

**CHEM**BIOCHEM

## Supporting Information

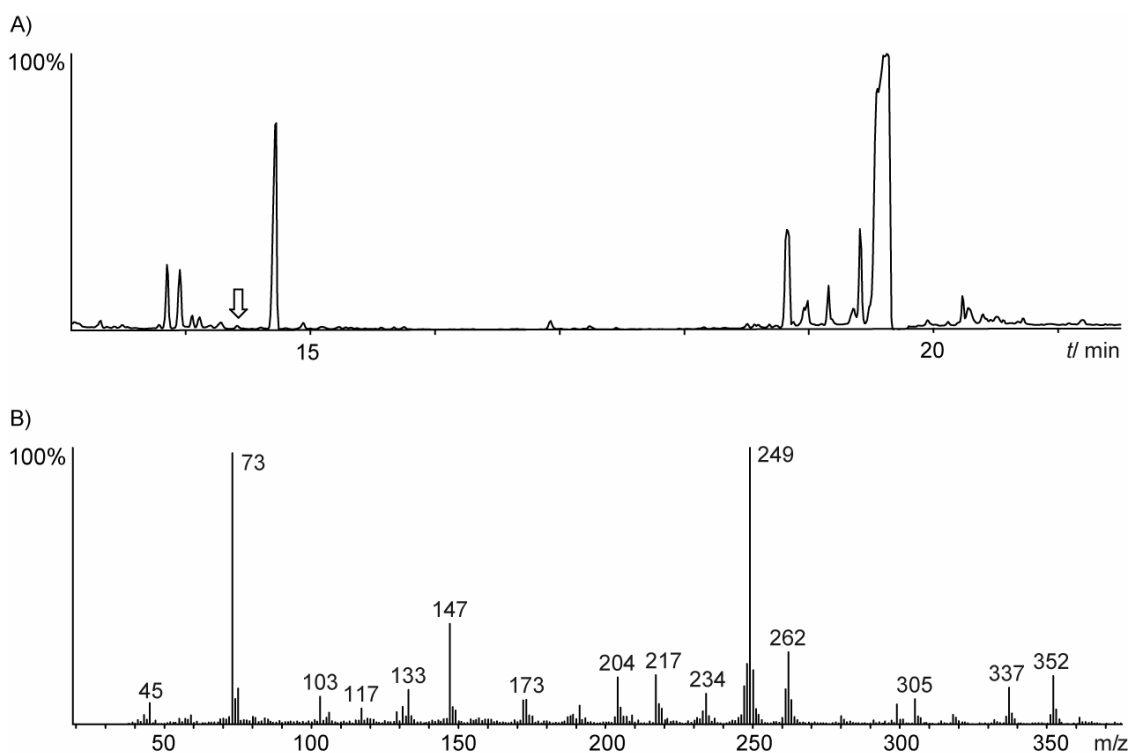
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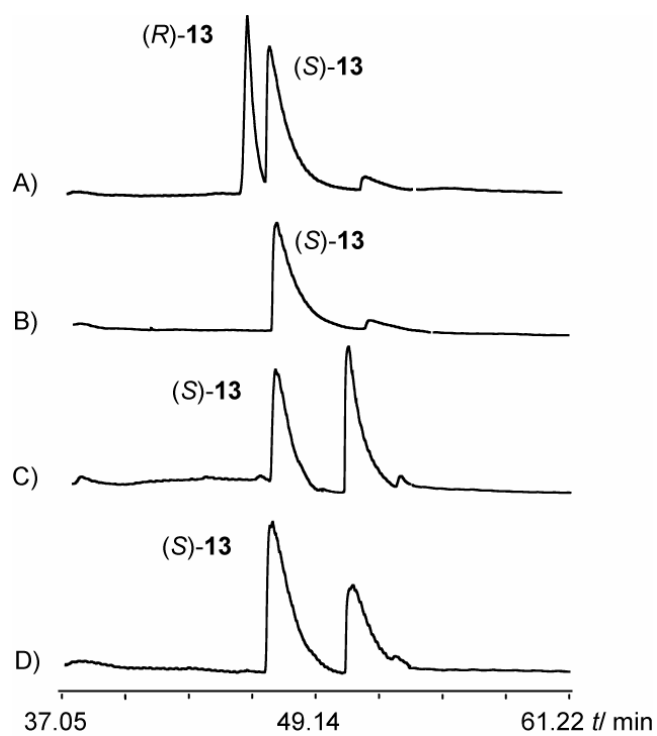
for

### Identification, Quantification and Determination of the Absolute Configuration of the Bacterial Quorum-Sensing Signal Autoinducer-2 by Gas chromatography/Mass Spectrometry

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**Figure S1.** Analysis of *Streptococcus mutans* UA159 by GC-MS A) Total ion chromatogram of the derivatized extract (temperature program: 2 min at 100°C increasing with 10°C min<sup>-1</sup> to 250 increasing with 20°C min<sup>-1</sup> to 320°C). B) Mass spectrum of the marked peak. The internal standard functions as marker for the analyte. The lack of analyte characteristic fragments proves its absence.



**Figure S2.** Chiral GC analysis A) Synthetic racemic mixture of (S)-13 and (R)-13. B) Synthetic (S)-13. C) Extract of *Vibrio harveyi* after treatment with 1,2-phenylenediamine and MSTFA. D) Co-injection of B and C.