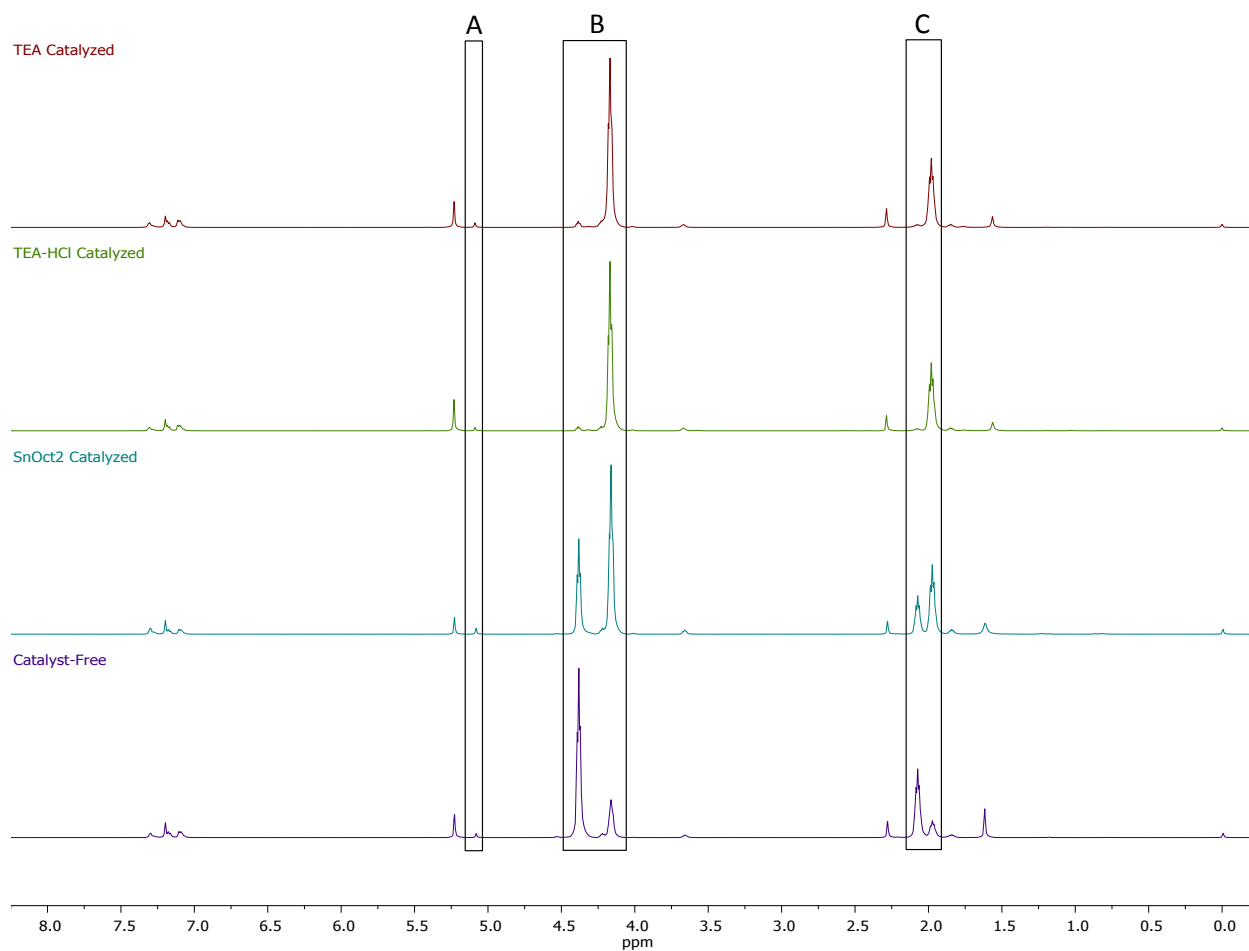
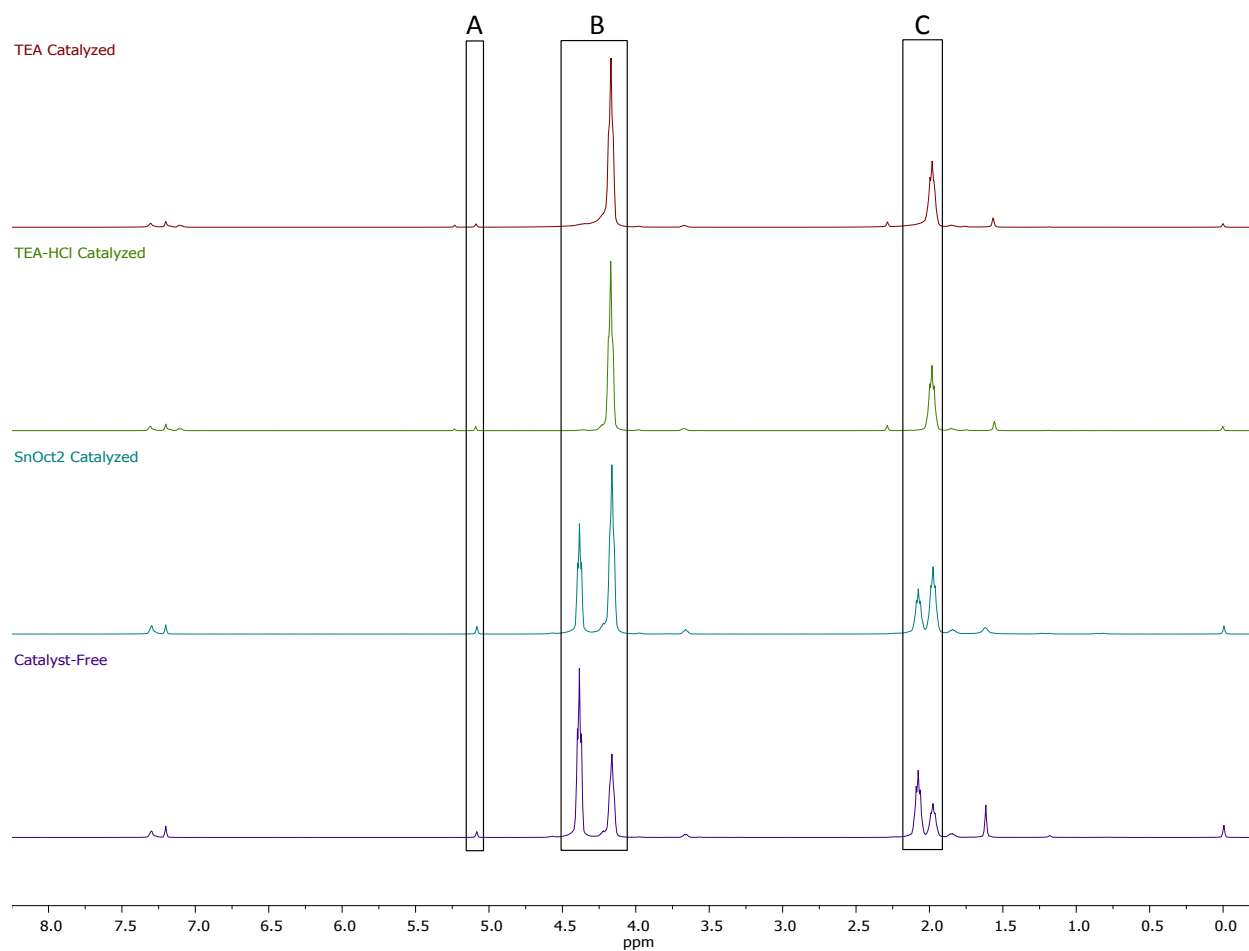
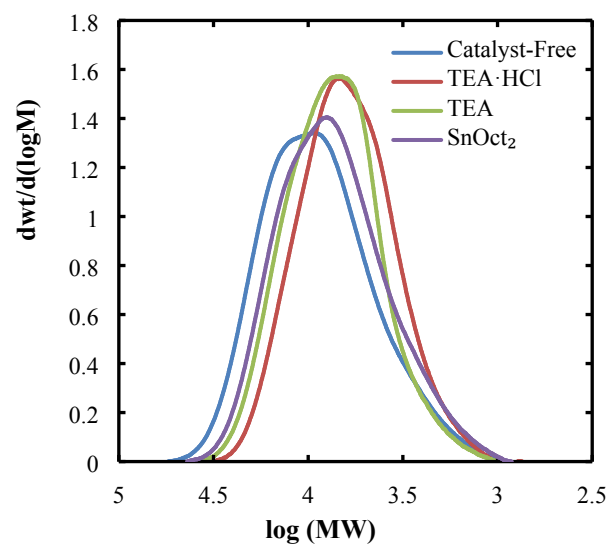




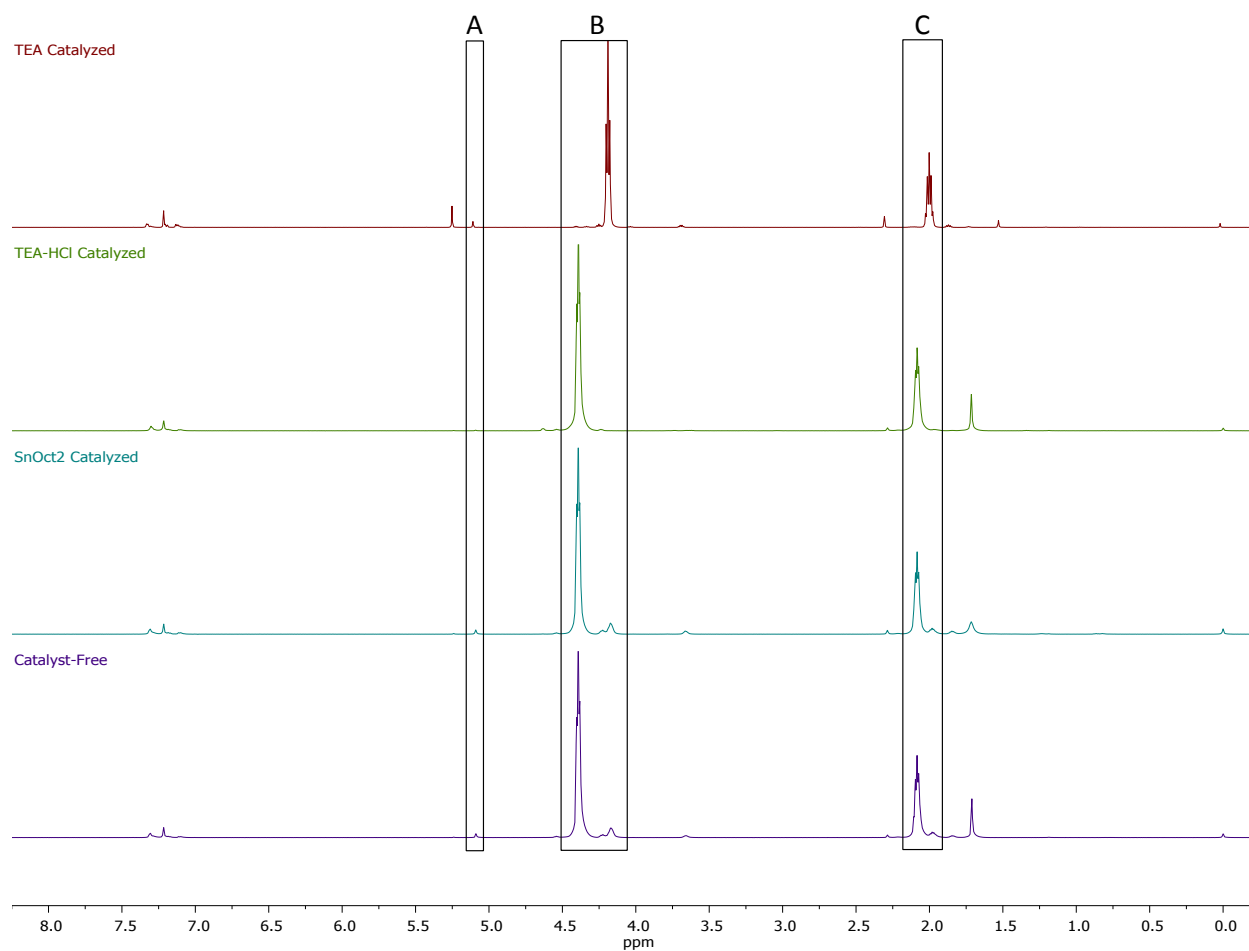
Supplemental Figure 1. Representative ^1H NMR spectra for the polymerization of TMC at 110 °C with various catalysts and using benzyl alcohol as initiator after 40 min. A. CH_2 on initiator. B. $2 \times \text{CH}_2$ on TMC (left peak) and PTMC (right peak). C. Central CH_2 on TMC (left peak) and PTMC (right peak).



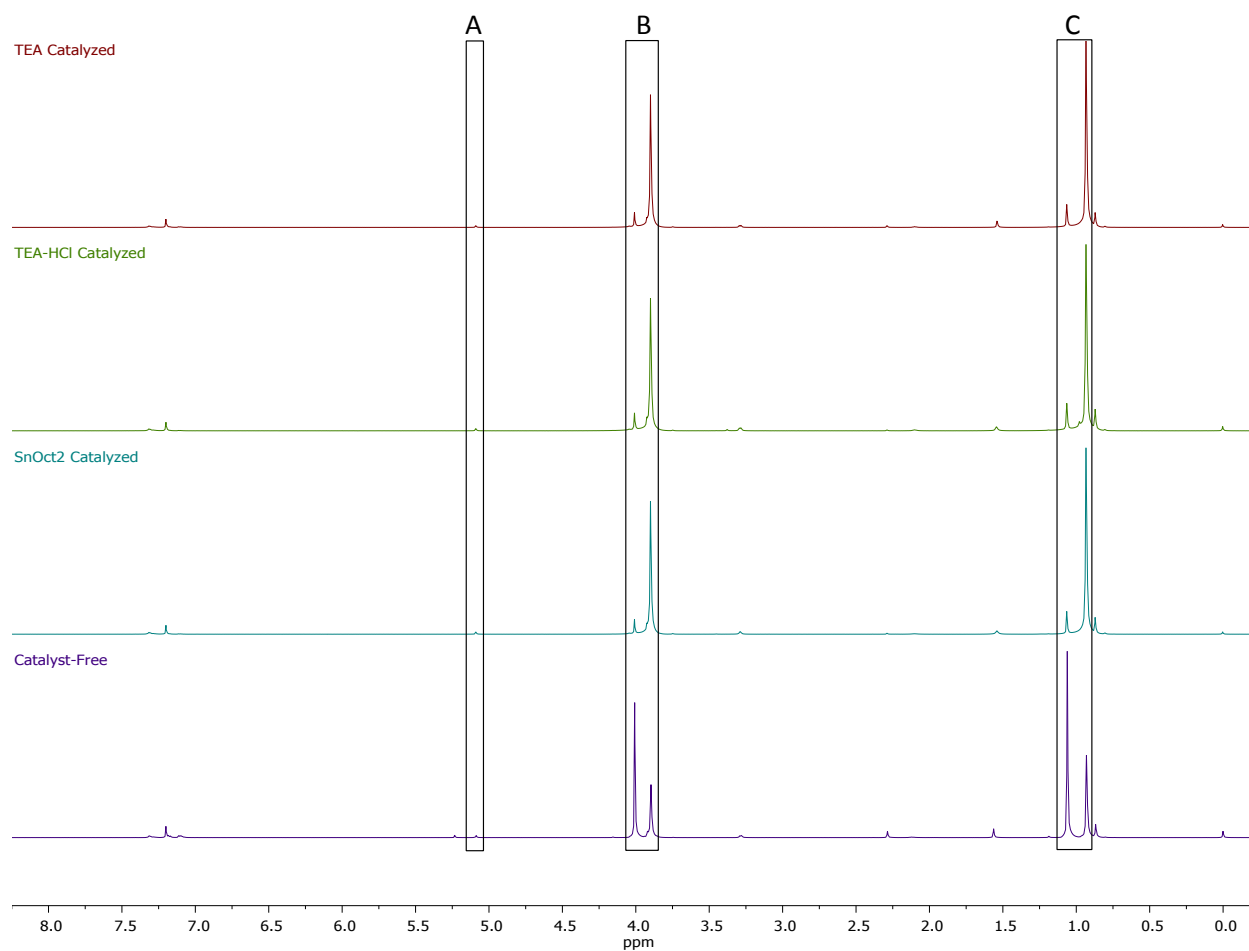
Supplemental Figure 2. Representative ^1H NMR spectra for the polymerization of TMC at 85 °C with various catalysts and using benzyl alcohol as initiator after 12 h (6 h for TEA). A. CH_2 on initiator. B. $2 \times \text{CH}_2$ on TMC (left peak) and PTMC (right peak). C. Central CH_2 on TMC (left peak) and PTMC (right peak).



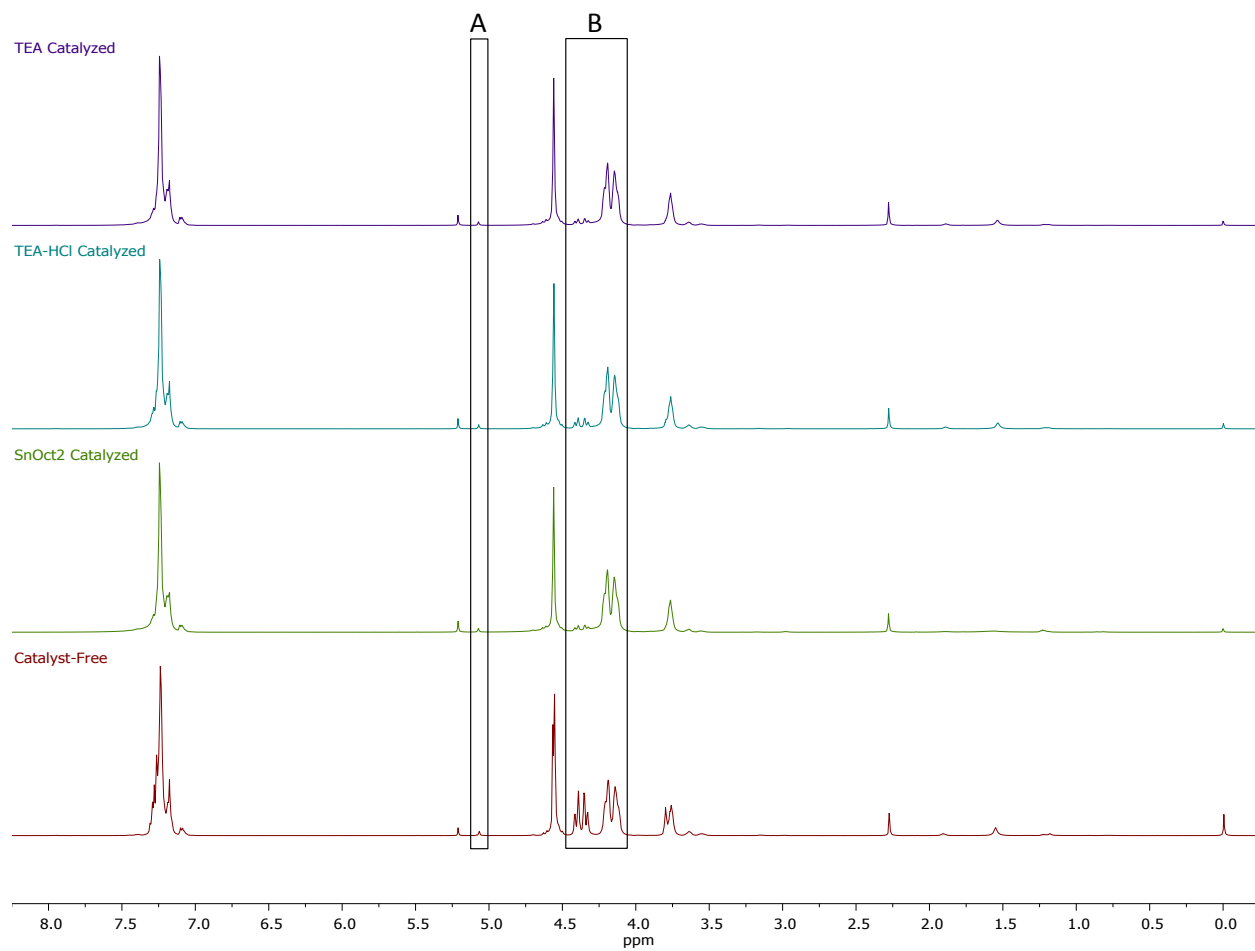
Supplemental Figure 3. Molecular weight distributions from GPC for polymerization of TMC at 85 °C with various catalysts and using benzyl alcohol as initiator.



Supplemental Figure 4. Representative ^1H NMR spectra for the polymerization of TMC at 65 °C with various catalysts and using benzyl alcohol as initiator after 12 h (8 h for TEA). A. CH_2 on initiator. B. 2 x CH_2 on TMC (left peak) and PTMC (right peak). C. Central CH_2 on TMC (left peak) and PTMC (right peak).



Supplemental Figure 5. Representative ^1H NMR spectra for the polymerization of NPC at 130 °C with various catalysts and using benzyl alcohol as initiator after 2 h. A. CH_2 on initiator. B. 2 x CH_2 on monomer (left peak) and polymer (right peak). C. 2 x pendant CH_3 on monomer (left peak) and polymer (right peak).



Supplemental Figure 6. Representative ^1H NMR spectra for the polymerization of BTMC at 150 °C with various catalysts and using benzyl alcohol as initiator after 45 min. A. CH_2 on initiator. B. $2 \times \text{CH}_2$ on monomer (left peak) and polymer (right peak).