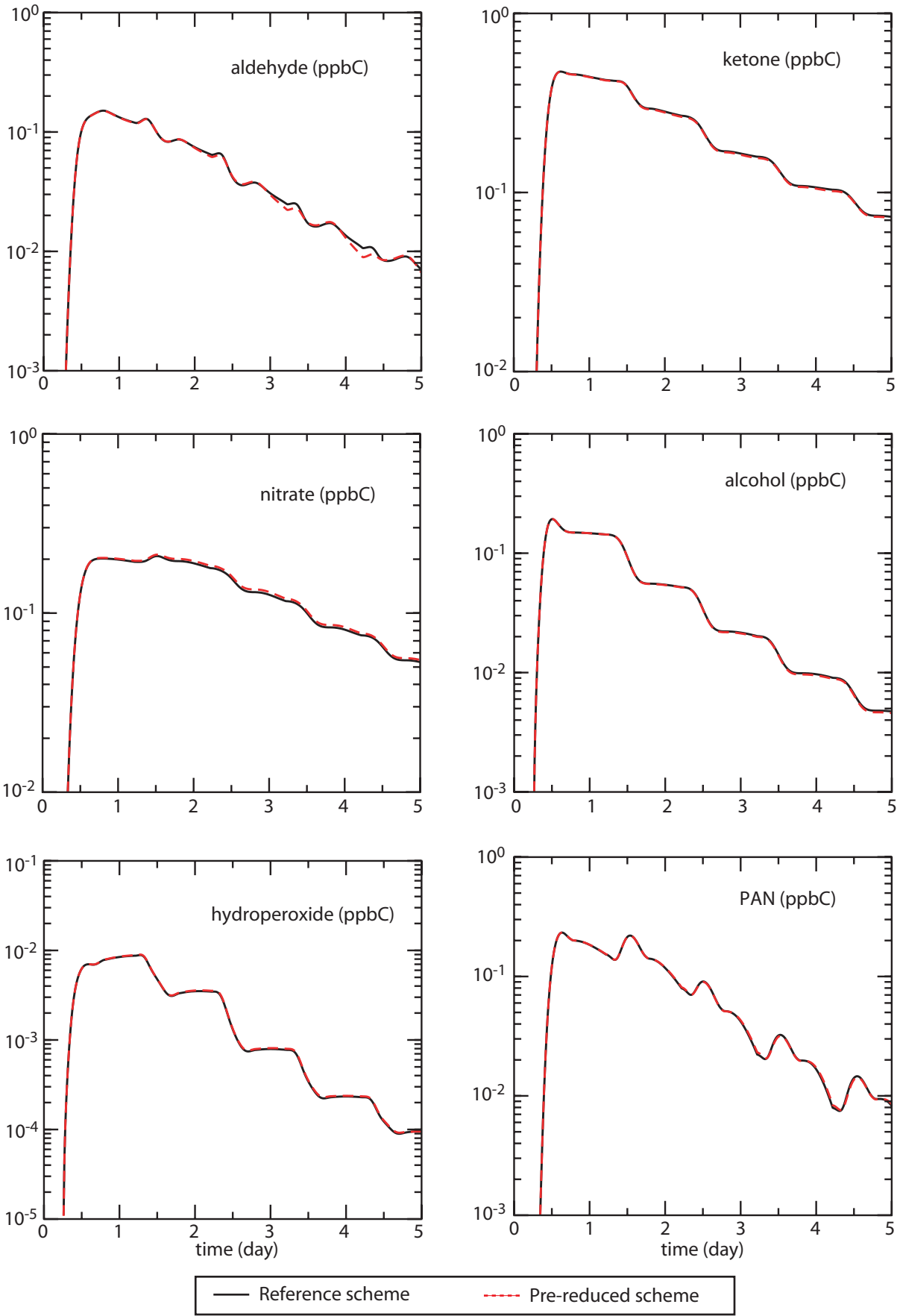


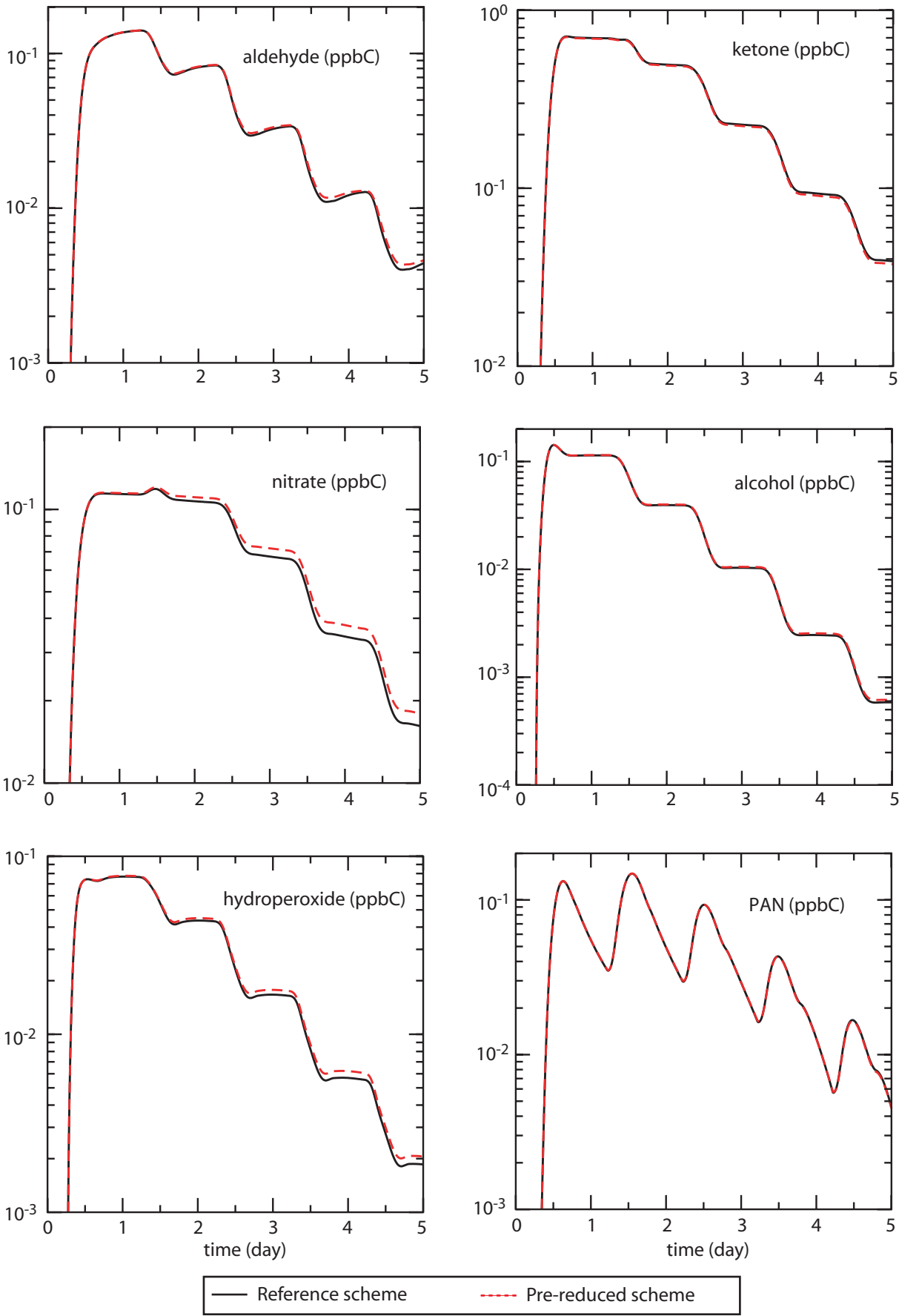
Appendix B

Concentration time series for organic functionalities simulated with the fully explicit chemical scheme and the pre-reduced chemical scheme. Results are for hexane and isoprene oxidation with initial mixing ratio set to 1 ppb. The simulation are run for 5 days under 4 NO_x conditions: 3 cases in which the NO_x level is set to a fixed value of 1 ppb, 100 ppt, 10 ppt ; and 1 case in which the NO_x evolve freely starting with a mixing ratio of 1 ppb.

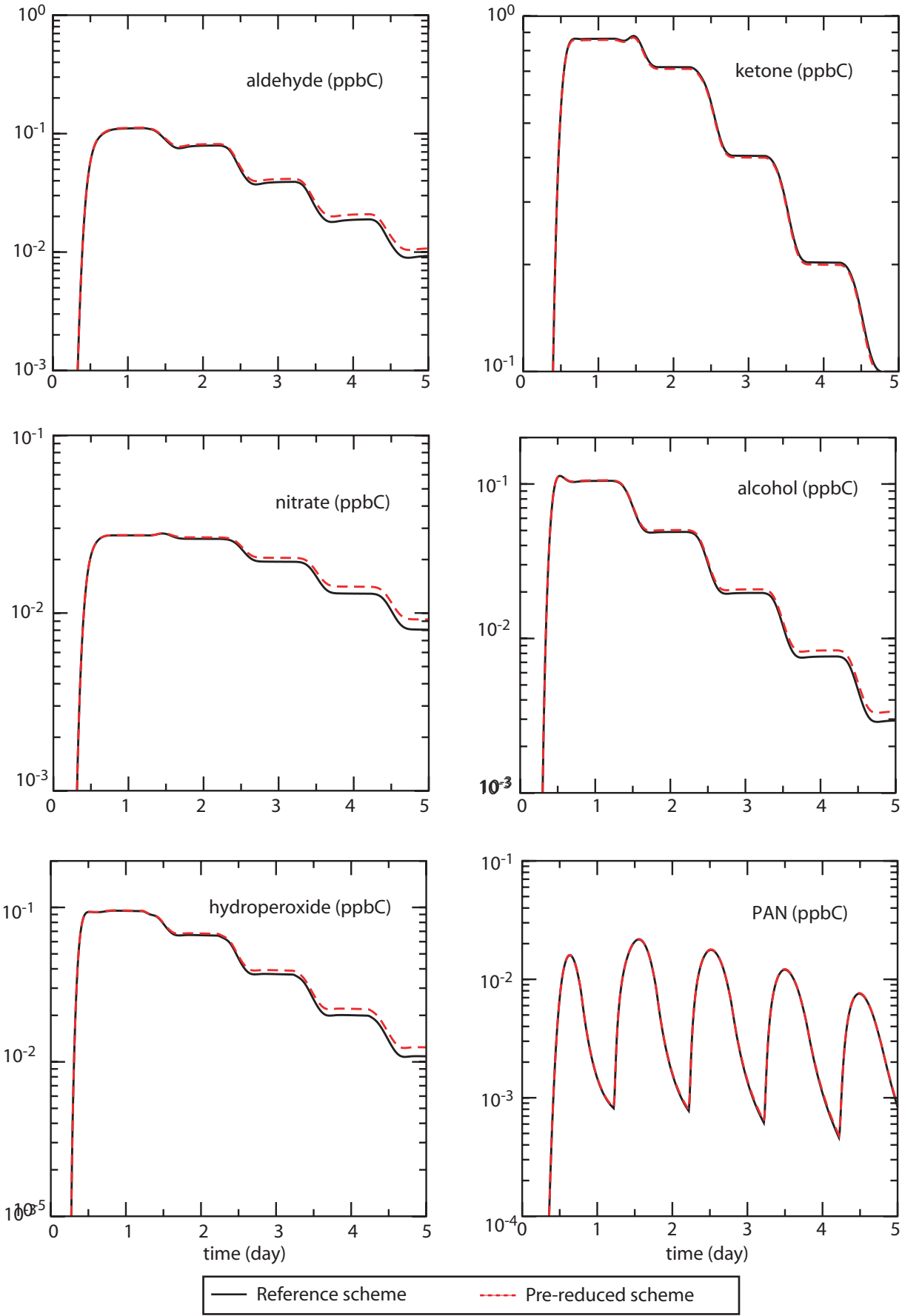
Hexane oxidation - NO_x mixing ratio constrained to 1 ppb. Concentration time series for organic functionalities found in secondary VOC.



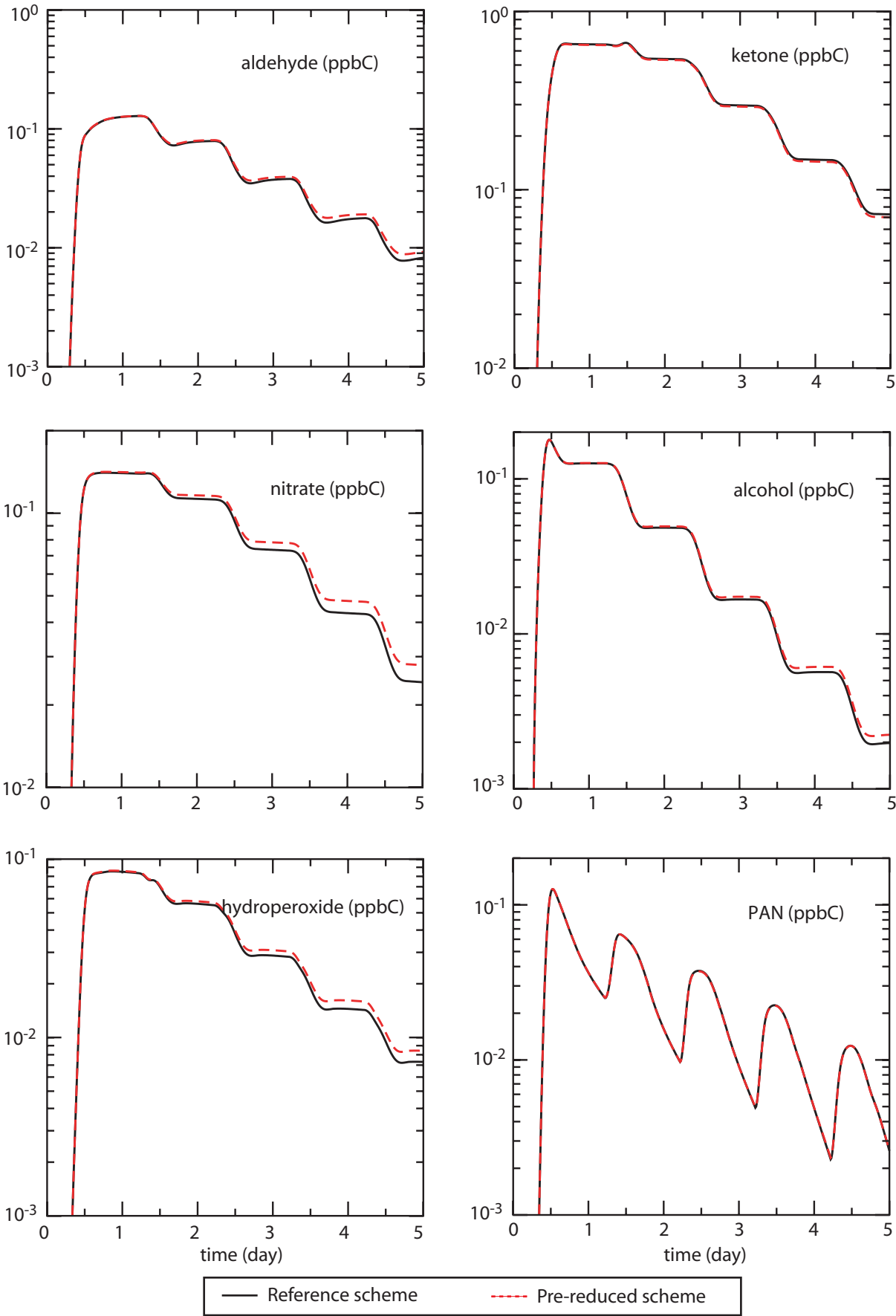
Hexane oxidation - NO_x mixing ratio constrained to 100 ppt. Concentration time series for organic functionalities found in secondary VOC.



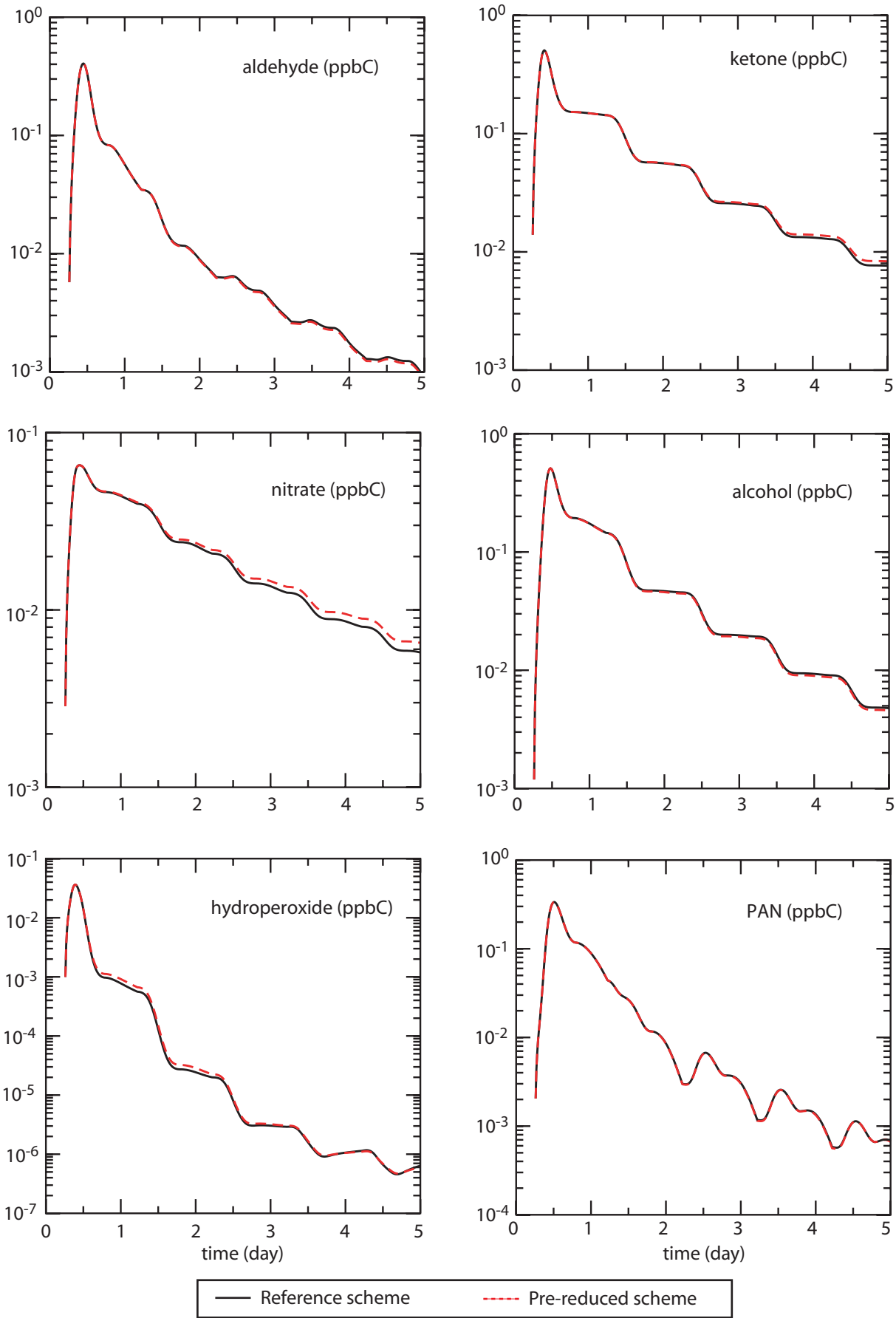
Hexane oxidation - NO_x mixing ratio constrained to 10 ppt. Concentration time series for organic functionalities found in secondary VOC.



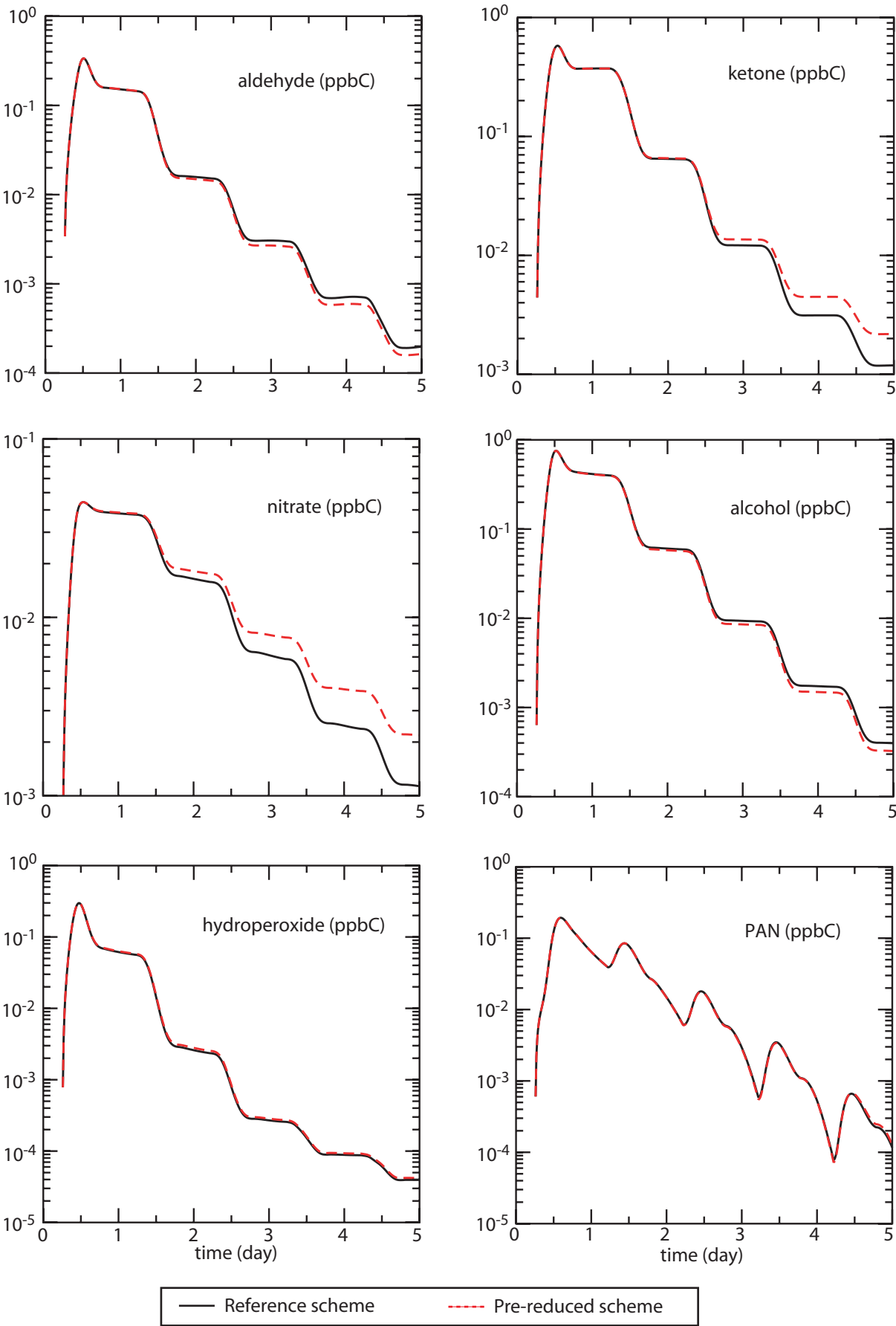
Hexane oxidation – NO_x not constrained and set to an initial mixing ratio of 1 ppb.
Concentration time series for organic functionalities found in secondary VOC.



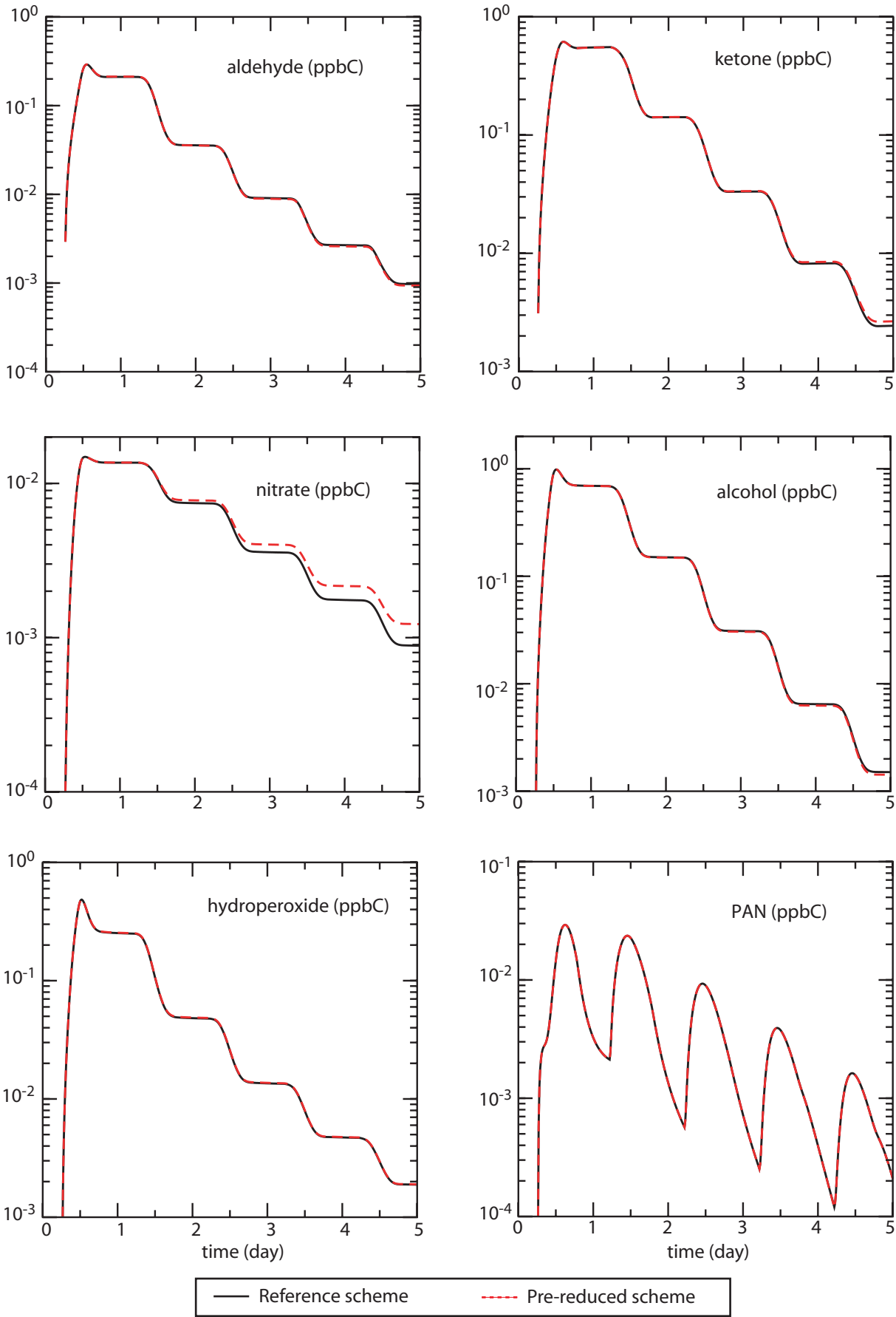
Isoprene oxidation under 1 ppb fixed NO_x mixing ratio. Concentration time series for organic functionalities found in secondary VOC.



Isoprene oxidation under 100 ppt fixed NO_x mixing ratio. Concentration time series for organic functionalities found in secondary VOC.



Isoprene oxidation under 10 ppt fixed NO_x mixing ratio. Concentration time series for organic functionalities found in secondary VOC.



Isoprene oxidation – NO_x not constrained and set to an initial mixing ratio of 1 ppb.
Concentration time series for organic functionalities found in secondary VOC.

