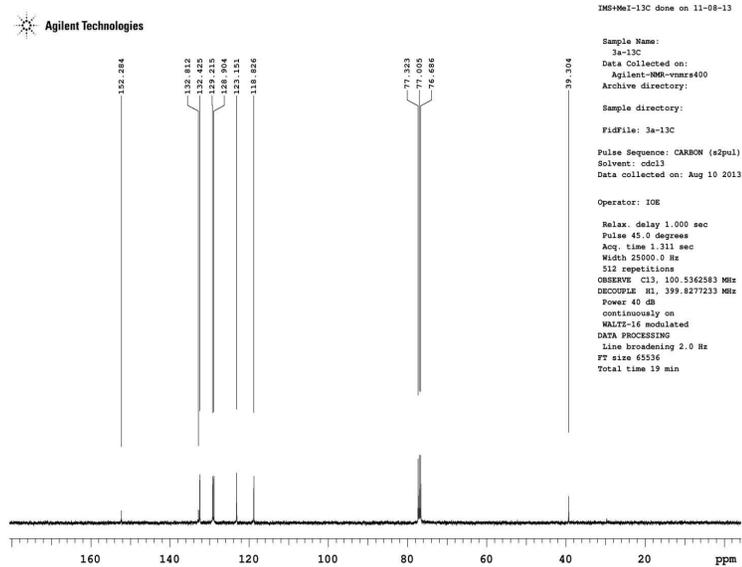
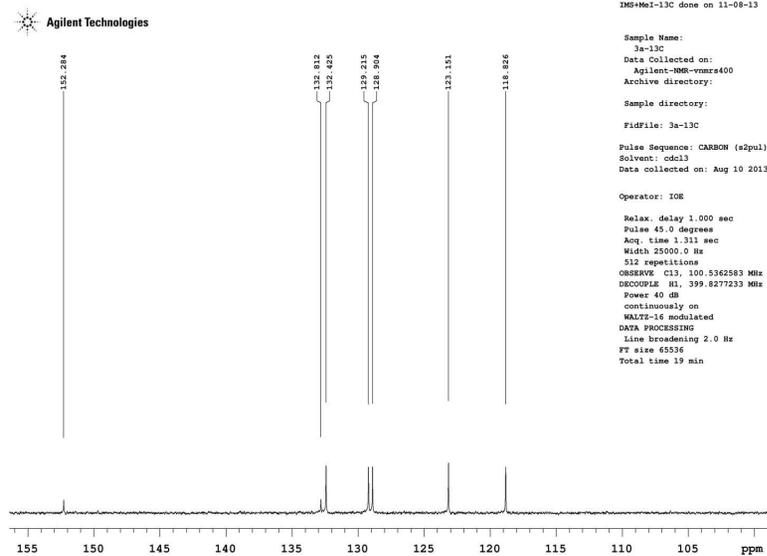


¹³C NMR

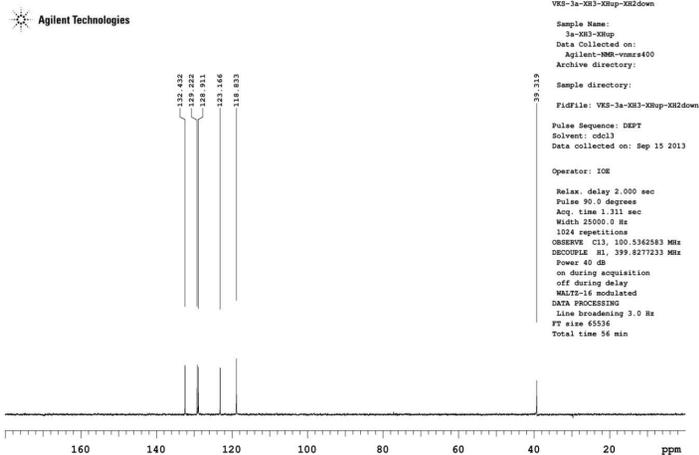


¹³C NMR expansion

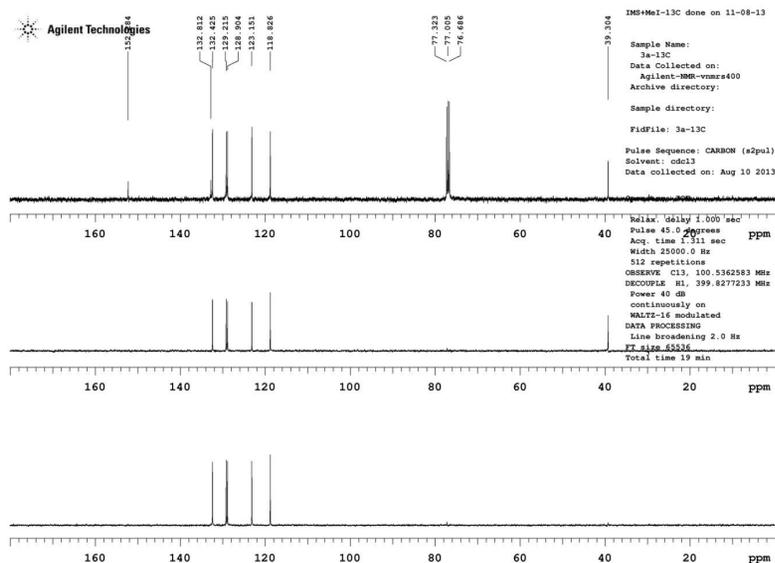
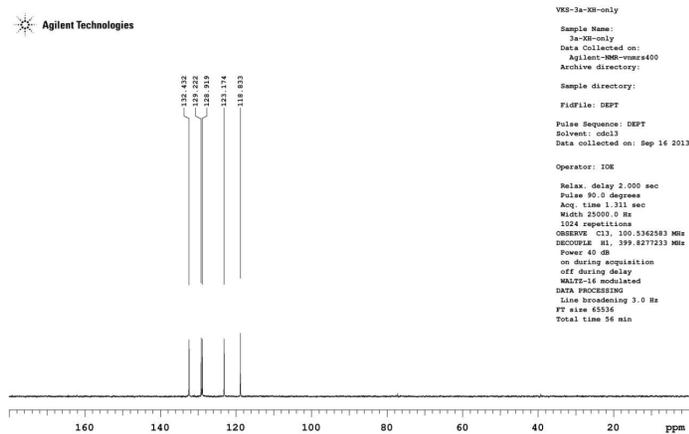


DEPT (Distortionless Enhancement by Polarization Transfer); Quaternary carbons are suppressed. CH and CH₃ carbons up and CH₂ carbons down.

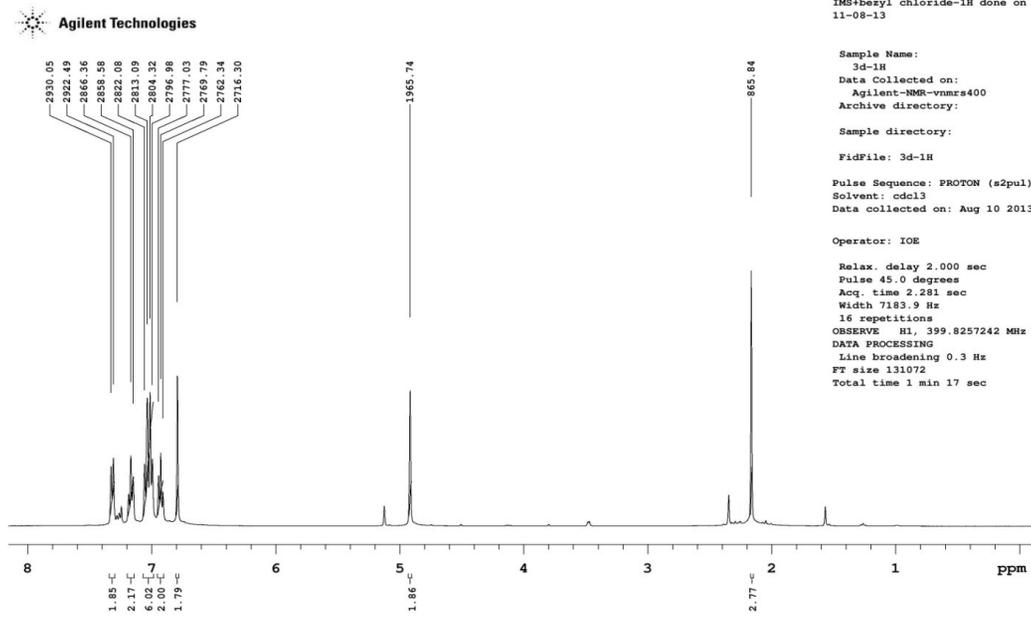
Only CH carbon



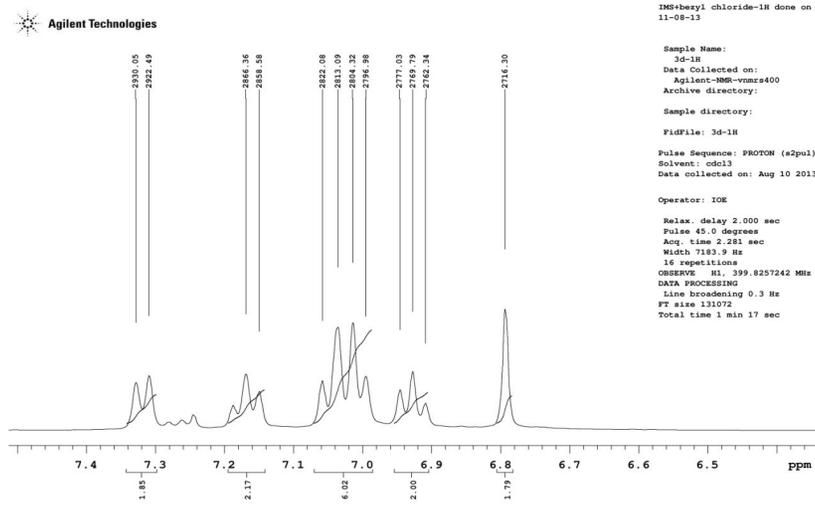
CH and CH₃ carbons up and CH₂ carbons down



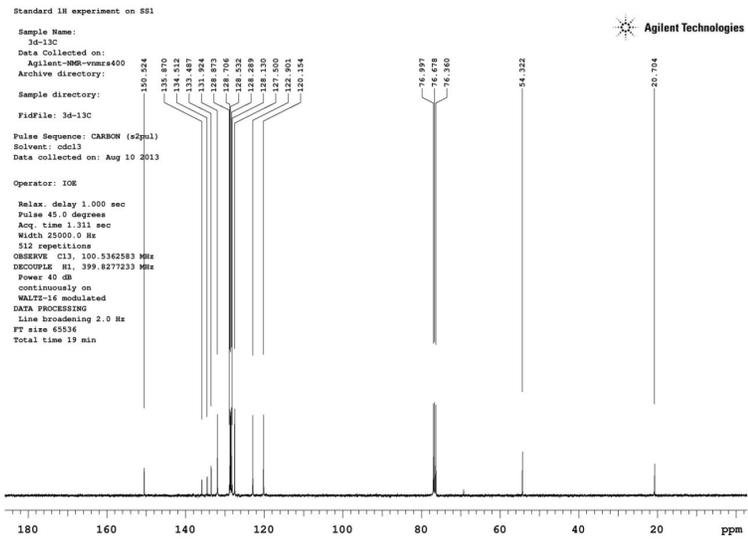
¹H NMR



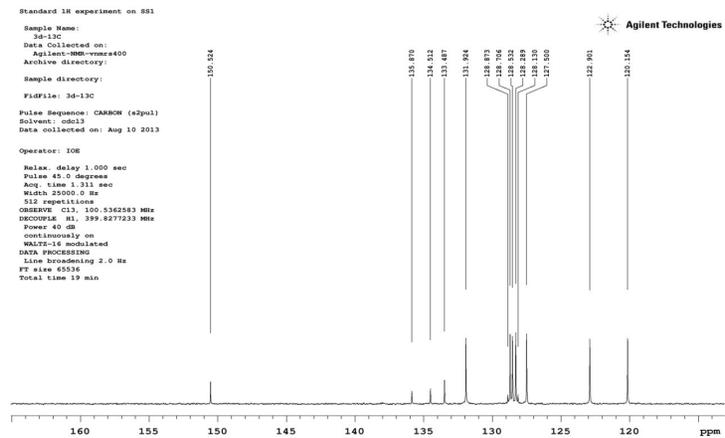
¹H NMR expansion



¹³C NMR

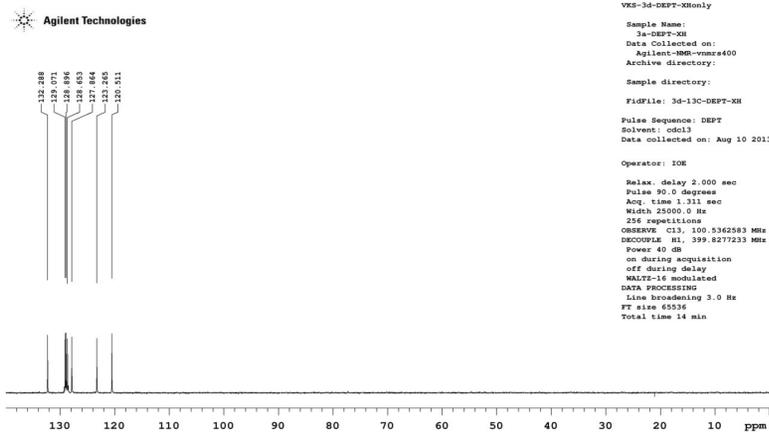


¹³C NMR expansion



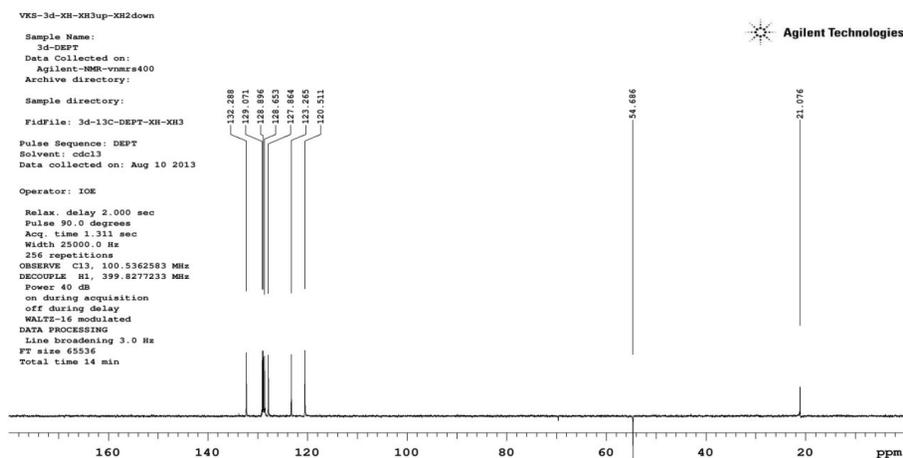
DEPT (Distortionless Enhancement by Polarization Transfer); Quaternary carbons are suppressed. CH and CH₃ carbons up and CH₂ carbons down.

Only CH carbon

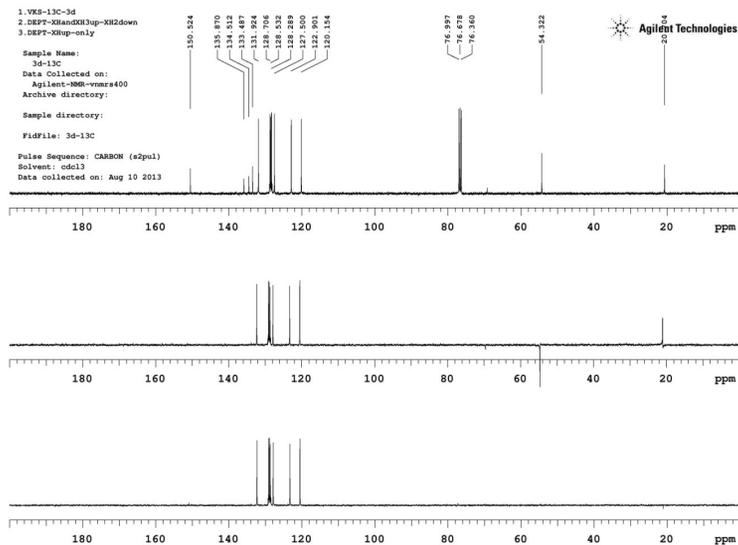


VKS-3d-DEPT-XHonly
 Sample Name: 3d-DEPT-XH
 Data Collected on: Agilent-NMR-vmr400
 Archive directory:
 Sample directory:
 FidFile: 3d-13C-DEPT-XH
 Pulse Sequence: DEPT
 Solvent: cdcl3
 Data collected on: Aug 10 2013
 Operator: IOE
 Relax. delay 2.000 sec
 Pulse 90.0 degrees
 Acq. time 1.211 sec
 Width 25000.0 Hz
 256 repetitions
 OBSERVE CH1, 100.5362583 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-vmr400
 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 1.211 sec
 Width 25000.0 Hz
 256 repetitions
 OBSERVE CH1, 100.5362583 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



Sample Name: 3d-13C
 Data Collected on: Agilent-NMR-vmr400
 Archive directory:
 Sample directory:
 FidFile: 3d-13C
 Pulse Sequence: CARBON (s2pul)
 Solvent: cdcl3
 Data collected on: Aug 10 2013