

SUPPLEMENTARY MATERIALS

Chiral 8-Amino-5,6,7,8-tetrahydroquinoline Derivatives in Metal Catalysts for the Asymmetric Transfer Hydrogenation of 1-Aryl Substituted-3,4-dihydroisoquinolines as Alkaloids Precursors

Giorgio Facchetti *, Francesca Neva, Giulia Coffetti and Isabella Rimoldi *

Dipartimento di Scienze Farmaceutiche, Università degli Studi di Milano, Via Venezian 21, 20133 Milano, Italy
* Correspondence: giorgio.facchetti@unimi.it (G.F.); isabella.rimoldi@unimi.it (I.R.)

HPLC SPECTRA OF ATH PRODUCTS I-XI UNDER OPTIMIZED REACTION CONDITIONS

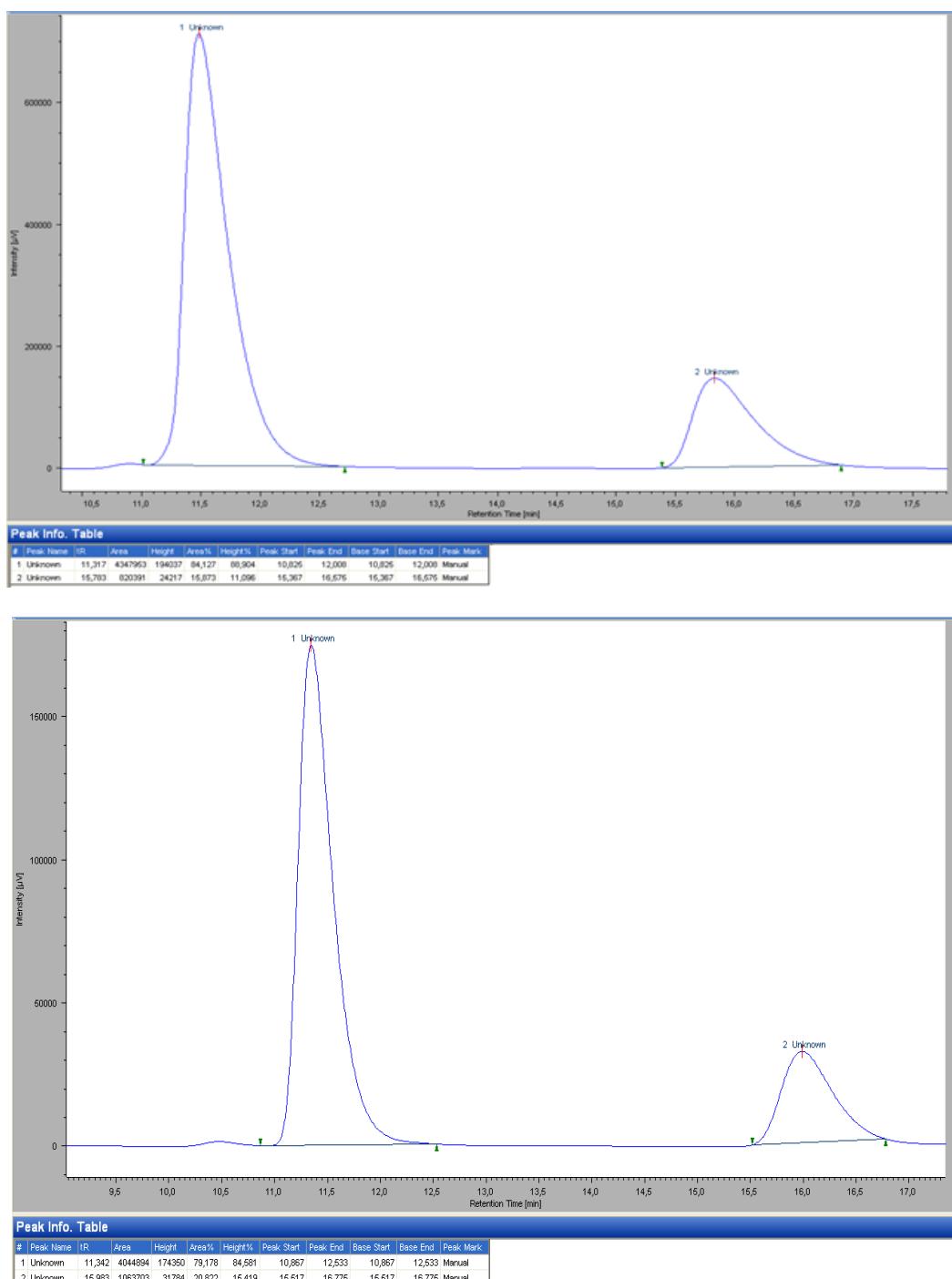


Figure S1. Spectra of substrate I with C3 (69 % e.e.) and C4 (60 % e.e.) respectively.

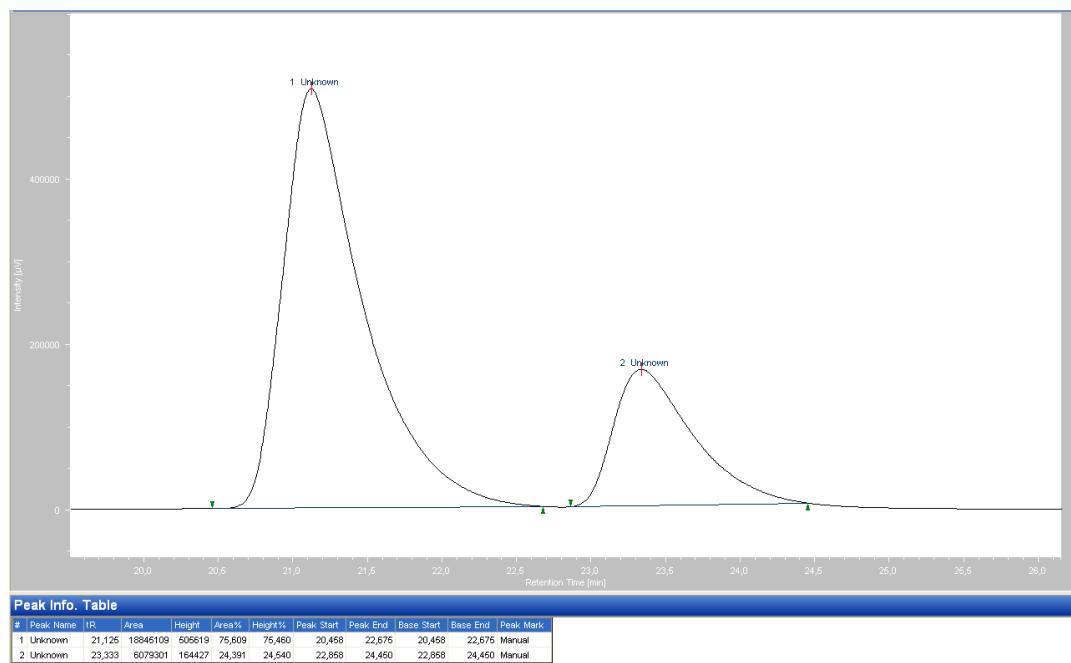
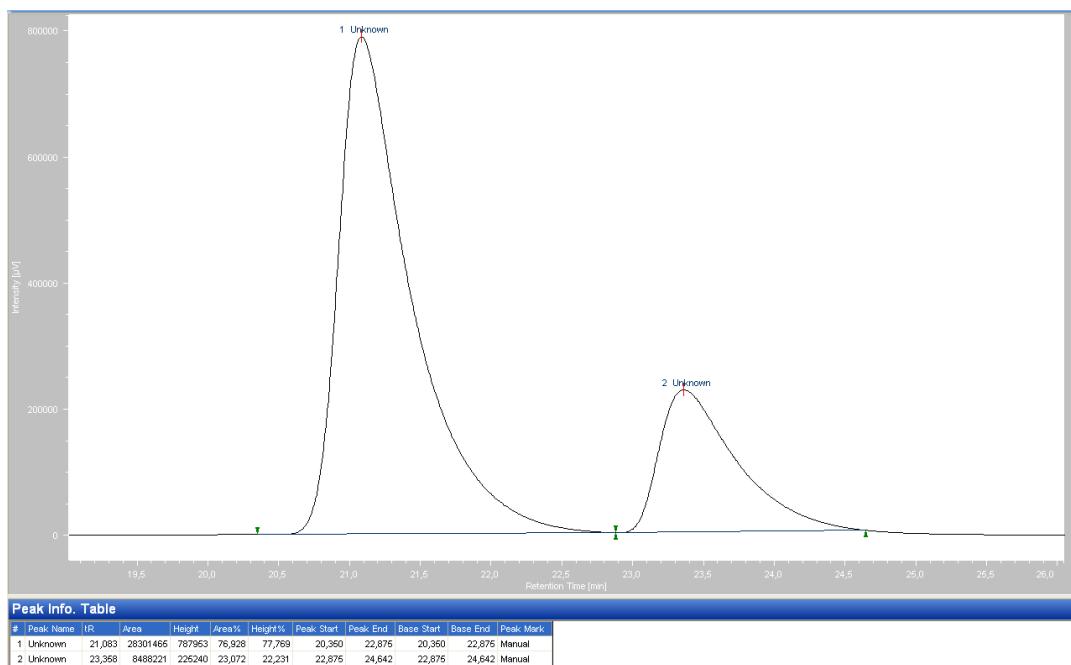


Figure S2. Spectra of substrate **II** with **C3** (53 % e.e.) and **C4** (52 % e.e.) respectively.

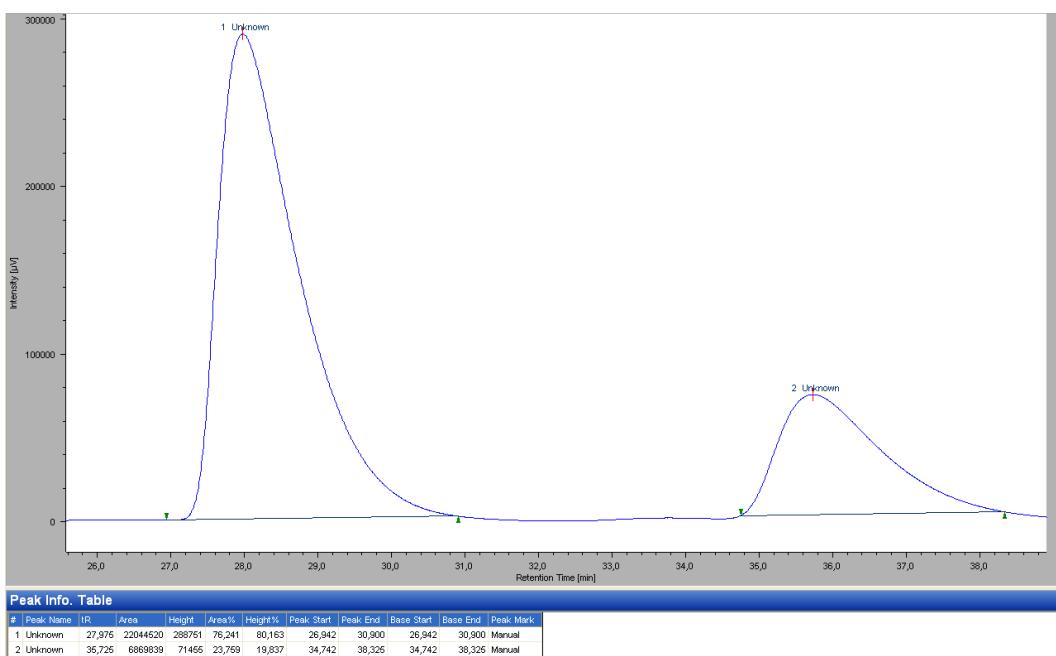
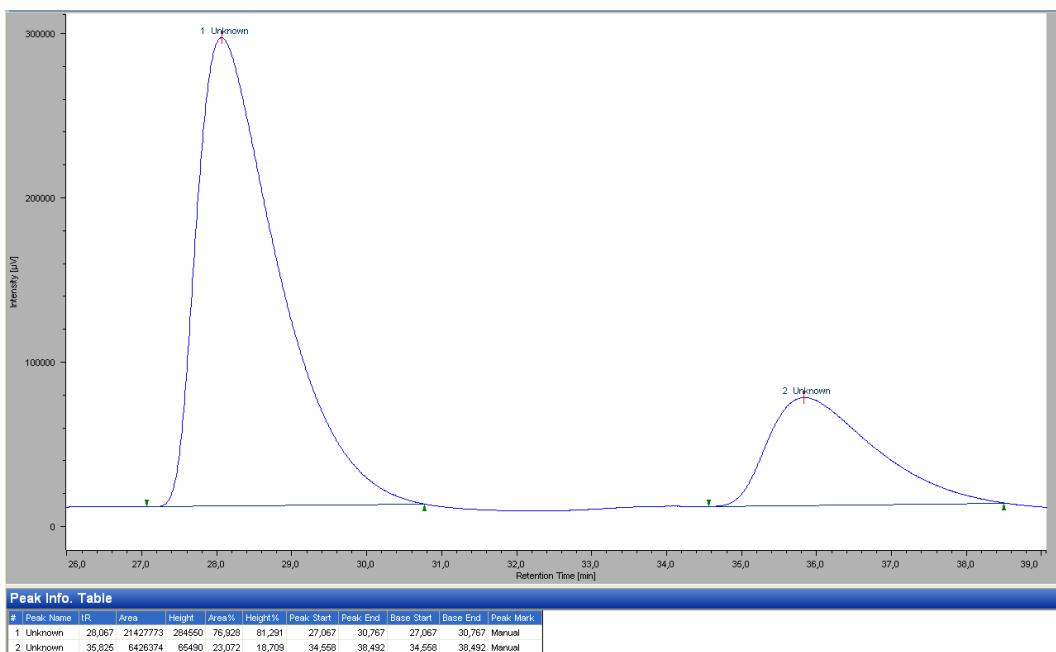


Figure S3. Spectra of substrate III with **C3** (54 % e.e.) and **C4** (52 % e.e.) respectively.

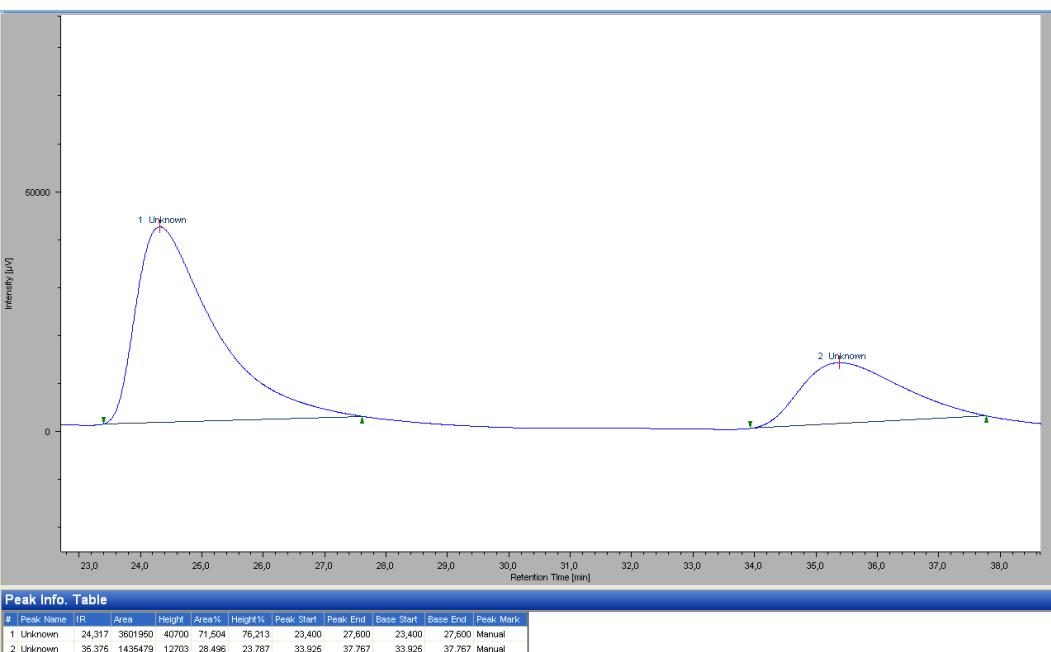
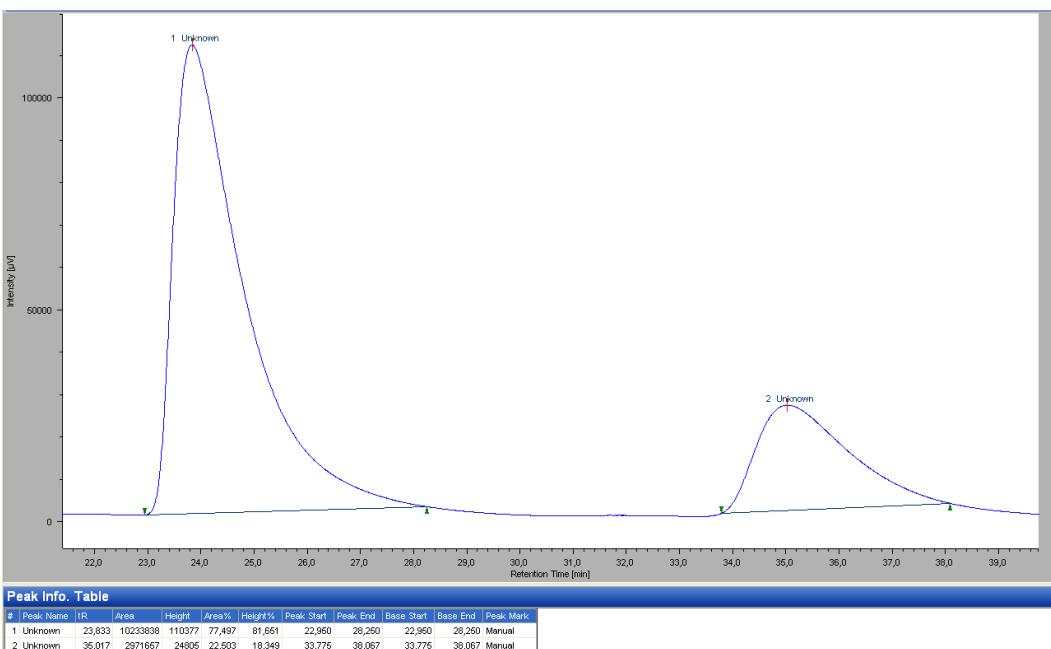


Figure S4. Spectra of substrate IV with C3 (54 % e.e.) and C4 (42 % e.e.) respectively.

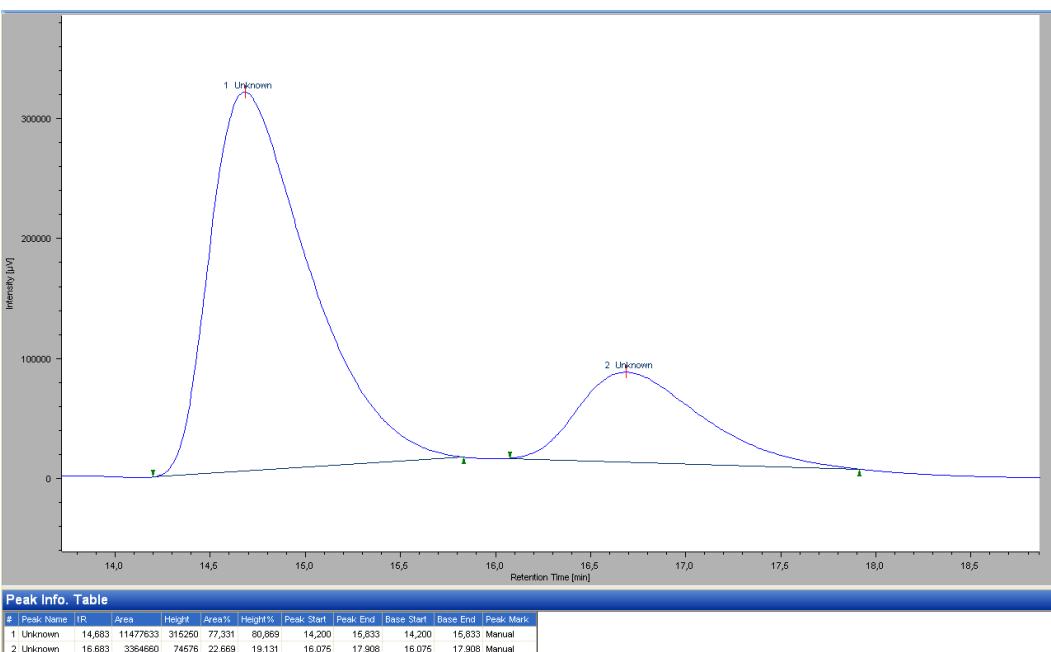
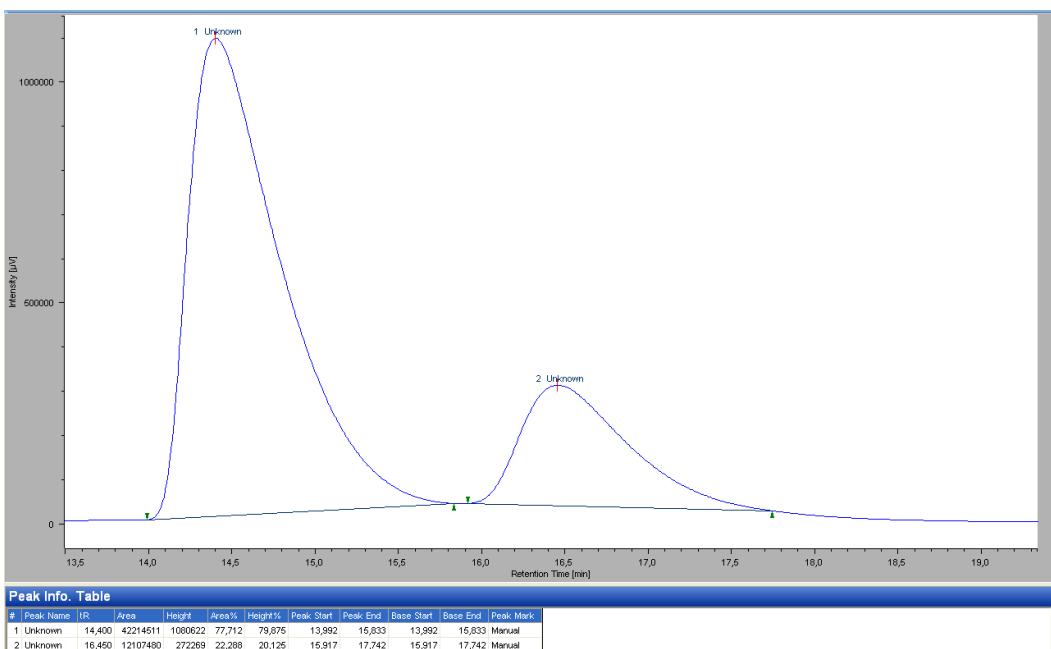


Figure S5. Spectra of substrate V with C3 (55 % e.e.) and C4 (54 % e.e.) respectively.

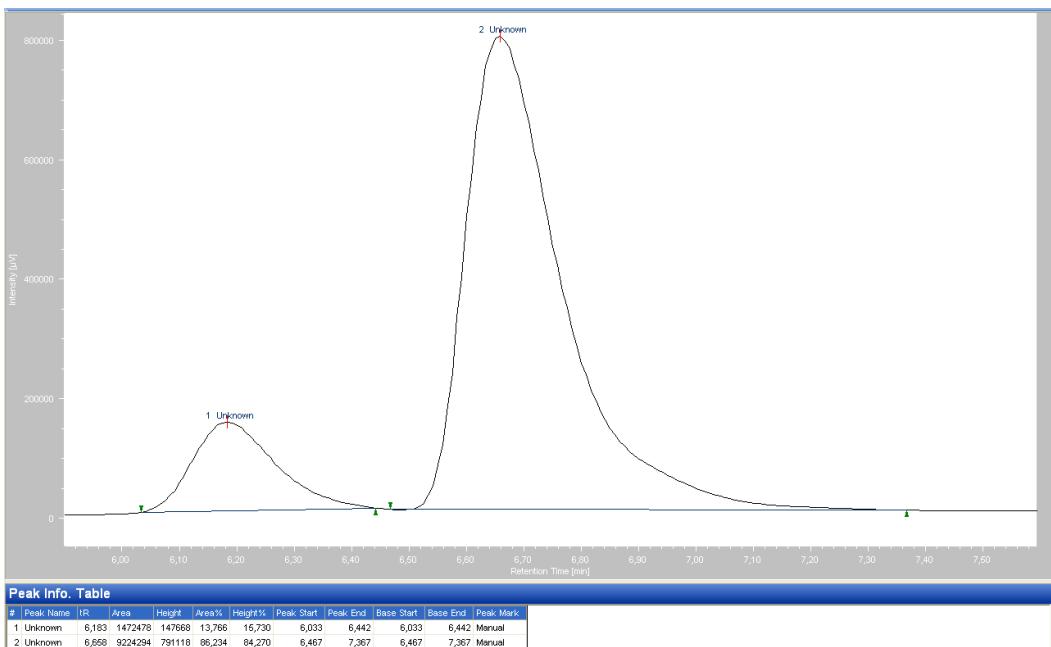
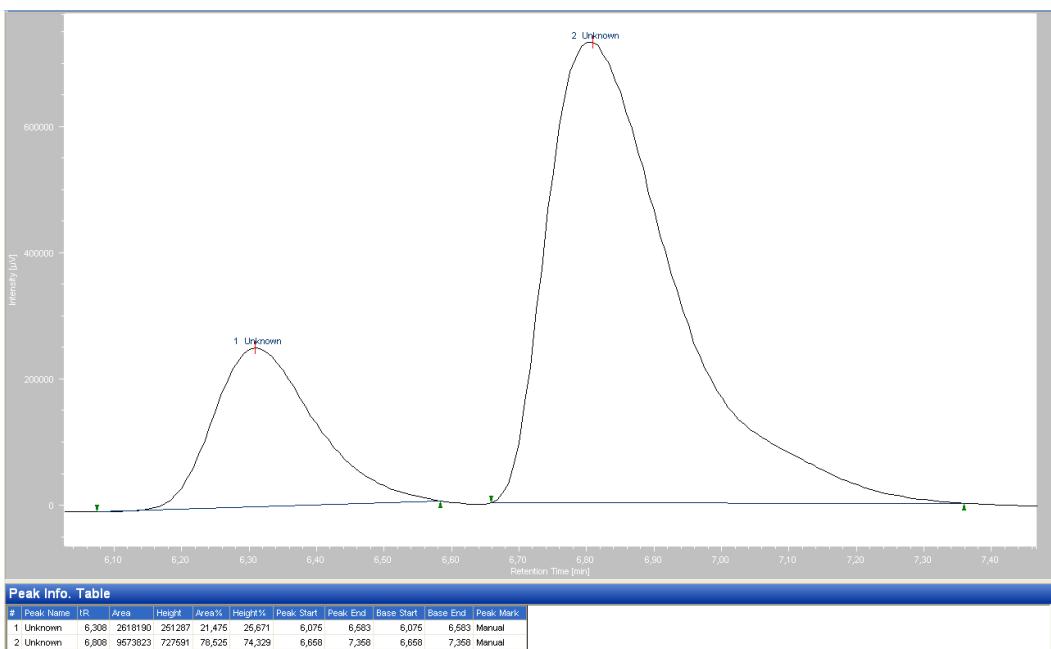


Figure S6. Spectra of substrate VII with C3 (56 % e.e.) and C4 (75 % e.e.) respectively.

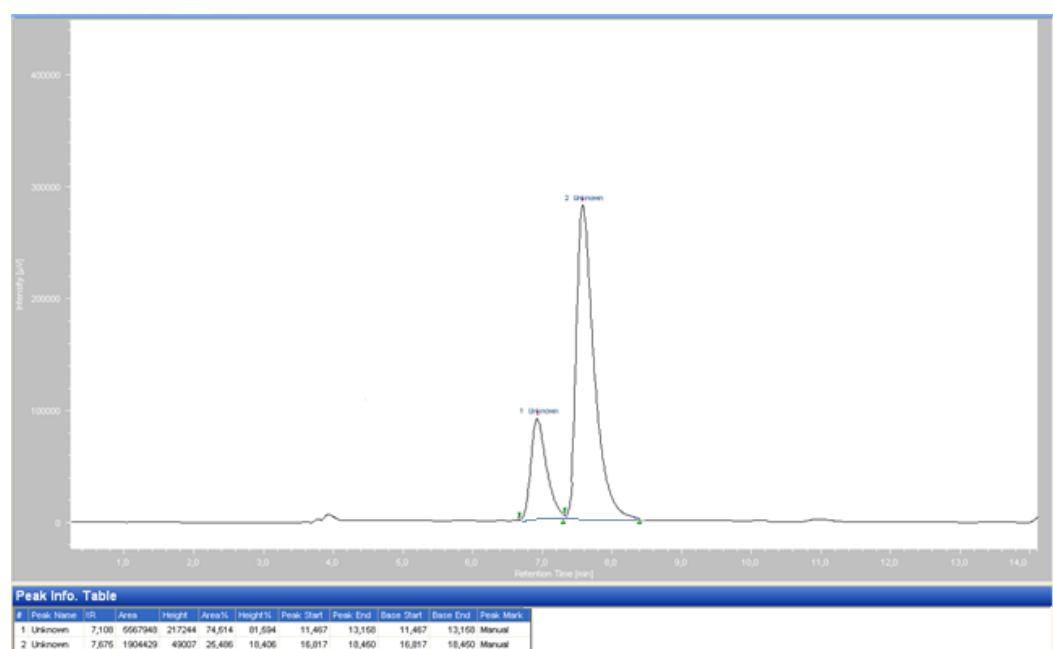
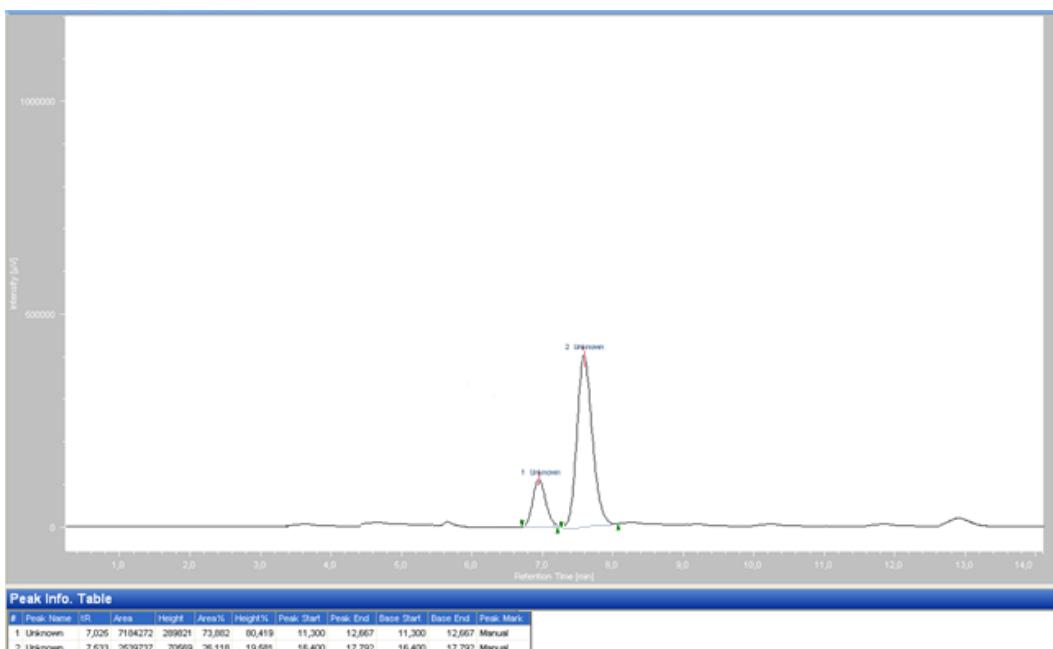


Figure S7. Spectra of substrate **IX** with **C3** (47 % e.e.) and **C4** (48 % e.e.) respectively.

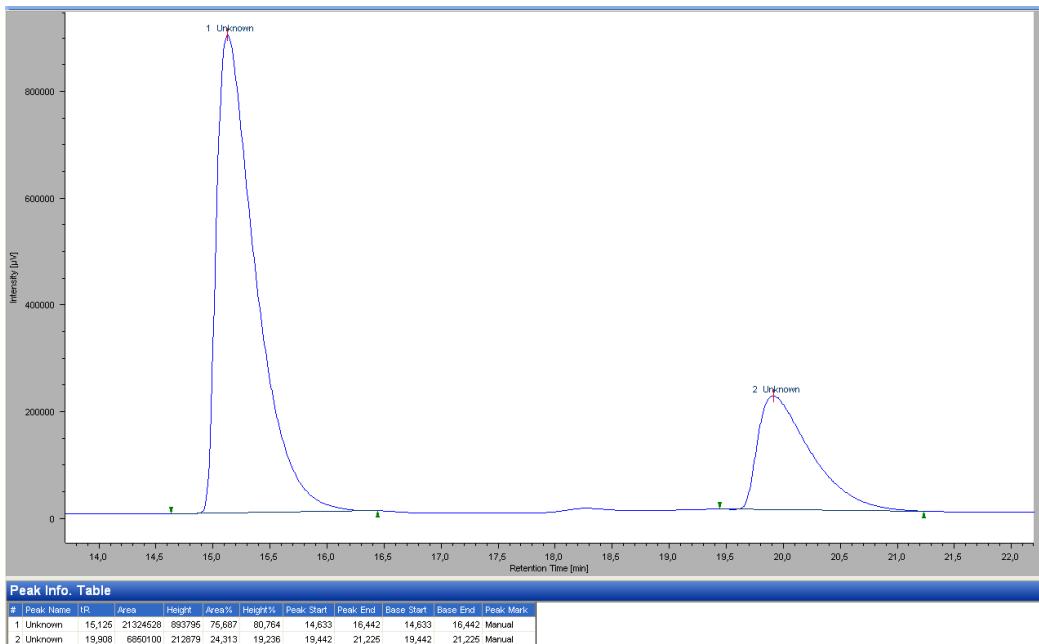
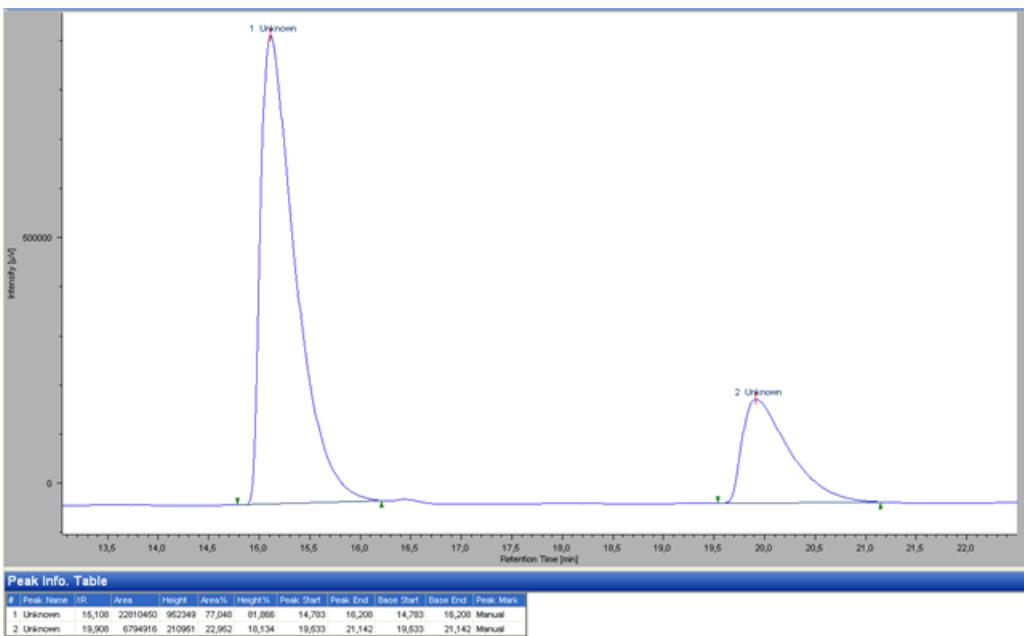


Figure S8. Spectra of substrate X with C3 (55 % e.e.) and C4 (51 % e.e.) respectively.

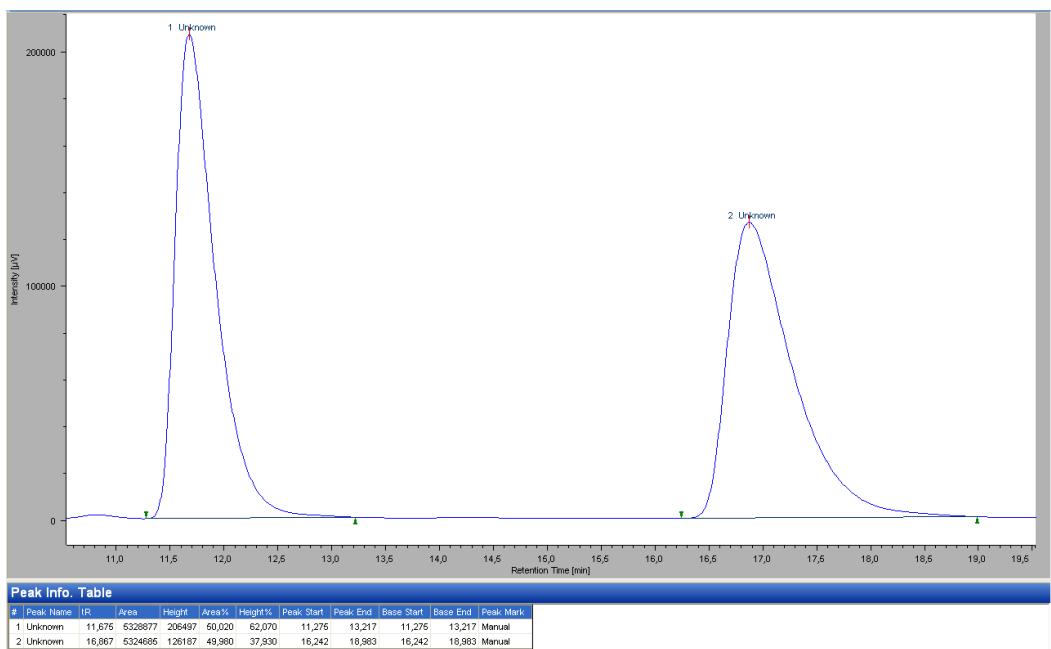


Figure S9. Spectra of substrate I with C8.