Influence of nitrogen oxides and volatile organic compounds emission changes on tropospheric ozone variability, trends and radiative effect

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Table S1. Primary volatile organic compounds. BIGALKANE is a lumped species for all alkanes C4 and greater, BIGENE lumps all alkenes C4 and greater.

S.N.	VOCs name
1	Benzene
2	BIGALKANE
3	BIGENE
4	acetylene
5	ethene
6	ethanol
7	ethane
8	propene
9	propane
10	formaldehyde
11	acetaldehyde
12	acetone
13	acetic acid
14	methanol
15	methane
16	formic acid
17	butan-2-one
18	toluene
19	xylenes
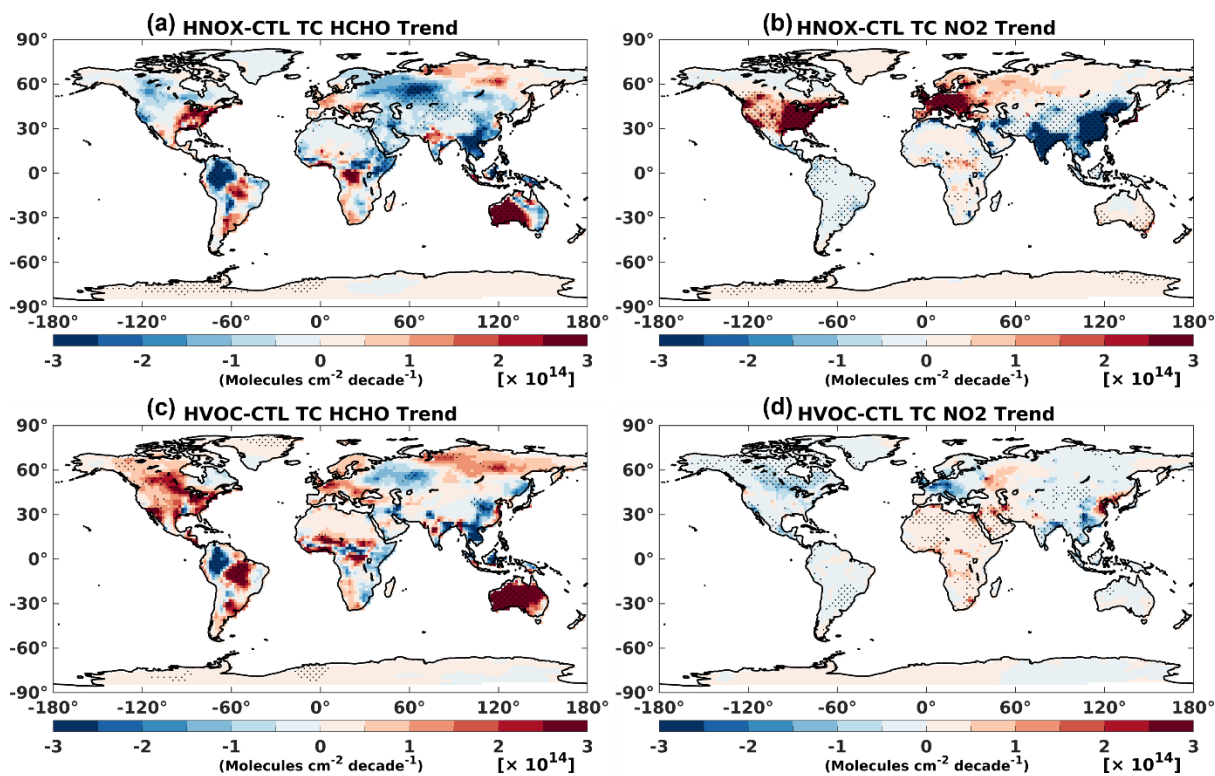
Figure S1. Trends in the tropospheric column (a) HCHO, (b) NO$_2$ during 1998 – 2019 from ECHAM6–HAMMOZ simulation for HNOx - CTL. (c–d) are the same as that of (a–b) but for HVOC - CTL simulation. The stippled region indicates the trend significant at 95% confidence based on the t-test.