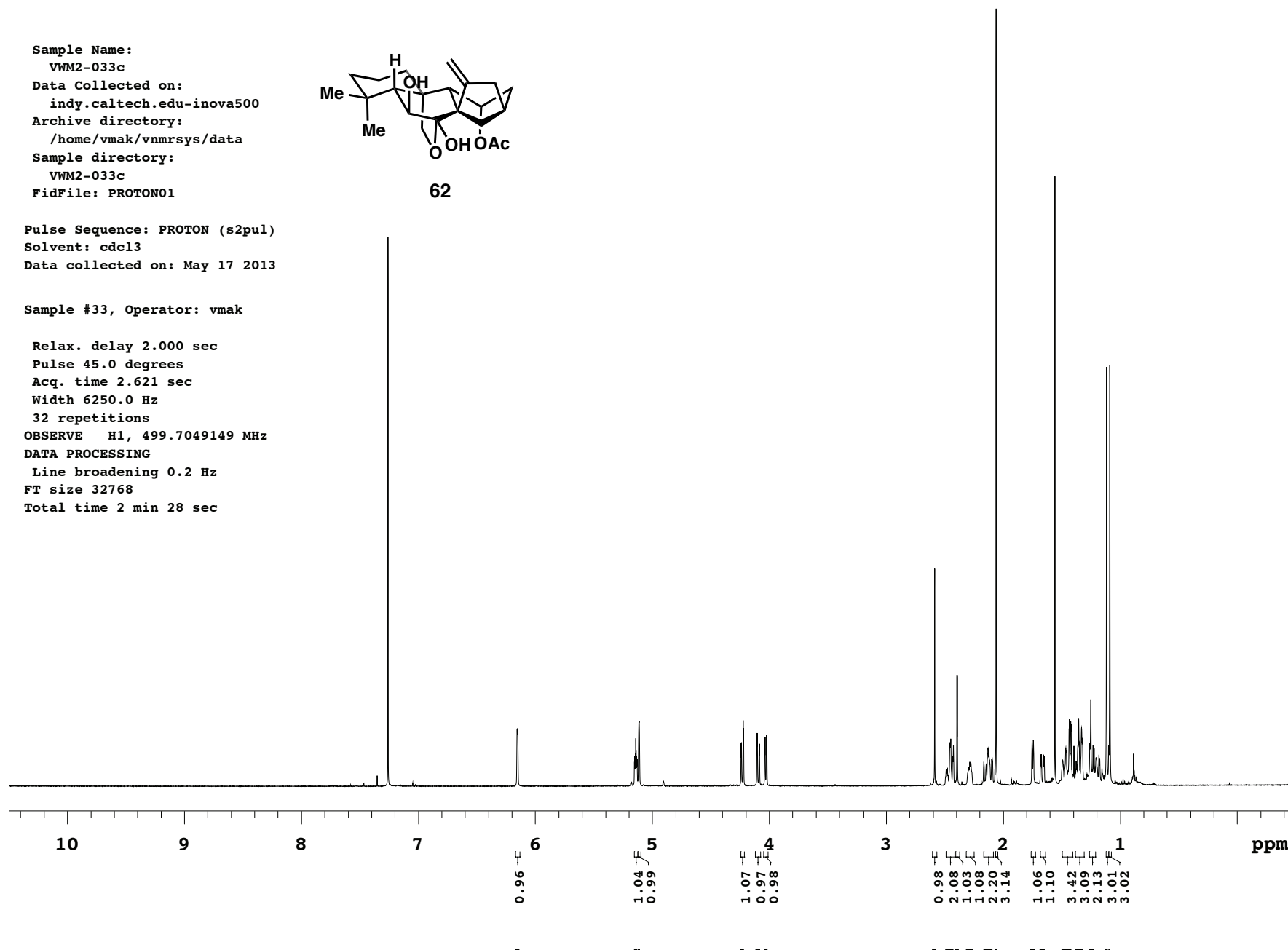
Sample Name:
VWM2-033c
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-033c
FidFile: PROTON01



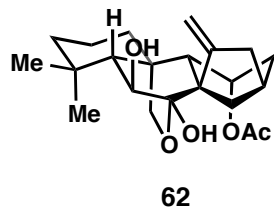
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: May 17 2013

Sample #33, Operator: vmak

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 2.621 sec
Width 6250.0 Hz
32 repetitions
OBSERVE H1, 499.7049149 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 2 min 28 sec



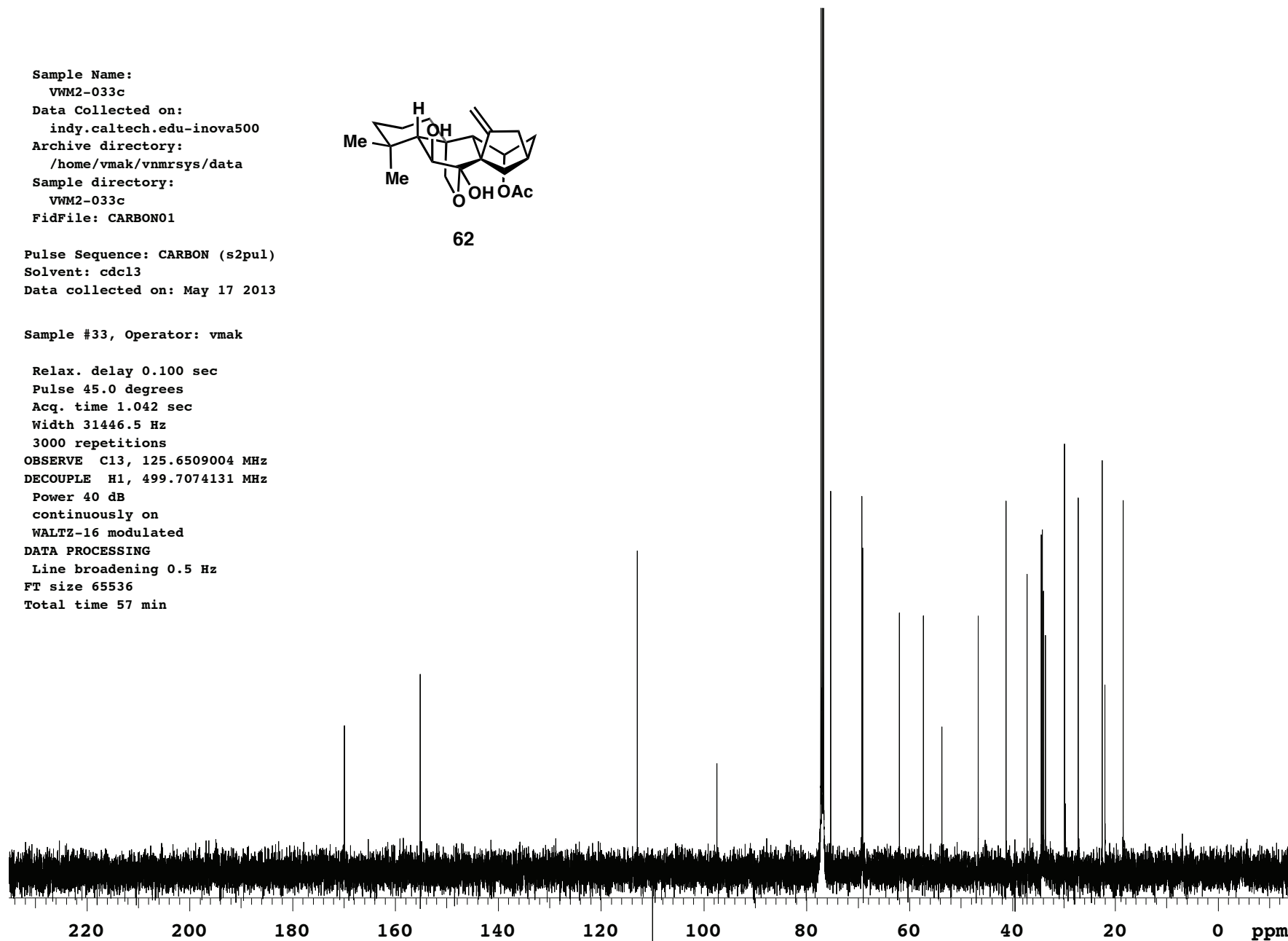
Sample Name:
VWM2-033c
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-033c
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 17 2013

Sample #33, Operator: vmak

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
3000 repetitions
OBSERVE C13, 125.6509004 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 57 min

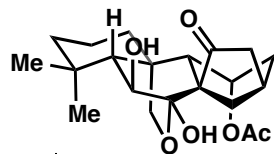


Sample Name:
VWM2-063-f24-41
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-063-f24-41
FidFile: PROTON01

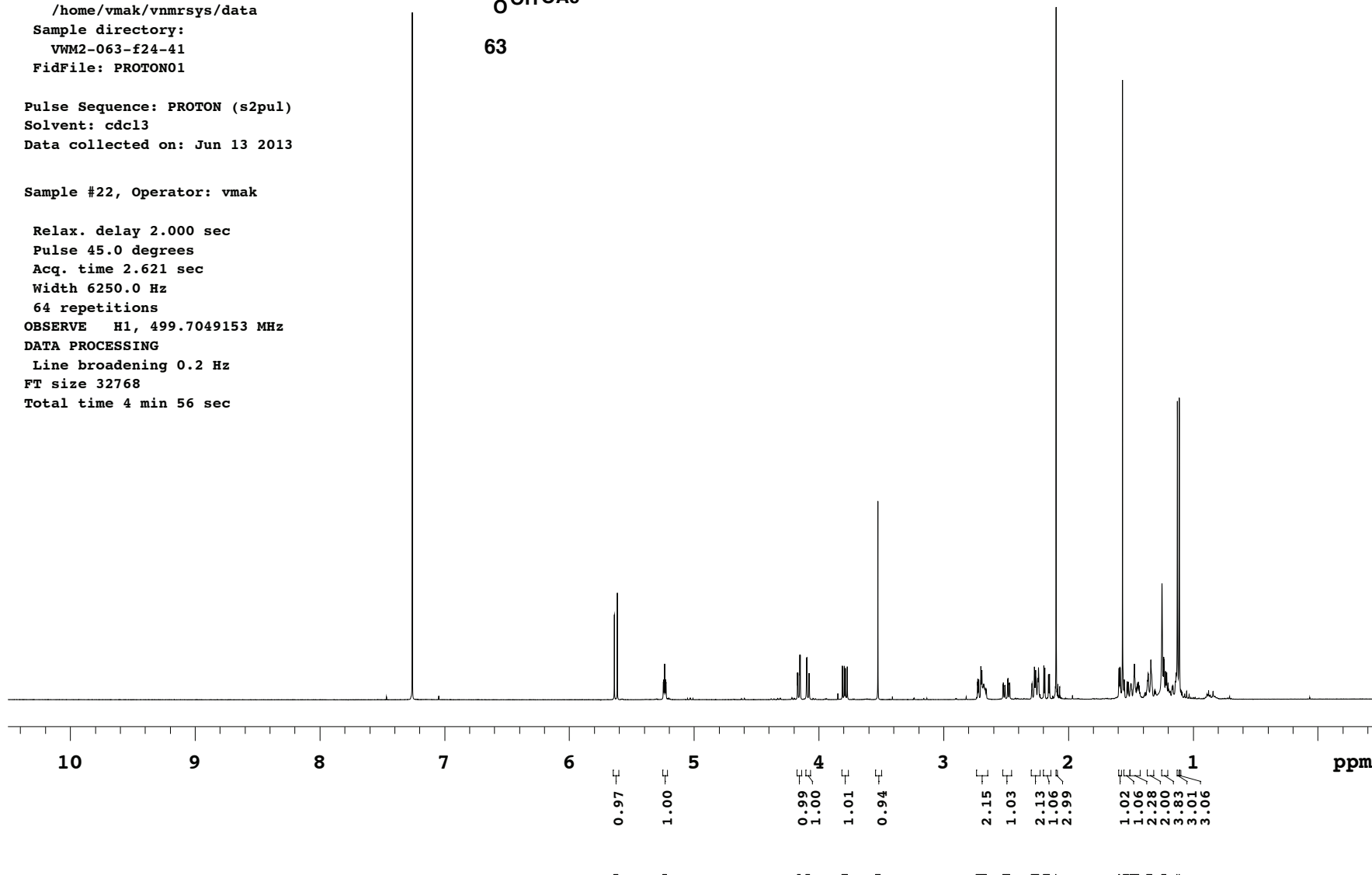
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 13 2013

Sample #22, Operator: vmak

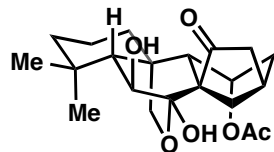
Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 2.621 sec
Width 6250.0 Hz
64 repetitions
OBSERVE H1, 499.7049153 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 4 min 56 sec



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Sample Name:
VWM2-043-f26-36
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-043-f26-36
FidFile: CARBON01

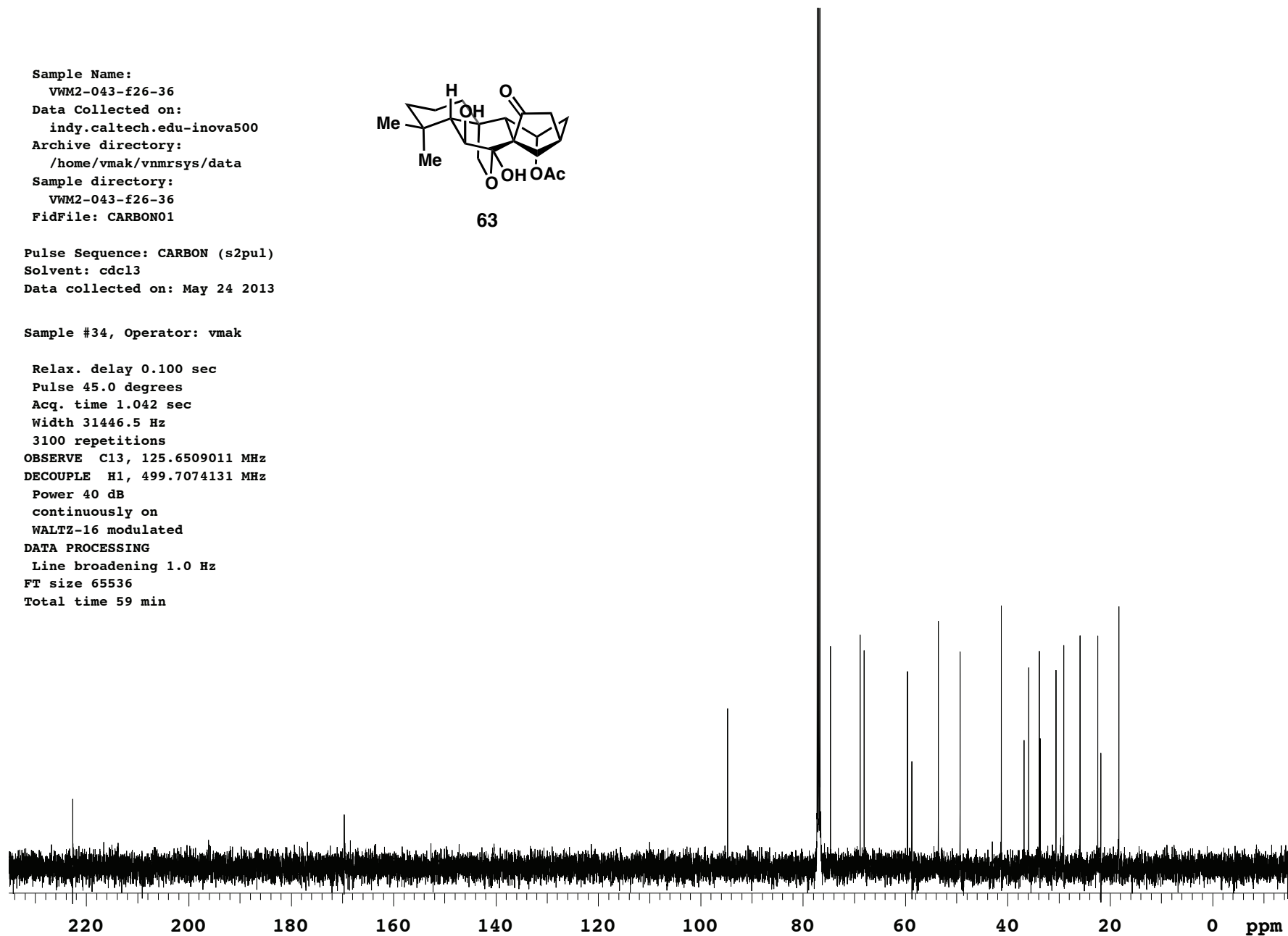


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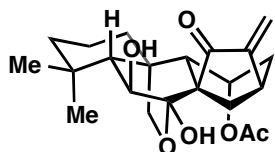
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: May 24 2013

Sample #34, Operator: vmak

Relax. delay 0.100 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
3100 repetitions
OBSERVE C13, 125.6509011 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 1.0 Hz
FT size 65536
Total time 59 min



Sample Name:
VWM2-067-c2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-067-c2
FidFile: PROTON06

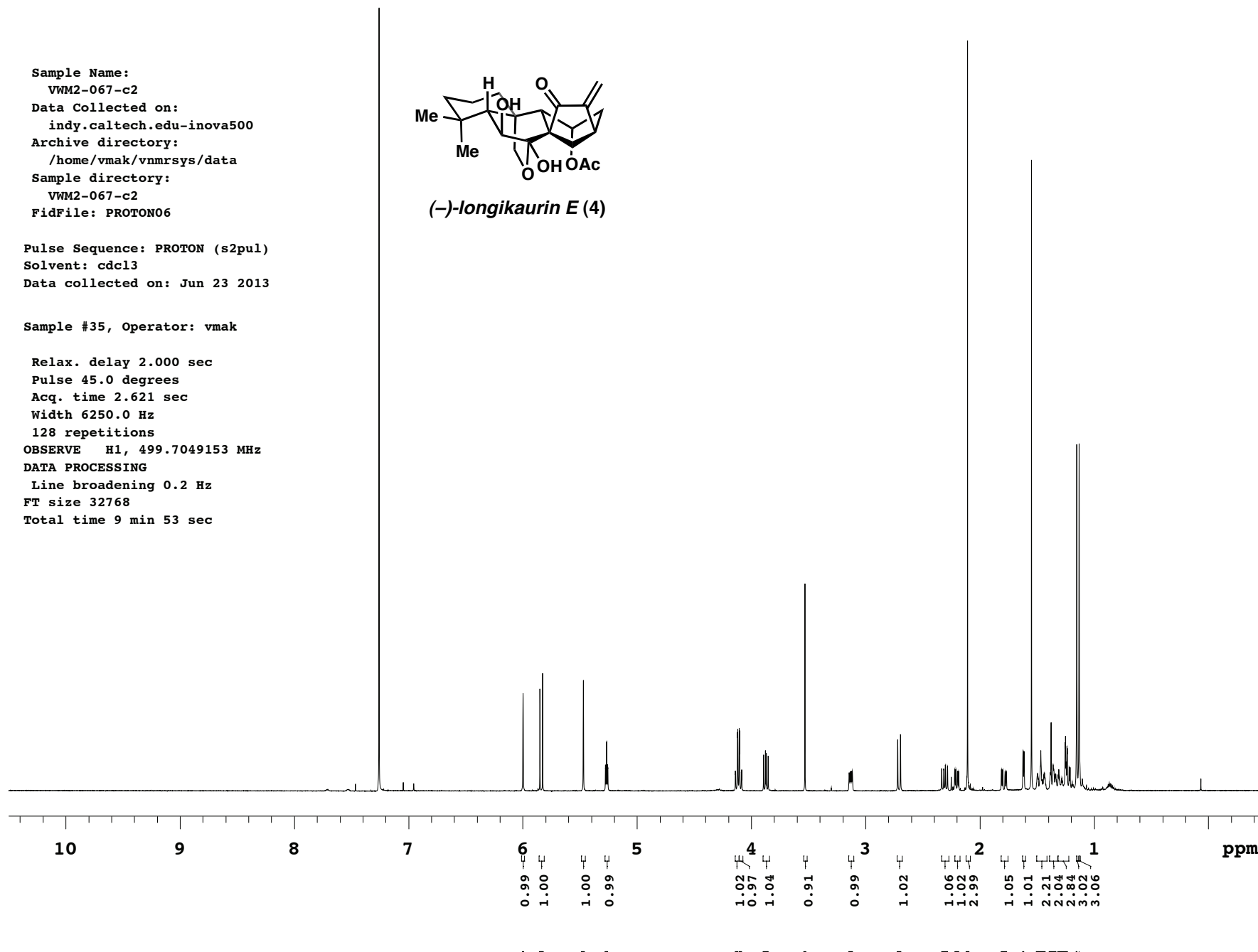


(-)-longikaurin E (4)

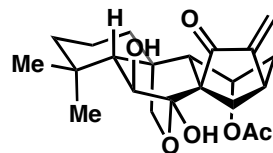
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 23 2013

Sample #35, Operator: vmak

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 2.621 sec
Width 6250.0 Hz
128 repetitions
OBSERVE H1, 499.7049153 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 9 min 53 sec



Sample Name:
VWM2-067-c2
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-067-c2
FidFile: CARBON01

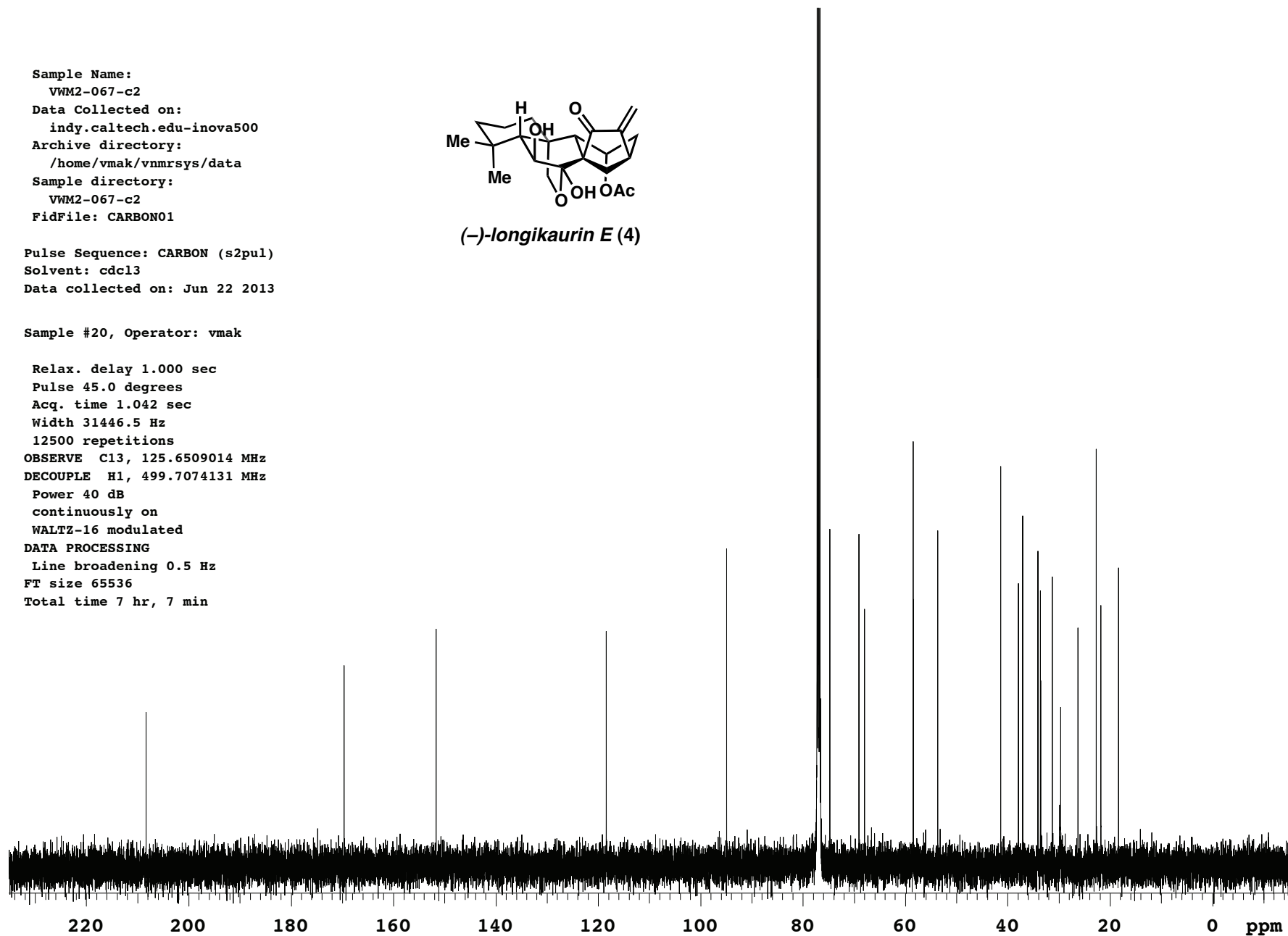


(-)-longikaurin E (4)

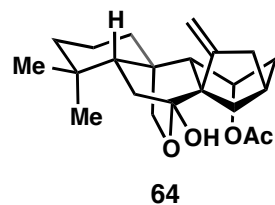
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jun 22 2013

Sample #20, Operator: vmak

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
12500 repetitions
OBSERVE C13, 125.6509014 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 7 hr, 7 min



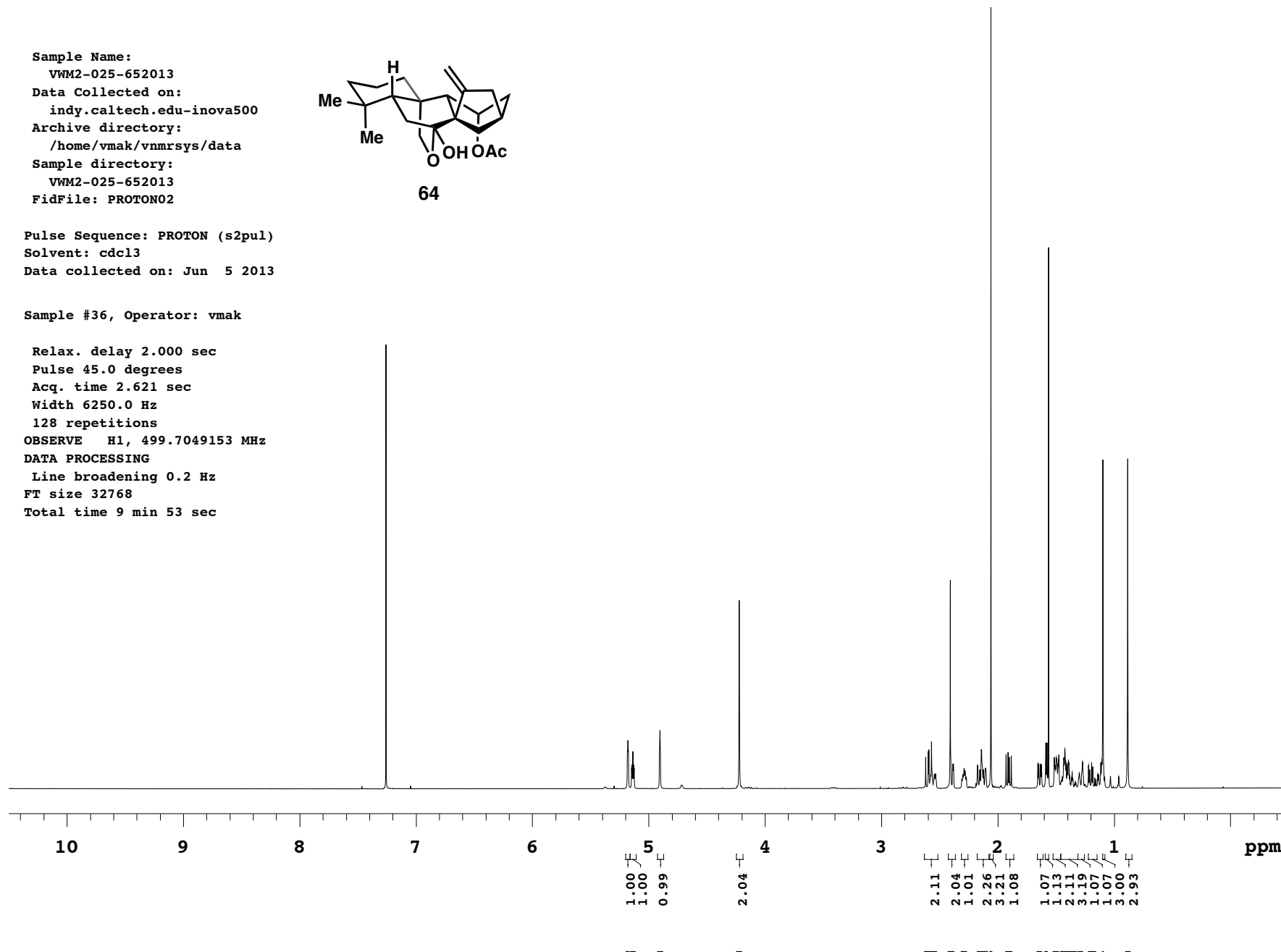
Sample Name:
VWM2-025-652013
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-025-652013
FidFile: PROTON02



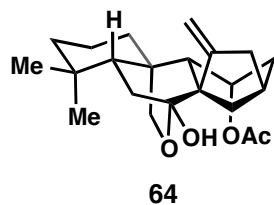
Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jun 5 2013

Sample #36, Operator: vmak

Relax. delay 2.000 sec
Pulse 45.0 degrees
Acq. time 2.621 sec
Width 6250.0 Hz
128 repetitions
OBSERVE H1, 499.7049153 MHz
DATA PROCESSING
Line broadening 0.2 Hz
FT size 32768
Total time 9 min 53 sec



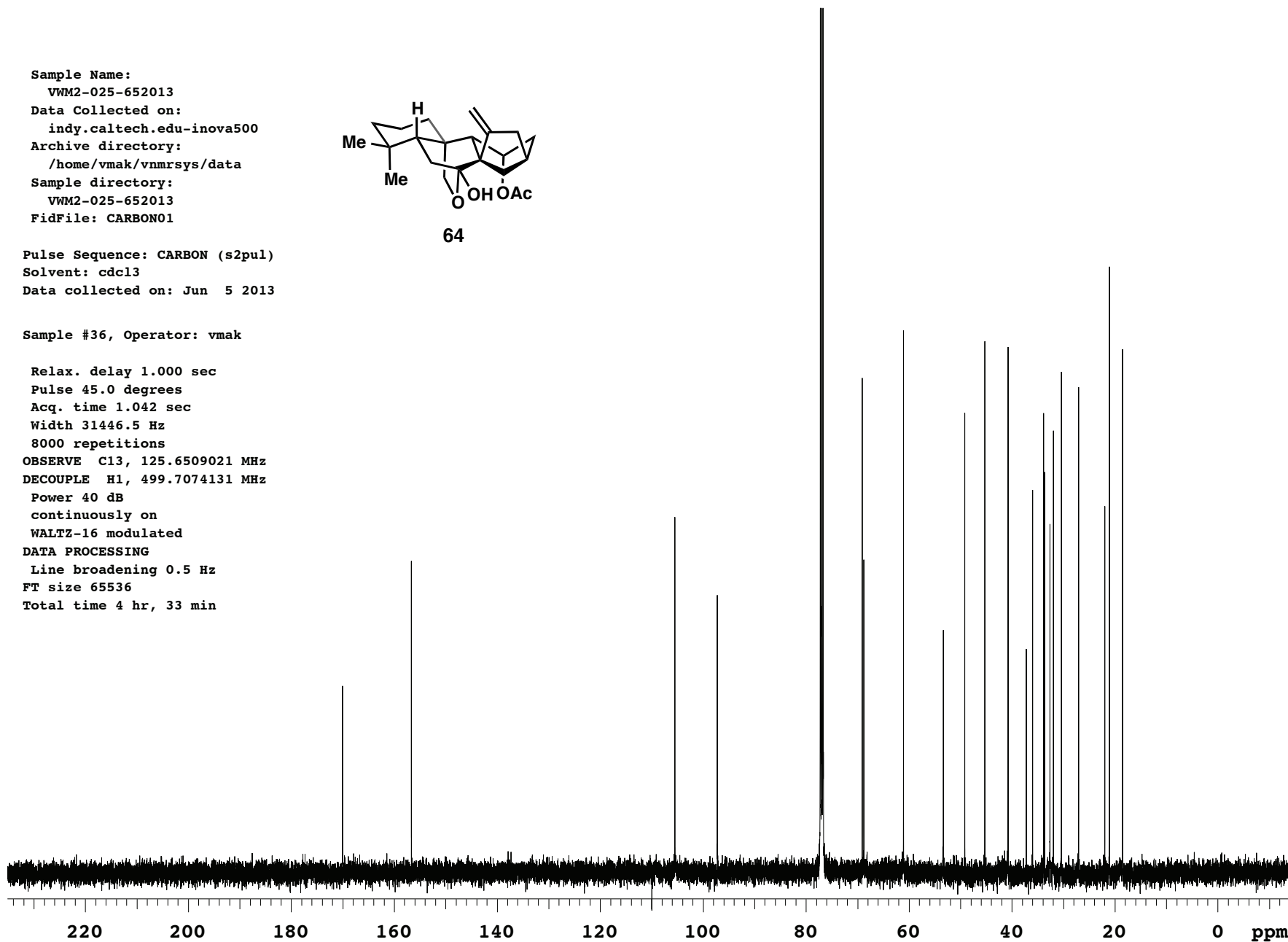
Sample Name:
VWM2-025-652013
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM2-025-652013
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jun 5 2013

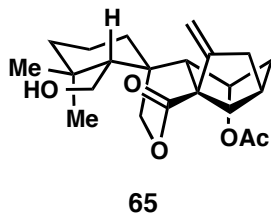
Sample #36, Operator: vmak

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
8000 repetitions
OBSERVE C13, 125.6509021 MHz
DECOUPLE H1, 499.7074131 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 4 hr, 33 min



VWM3-063

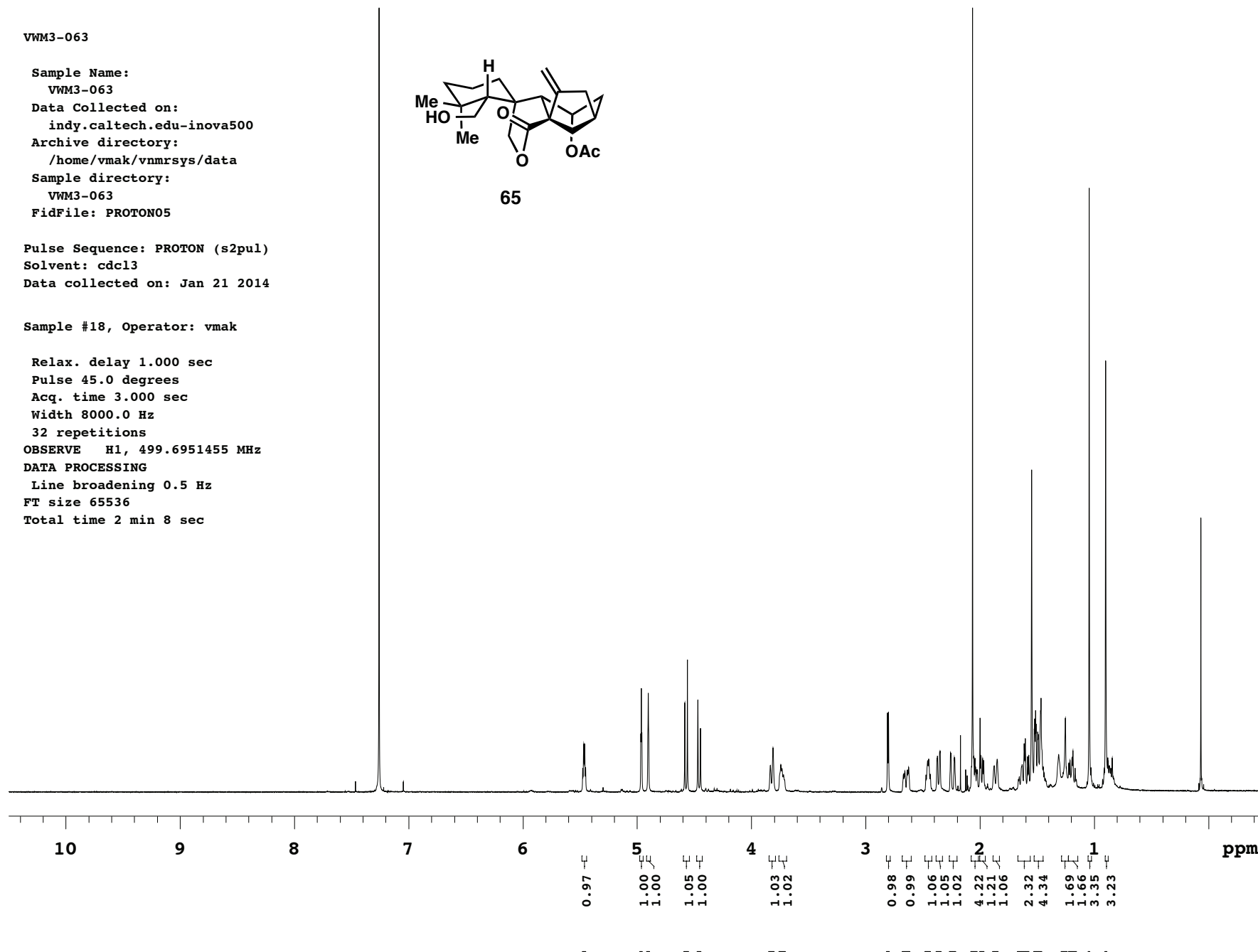
Sample Name:
VWM3-063
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM3-063
FidFile: PROTON05



Pulse Sequence: PROTON (s2pul)
Solvent: cdcl3
Data collected on: Jan 21 2014

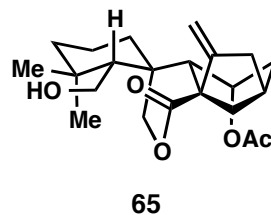
Sample #18, Operator: vmak

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 3.000 sec
Width 8000.0 Hz
32 repetitions
OBSERVE H1, 499.6951455 MHz
DATA PROCESSING
Line broadening 0.5 Hz
FT size 65536
Total time 2 min 8 sec



VWM3-063

Sample Name:
VWM3-063
Data Collected on:
indy.caltech.edu-inova500
Archive directory:
/home/vmak/vnmrsys/data
Sample directory:
VWM3-063
FidFile: CARBON01



Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Jan 21 2014

Sample #18, Operator: vmak

Relax. delay 1.000 sec
Pulse 45.0 degrees
Acq. time 1.042 sec
Width 31446.5 Hz
5000 repetitions
OBSERVE C13, 125.6484443 MHz
DECOUPLE H1, 499.6976415 MHz
Power 40 dB
continuously on
WALTZ-16 modulated
DATA PROCESSING
Line broadening 2.0 Hz
FT size 65536
Total time 2 hr, 50 min

