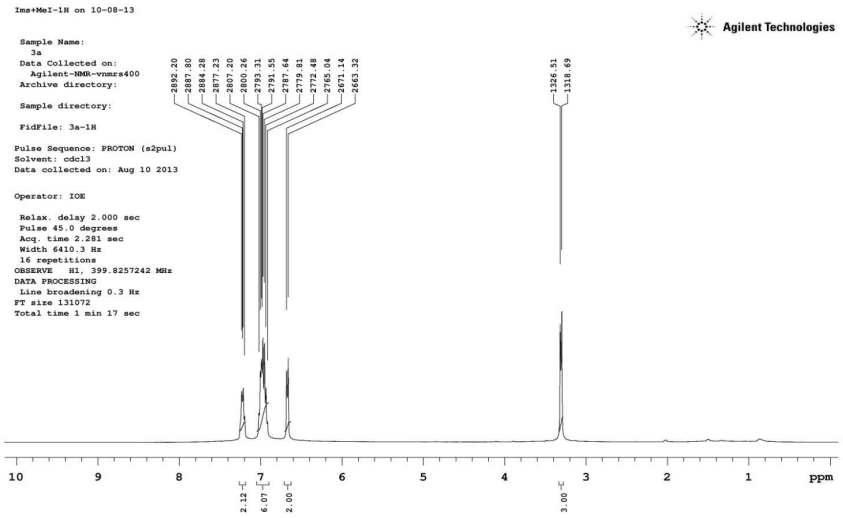
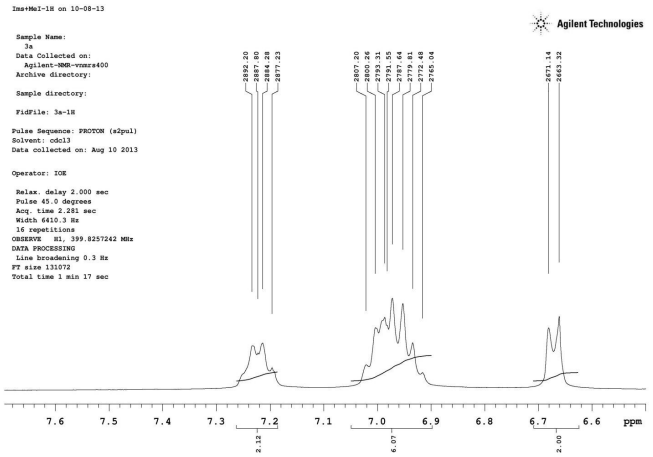
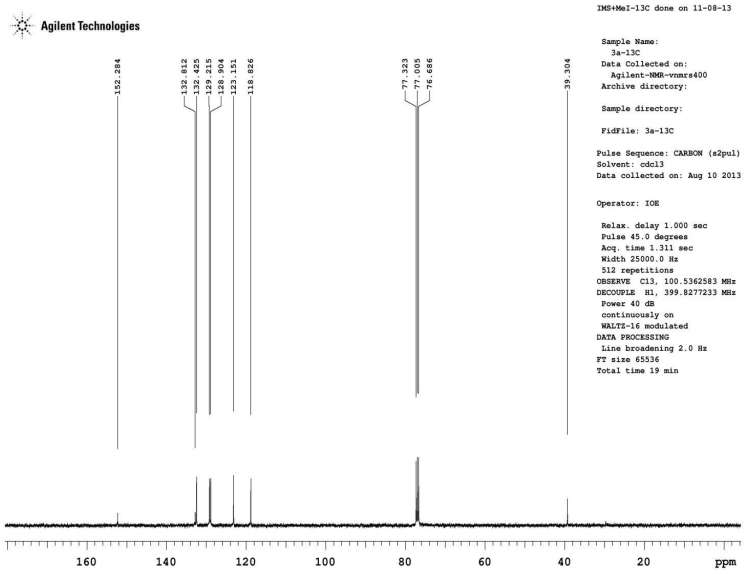
^{1}H NMR



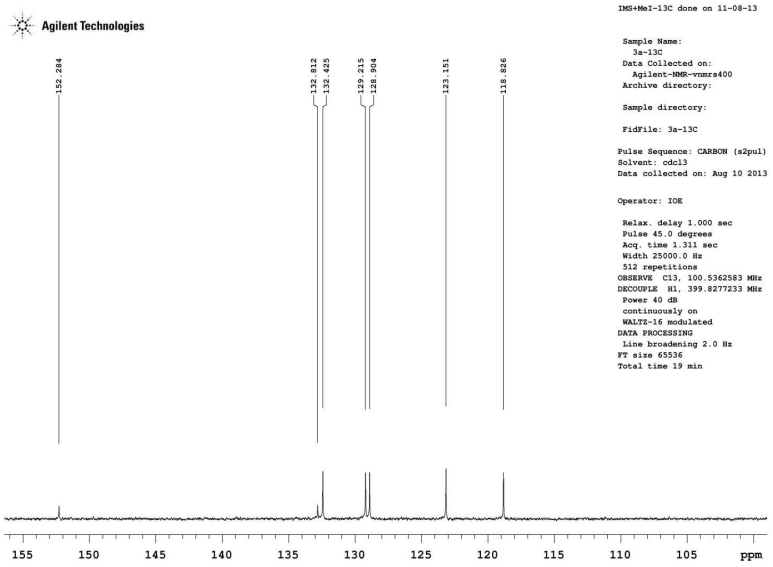
^{1}H NMR expansion



^{13}C NMR

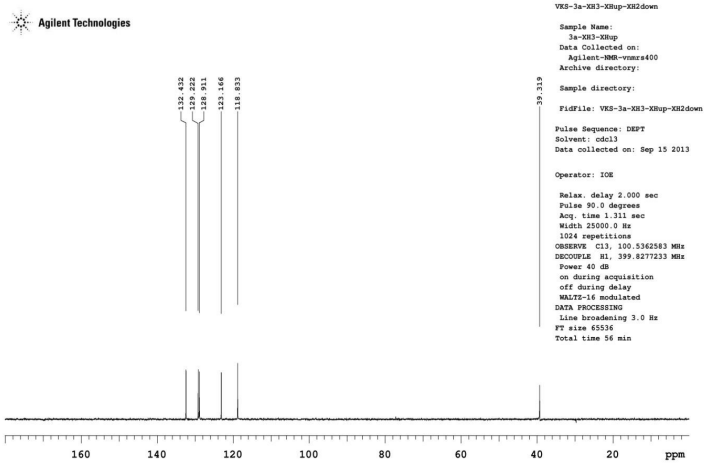


^{13}C NMR expansion

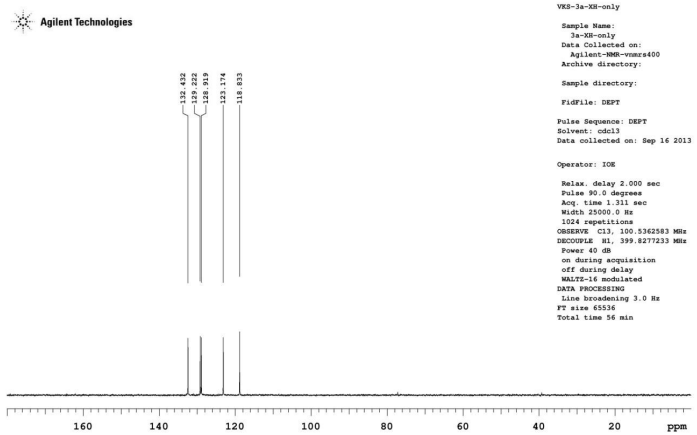


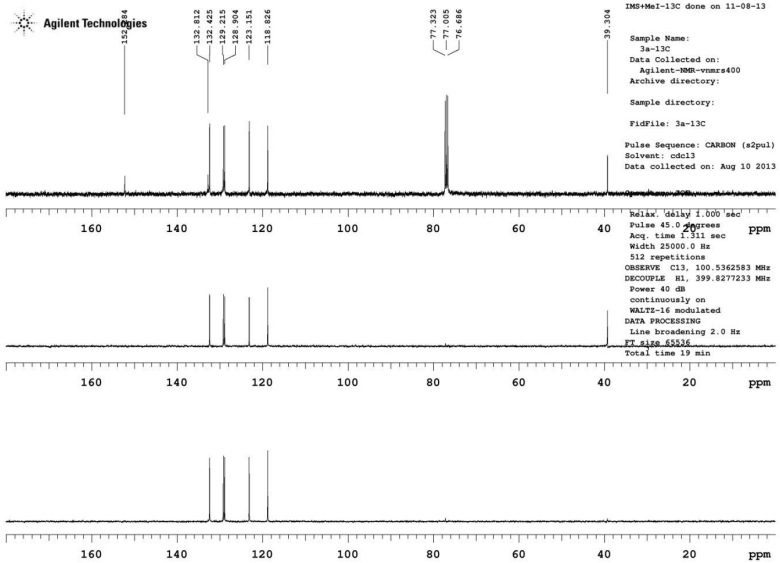
DEPT (Distortionless Enhancement by Polarization Transfer); Quaternary carbons are suppressed. CH and CH_3 carbons up and CH_2 carbons down.

Only CH carbon

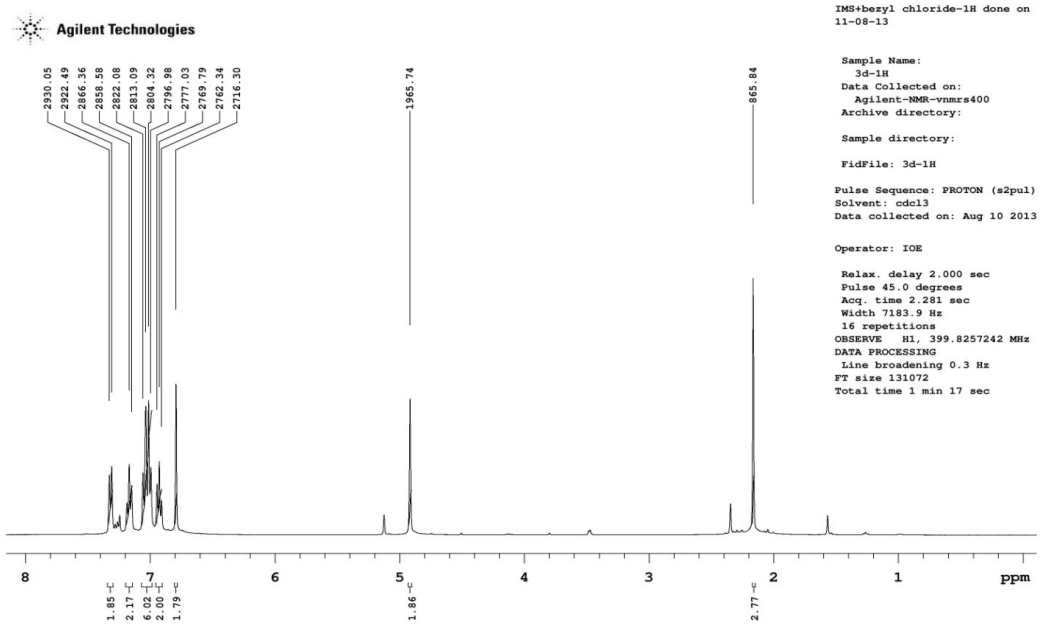


CH and CH_3 carbons up and CH_2 carbons down

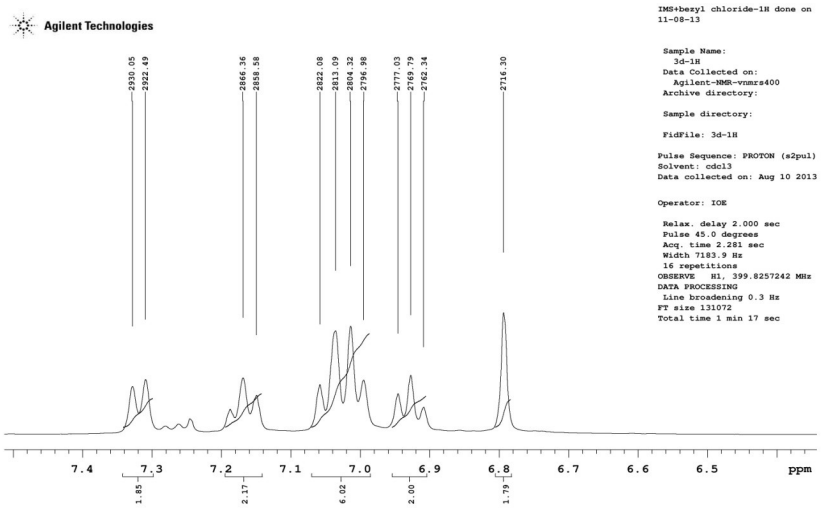




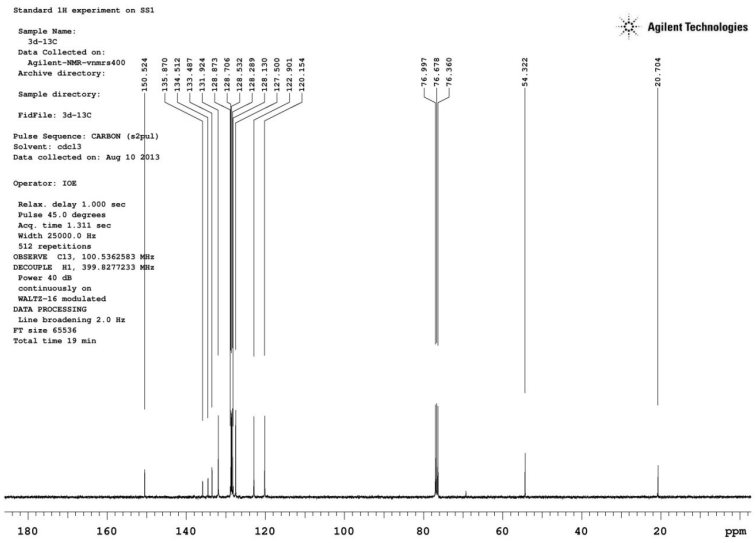
^{1}H NMR



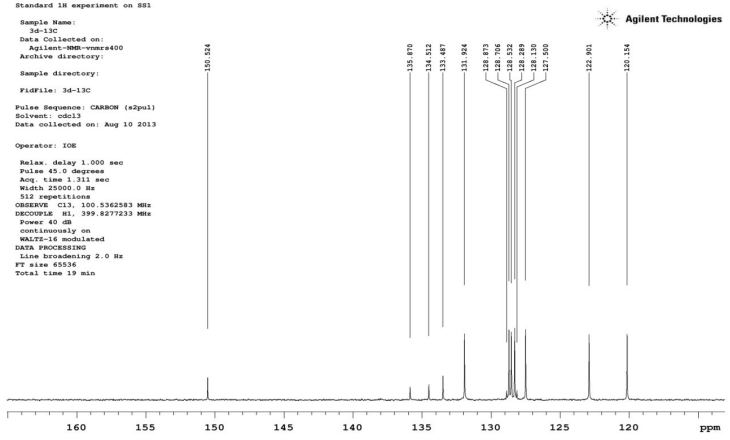
^{1}H NMR expansion



^{13} C NMR



^{13} C NMR expansion



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