

Supplementary materials:

Synthesis of 1,1,3,3,5,5-Hexamethyl-7,7-diorganocyclotetrasiloxanes and its Copolymers

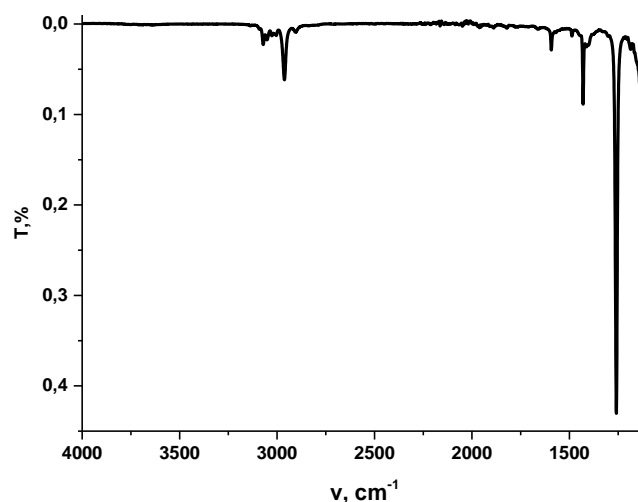


Figure S1. IR spectra of 1,1,3,3,5,5,7-heptamethyl-7-vinylcyclotetrasiloxane

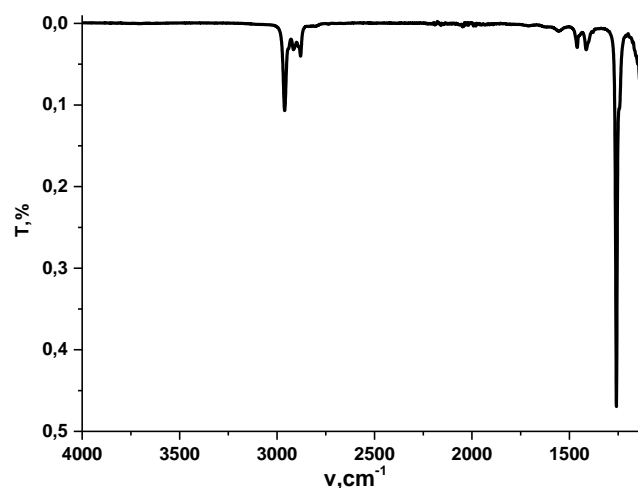


Figure S2. IR spectra of 7,7-diethyl-1,1,3,3,5,5-hexamethylcyclotetrasiloxane

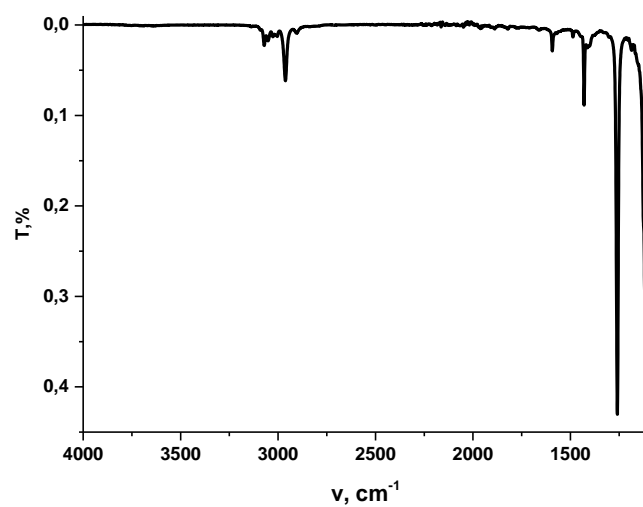


Figure S3. IR spectra of 1,1,3,3,5,5-hexamethyl-7,7-diphenylcyclotetrasiloxane

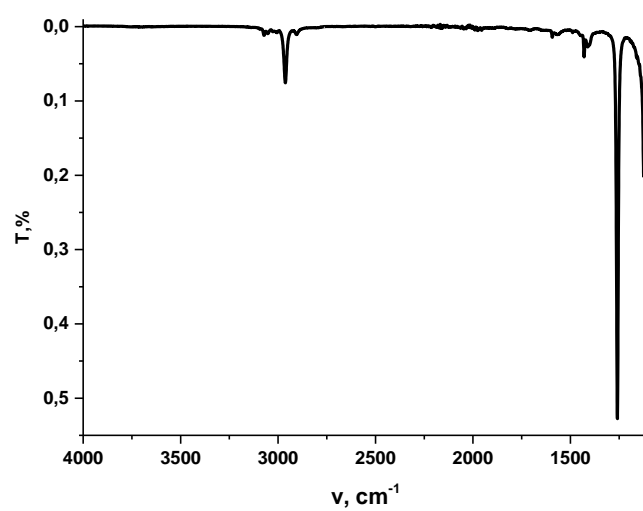


Figure S4. IR spectra of 1,1,3,3,5,5,7-heptamethyl-7-phenylcyclotetrasiloxane

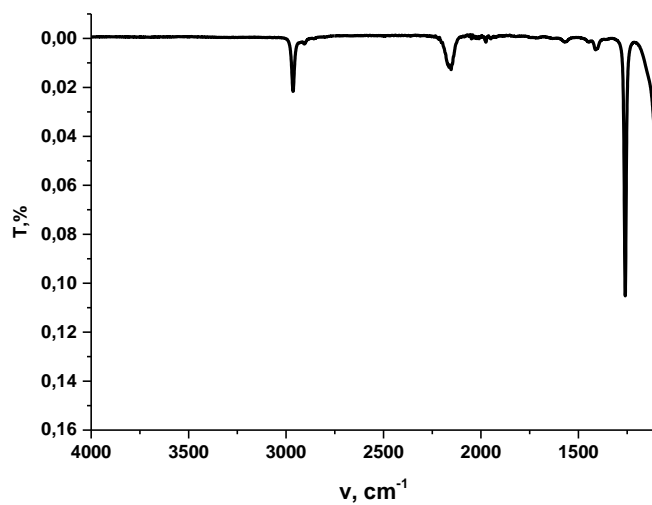


Figure S5. IR spectra of 7-hydro-1,1,3,3,5,5,7-heptamethylcyclotetrasiloxane

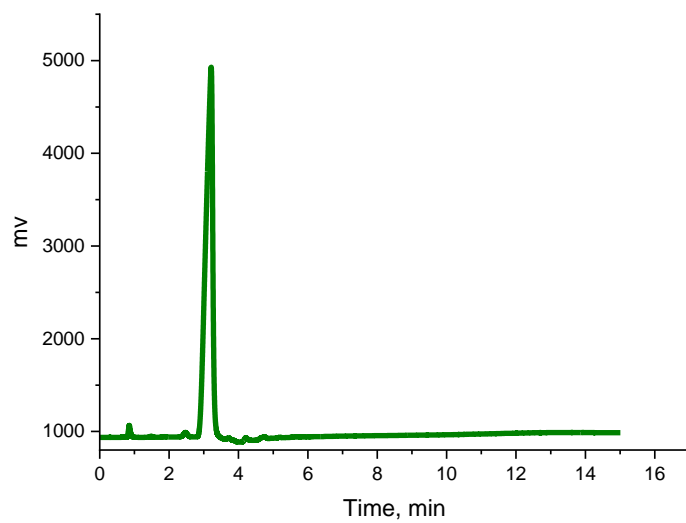


Figure S6. GLC curve of 1,1,3,3,5,5,7-heptamethyl-7-vinylcyclotetrasiloxane

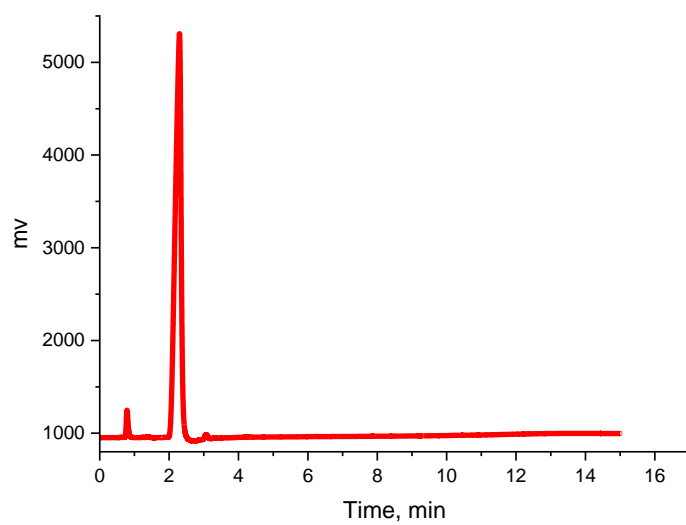


Figure S7. GLC curve of 7-hydro-1,1,3,3,5,5,7-heptamethylcyclotetrasiloxane

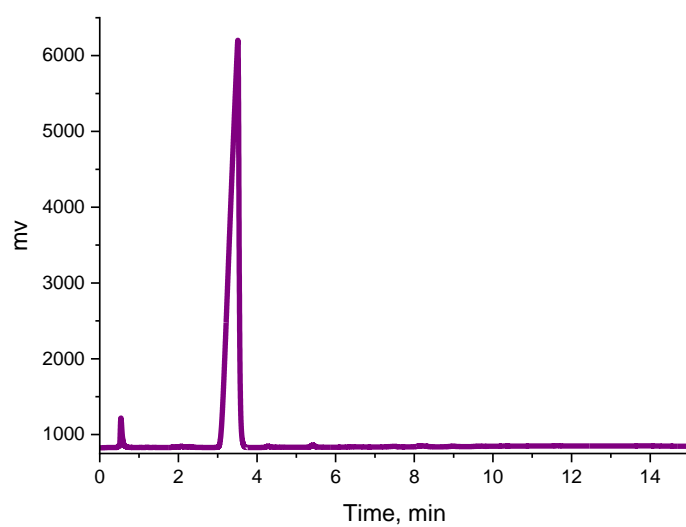


Figure S8. GLC curve of 7,7-diethyl-1,1,3,3,5,5-hexamethylcyclotetrasiloxane

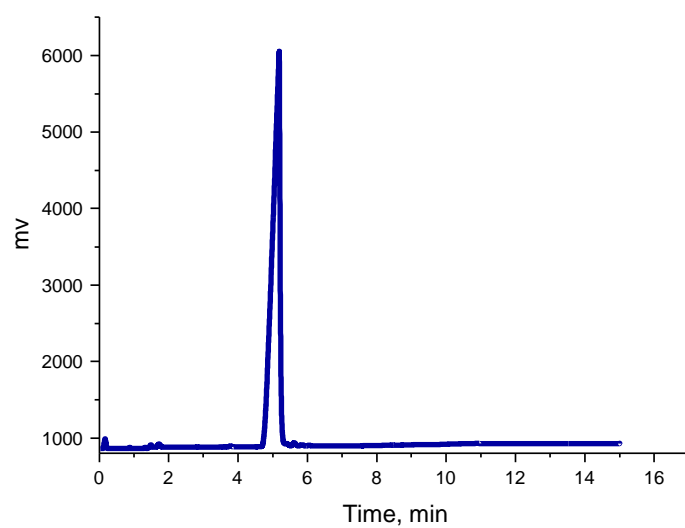


Figure S9. GLC curve of 1,1,3,3,5,5,7-heptamethyl-7-phenylcyclotetrasiloxane

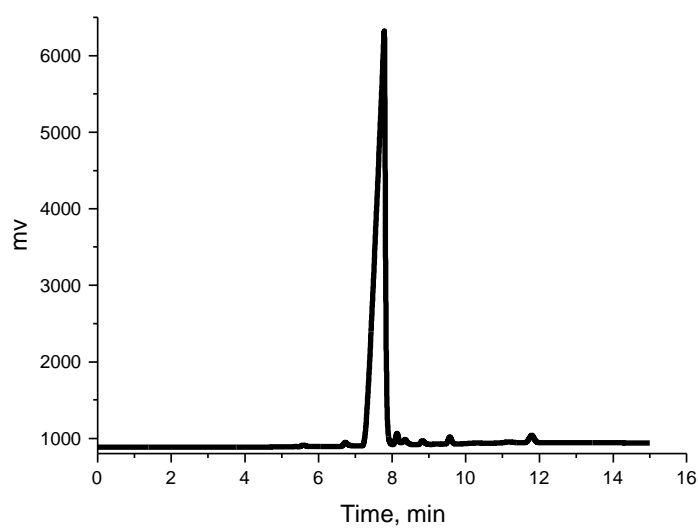


Figure S10. GLC curve of 1,1,3,3,5,5-hexamethyl-7,7-diphenylcyclotetrasiloxane

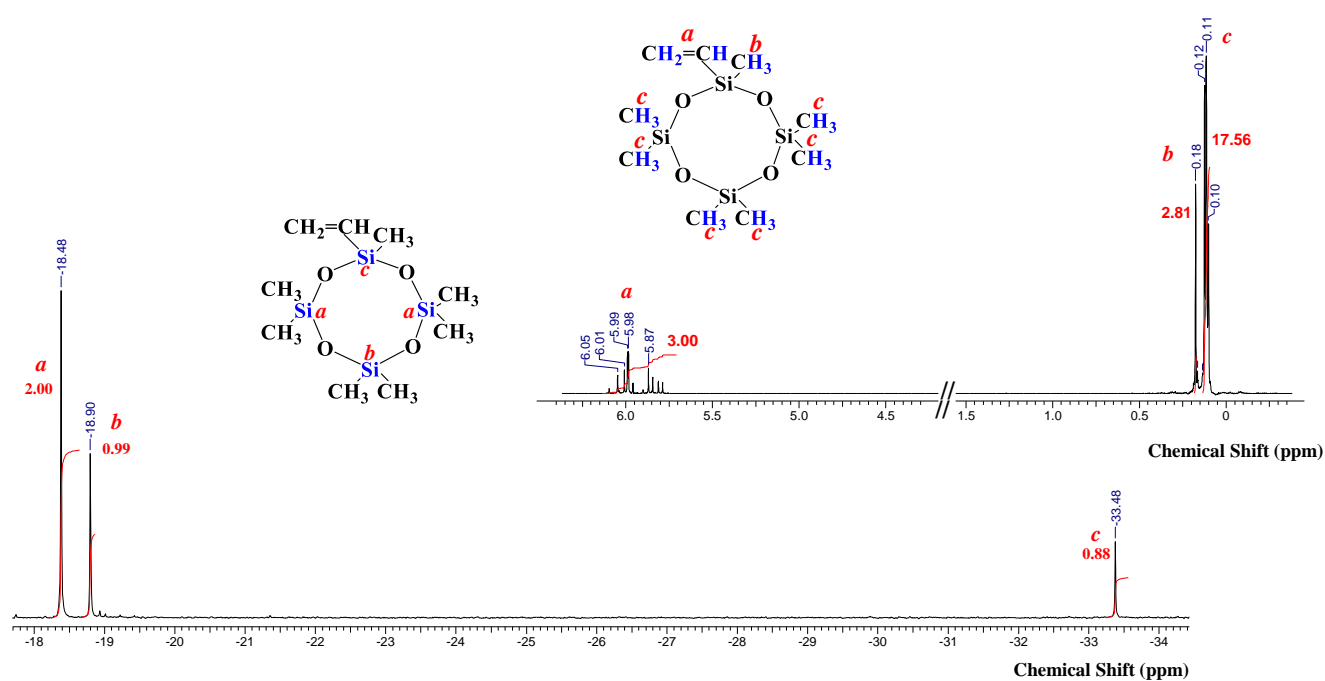
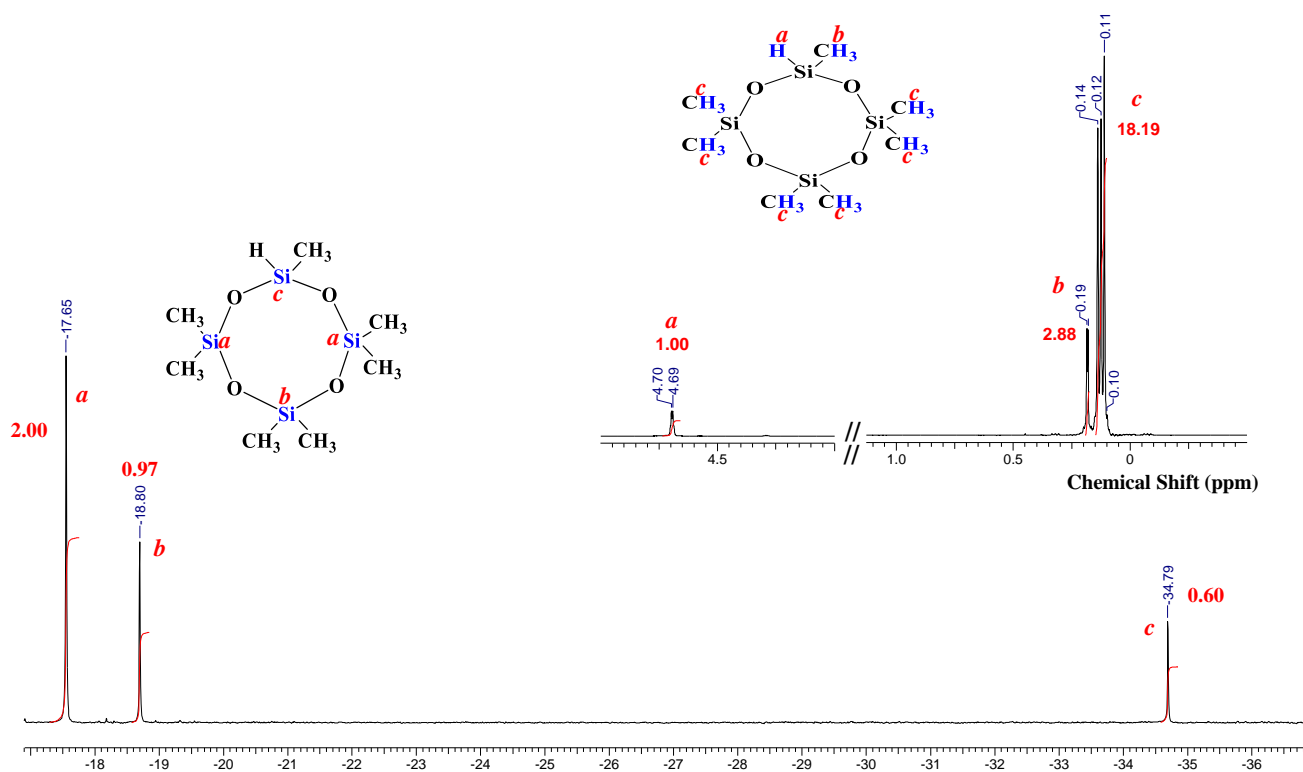
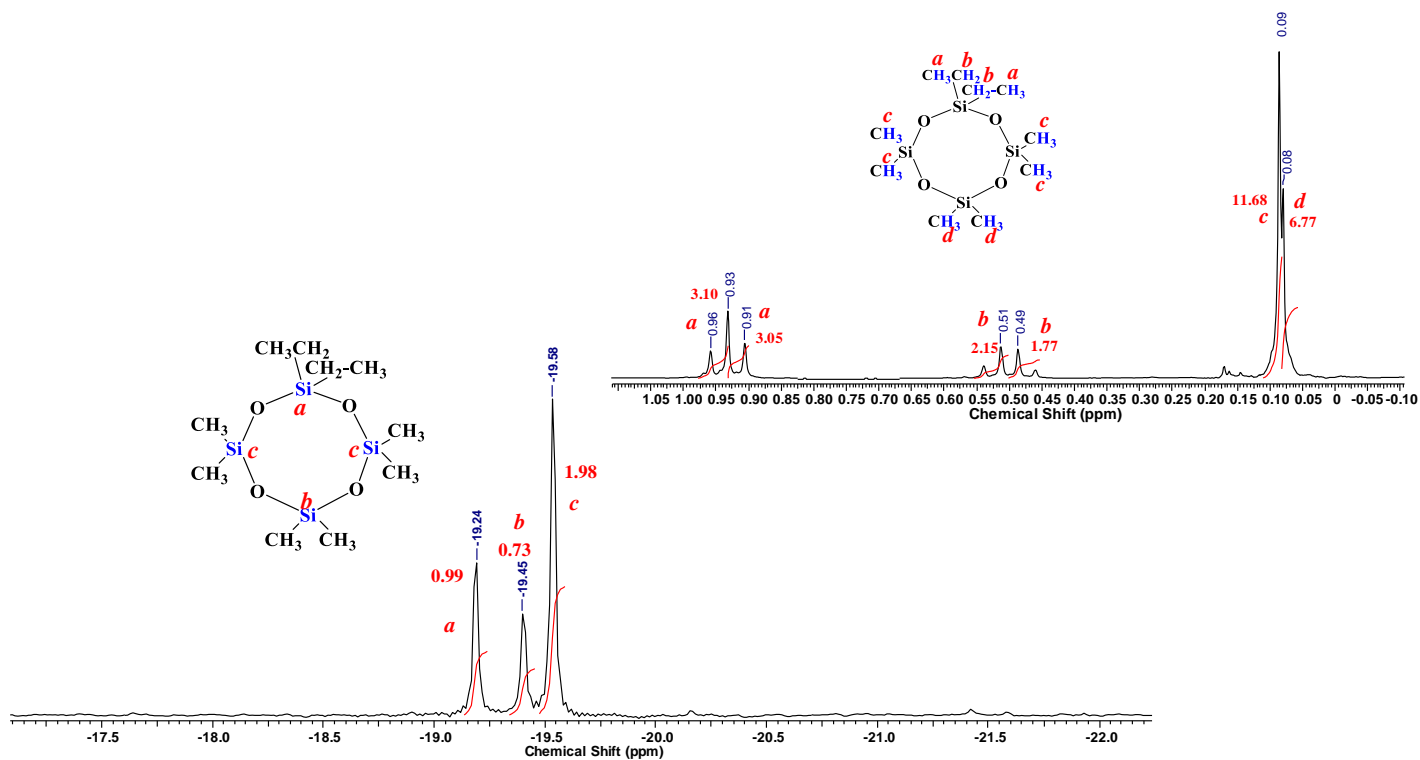
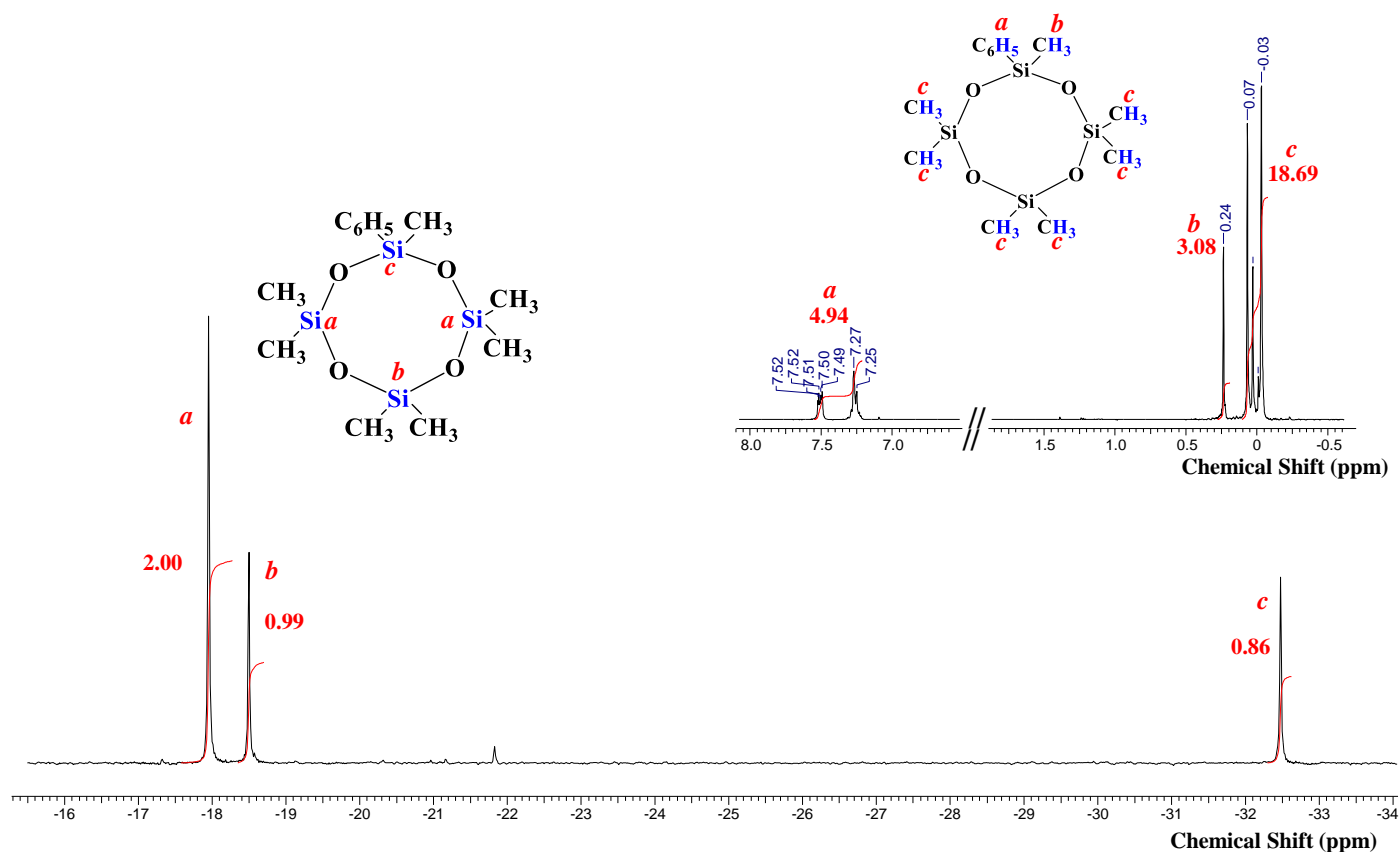
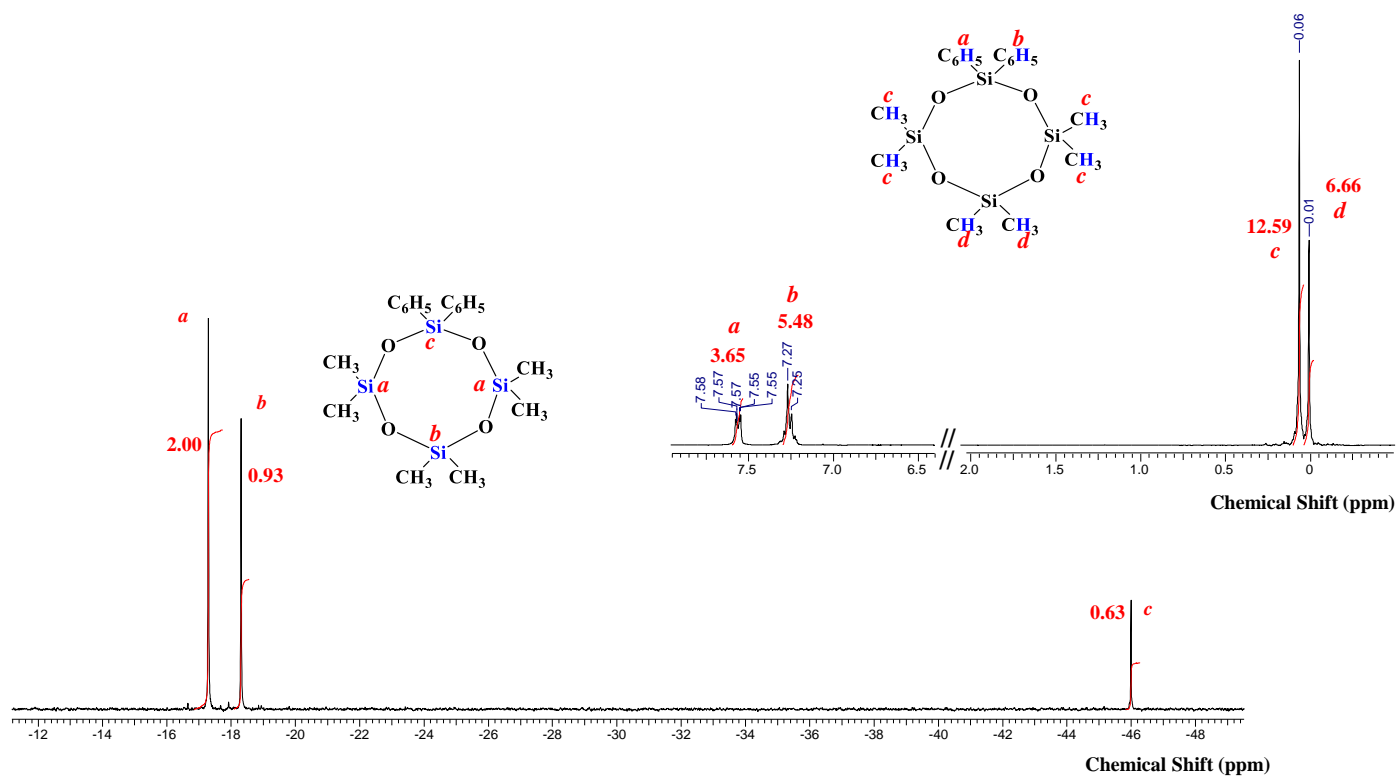


Figure S11. ^1H (top) and ^{29}Si (bottom) NMR spectra for 1,1,3,3,5,5,7-heptamethyl-7-vinylcyclotetrasiloxane

Figure S12. ^1H (top) and ^{29}Si (bottom) NMR spectra for 7-hydro-1,1,3,3,5,5,7-heptomethylcyclotetrasiloxaneFigure S13. ^1H (top) and ^{29}Si (bottom) NMR spectra for 7,7-diethyl-1,1,3,3,5,5-hexamethylcyclotetrasiloxane

Figure S14. ^1H (top) and ^{29}Si (bottom) NMR spectra for 1,1,3,3,5,5,7-heptamethyl-7-phenylcyclotetrasiloxaneFigure S15. ^1H (top) and ^{29}Si (bottom) NMR spectra for 1,1,3,3,5,5-hexamethyl-7,7-diphenylcyclotetrasiloxane

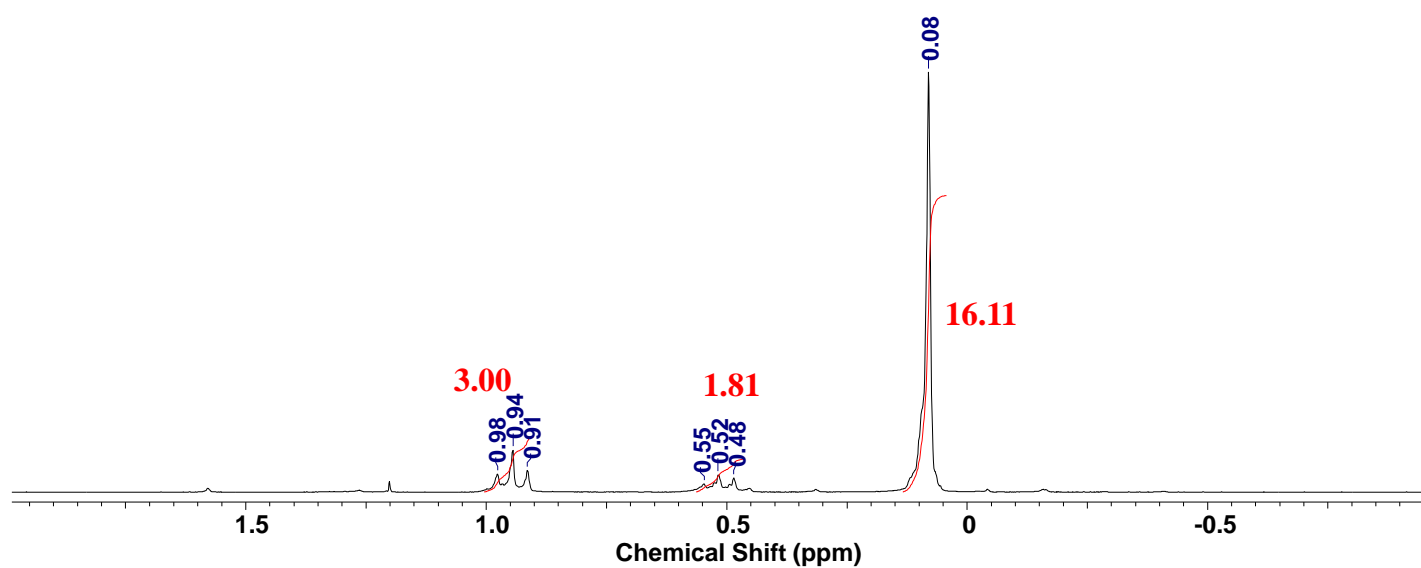


Figure S16. ^1H NMR spectra for copolymers from $[\text{DMe}_2]_4$ and $[\text{DEt}_2]_4$ (No 1, Table 3)

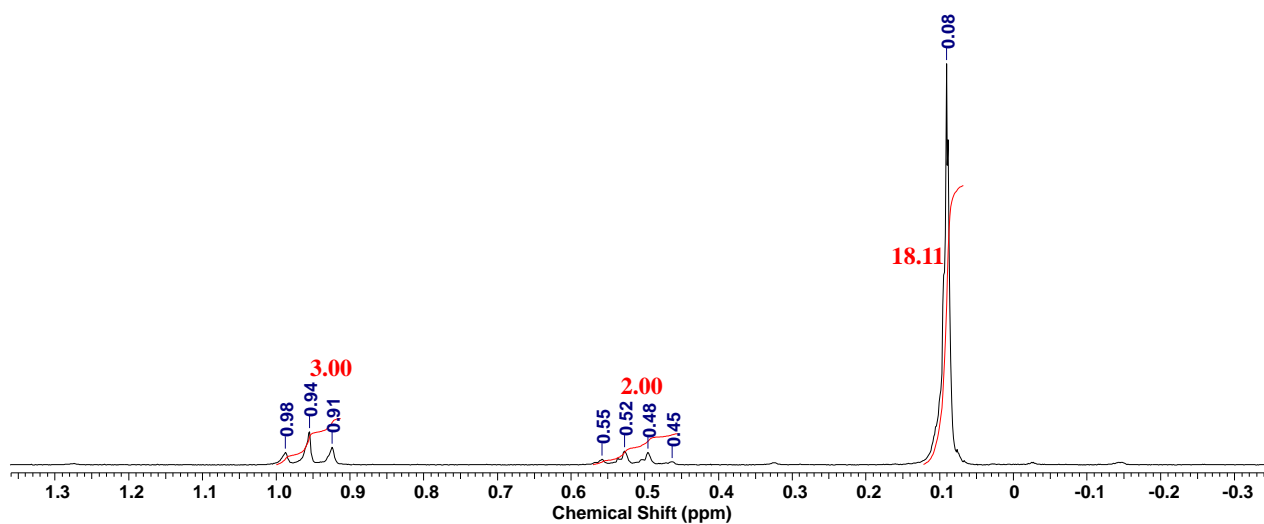


Figure S17. ^1H NMR spectra for copolymers from $[\text{DMe}_2]_4$ and $[\text{DMe}_2]_3[\text{DEt}_2]$ (No 2, Table 3)

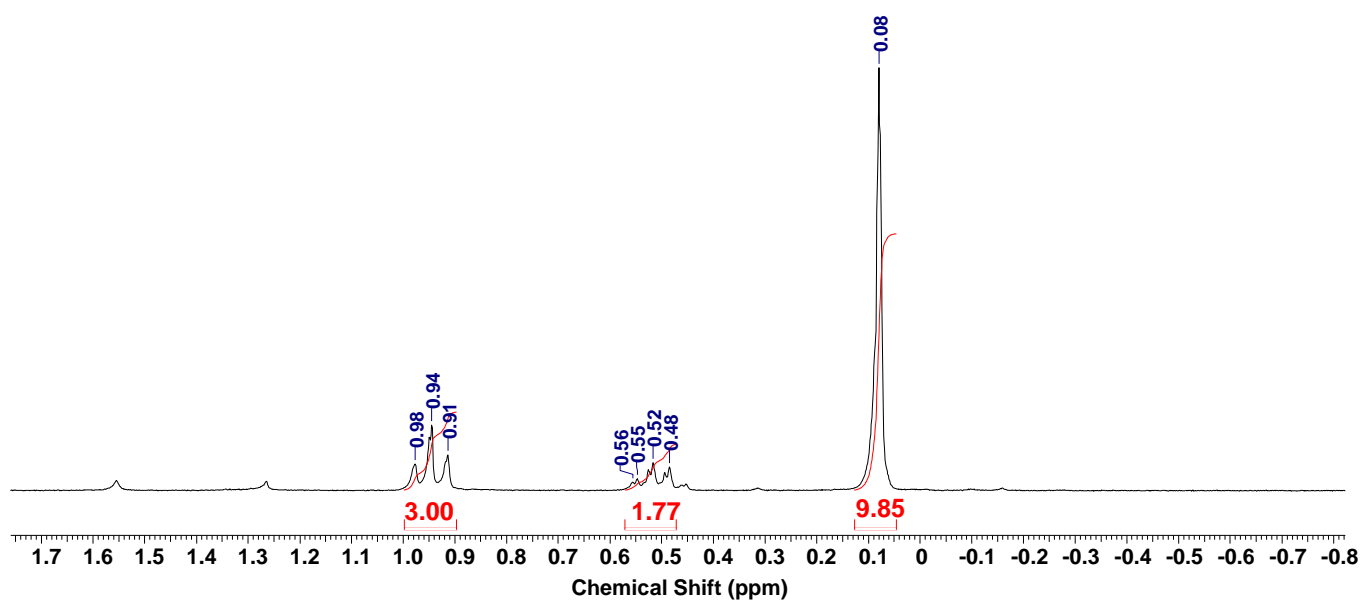


Figure S18. ^1H NMR spectra for copolymer from $[(\text{D}^{\text{Me}_2})_3(\text{D}^{\text{Et}_2})]$ (No 3, Table 3)

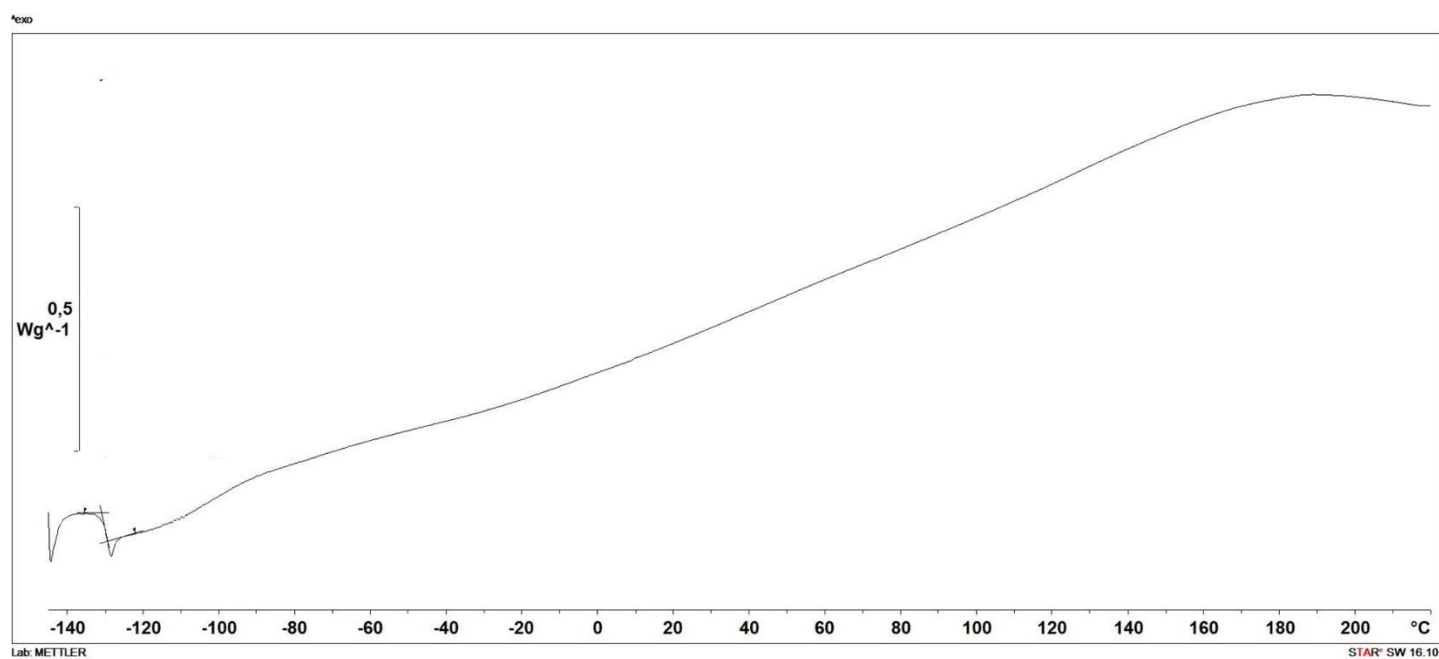


Figure S19. DSC curves of copolymer from $[(\text{D}^{\text{Me}_2})_4]$ and $[(\text{D}^{\text{Me}_2})_3(\text{D}^{\text{Et}_2})]$ (No2, Table 3)

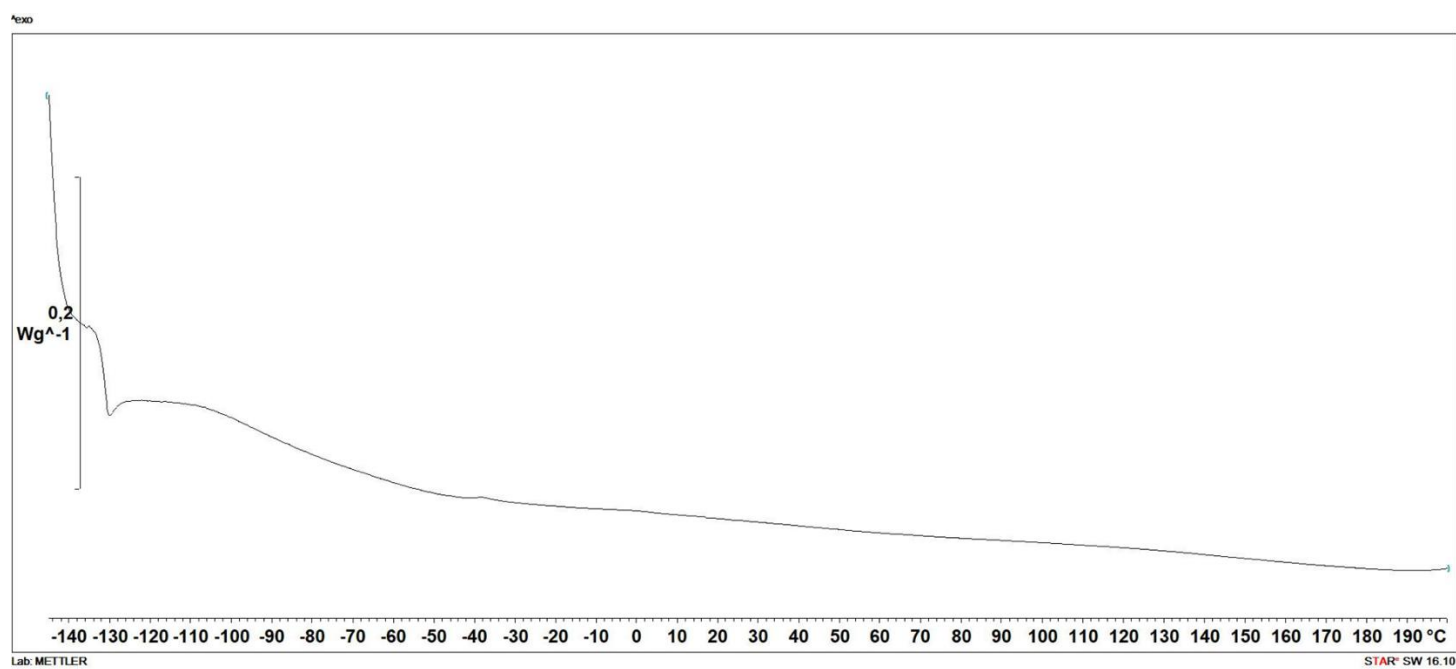


Figure S20. GPC curves of copolymer $[(D^{Me_2})_3(D^{Et_2})]$ (№3, Table 3)