

Supporting Information:

Physical pinning and chemical crosslinking induced relaxor ferroelectric behavior in P(VDF-*ter*-TrFE-*ter*-VA) terpolymers

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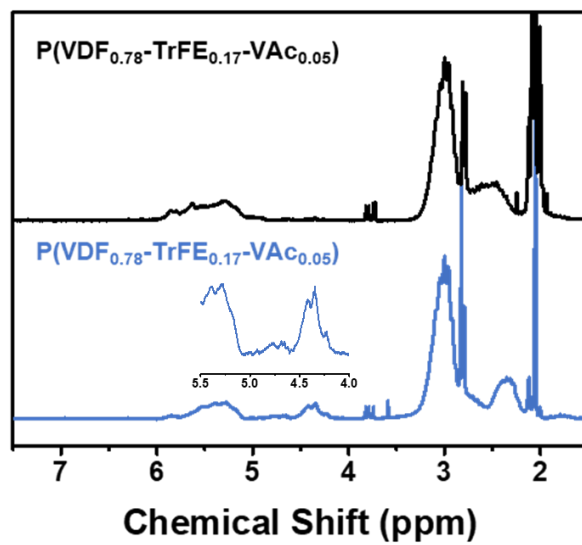


Figure S1. ^1H NMR spectra of $\text{P}(\text{VDF}_{0.78}\text{-ter-TrFE}_{0.17}\text{-ter-VAc}_{0.05})$ and $\text{P}(\text{VDF}_{0.78}\text{-ter-TrFE}_{0.17}\text{-ter-VA}_{0.05})$.

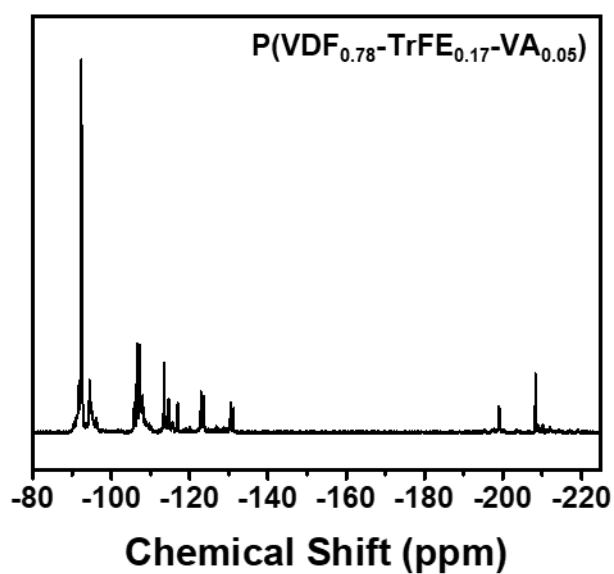


Figure S2. ^1F NMR spectrum of $\text{P}(\text{VDF}_{0.78}\text{-ter-TrFE}_{0.17}\text{-ter-VA}_{0.05})$.

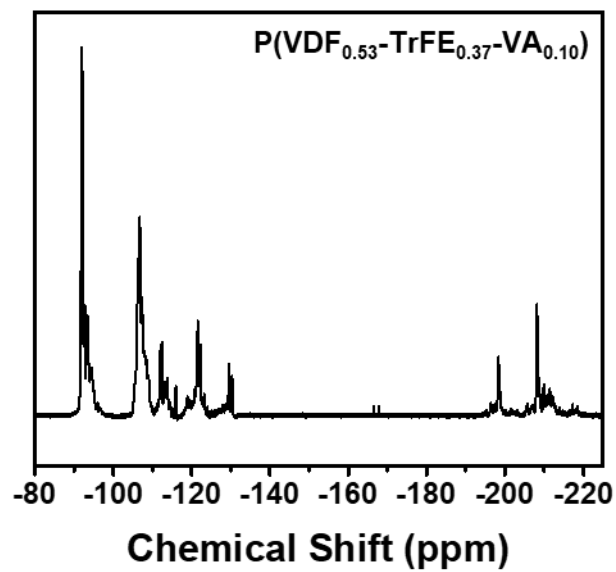


Figure S3. ${}^1\text{F}$ NMR spectrum of $\text{P}(\text{VDF}_{0.53}\text{-}i\text{ter-TrFE}_{0.37}\text{-}i\text{ter-VA}_{0.10})$.

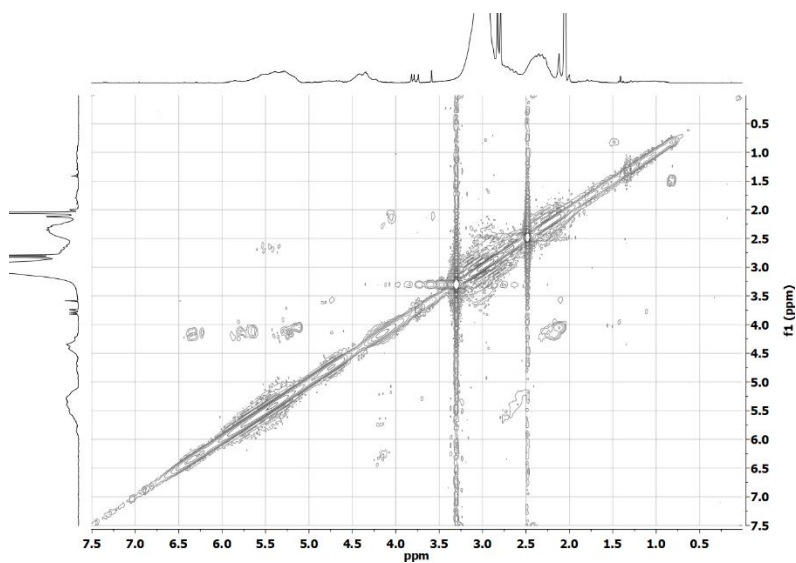


Figure S4. ${}^1\text{H}$ NMR COSY spectrum of $\text{P}(\text{VDF}_{0.78}\text{-}i\text{ter-TrFE}_{0.17}\text{-}i\text{ter-VA}_{0.05})$.

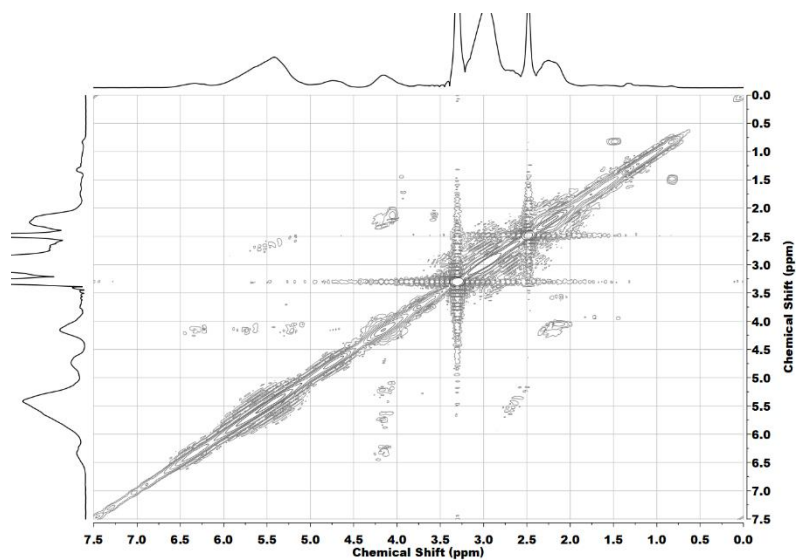


Figure S5. ^1H NMR COSY spectrum of $\text{P}(\text{VDF}_{0.53}\text{-ter-TrFE}_{0.37}\text{-ter-VA}_{0.10})$.

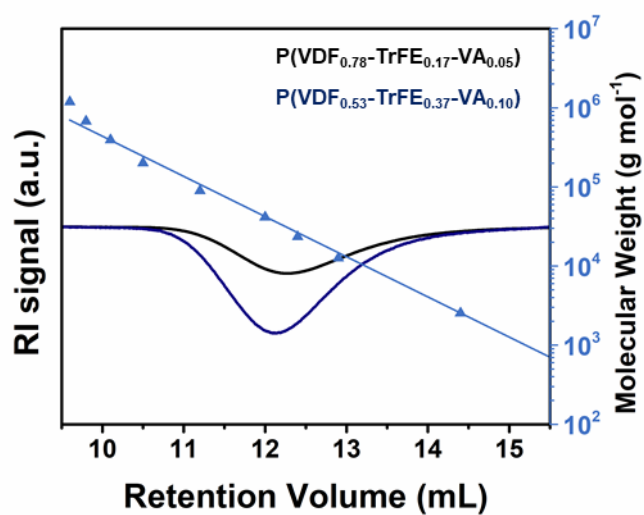


Figure S6. GPC traces of $\text{P}(\text{VDF}_{0.78}\text{-ter-TrFE}_{0.17}\text{-ter-VA}_{0.05})$ and $\text{P}(\text{VDF}_{0.53}\text{-ter-TrFE}_{0.37}\text{-ter-VA}_{0.10})$.

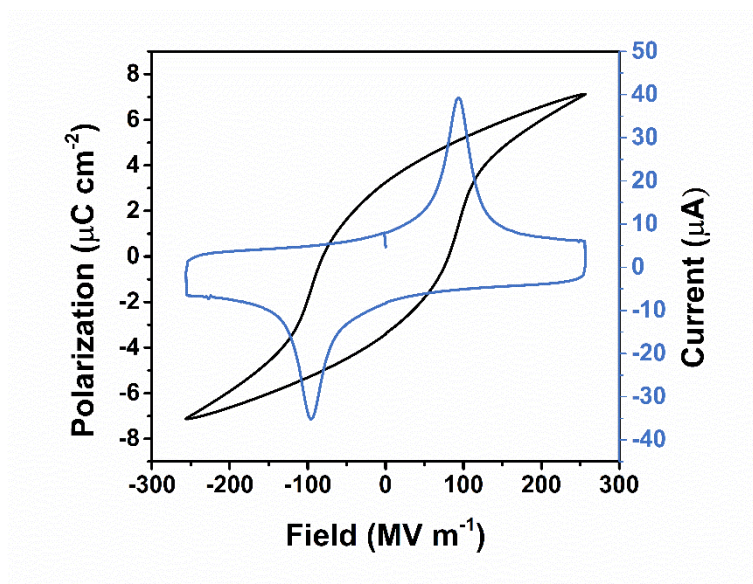


Figure S7. D-E loop of P(VDF_{0.78}-*ter*-TrFE_{0.17}-*ter*-VA_{0.05}).