SUPPORTING INFORMATION

Reductive dehalogenation of trichloromethane by two different *Dehalobacter restrictus strains* reveals opposing dual element isotope effects

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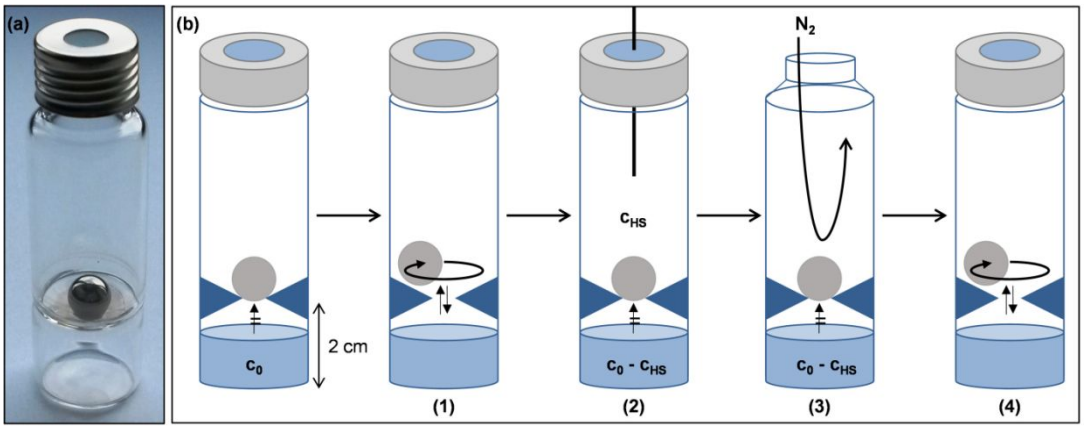

Figure S1: (a) Modified headspace vial. (b) Schematic illustration of the stepwise water-air and hexadecane-air partitioning, respectively: (1) equilibration in agitator; (2) automated headspace sampling;(3) exchange of headspace with gentle nitrogen stream; (4) repeat (1)-(3)

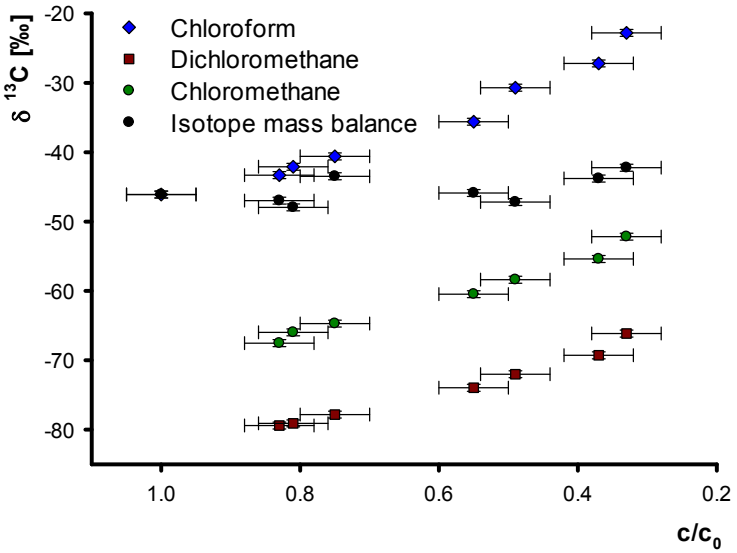

Figure S2: Changes of carbon isotope values during the reaction of TCM with Vitamin B12 of TCM and all products plotted against the depletion of the Substrate.

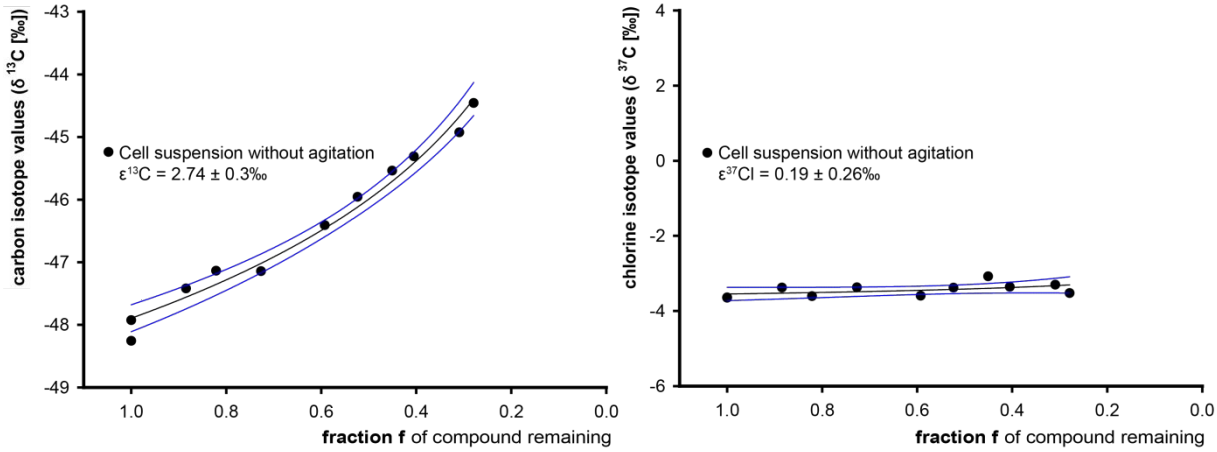

Figure S3: Carbon (left panel) and chlorine (right panel) isotope effects of TCM transformation induced by the cell suspension experiment without agitation