

Novel mesogenic vinyl ketone monomers and their based polymers

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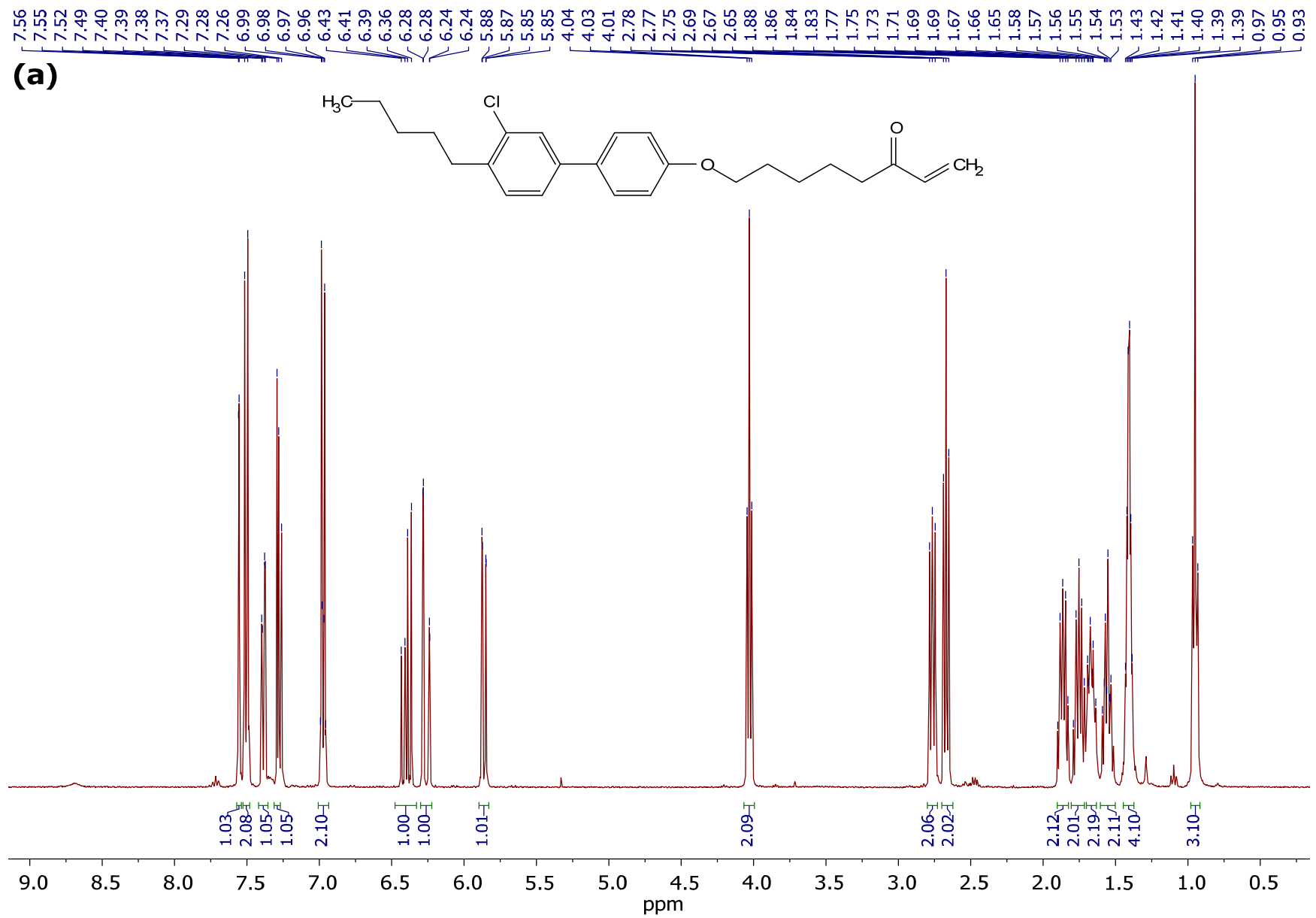
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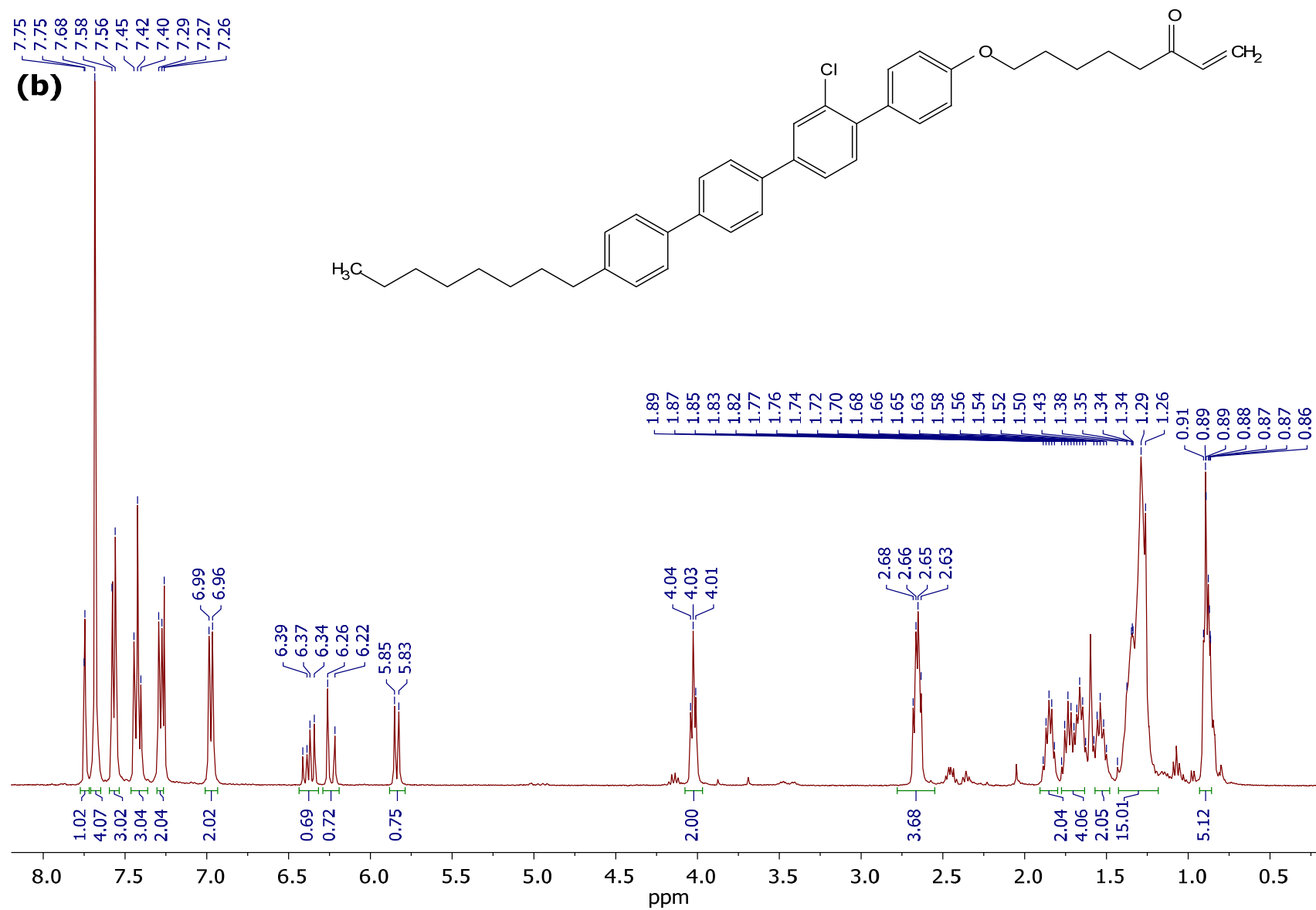
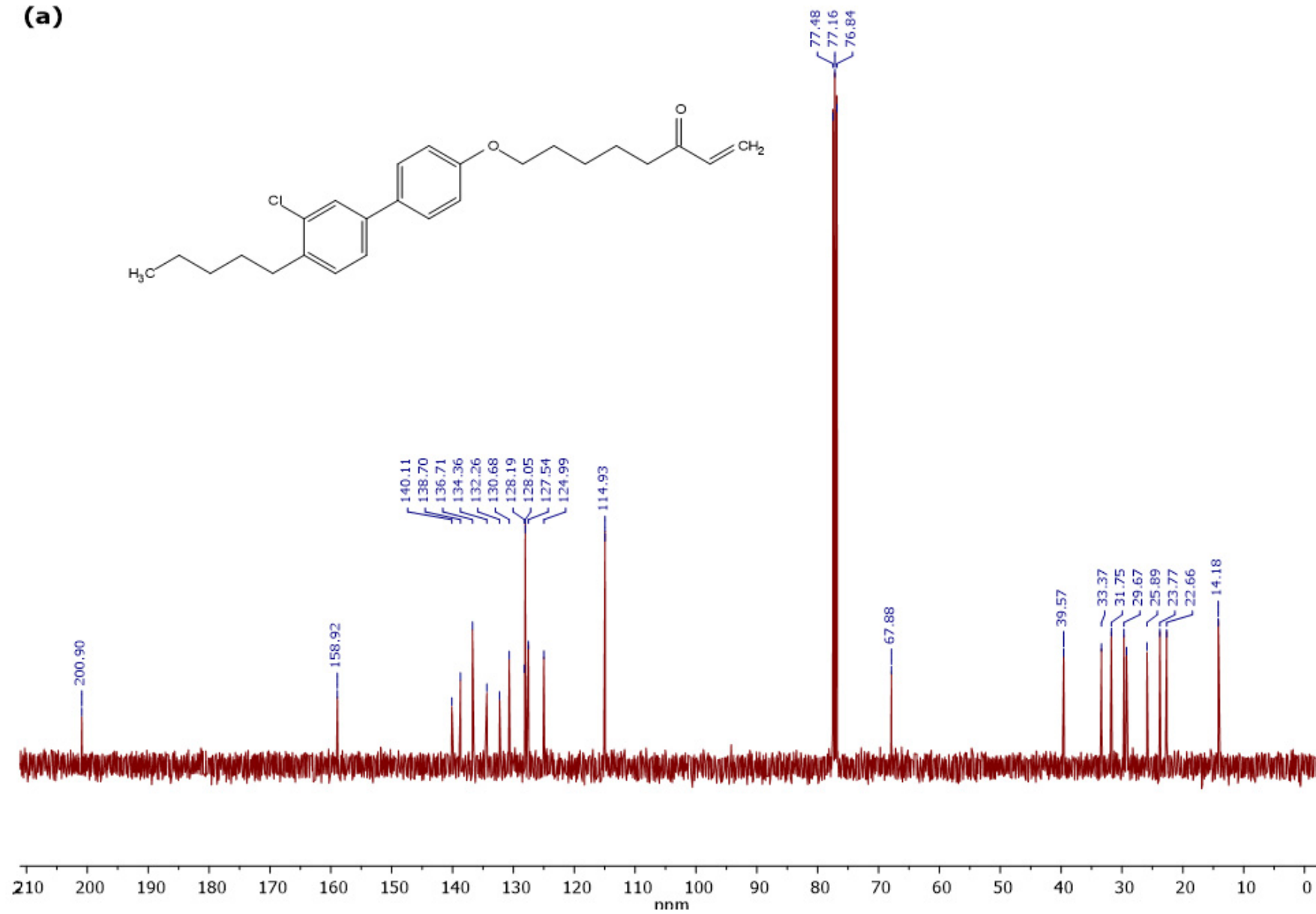


Figure S1. The ¹H spectra of BVK (a) and QVK (b) in CDCl₃.

(a)



(b)

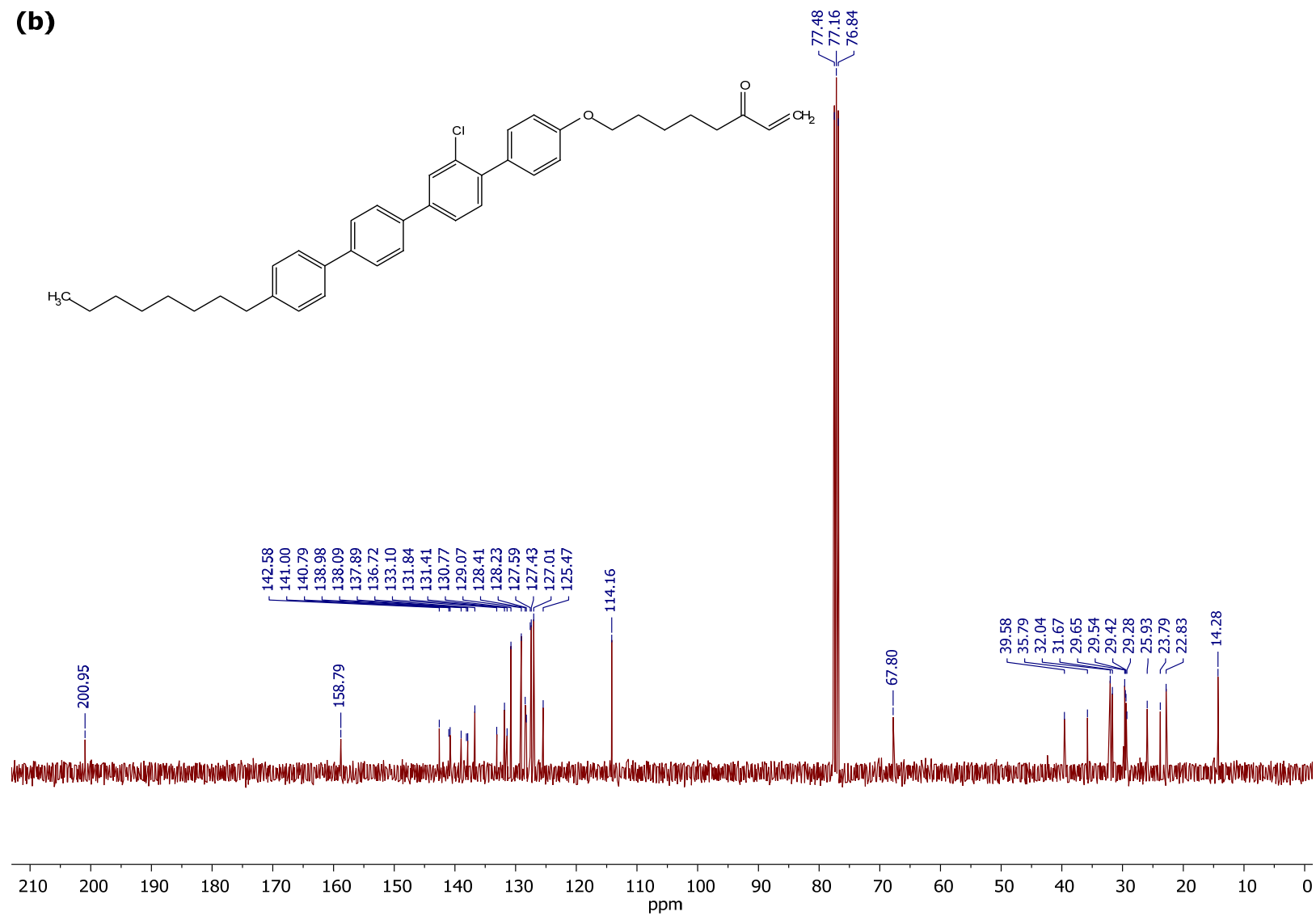


Figure S2. The ¹³C spectra of BVK (a) and QVK (b) monomers in CDCl₃.

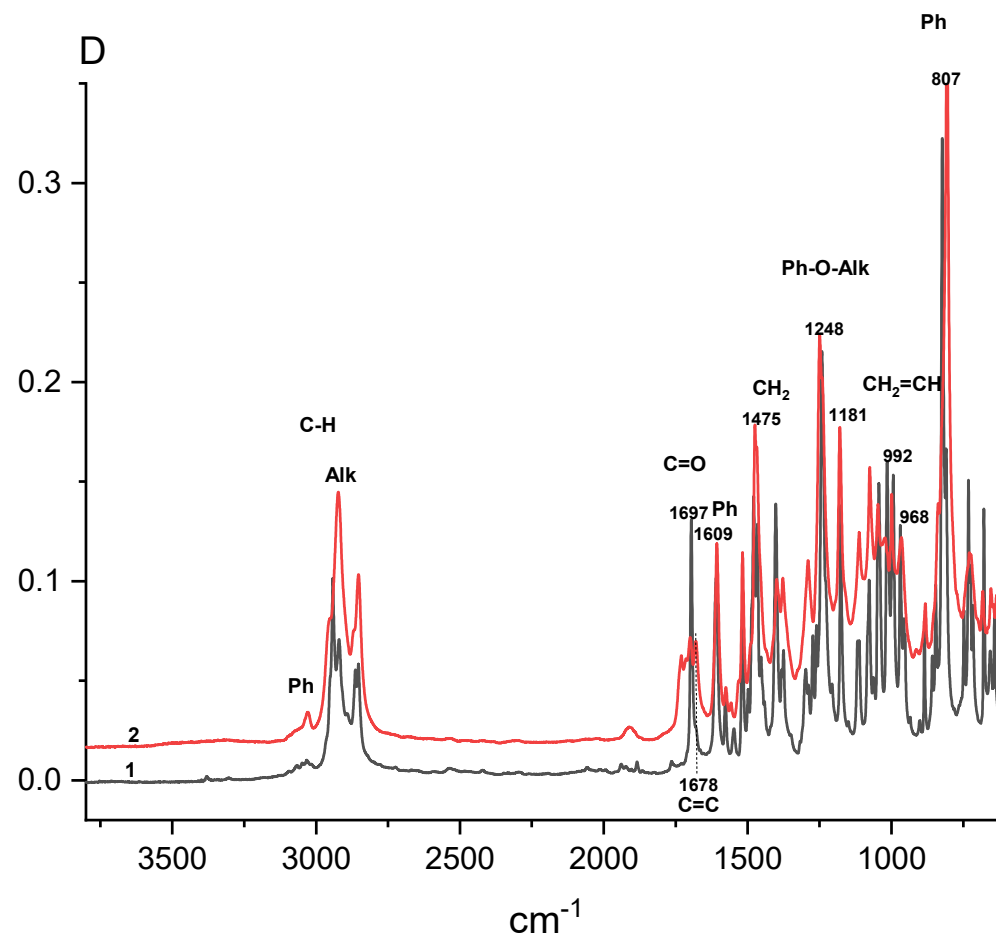


Figure S3. IR spectra of BVK(1) and QVK (2)

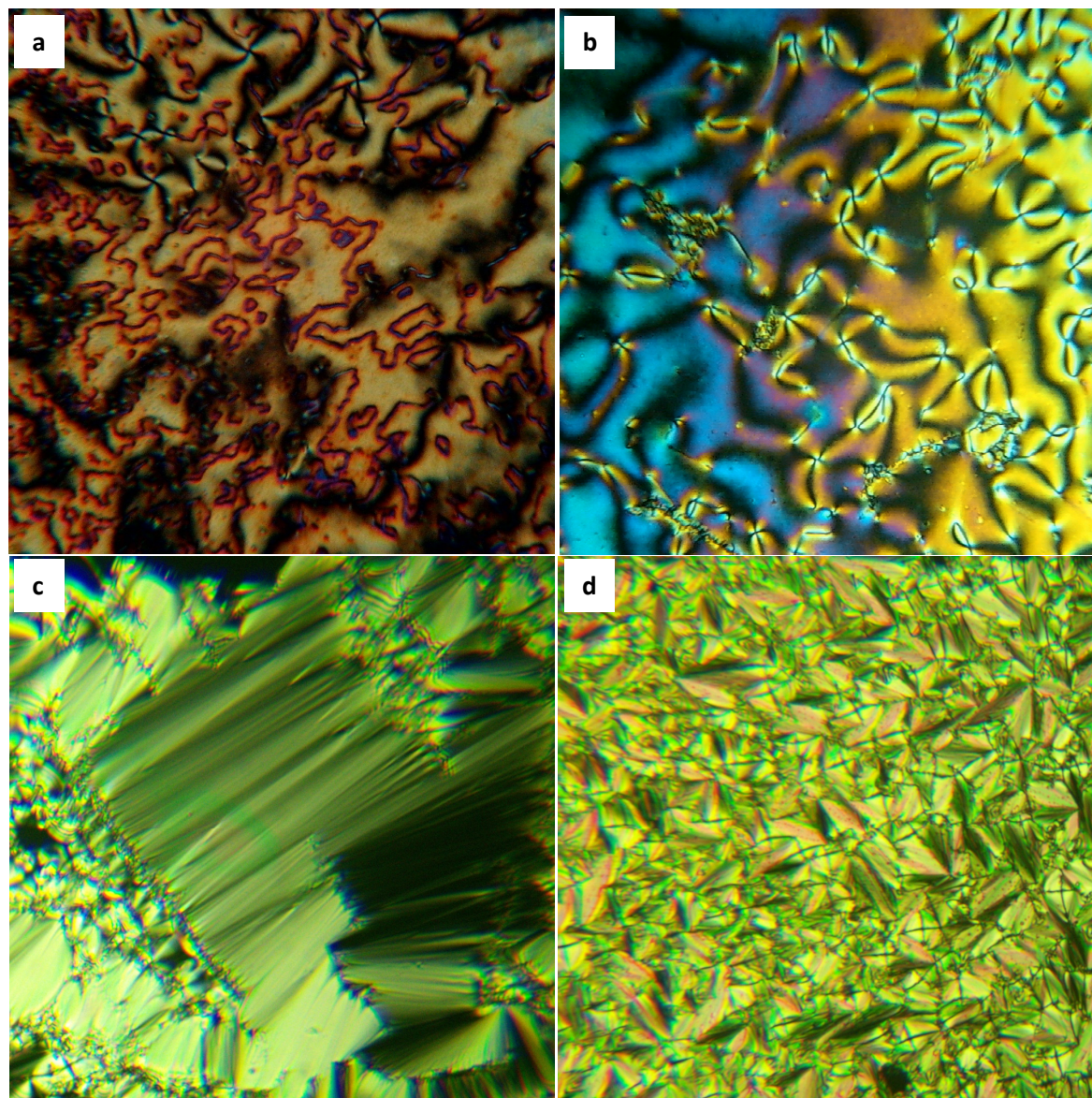


Figure S4. Thread-like/schlieren mixed texture of TVK (a) and schlieren texture of poly(TVK) (b); fan-shaped texture of QVK (c) and focal conic texture of poly(QVK)