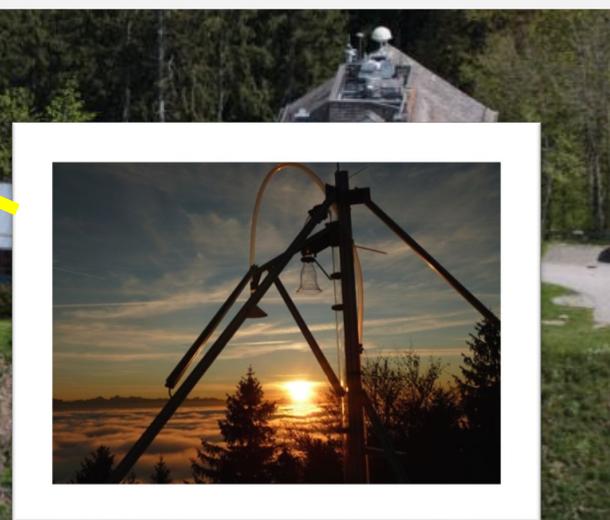
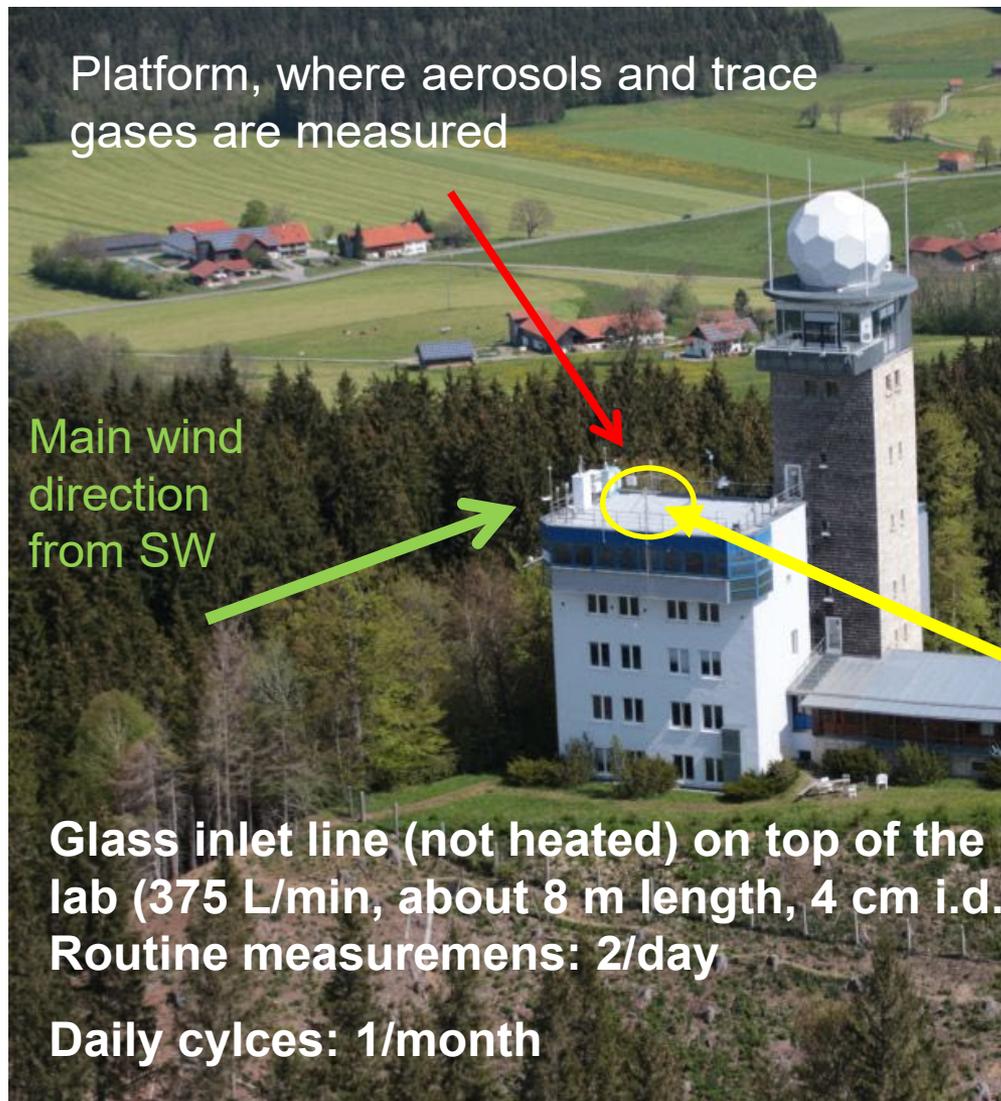
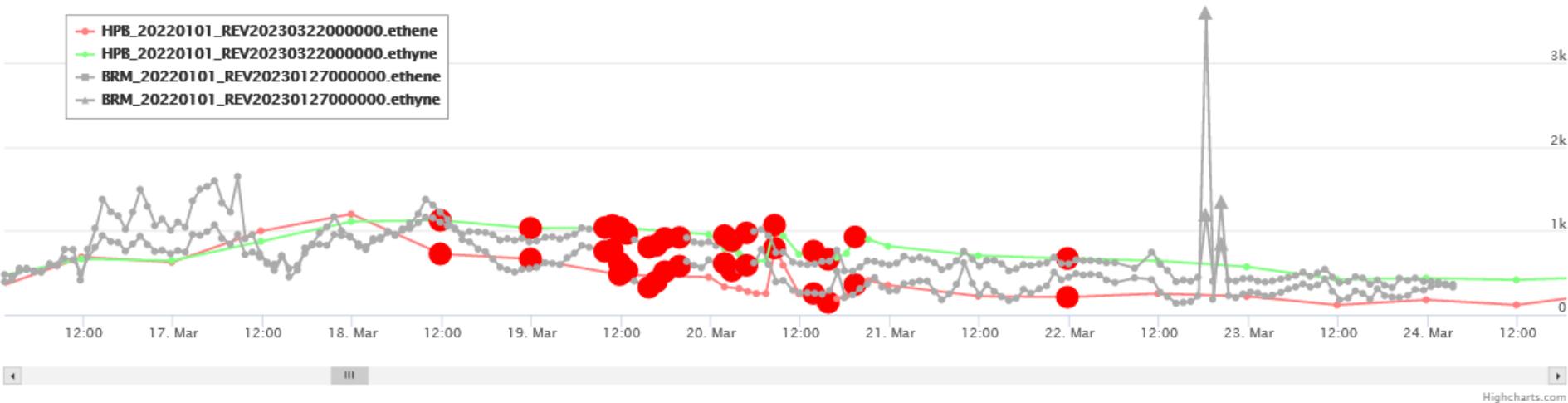
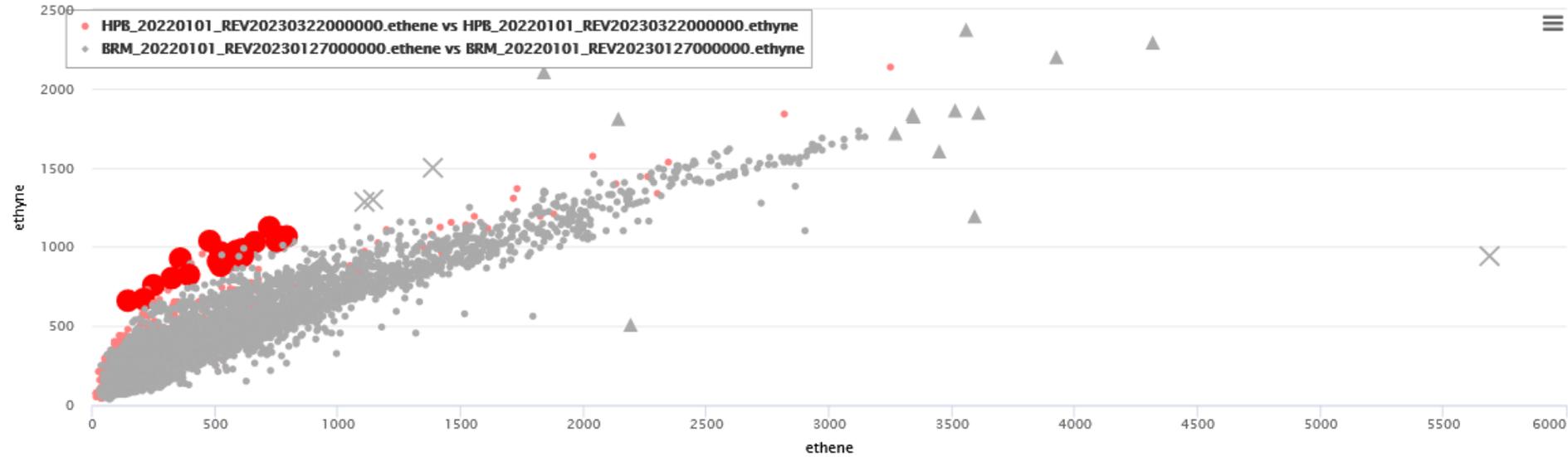


# Hohenpeissenberg NMHC data 2022

## Issues and open questions

Anja Claude, Katja Michl, Erasmus Tensing, Gina Schulz and Dagmar Kubistin  
DWD, Germany



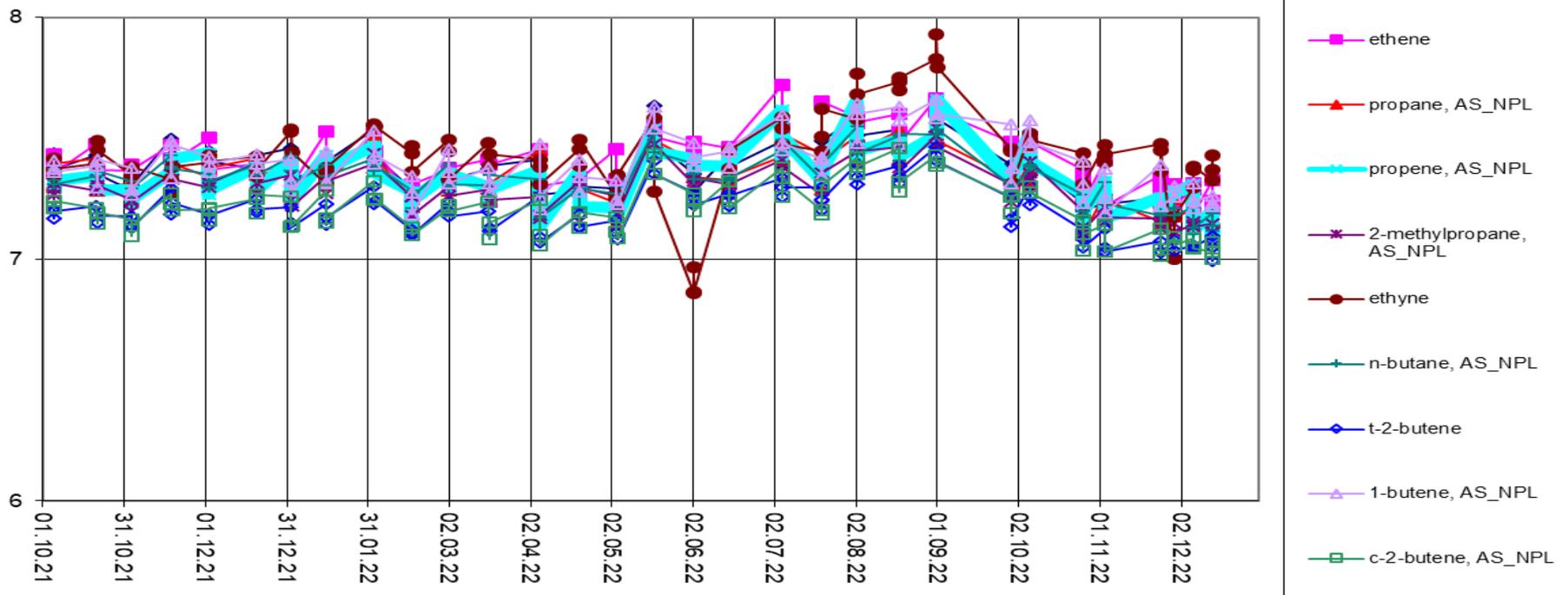


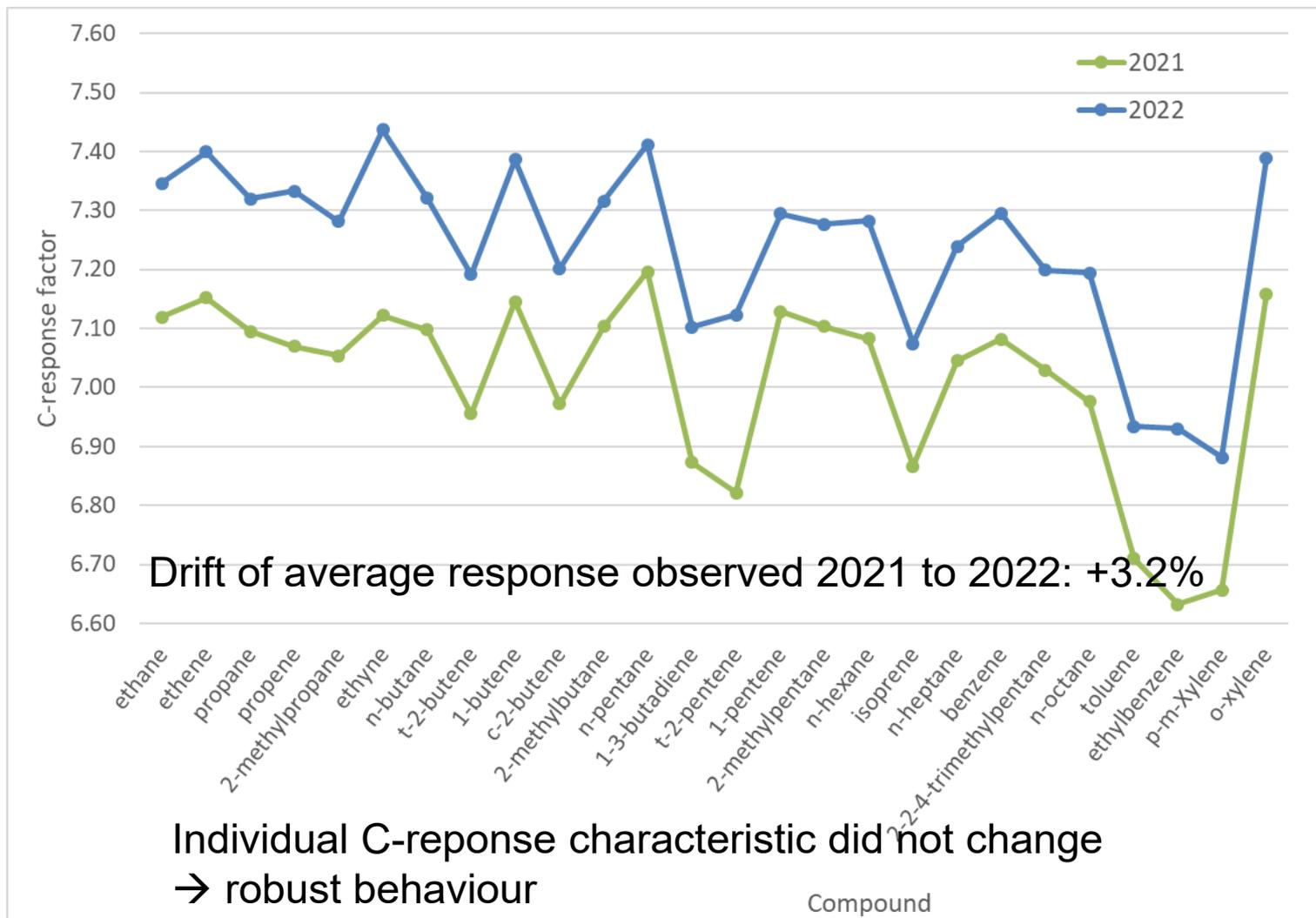
C-response:

Exchange of FID in May

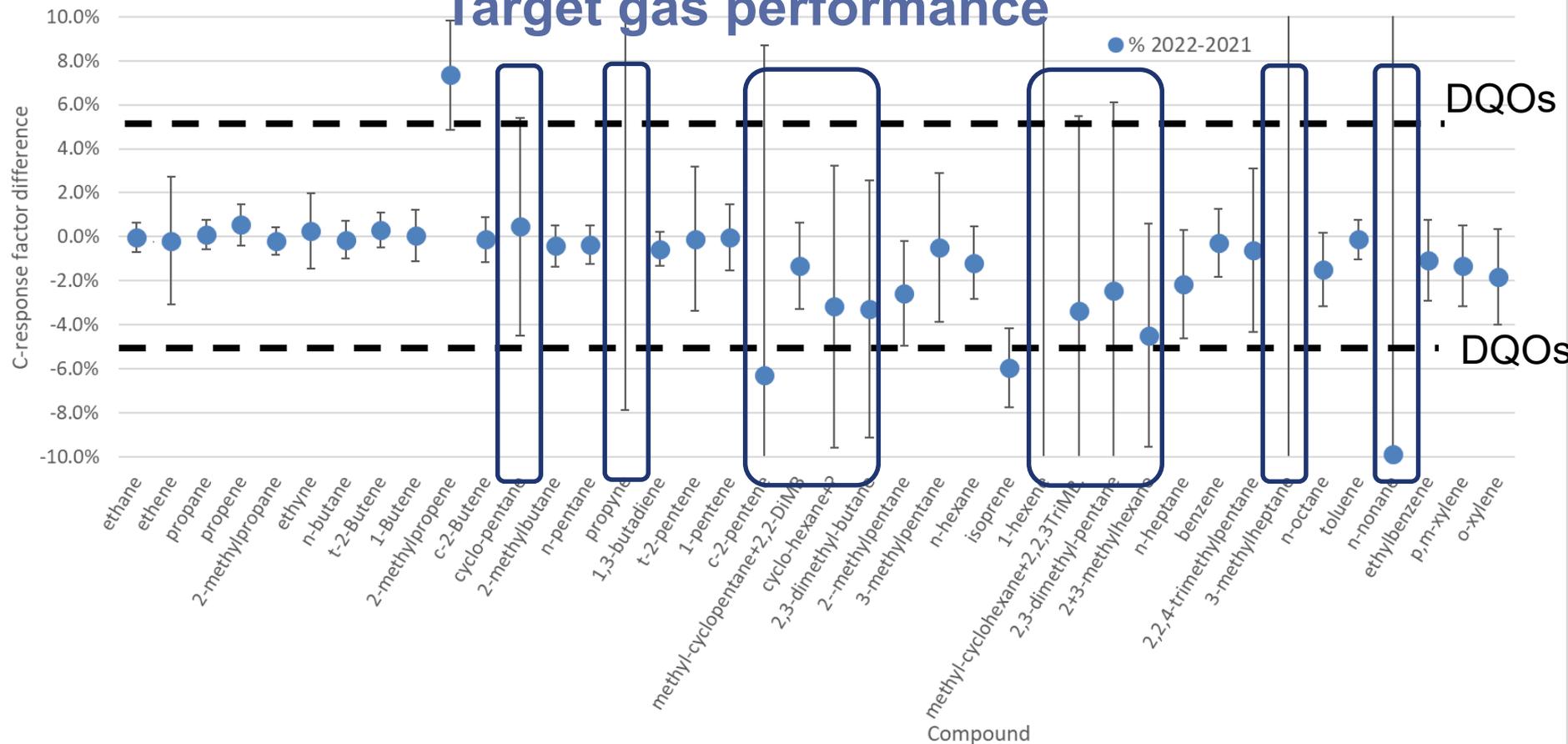
Besides Ethyne: intervall captures the changes and same behaviour for all species

AS\_NPL\_LKW-C-Response GC 3800 LKW



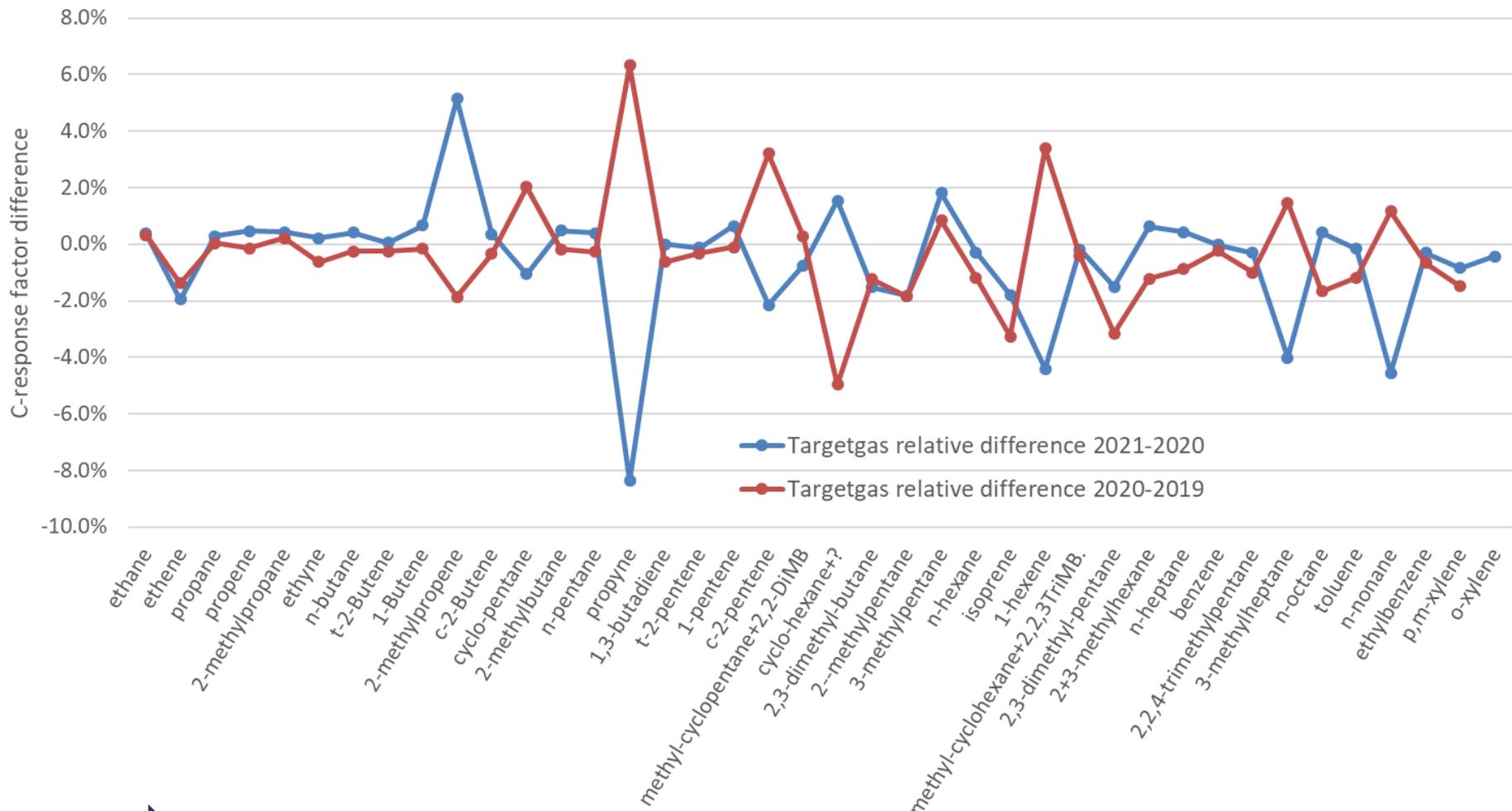


## Target gas performance



Amount fraction << 100pmol/mol

## Target gas performance



Target gas performance ok. Compound

## Summary for 2022

Calibration Performance: typical characteristics for individual responses factors did not change since 2020 and compact behaviour of all substances; one step in FID response after change of FID, which was captured by the monthly calibration.

Target gas: performance stable, changes 2021-2022 mostly  $\leq \pm 5\%$  or within 5ppt, no trend.

→ instrument performance ok.

Generally a bit more variability observed for targets and calibration → exchange of FID or effect of additional „integrator“

Saharan dust event with specific correlation?

# Thanks!



Pic: Stefan Gilge