Interactive comment on “Quantitative and enantioselective analysis of monoterpenes from plant chambers and in ambient air using SPME” by N. Yassaa et al.

N. Yassaa et al.
n yassaa@usthb.dz

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For clarity we transcribe each referee comment/suggestion, and then follow this with our answer.

The authors present a simple and reliable method for the collection and analysis of enantiomeric biogenic volatile compounds (BVOC) emitted by plants using SPME. Although the method is not new, its reliability and practical application to the analysis of air and plant emission samples has never been so deeply investigated before. The paper is scientifically sound. The author provide convincing evidence of the reliability of the proposed method in terms of precision and accuracy, by comparing the results obtained with other methods. They have made a considerable effort to unambiguously prove that the use of SPME allows to get reliable results on the saving time and money. The approach is rigorous and data presented sufficient to support the statements made by the authors. The paper is also well written and clearly presented. I see only some technical problems concerning Figures 7 and 10. I suggest to indicate in these Figures to which component/method the symbols refer. I am in favor to accept the paper after these small technical corrections.

We are delighted with the positive and encouraging reviews by the anonymous referee # 1. The title of Figs. 7 and 10 are now corrected as follow:

Fig. 7. Emissions of the potted Q. ilex, measured in the cuvette with sample times of 3 minutes at 40 °C sensor temperature of the zNose. The dashed line indicates the peak detection limit. i KI 988, m KI 1031, Y KI 1207, Y KI 1612.

Fig. 10. Limonene calculated gas exchange rates obtained with the zNose and sorbent tube GC-FID.