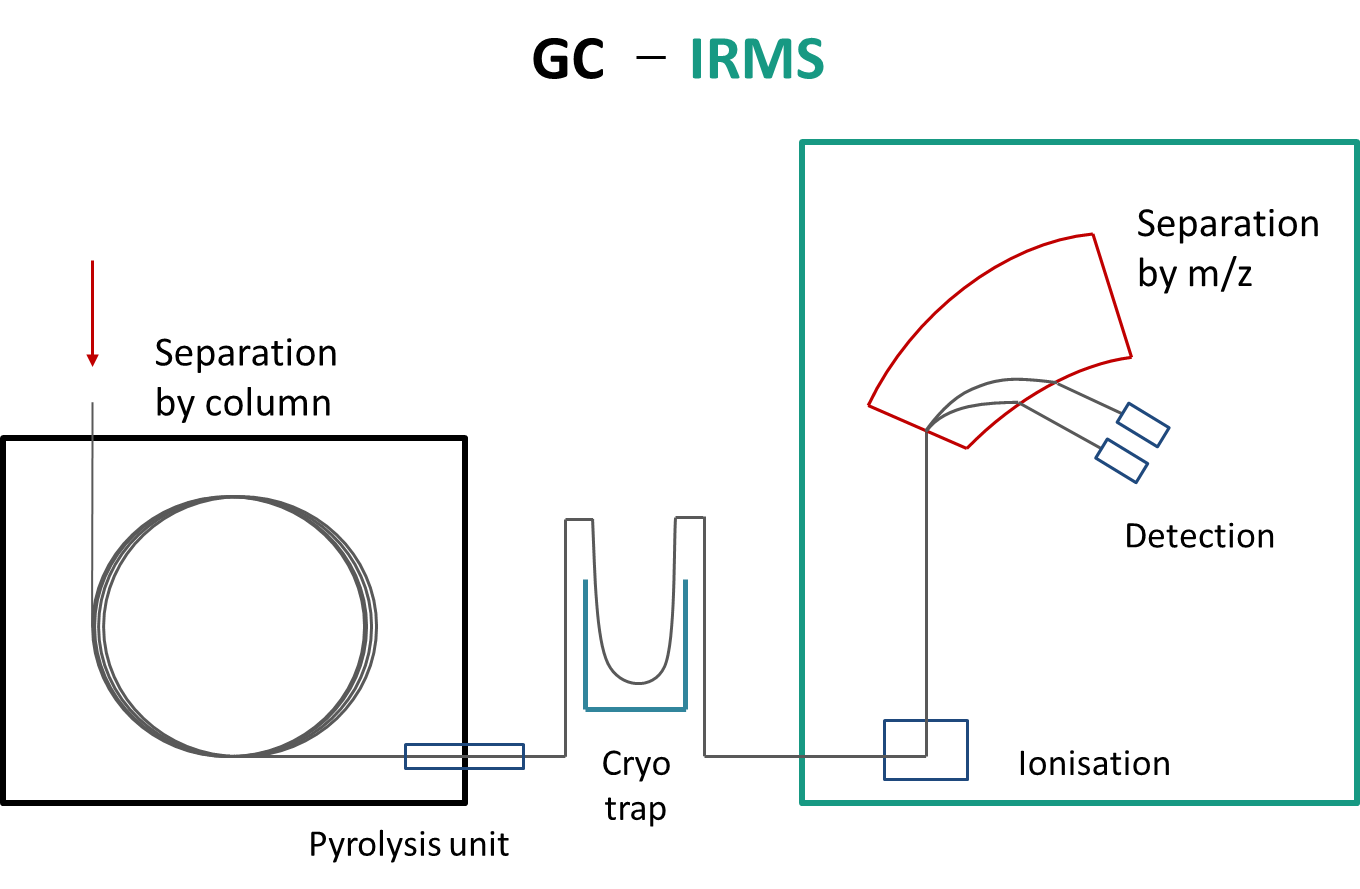
Supplementary Material

H2 kinetic isotope fractionation superimposed by equilibrium isotope fractionation during hydrogenase activity of *D. vulgaris* strain Miyazaki

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**Supplementary Figure 1:** Scheme of the GC-IRMS system



**Supplementary Figure 2:** Concentration of H2 of the abiotic controls of both medium and water. Continuous sampling results in decreasing concentrations from 18 % to 10 % H2.