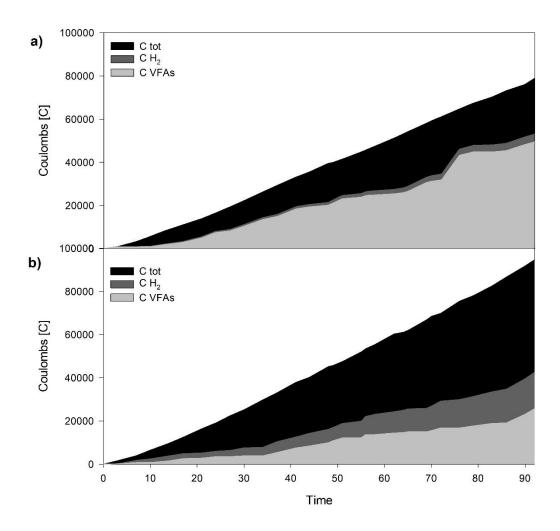
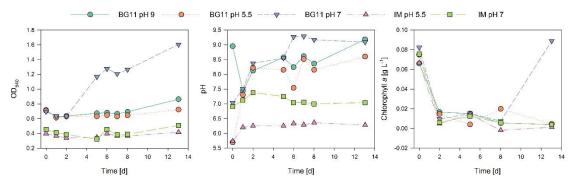
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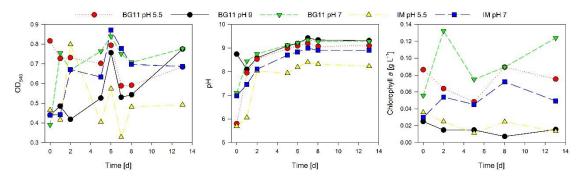
## **Supplementary Information**



**Figure S1.** Distribution of the accumulated coulombs in products compared to total coulombs consumed over time in each reactor in the two H-type BES – a) HT1; b) HT2.



**Figure S2.** Preliminary *Auxenochlorella protothecoides* autotrophic tests under different medium and starting pH conditions.



**Figure S3.** Preliminary *Auxenochlorella protothecoides* heterotrophic tests with synthetic effluent (acetate 2 g L<sup>-1</sup>) under different medium and starting pH conditions.

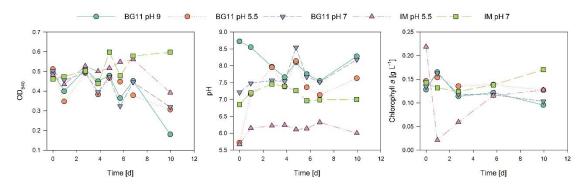
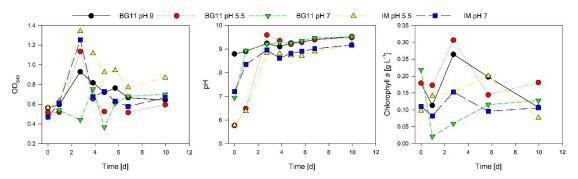


Figure S4. Preliminary Chlorella vulgaris autotrophic tests under different medium and starting pH conditions.



**Figure S5.** Preliminary *Chlorella vulgaris* heterotrophic tests with synthetic effluent (acetate 2 g L<sup>-1</sup>) under different medium and starting pH conditions.