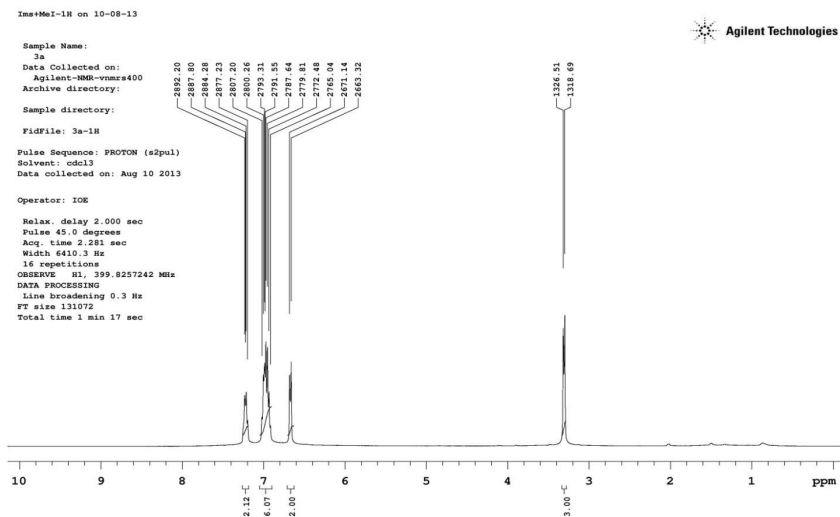
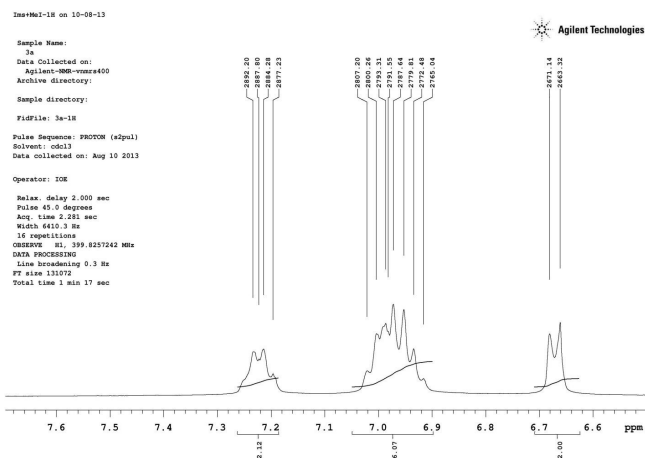


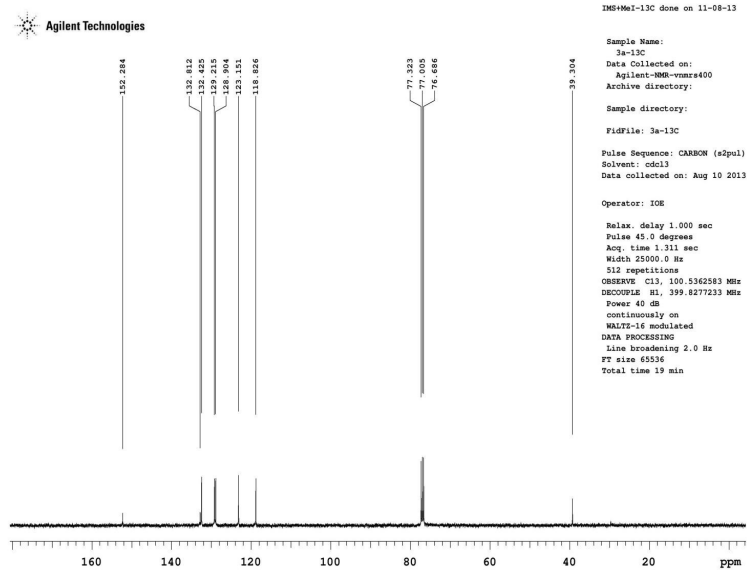
^1H NMR



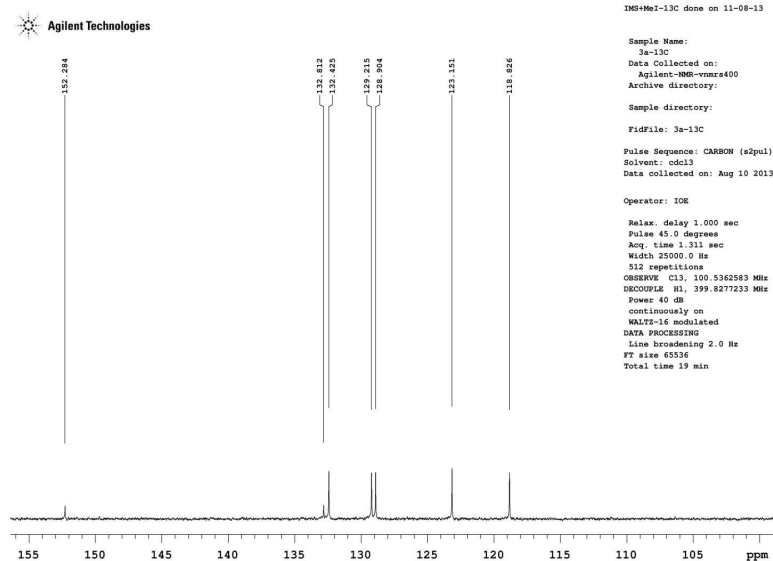
^1H NMR expansion



^{13}C NMR

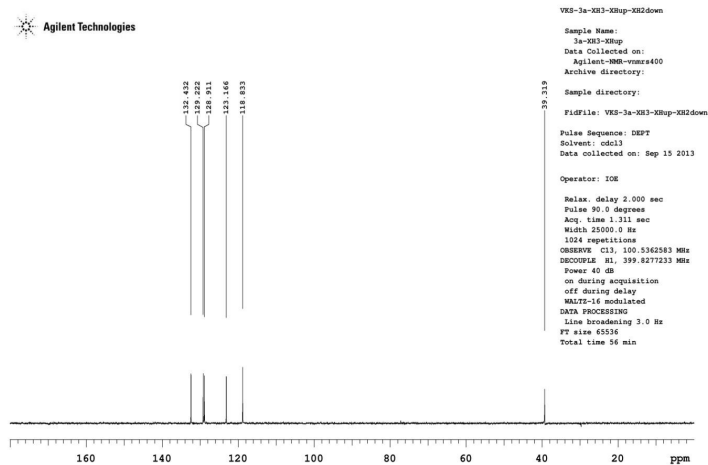


^{13}C NMR expansion

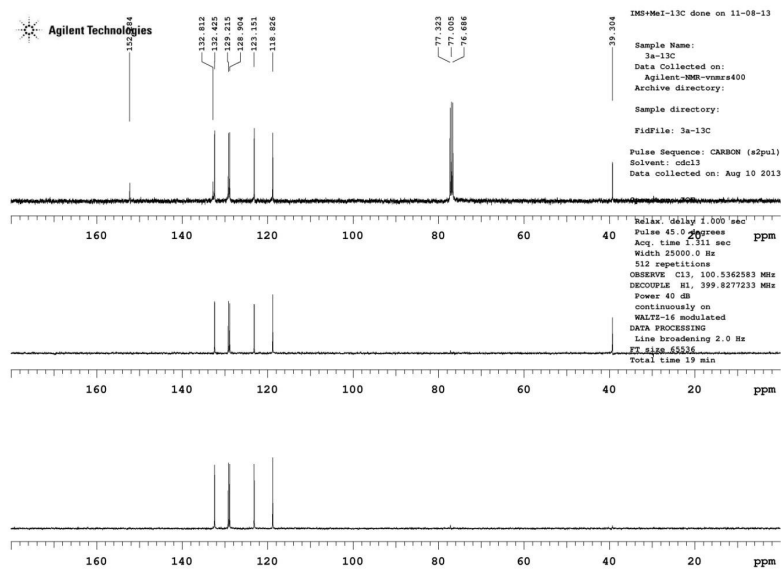
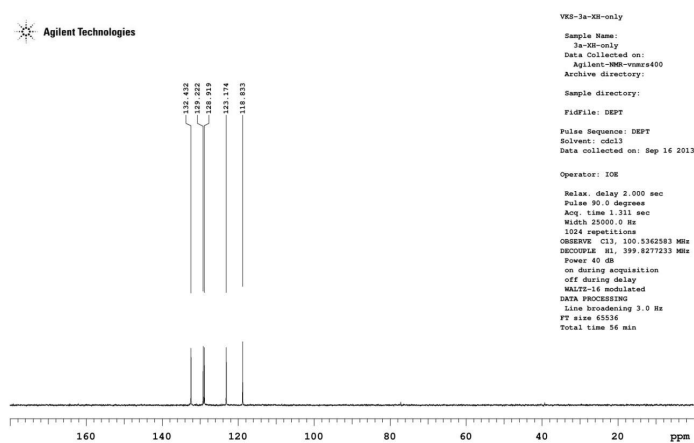


DEPT (Distortionless Enhancement by Polarization Transfer); Quaternary carbons are suppressed. CH and CH₃ carbons up and CH₂ carbons down.

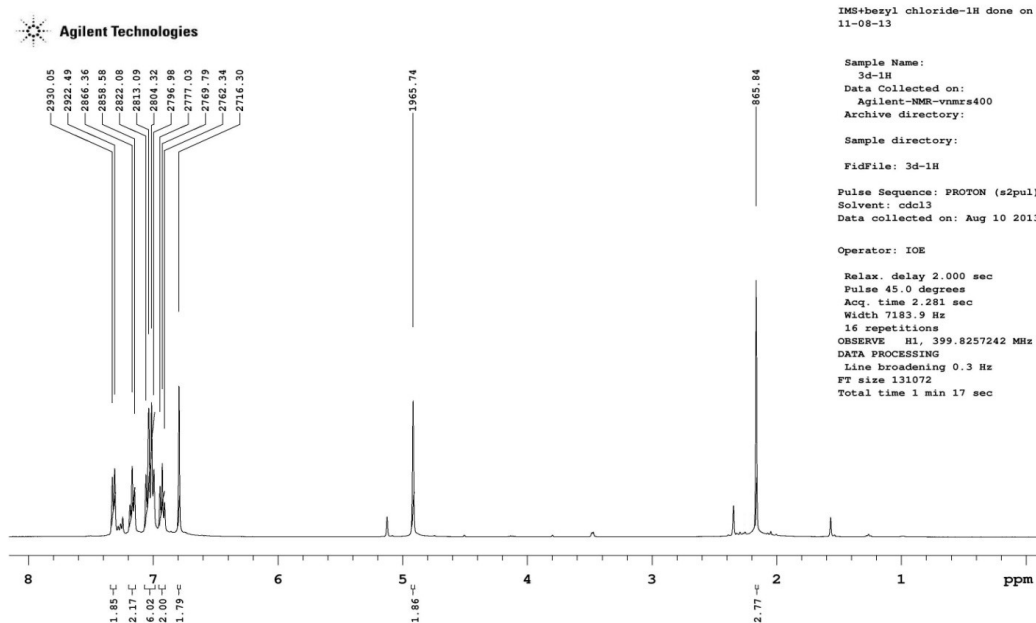
Only CH carbon



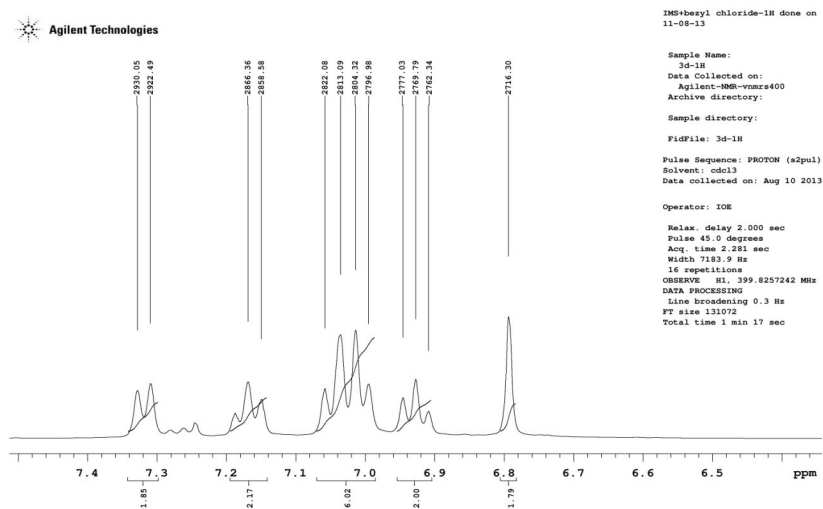
CH and CH₃ carbons up and CH₂ carbons down



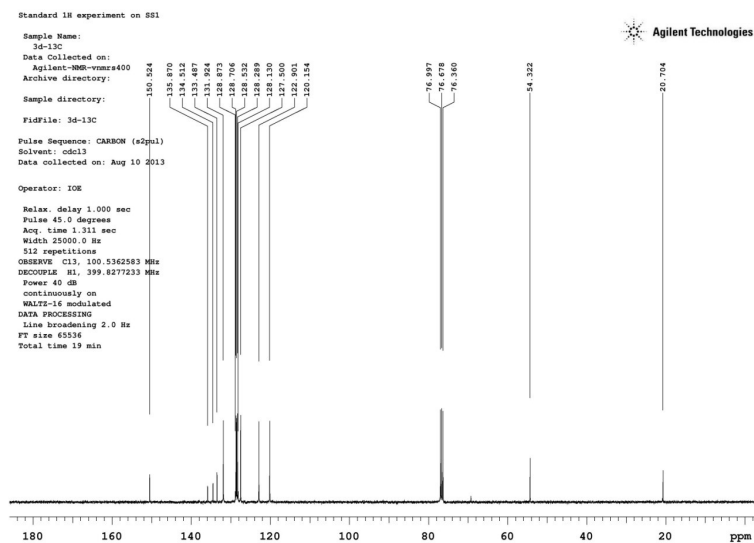
^1H NMR



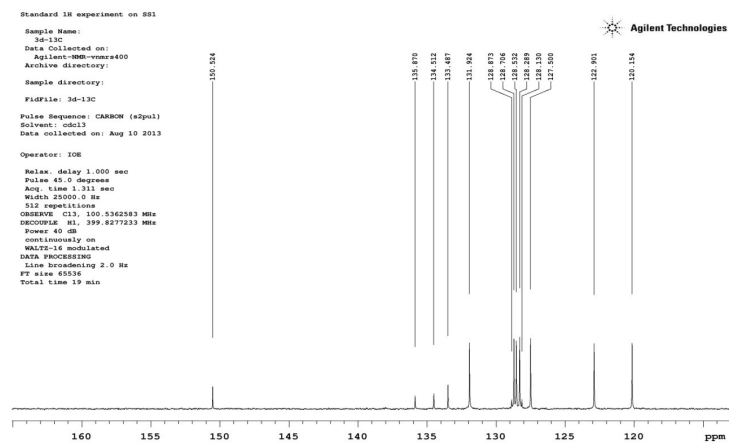
^1H NMR expansion



¹³ C NMR

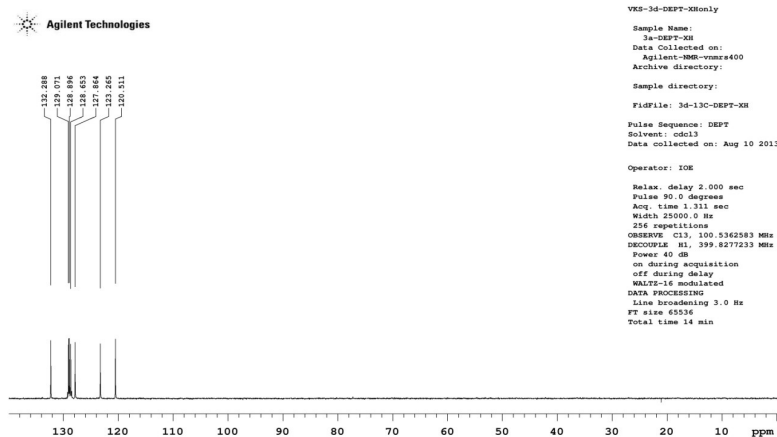


¹³ C NMR expansion



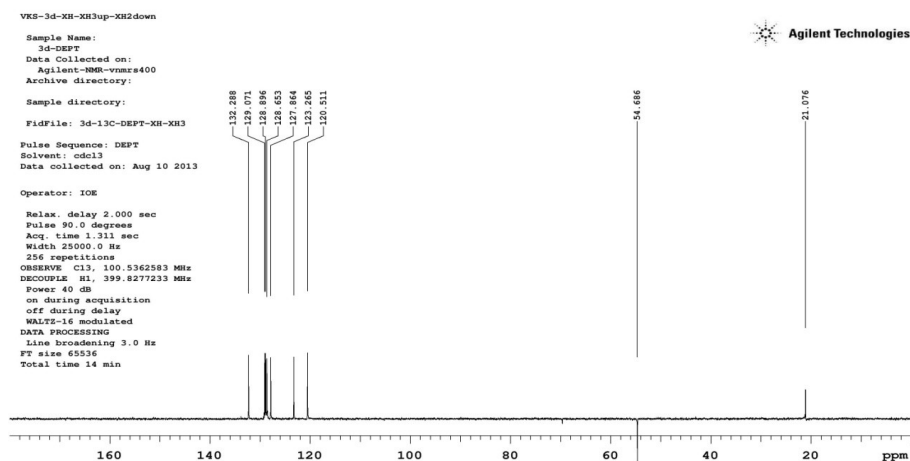
DEPT (Distortionless Enhancement by Polarization Transfer); Quaternary carbons are suppressed. CH and CH₃ carbons up and CH₂ carbons down.

Only CH carbon

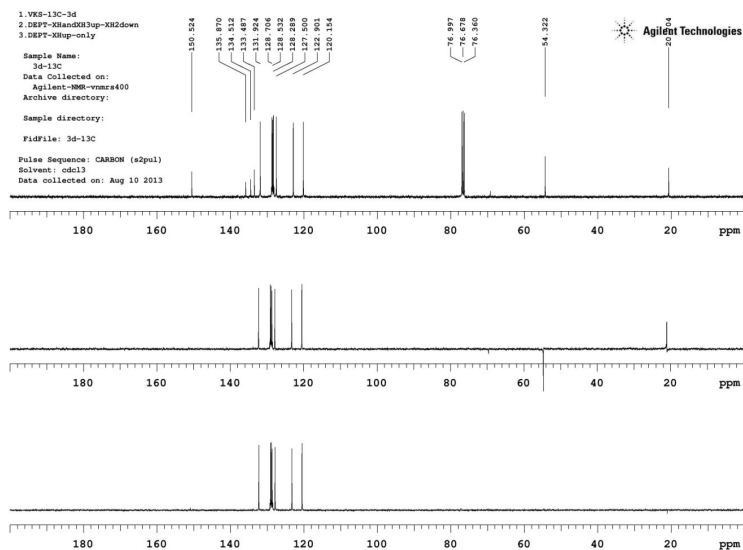


VKS-3d-DEPT-XHonly
Sample Name: 3d-DEPT-XH
Data Collected on: Agilent-NMR-vnmr400
Archive directory:
Sample directory:
FidFile: 3d-13C-DEPT-XH
Pulse Sequence: DEPT
Solvent: cdcl3
Data collected on: Aug 10 2013
Operator: IOE
Relax. delay 2.000 sec
Pulse 90.0 degrees
Acq. time 1.311 sec
Width 25000.0 Hz
256 repetitions
OBSERVE C13, 100.5362593 MHz
DECOUPLE H1, 399.8277233 MHz
Power 40 dB
on during acquisition
off during delay
WALTZ-16 modulated
DATA PROCESSING
Line broadening 3.0 Hz
FT size 65536
Total time 14 min

CH and CH₃ carbons up and CH₂ carbons down



VKS-3d-XH-XH3up-XH2down
Sample Name: 3d-DEPT
Data Collected on: Agilent-NMR-vnmr400
Archive directory:
Sample directory:
FidFile: 3d-13C-DEPT-XH-XH3
Pulse Sequence: DEPT
Solvent: cdcl3
Data collected on: Aug 10 2013
Operator: IOE
Relax. delay 2.000 sec
Pulse 90.0 degrees
Acq. time 1.311 sec
Width 25000.0 Hz
256 repetitions
OBSERVE C13, 100.5362593 MHz
DECOUPLE H1, 399.8277233 MHz
Power 40 dB
on during acquisition
off during delay
WALTZ-16 modulated
DATA PROCESSING
Line broadening 3.0 Hz
FT size 65536
Total time 14 min



1. VKS-13C-3d
2. DEPT-XH-XH3up-XH2down
3. DEPT-XHup-only
Sample Name: 3d-13C
Data Collected on: Agilent-NMR-vnmr400
Archive directory:
Sample directory:
FidFile: 3d-13C
Pulse Sequence: CARBON (s2pul)
Solvent: cdcl3
Data collected on: Aug 10 2013