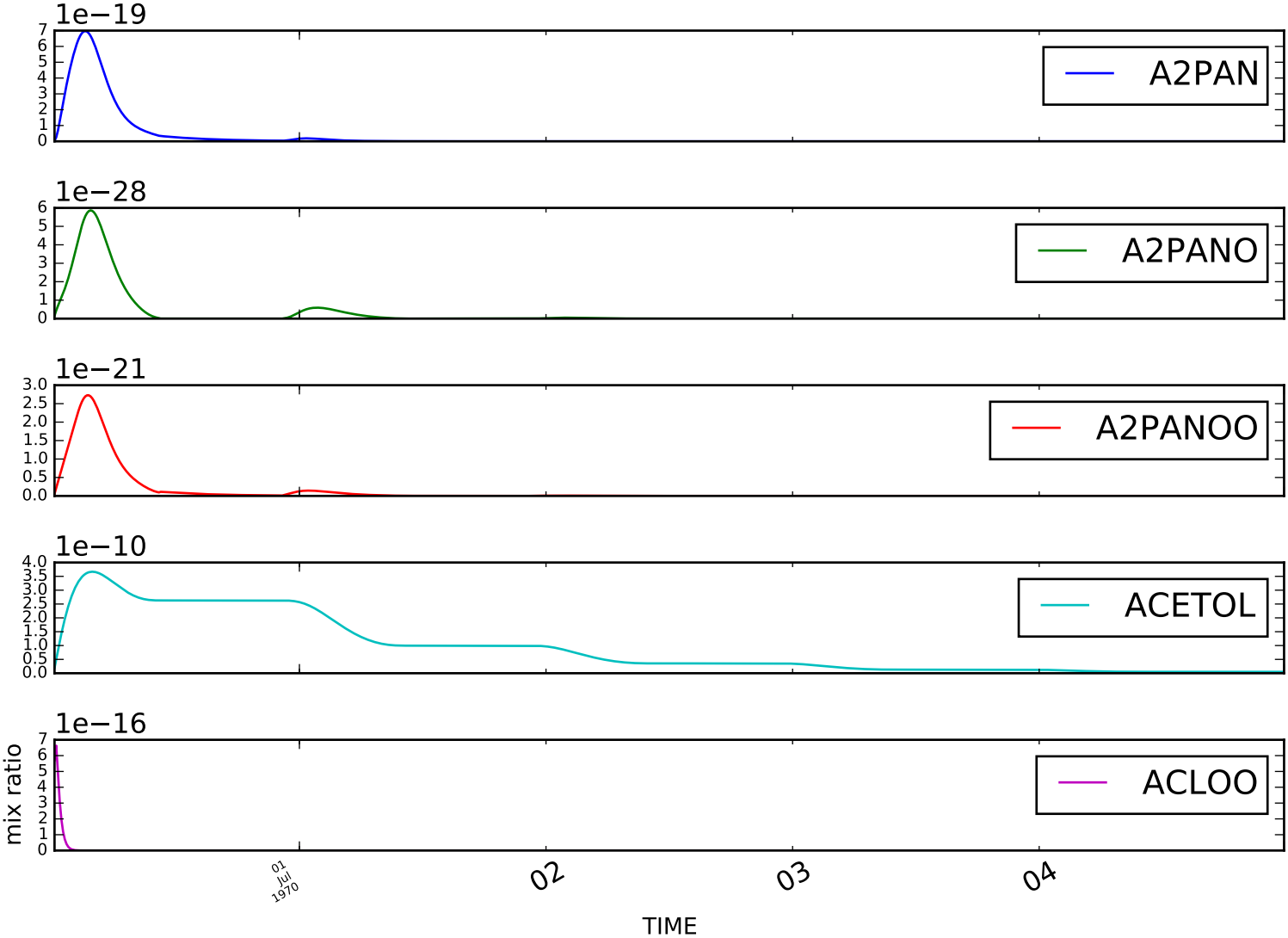
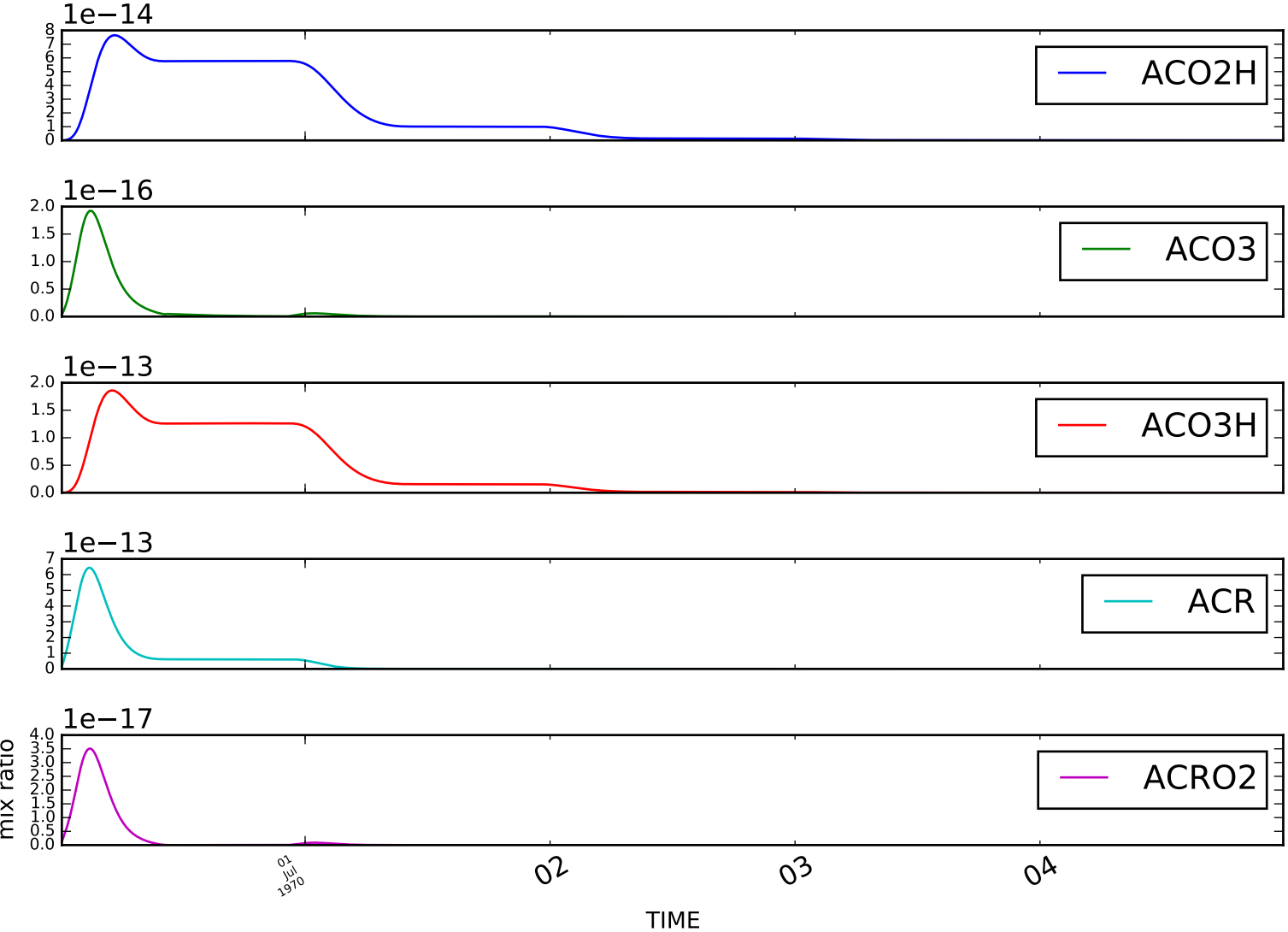
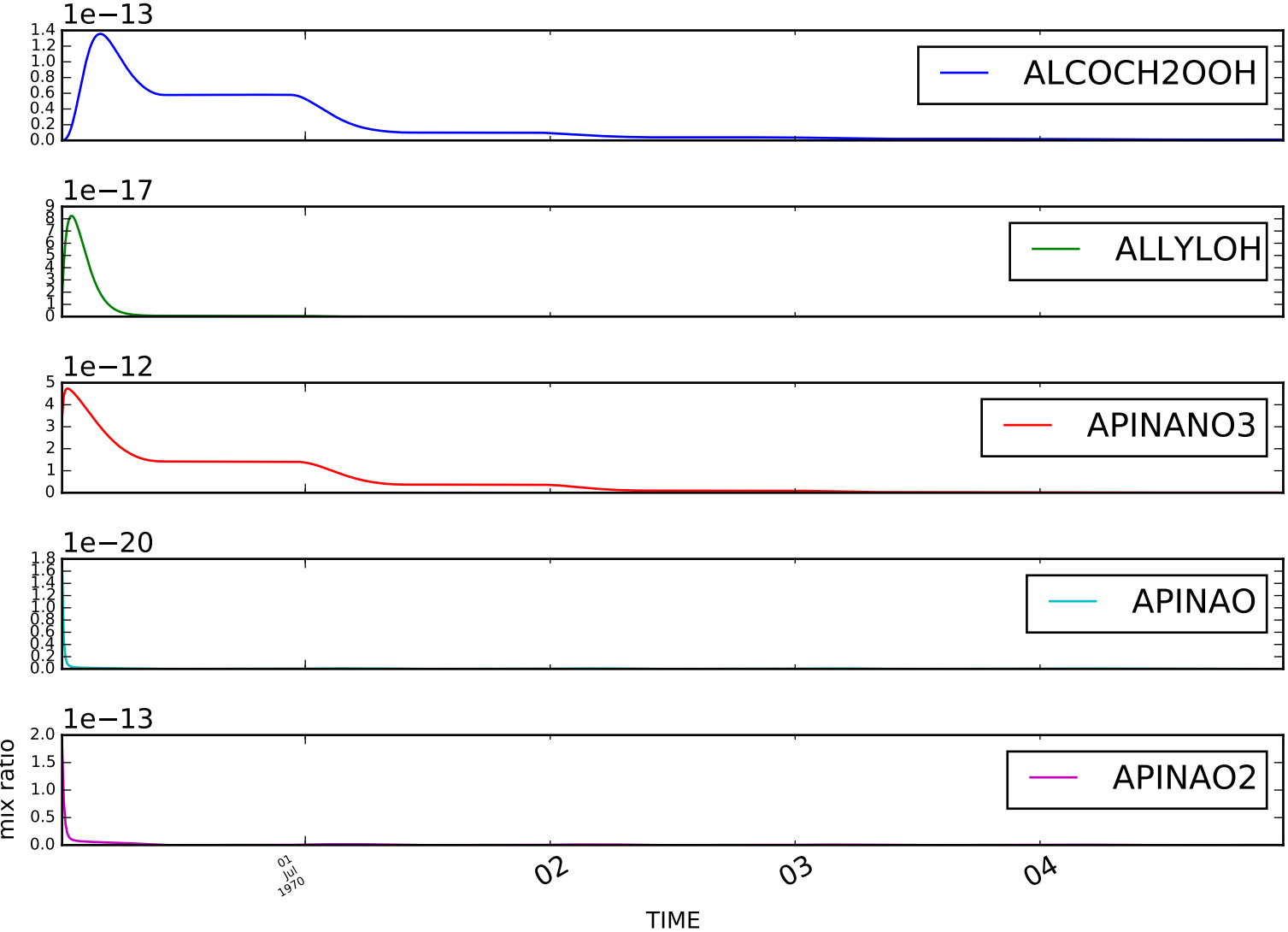

1e−19
A2PAN
1e−28
A2PANO
1e−21
A2PANOO
1e−10
ACETOL
1e−16
ACLOO
mix ratio
01
Jul
1970
02
03
04
TIME


1e−14
ACO2H
1e−16
ACO3
1e−13
ACO3H
1e−13
ACR
1e−17
ACRO2
mix ratio
01
Jul
1970
02
03
04
TIME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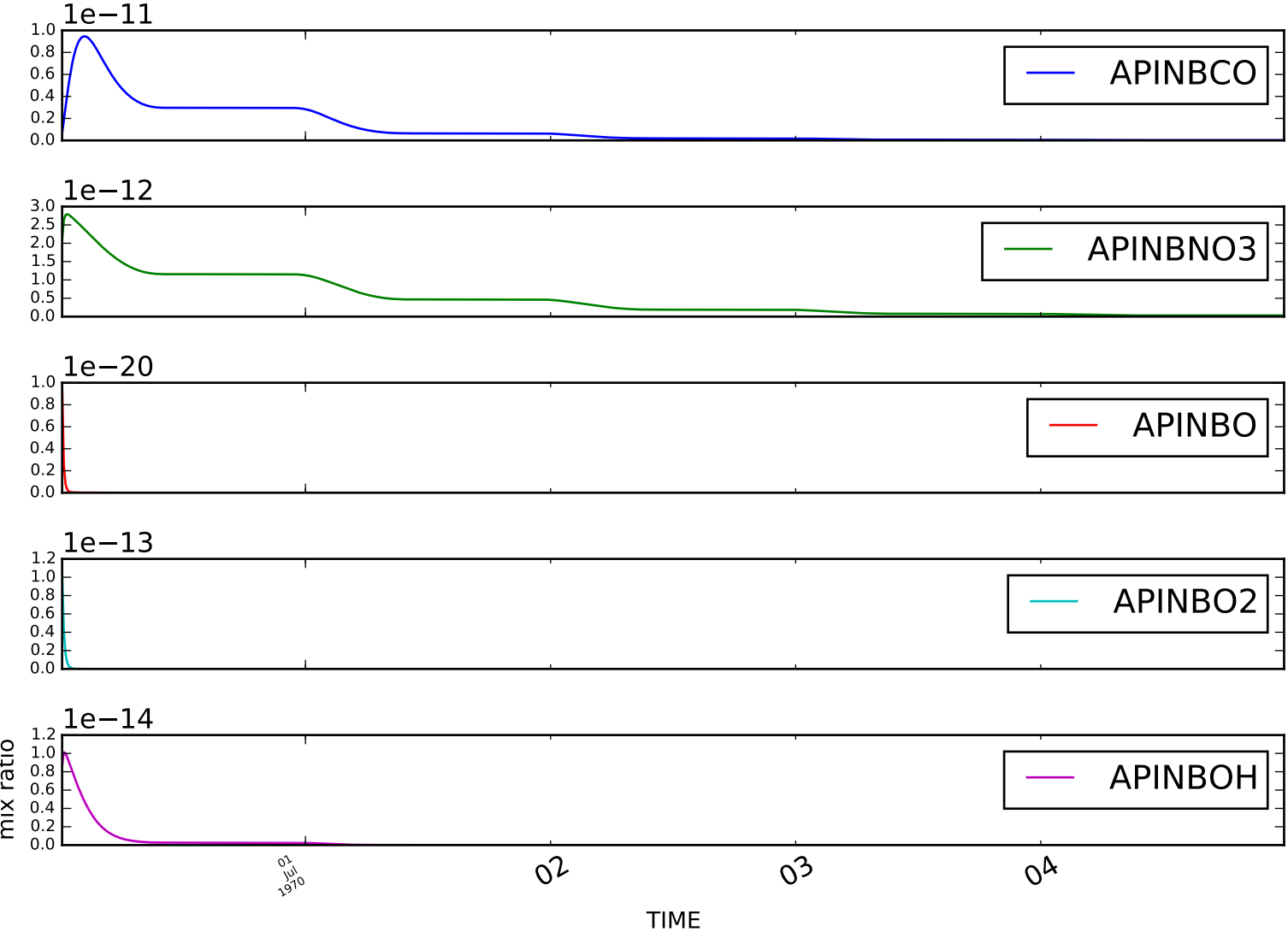
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ALCOCH2OOH
1e−17
9
8
7
6
5
4
3
2
1
0
ALLYLOH
1e−12
5
4
3
2
1
0
APINANO3
1e−20
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
APINAO
1e−13
2.0
1.5
1.0
0.5
0.0
APINAO2
mix ratio
01
Jul
1970
02
03
04
TIME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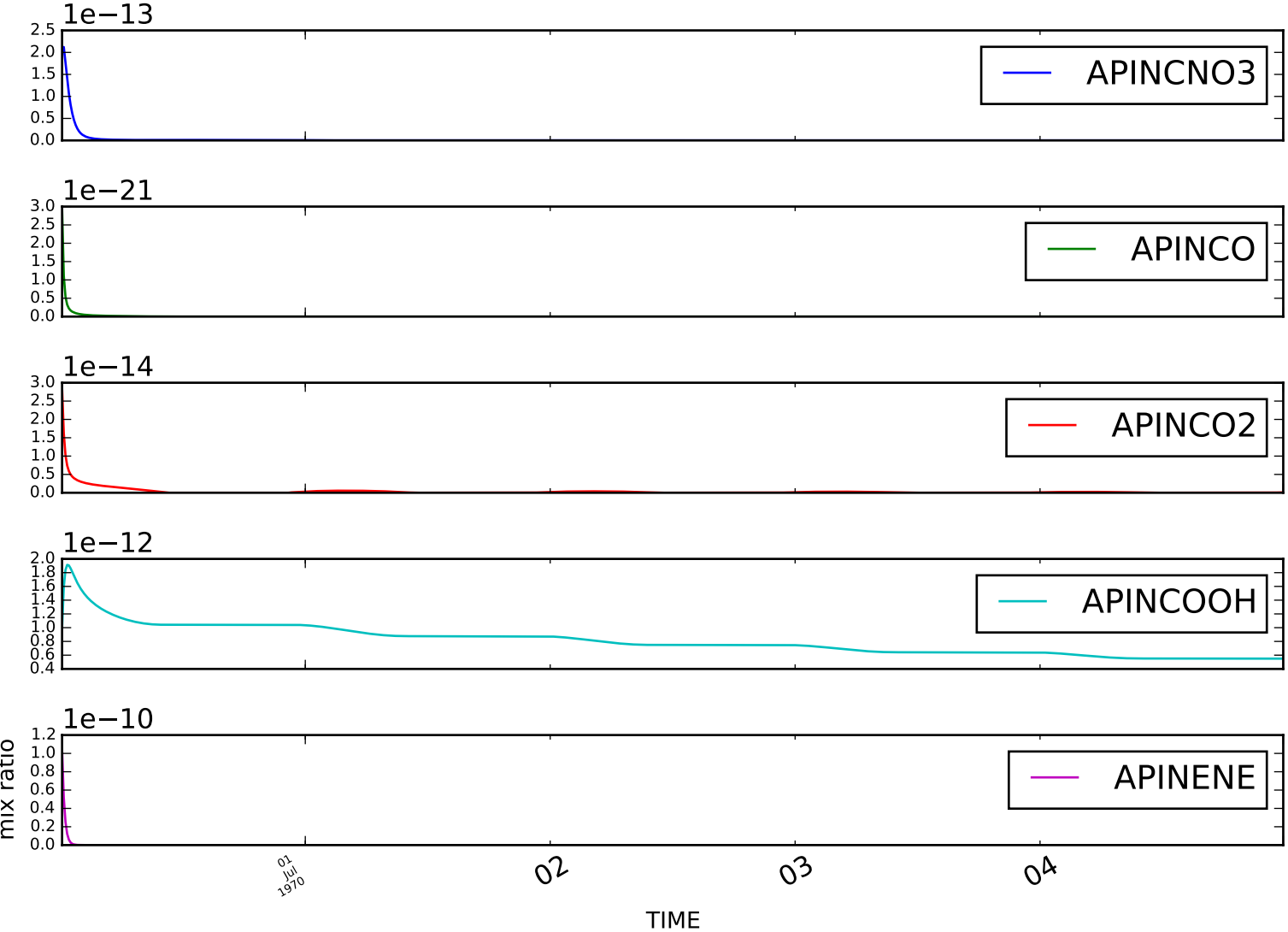
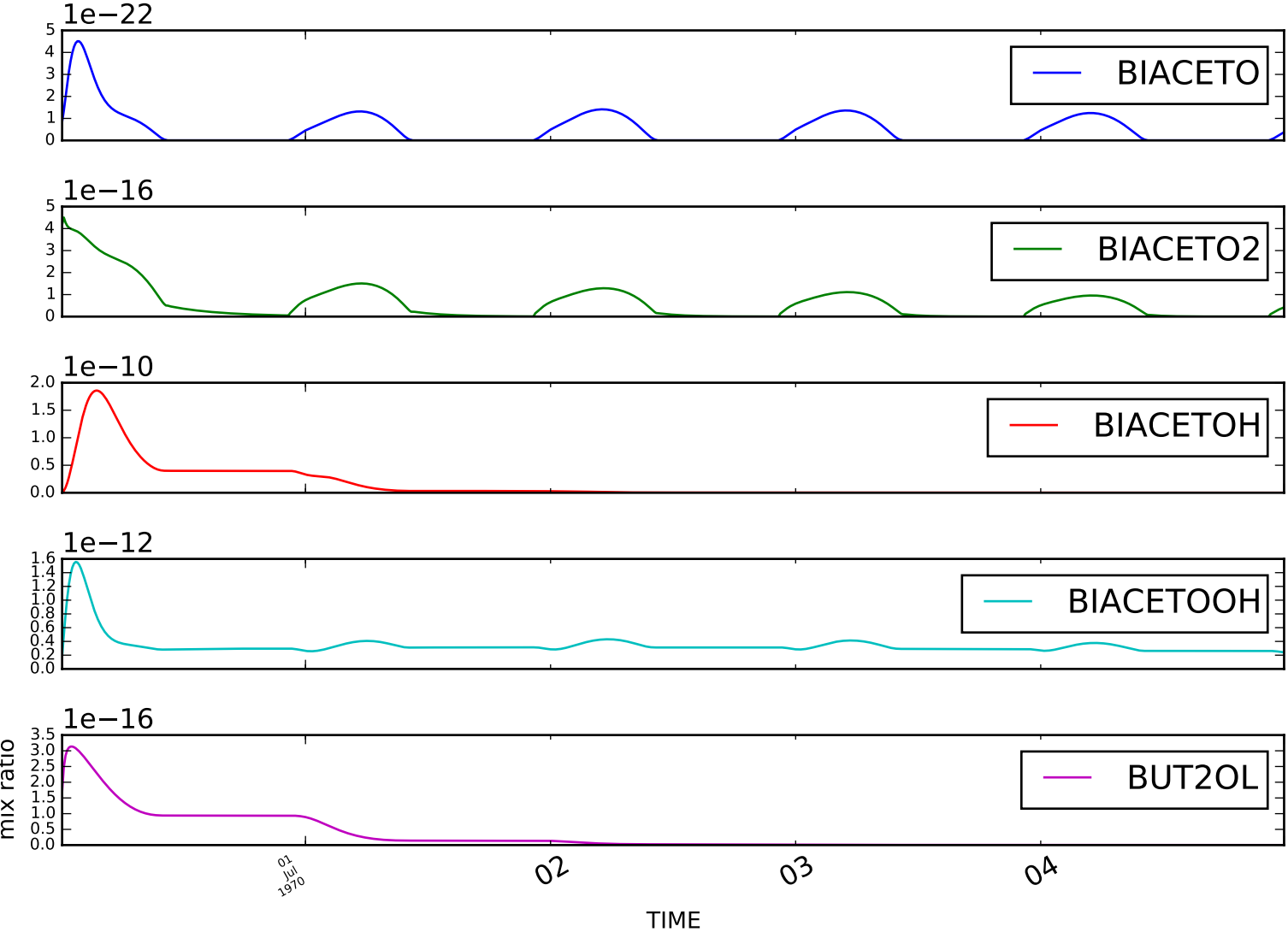
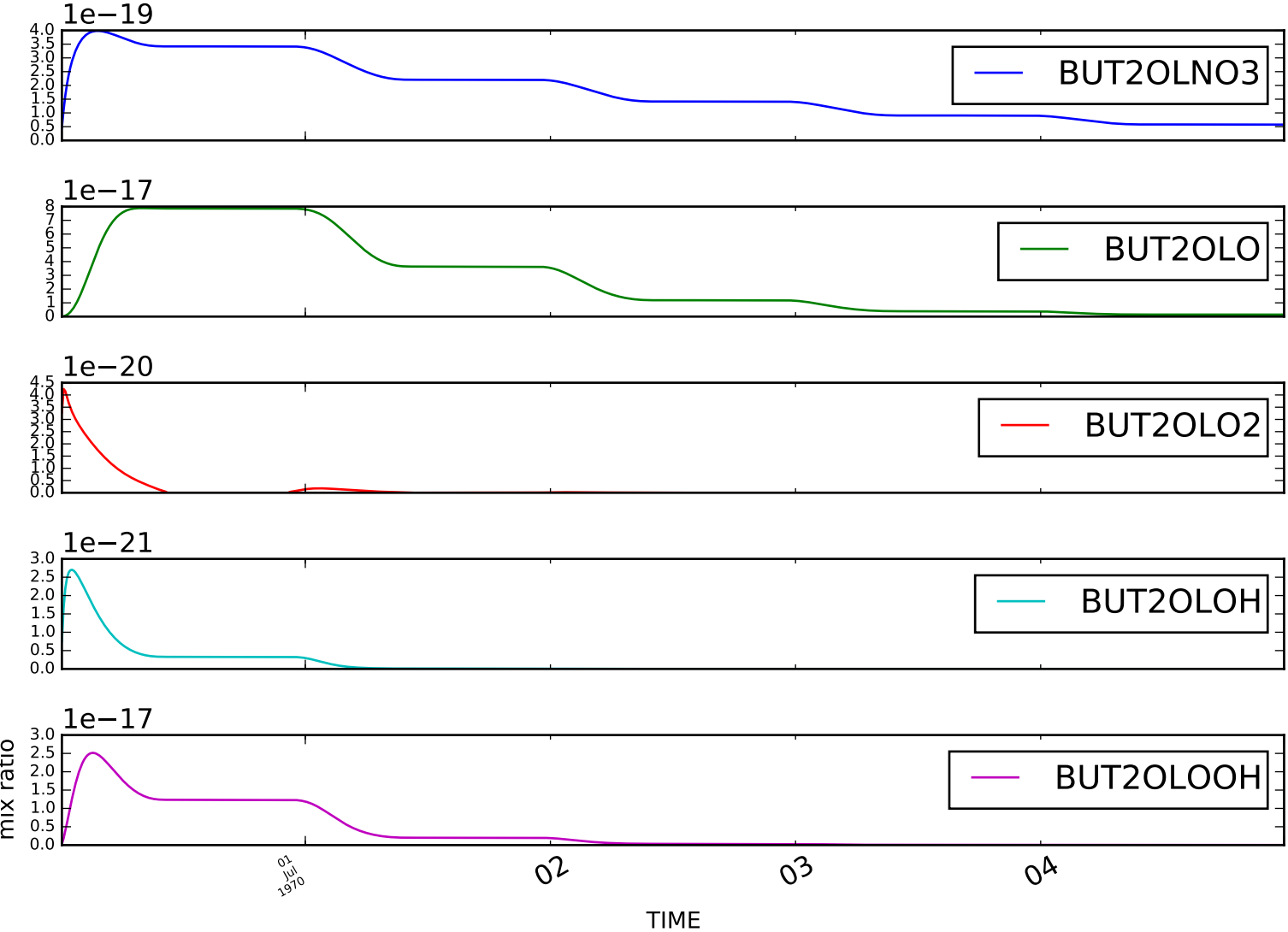
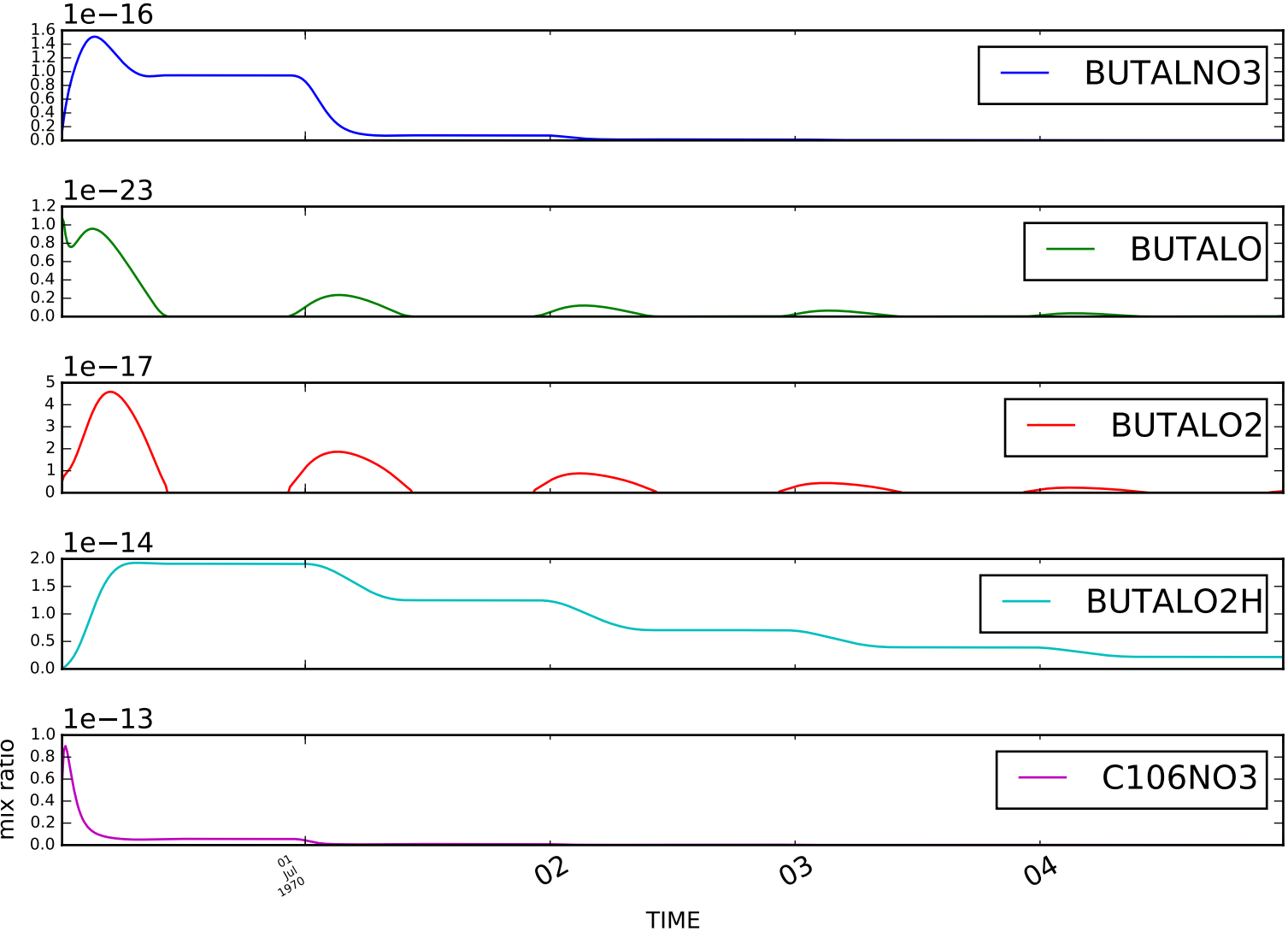
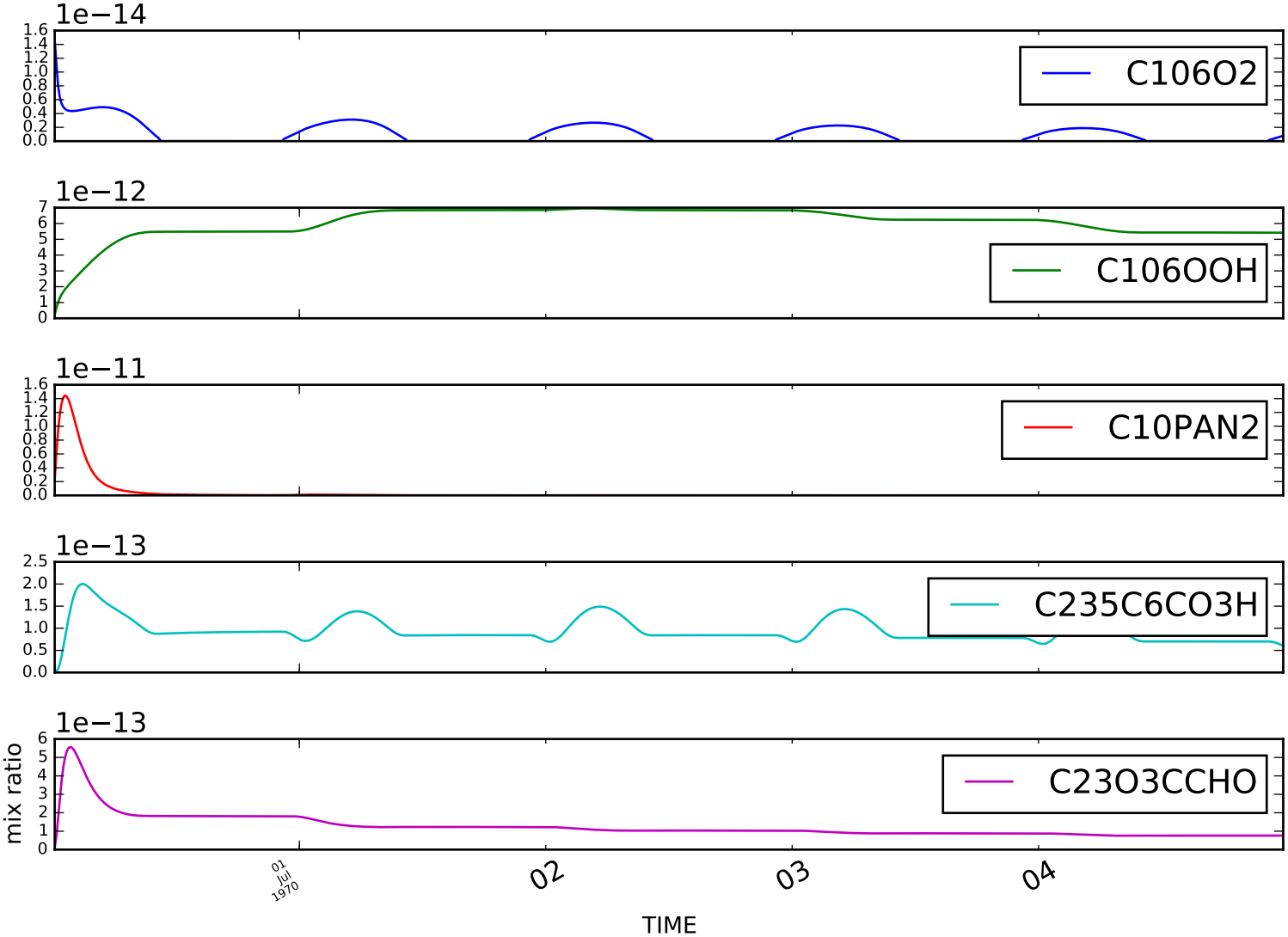
0.8
0.6
0.4
0.2
0.0
APINBCO
1e−12
3.0
2.5
2.0
1.5
1.0
0.5
0.0
APINBNO3
1e−20
1.0
0.8
0.6
0.4
0.2
0.0
APINBO
1e−13
1.2
1.0
0.8
0.6
0.4
0.2
0.0
APINBO2
1e−14
1.2
1.0
0.8
0.6
0.4
0.2
0.0
APINBOH
mix ratio
01
Jul
1970
02
03
04
TIME

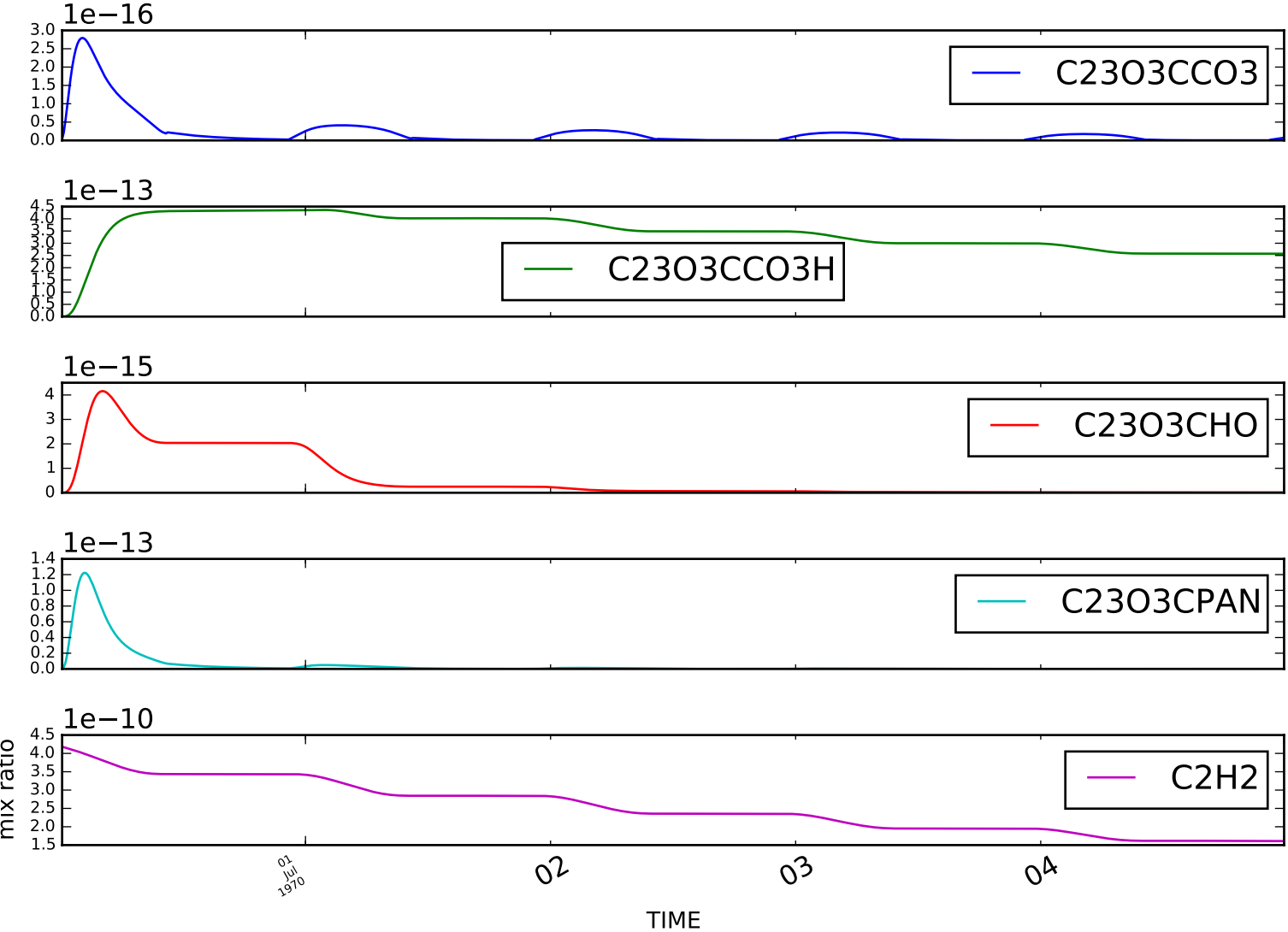

1e−13
2.5
2.0
1.5
1.0
0.5
0.0
APINCNO3
1e−21
3.0
2.5
2.0
1.5
1.0
0.5
0.0
APINCO
1e−14
3.0
2.5
2.0
1.5
1.0
0.5
0.0
APINCO2
1e−12
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
APINCOOH
1e−10
1.2
1.0
0.8
0.6
0.4
0.2
0.0
APINENE
mix ratio
01
Jul
1970
02
03
04
TIME

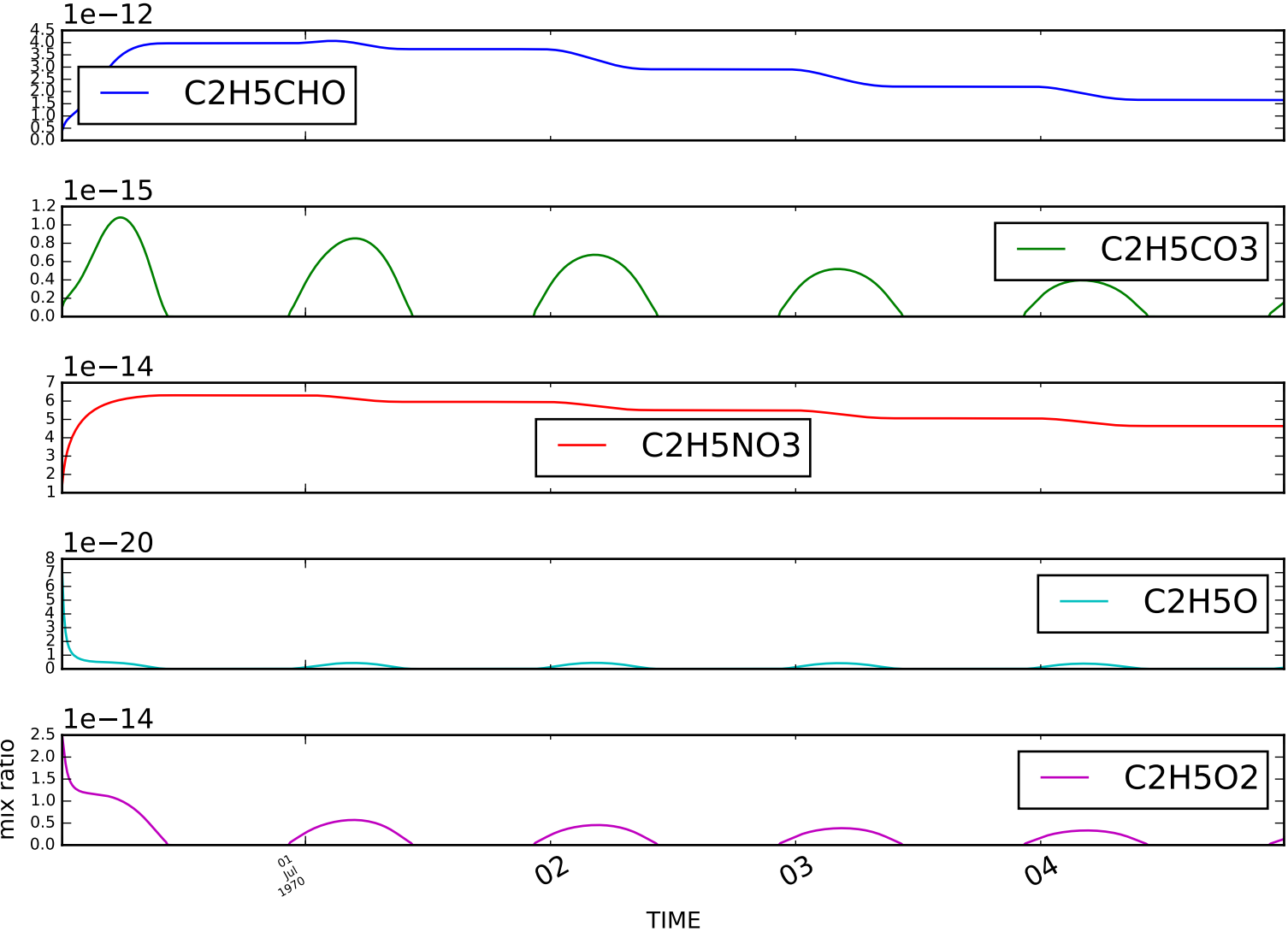

1e−22
BIACETO
1e−16
BIACETO2
1e−10
BIACETOH
1e−12
BIACETOOH
1e−16
BUT2OL
mix ratio
01
Jul
1970
02
03
04
TIME

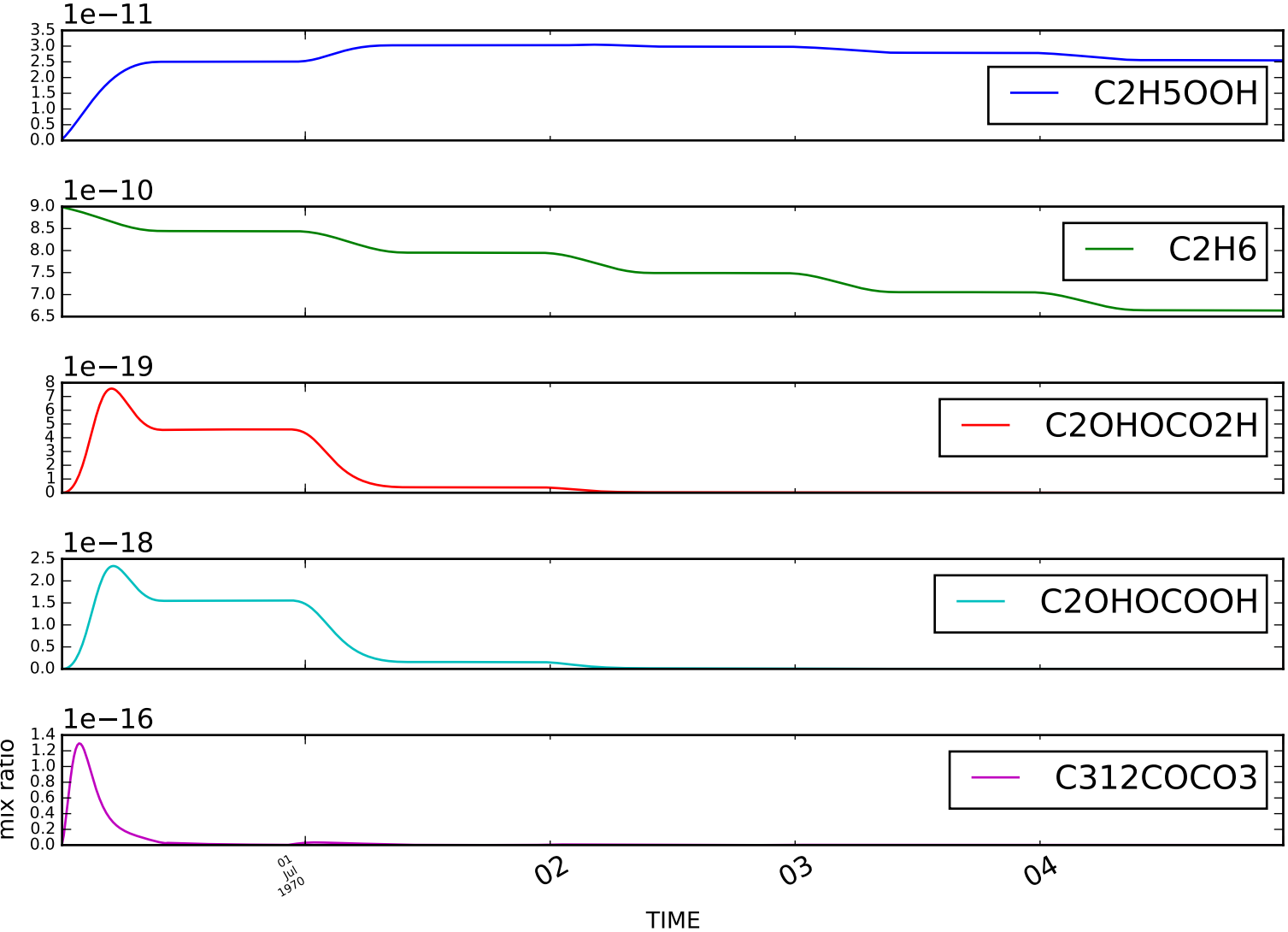

1e−19
BUT2OLNO3
1e−17
BUT2OLO
1e−20
BUT2OLO2
1e−21
BUT2OLOH
1e−17
BUT2OLOOH
mix ratio
01
Jul
1970
02
03
04
TIME

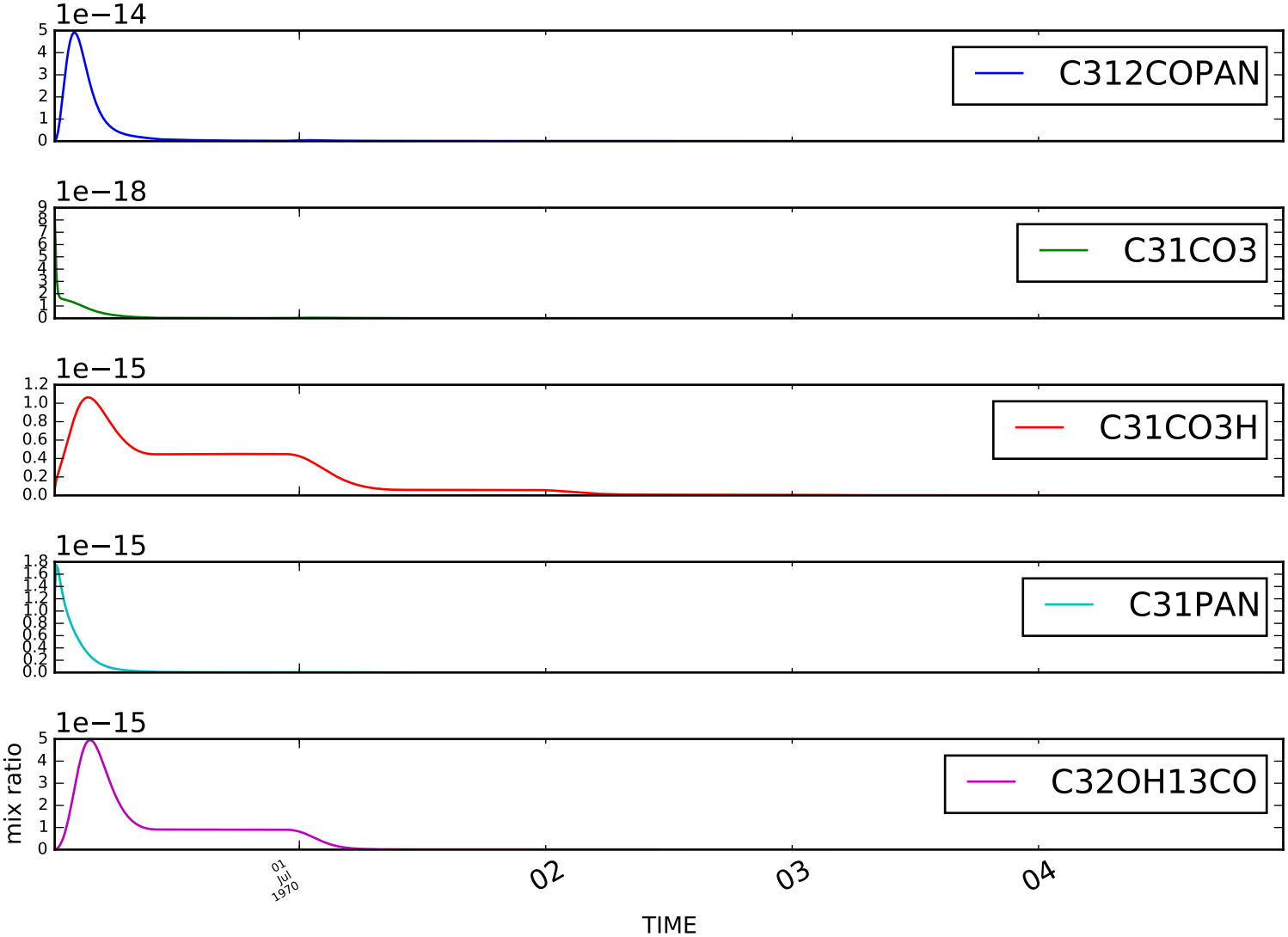

1e−16
BUTALNO3
1e−23
BUTALO
1e−17
BUTALO2
1e−14
BUTALO2H
1e−13
C106NO3
mix ratio
01
Jul
1970
02
03
04
TIME

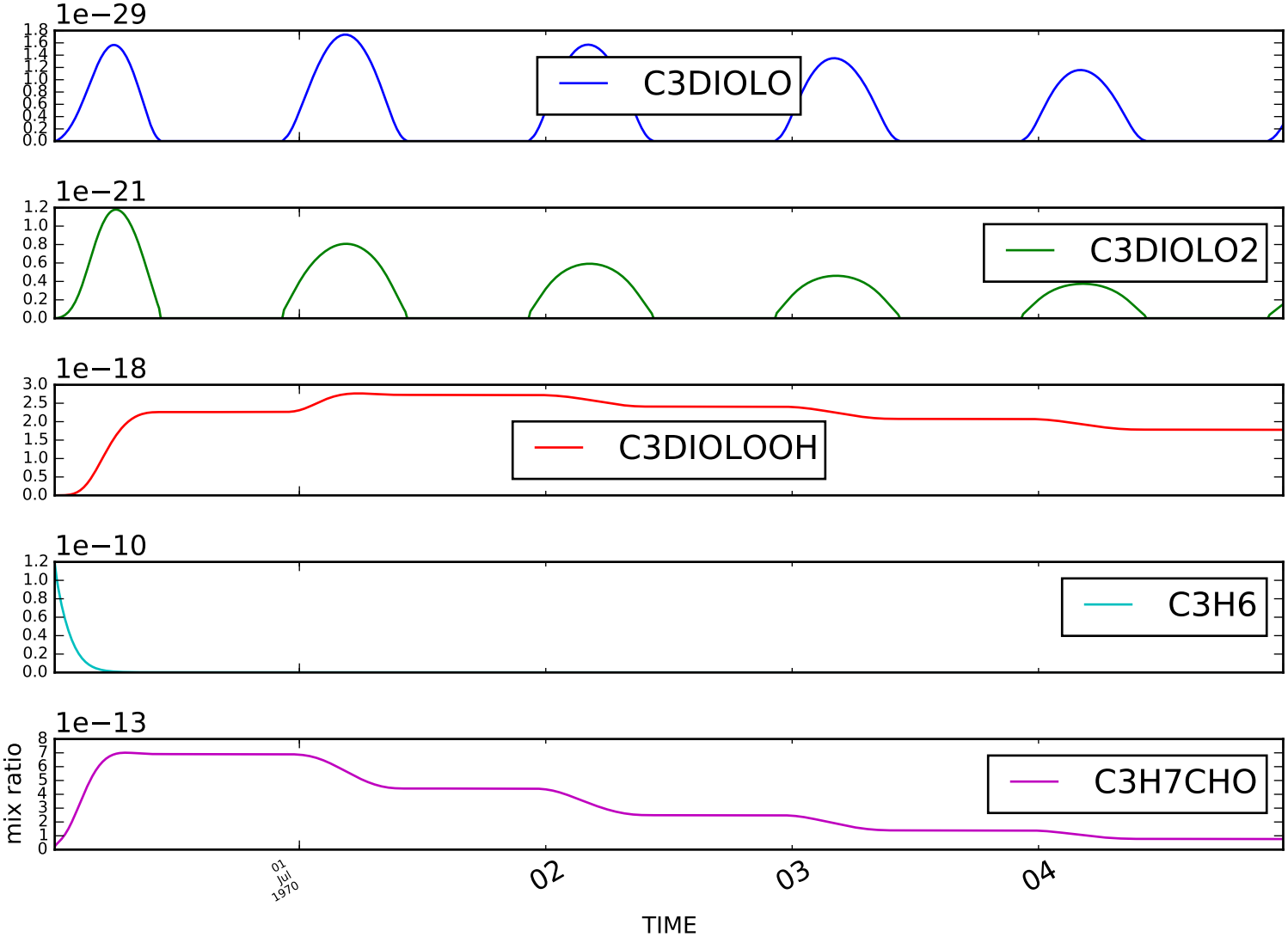

1e−14
C106O2
1e−12
C106OOH
1e−11
C10PAN2
1e−13
C235C6CO3H
1e−13
C23O3CCHO
mix ratio
01
Jul
1970
02
03
04
TIME

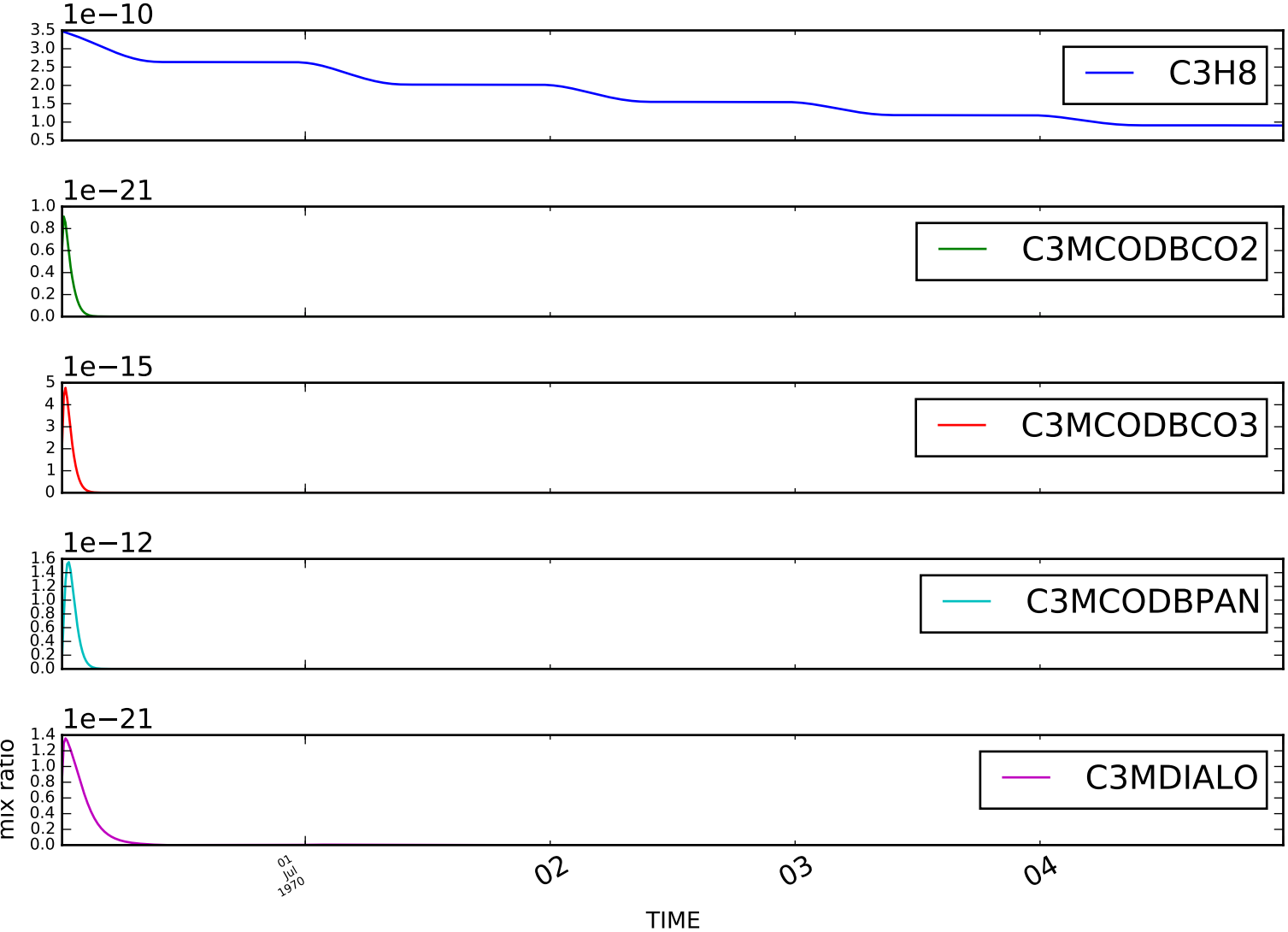

1e−16
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C23O3CCO3
1e−13
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C23O3CCO3H
1e−15
4
3
2
1
0
C23O3CHO
1e−13
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C23O3CPAN
1e−10
4.5
4.0
3.5
3.0
2.5
2.0
1.5
C2H2
mix ratio
01
Jul
1970
02
03
04
TIME

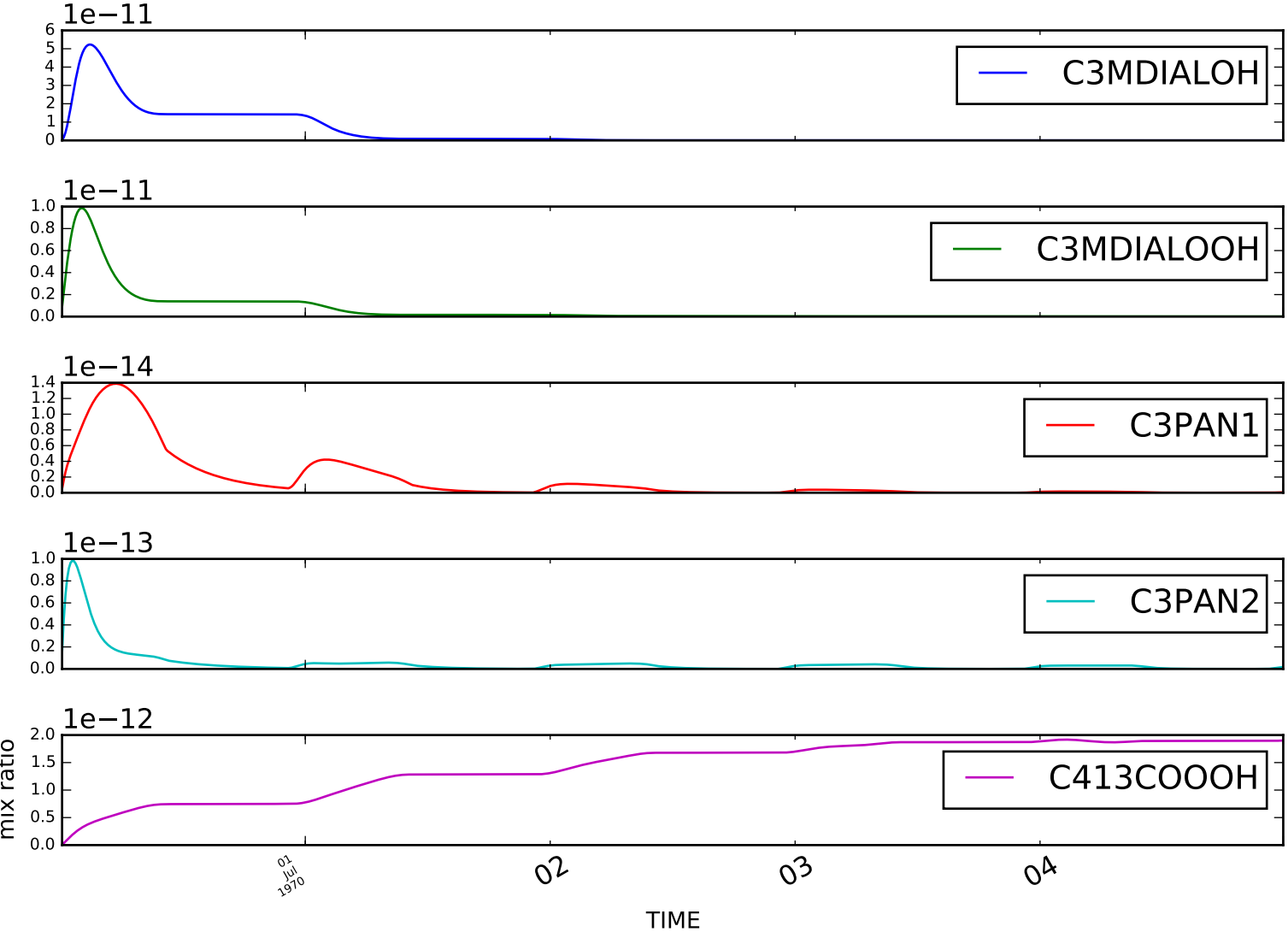

1e−12
C2H5CHO
1e−15
C2H5CO3
1e−14
C2H5NO3
1e−20
C2H5O
1e−14
C2H5O2
mix ratio
01
Jul
1970
02
03
04
TIME

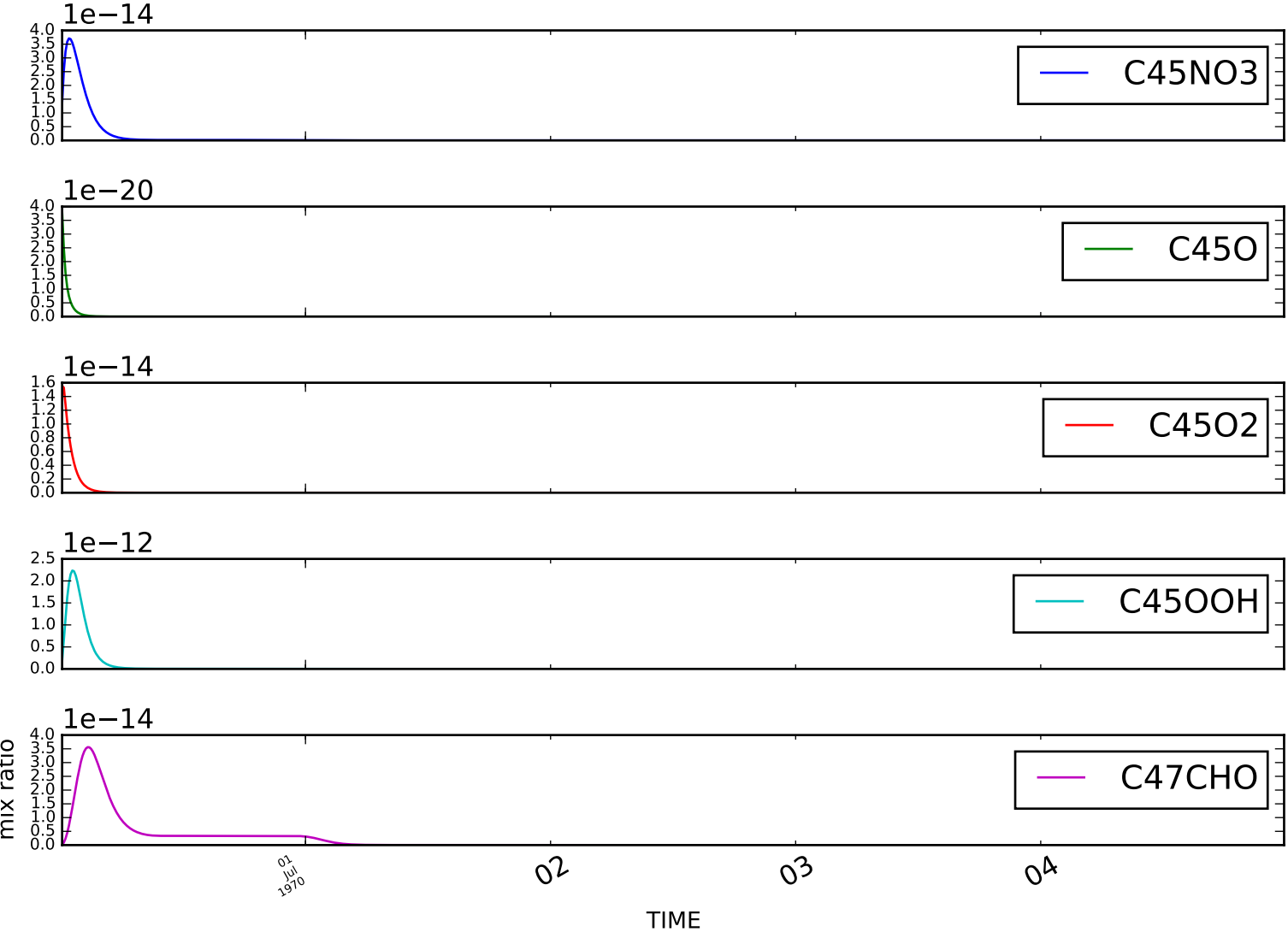

1e−11
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C2H5OOH
1e−10
9.0
8.5
8.0
7.5
7.0
6.5
C2H6
1e−19
8
7
6
5
4
3
2
1
0
C2OHOCO2H
1e−18
2.5
2.0
1.5
1.0
0.5
0.0
C2OHOCOOH
1e−16
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C312COCO3
mix ratio
01
Jul
1970
02
03
04
TIME

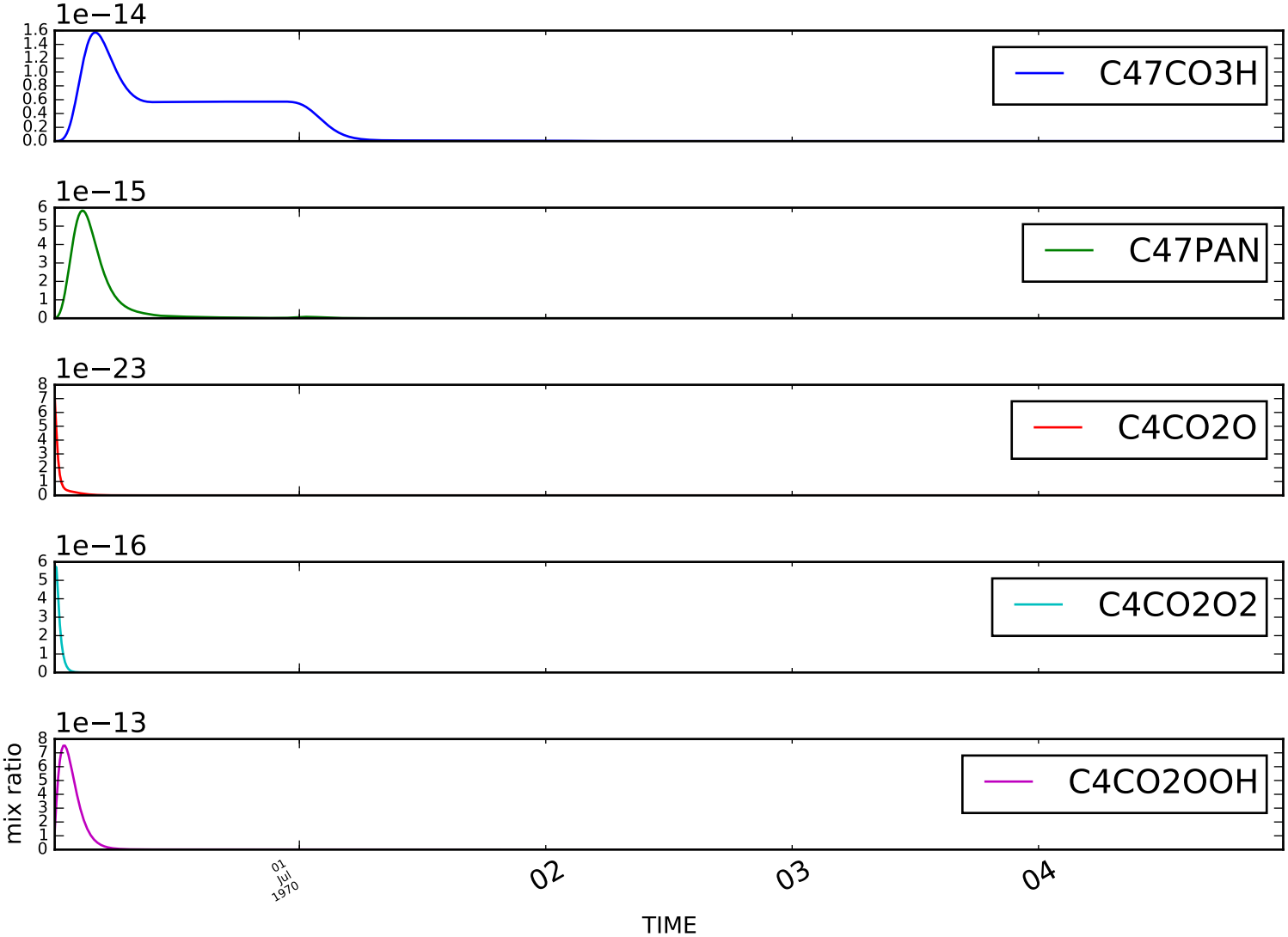

1e−14
C312COPAN
1e−18
C31CO3
1e−15
C31CO3H
1e−15
C31PAN
1e−15
C32OH13CO
mix ratio
01
Jul
1970
02
03
04
TIME

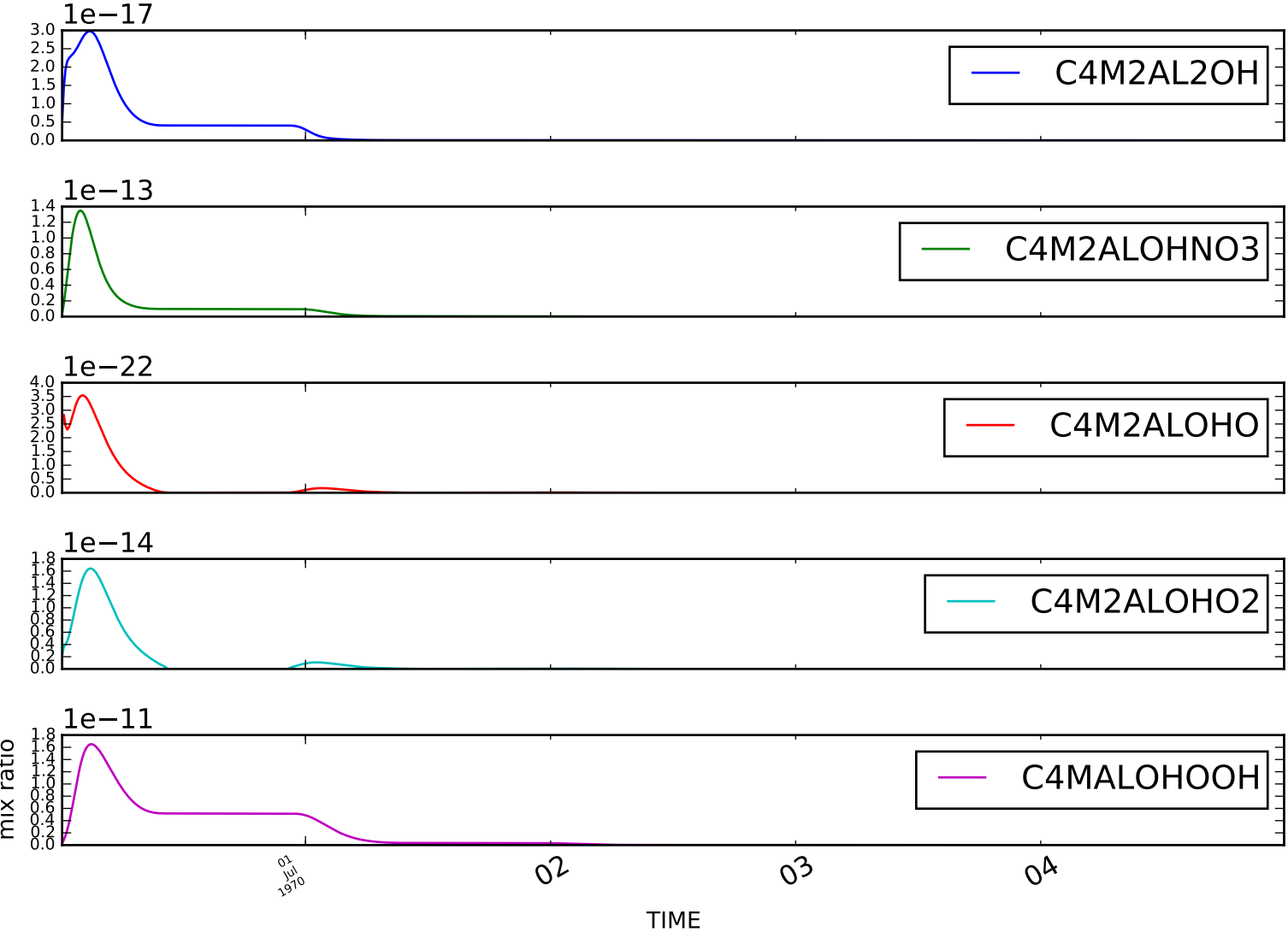

1e−29
C3DIOLO
1e−21
C3DIOLO2
1e−18
C3DIOLOOH
1e−10
C3H6
1e−13
C3H7CHO
mix ratio
01
Jul
1970
02
03
04
TIME

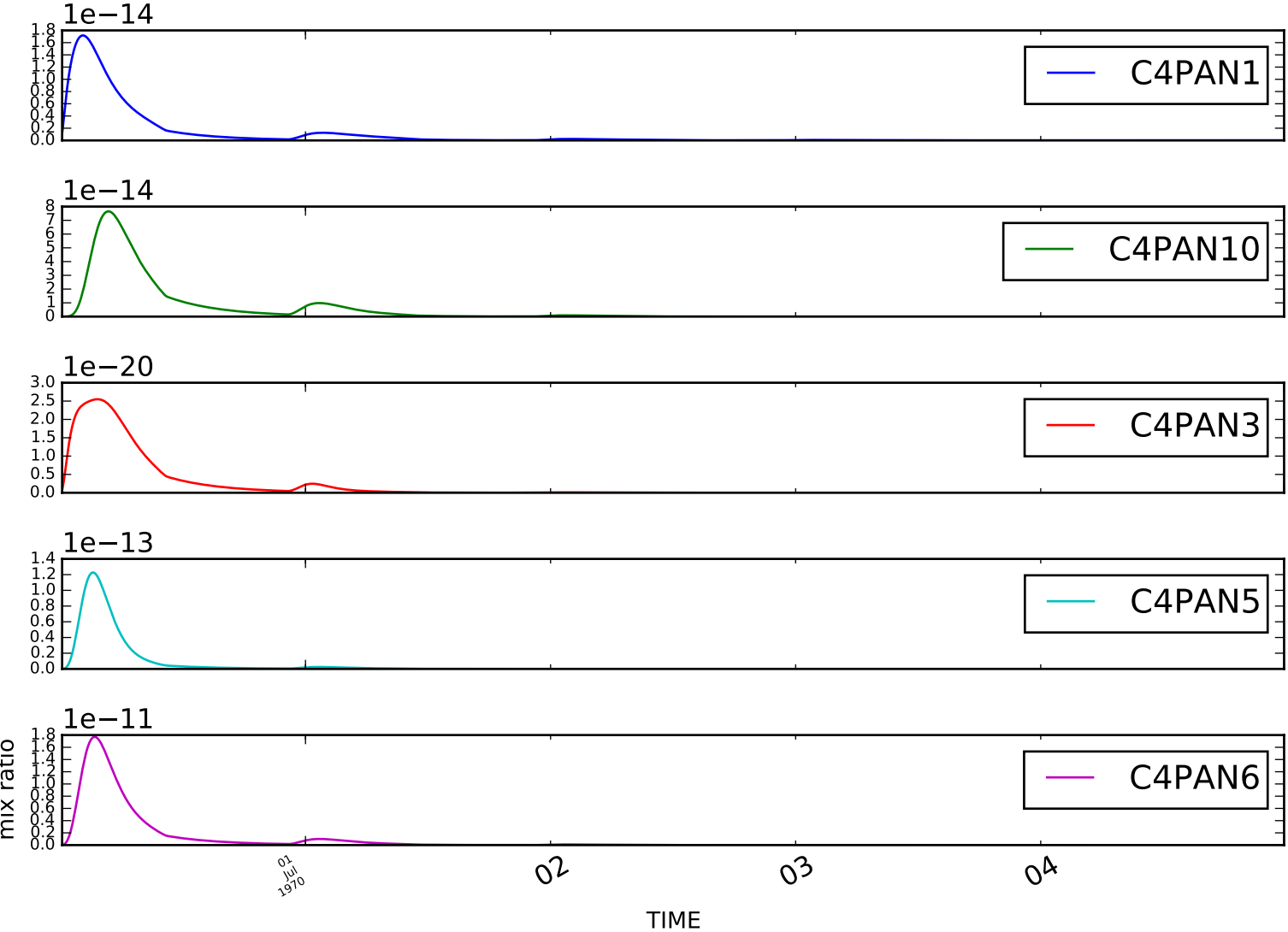

1e−10
3.5
3.0
2.5
2.0
1.5
1.0
0.5
C3H8
1e−21
1.0
0.8
0.6
0.4
0.2
0.0
C3MCODBCO2
1e−15
5
4
3
2
1
0
C3MCODBCO3
1e−12
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C3MCODBPAN
1e−21
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C3MDIALO
mix ratio
01
Jul
1970
02
03
04
TIME

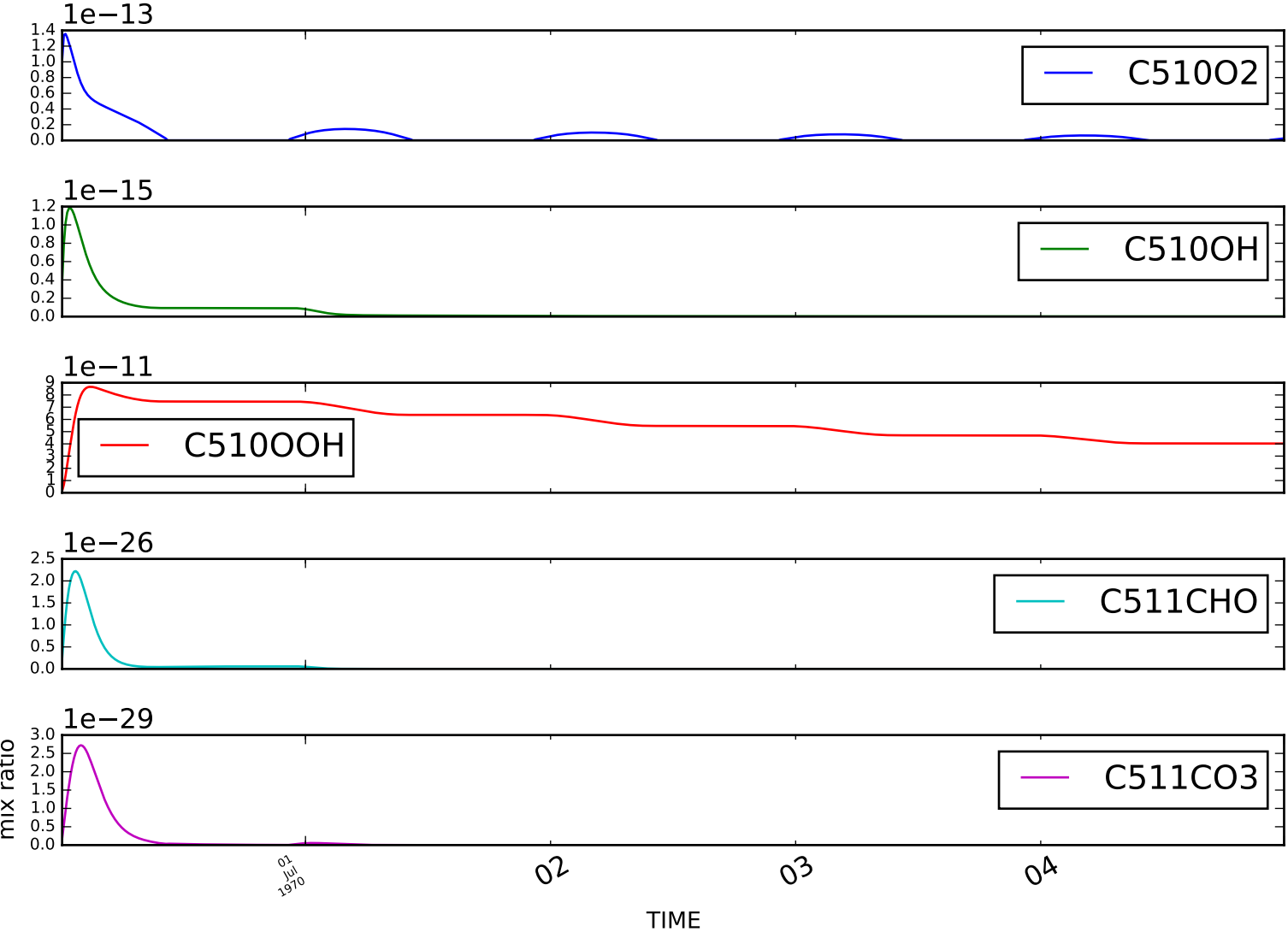

1e−11
C3MDIALOH
1e−11
C3MDIALOOH
1e−14
C3PAN1
1e−13
C3PAN2
1e−12
C413COOOH
mix ratio
01
Jul
1970
02
03
04
TIME

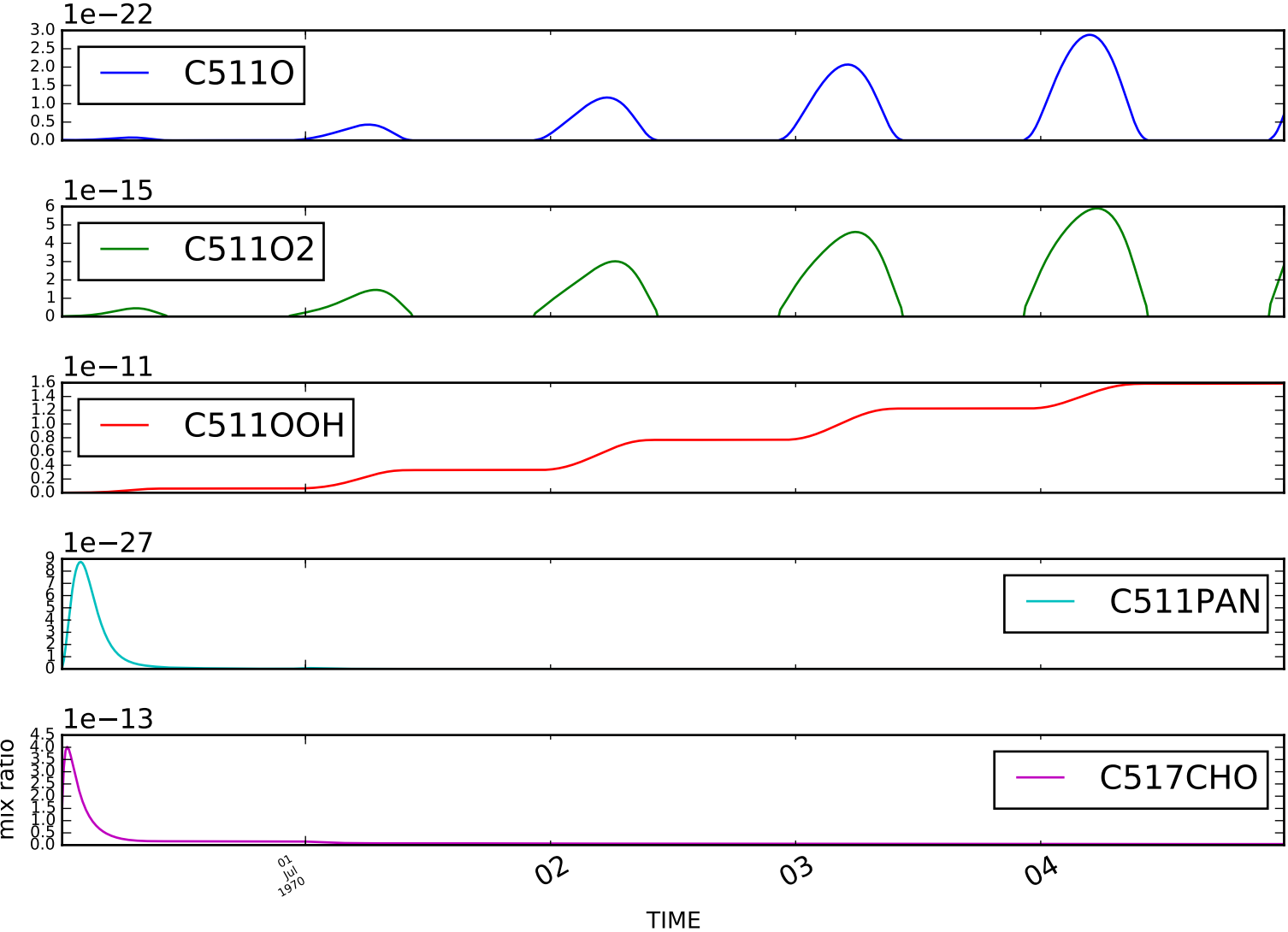

1e−14
C45NO3
1e−20
C45O
1e−14
C45O2
1e−12
C45OOH
1e−14
C47CHO
mix ratio
01
Jul
1970
02
03
04
TIME

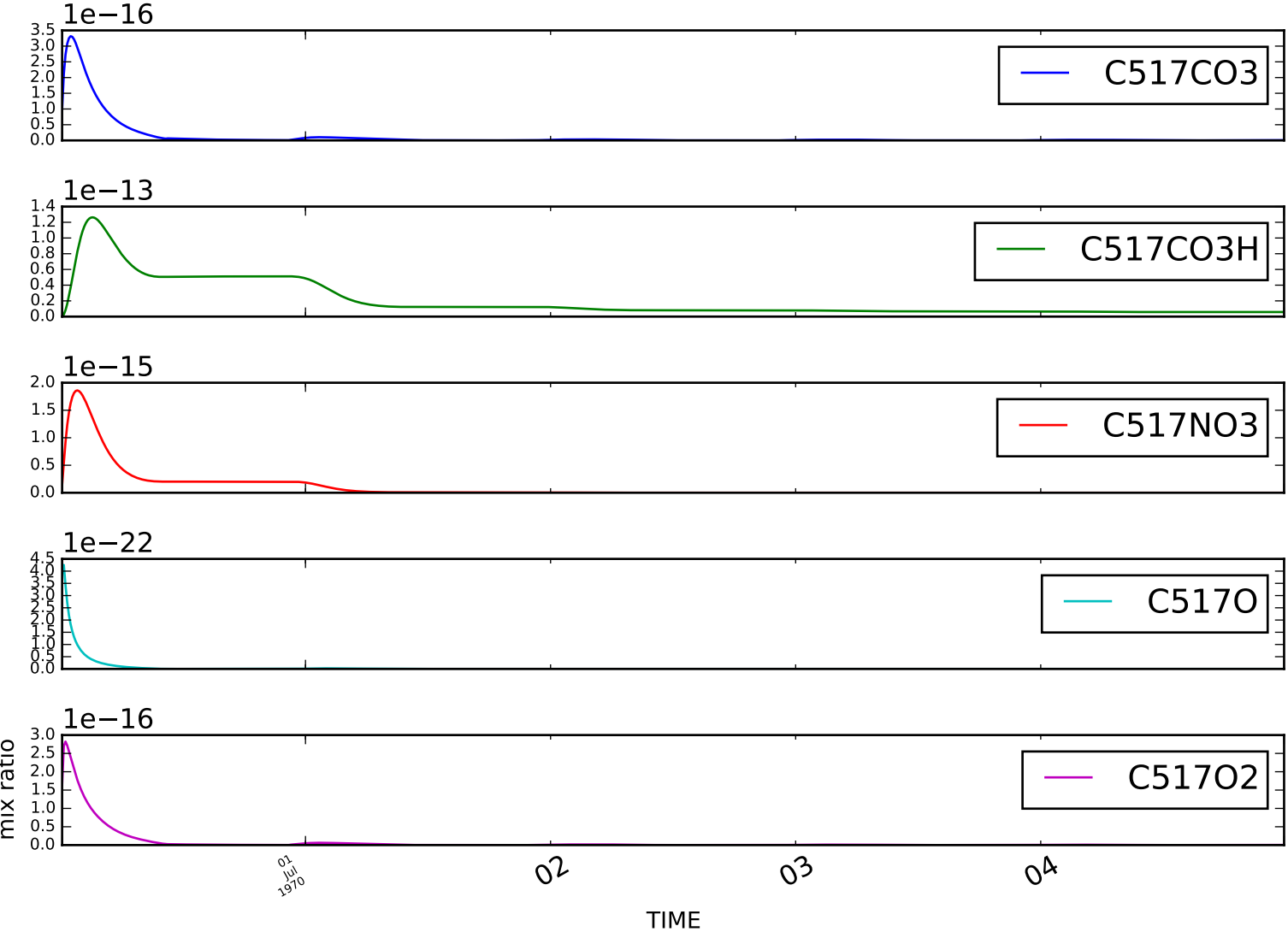

1e−14
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C47CO3H
1e−15
6
5
4
3
2
1
0
C47PAN
1e−23
8
7
6
5
4
3
2
1
0
C4CO2O
1e−16
6
5
4
3
2
1
0
C4CO2O2
1e−13
8
7
6
5
4
3
2
1
0
C4CO2OOH
mix ratio
01
Jul
1970
02
03
04
TIME

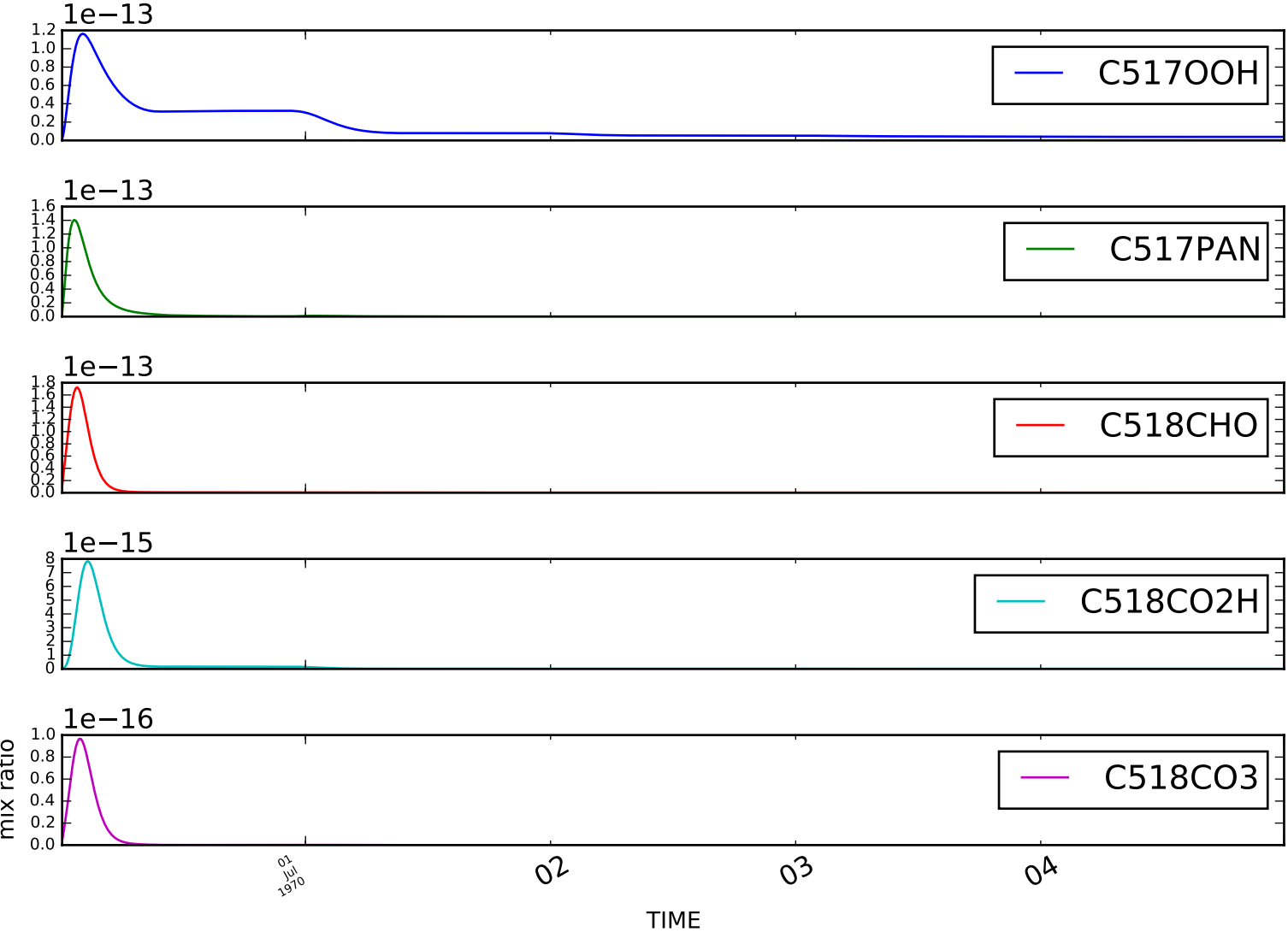

1e−17
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C4M2AL2OH
1e−13
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C4M2ALOHNO3
1e−22
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C4M2ALOHO
1e−14
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C4M2ALOHO2
1e−11
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C4MALOHOOH
mix ratio
01
Jul
1970
02
03
04
TIME

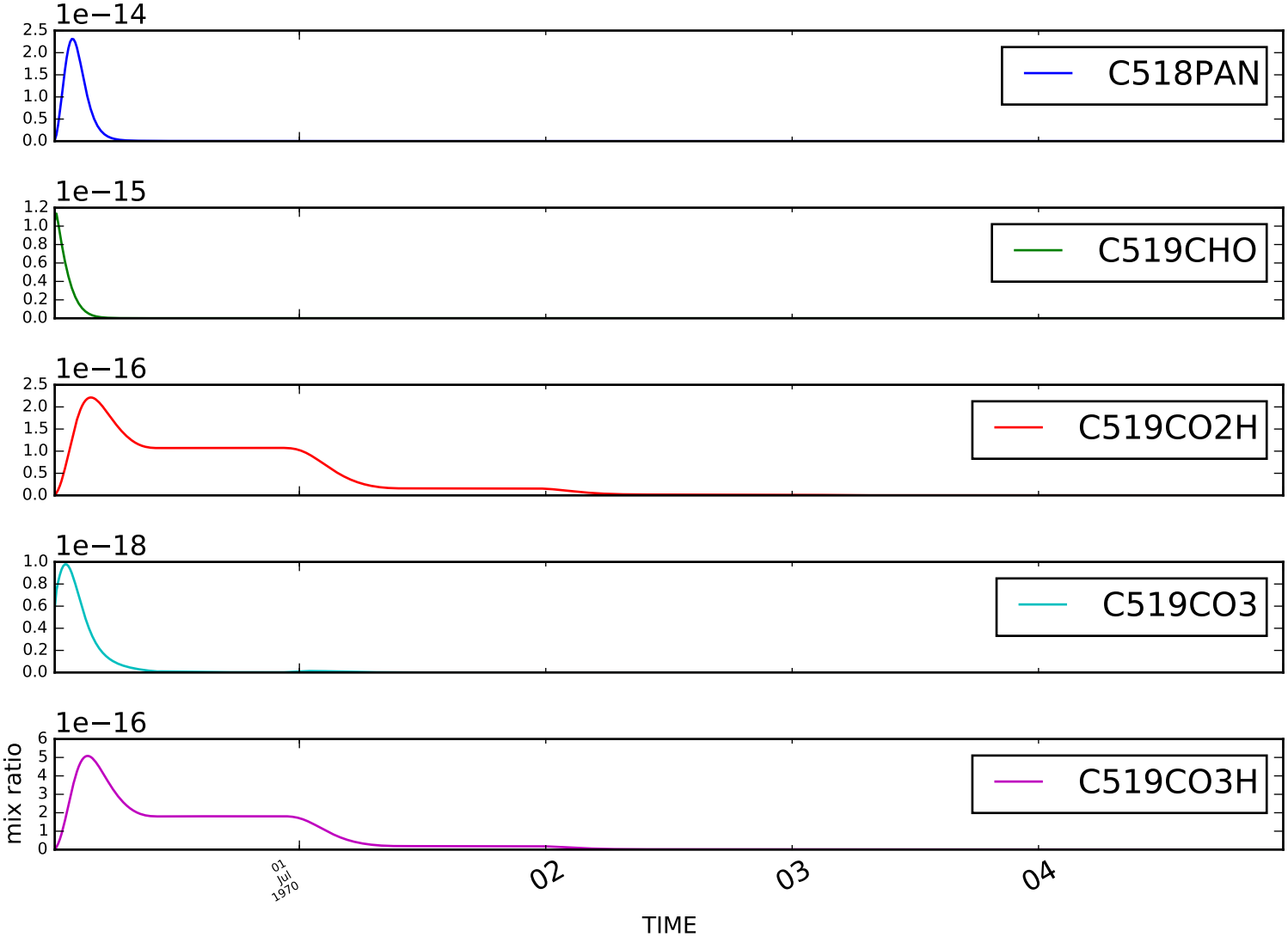

1e−14
C4PAN1
1e−14
C4PAN10
1e−20
C4PAN3
1e−13
C4PAN5
1e−11
C4PAN6
mix ratio
01
Jul
1970
02
03
04
TIME

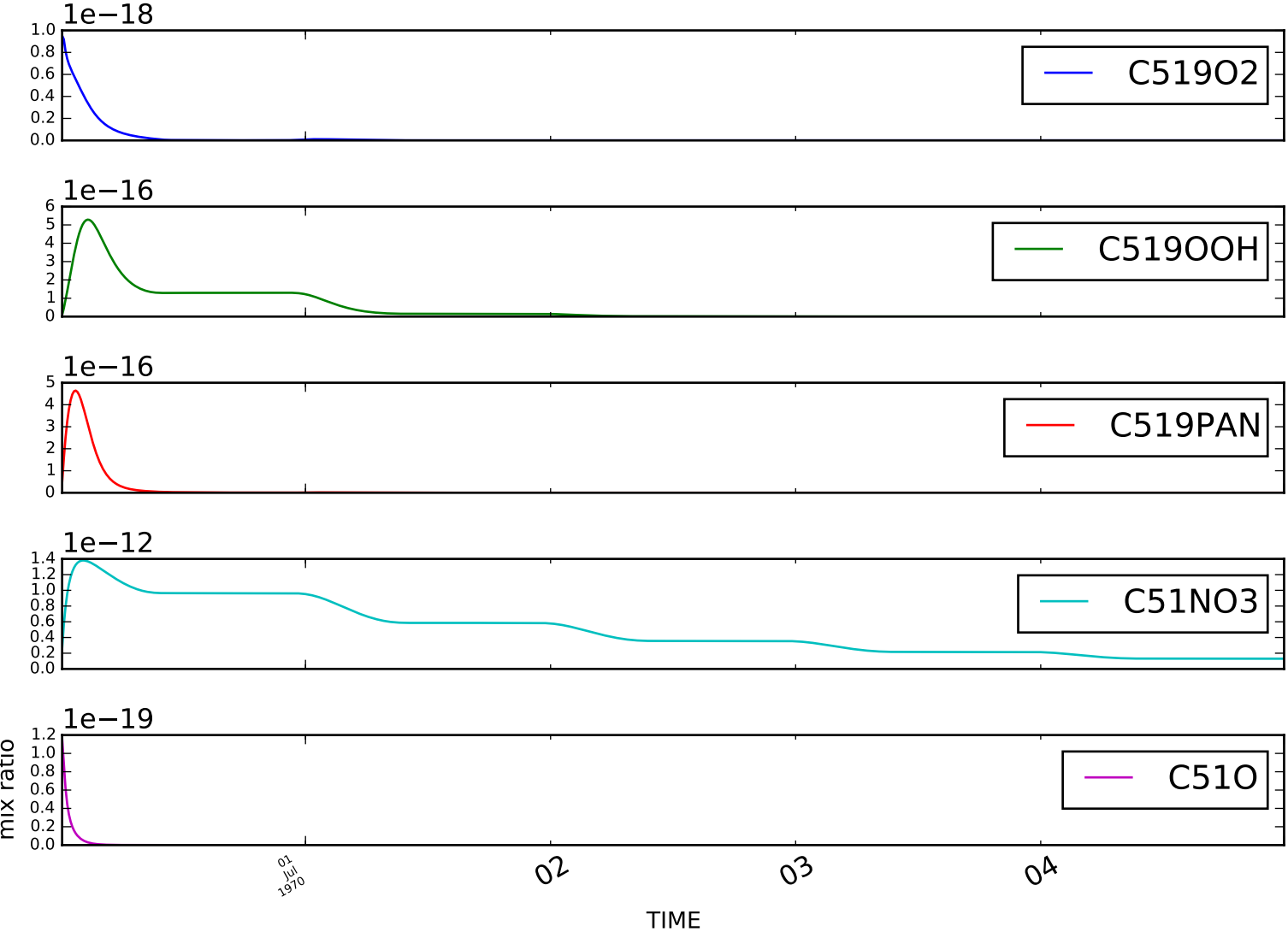

1e−13
C510O2
1e−15
C510OH
1e−11
C510OOH
1e−26
C511CHO
1e−29
C511CO3
mix ratio
01
Jul
1970
02
03
04
TIME

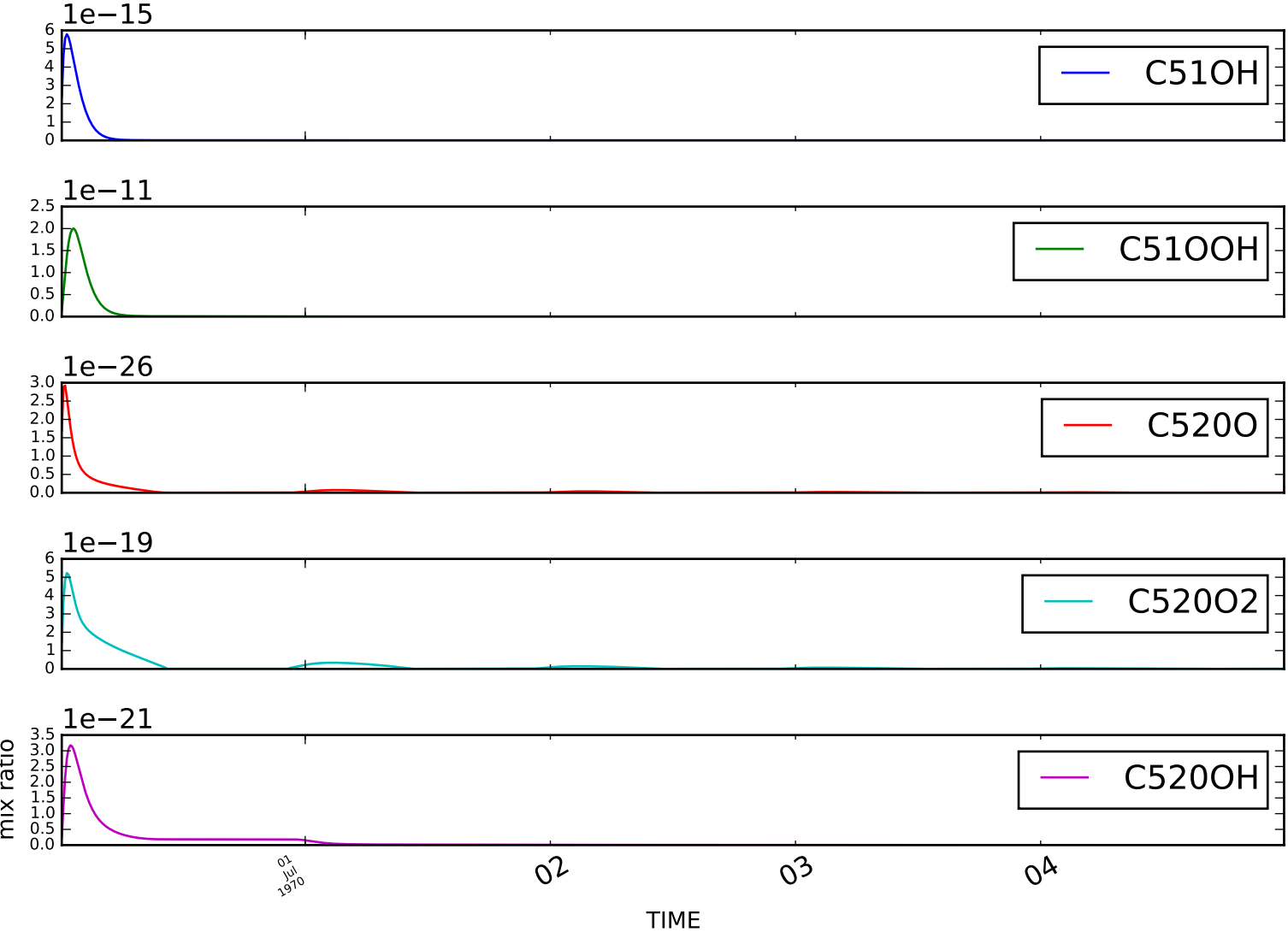

1e−22
C511O
1e−15
C511O2
1e−11
C511OOH
1e−27
C511PAN
1e−13
C517CHO
mix ratio
01
Jul
1970
02
03
04
TIME

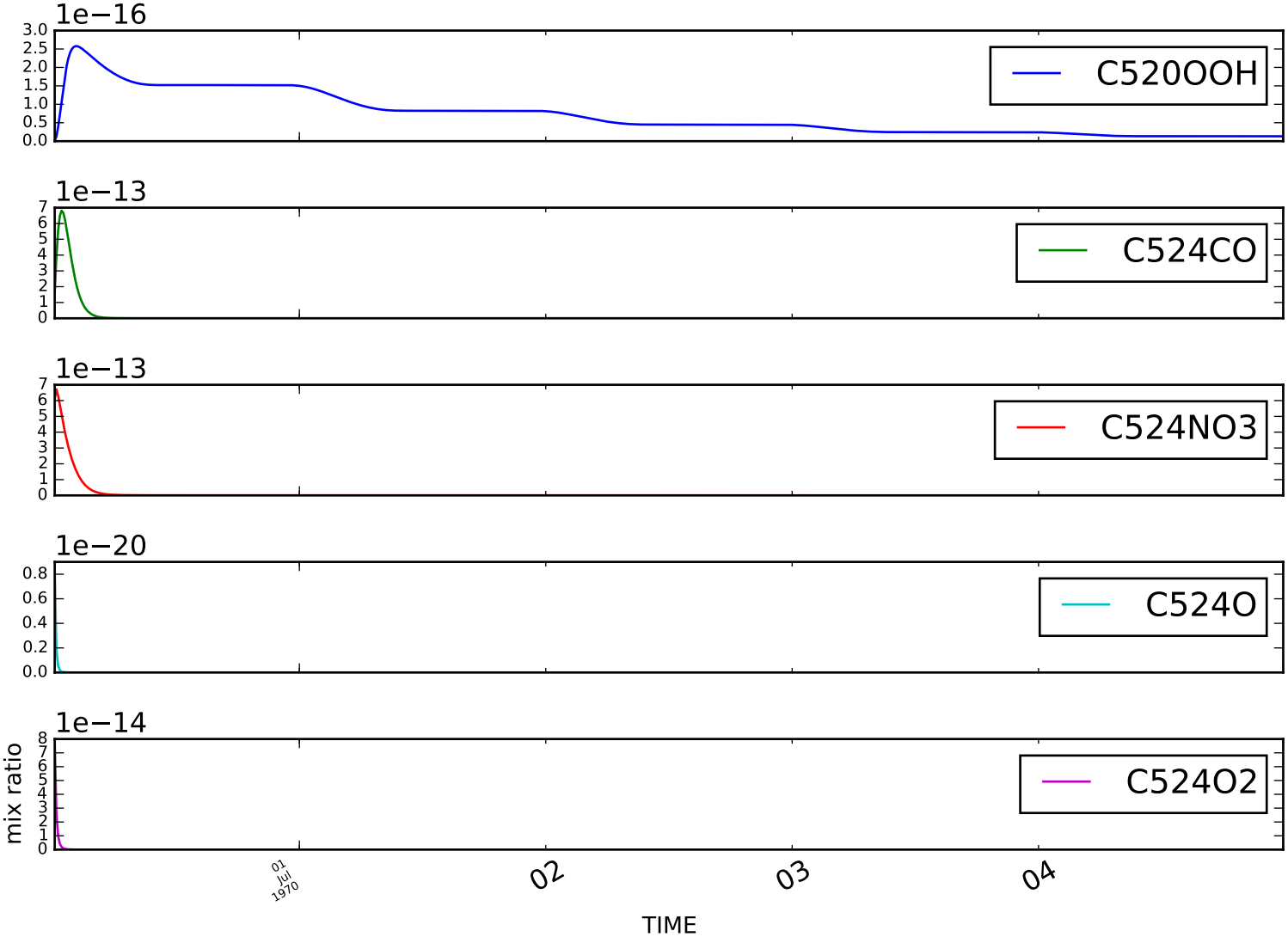

1e−16
C517CO3
1e−13
C517CO3H
1e−15
C517NO3
1e−22
C517O
1e−16
C517O2
mix ratio
01
Jul
1970
02
03
04
TIME

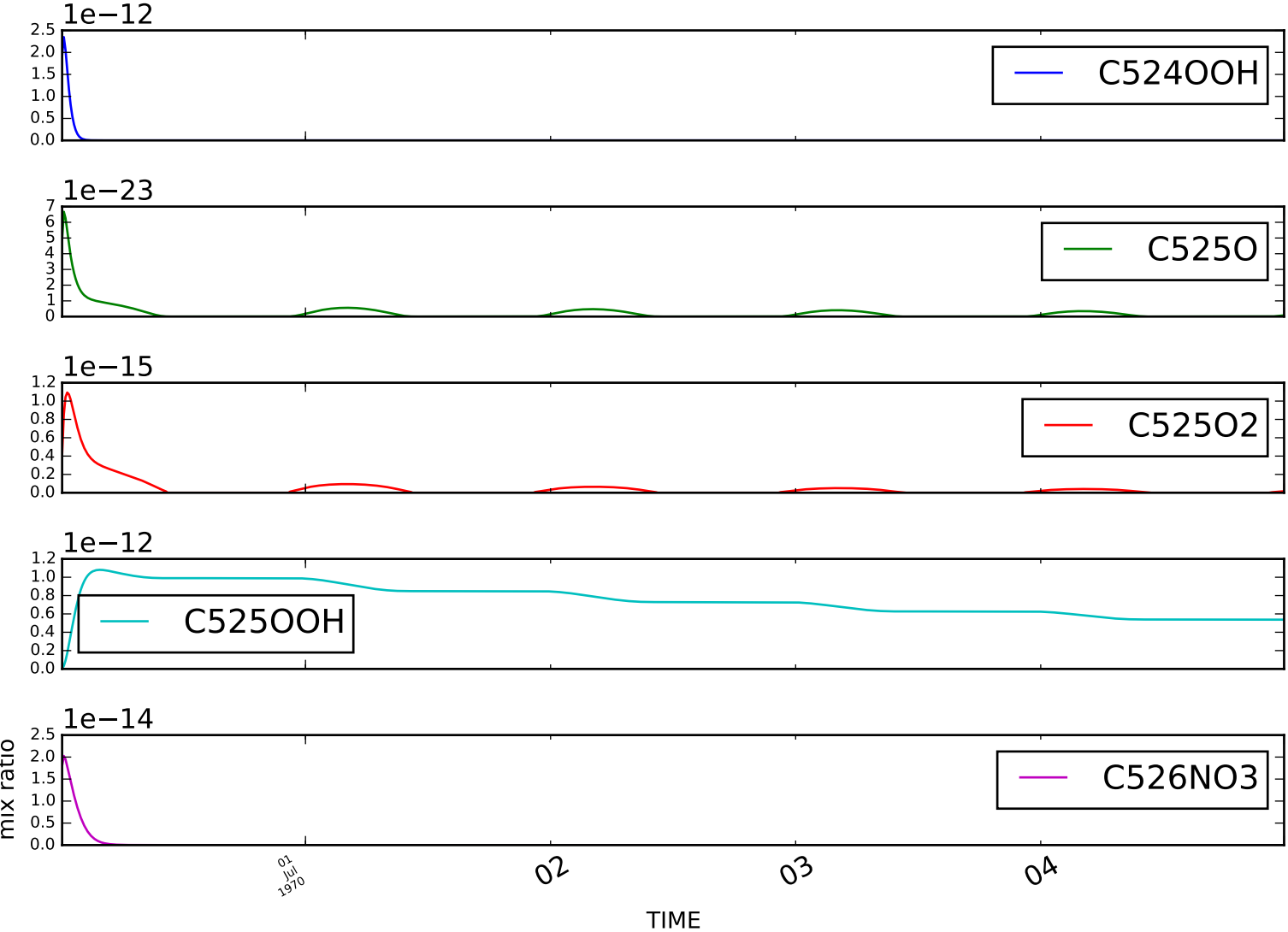

1e−13
C517OOH
1e−13
C517PAN
1e−13
C518CHO
1e−15
C518CO2H
1e−16
C518CO3
mix ratio
01
Jul
1970
02
03
04
TIME

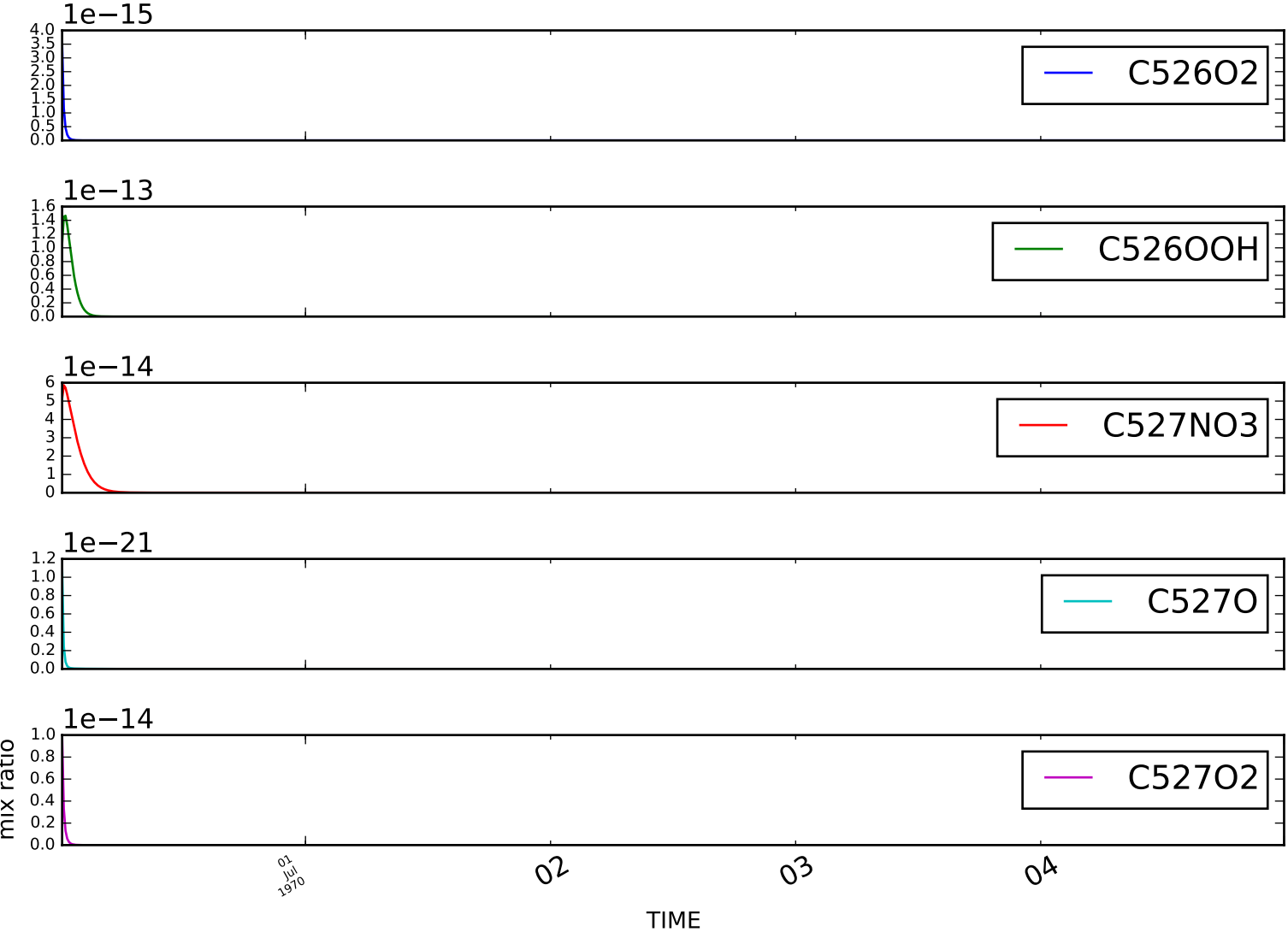

1e−14
2.5
2.0
1.5
1.0
0.5
0.0
C518PAN
1e−15
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C519CHO
1e−16
2.5
2.0
1.5
1.0
0.5
0.0
C519CO2H
1e−18
1.0
0.8
0.6
0.4
0.2
0.0
C519CO3
1e−16
6
5
4
3
2
1
0
C519CO3H
mix ratio
01
Jul
1970
02
03
04
TIME


1e−18
1.0
0.8
0.6
0.4
0.2
0.0
C519O2
1e−16
6
5
4
3
2
1
0
C519OOH
1e−16
5
4
3
2
1
0
C519PAN
1e−12
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C51NO3
1e−19
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C51O
mix ratio
01
Jul
1970
02
03
04
TIME


1e−15
C51OH
1e−11
C51OOH
1e−26
C520O
1e−19
C520O2
1e−21
C520OH
mix ratio
01
Jul
1970
02
03
04
TIME


1e−16
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C520OOH
1e−13
7
6
5
4
3
2
1
0
C524CO
1e−13
7
6
5
4
3
2
1
0
C524NO3
1e−20
0.8
0.6
0.4
0.2
0.0
C524O
1e−14
8
7
6
5
4
3
2
1
0
C524O2
mix ratio
01
Jul
1970
02
03
04
TIME


1e−12
C524OOH
1e−23
C525O
1e−15
C525O2
1e−12
C525OOH
1e−14
C526NO3
mix ratio
01
Jul
1970
02
03
04
TIME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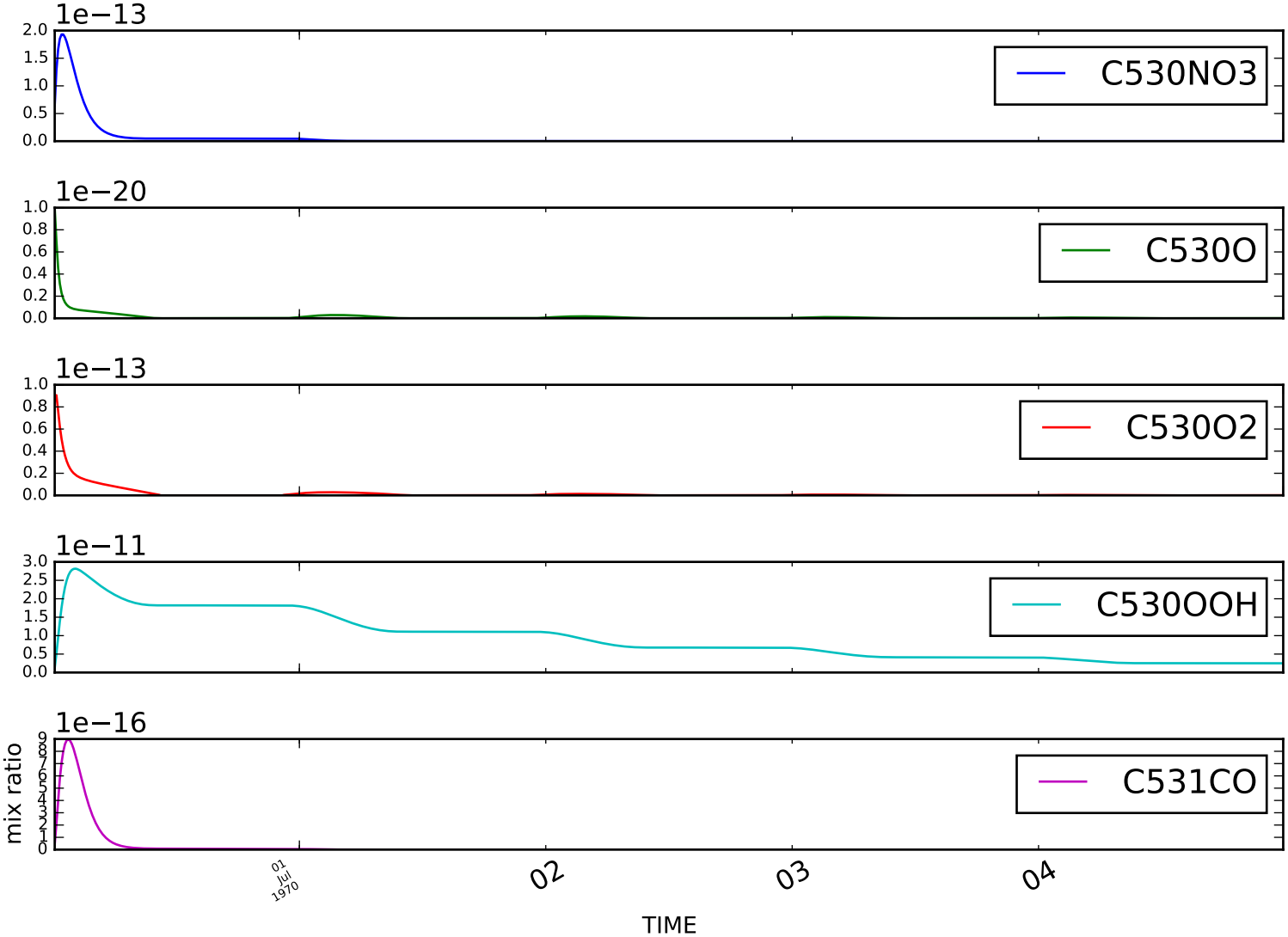
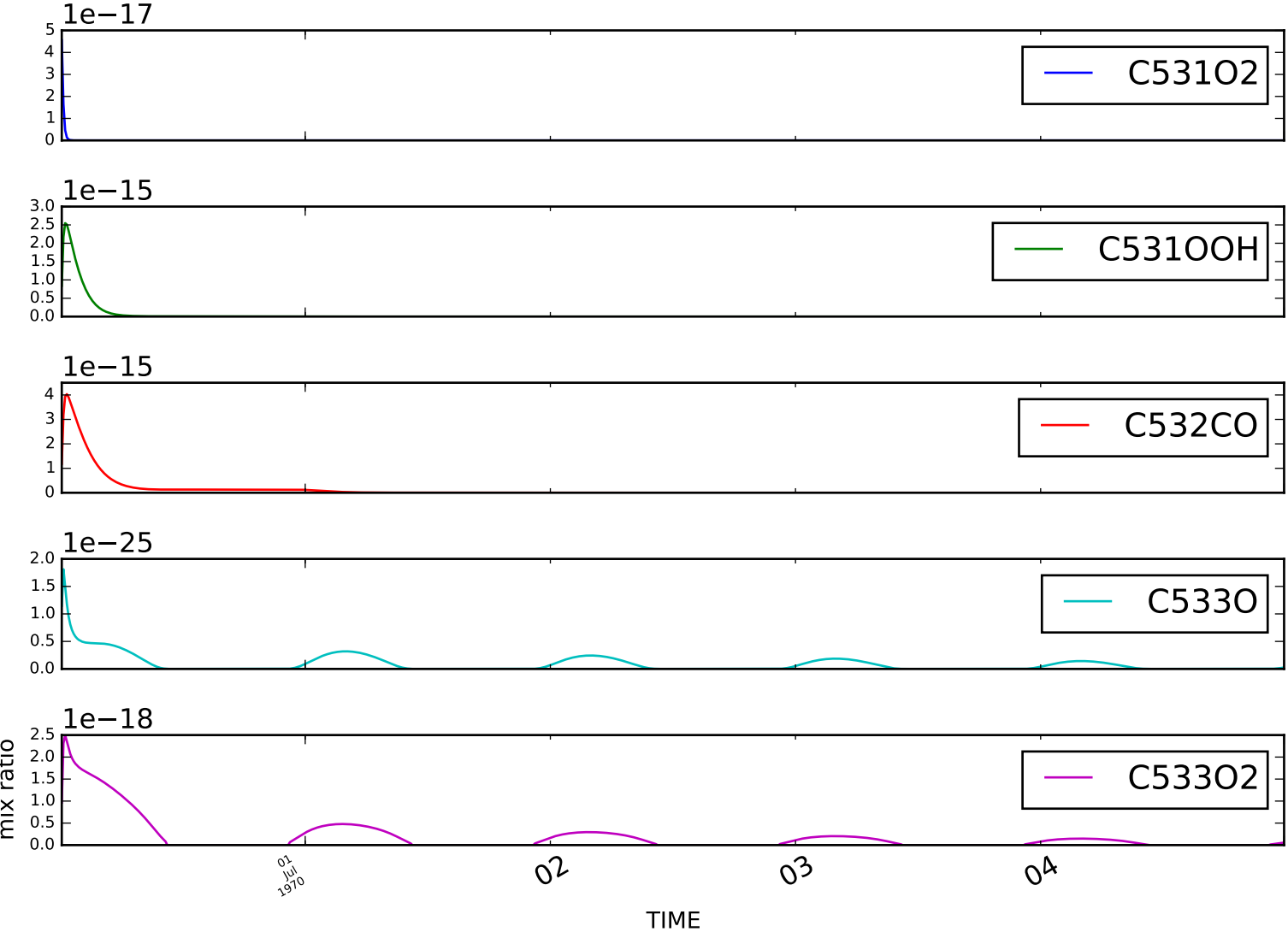
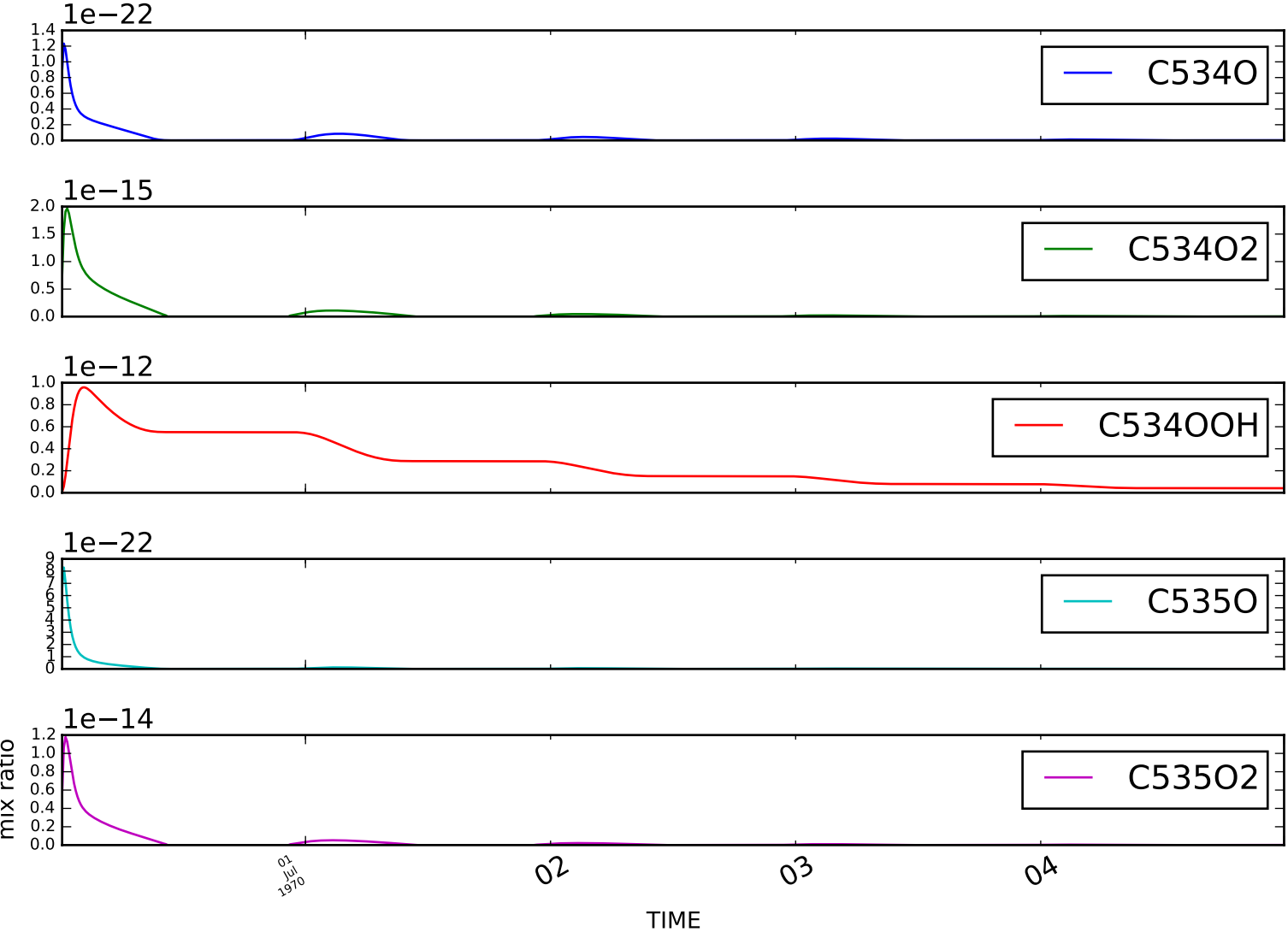
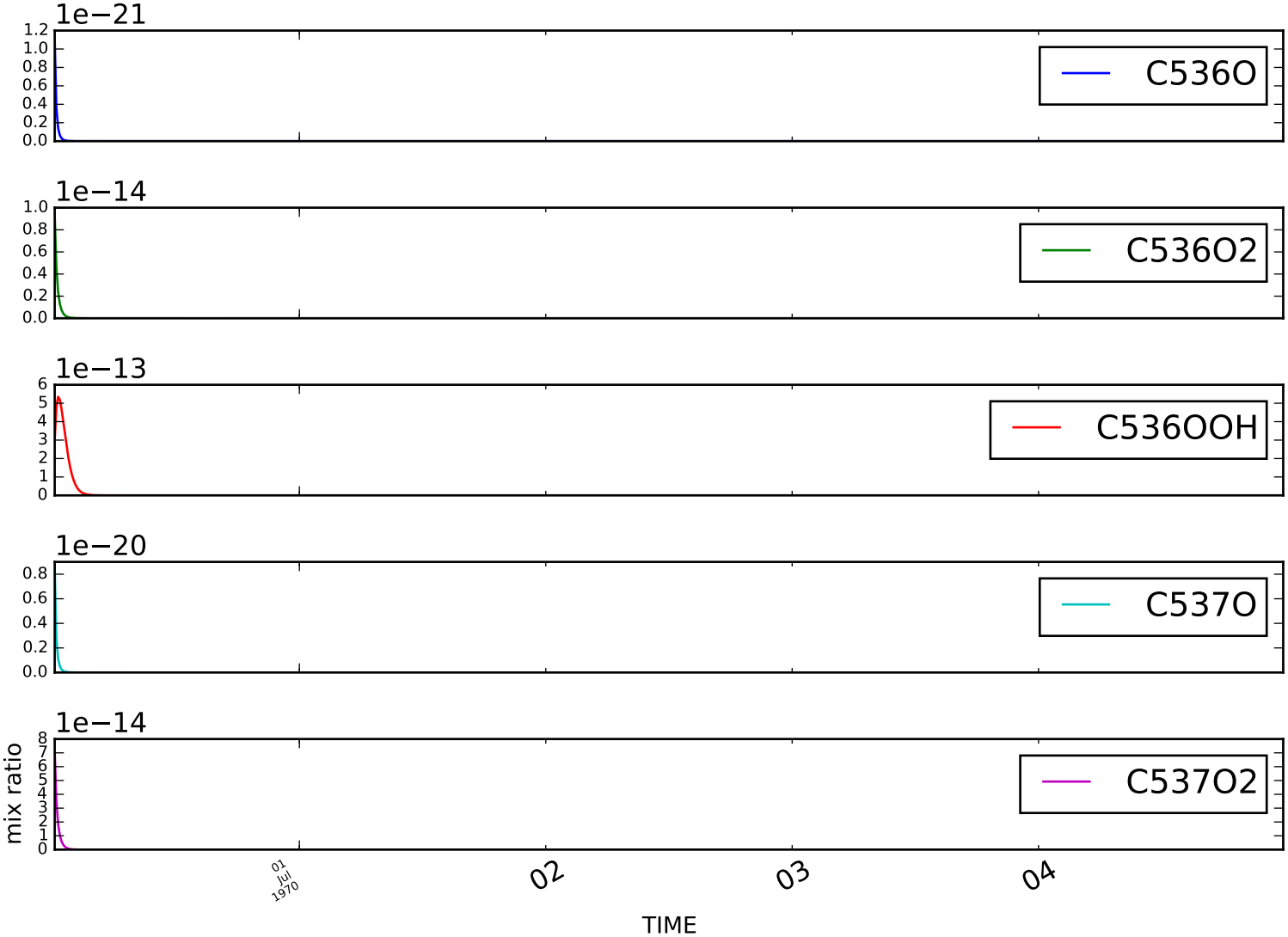
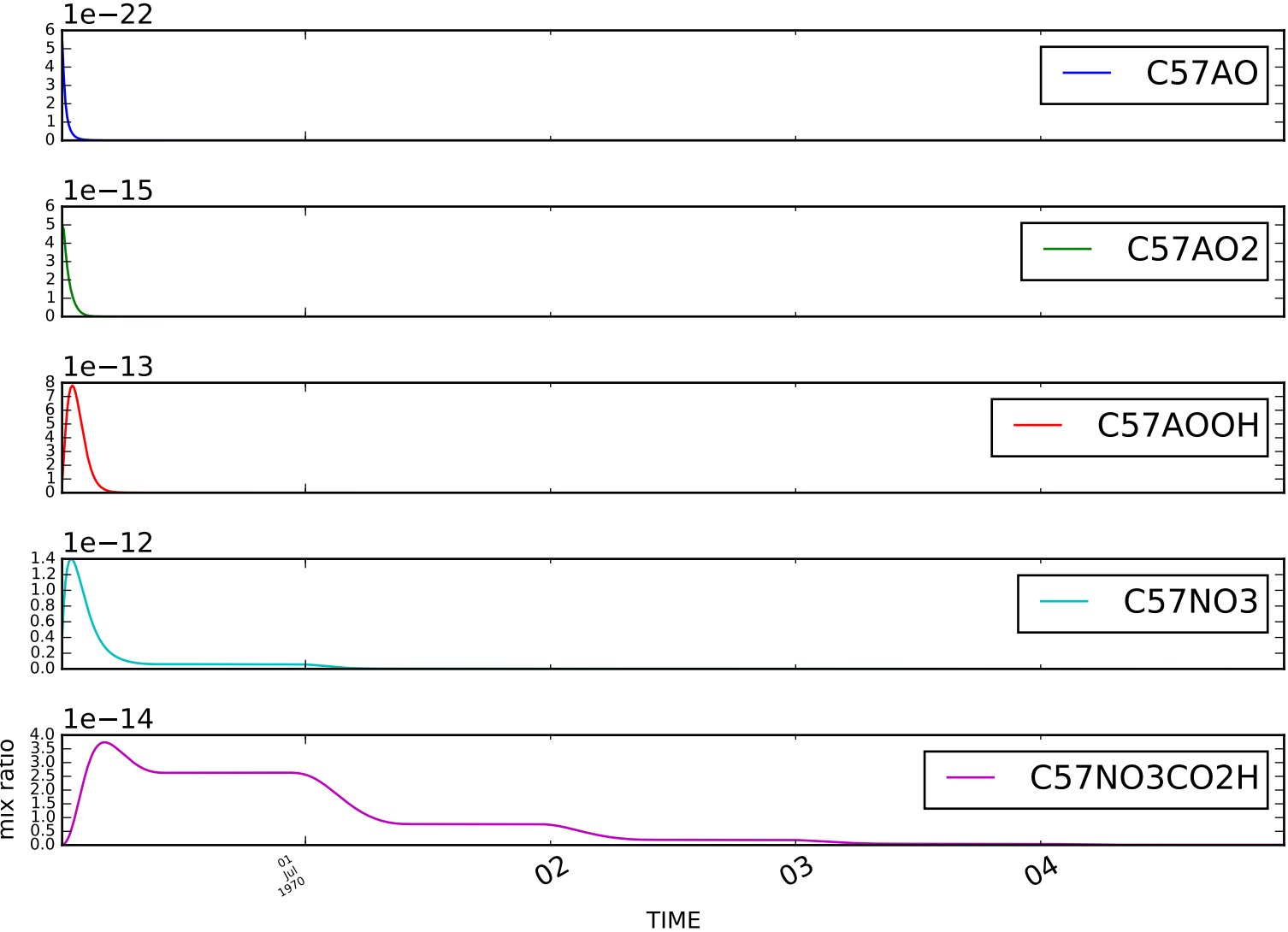
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C526O2
1e−13
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C526OOH
1e−14
6
5
4
3
2
1
0
C527NO3
1e−21
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C527O
1e−14
1.0
0.8
0.6
0.4
0.2
0.0
C527O2
mix ratio
01
Jul
1970
02
03
04
TIME

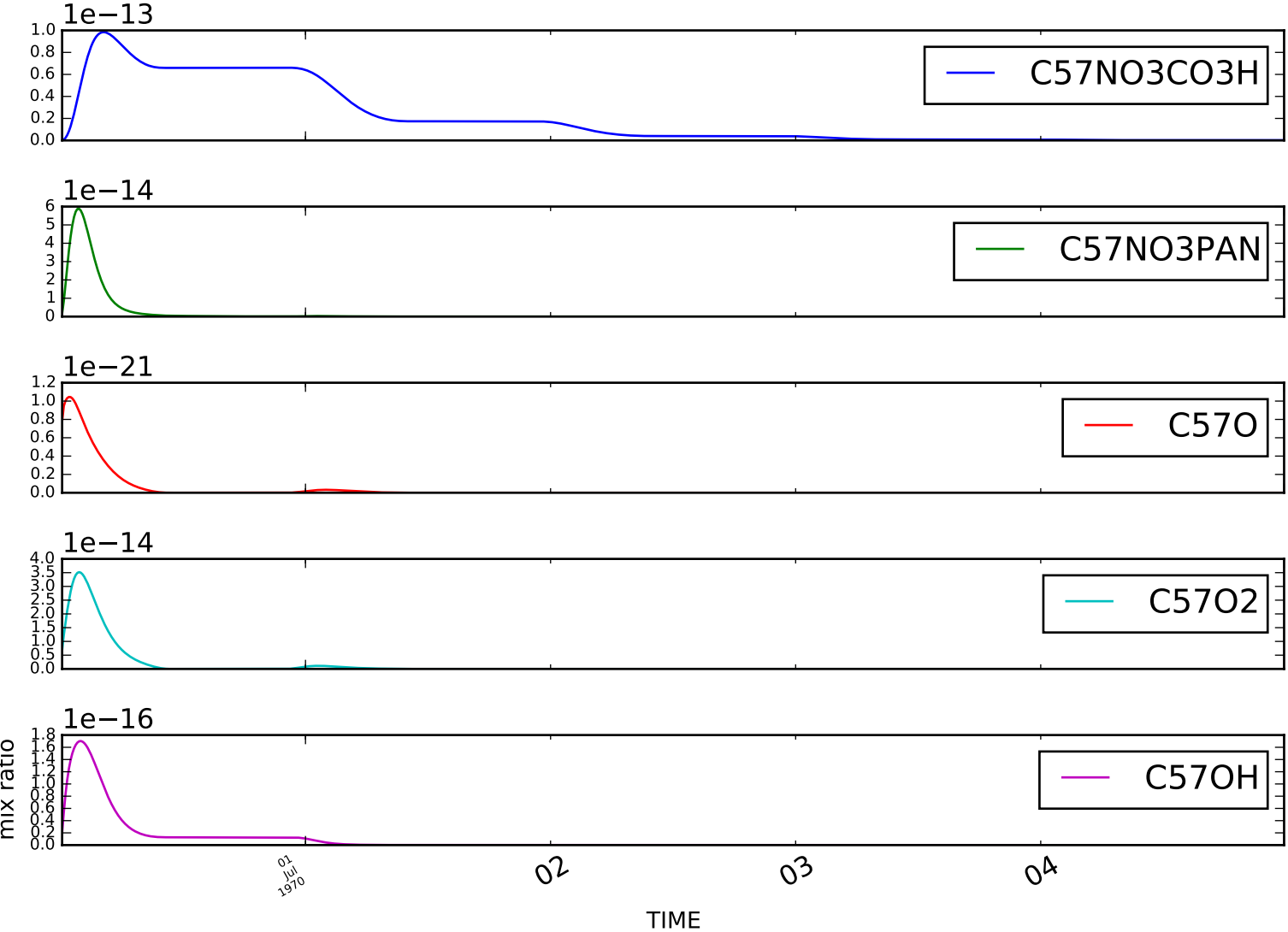

1e−13
2.0
1.5
1.0
0.5
0.0
C530NO3
1e−20
1.0
0.8
0.6
0.4
0.2
0.0
C530O
1e−13
1.0
0.8
0.6
0.4
0.2
0.0
C530O2
1e−11
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C530OOH
1e−16
9
8
7
6
5
4
3
2
1
0
mix ratio
C531CO
01
Jul
1970
02
03
04
TIME

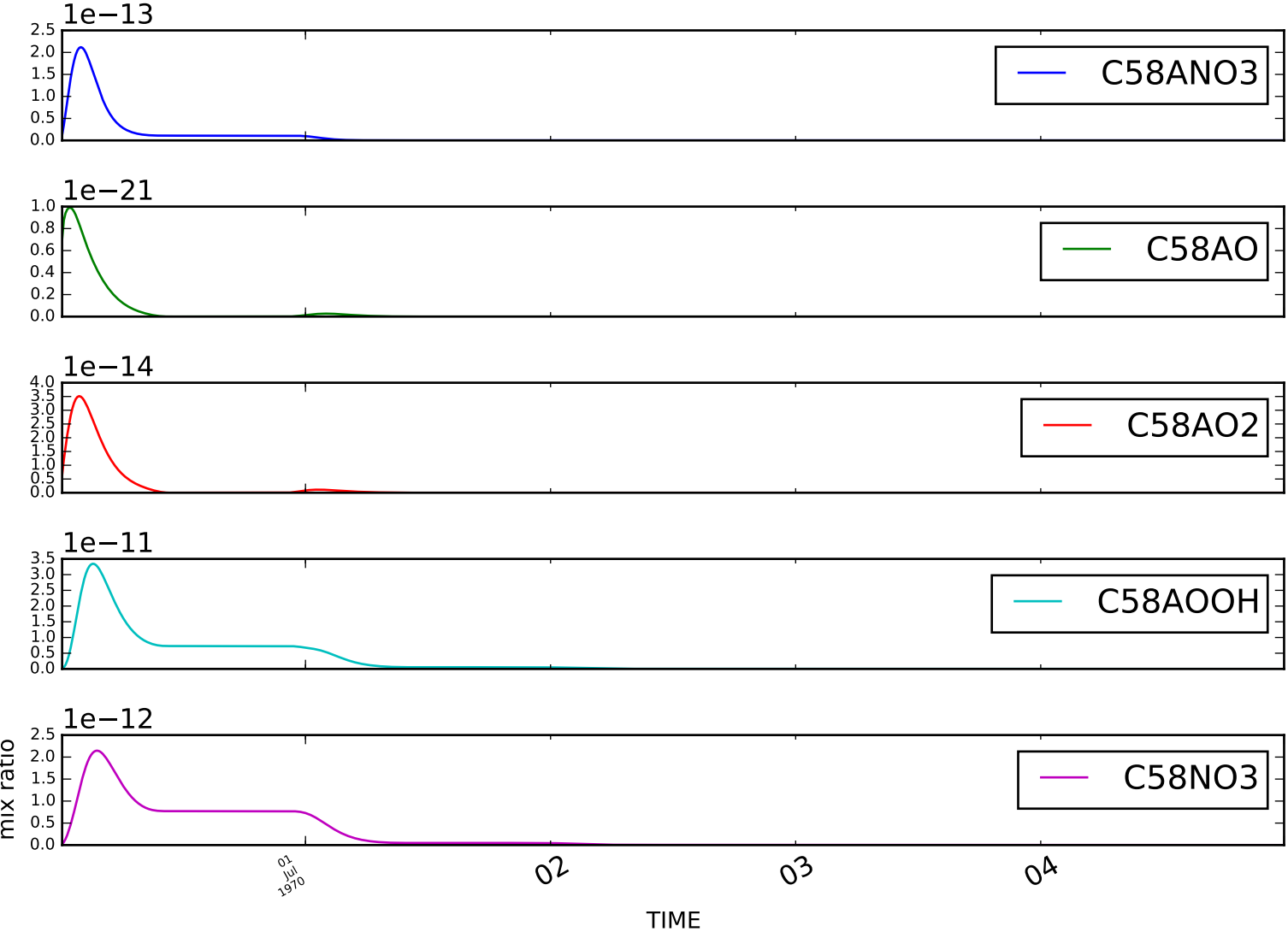

1e−17
C531O2
1e−15
C531OOH
1e−15
C532CO
1e−25
C533O
1e−18
C533O2
mix ratio
01
Jul
1970
02
03
04
TIME

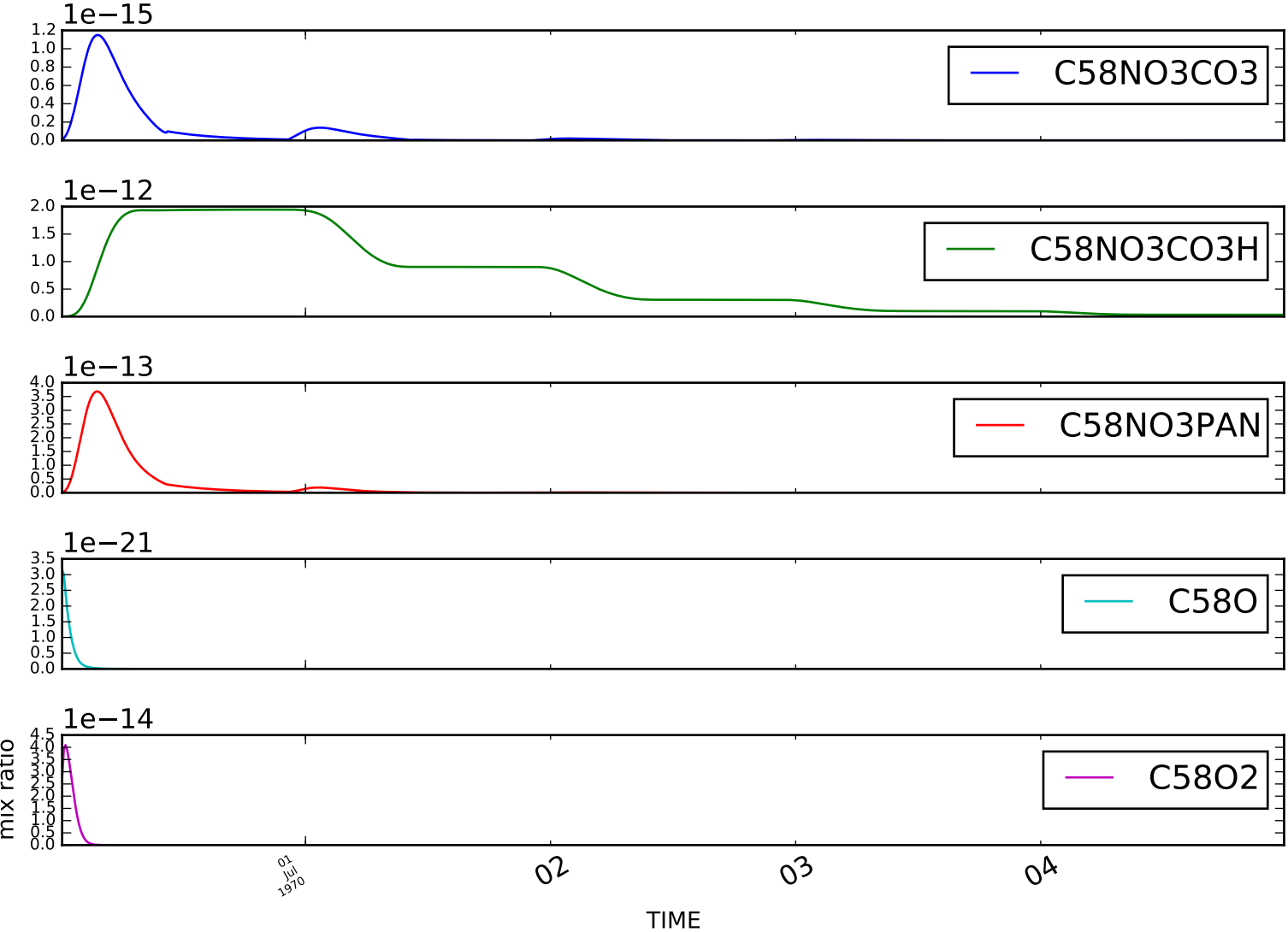

1e−22
C534O
1e−15
C534O2
1e−12
C534OOH
1e−22
C535O
1e−14
C535O2
mix ratio
01
Jul
1970
02
03
04
TIME

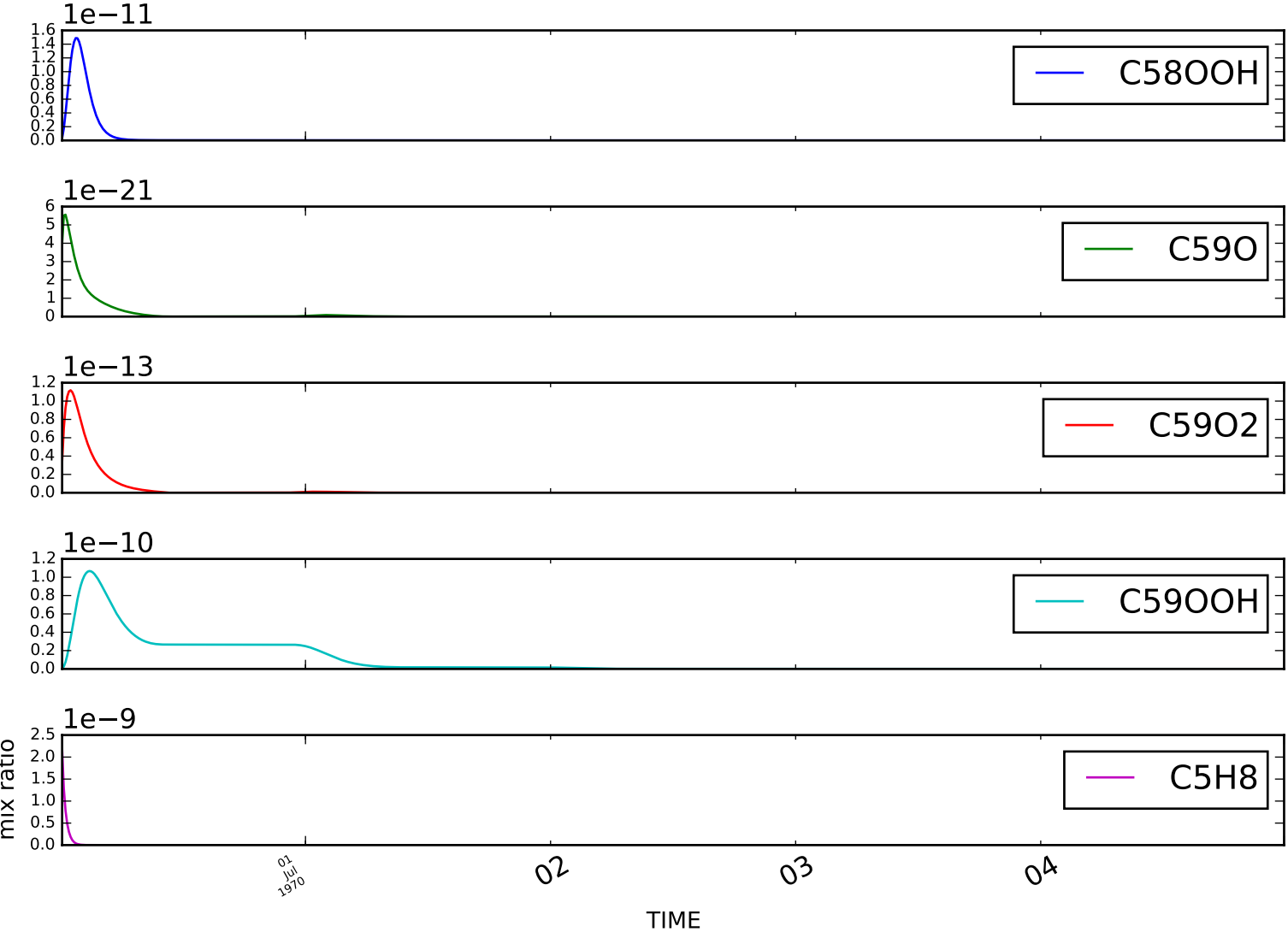

1e−21
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C536O
1e−14
1.0
0.8
0.6
0.4
0.2
0.0
C536O2
1e−13
6
5
4
3
2
1
0
C536OOH
1e−20
0.8
0.6
0.4
0.2
0.0
C537O
1e−14
8
7
6
5
4
3
2
1
0
C537O2
mix ratio
01
Jul
1970
02
03
04
TIME

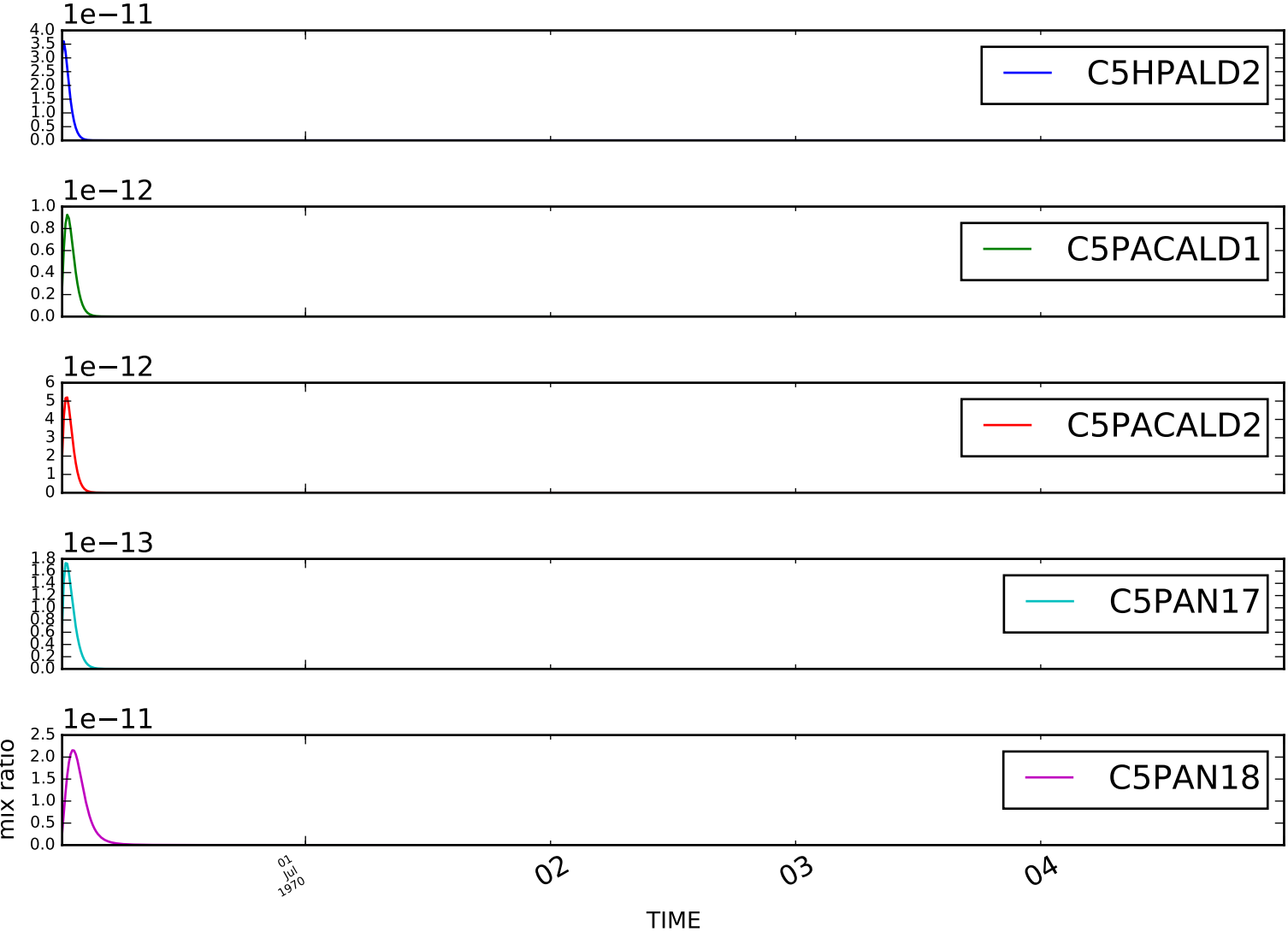

1e−22
C57AO
1e−15
C57AO2
1e−13
C57AOOH
1e−12
C57NO3
1e−14
C57NO3CO2H
mix ratio
01
Jul
1970
02
03
04
TIME

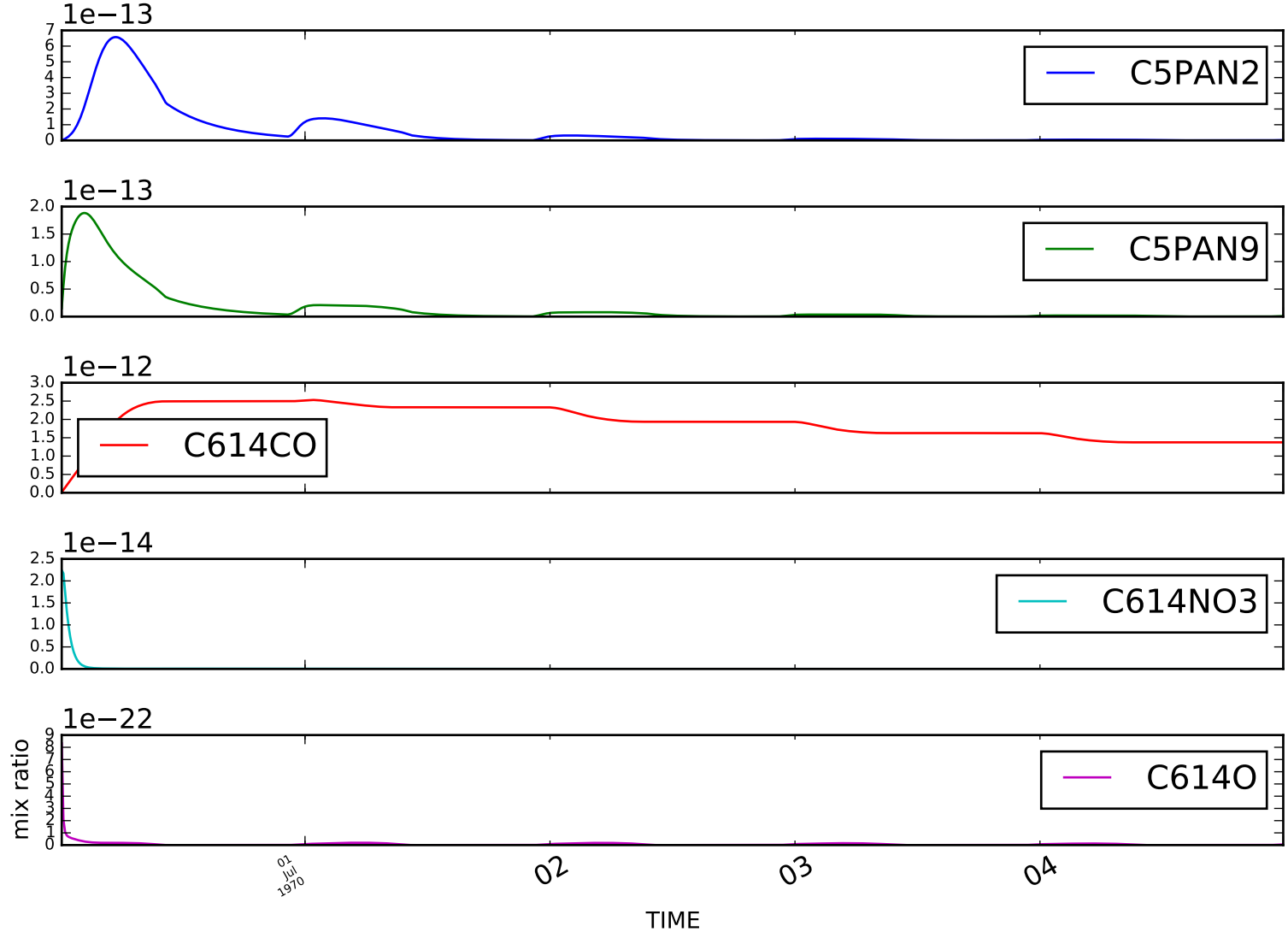

1e−13
1.0
0.8
0.6
0.4
0.2
0.0
C57NO3CO3H
1e−14
6
5
4
3
2
1
0
C57NO3PAN
1e−21
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C57O
1e−14
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C57O2
1e−16
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C57OH
mix ratio
01
Jul
1970
02
03
04
TIME

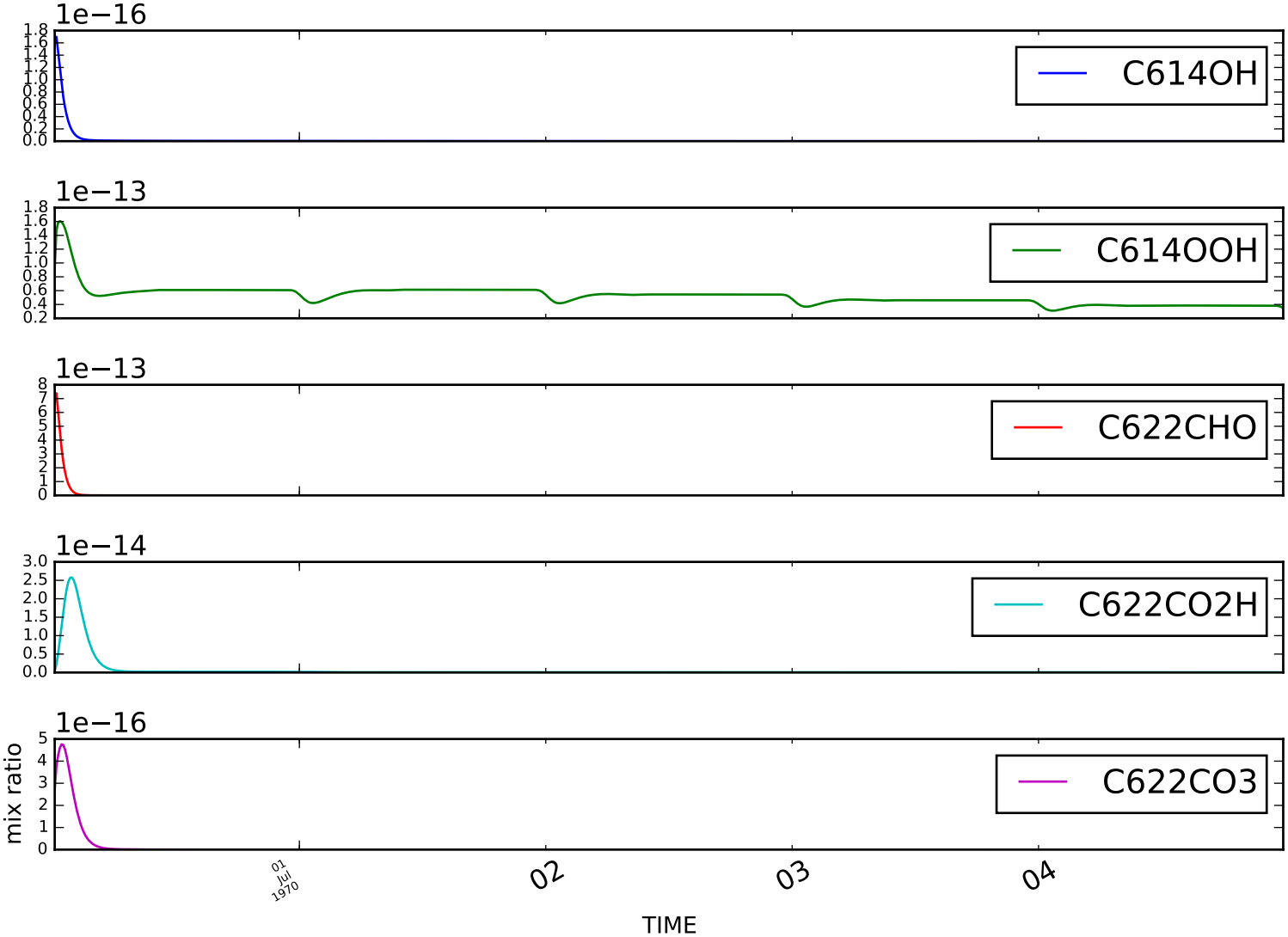

1e−13
C58ANO3
1e−21
C58AO
1e−14
C58AO2
1e−11
C58AOOH
1e−12
C58NO3
mix ratio
01
Jul
1970
02
03
04
TIME

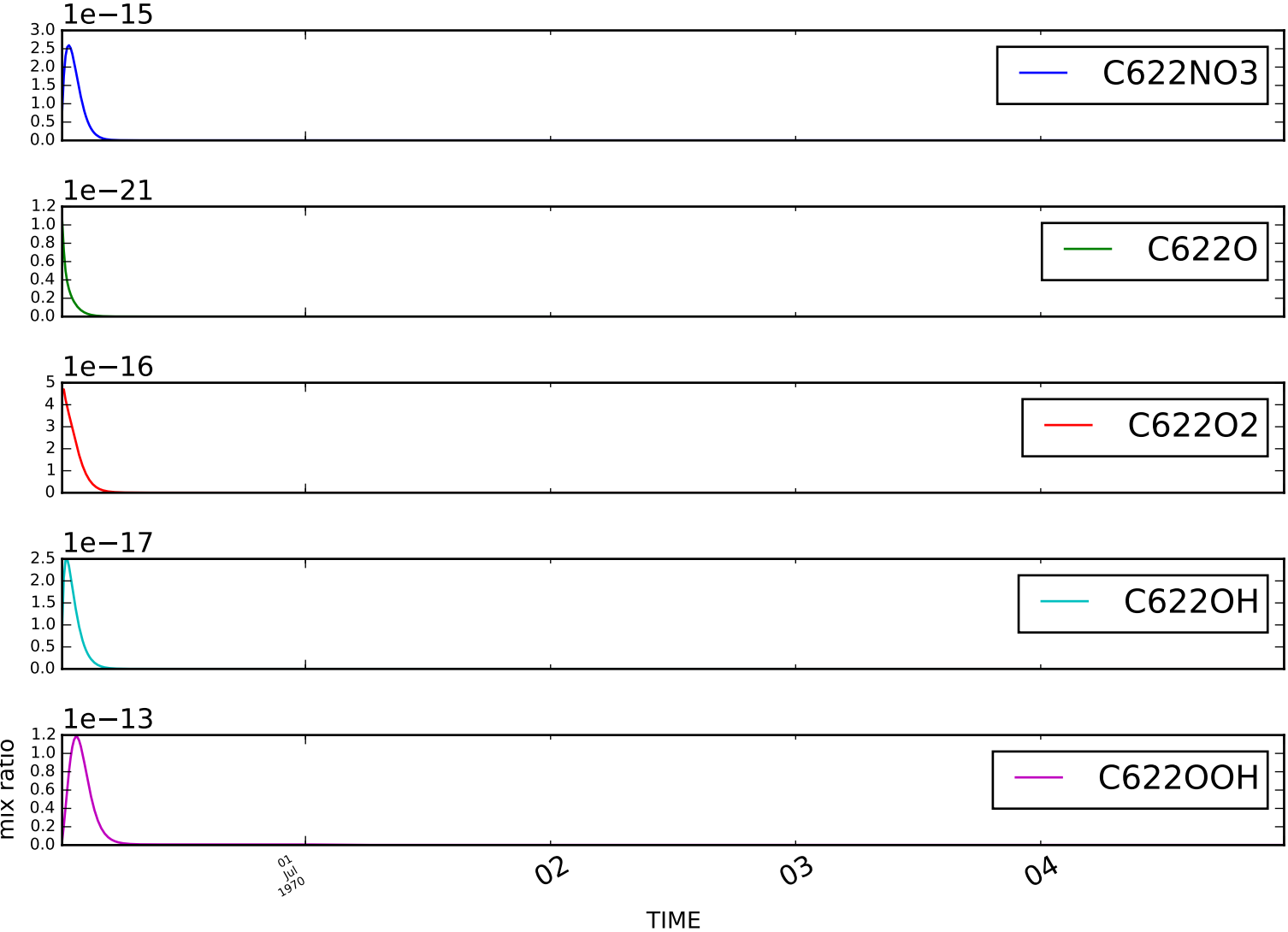

1e−15
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C58NO3CO3
1e−12
2.0
1.5
1.0
0.5
0.0
C58NO3CO3H
1e−13
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C58NO3PAN
1e−21
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C58O
1e−14
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C58O2
mix ratio
01
Jul
1970
02
03
04
TIME

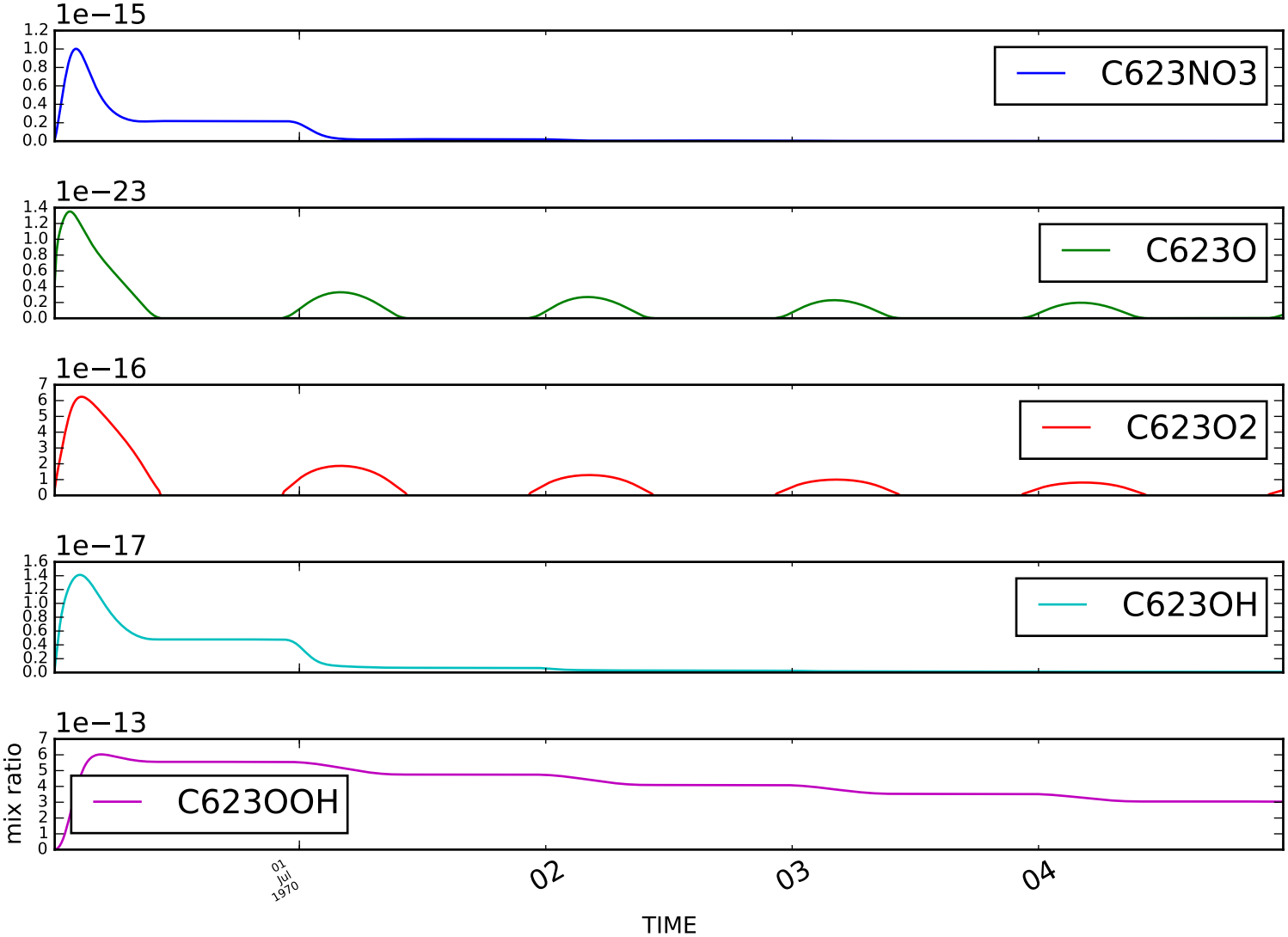

1e−11
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C58OOH
1e−21
6
5
4
3
2
1
0
C59O
1e−13
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C59O2
1e−10
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C59OOH
1e−9
2.5
2.0
1.5
1.0
0.5
0.0
C5H8
mix ratio
01
Jul
1970
02
03
04
TIME

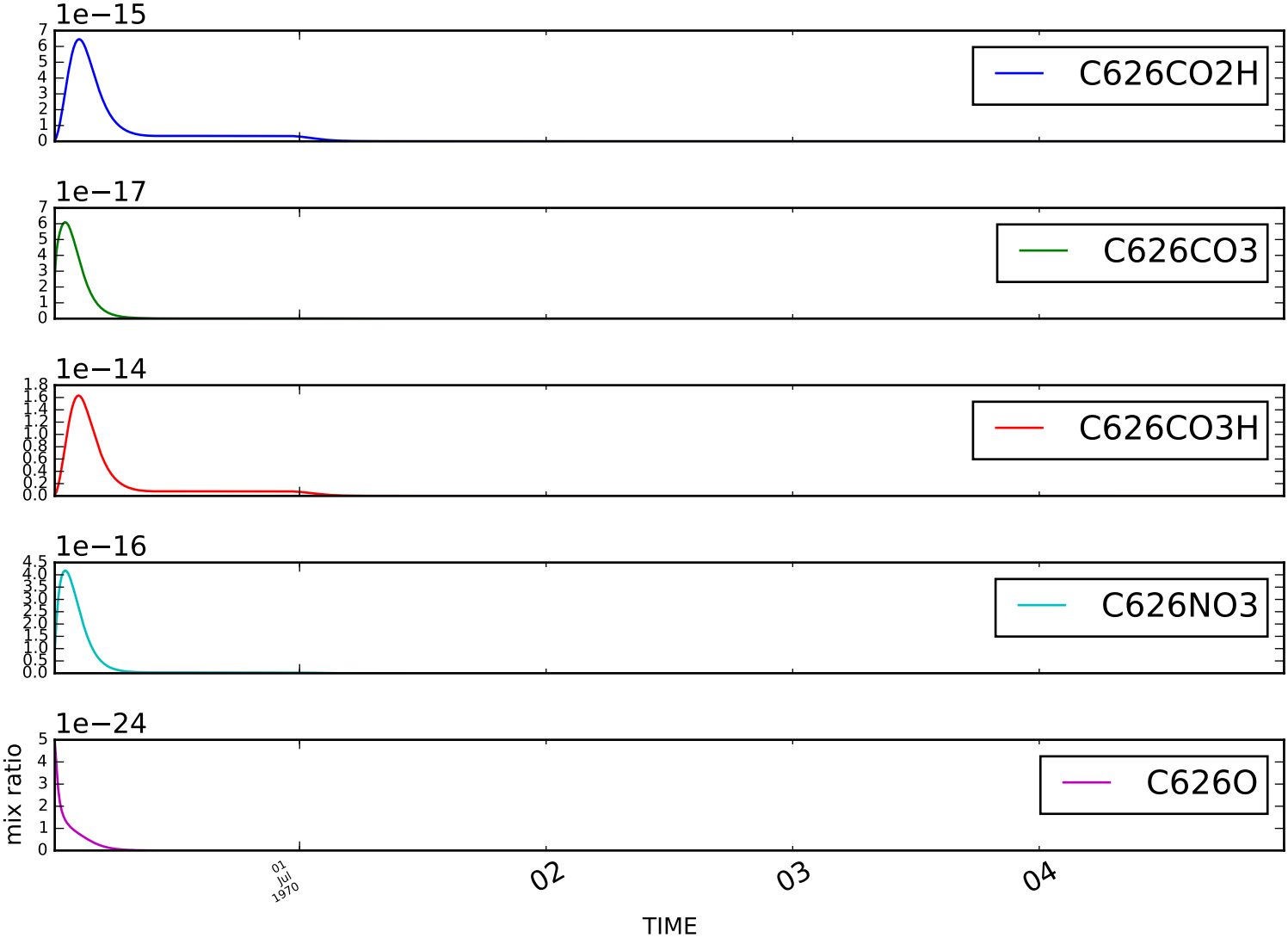

1e−11
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C5HPALD2
1e−12
1.0
0.8
0.6
0.4
0.2
0.0
C5PACALD1
1e−12
6
5
4
3
2
1
0
C5PACALD2
1e−13
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C5PAN17
1e−11
2.5
2.0
1.5
1.0
0.5
0.0
C5PAN18
mix ratio
01
Jul
1970
02
03
04
TIME

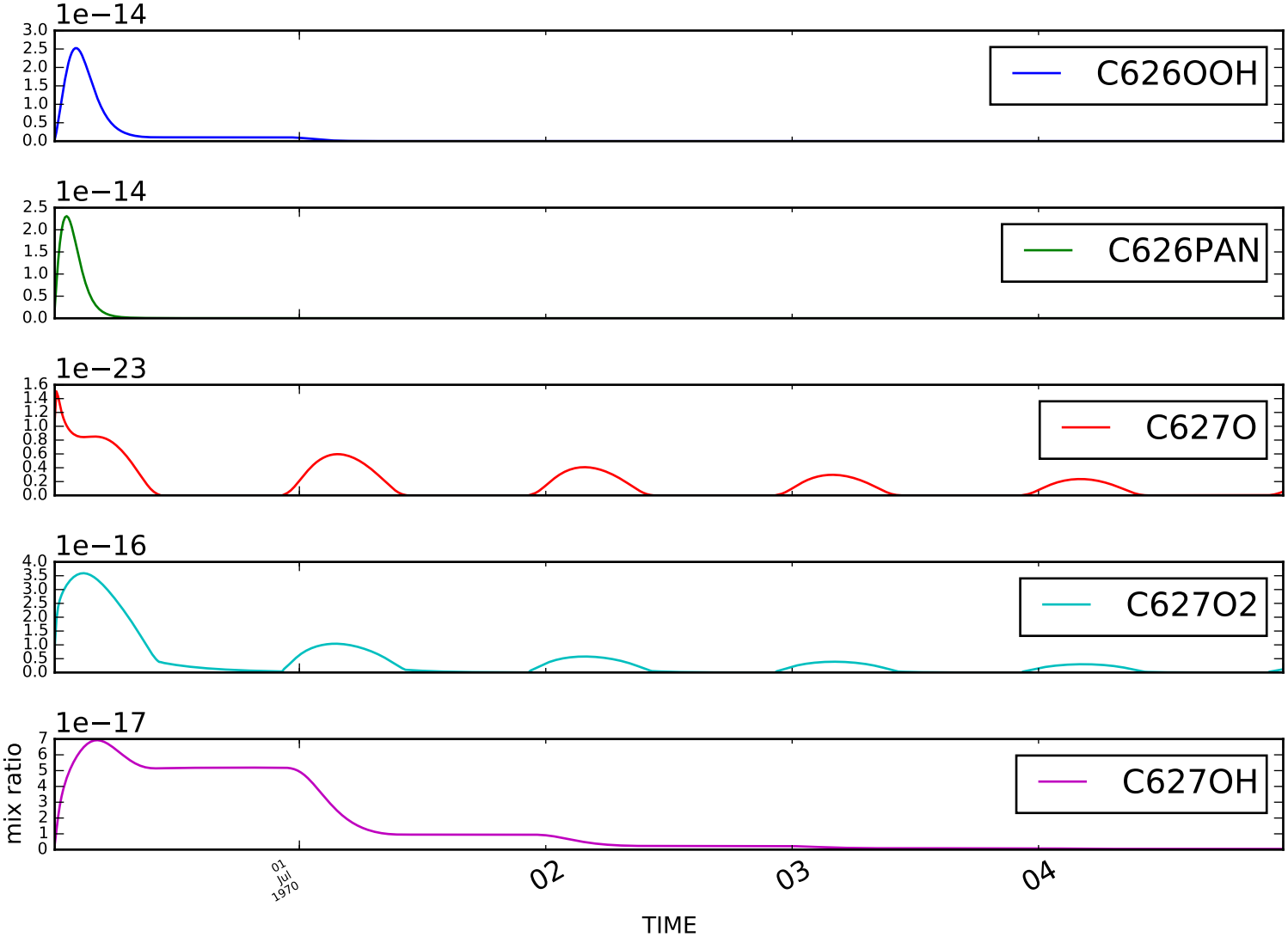

1e−13
C5PAN2
1e−13
C5PAN9
1e−12
C614CO
1e−14
C614NO3
1e−22
C614O
mix ratio
01
Jul
1970
02
03
04
TIME

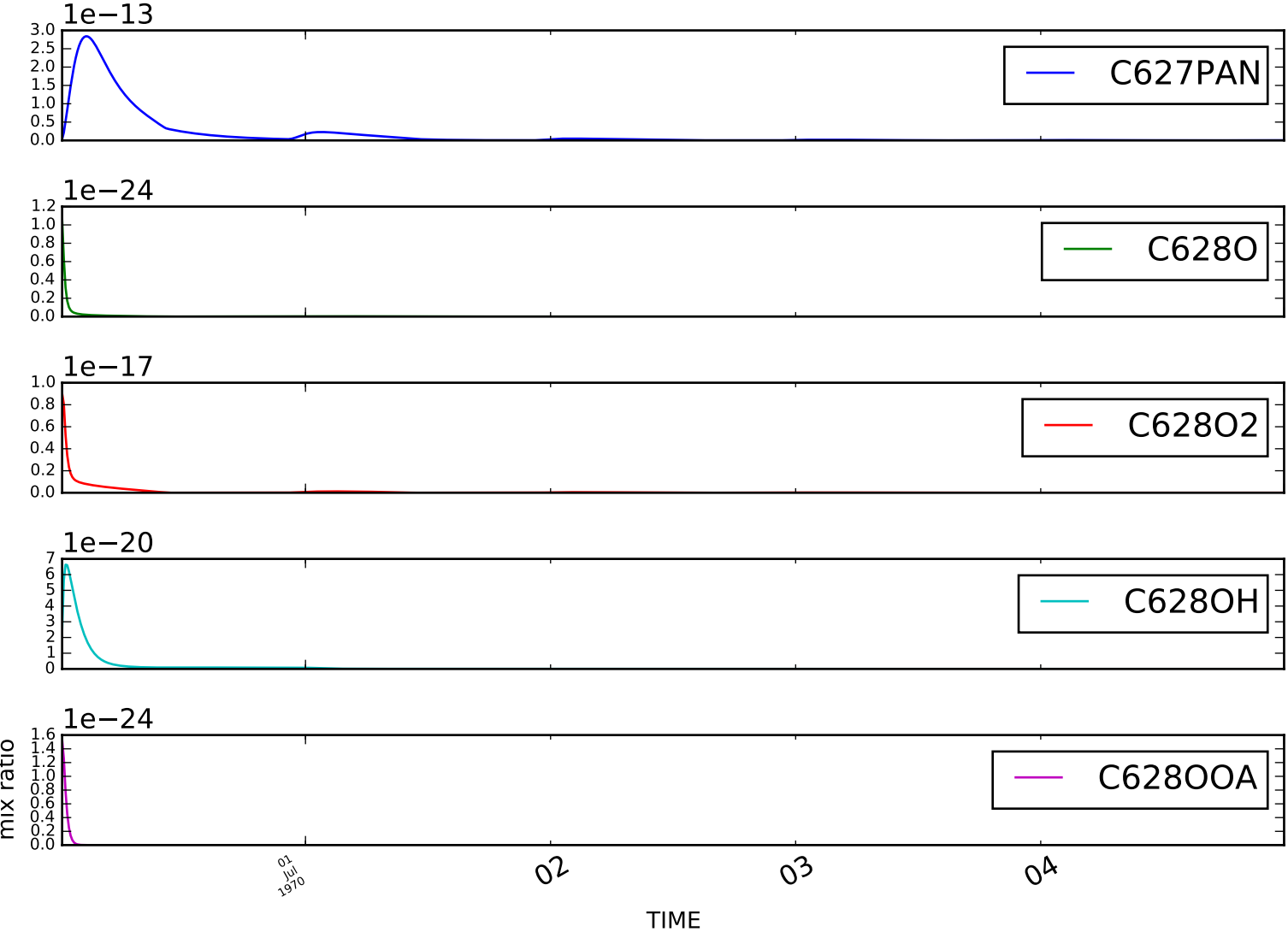

1e−16
C614OH
1e−13
C614OOH
1e−13
C622CHO
1e−14
C622CO2H
1e−16
C622CO3
mix ratio
01
Jul
1970
02
03
04
TIME

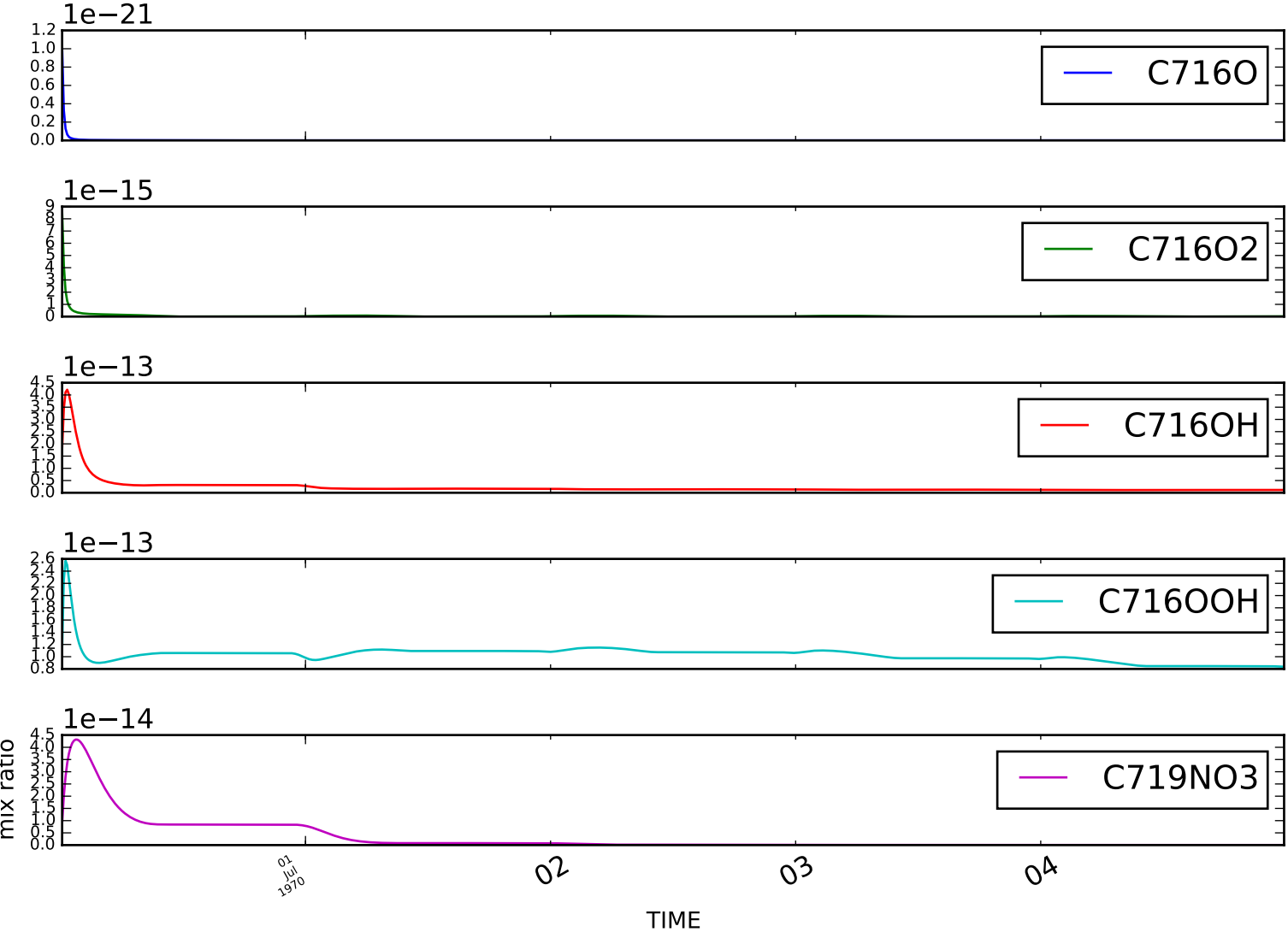

1e−15
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C622NO3
1e−21
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C622O
1e−16
5
4
3
2
1
0
C622O2
1e−17
2.5
2.0
1.5
1.0
0.5
0.0
C622OH
1e−13
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C622OOH
mix ratio
01
Jul
1970
02
03
04
TIME

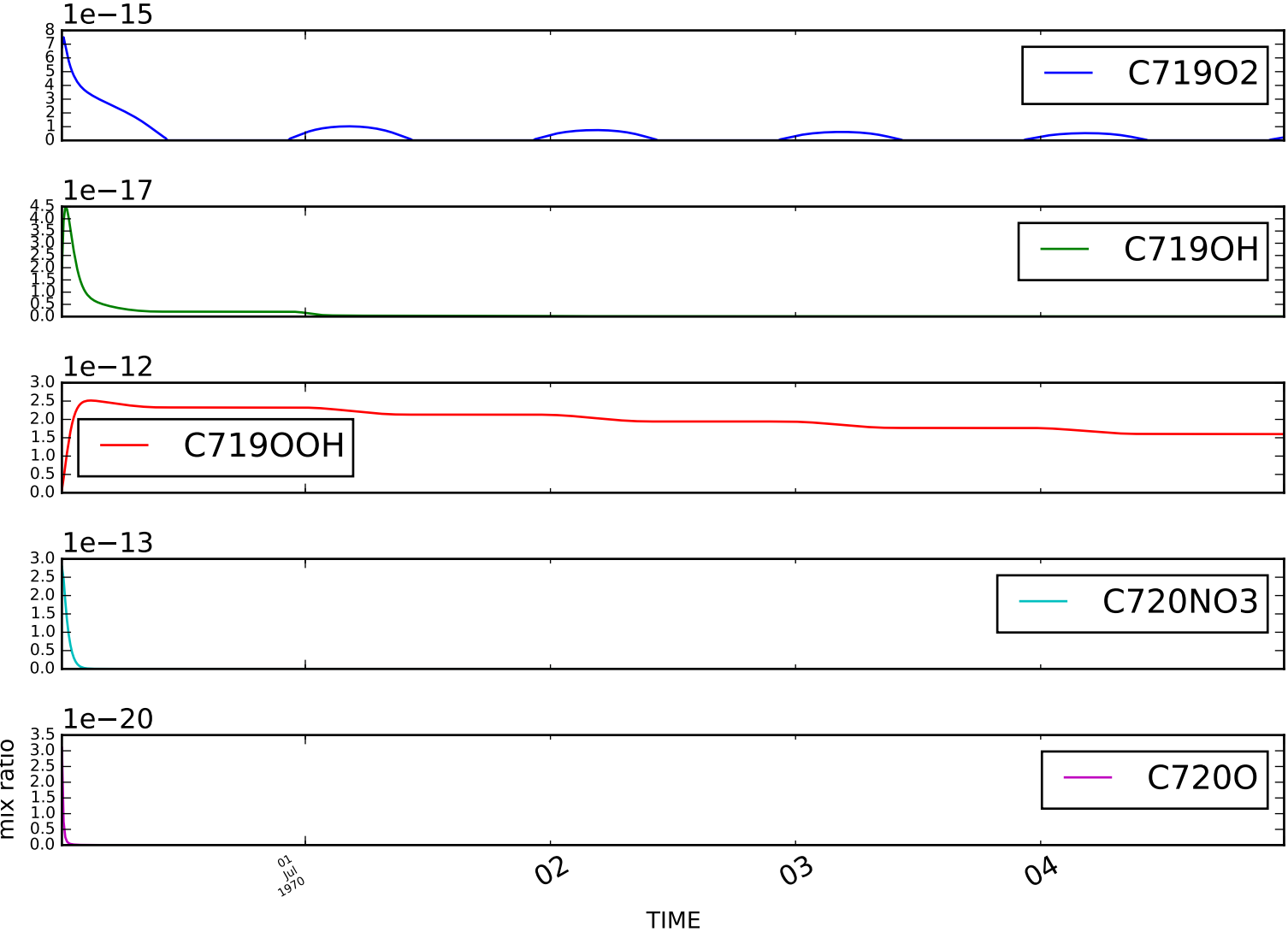

1e−15
C623NO3
1e−23
C623O
1e−16
C623O2
1e−17
C623OH
1e−13
C623OOH
mix ratio
01
Jul
1970
02
03
04
TIME

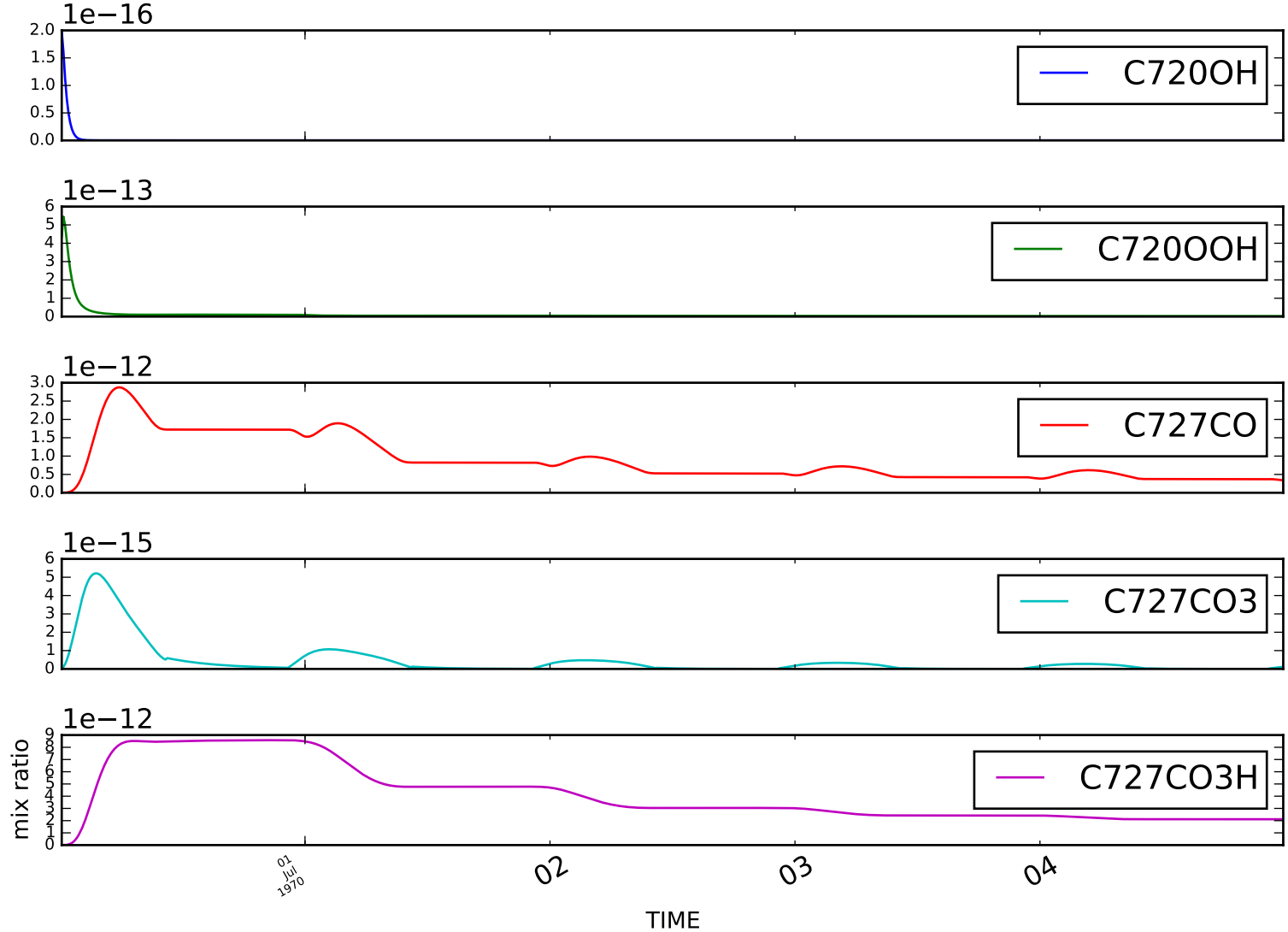

1e−15
C626CO2H
1e−17
C626CO3
1e−14
C626CO3H
1e−16
C626NO3
1e−24
C626O
mix ratio
01
Jul
1970
02
03
04
TIME

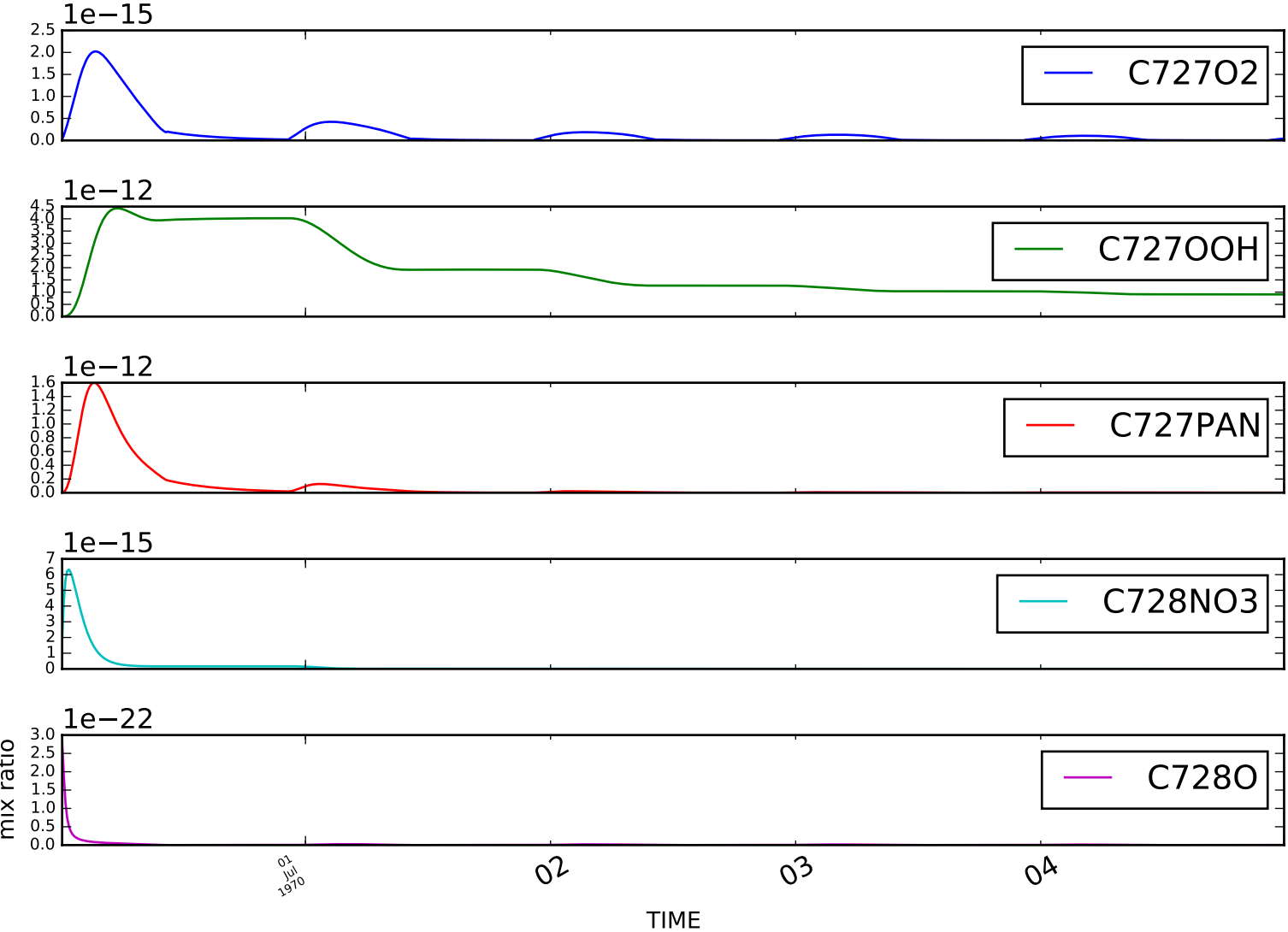

1e−14
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C626OOH
1e−14
2.5
2.0
1.5
1.0
0.5
0.0
C626PAN
1e−23
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C627O
1e−16
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C627O2
1e−17
7
6
5
4
3
2
1
0
C627OH
mix ratio
01
Jul
1970
02
03
04
TIME

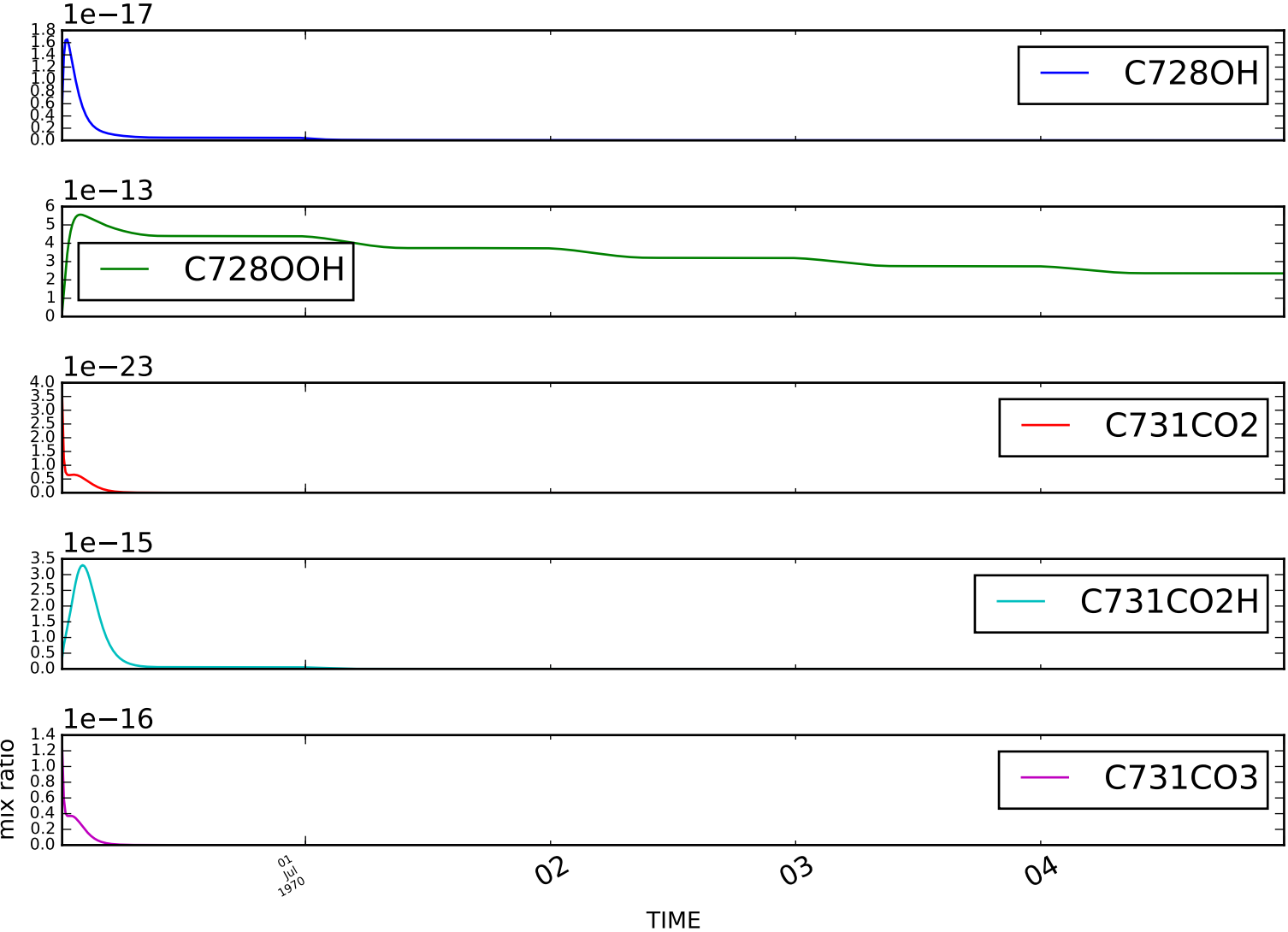

1e−13
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C627PAN
1e−24
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C628O
1e−17
1.0
0.8
0.6
0.4
0.2
0.0
C628O2
1e−20
7
6
5
4
3
2
1
0
C628OH
1e−24
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C628OOA
mix ratio
01
Jul
1970
02
03
04
TIME

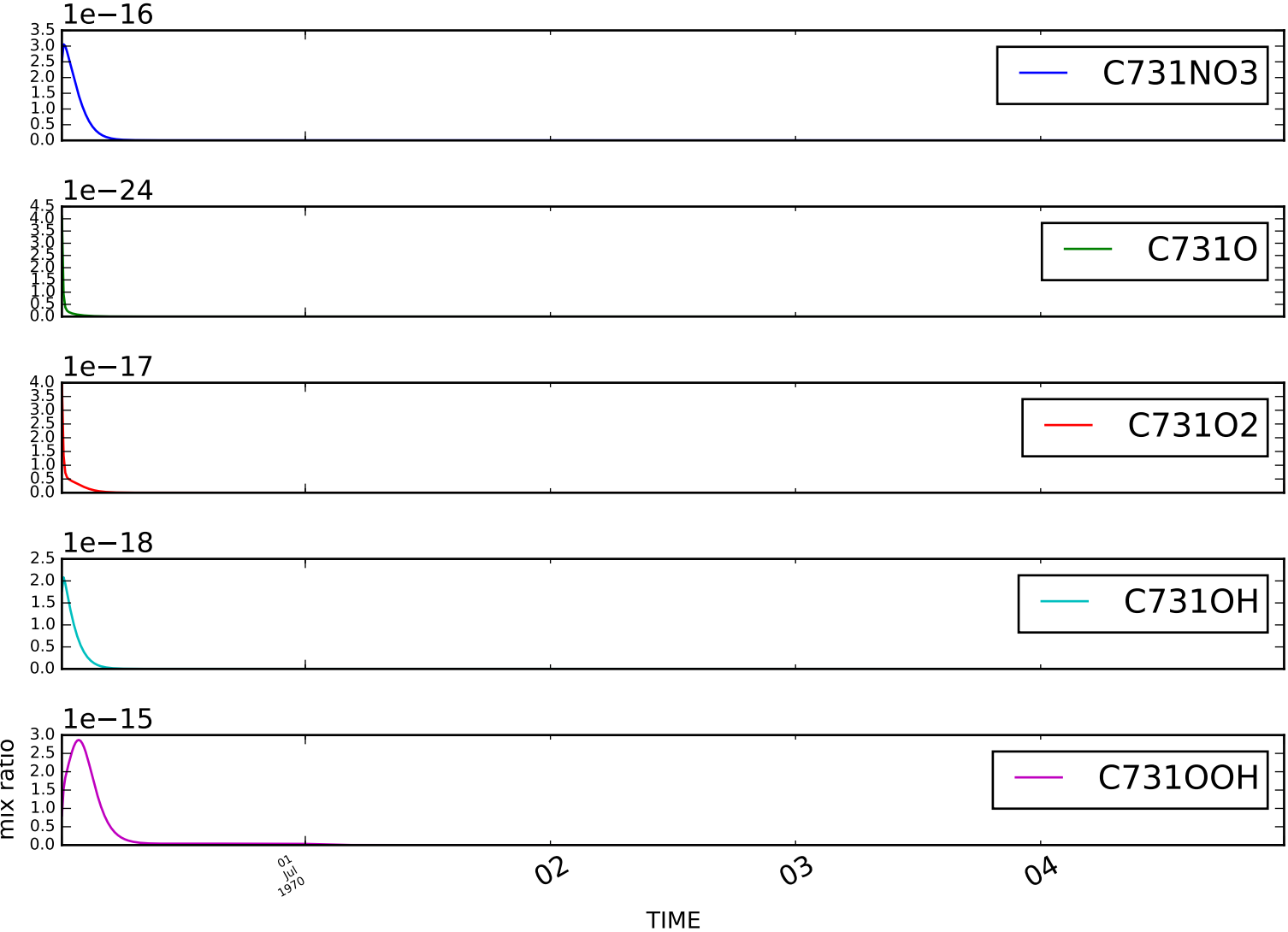

1e−21
C716O
1e−15
C716O2
1e−13
C716OH
1e−13
C716OOH
1e−14
C719NO3
mix ratio
01
Jul
1970
02
03
04
TIME

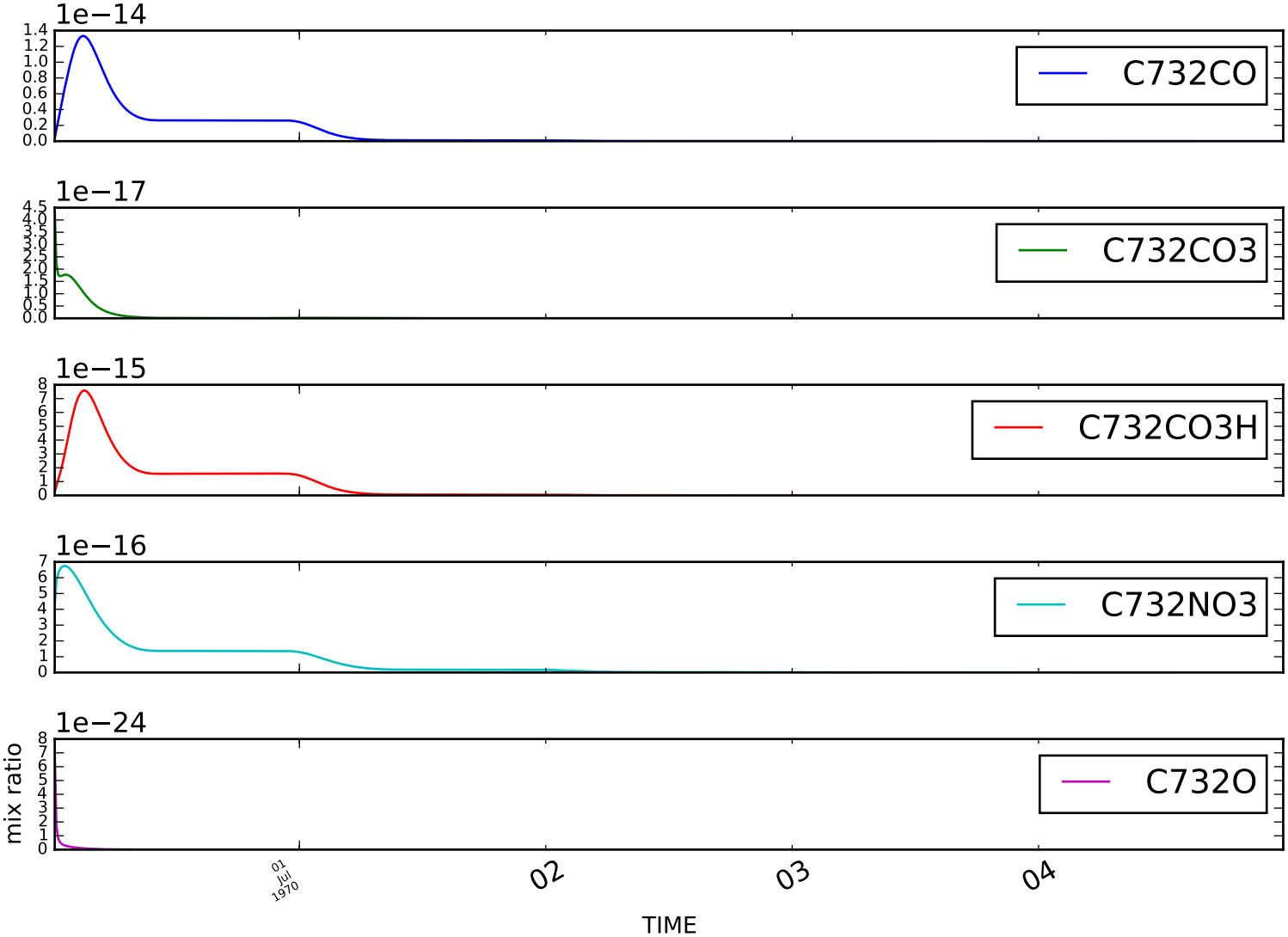

1e−15
C719O2
1e−17
C719OH
1e−12
C719OOH
1e−13
C720NO3
1e−20
C720O
mix ratio
01
Jul
1970
02
03
04
TIME

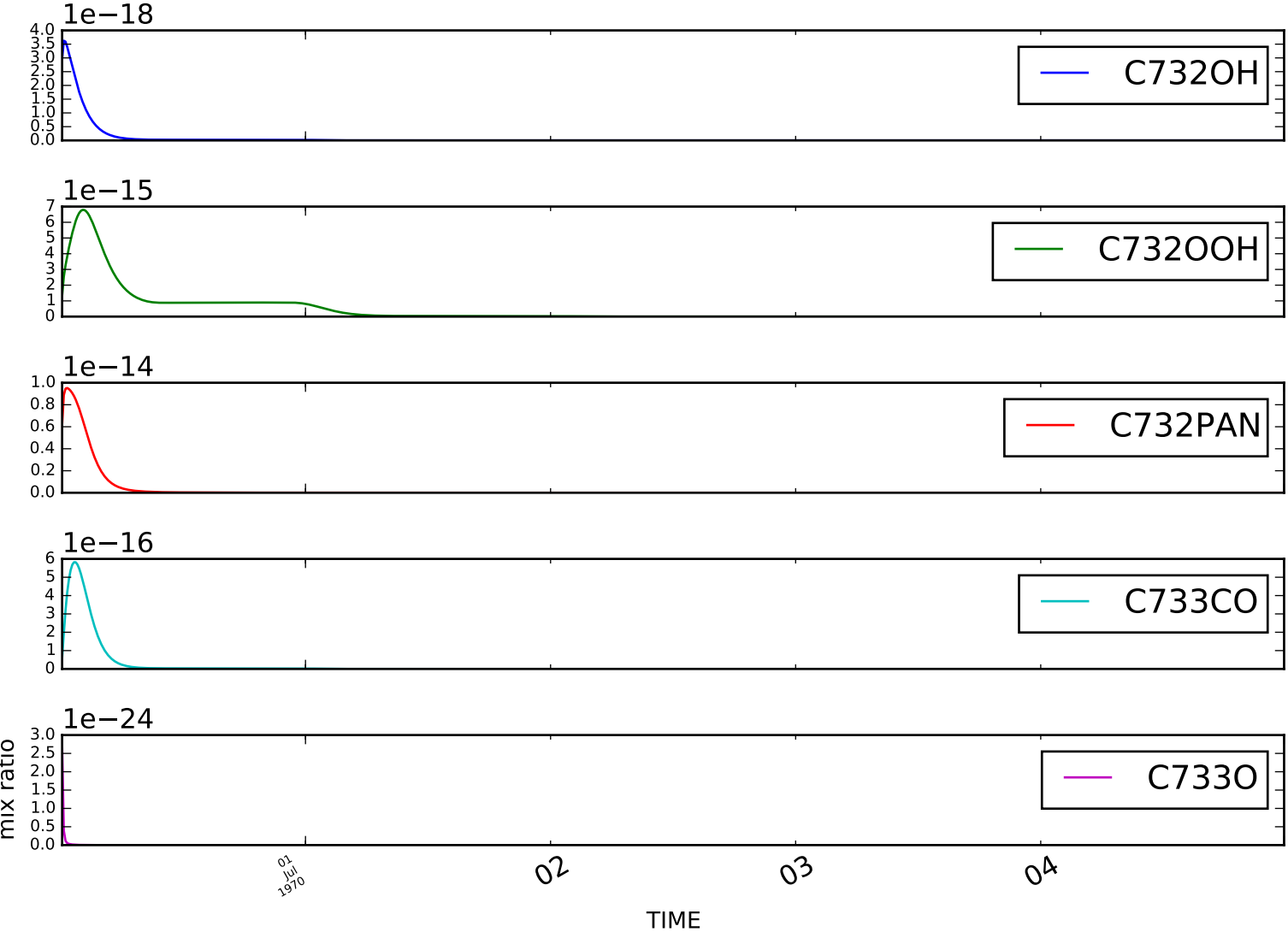

1e−16
2.0
1.5
1.0
0.5
0.0
C720OH
1e−13
6
5
4
3
2
1
0
C720OOH
1e−12
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C727CO
1e−15
6
5
4
3
2
1
0
C727CO3
1e−12
9
8
7
6
5
4
3
2
1
0
C727CO3H
mix ratio
01
Jul
1970
02
03
04
TIME

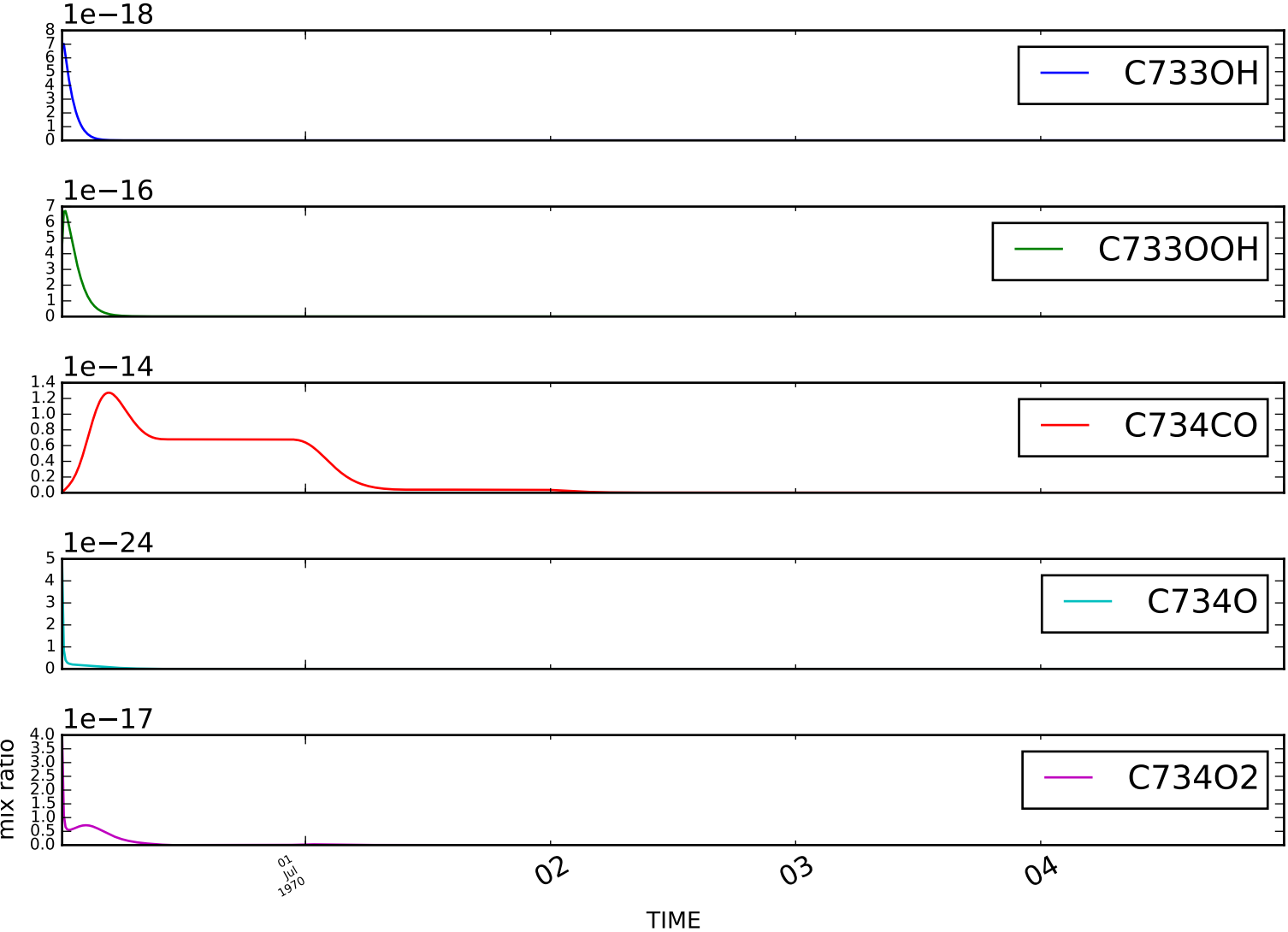

1e−15
C727O2
1e−12
C727OOH
1e−12
C727PAN
1e−15
C728NO3
1e−22
C728O
mix ratio
01
Jul
1970
02
03
04
TIME

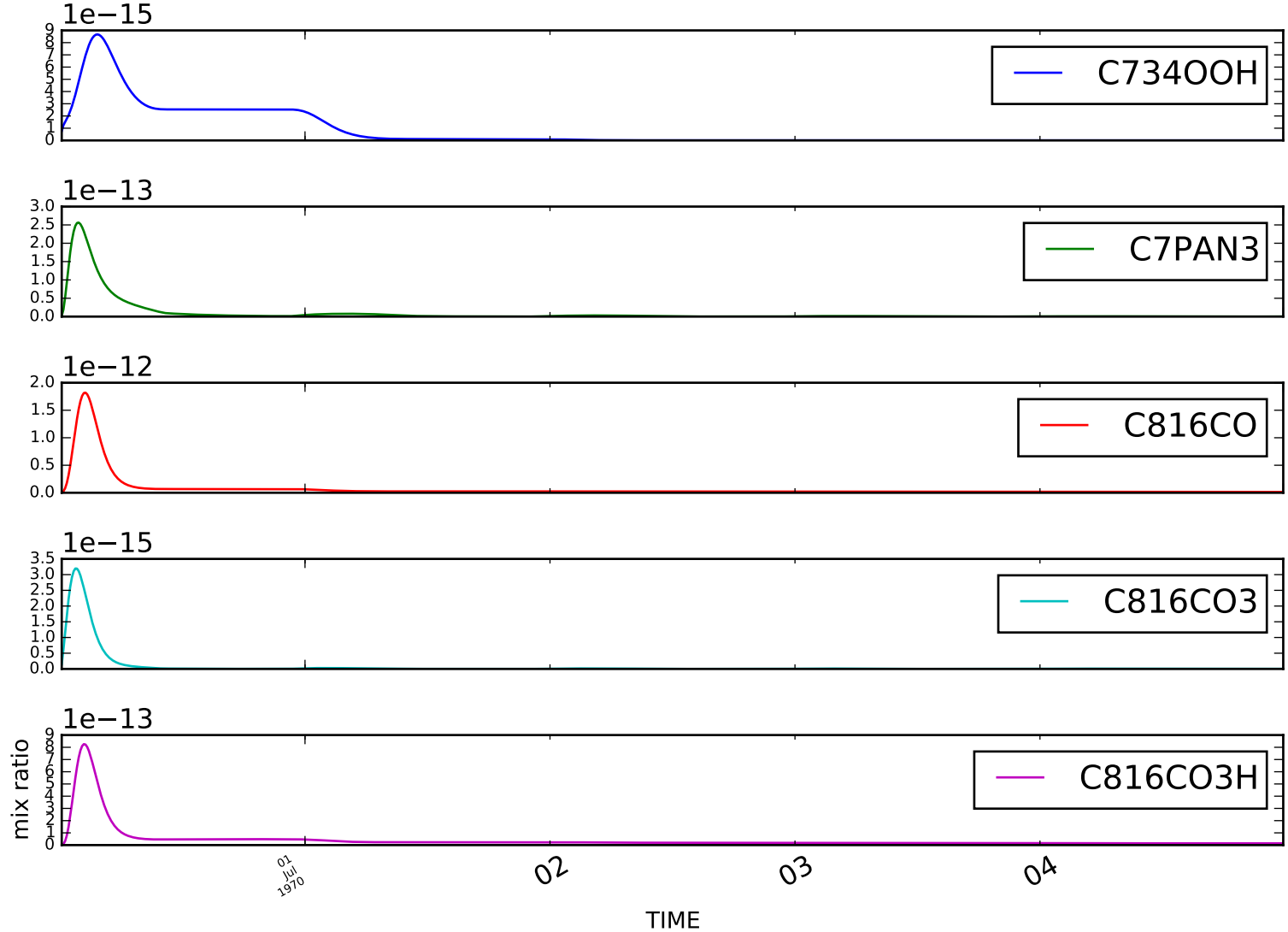

1e−17
C728OH
1e−13
C728OOH
1e−23
C731CO2
1e−15
C731CO2H
1e−16
C731CO3
mix ratio
01
Jul
1970
02
03
04
TIME


1e−16
C731NO3
1e−24
C731O
1e−17
C731O2
1e−18
C731OH
1e−15
C731OOH
mix ratio
01
Jul
1970
02
03
04
TIME


1e−14
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C732CO
1e−17
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C732CO3
1e−15
8
7
6
5
4
3
2
1
0
C732CO3H
1e−16
7
6
5
4
3
2
1
0
C732NO3
1e−24
8
7
6
5
4
3
2
1
0
C732O
mix ratio
01
Jul
1970
02
03
04
TIME


1e−18
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C732OH
1e−15
7
6
5
4
3
2
1
0
C732OOH
1e−14
1.0
0.8
0.6
0.4
0.2
0.0
C732PAN
1e−16
6
5
4
3
2
1
0
C733CO
1e−24
3.0
2.5
2.0
1.5
1.0
0.5
0.0
C733O
mix ratio
01
Jul
1970
02
03
04
TIME


1e−18
C733OH
1e−16
C733OOH
1e−14
C734CO
1e−24
C734O
1e−17
C734O2
mix ratio
01
Jul
1970
02
03
04
TIME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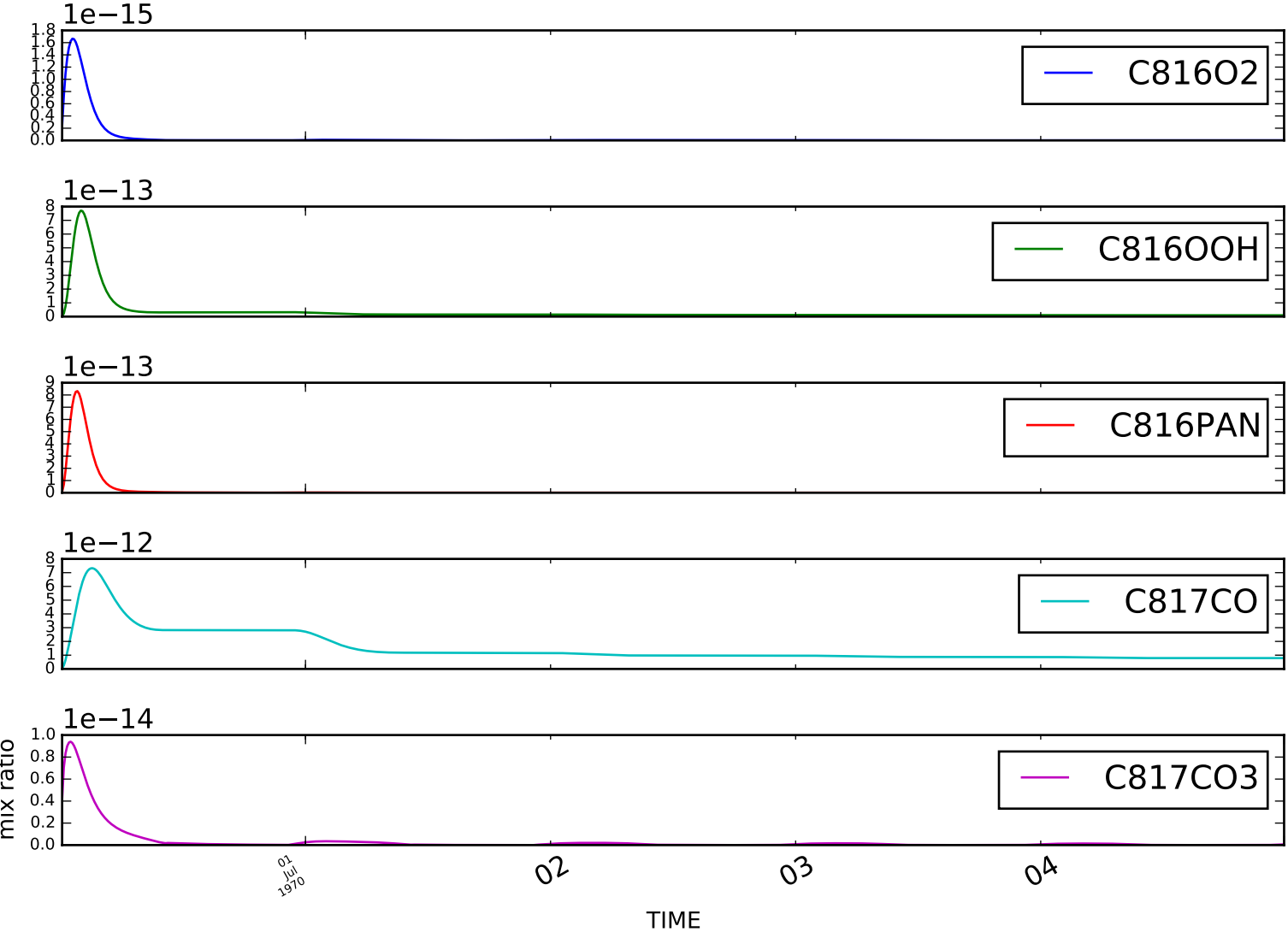
C734OOH
1e−13
C7PAN3
1e−12
C816CO
1e−15
C816CO3
1e−13
C816CO3H
mix ratio
01
Jul
1970
02
03
04
TIME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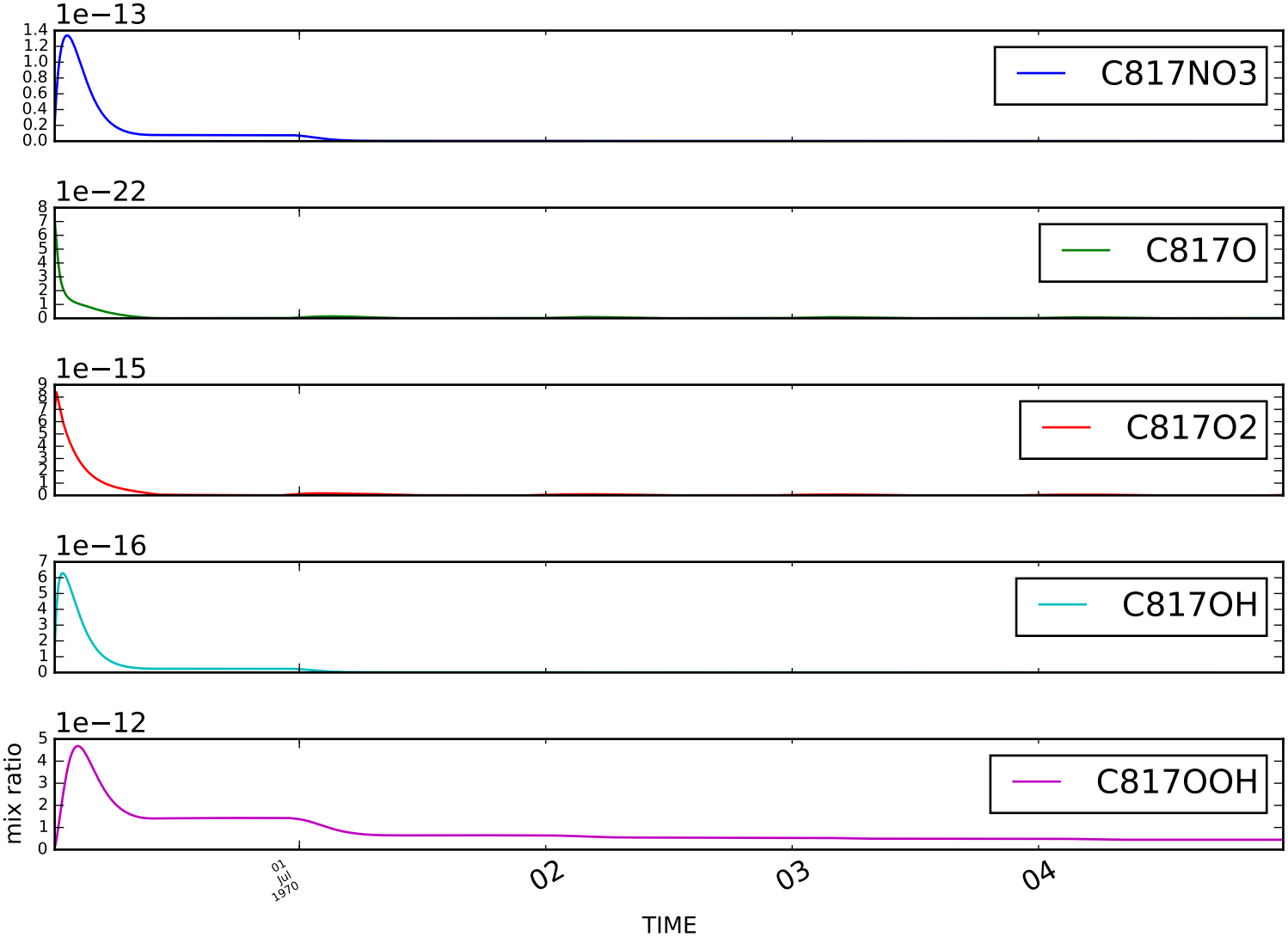
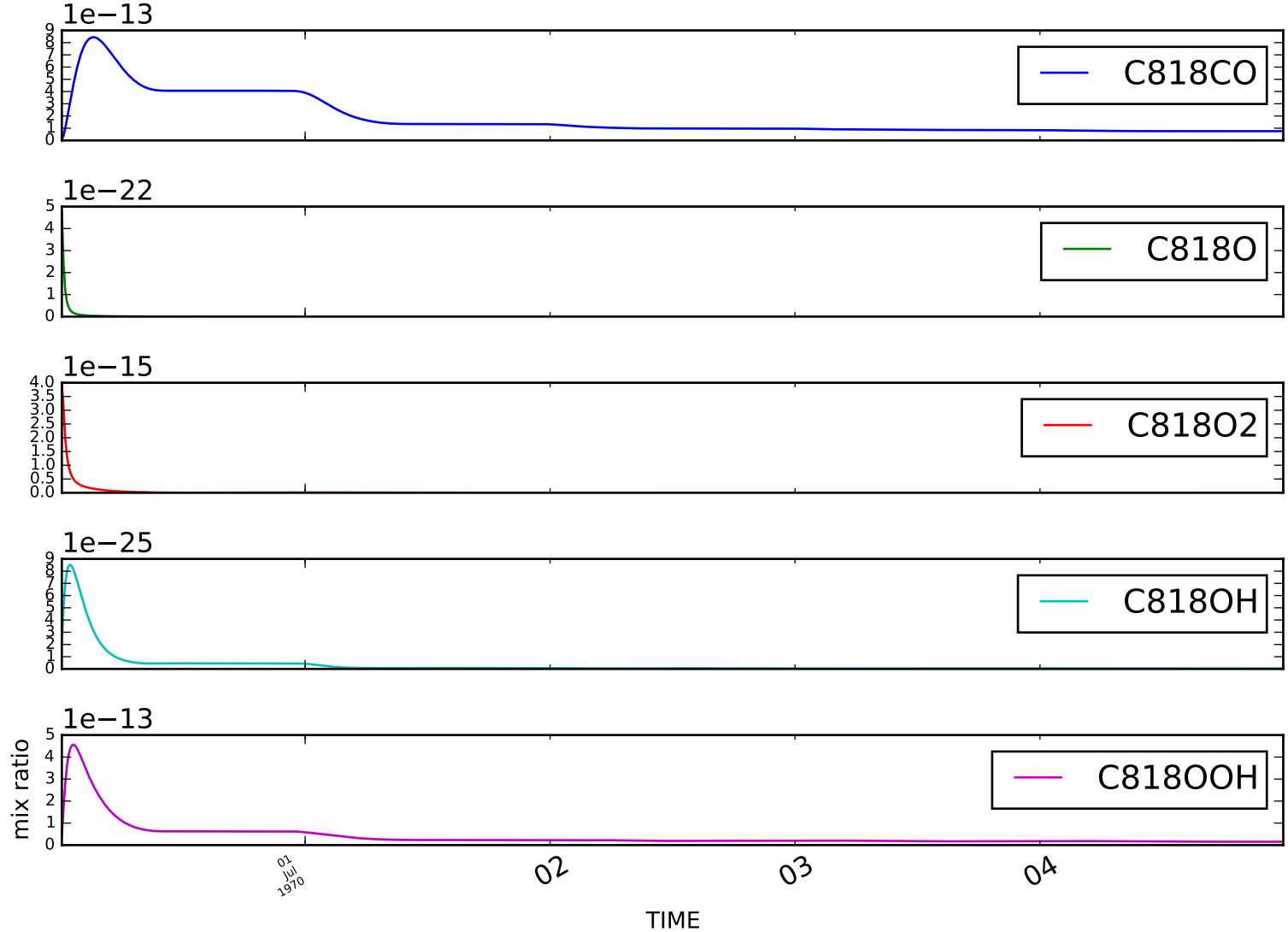
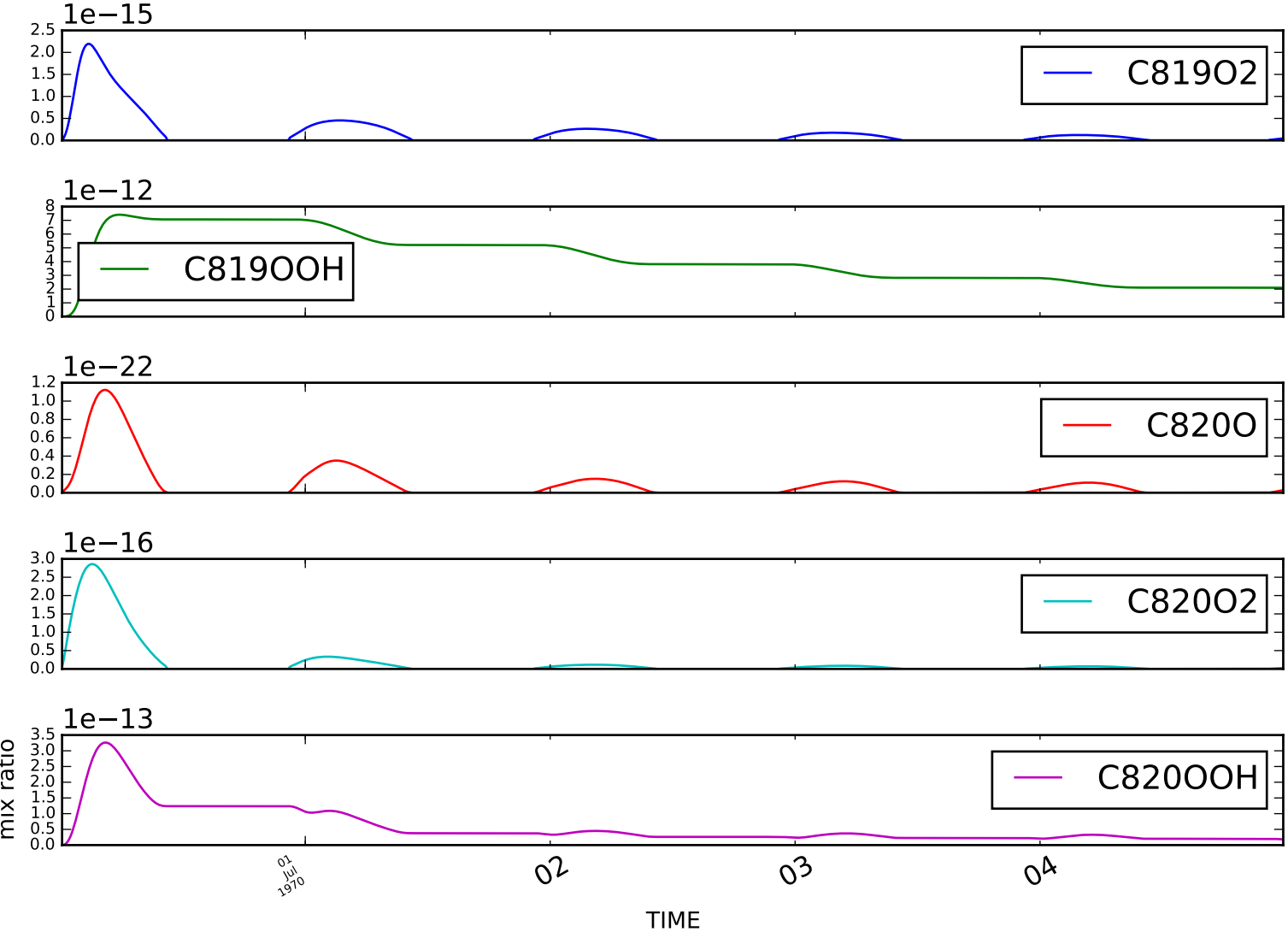
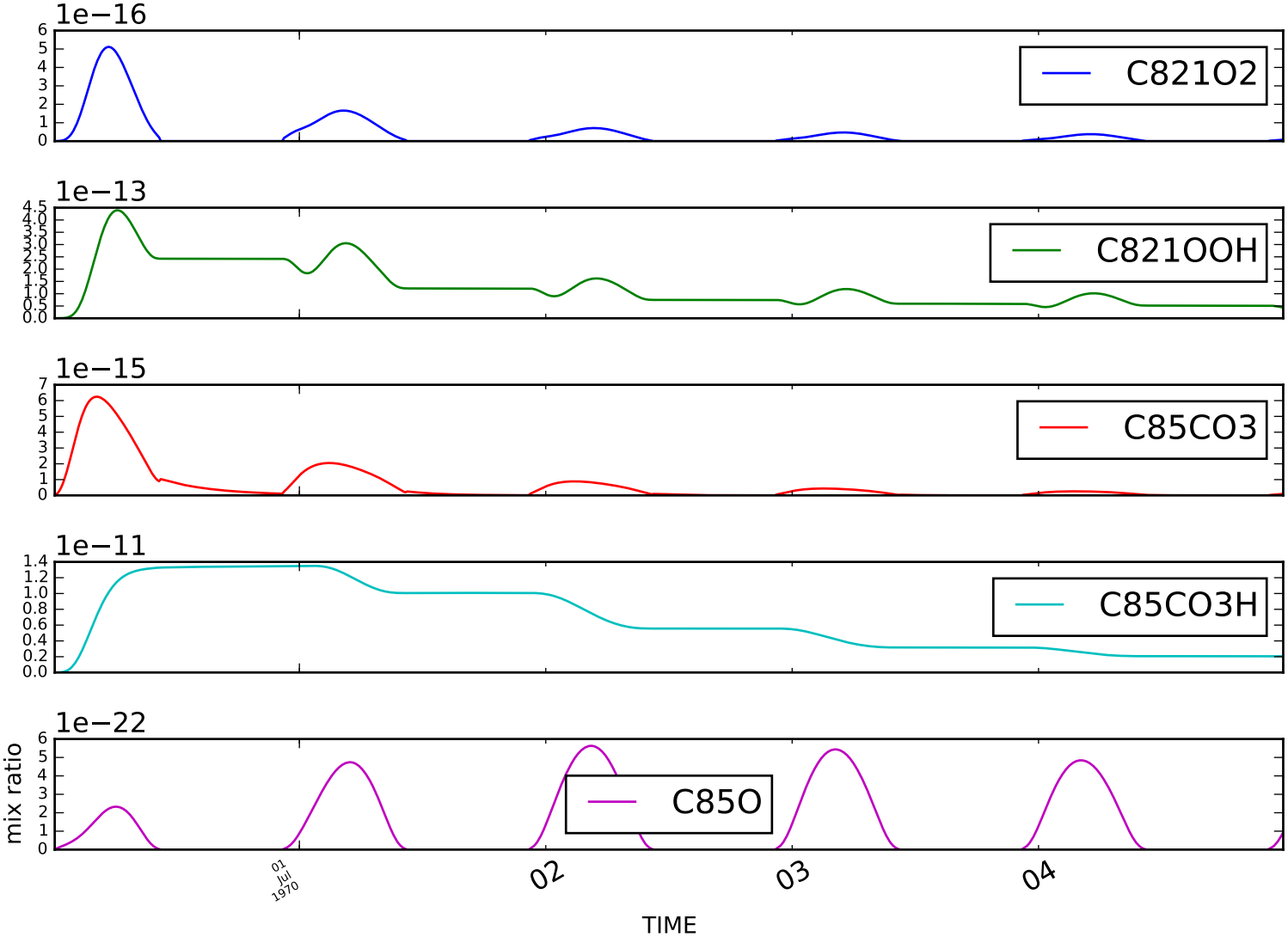
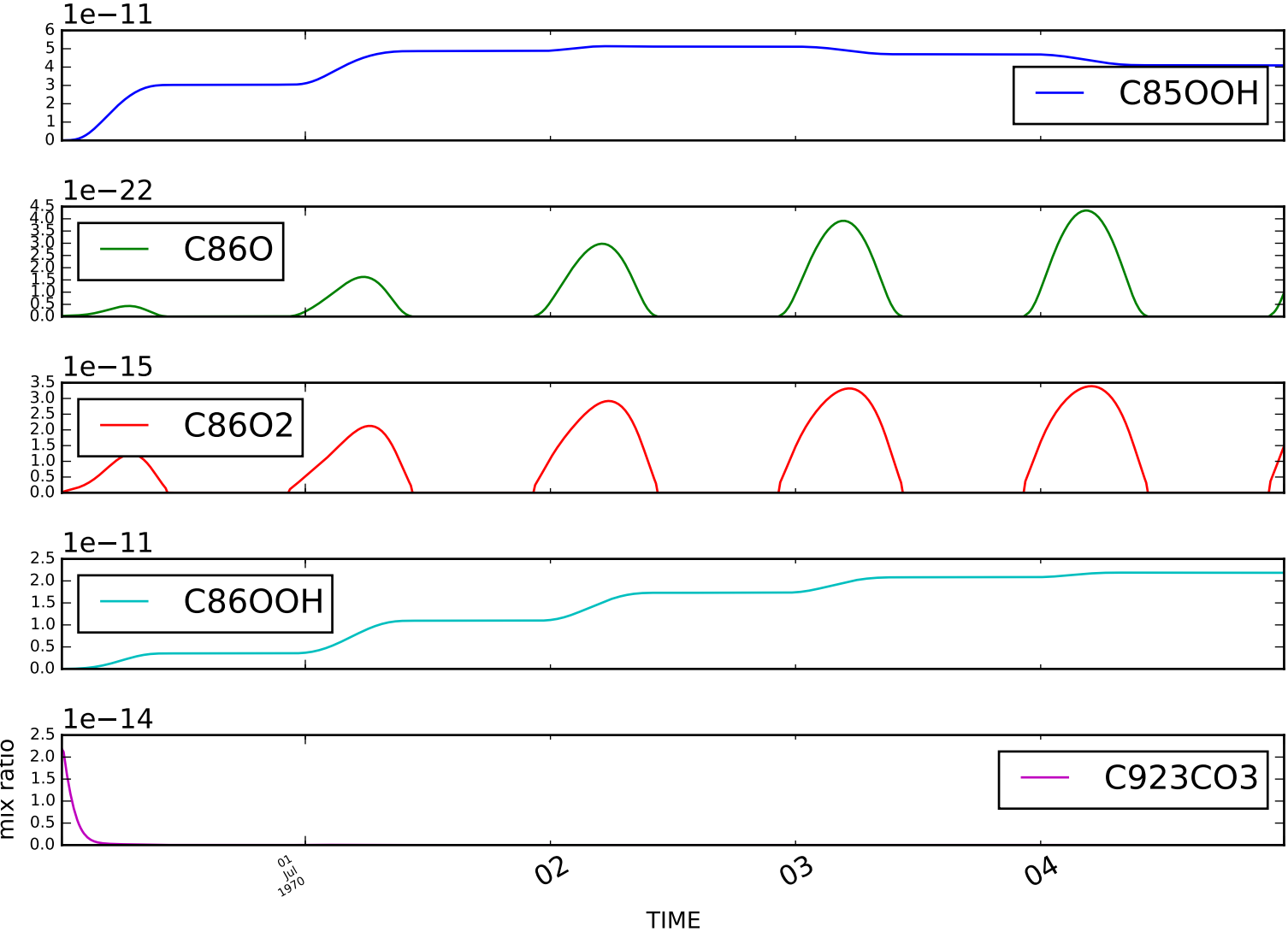
C816O2
1e−13
C816OOH
1e−13
C816PAN
1e−12
C817CO
1e−14
C817CO3
mix ratio
01
Jul
1970
02
03
04
TIME

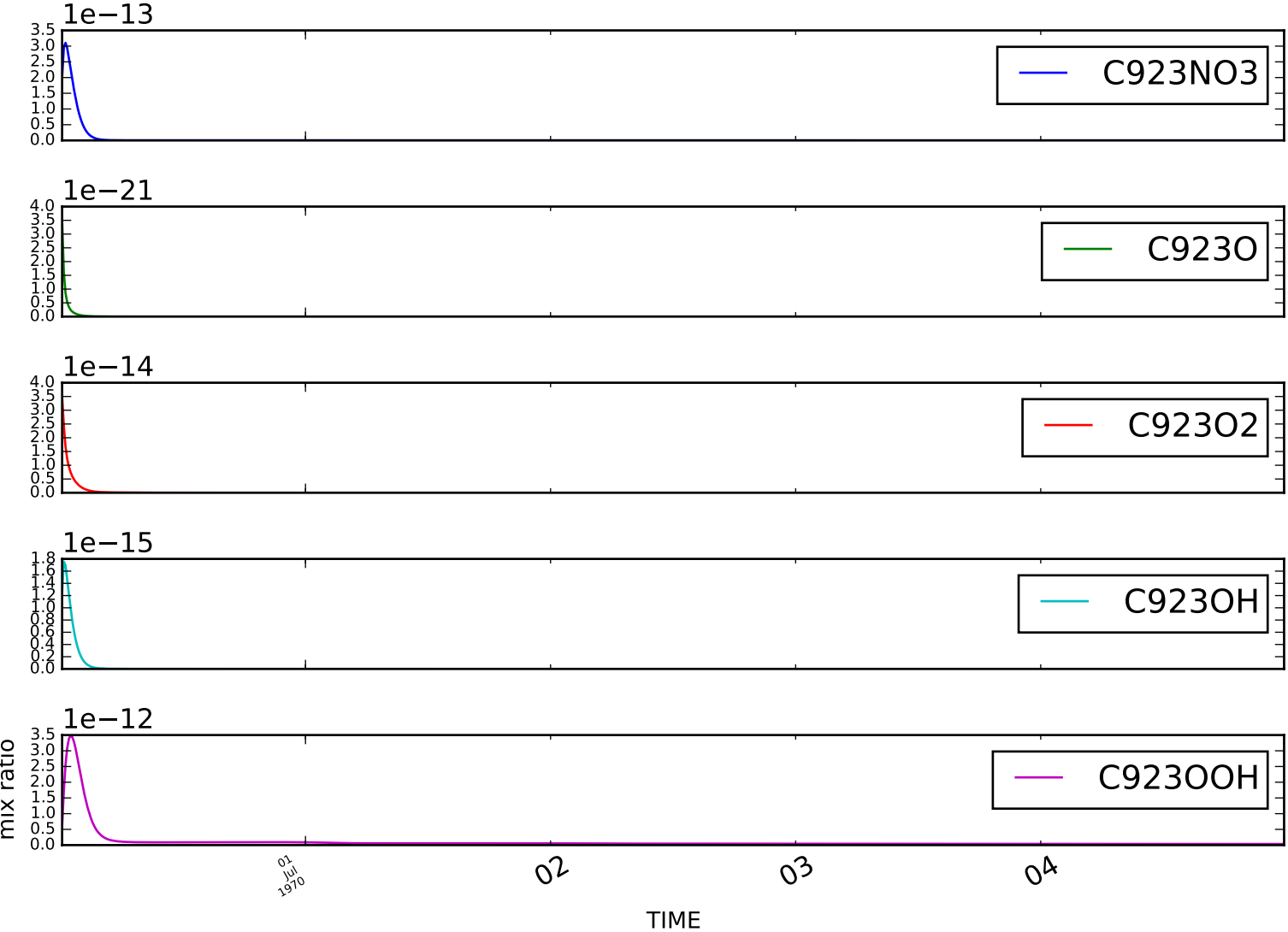

1e−13
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
C817NO3
1e−22
8
7
6
5
4
3
2
1
0
C817O
1e−15
9
8
7
6
5
4
3
2
1
0
C817O2
1e−16
7
6
5
4
3
2
1
0
C817OH
1e−12
5
4
3
2
1
0
C817OOH
mix ratio
01
Jul
1970
02
03
04
TIME

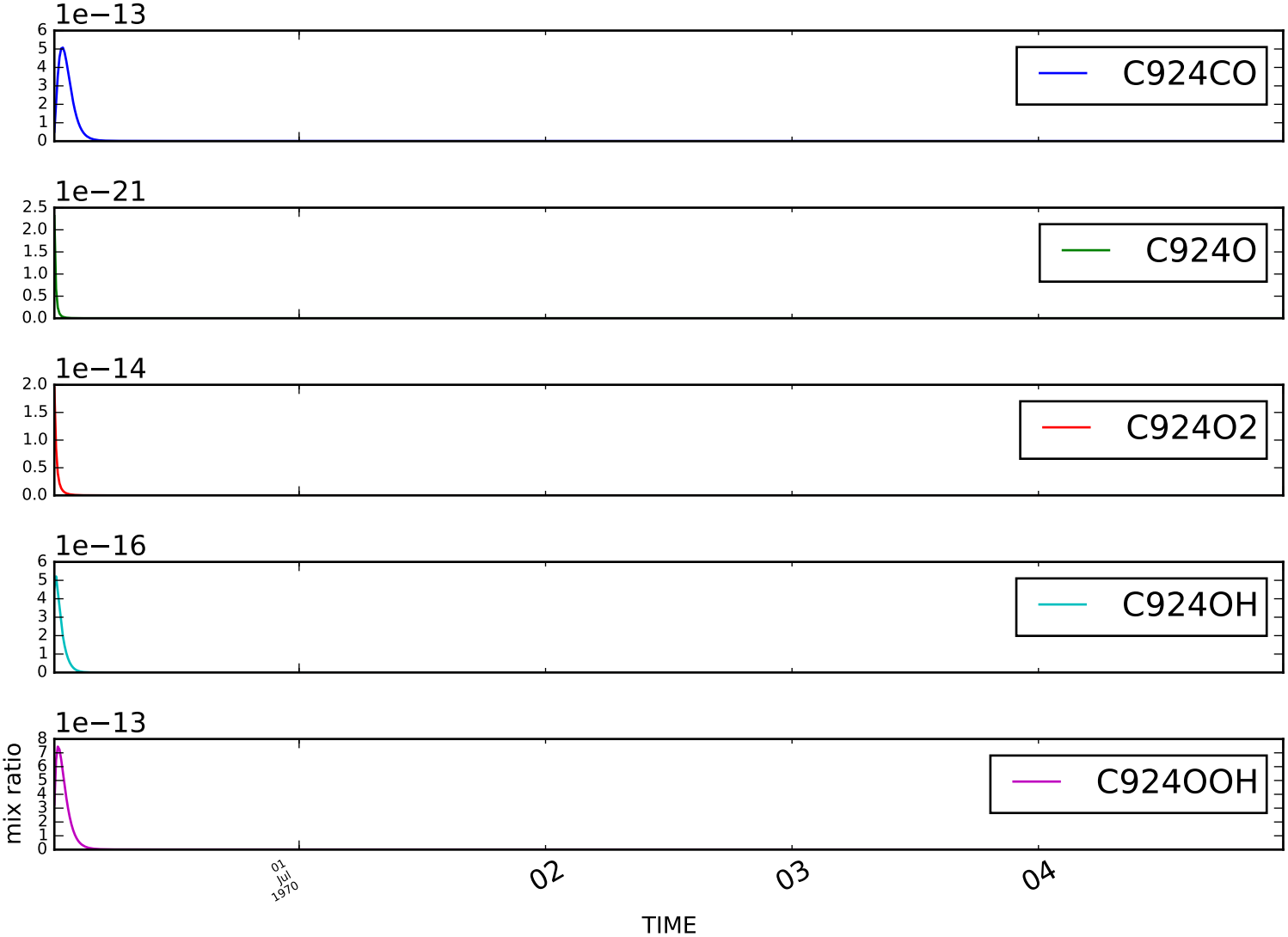

1e−13
C818CO
1e−22
C818O
1e−15
C818O2
1e−25
C818OH
1e−13
C818OOH
mix ratio
01
Jul
1970
02
03
04
TIME

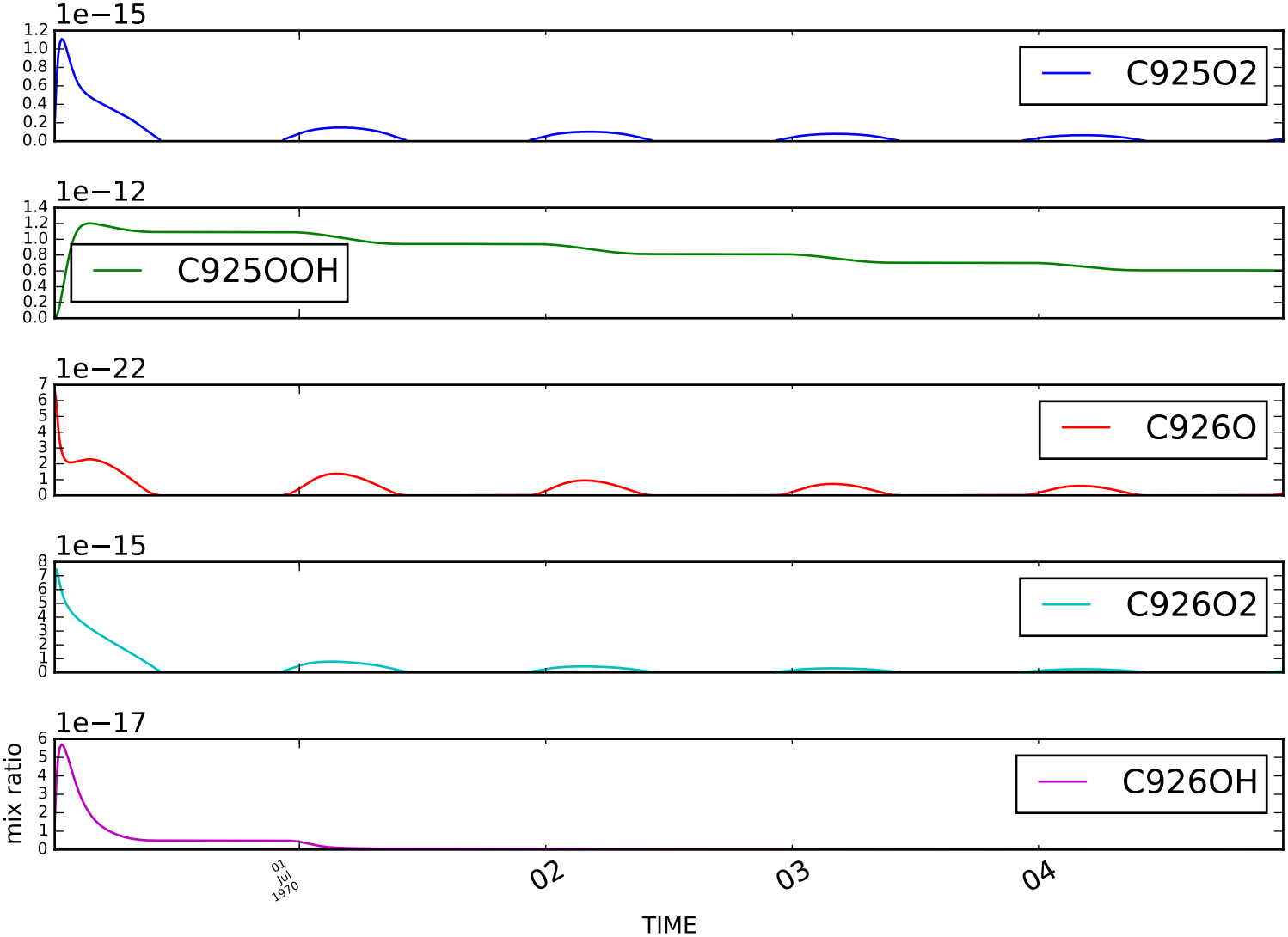

1e−15
C819O2
1e−12
C819OOH
1e−22
C820O
1e−16
C820O2
1e−13
C820OOH
mix ratio
01
Jul
1970
02
03
04
TIME

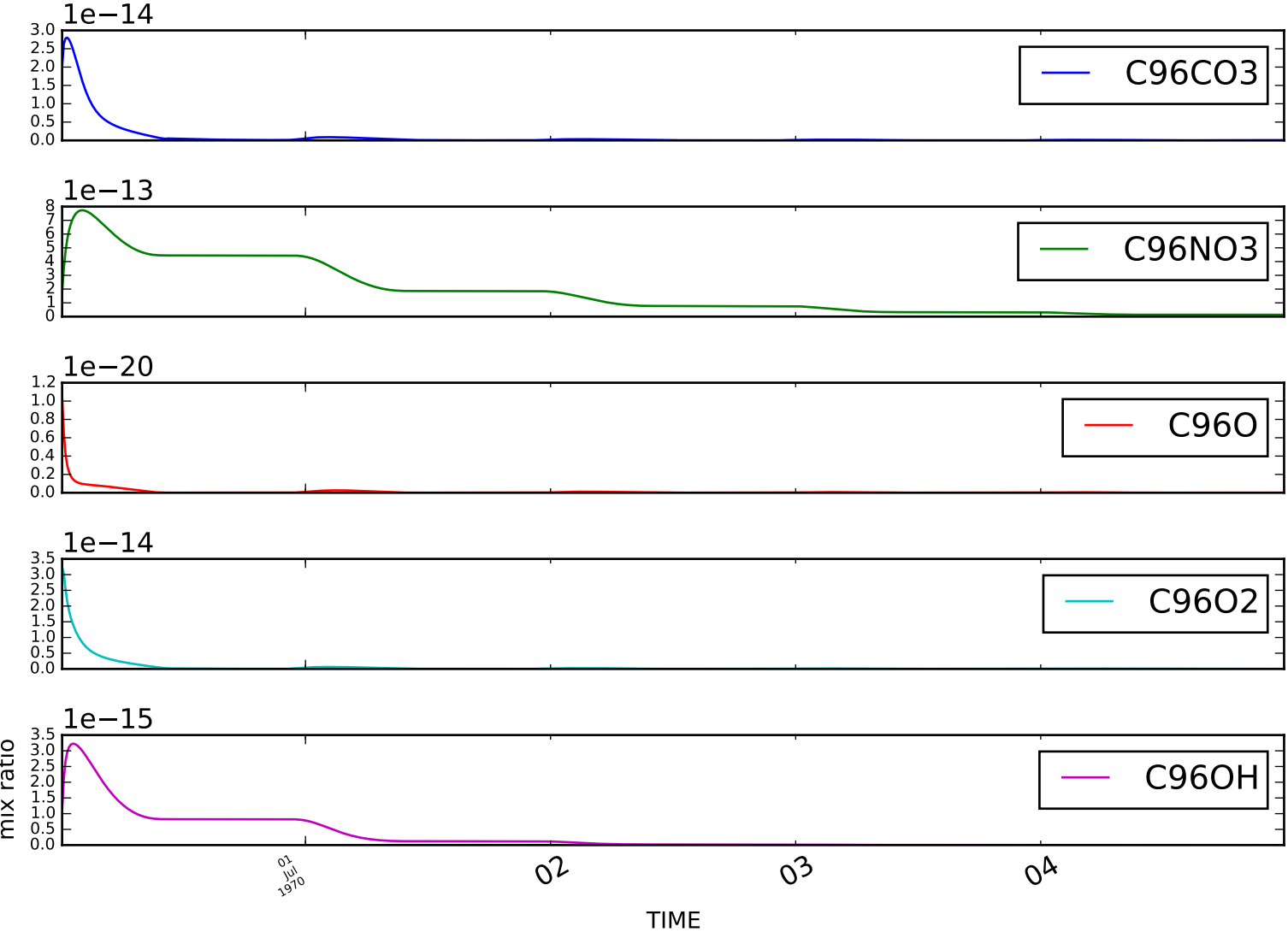

1e−16
C821O2
1e−13
C821OOH
1e−15
C85CO3
1e−11
C85CO3H
1e−22
C85O
mix ratio
01
Jul
1970
02
03
04
TIME

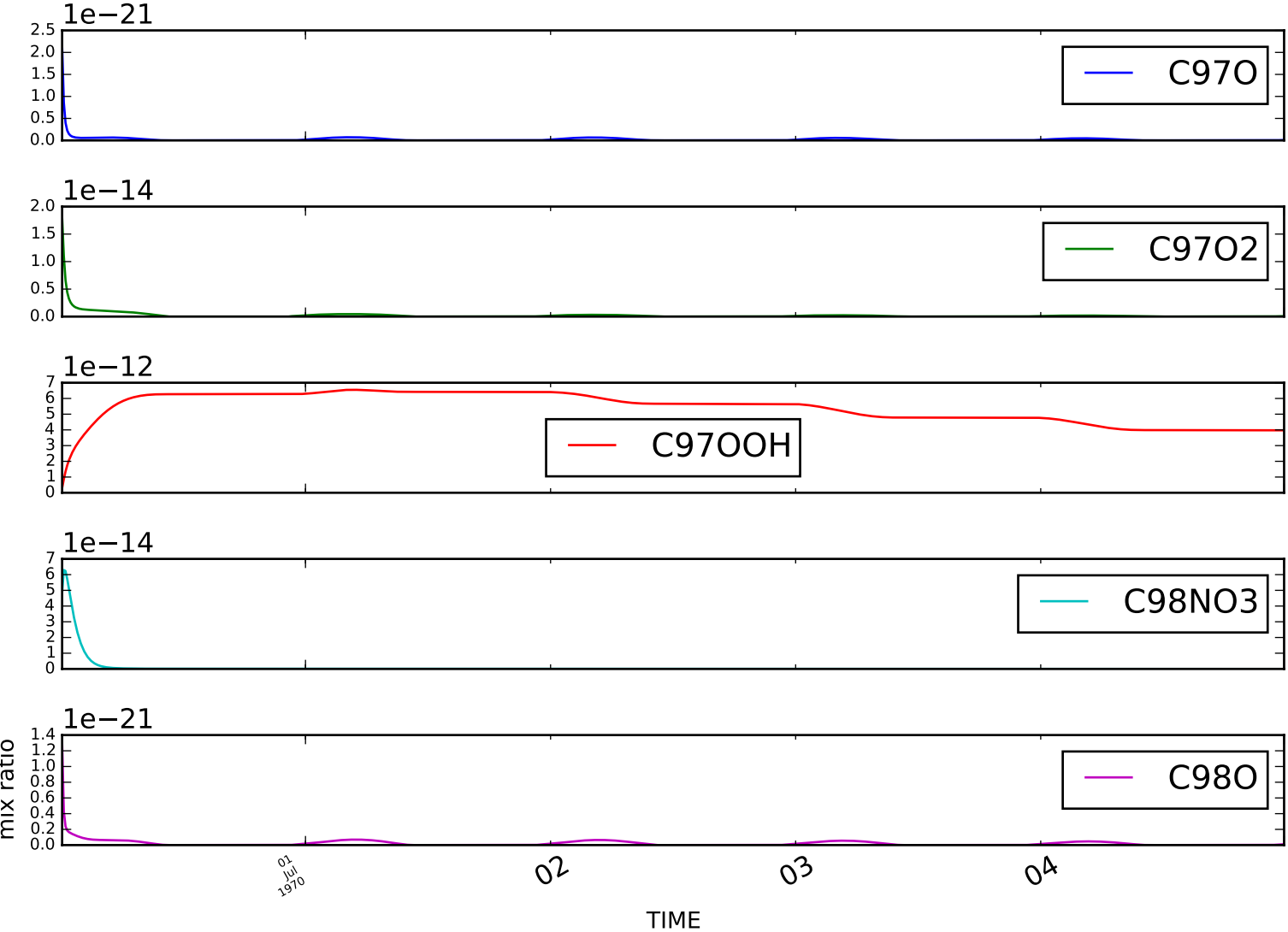

1e−11
C85OOH
1e−22
C86O
1e−15
C86O2
1e−11
C86OOH
1e−14
C923CO3
mix ratio
01
Jul
1970
02
03
04
TIME

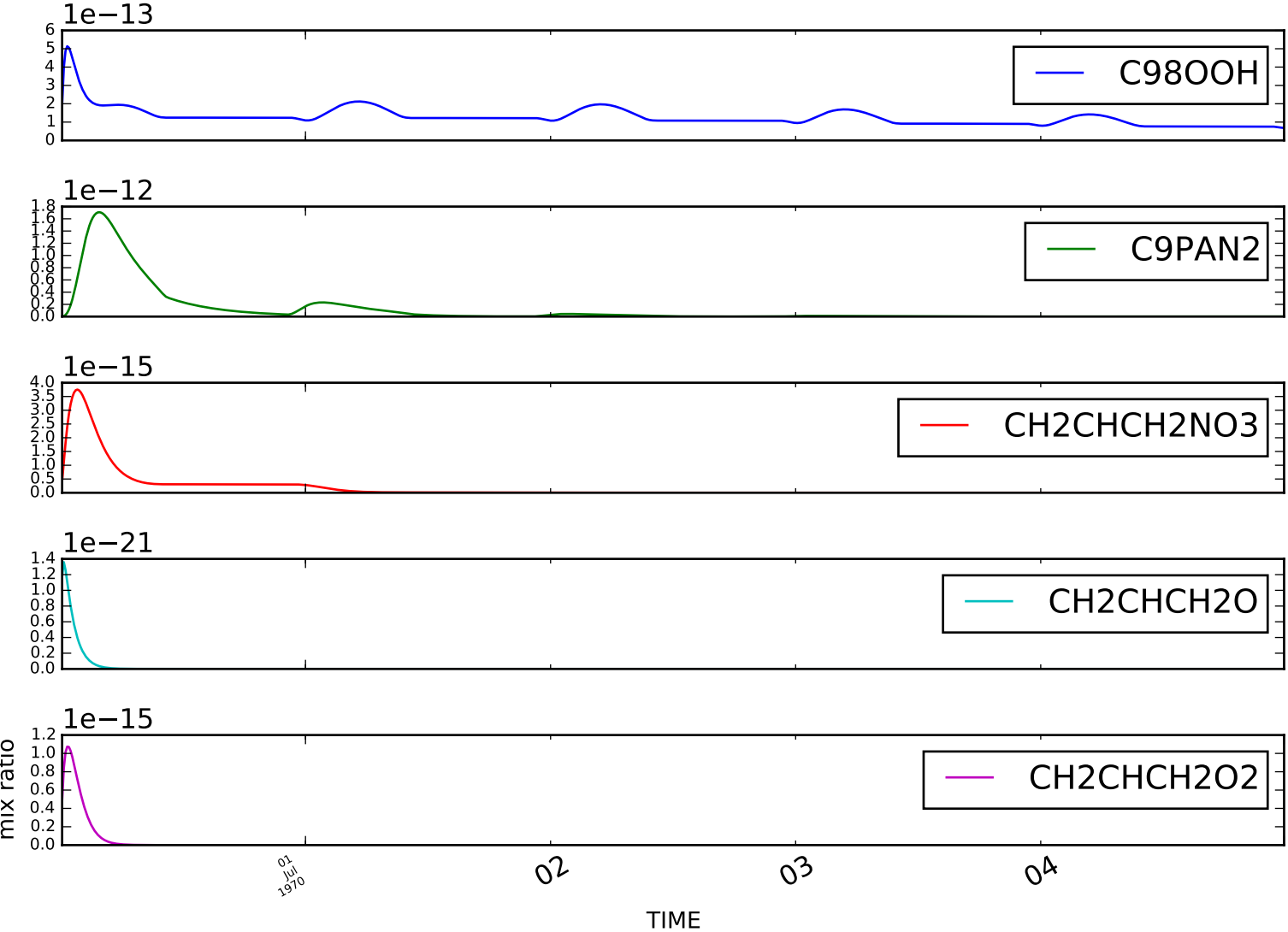

1e−13
C923NO3
1e−21
C923O
1e−14
C923O2
1e−15
C923OH
1e−12
C923OOH
mix ratio
01
Jul
1970
02
03
04
TIME

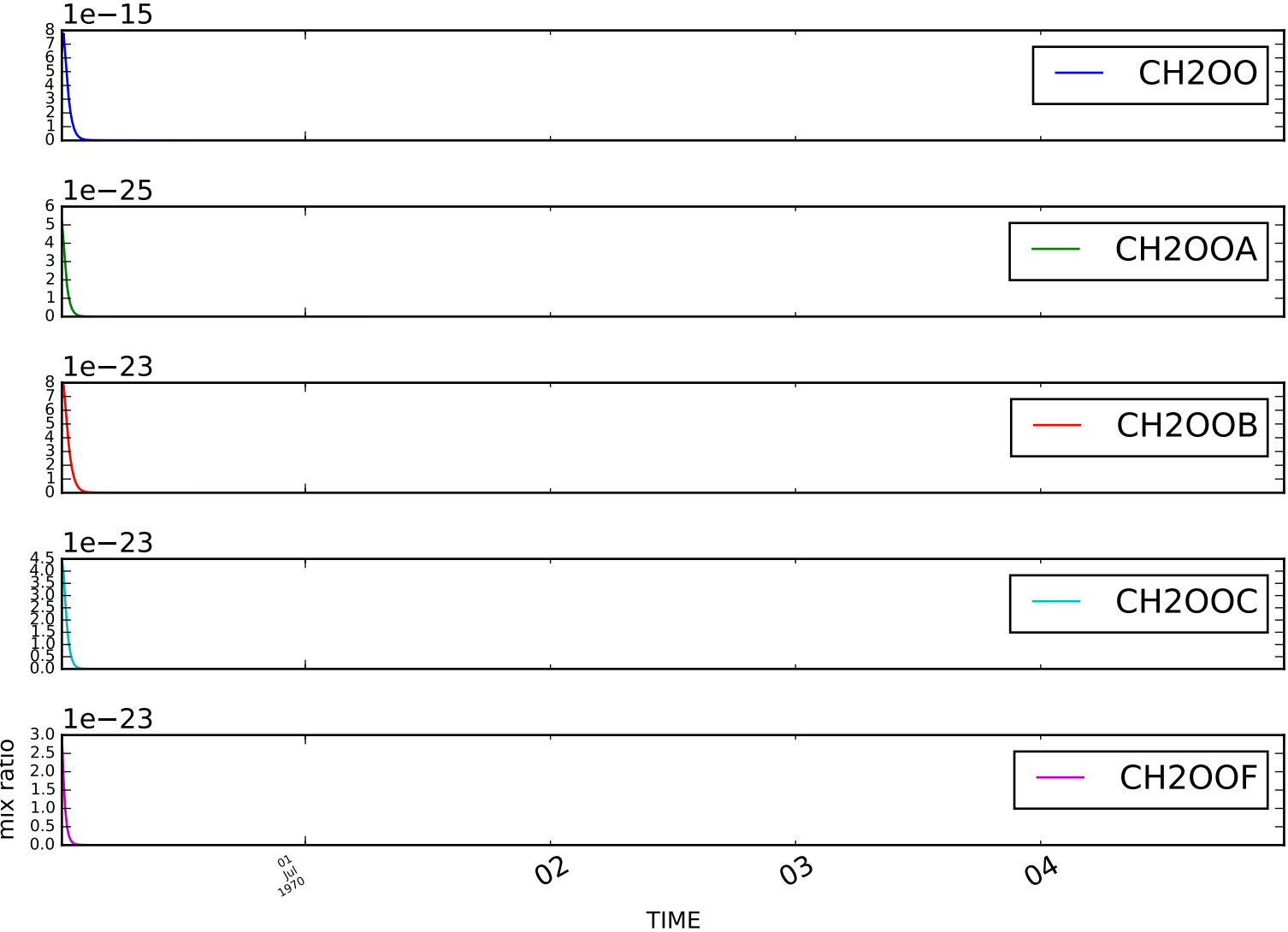

1e−13
C924CO
1e−21
C924O
1e−14
C924O2
1e−16
C924OH
1e−13
C924OOH
mix ratio
01
Jul
1970
02
03
04
TIME

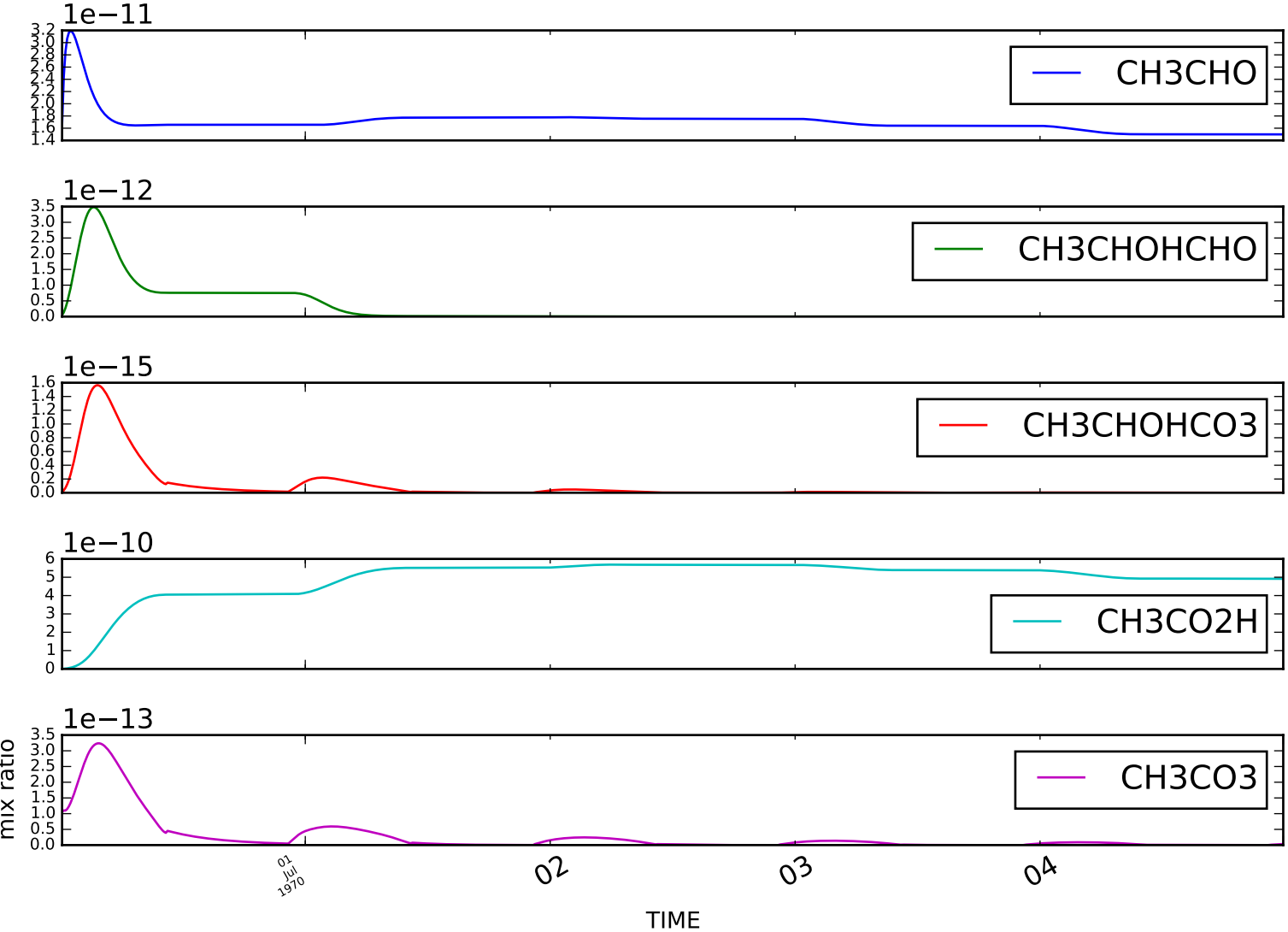

1e−15
C925O2
1e−12
C925OOH
1e−22
C926O
1e−15
C926O2
1e−17
C926OH
mix ratio
01
Jul
1970
02
03
04
TIME

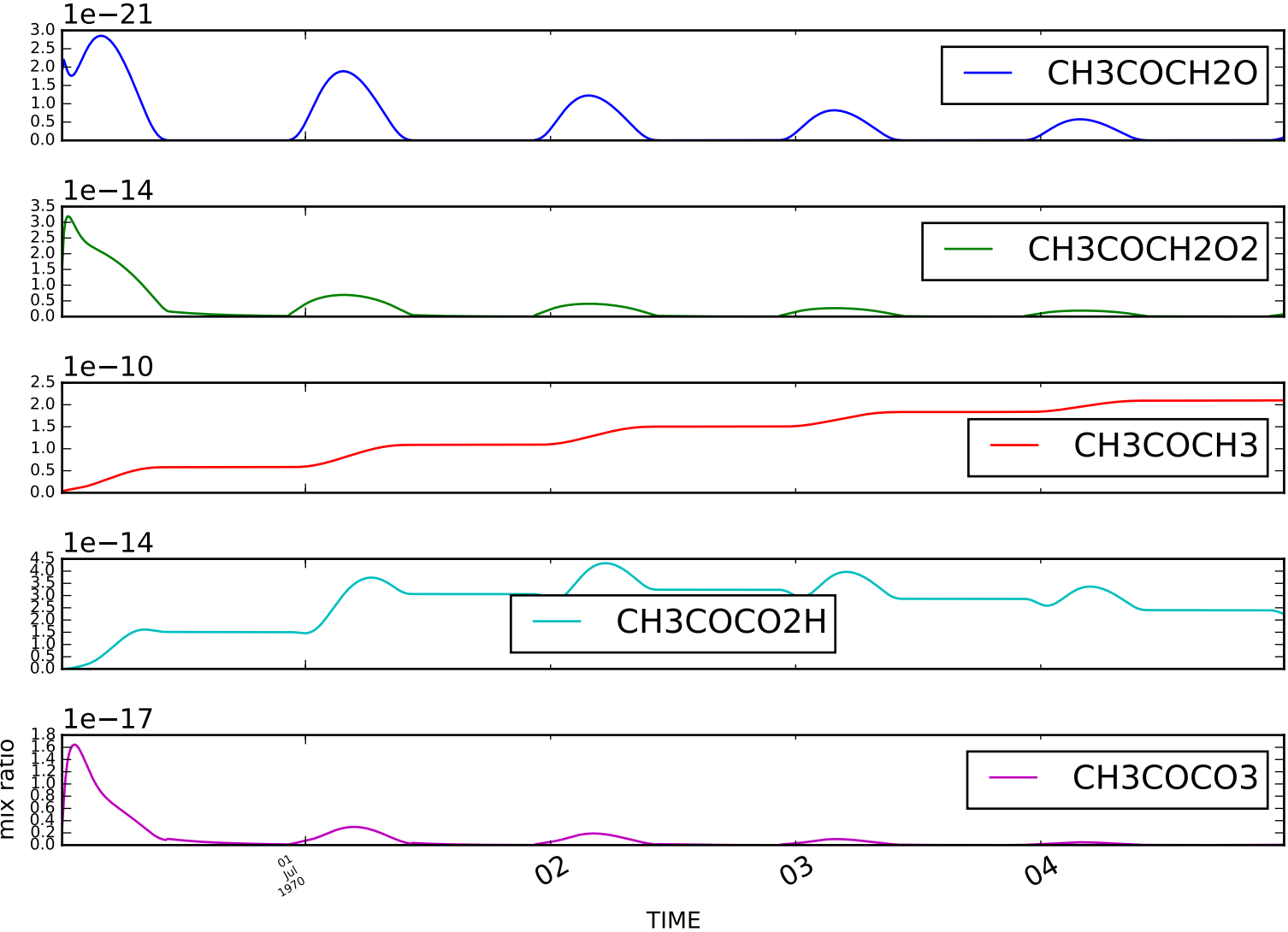

1e−14
C96CO3
1e−13
C96NO3
1e−20
C96O
1e−14
C96O2
1e−15
C96OH
mix ratio
01
Jul
1970
02
03
04
TIME

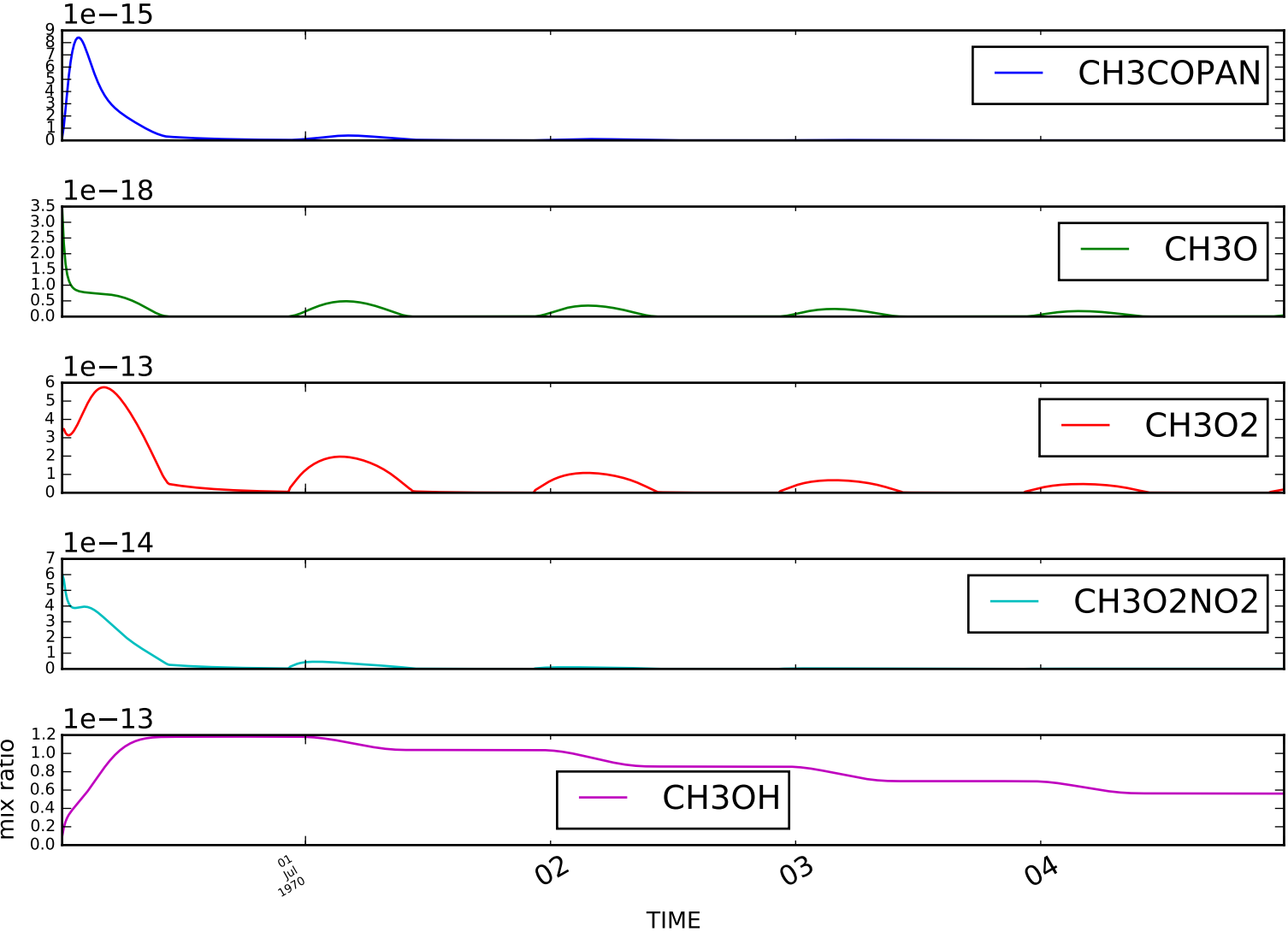

1e−21
C97O
1e−14
C97O2
1e−12
C97OOH
1e−14
C98NO3
1e−21
C98O
mix ratio
01
Jul
1970
02
03
04
TIME

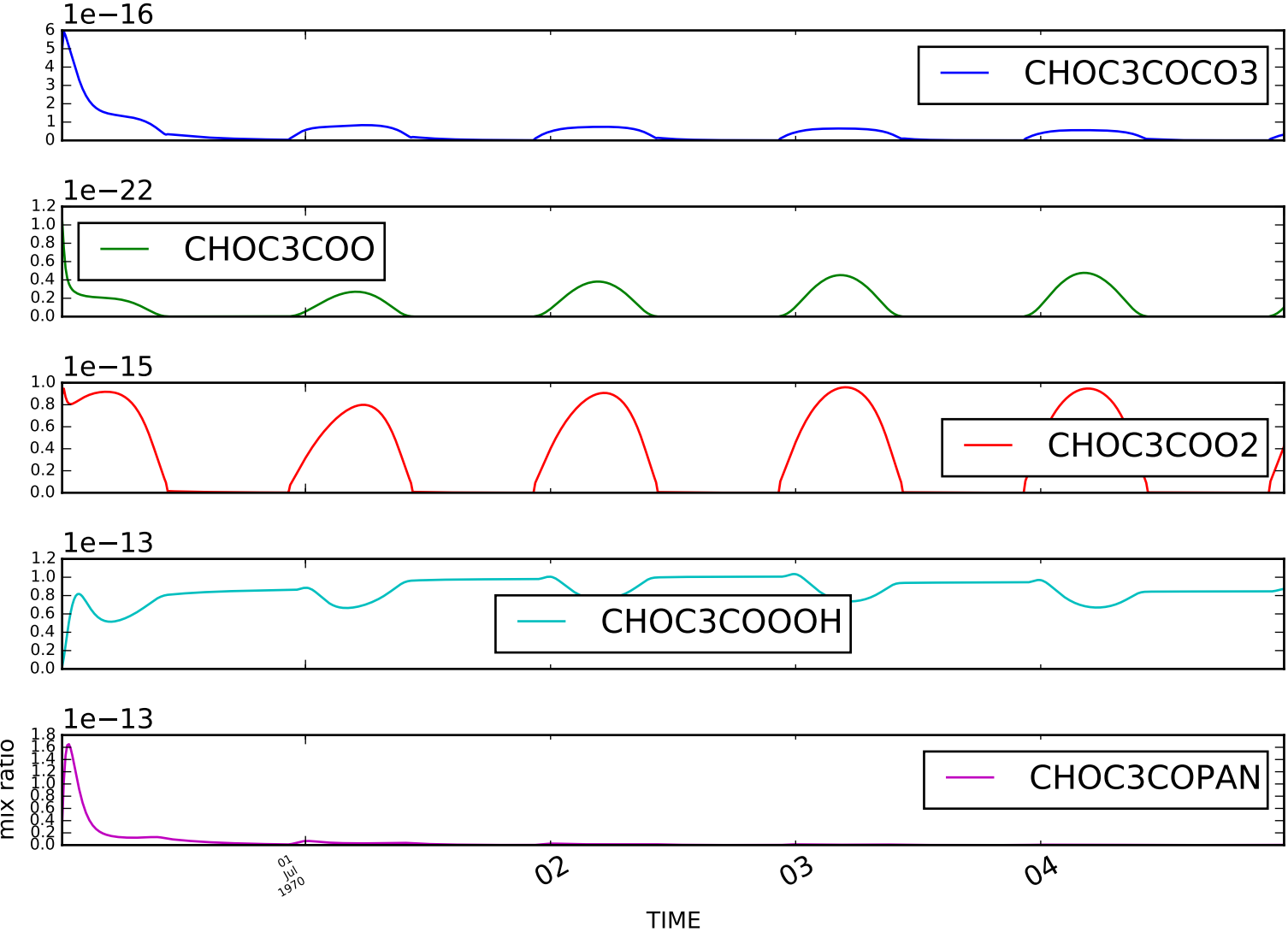

1e−13
C98OOH
1e−12
C9PAN2
1e−15
CH2CHCH2NO3
1e−21
CH2CHCH2O
1e−15
CH2CHCH2O2
mix ratio
01
Jul
1970
02
03
04
TIME

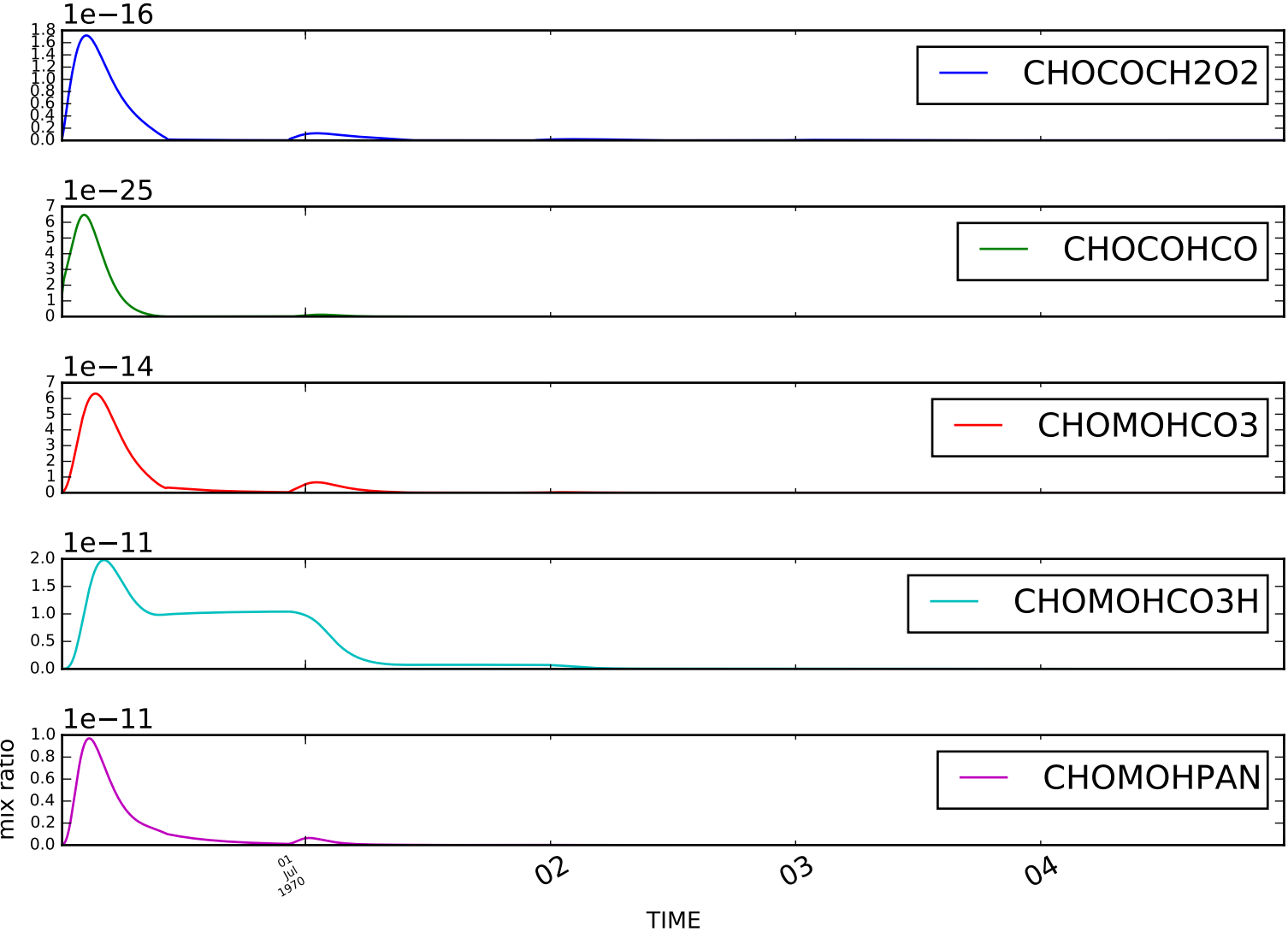

1e−15
CH2OO
1e−25
CH2OOA
1e−23
CH2OOB
1e−23
CH2OOC
1e−23
CH2OOF
mix ratio
01
Jul
1970
02
03
04
TIME

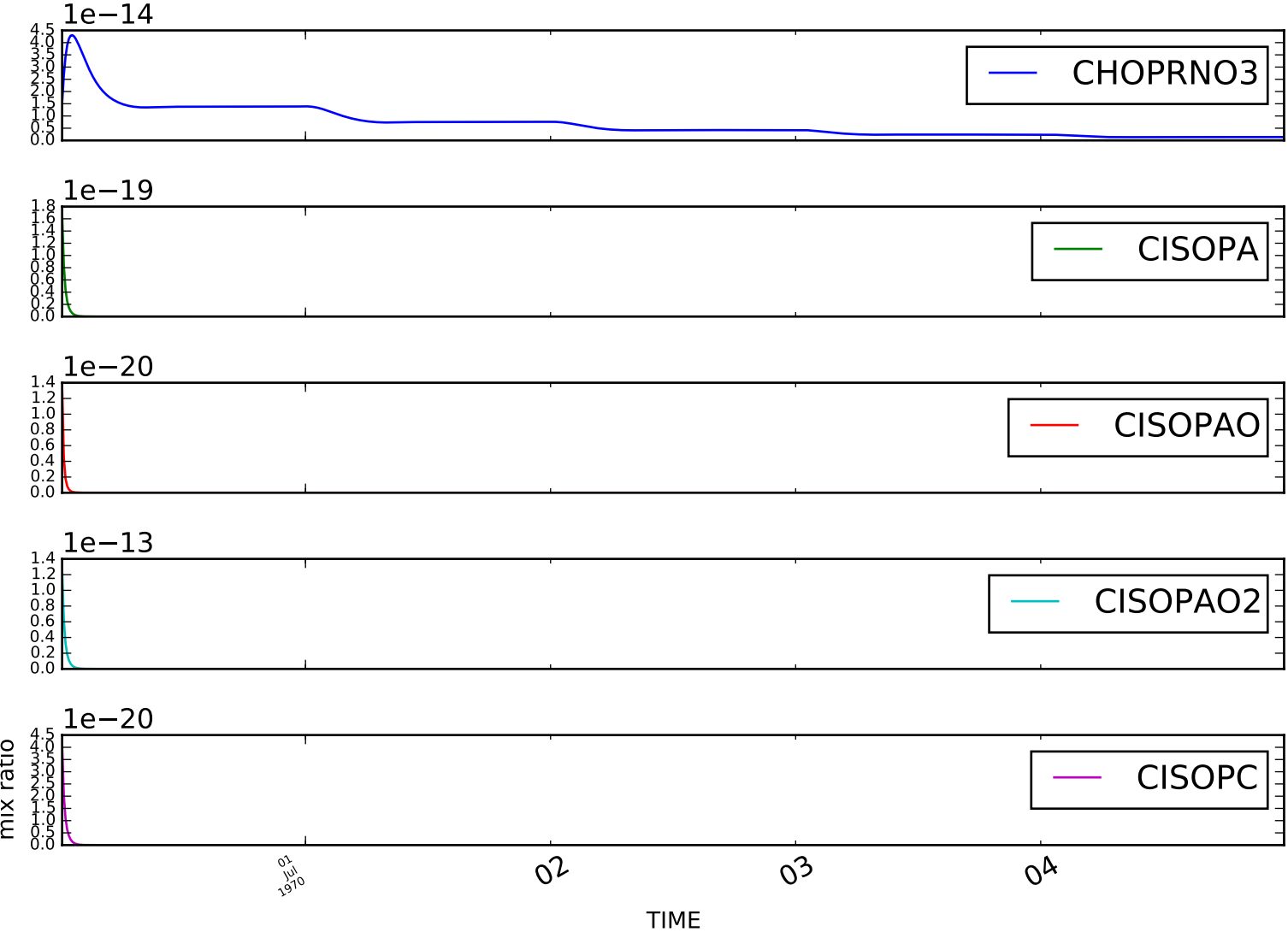

1e−11
CH3CHO
1e−12
CH3CHOHCHO
1e−15
CH3CHOHCO3
1e−10
CH3CO2H
1e−13
CH3CO3
mix ratio
01
Jul
1970
02
03
04
TIME

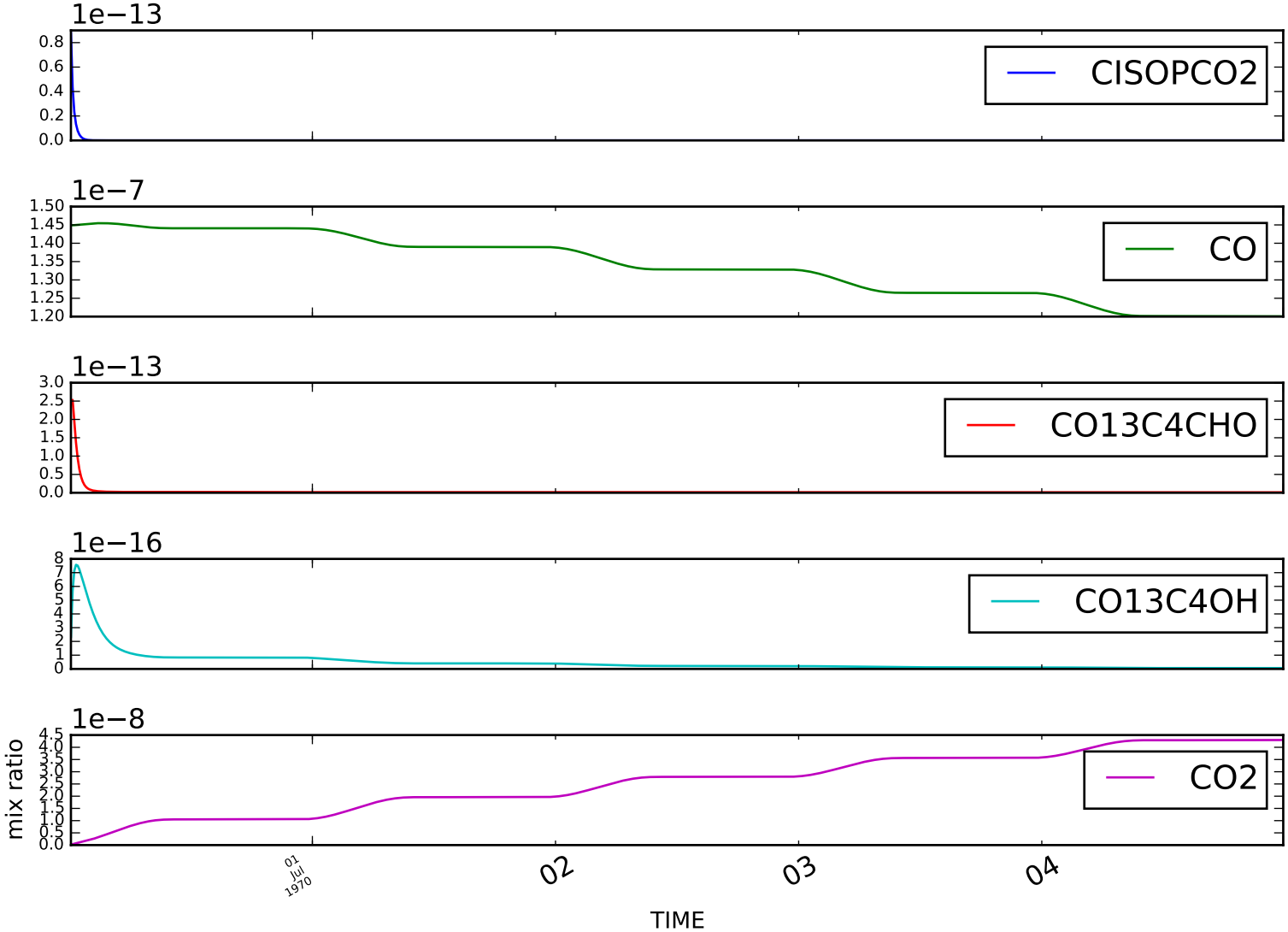

1e−21
CH3COCH2O
1e−14
CH3COCH2O2
1e−10
CH3COCH3
1e−14
CH3COCO2H
1e−17
CH3COCO3
mix ratio
01
Jul
1970
02
03
04
TIME

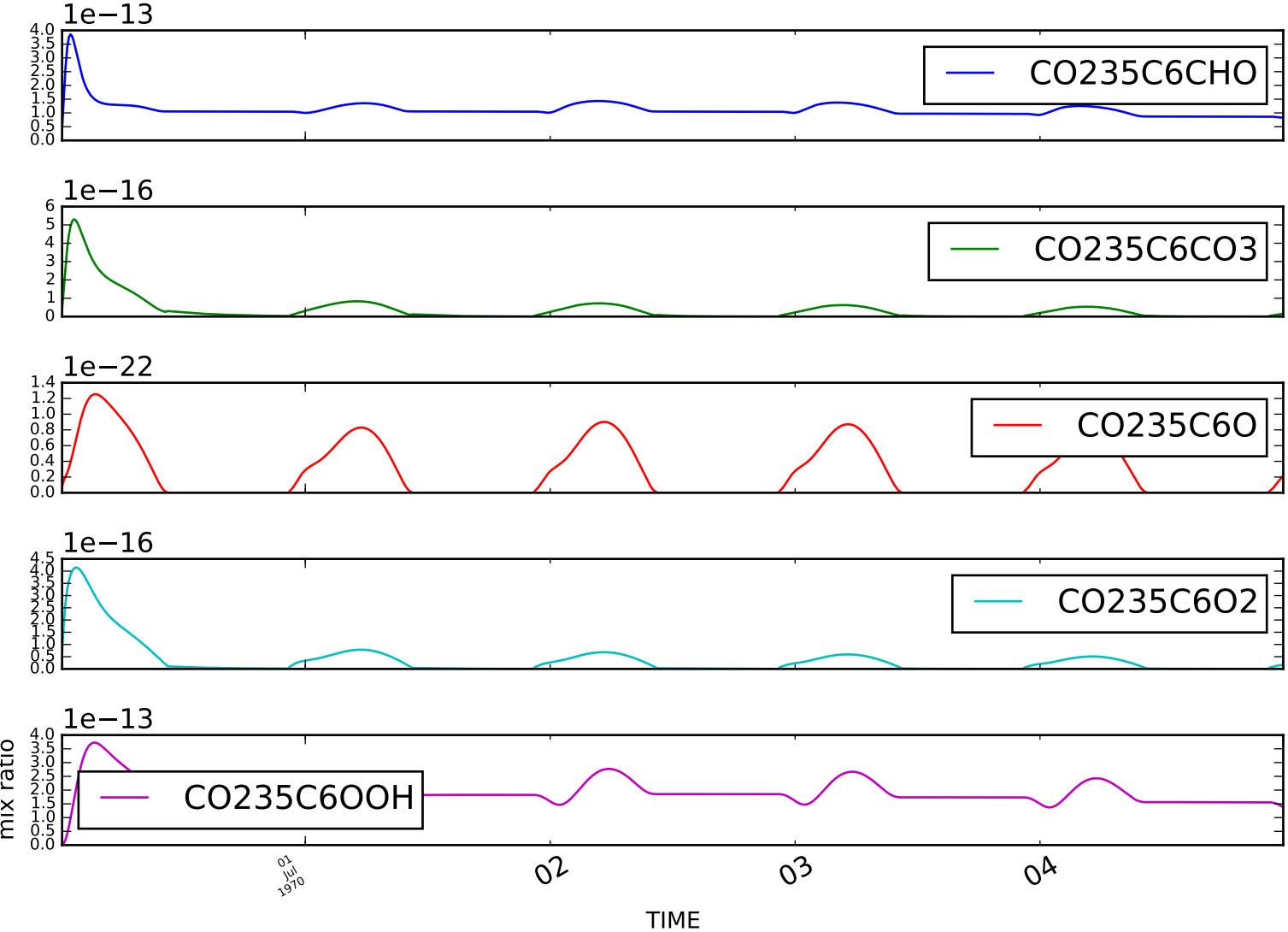

1e−15
CH3COPAN
1e−18
CH3O
1e−13
CH3O2
1e−14
CH3O2NO2
1e−13
CH3OH
mix ratio
01
Jul
1970
02
03
04
TIME

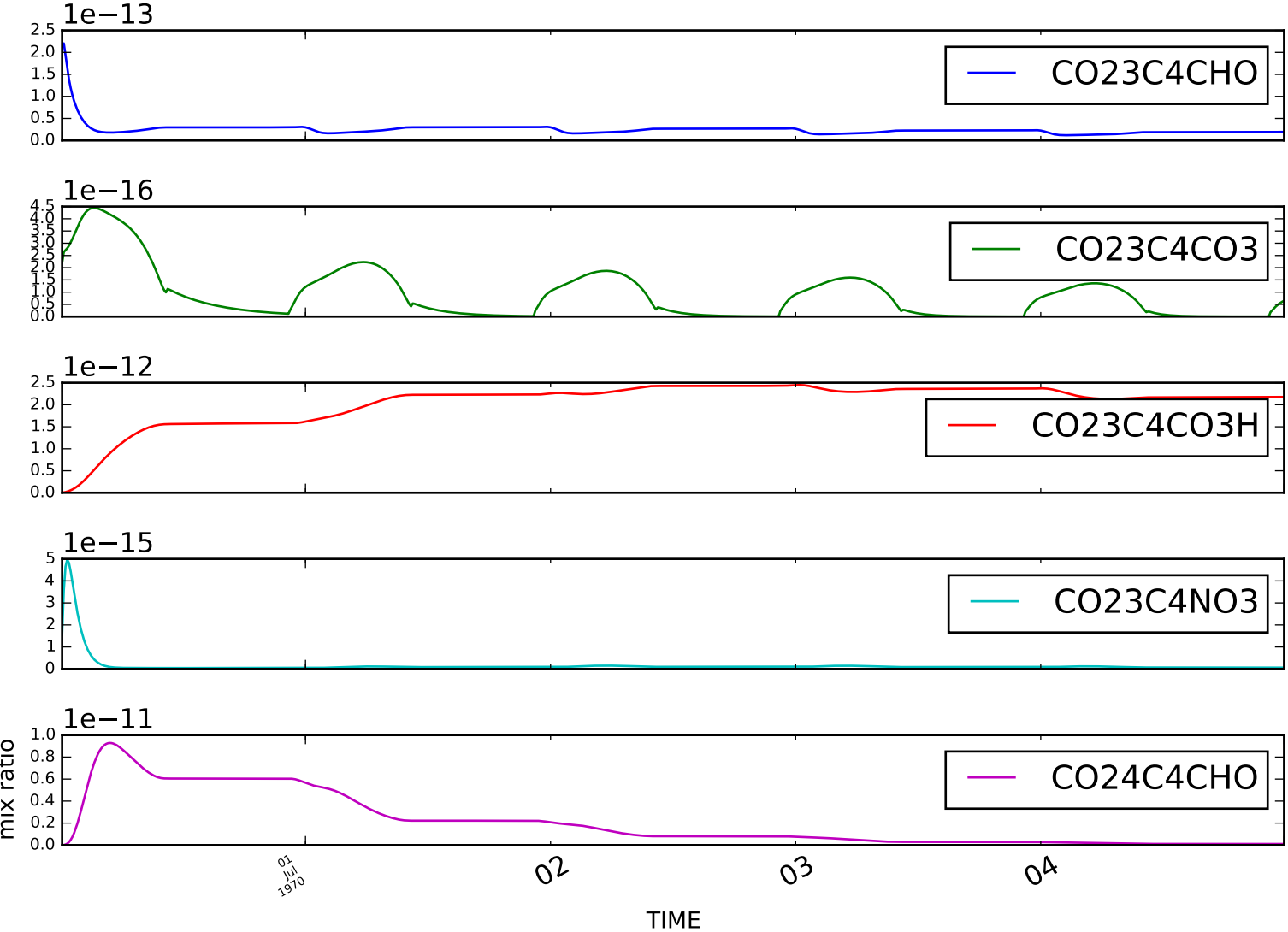

1e−16
CHOC3COCO3
1e−22
CHOC3COO
1e−15
CHOC3COO2
1e−13
CHOC3COOOH
1e−13
CHOC3COPAN
mix ratio
01
Jul
1970
02
03
04
TIME

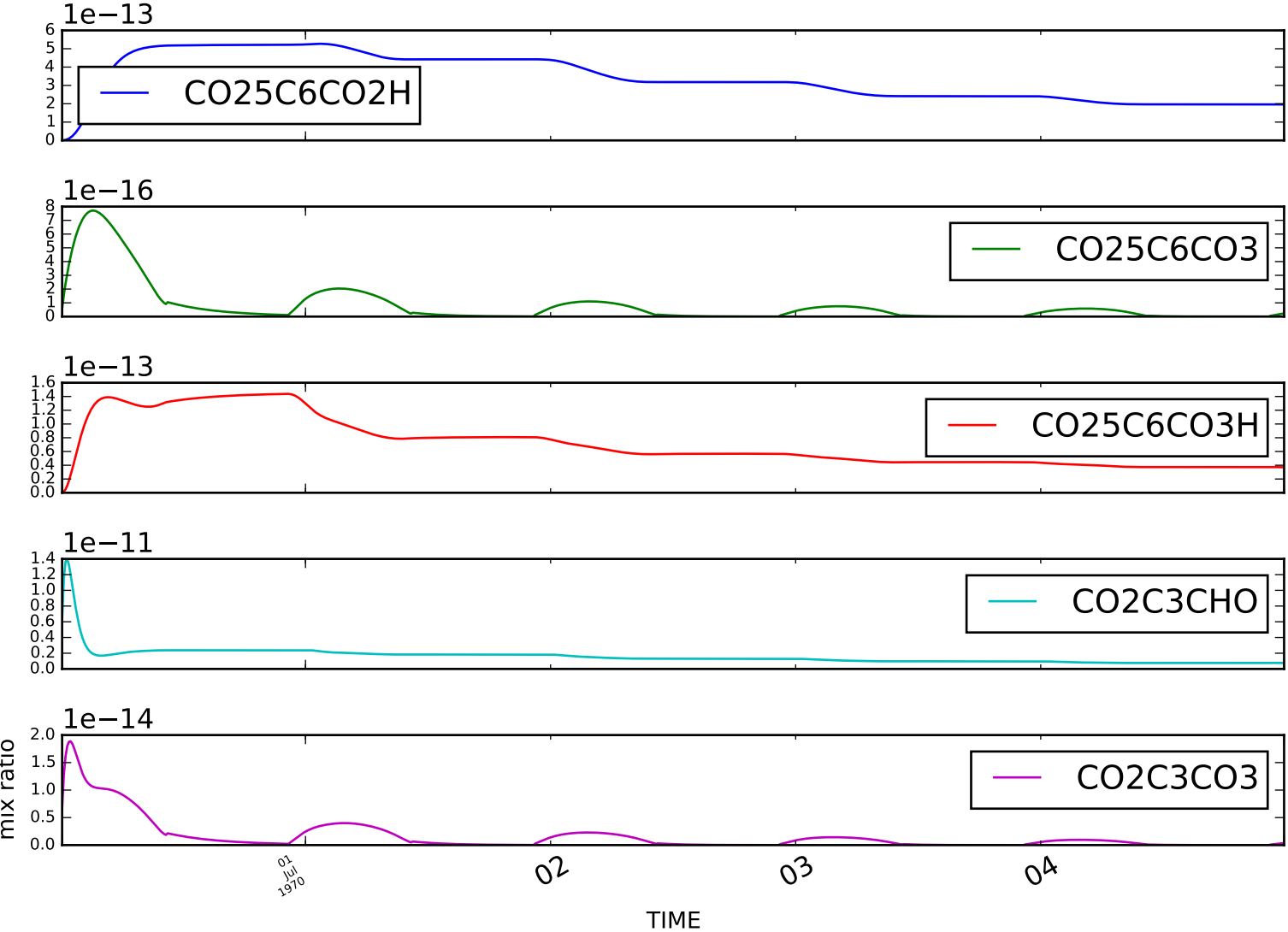

1e−16
CHOCOCH2O2
1e−25
CHOCOHCO
1e−14
CHOMOHCO3
1e−11
CHOMOHCO3H
1e−11
CHOMOHPAN
mix ratio
01
Jul
1970
02
03
04
TIME

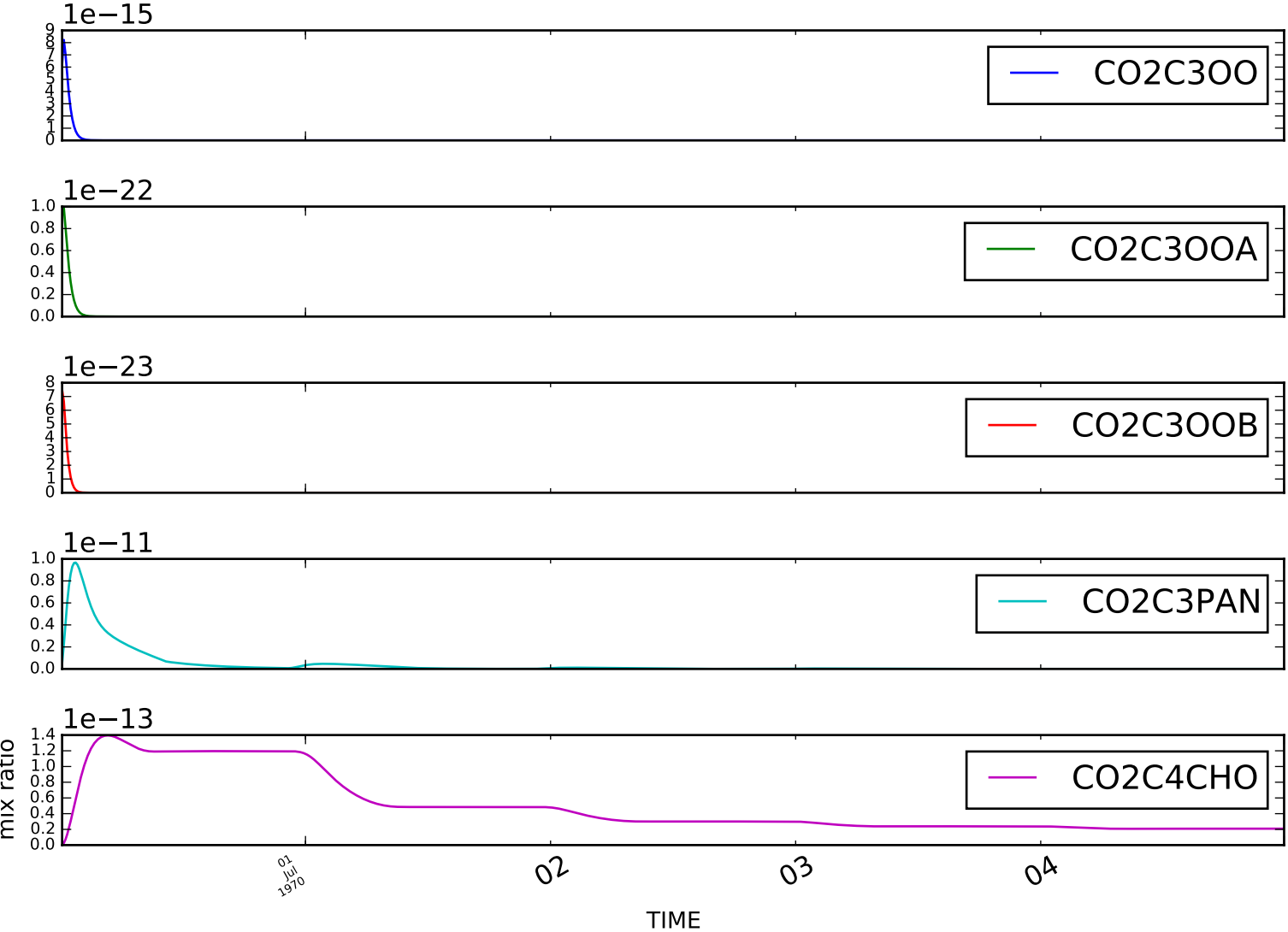

1e−14
CHOPRNO3
1e−19
CISOPA
1e−20
CISOPAO
1e−13
CISOPAO2
1e−20
CISOPC
mix ratio
01
Jul
1970
02
03
04
TIME

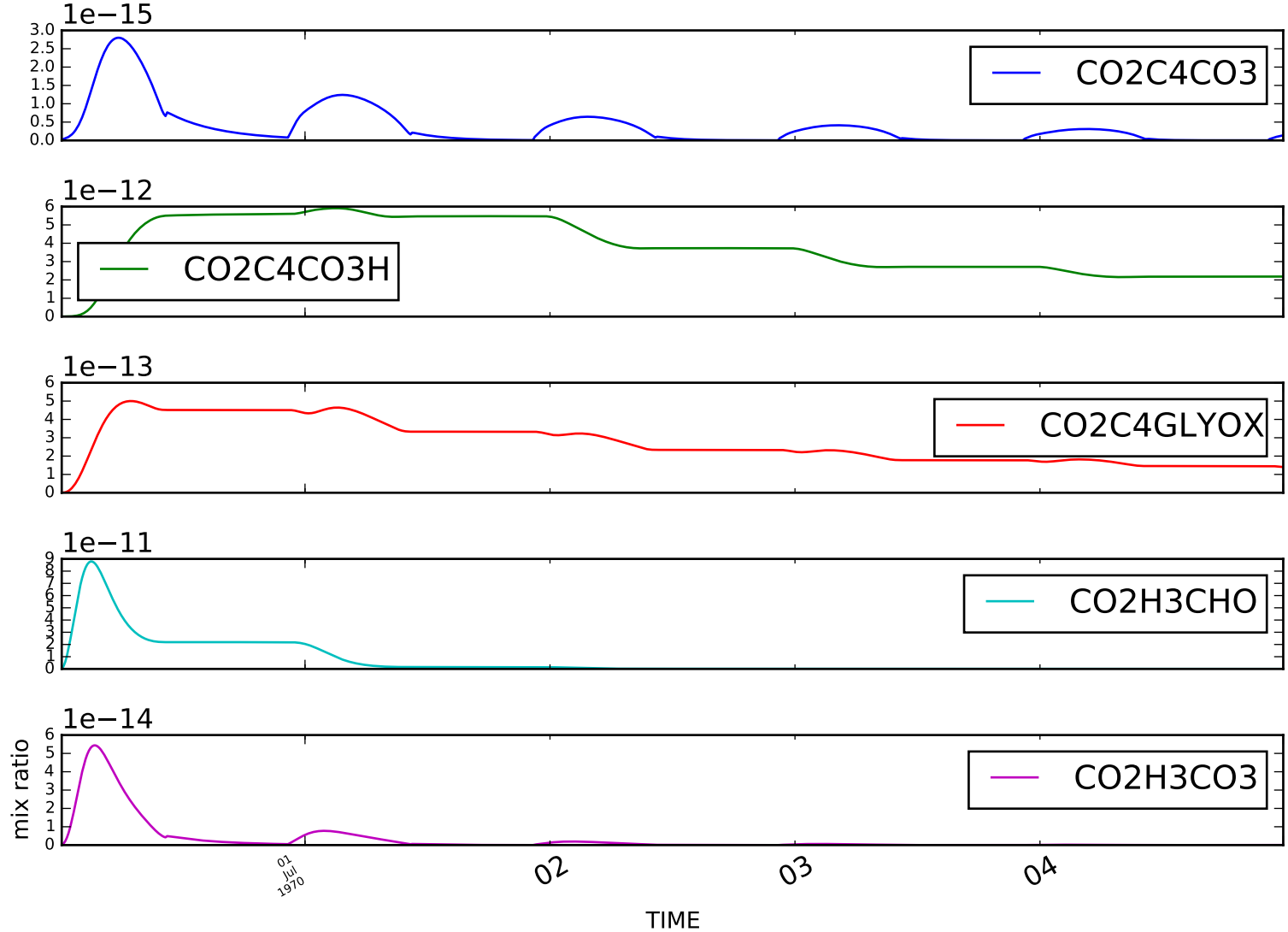

1e−13
0.8
0.6
0.4
0.2
0.0
CISOPCO2
1e−7
1.50
1.45
1.40
1.35
1.30
1.25
1.20
CO
1e−13
3.0
2.5
2.0
1.5
1.0
0.5
0.0
CO13C4CHO
1e−16
8
7
6
5
4
3
2
1
0
CO13C4OH
1e−8
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
CO2
mix ratio
01
Jul
1970
02
03
04
TIME

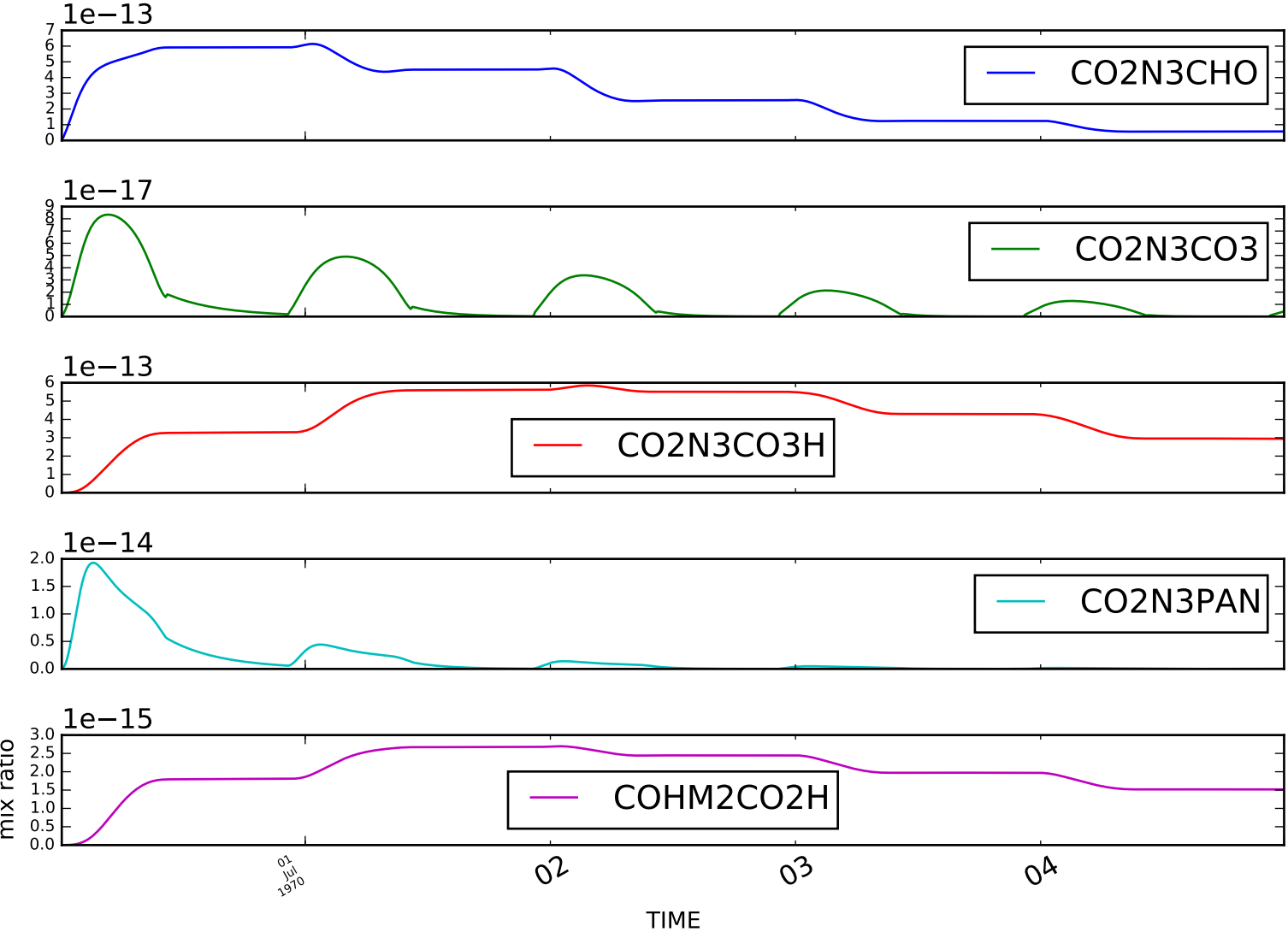

1e−13
CO235C6CHO
1e−16
CO235C6CO3
1e−22
CO235C6O
1e−16
CO235C6O2
1e−13
CO235C6OOH
mix ratio
01
Jul
1970
02
03
04
TIME

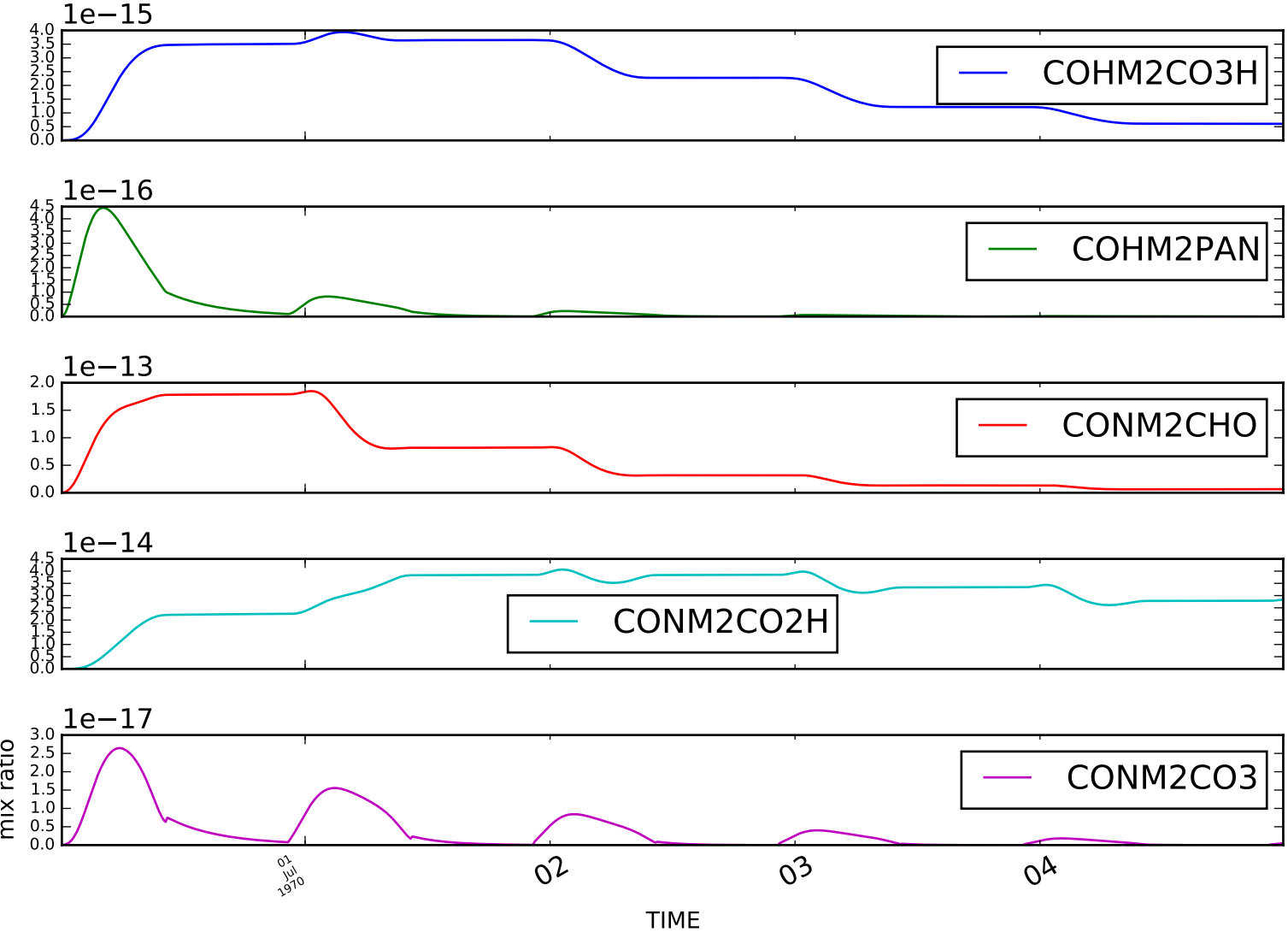

1e−13
CO23C4CHO
1e−16
CO23C4CO3
1e−12
CO23C4CO3H
1e−15
CO23C4NO3
1e−11
CO24C4CHO
mix ratio
01
Jul
1970
02
03
04
TIME

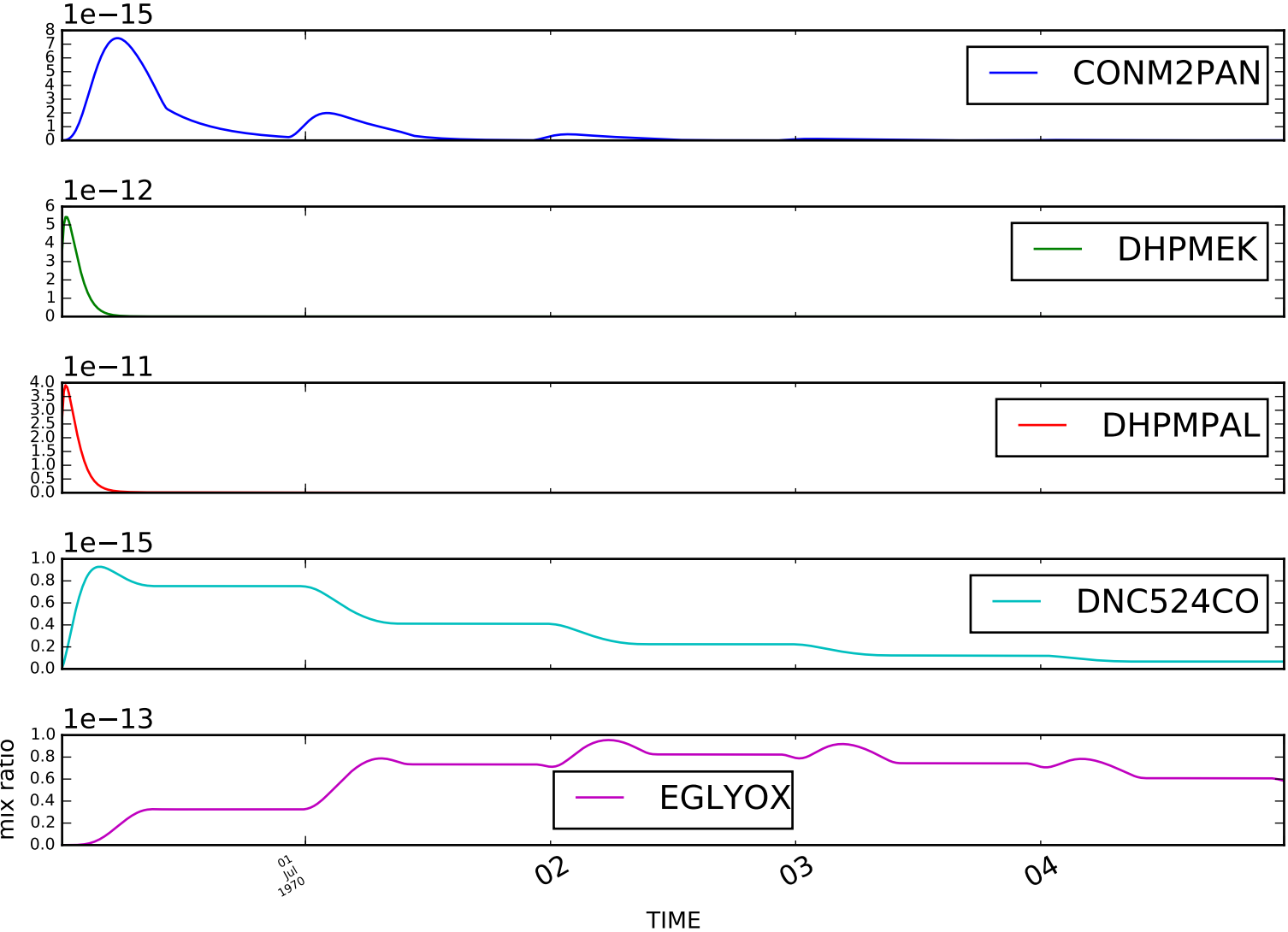

1e−13
CO25C6CO2H
1e−16
CO25C6CO3
1e−13
CO25C6CO3H
1e−11
CO2C3CHO
1e−14
CO2C3CO3
mix ratio
01
Jul
1970
02
03
04
TIME

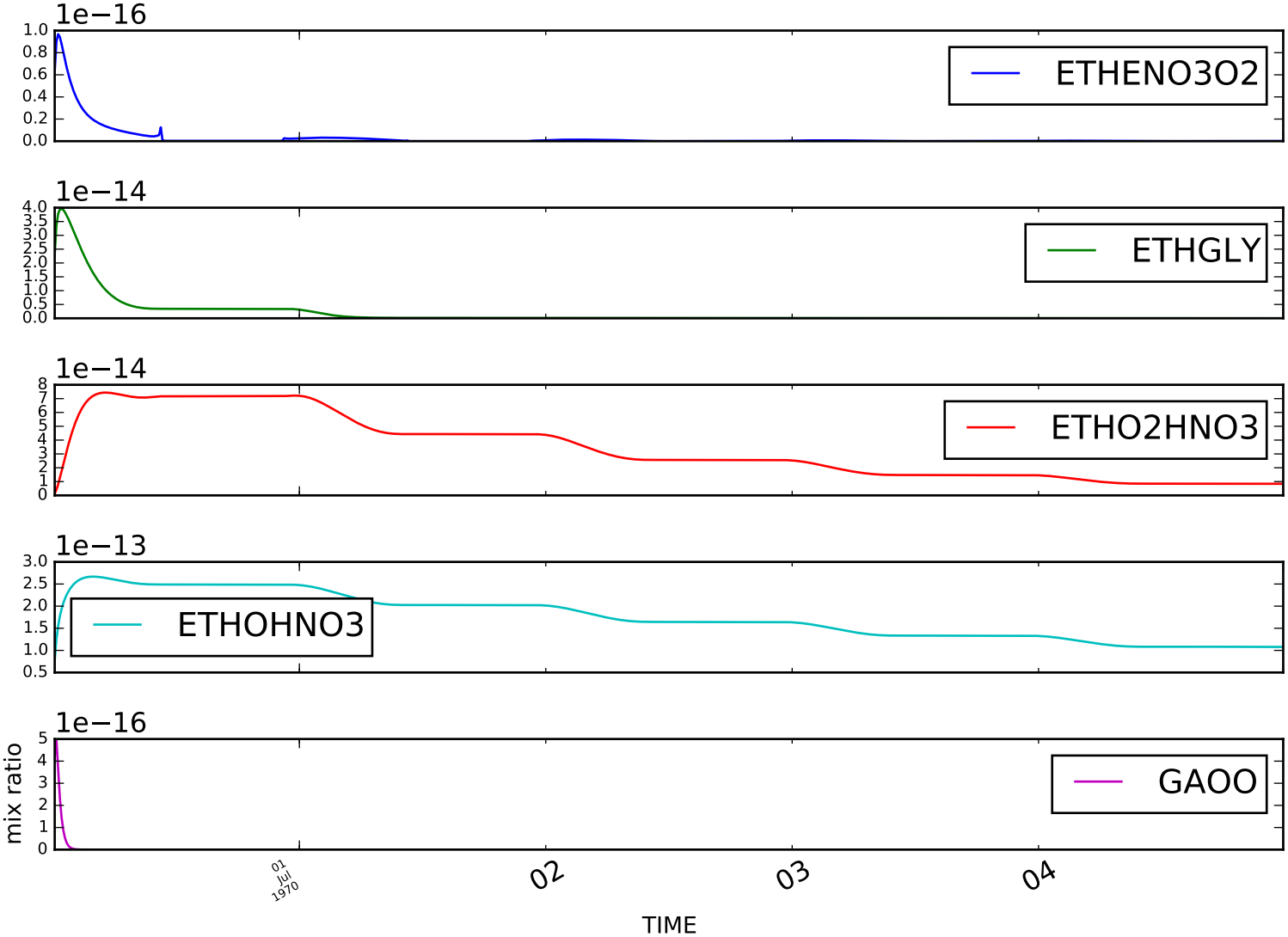

1e−15
CO2C3OO
1e−22
CO2C3OOA
1e−23
CO2C3OOB
1e−11
CO2C3PAN
1e−13
CO2C4CHO
mix ratio
01
Jul
1970
02
03
04
TIME

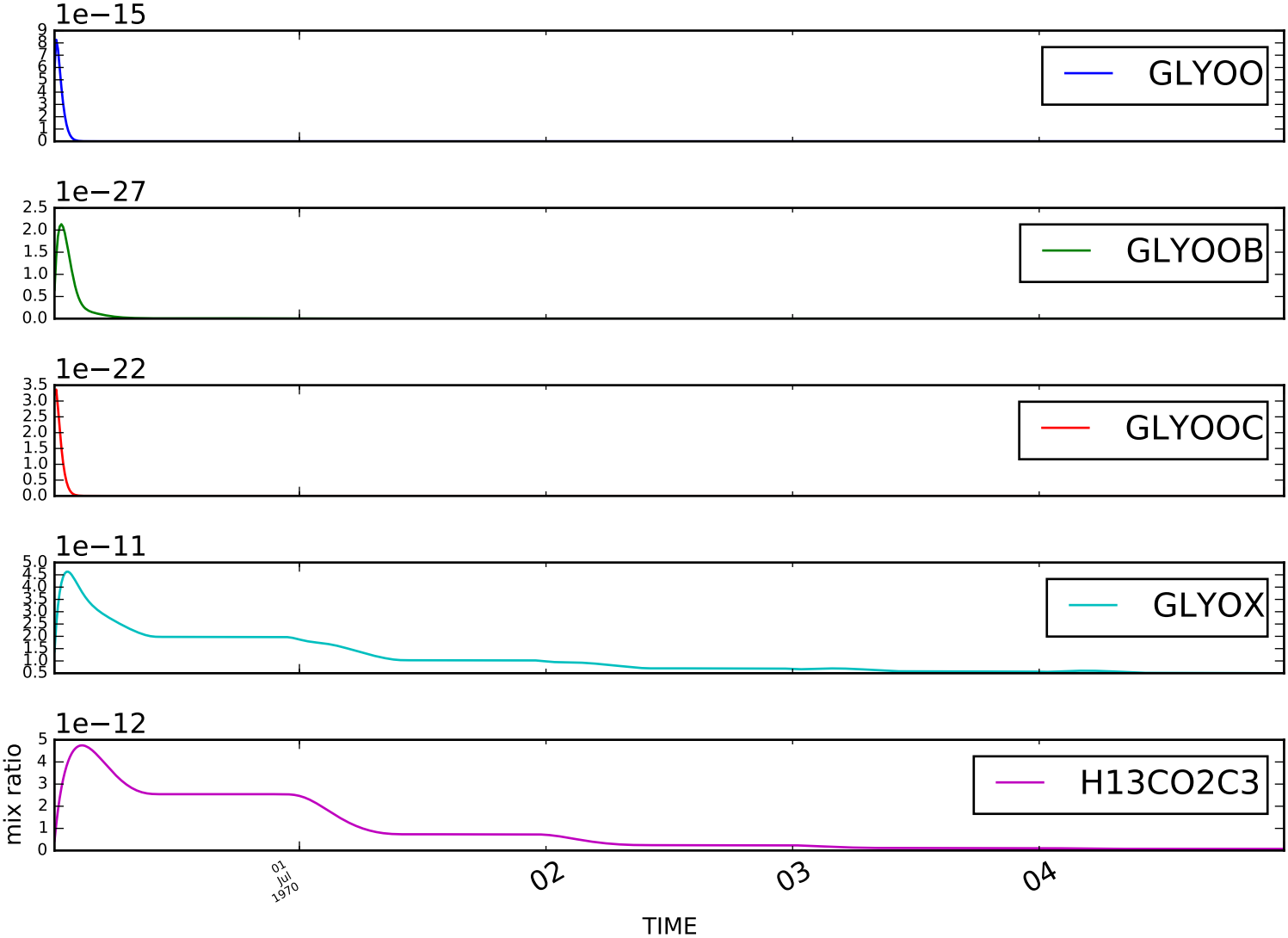

1e−15
CO2C4CO3
1e−12
CO2C4CO3H
1e−13
CO2C4GLYOX
1e−11
CO2H3CHO
1e−14
CO2H3CO3
mix ratio
01
Jul
1970
02
03
04
TIME

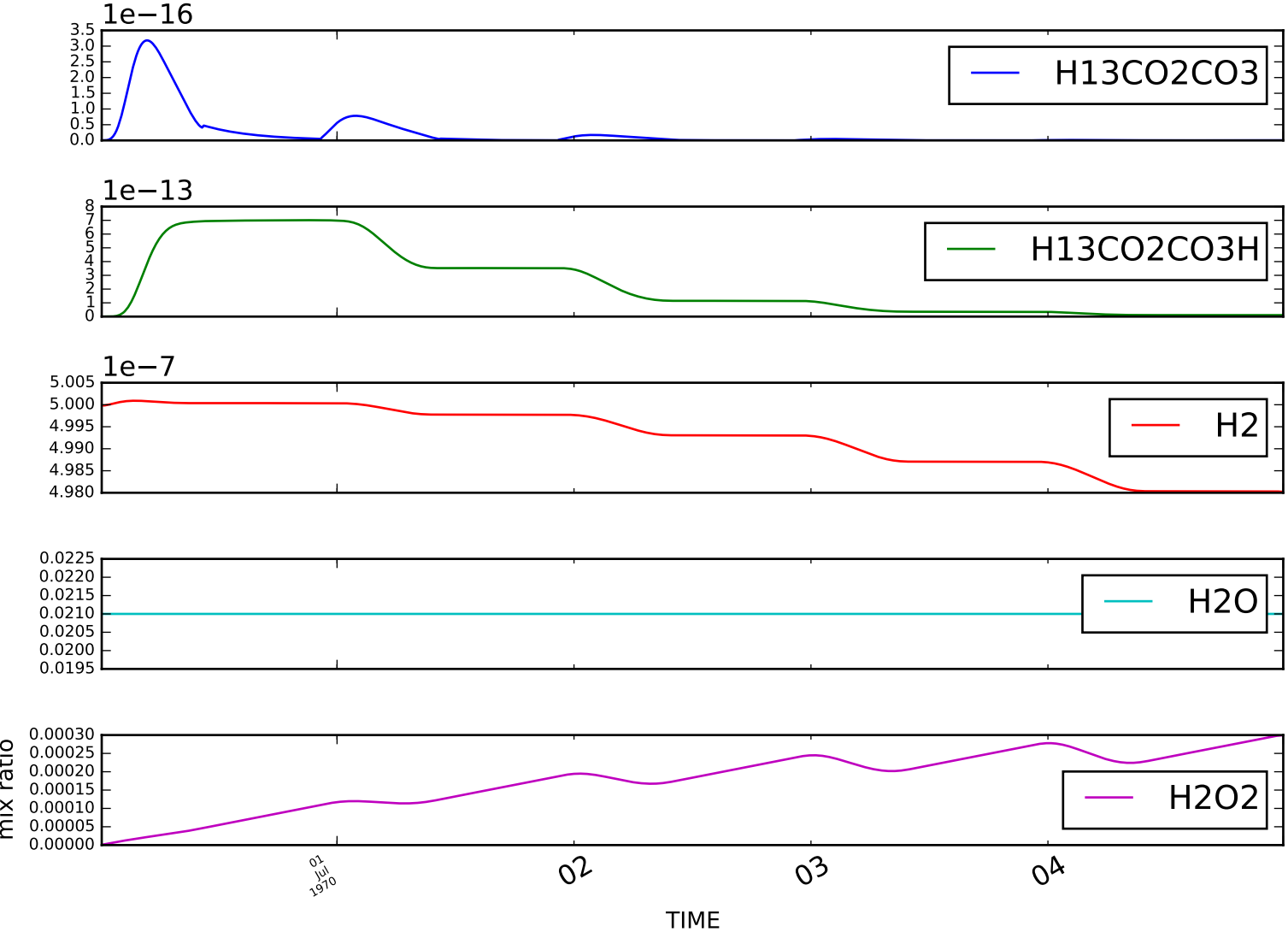

1e−13
CO2N3CHO
1e−17
CO2N3CO3
1e−13
CO2N3CO3H
1e−14
CO2N3PAN
1e−15
COHM2CO2H
mix ratio
01
Jul
1970
02
03
04
TIME

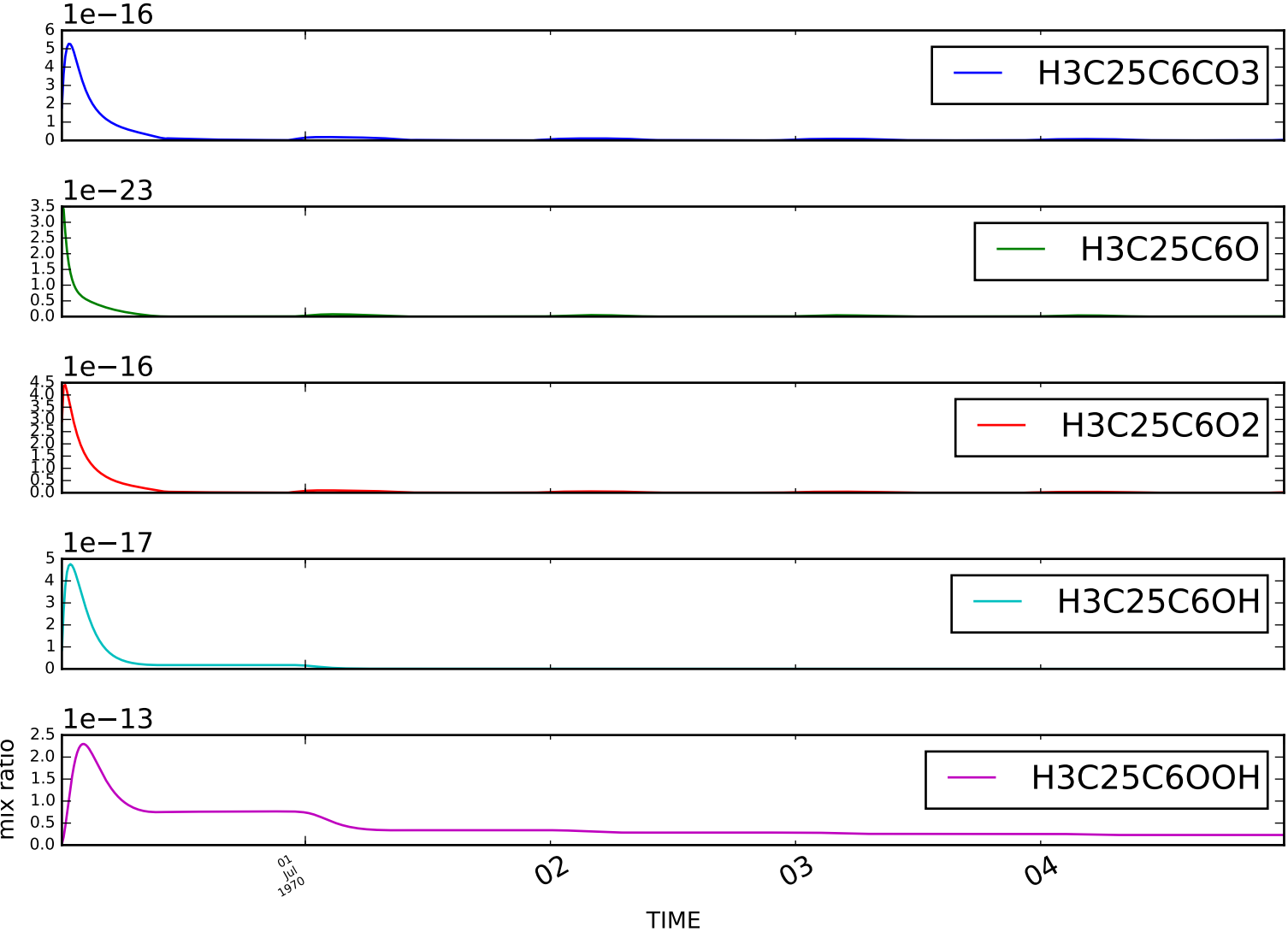

1e−15
COHM2CO3H
1e−16
COHM2PAN
1e−13
CONM2CHO
1e−14
CONM2CO2H
1e−17
CONM2CO3
mix ratio
01
Jul
1970
02
03
04
TIME


1e−15
CONM2PAN
1e−12
DHPMEK
1e−11
DHPMPAL
1e−15
DNC524CO
1e−13
EGLYOX
mix ratio
01
Jul
1970
02
03
04
TIME


1e−16
1.0
0.8
0.6
0.4
0.2
0.0
ETHENO3O2
1e−14
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
ETHGLY
1e−14
8
7
6
5
4
3
2
1
0
ETHO2HNO3
1e−13
3.0
2.5
2.0
1.5
1.0
0.5
ETHOHNO3
1e−16
5
4
3
2
1
0
mix ratio
GAOO
01
Jul
1970
02
03
04
TIME


1e−15
GLYOO
1e−27
GLYOOB
1e−22
GLYOOC
1e−11
GLYOX
1e−12
H13CO2C3
mix ratio
01
Jul
1970
02
03
04
TIME


1e−16
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
H13CO2CO3
1e−13
8
7
6
5
4
3
2
1
0
H13CO2CO3H
1e−7
5.005
5.000
4.995
4.990
4.985
4.980
H2
0.0225
0.0220
0.0215
0.0210
0.0205
0.0200
0.0195
H2O
0.00030
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
H2O2
mix ratio
01
Jul
1970
02
03
04
TIME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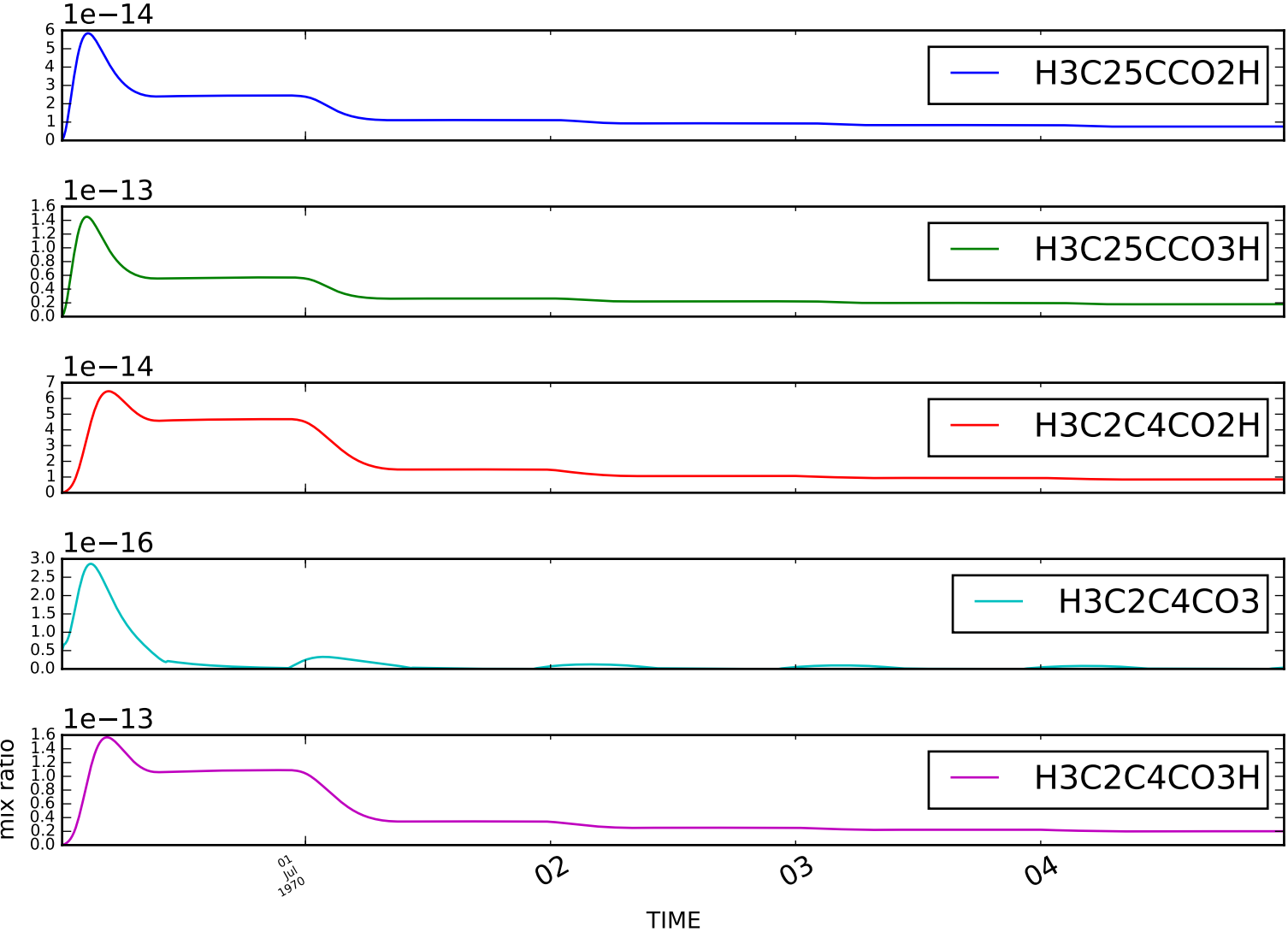
H3C25C6CO3
1e−23
H3C25C6O
1e−16
H3C25C6O2
1e−17
H3C25C6OH
1e−13
H3C25C6OOH
mix ratio
01
Jul
1970
02
03
04
TIME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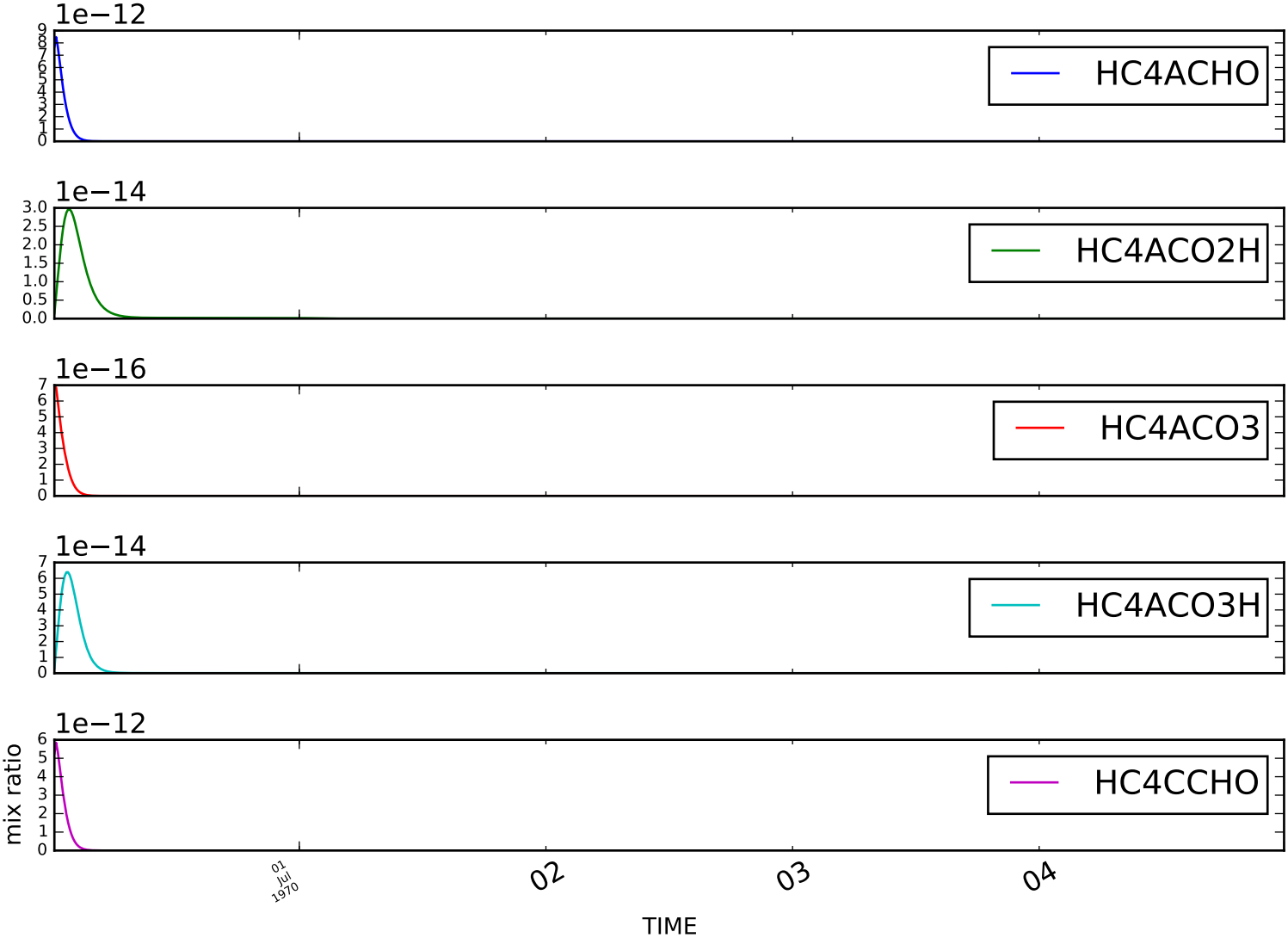
H3C25CCO2H
1e−13
H3C25CCO3H
1e−14
H3C2C4CO2H
1e−16
H3C2C4CO3
1e−13
H3C2C4CO3H
mix ratio
01
Jul
1970
02
03
04
TIME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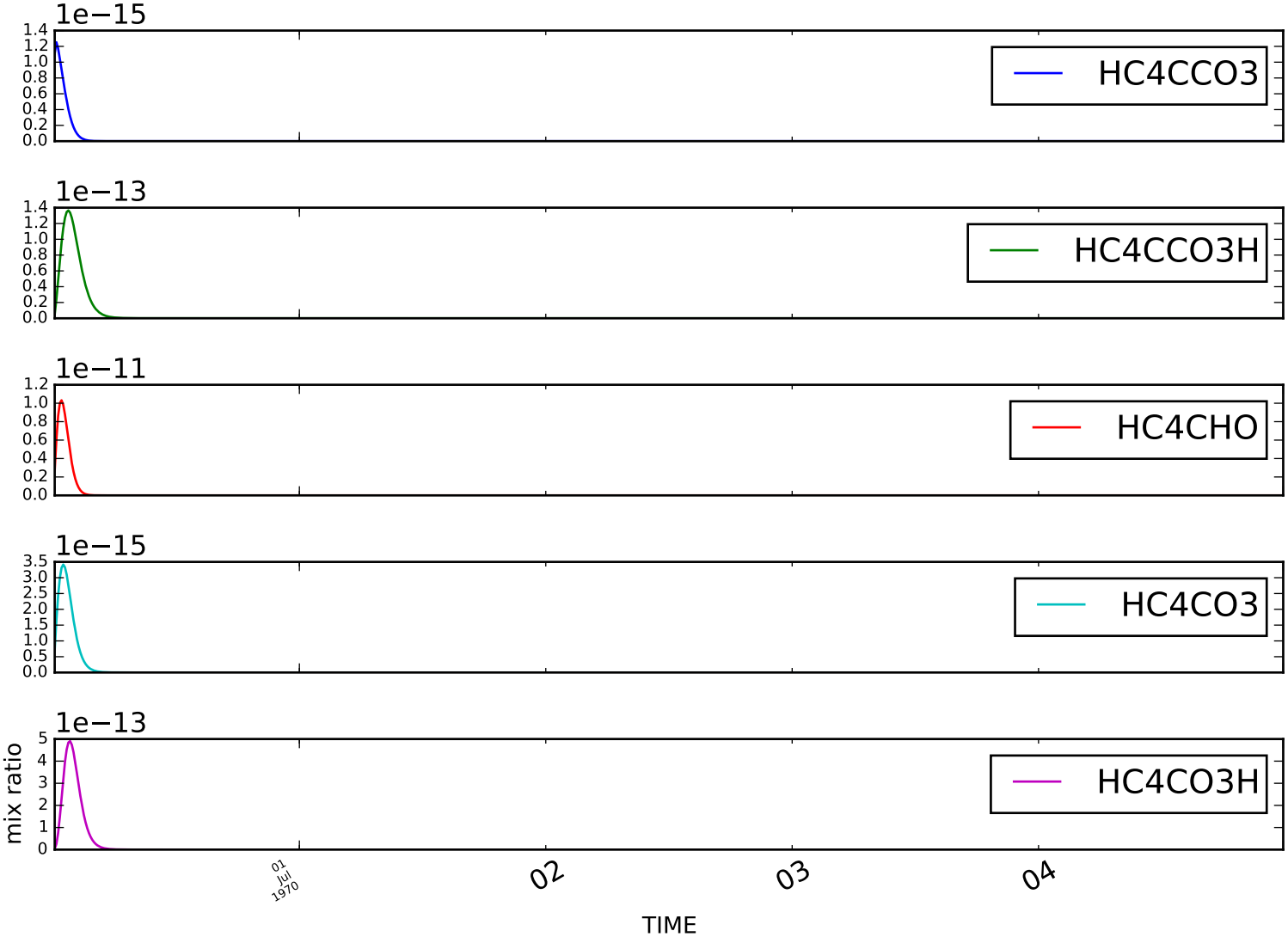
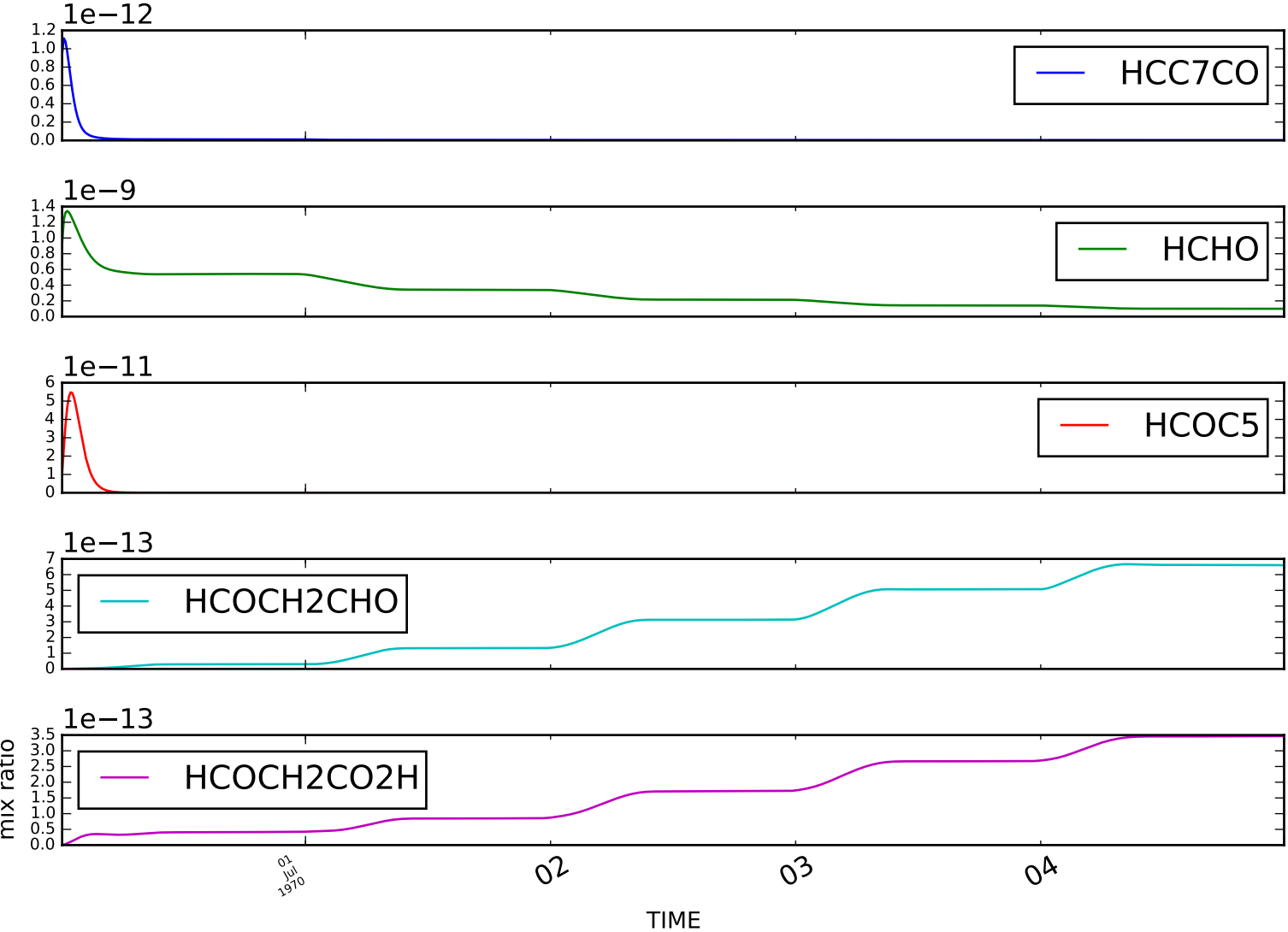
HC4ACHO
1e−14
HC4ACO2H
1e−16
HC4ACO3
1e−14
HC4ACO3H
1e−12
HC4CCHO
mix ratio
01
Jul
1970
02
03
04
TIME


1e−15
HC4CCO3
1e−13
HC4CCO3H
1e−11
HC4CHO
1e−15
HC4CO3
1e−13
HC4CO3H
mix ratio
01
Jul
1970
02
03
04
TIME


1e−12
HCC7CO
1e−9
HCHO
1e−11
HCOC5
1e−13
HCOCH2CHO
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HCOCH2CO2H
mix ratio
01
Jul
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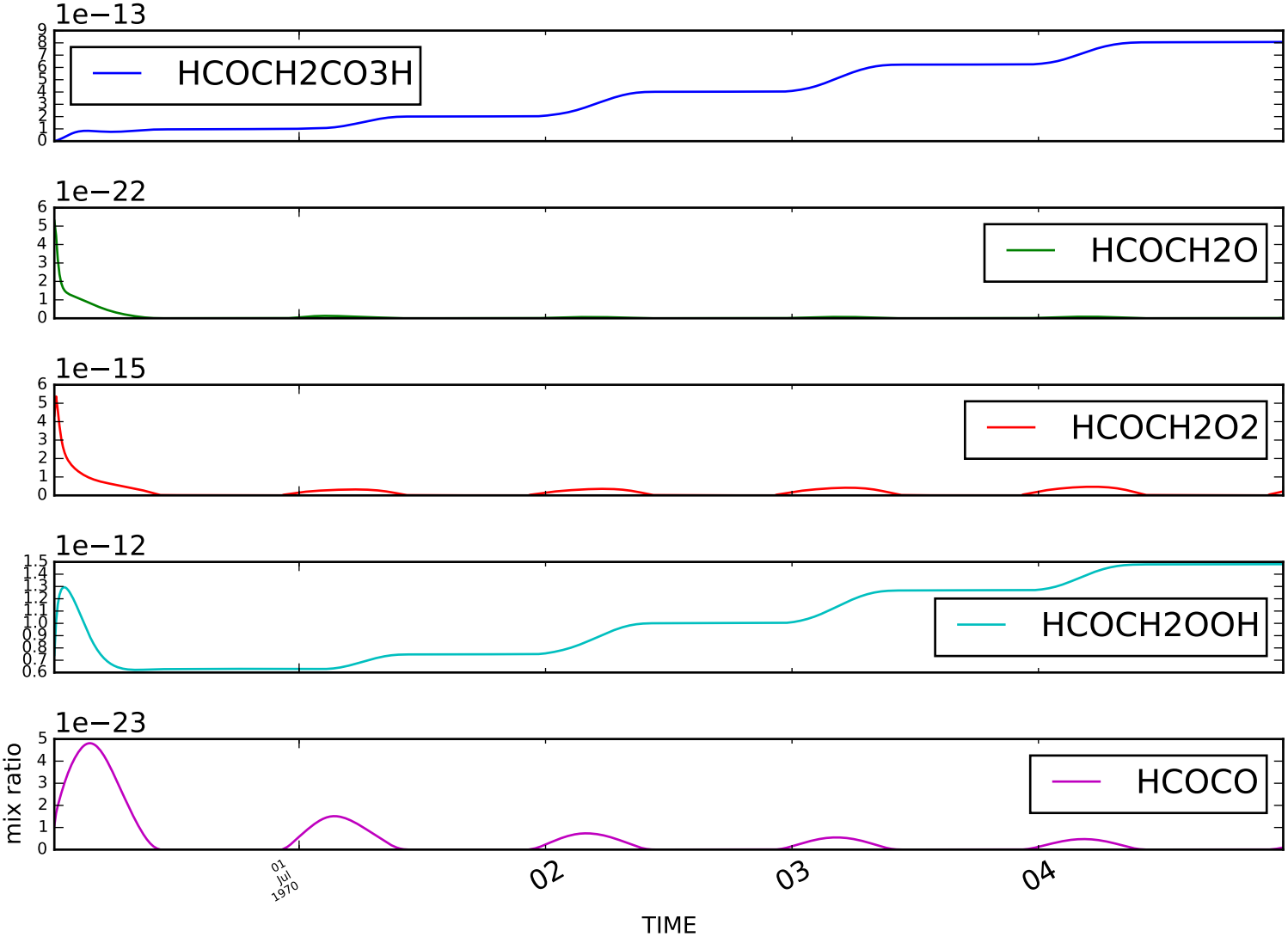
02
03
04
TIME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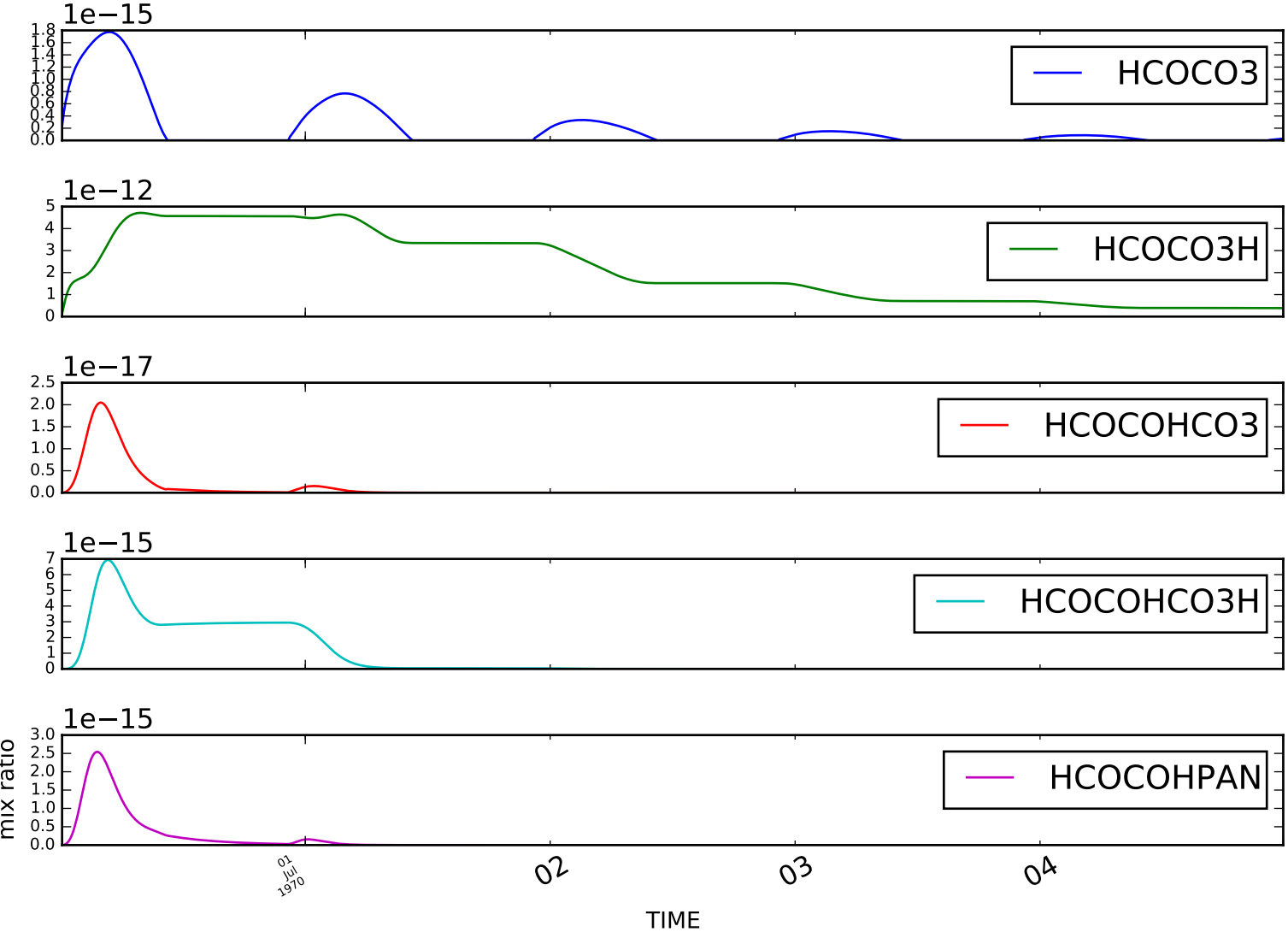
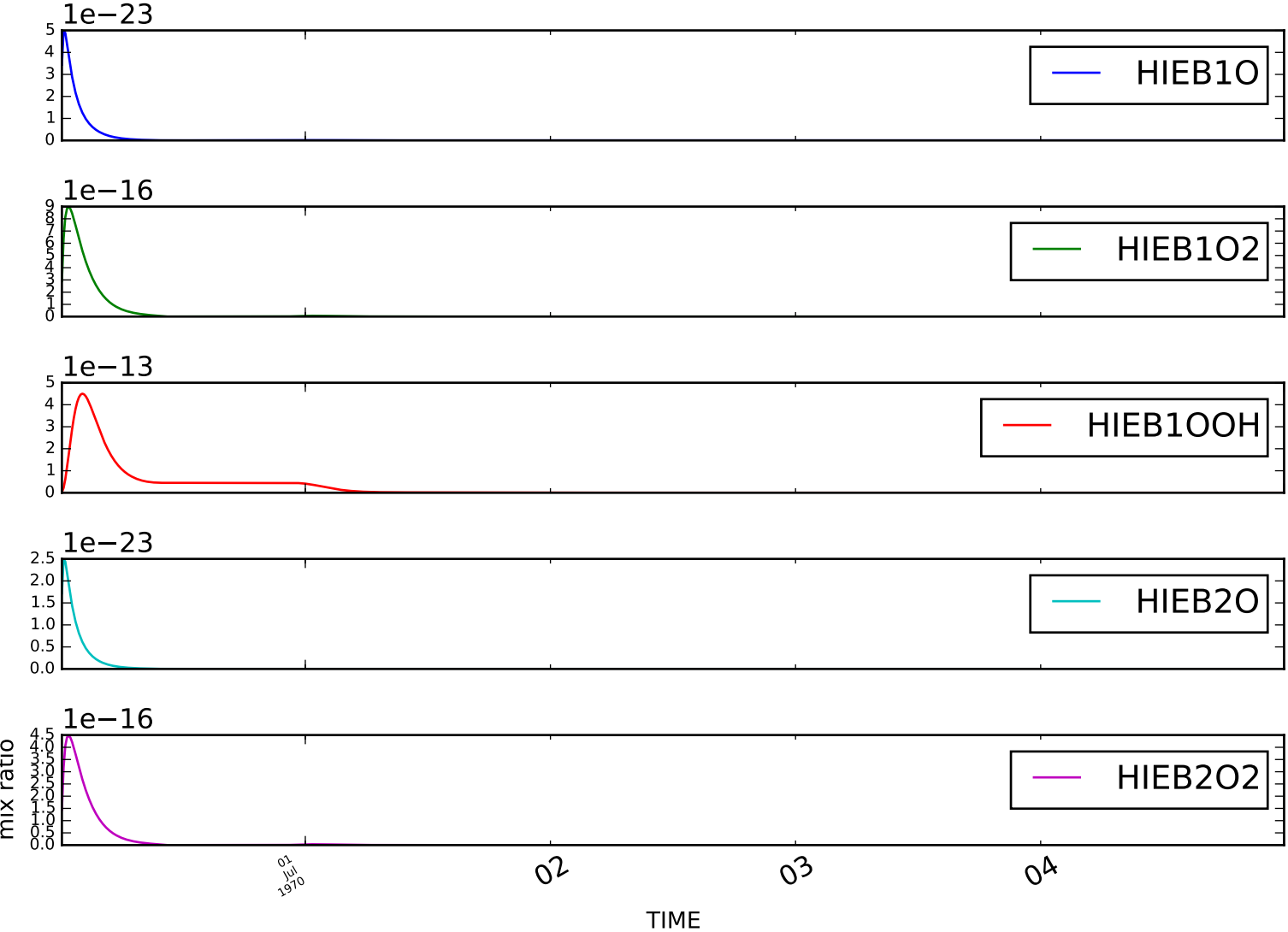
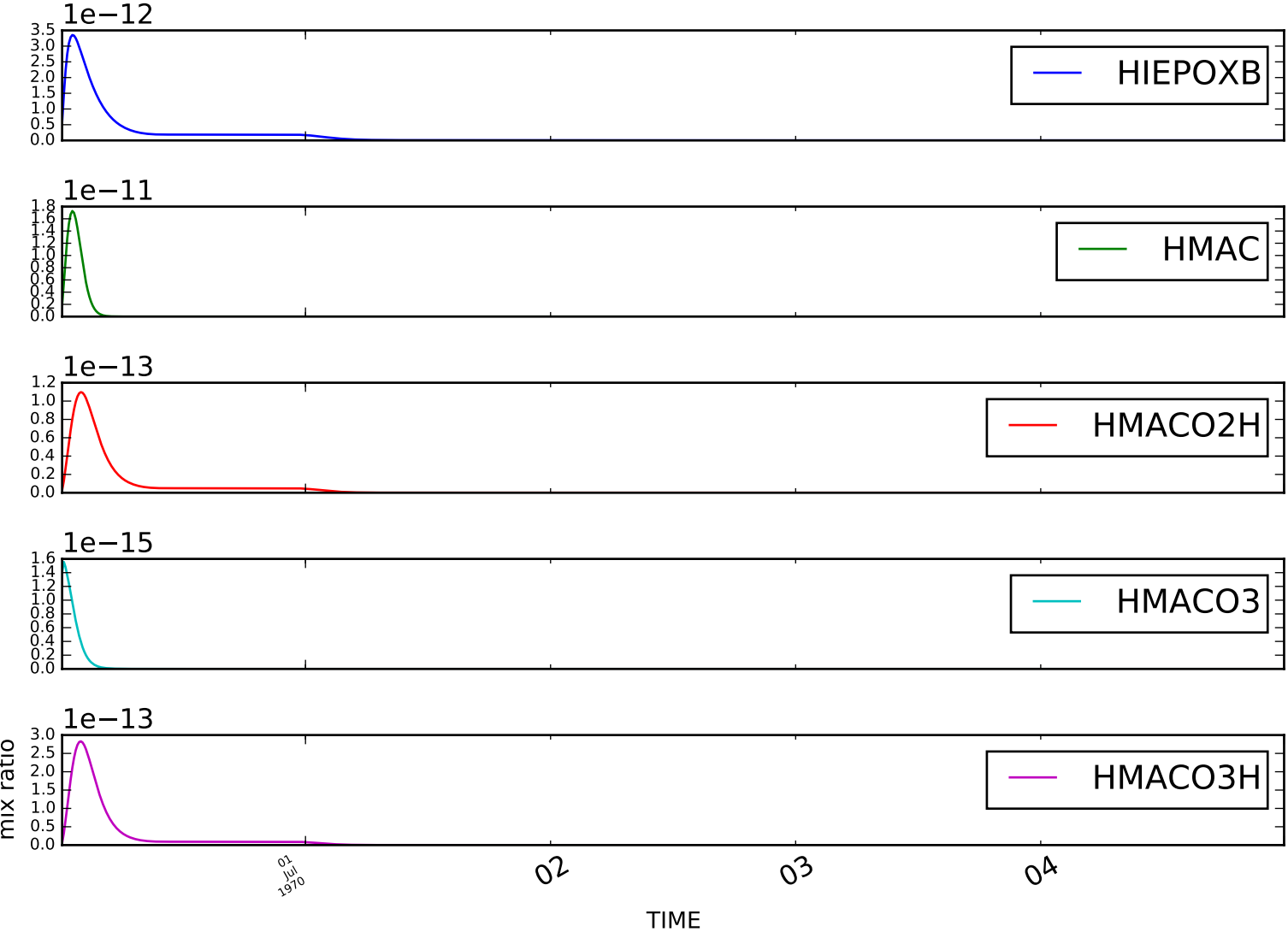
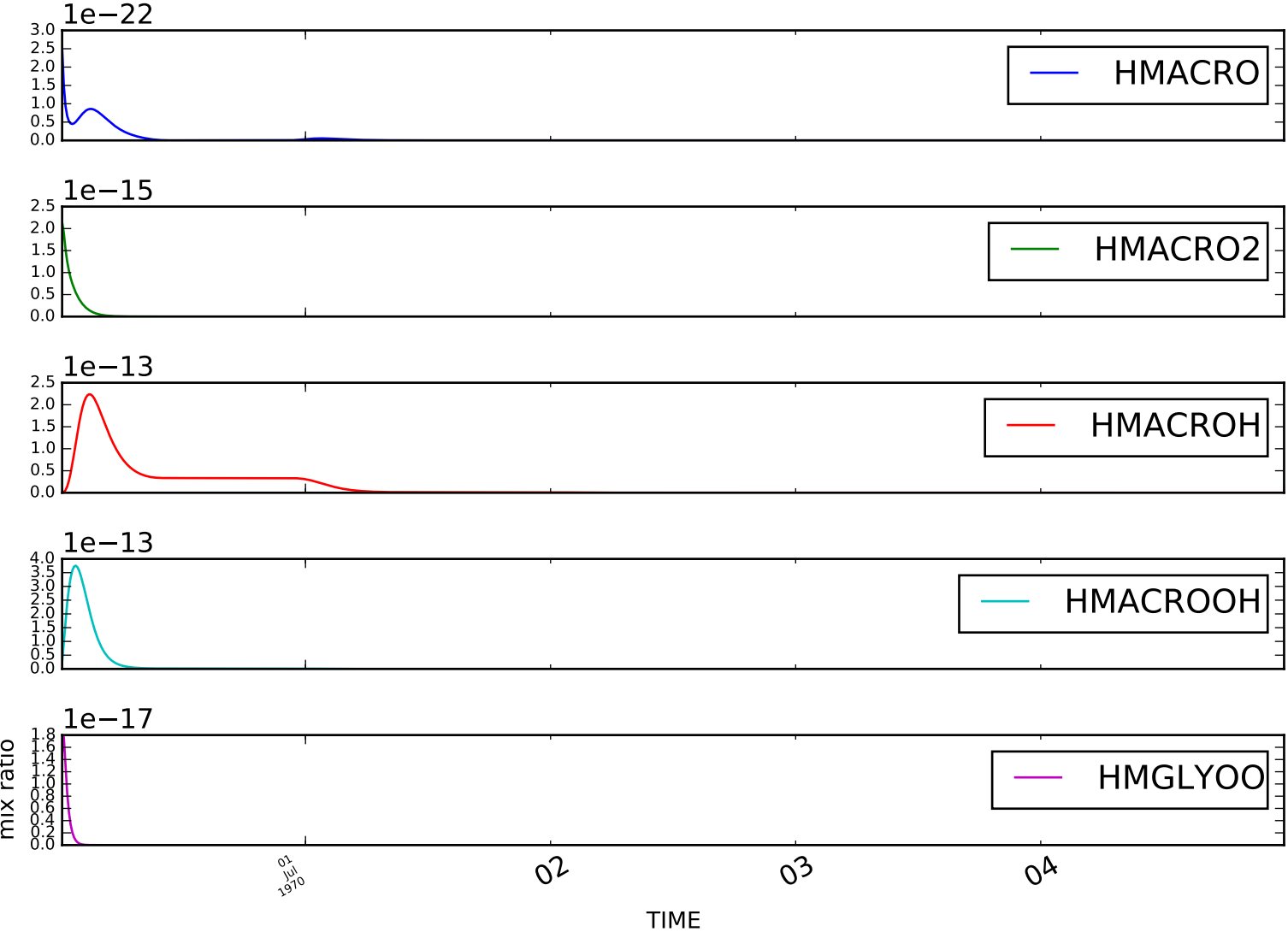
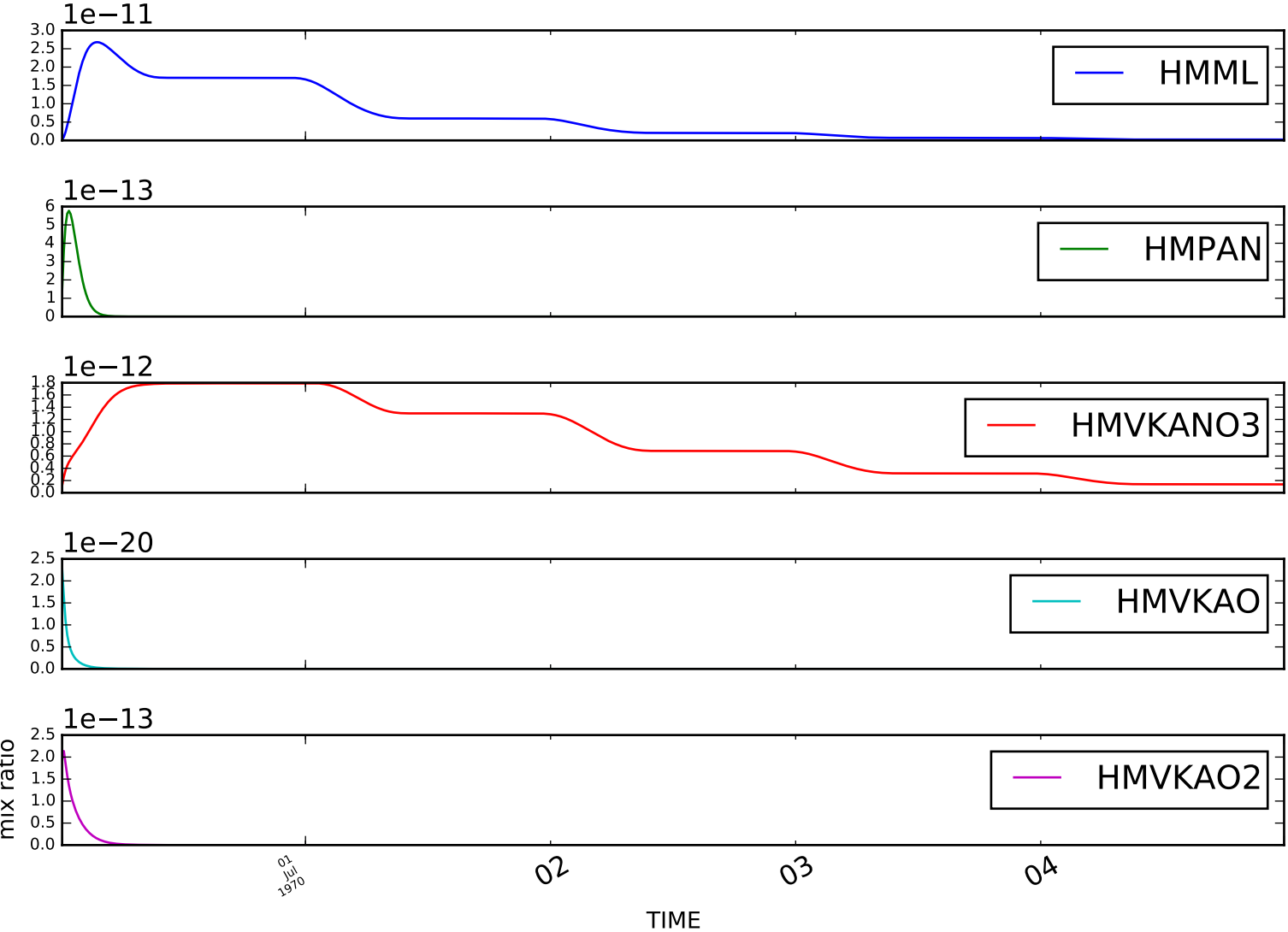
HCOCH2CO3H
1e−22
HCOCH2O
1e−15
HCOCH2O2
1e−12
HCOCH2OOH
1e−23
HCOCO
mix ratio
01
Jul
1970
02
03
04
TIME

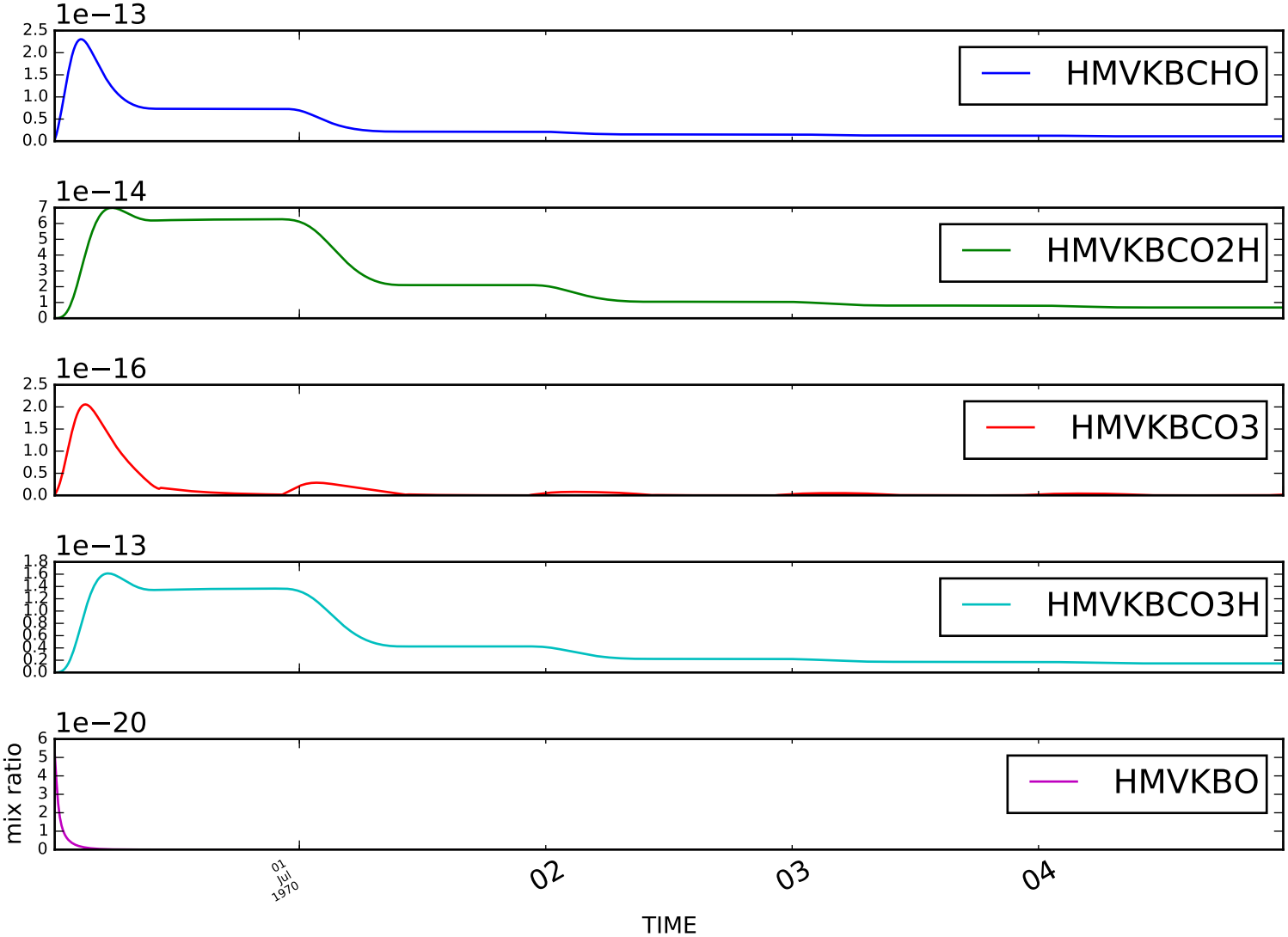

1e−15
HCOCO3
1e−12
HCOCO3H
1e−17
HCOCOHCO3
1e−15
HCOCOHCO3H
1e−15
HCOCOHPAN
mix ratio
01
Jul
1970
02
03
04
TIME

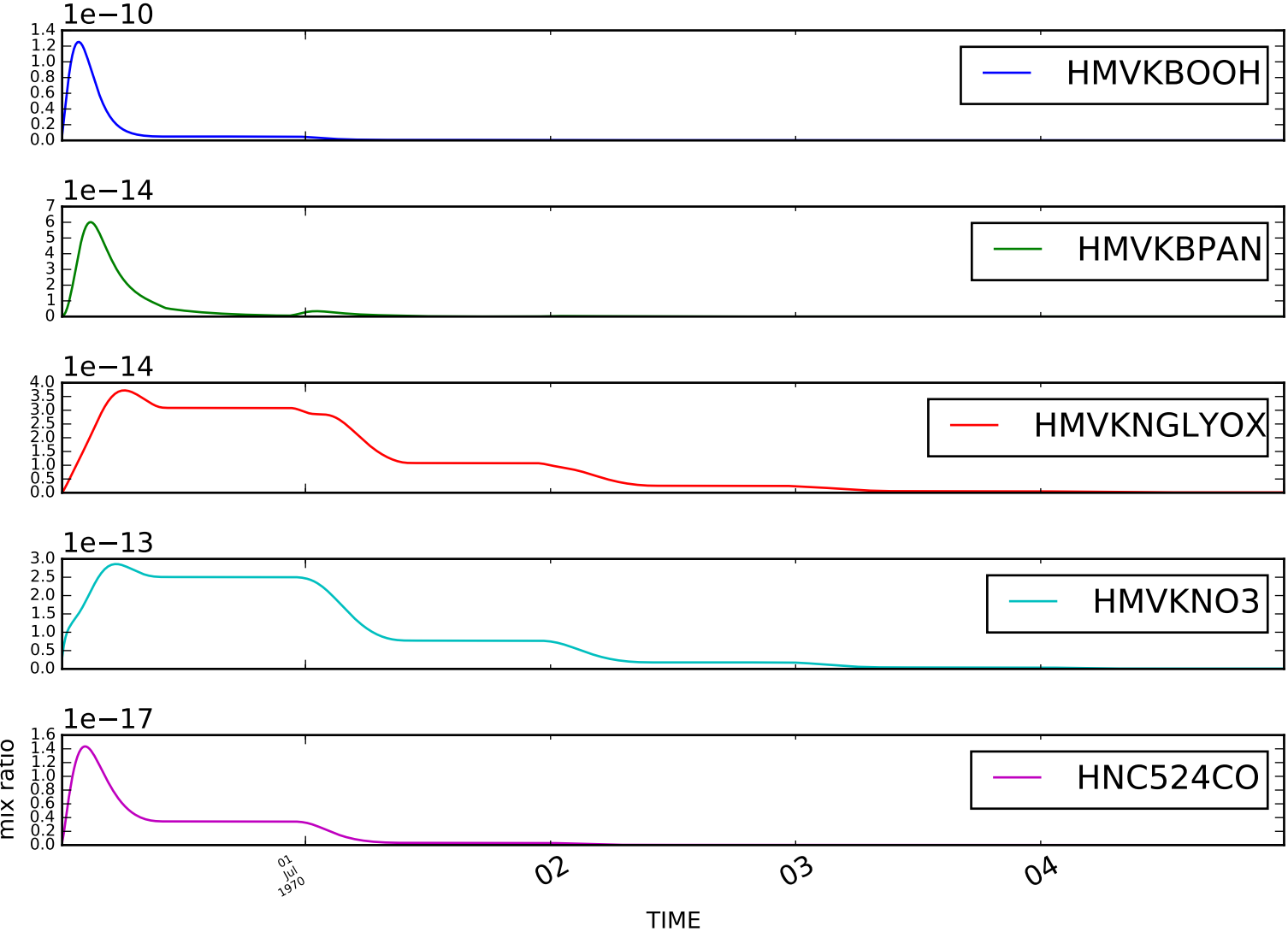

1e−23
HIEB1O
1e−16
HIEB1O2
1e−13
HIEB1OOH
1e−23
HIEB2O
1e−16
HIEB2O2
mix ratio
01
Jul
1970
02
03
04
TIME

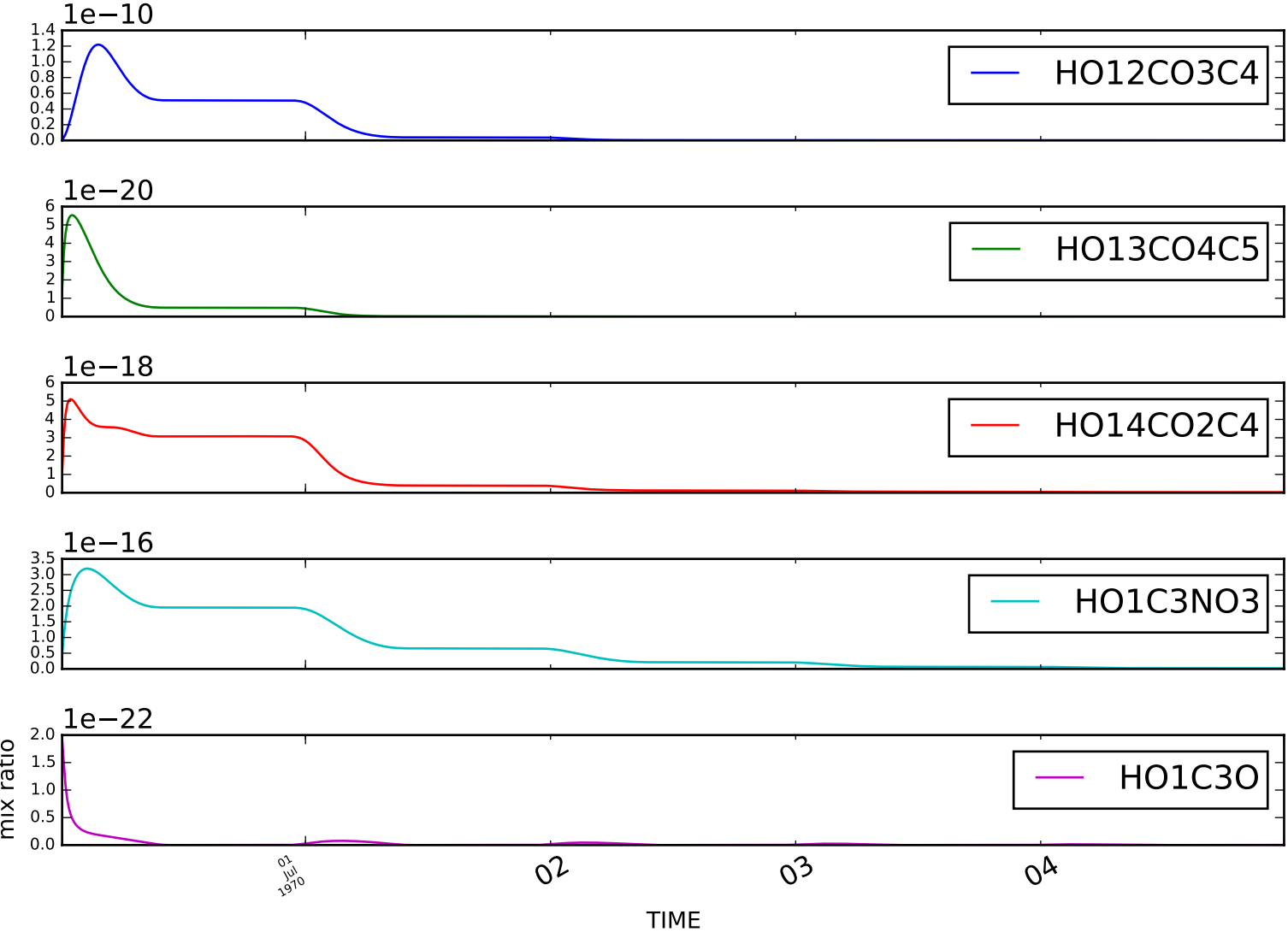

1e−12
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HIEPOXB
1e−11
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HMAC
1e−13
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HMACO2H
1e−15
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HMACO3
1e−13
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HMACO3H
mix ratio
01
Jul
1970
02
03
04
TIME

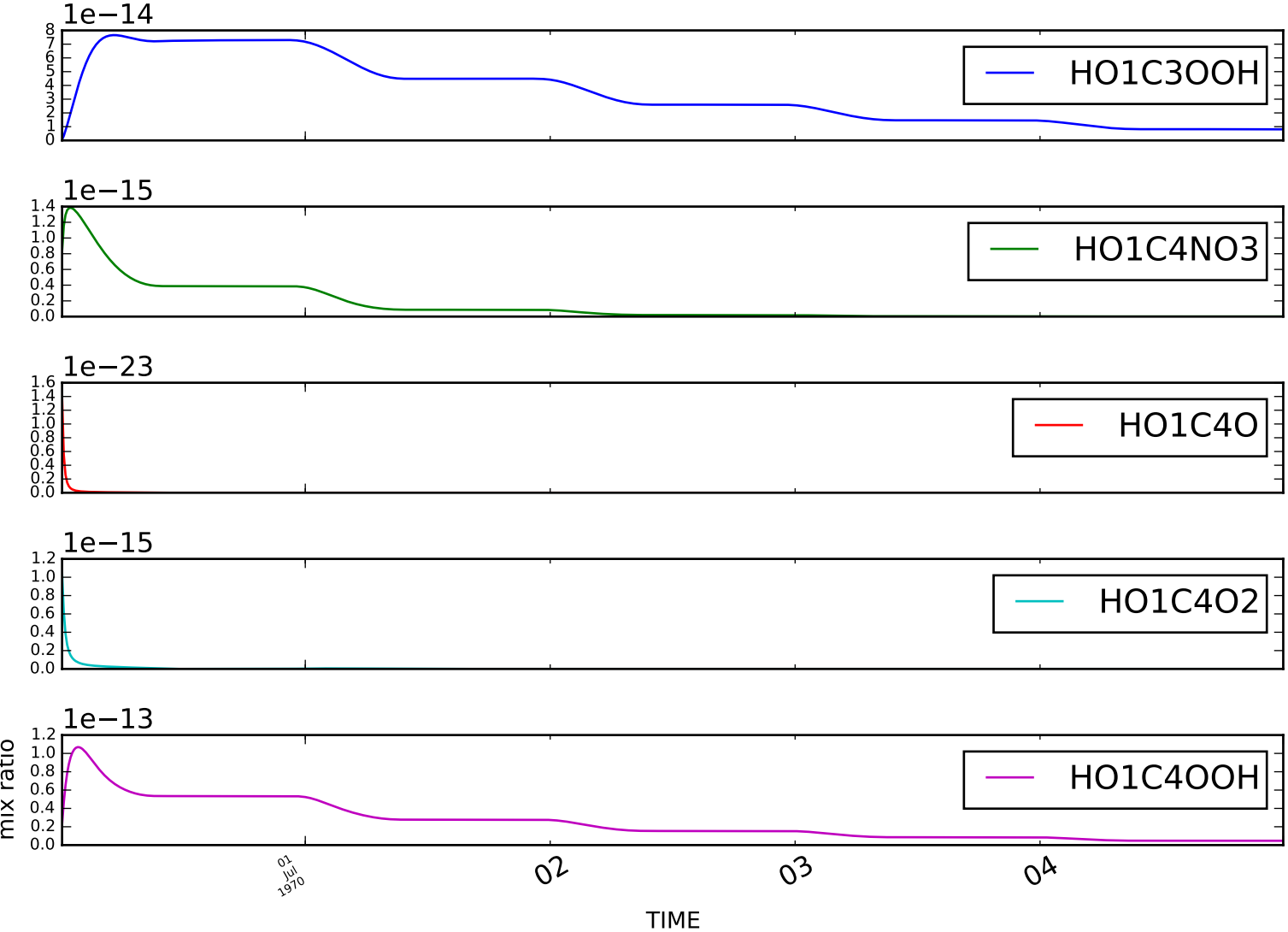

1e−22
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HMACRO
1e−15
2.5
2.0
1.5
1.0
0.5
0.0
HMACRO2
1e−13
2.5
2.0
1.5
1.0
0.5
0.0
HMACROH
1e−13
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HMACROOH
1e−17
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HMGLYOO
mix ratio
01
Jul
1970
02
03
04
TIME

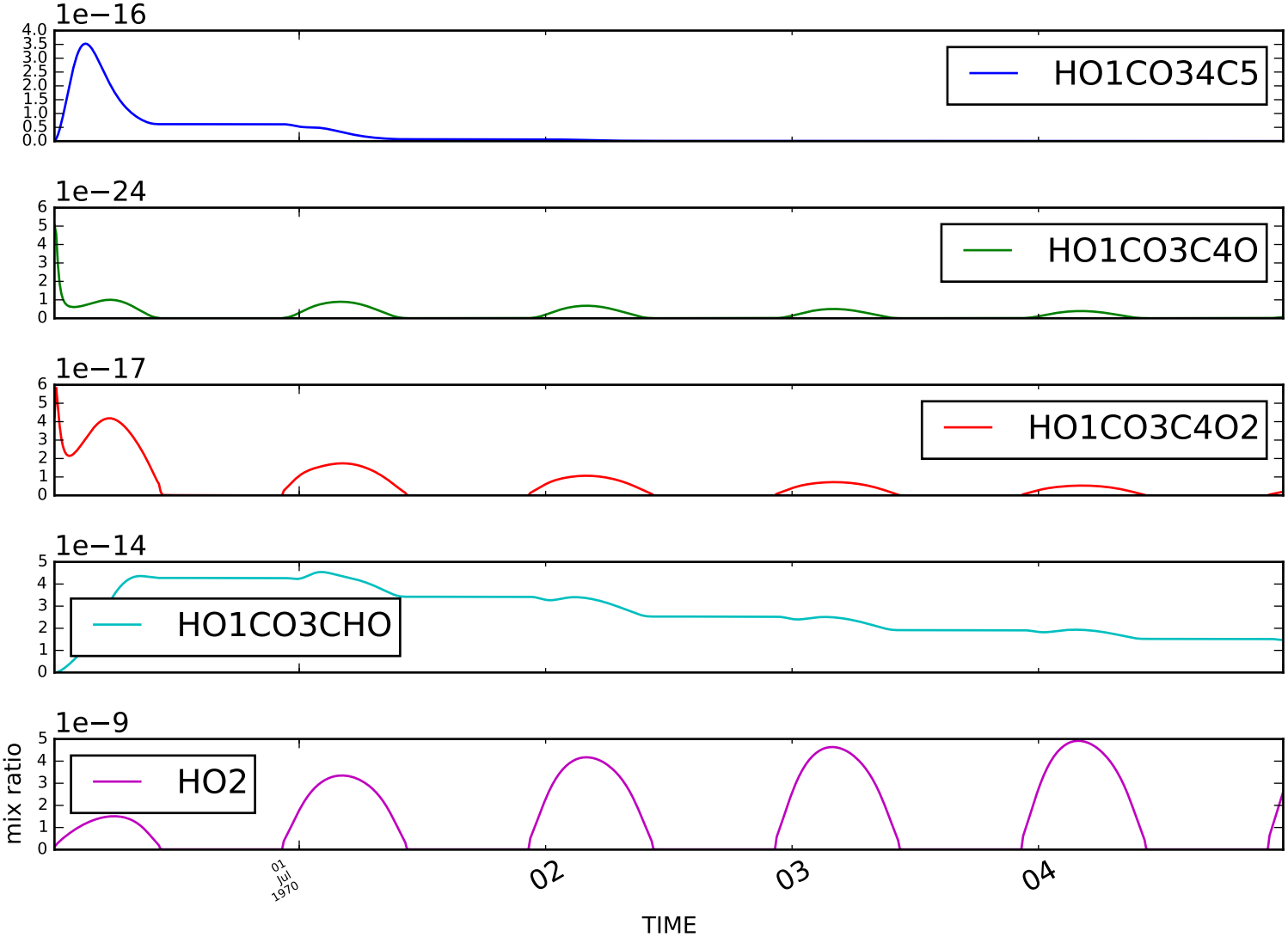

1e−11
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HMML
1e−13
6
5
4
3
2
1
0
HMPAN
1e−12
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HMVKANO3
1e−20
2.5
2.0
1.5
1.0
0.5
0.0
HMVKAO
1e−13
2.5
2.0
1.5
1.0
0.5
0.0
HMVKAO2
mix ratio
01
Jul
1970
02
03
04
TIME

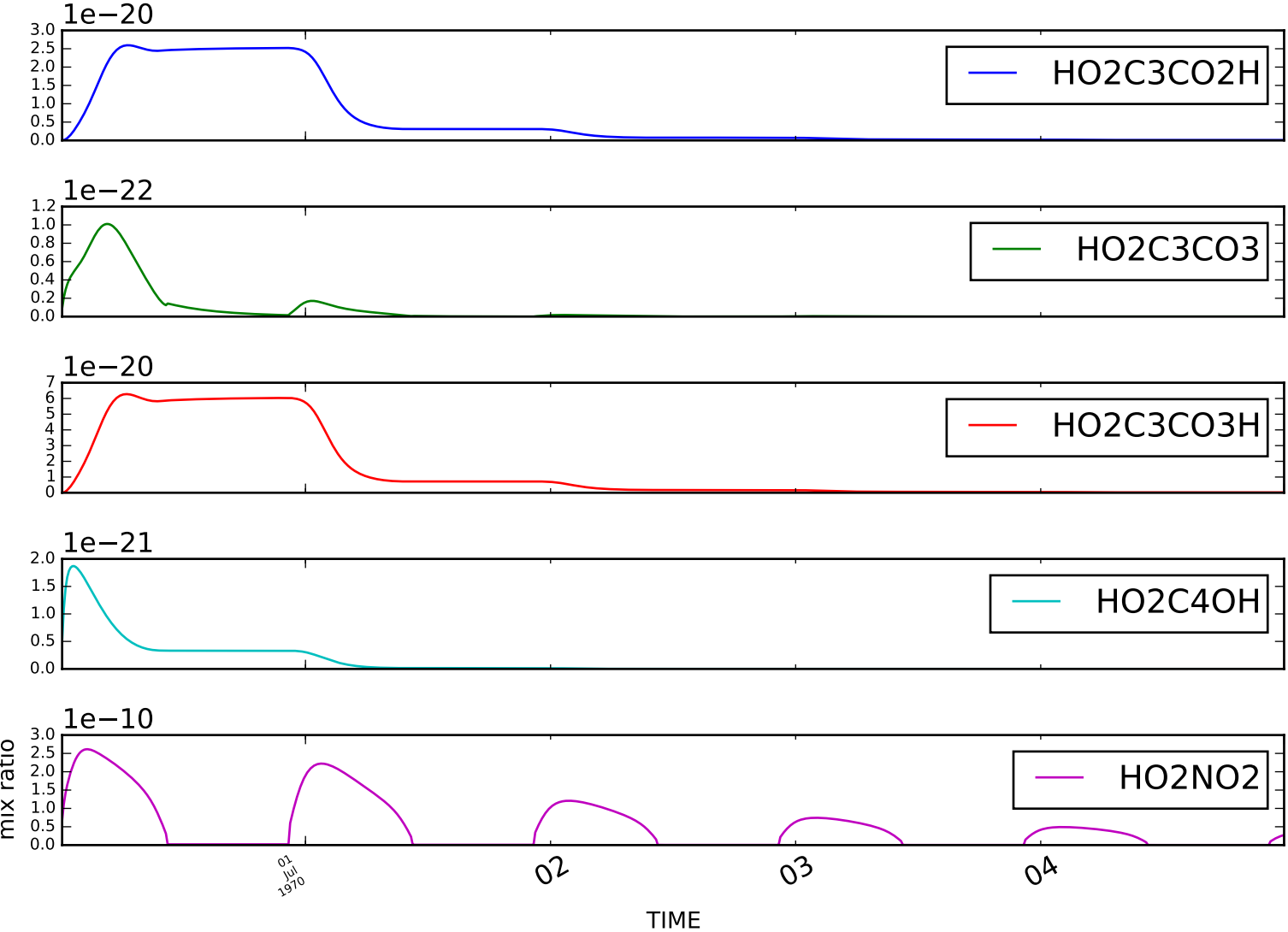

1e−13
HMVKBCHO
1e−14
HMVKBCO2H
1e−16
HMVKBCO3
1e−13
HMVKBCO3H
1e−20
HMVKBO
mix ratio
01
Jul
1970
02
03
04
TIME

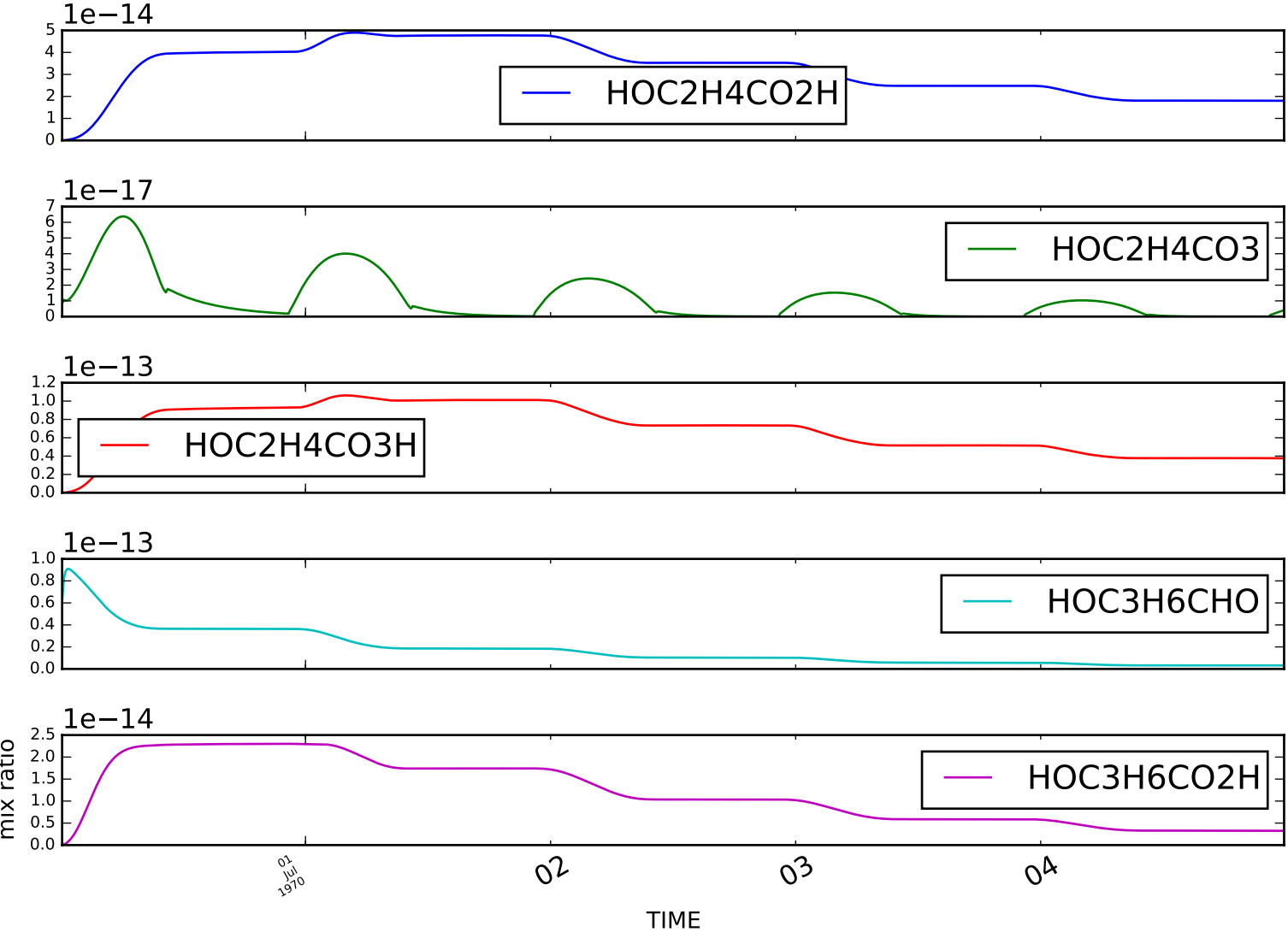

1e−10
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HMVKBOOH
1e−14
7
6
5
4
3
2
1
0
HMVKBPAN
1e−14
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HMVKNGLYOX
1e−13
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HMVKNO3
1e−17
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HNC524CO
mix ratio
01
Jul
1970
02
03
04
TIME


1e−10
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HO12CO3C4
1e−20
6
5
4
3
2
1
0
HO13CO4C5
1e−18
6
5
4
3
2
1
0
HO14CO2C4
1e−16
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HO1C3NO3
1e−22
2.0
1.5
1.0
0.5
0.0
HO1C3O
mix ratio
01
Jul
1970
02
03
04
TIME


1e−14
HO1C3OOH
1e−15
HO1C4NO3
1e−23
HO1C4O
1e−15
HO1C4O2
1e−13
HO1C4OOH
mix ratio
01
Jul
1970
02
03
04
TIME


1e−16
HO1CO34C5
1e−24
HO1CO3C4O
1e−17
HO1CO3C4O2
1e−14
HO1CO3CHO
1e−9
HO2
mix ratio
01
Jul
1970
02
03
04
TIME


1e−20
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HO2C3CO2H
1e−22
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HO2C3CO3
1e−20
7
6
5
4
3
2
1
0
HO2C3CO3H
1e−21
2.0
1.5
1.0
0.5
0.0
HO2C4OH
1e−10
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HO2NO2
mix ratio
01
Jul
1970
02
03
04
TIME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HOC2H4CO2H
1e−17
HOC2H4CO3
1e−13
HOC2H4CO3H
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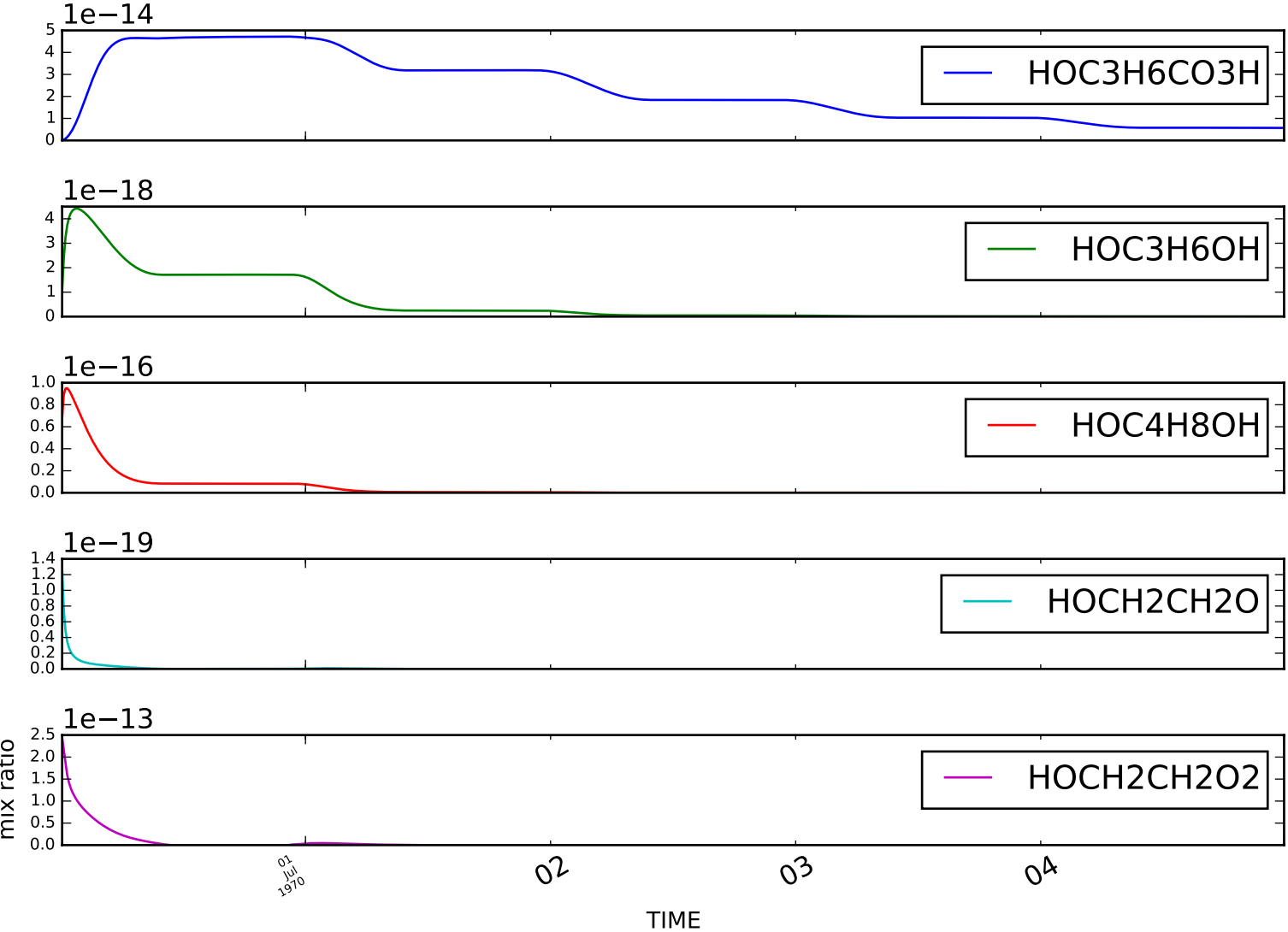
HOC3H6CHO
1e−14
HOC3H6CO2H
mix ratio
01
Jul
1970
02
03
04
TIME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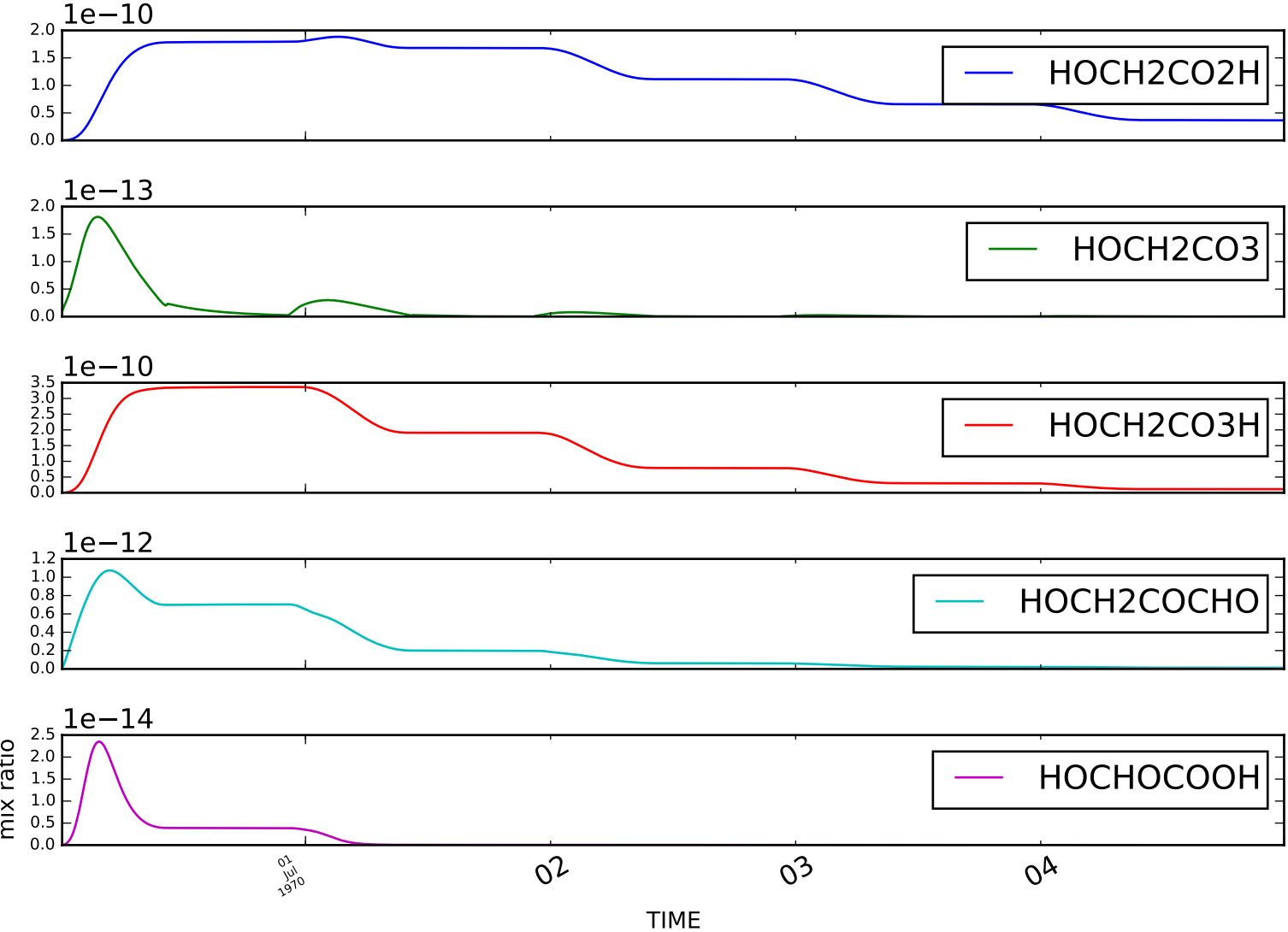
HOC3H6CO3H
1e−18
HOC3H6OH
1e−16
HOC4H8OH
1e−19
HOCH2CH2O
1e−13
HOCH2CH2O2
mix ratio
01
Jul
1970
02
03
04
TIME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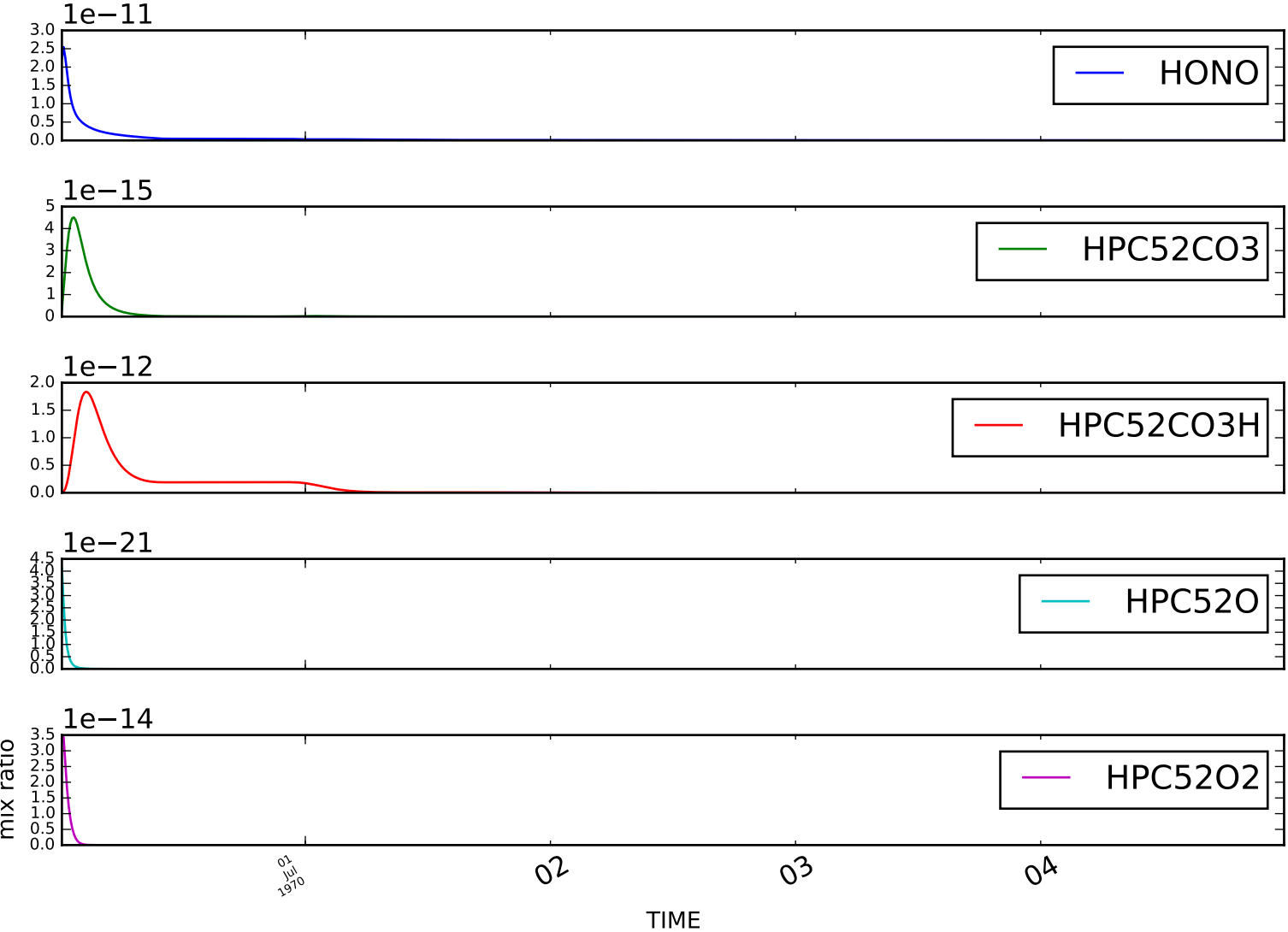
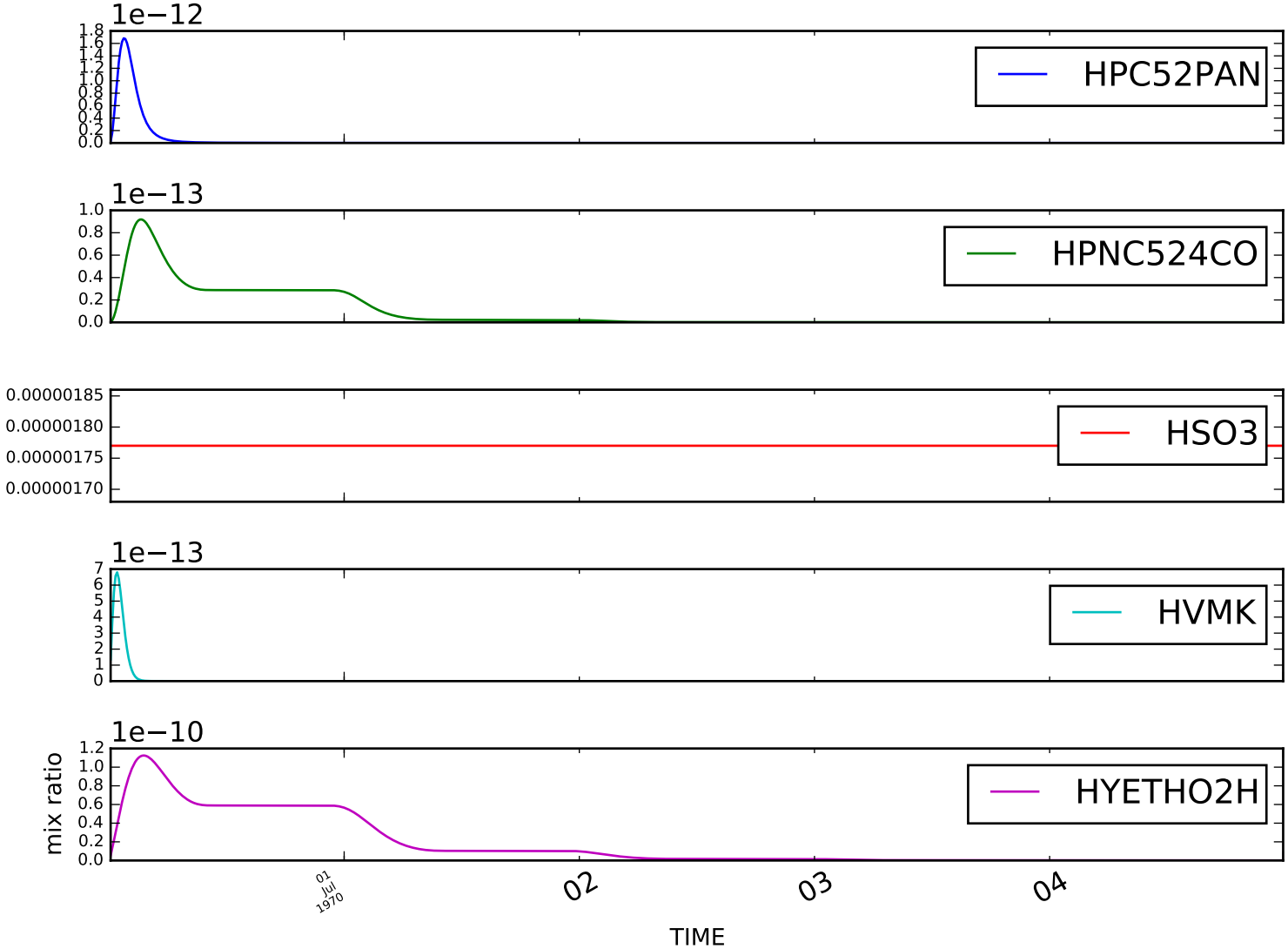
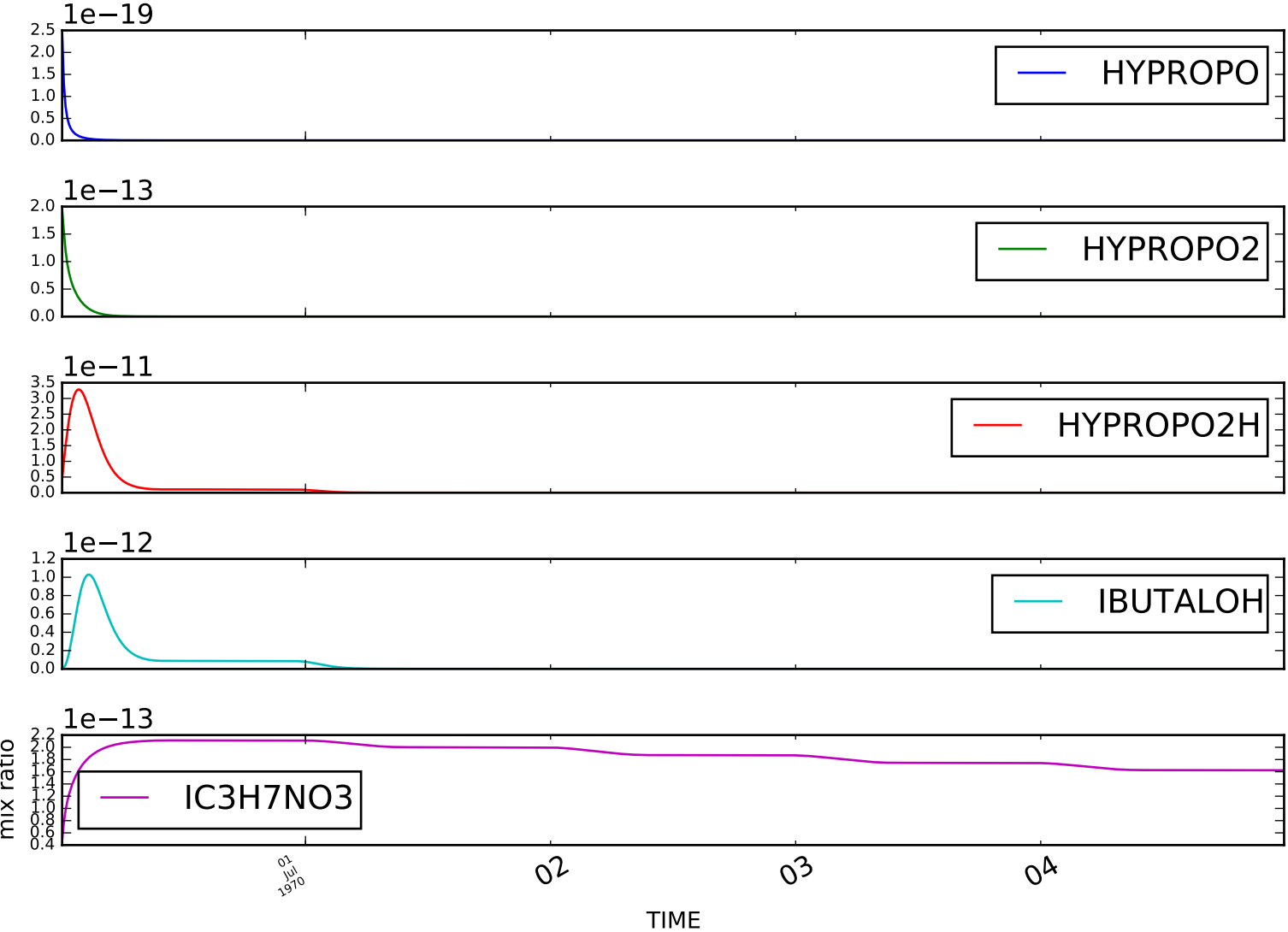
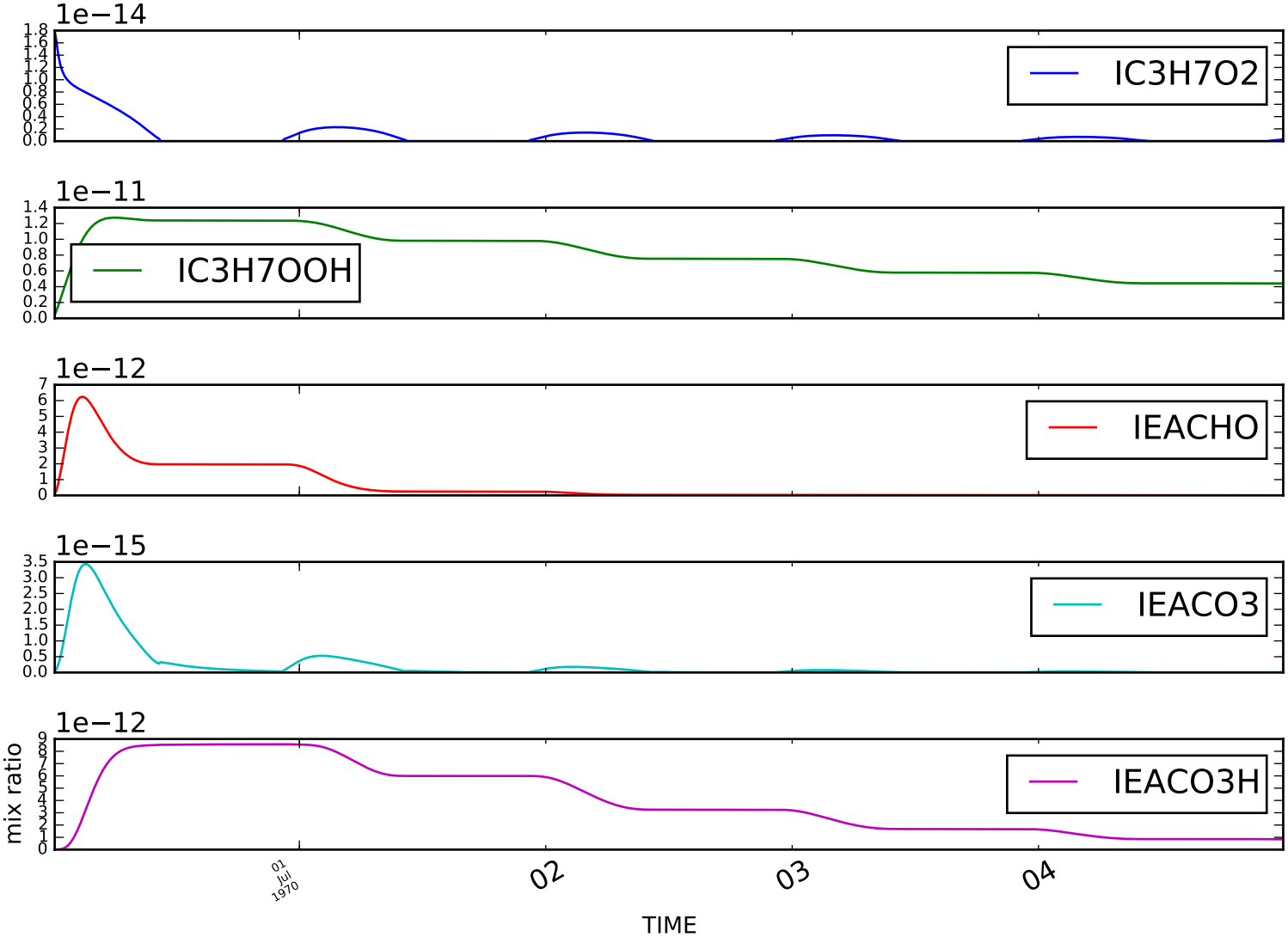
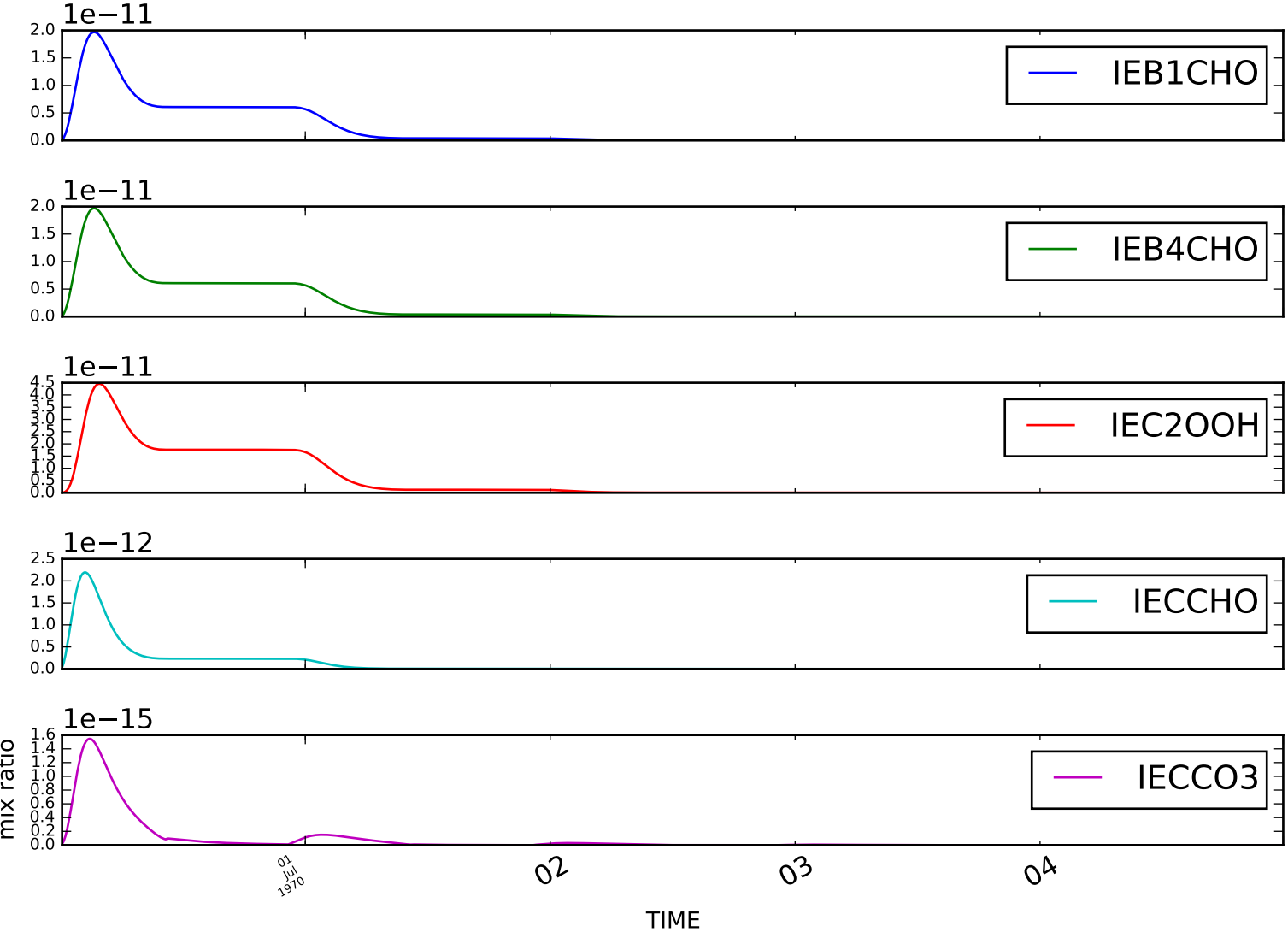
2.0
1.5
1.0
0.5
0.0
HOCH2CO2H
1e−13
2.0
1.5
1.0
0.5
0.0
HOCH2CO3
1e−10
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
HOCH2CO3H
1e−12
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HOCH2COCHO
1e−14
2.5
2.0
1.5
1.0
0.5
0.0
HOCHOCOOH
mix ratio
01
Jul
1970
02
03
04
TIME

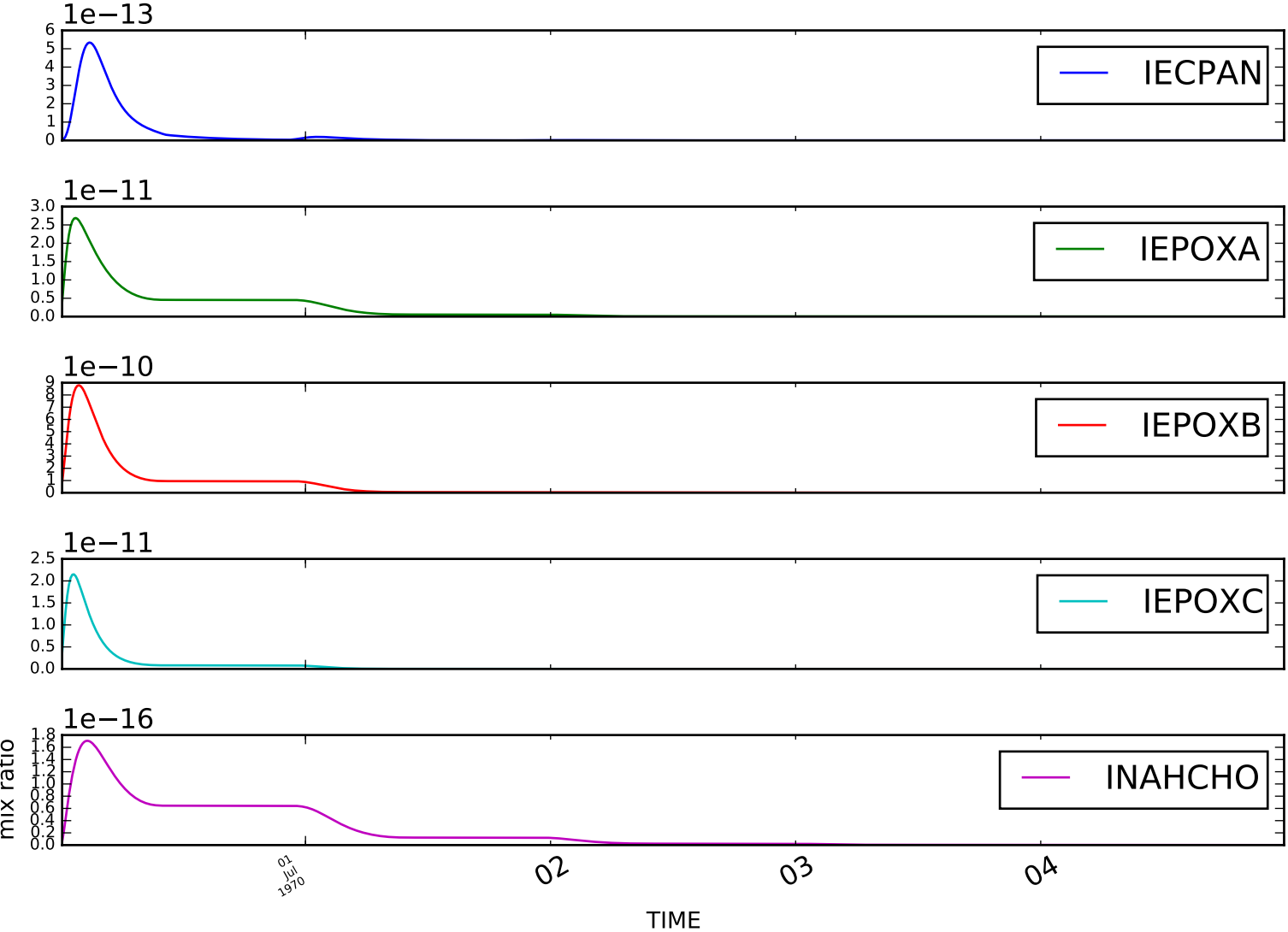

1e−11
HONO
1e−15
HPC52CO3
1e−12
HPC52CO3H
1e−21
HPC52O
1e−14
HPC52O2
mix ratio
01
Jul
1970
02
03
04
TIME

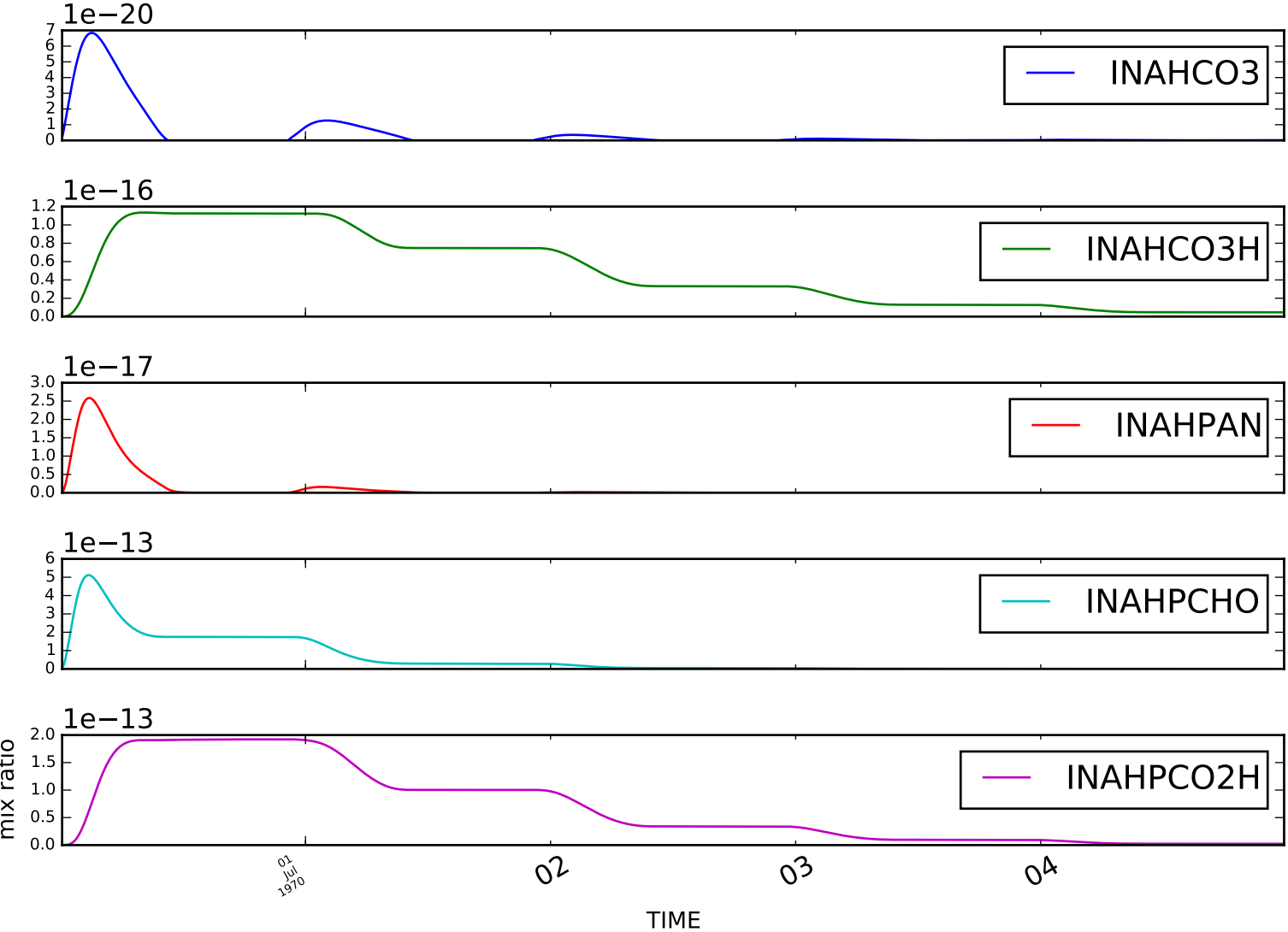

1e−12
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
HPC52PAN
1e−13
1.0
0.8
0.6
0.4
0.2
0.0
HPNC524CO
0.00000185
0.00000180
0.00000175
0.00000170
HSO3
1e−13
7
6
5
4
3
2
1
0
HVMK
1e−10
1.2
1.0
0.8
0.6
0.4
0.2
0.0
mix ratio
HYETHO2H
01
Jul
1970
02
03
04
TIME

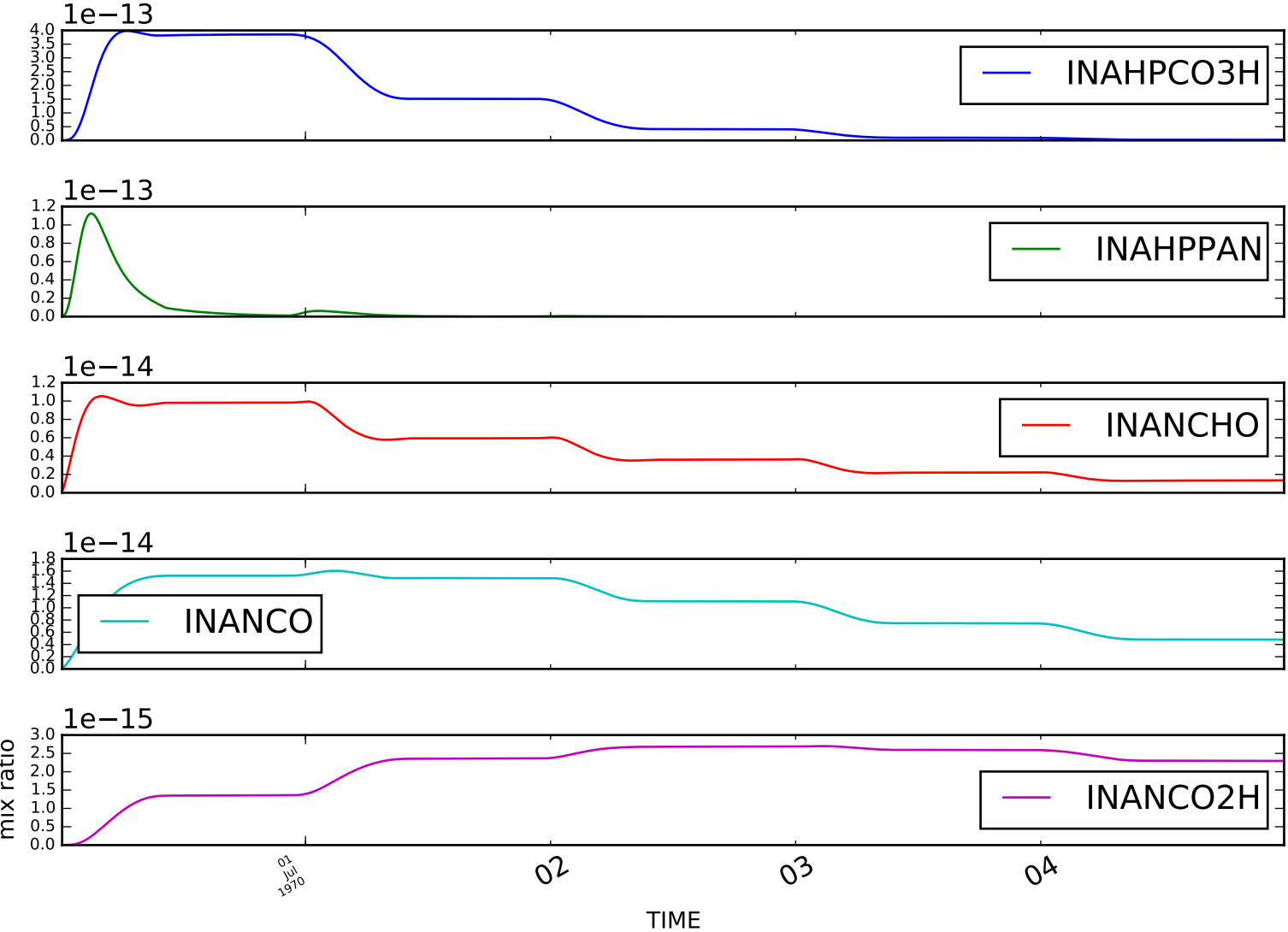

1e−19
HYPROPO
1e−13
HYPROPO2
1e−11
HYPROPO2H
1e−12
IBUTALOH
1e−13
IC3H7NO3
mix ratio
01
Jul
1970
02
03
04
TIME

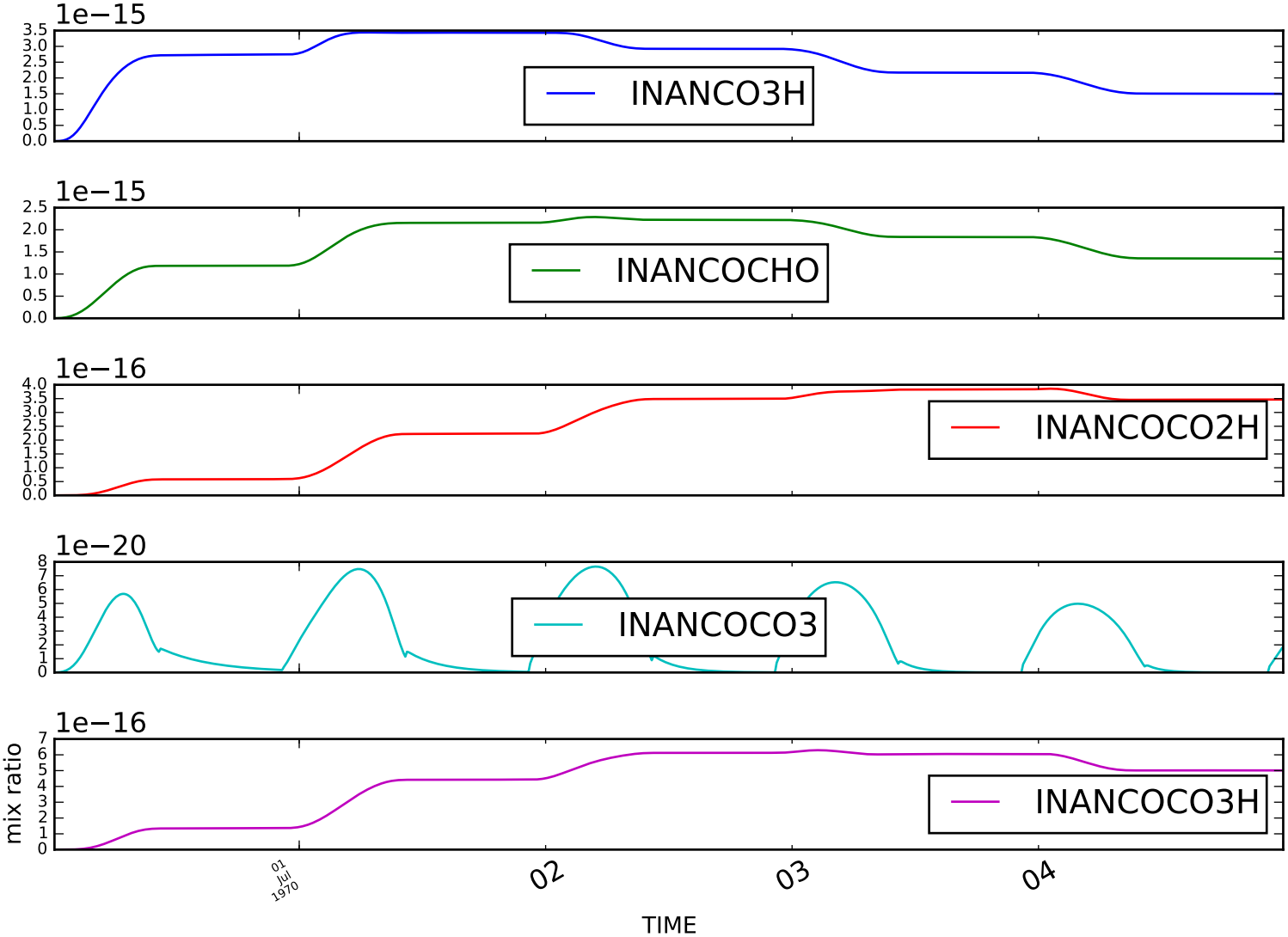

1e−14
IC3H7O2
1e−11
IC3H7OOH
1e−12
IEACHO
1e−15
IEACO3
1e−12
IEACO3H
mix ratio
01
Jul
1970
02
03
04
TIME


1e−11
IEB1CHO
1e−11
IEB4CHO
1e−11
IEC2OOH
1e−12
IECCHO
1e−15
IECCO3
mix ratio
01
Jul
1970
02
03
04
TIME


1e−13
IECPAN
1e−11
IEPOXA
1e−10
IEPOXB
1e−11
IEPOXC
1e−16
INAHCHO
mix ratio
01
Jul
1970
02
03
04
TIME


1e−20
INAHCO3
1e−16
INAHCO3H
1e−17
INAHPAN
1e−13
INAHPCHO
1e−13
INAHPCO2H
mix ratio
01
Jul
1970
02
03
04
TIME


1e−13
INAHPCO3H
1e−13
INAHPPAN
1e−14
INANCHO
1e−14
INANCO
1e−15
INANCO2H
mix ratio
01
Jul
1970
02
03
04
TIME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2.0
1.5
1.0
0.5
0.0
INANCOCHO
1e−16
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3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
INANCOCO2H
1e−20
8
7
6
5
4
3
2
1
0
INANCOCO3
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mix ratio
01
Jul
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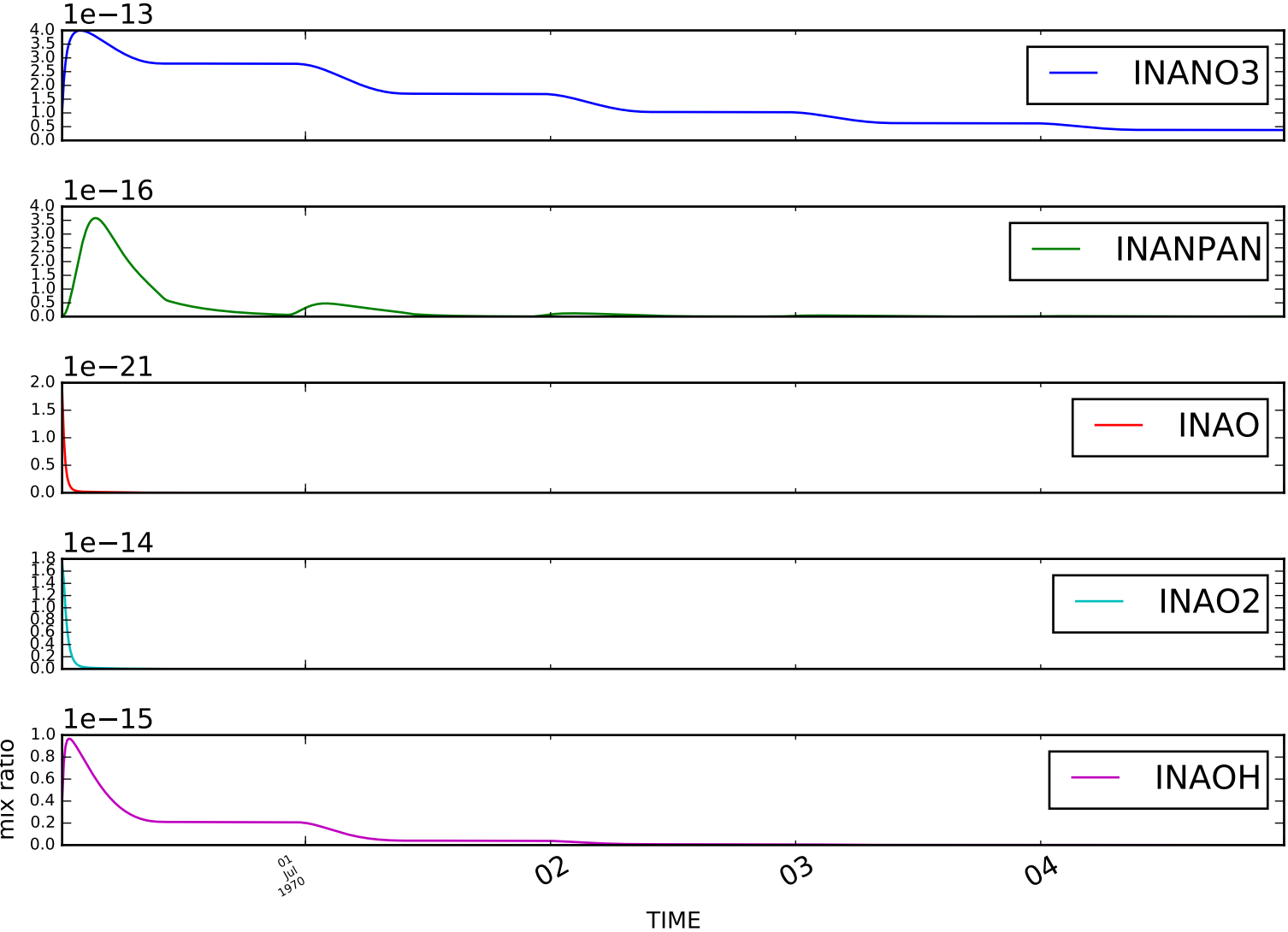
02
03
04
TIME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INAO2
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INAOH
mix ratio
01
Jul
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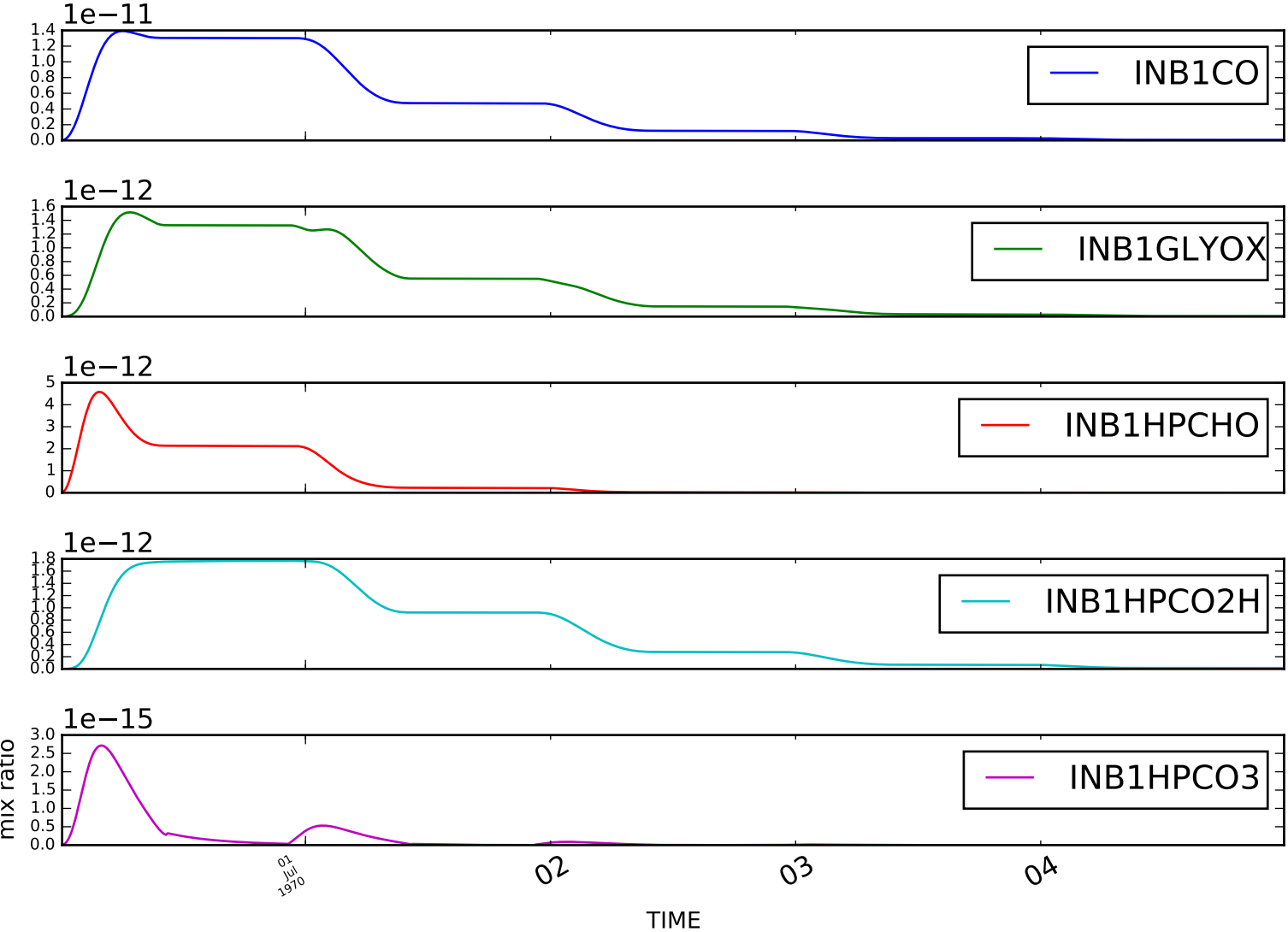
02
03
04
TIME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0.4
0.2
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1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
INB1GLYOX
1e−12
5
4
3
2
1
0
INB1HPCHO
1e−12
1.8
1.6
1.4
1.2
1.0
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0.6
0.4
0.2
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1e−15
3.0
2.5
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mix ratio
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Jul
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02
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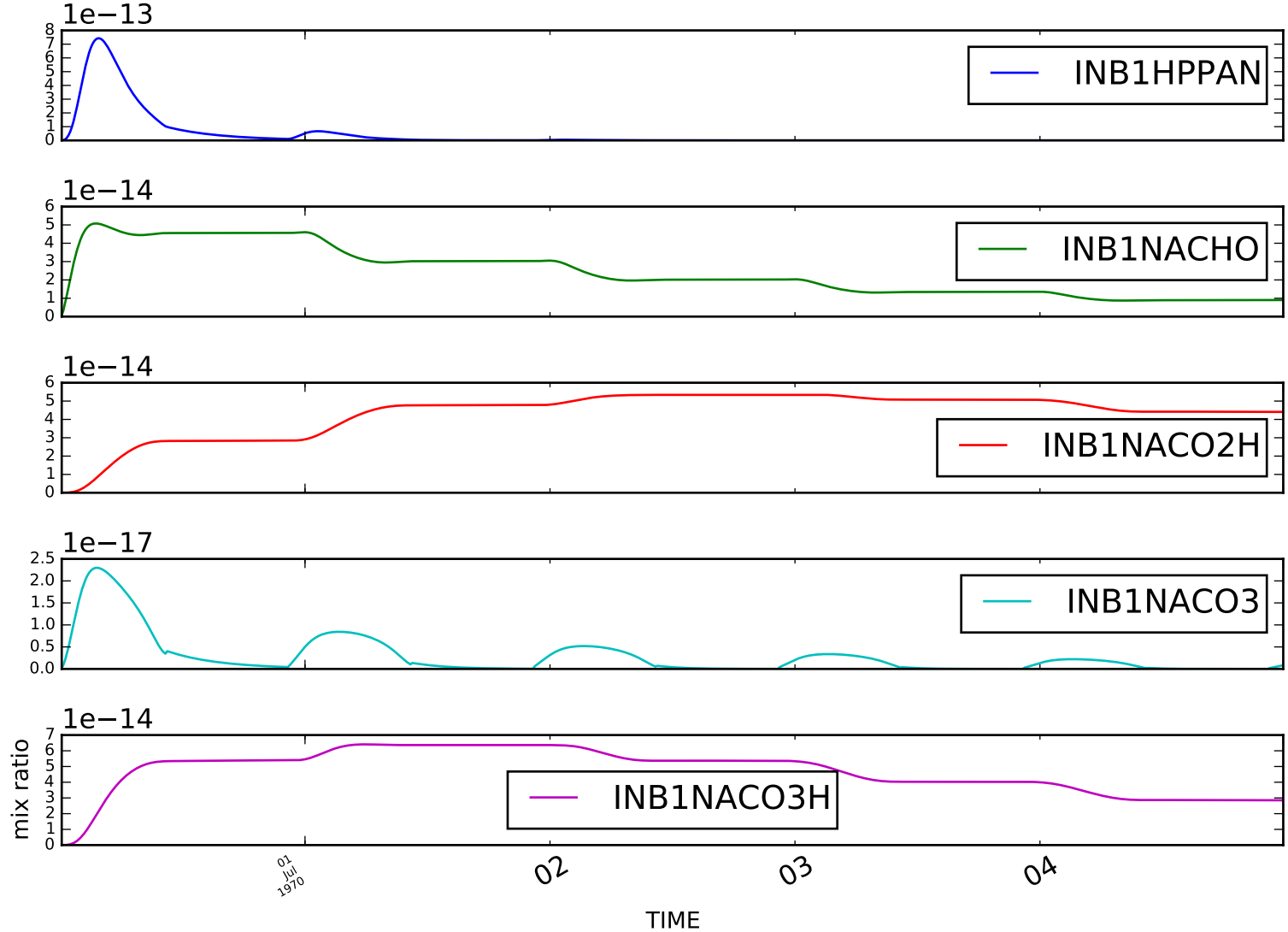
04
TIME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INB1NACHO
1e−14
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INB1NACO3
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mix ratio
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Jul
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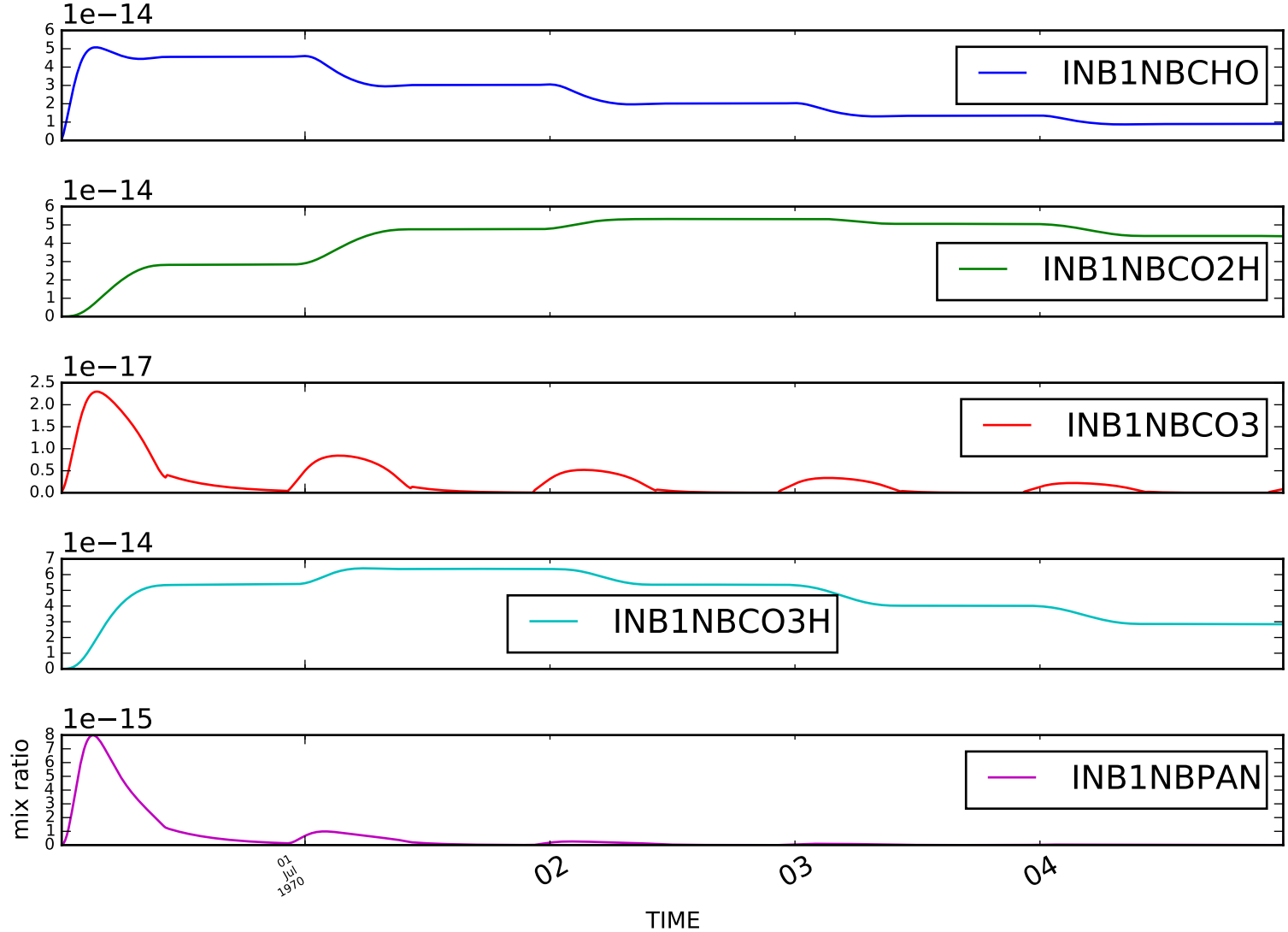
04
TIME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mix ratio
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Jul
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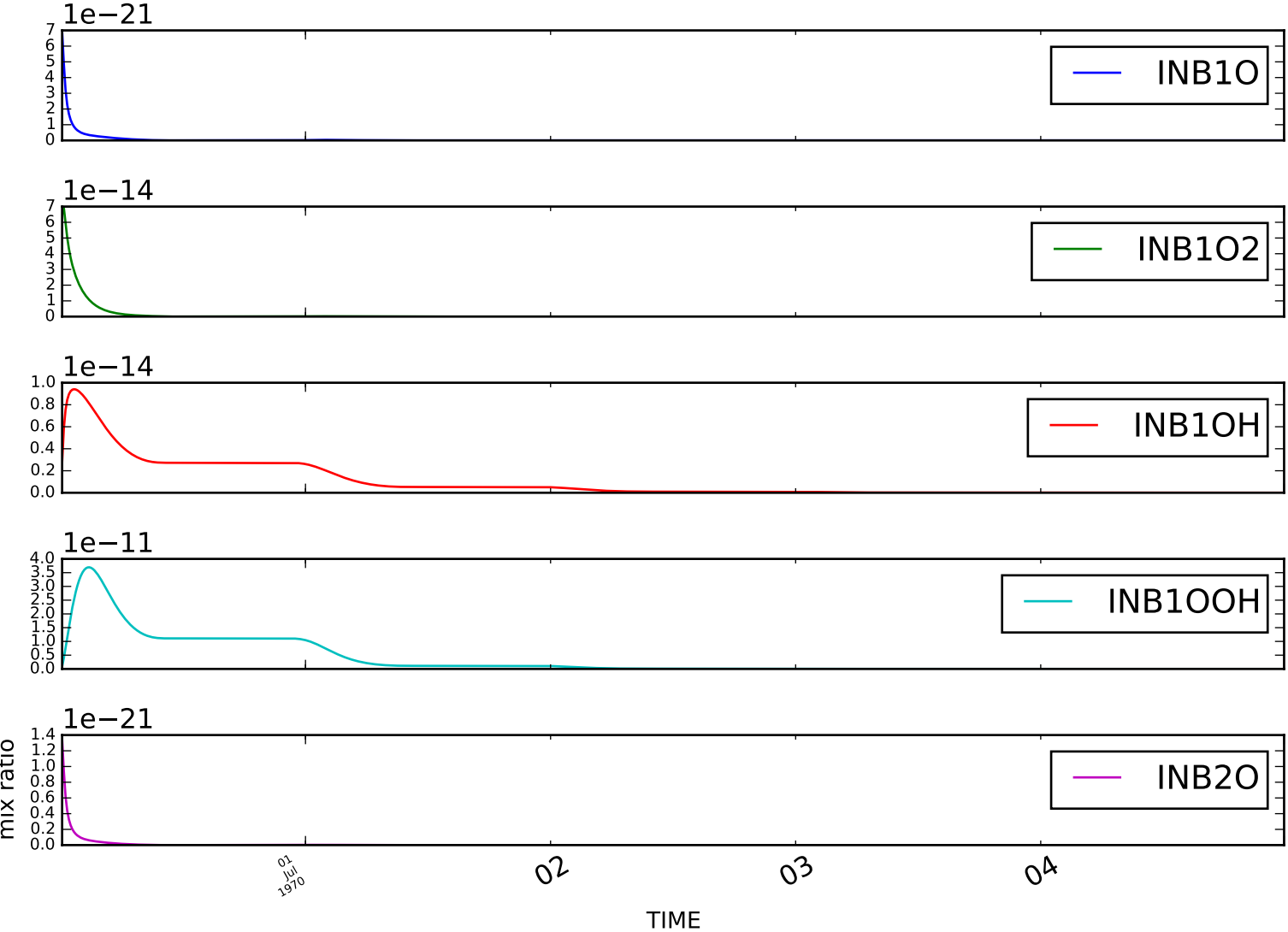
04
TIME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mix ratio
01
Jul
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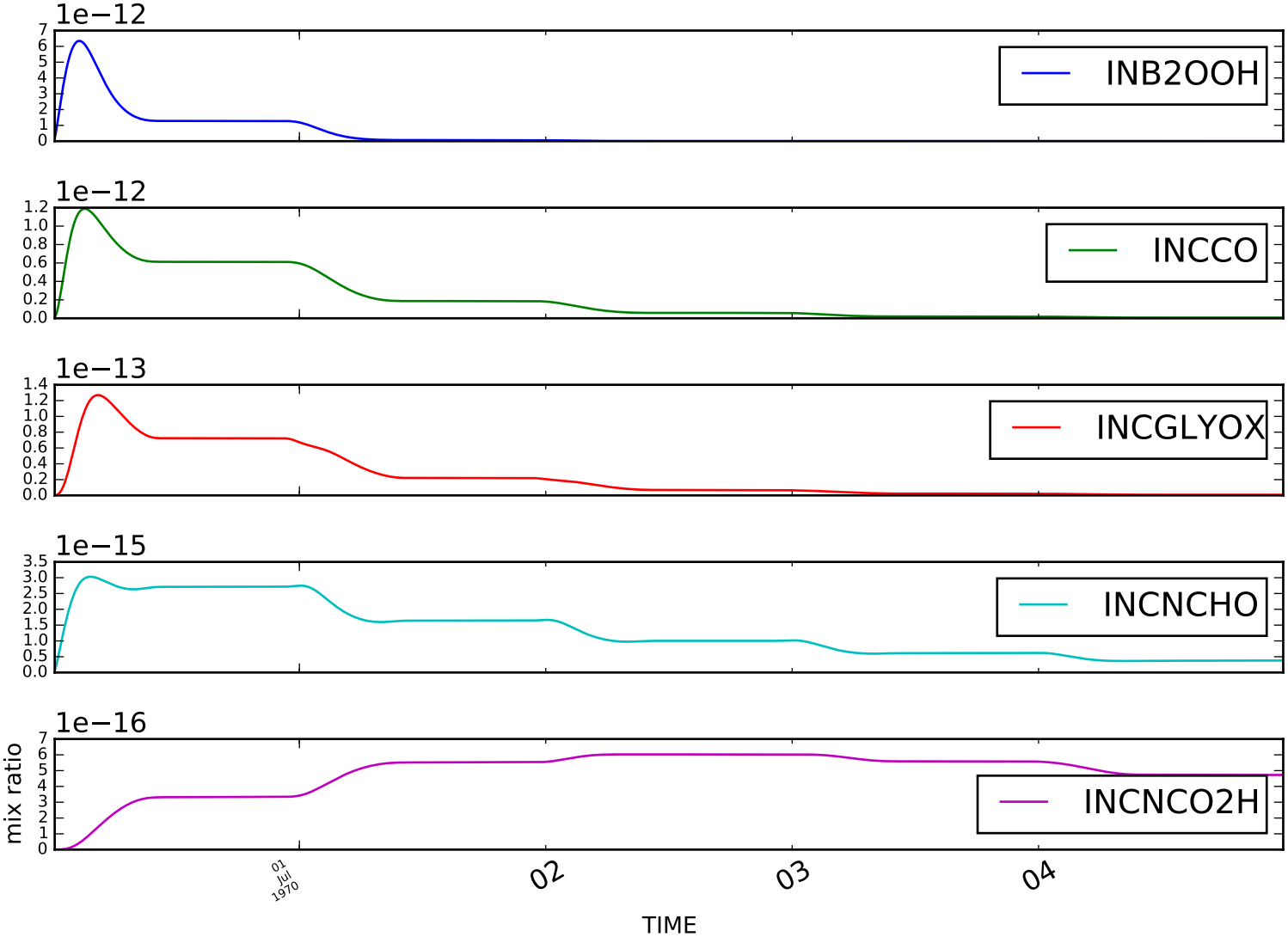
02
03
04
TIME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INCNCO2H
mix ratio
01
Jul
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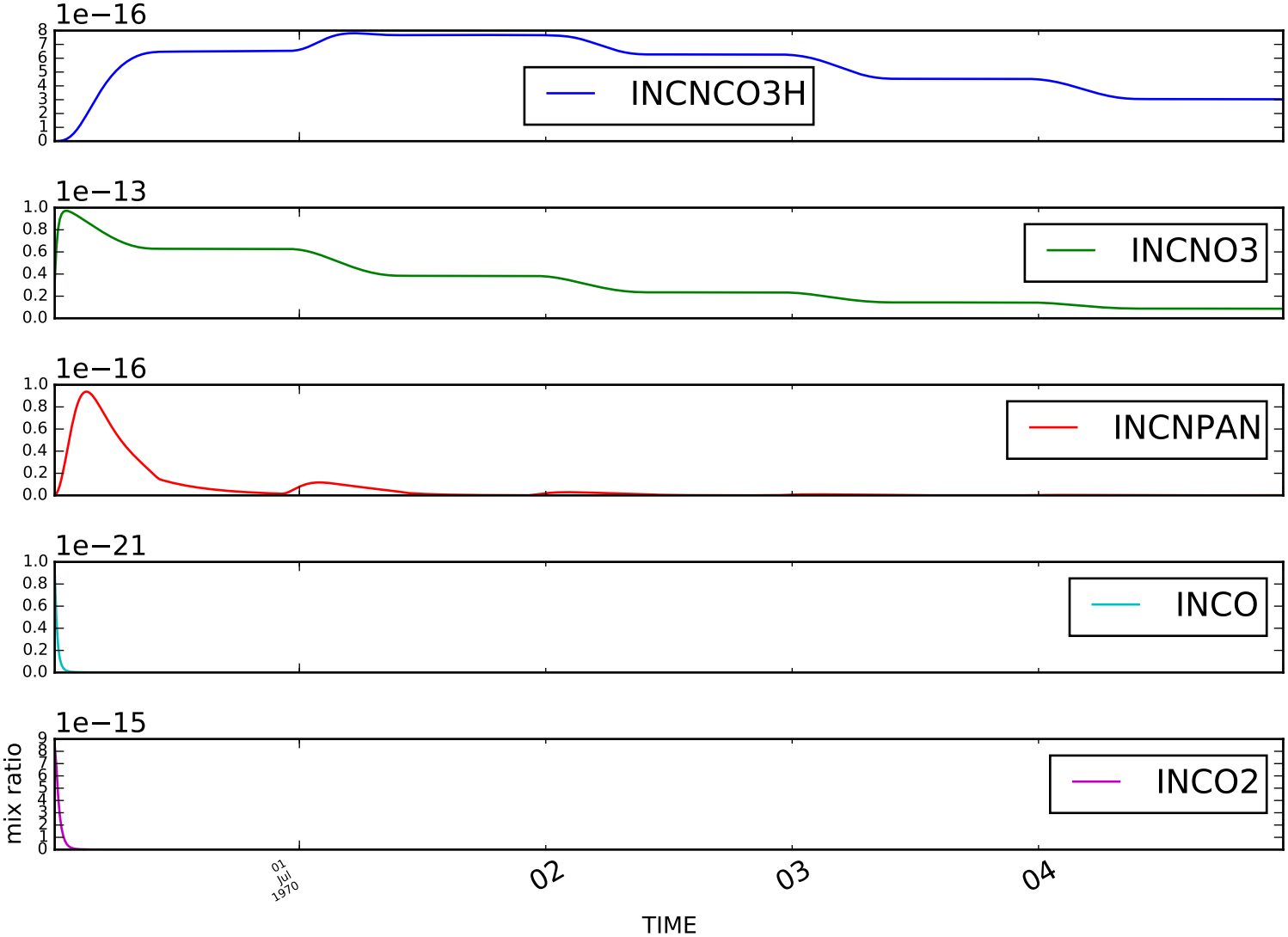
02
03
04
TIME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1e−13
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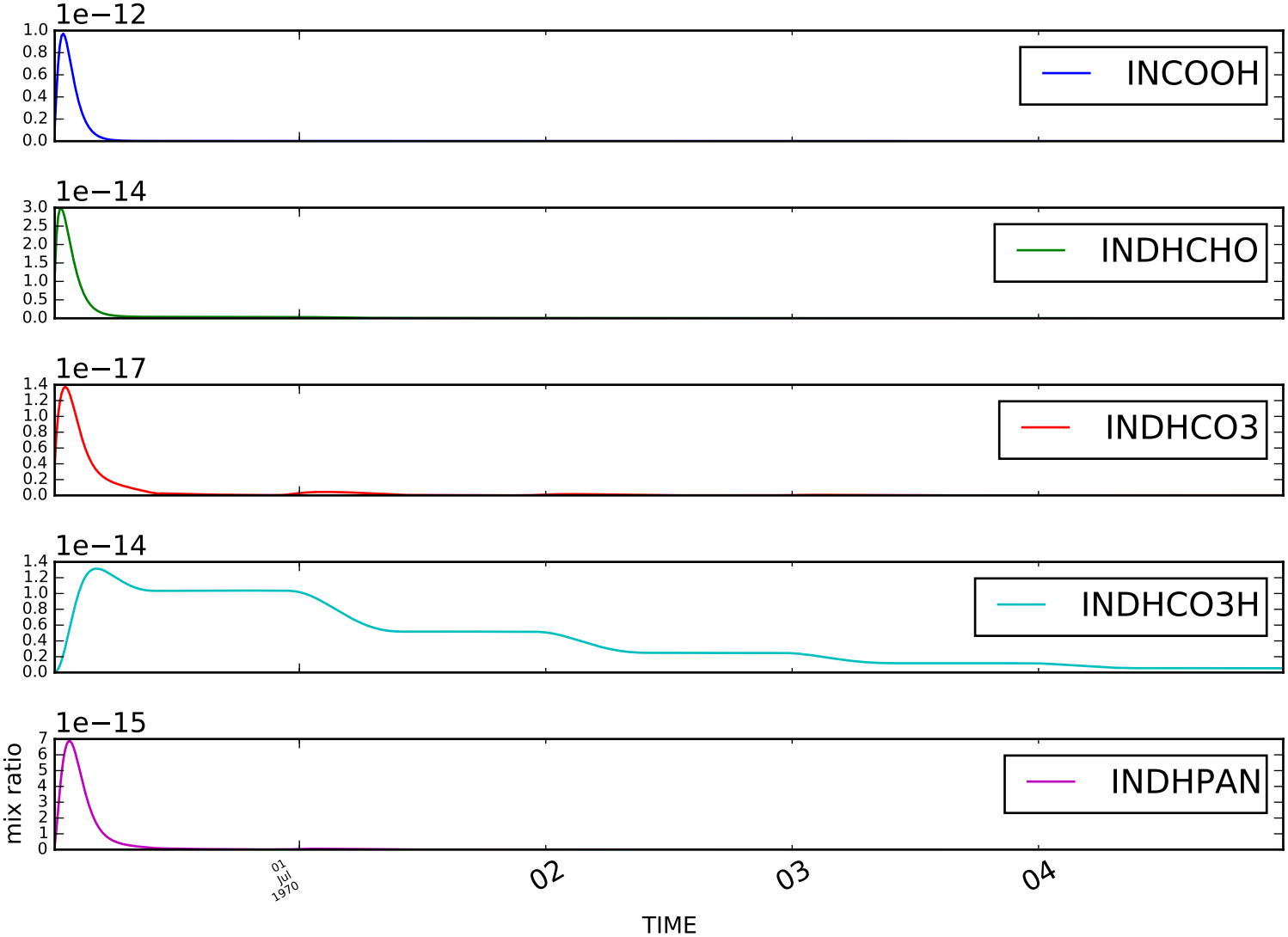
1e−16
INCNPAN
1e−21
INCO
1e−15
INCO2
mix ratio
01
Jul
1970
02
03
04
TIME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2.0
1.5
1.0
0.5
0.0
INDHCHO
1e−17
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
INDHCO3
1e−14
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
INDHCO3H
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4
3
2
1
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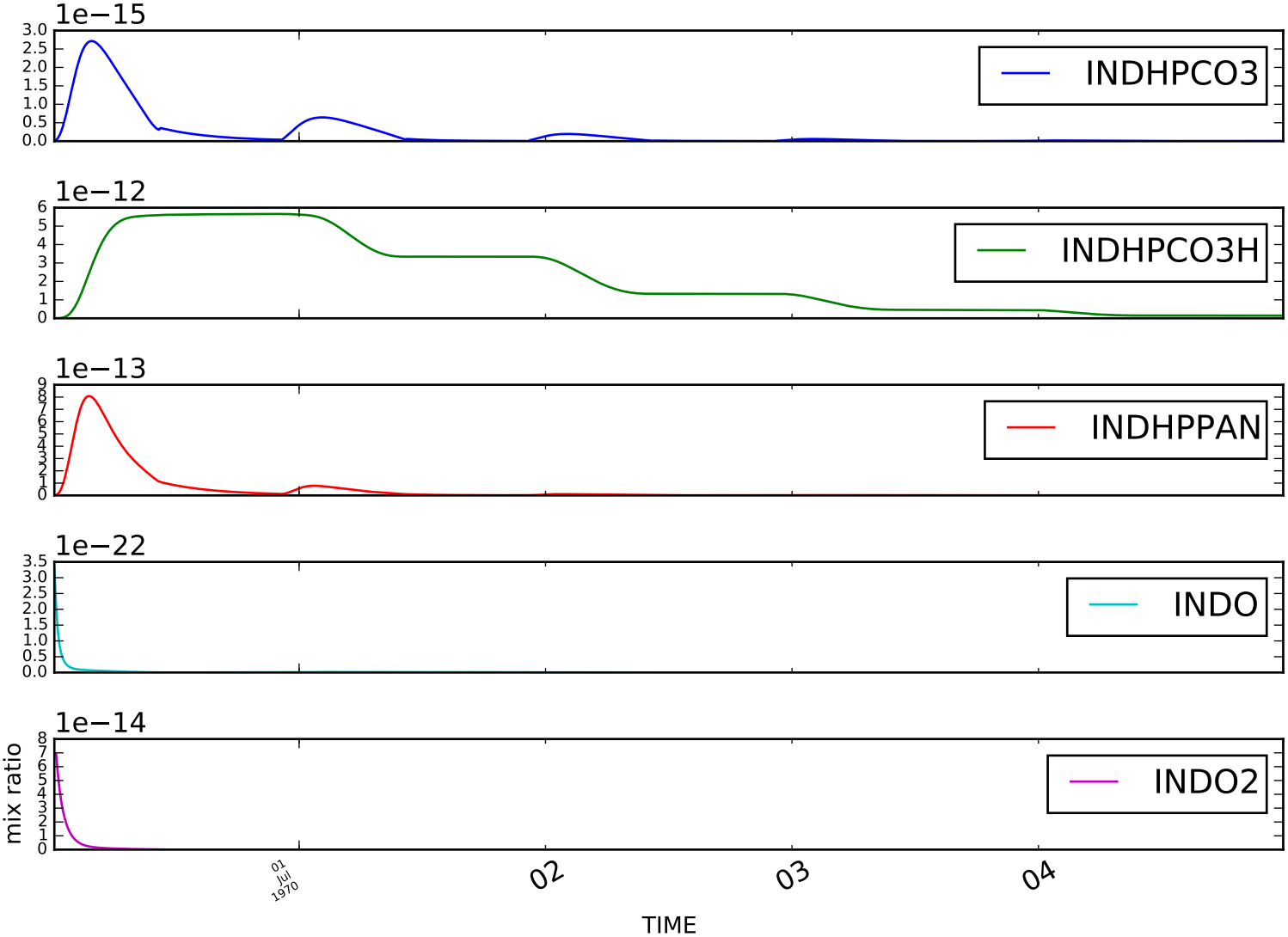
mix ratio
INDHPAN
01
Jul
1970
02
03
04
TIME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1.0
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0.0
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5
4
3
2
1
0
INDHPCO3H
1e−13
9
8
7
6
5
4
3
2
1
0
INDHPPAN
1e−22
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
INDO
1e−14
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5
4
3
2
1
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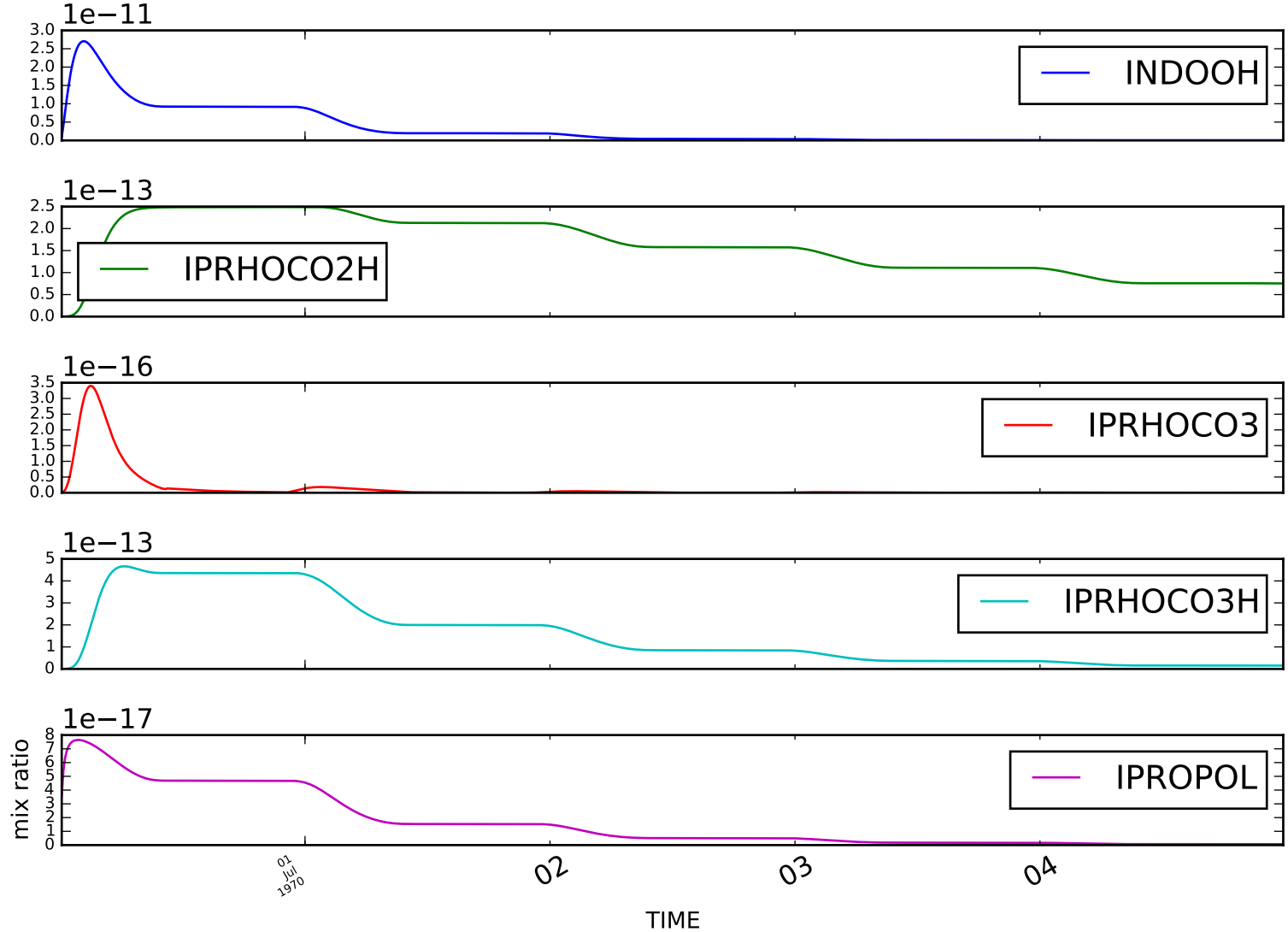
INDO2
mix ratio
01
Jul
1970
02
03
04
TIME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1.5
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0.0
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1e−13
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2.0
1.5
1.0
0.5
0.0
IPRHOCO2H
1e−16
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
IPRHOCO3
1e−13
5
4
3
2
1
0
IPRHOCO3H
1e−17
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7
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5
4
3
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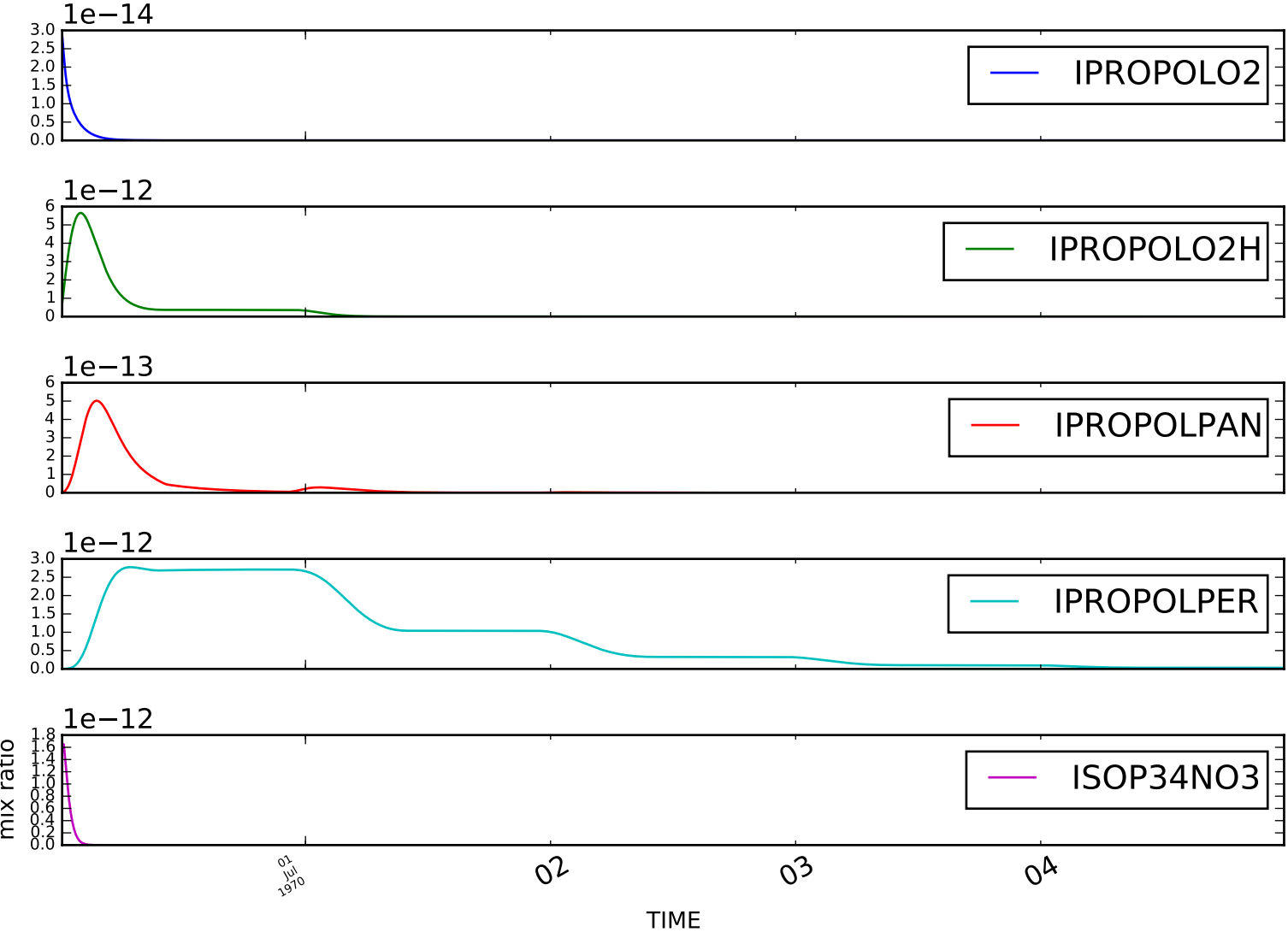
mix ratio
01
Jul
1970
02
03
04
TIME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2.0
1.5
1.0
0.5
0.0
IPROPOLO2
1e−12
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5
4
3
2
1
0
IPROPOLO2H
1e−13
6
5
4
3
2
1
0
IPROPOLPAN
1e−12
3.0
2.5
2.0
1.5
1.0
0.5
0.0
IPROPOLPER
1e−12
1.8
1.6
1.4
1.2
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0.4
0.2
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mix ratio
01
Jul
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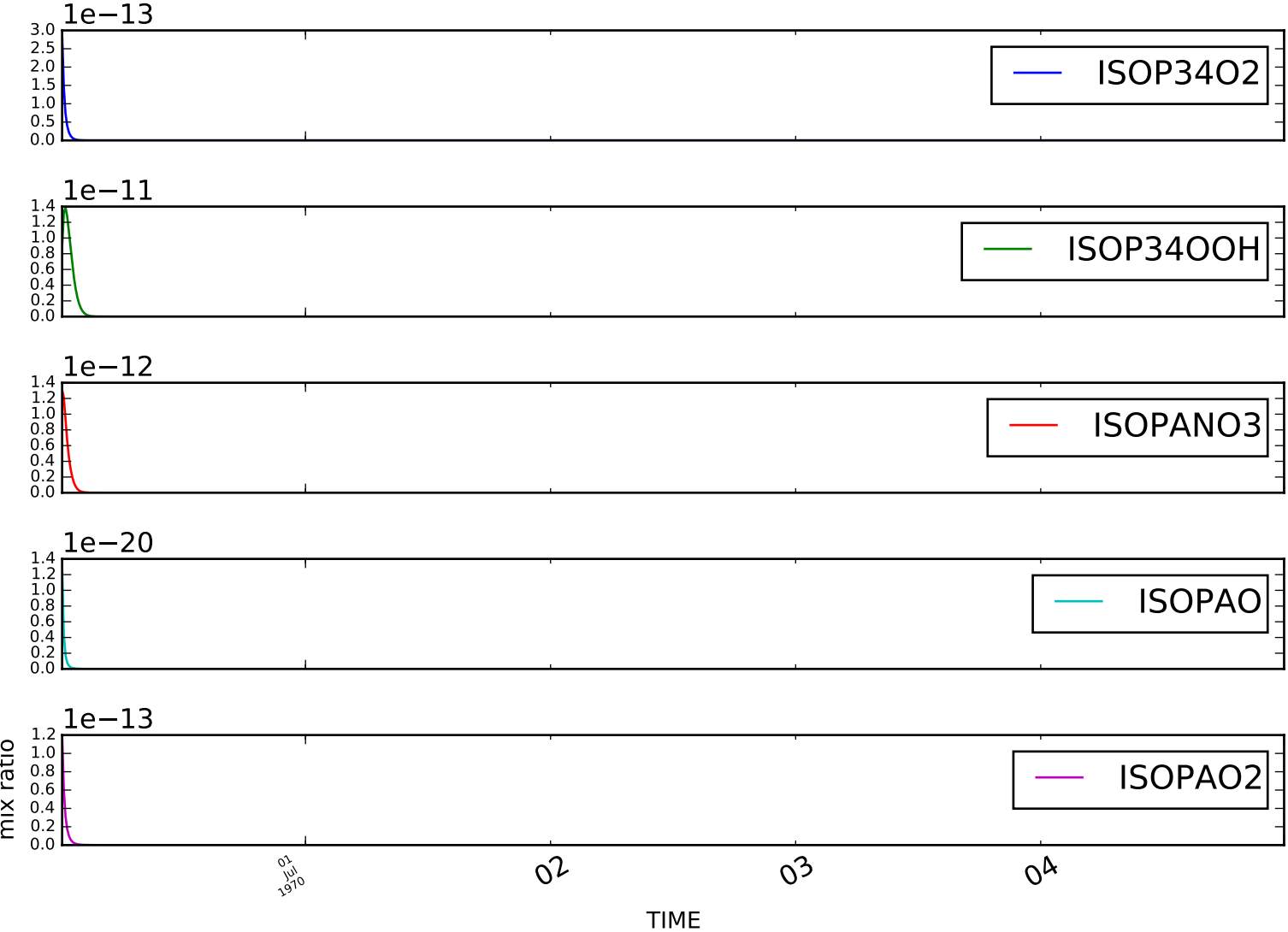
02
03
04
TIME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1.0
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1.2
1.0
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0.6
0.4
0.2
0.0
ISOP34OOH
1e−12
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ISOPANO3
1e−20
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
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1e−13
1.2
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0.4
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mix ratio
01
Jul
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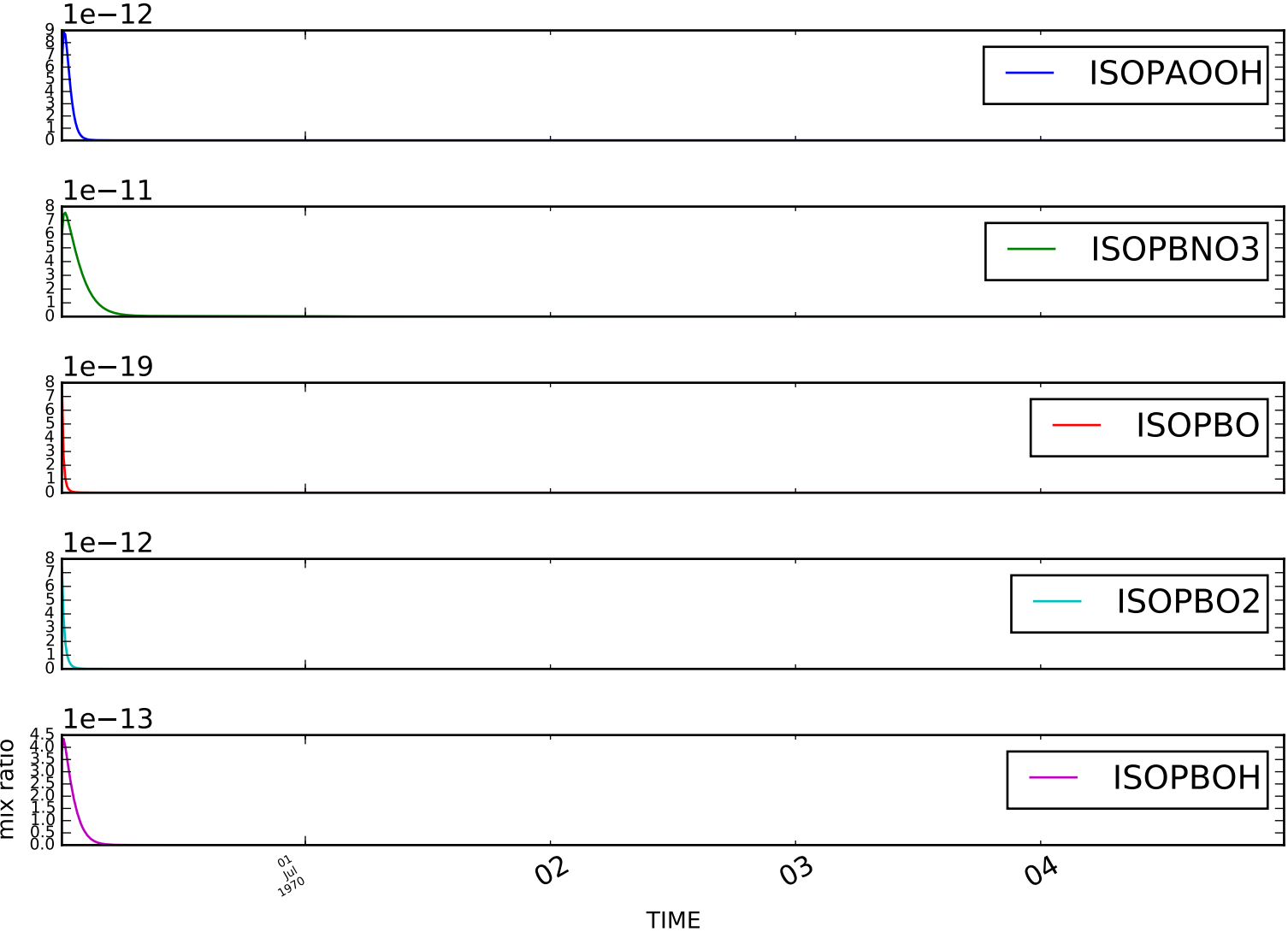
02
03
04
TIME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1e−11
ISOPBNO3
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1e−12
ISOPBO2
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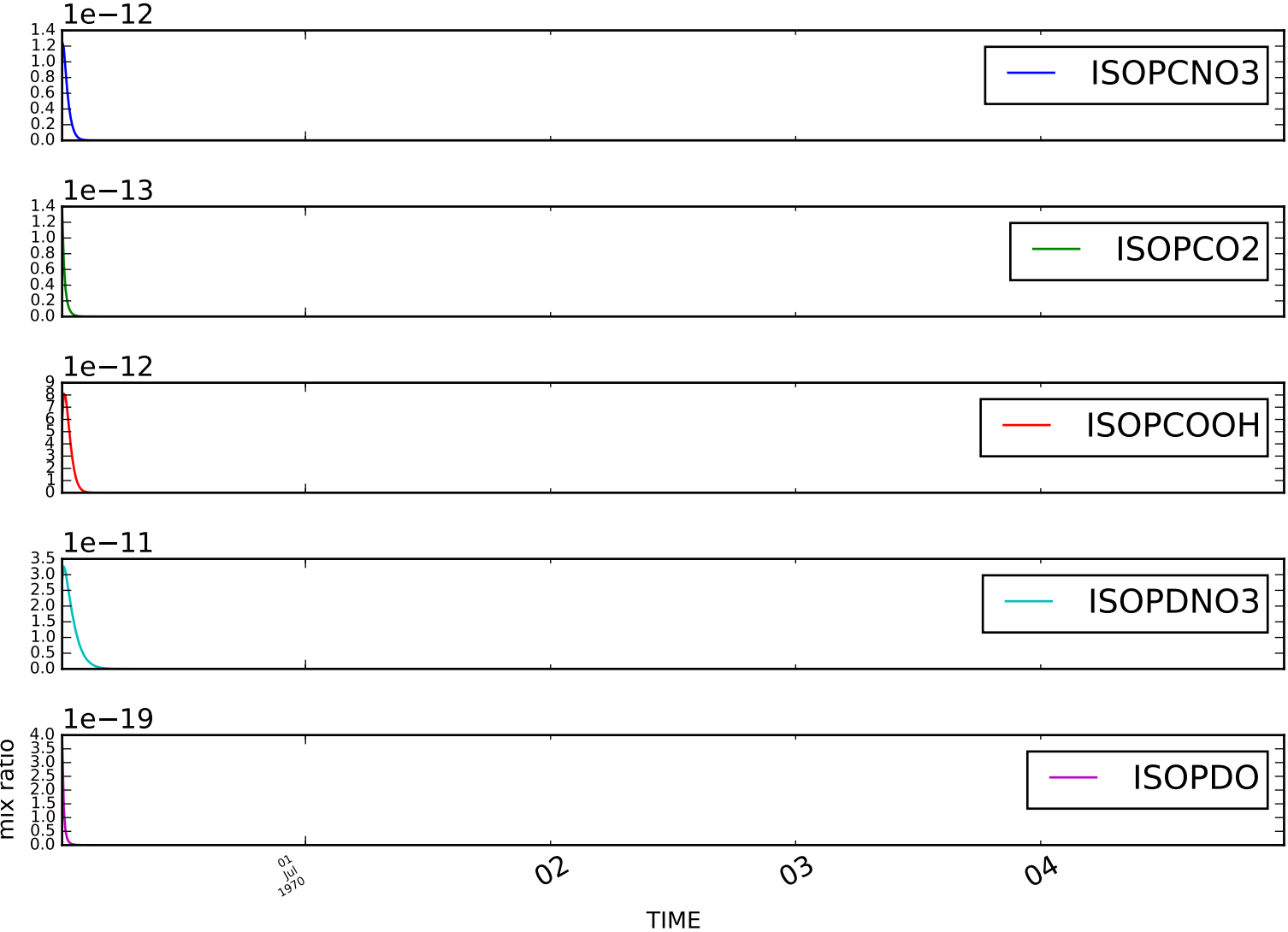
ISOPBOH
mix ratio
01
Jul
1970
02
03
04
TIME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1e−13
ISOPCO2
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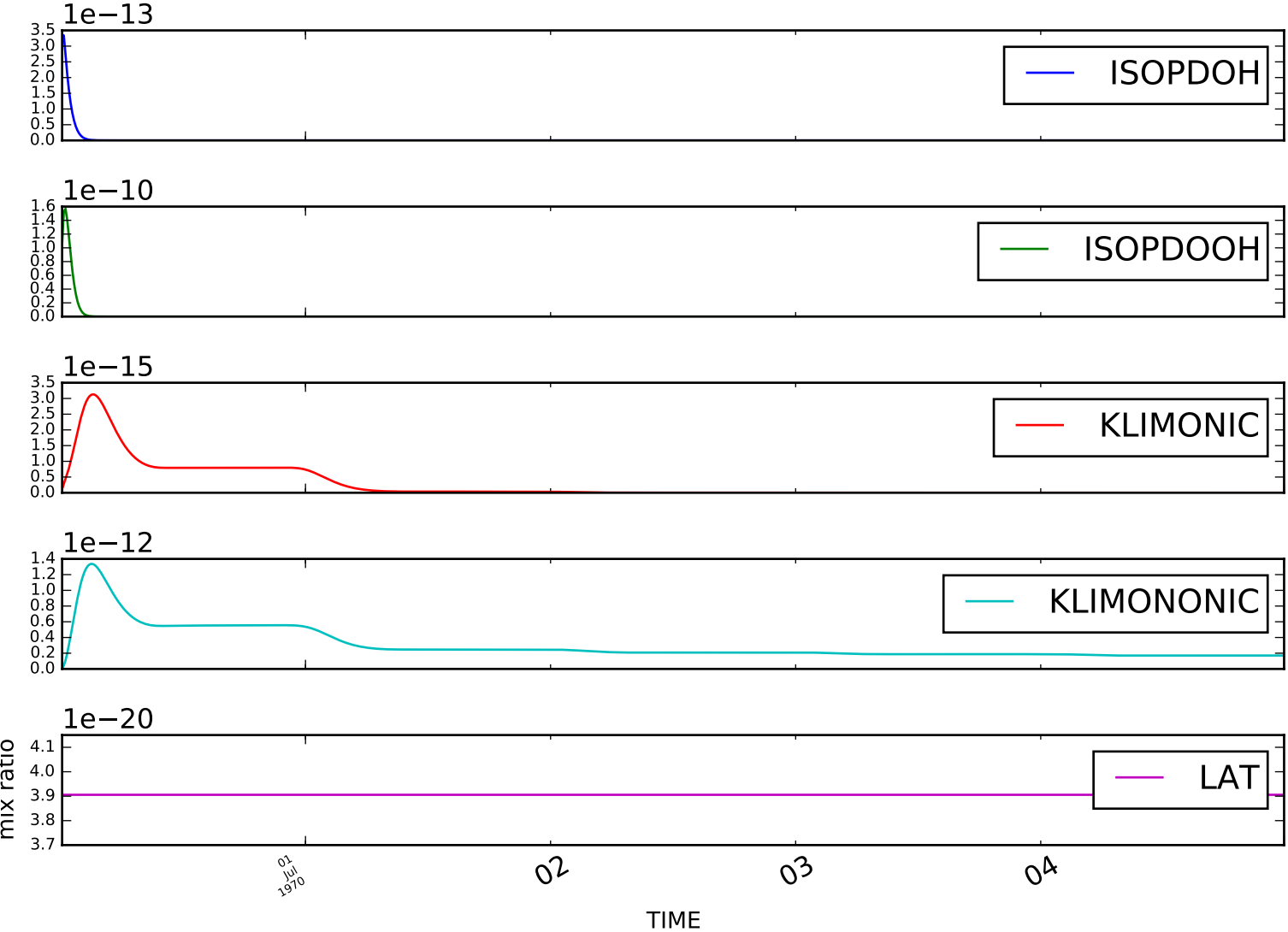
ISOPCOOH
1e−11
ISOPDNO3
1e−19
ISOPDO
mix ratio
01
Jul
1970
02
03
04
TIME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0.5
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1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ISOPDOOH
1e−15
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
KLIMONIC
1e−12
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
KLIMONONIC
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3.9
3.8
3.7
LAT
mix ratio
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Jul
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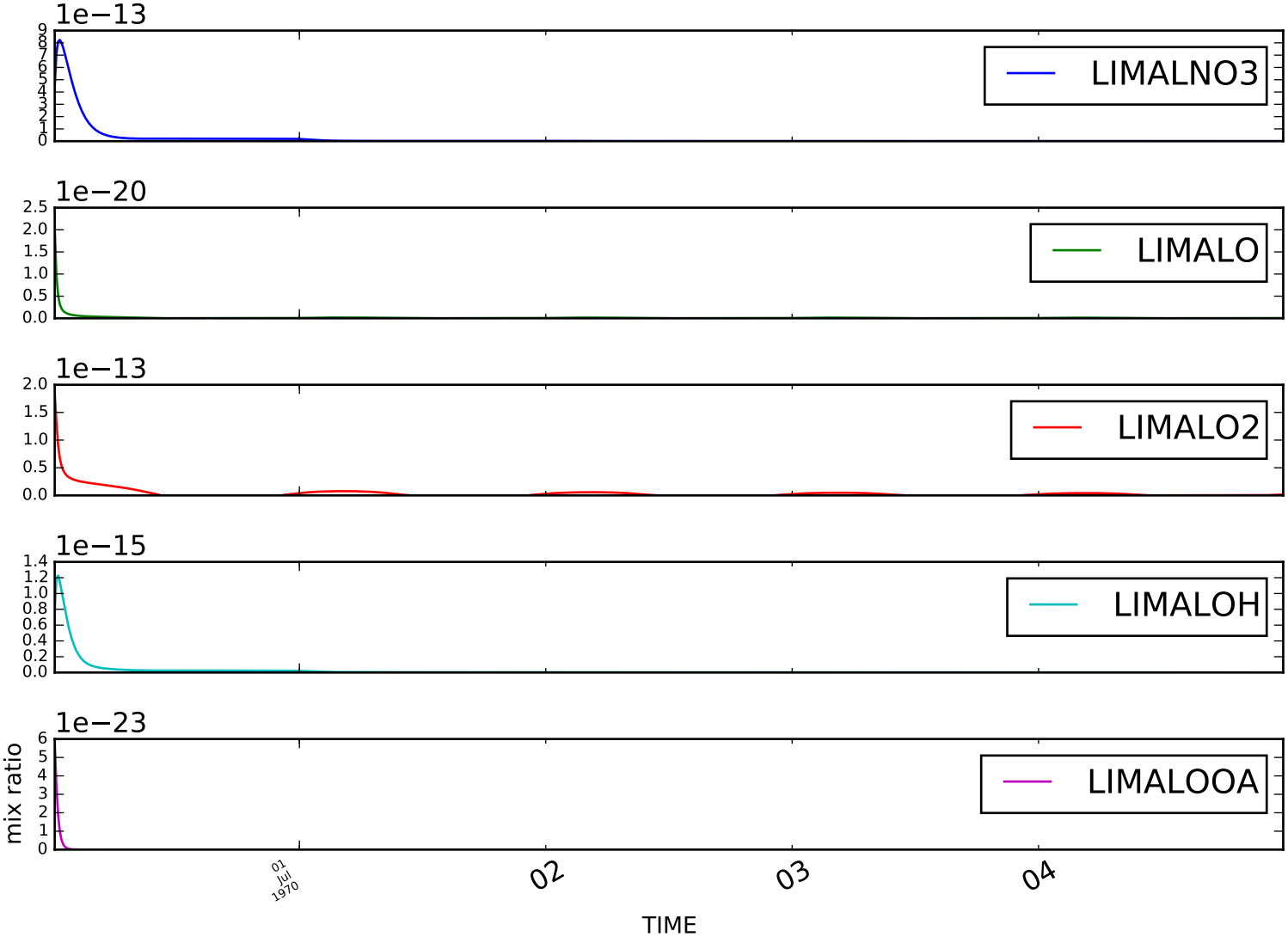
02
03
04
TIME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LIMALO
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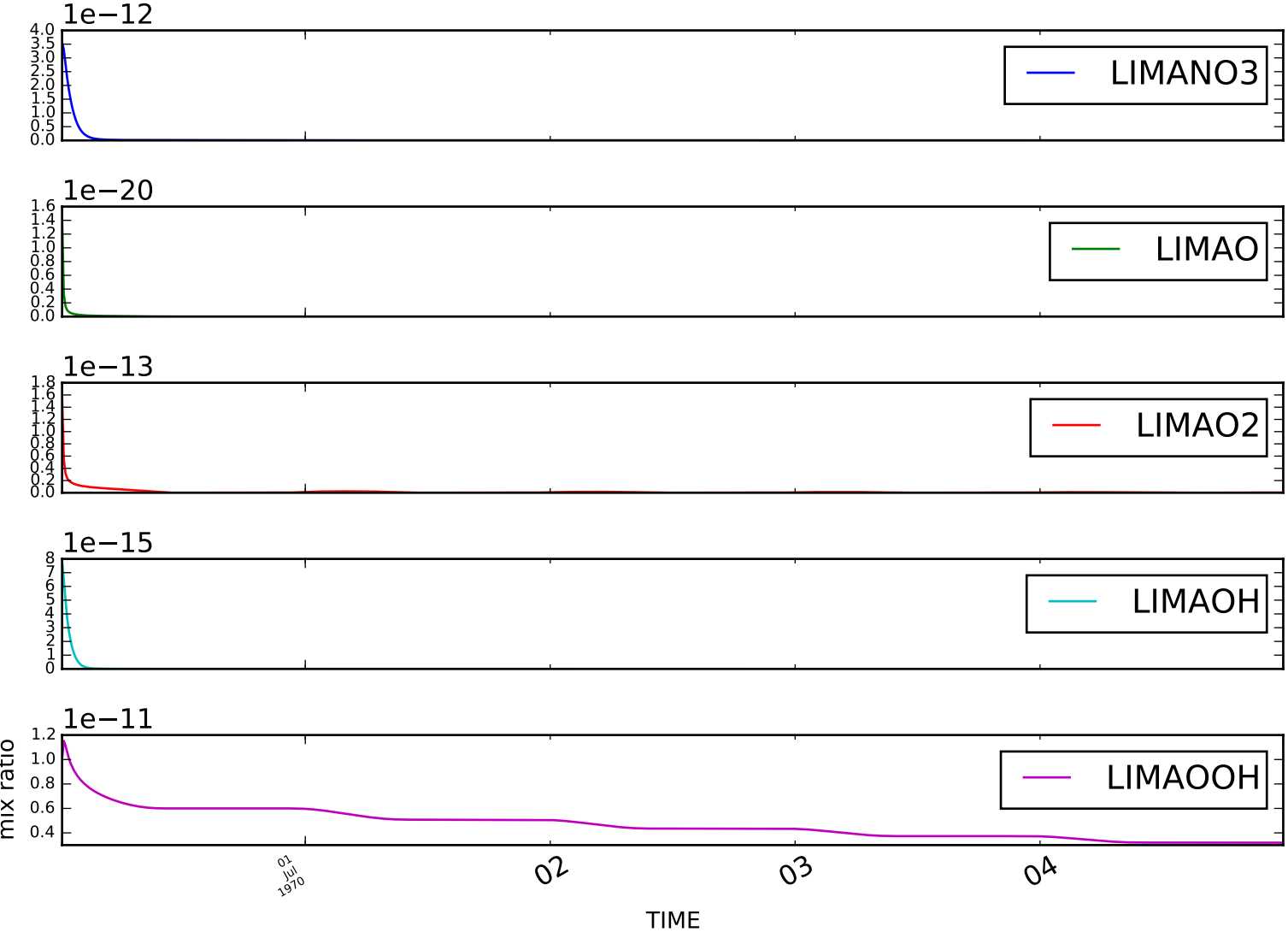
mix ratio
01
Jul
1970
02
03
04
TIME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2.0
1.5
1.0
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0.0
LIMANO3
1e−20
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
LIMAO
1e−13
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1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
LIMAO2
1e−15
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7
6
5
4
3
2
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LIMAOH
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0.6
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LIMAOOH
mix ratio
01
Jul
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02
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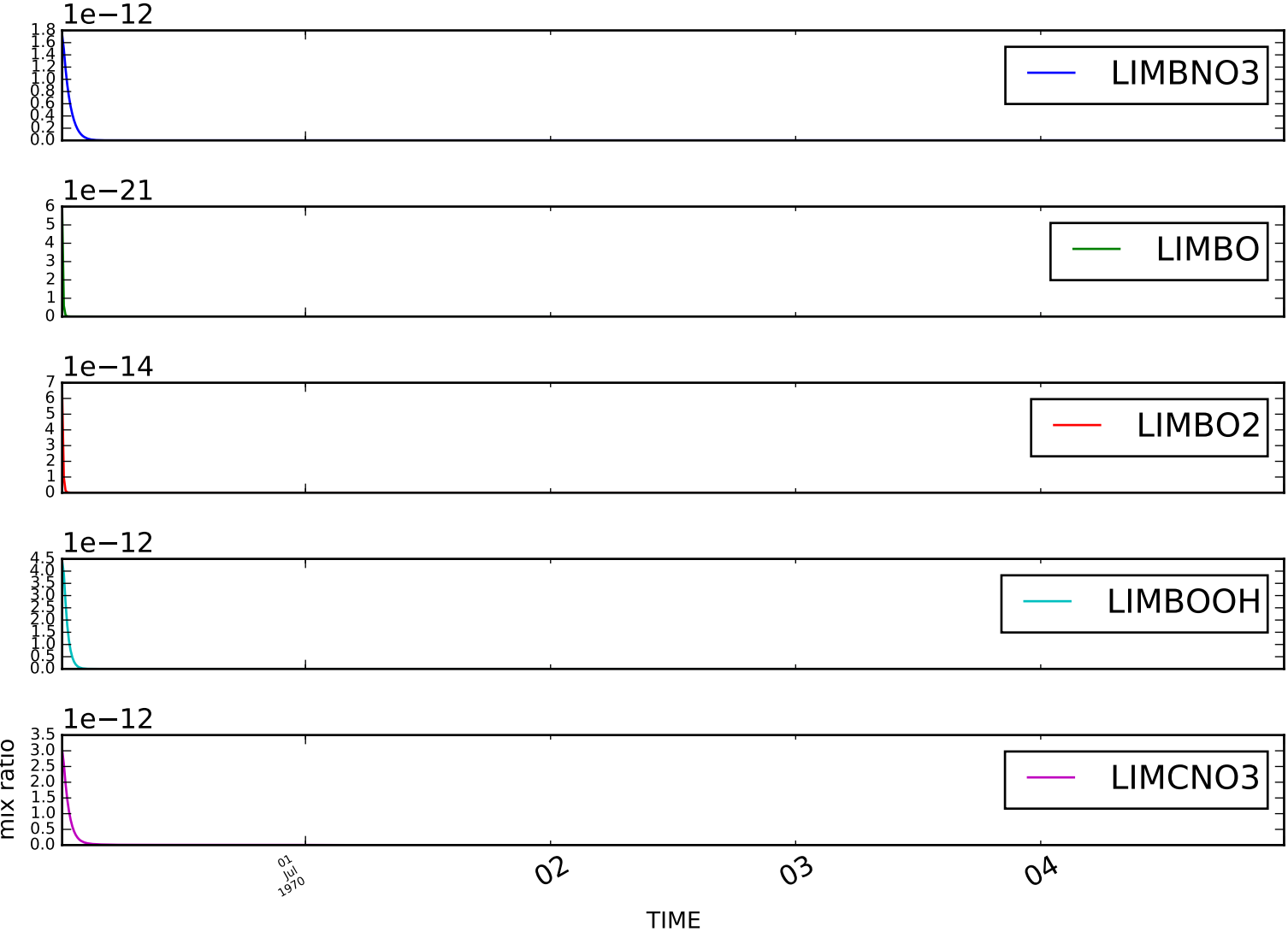
04
TIME


1e−12
LIMBNO3
1e−21
LIMBO
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LIMBOOH
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mix ratio
01
Jul
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02
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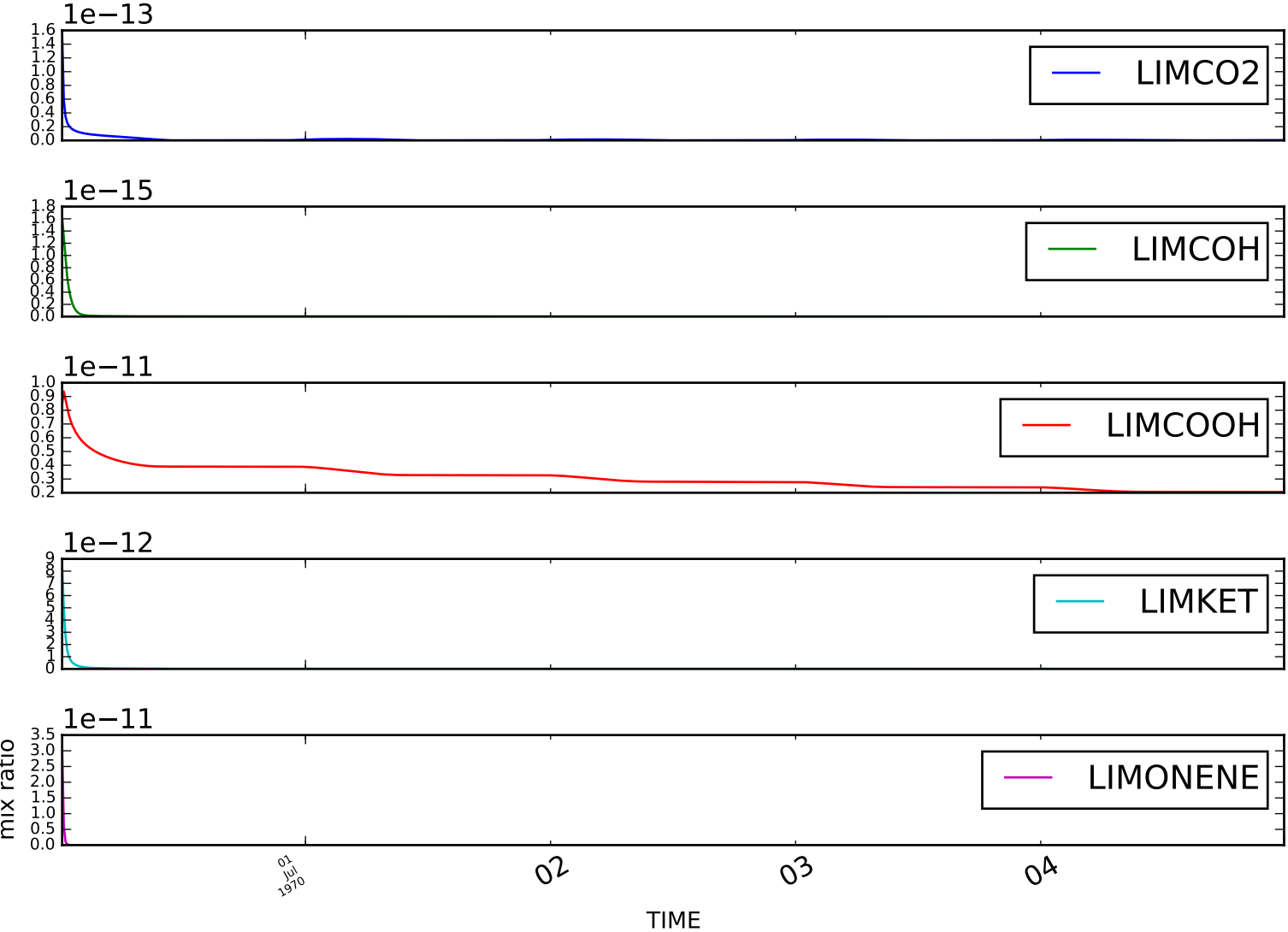
04
TIME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1e−15
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1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
LIMCOH
1e−11
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
LIMCOOH
1e−12
9
8
7
6
5
4
3
2
1
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LIMKET
1e−11
3.5
3.0
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mix ratio
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Jul
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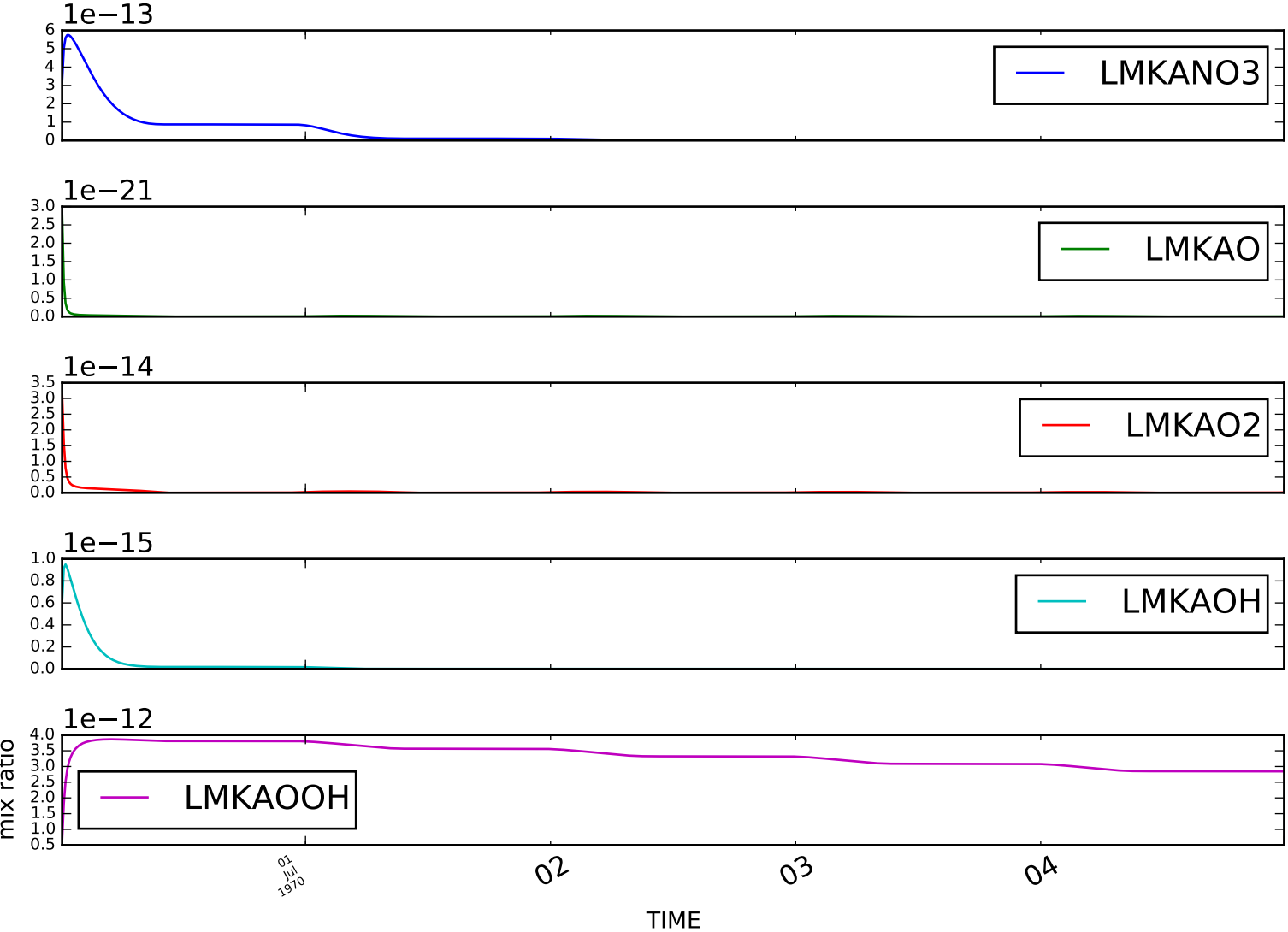
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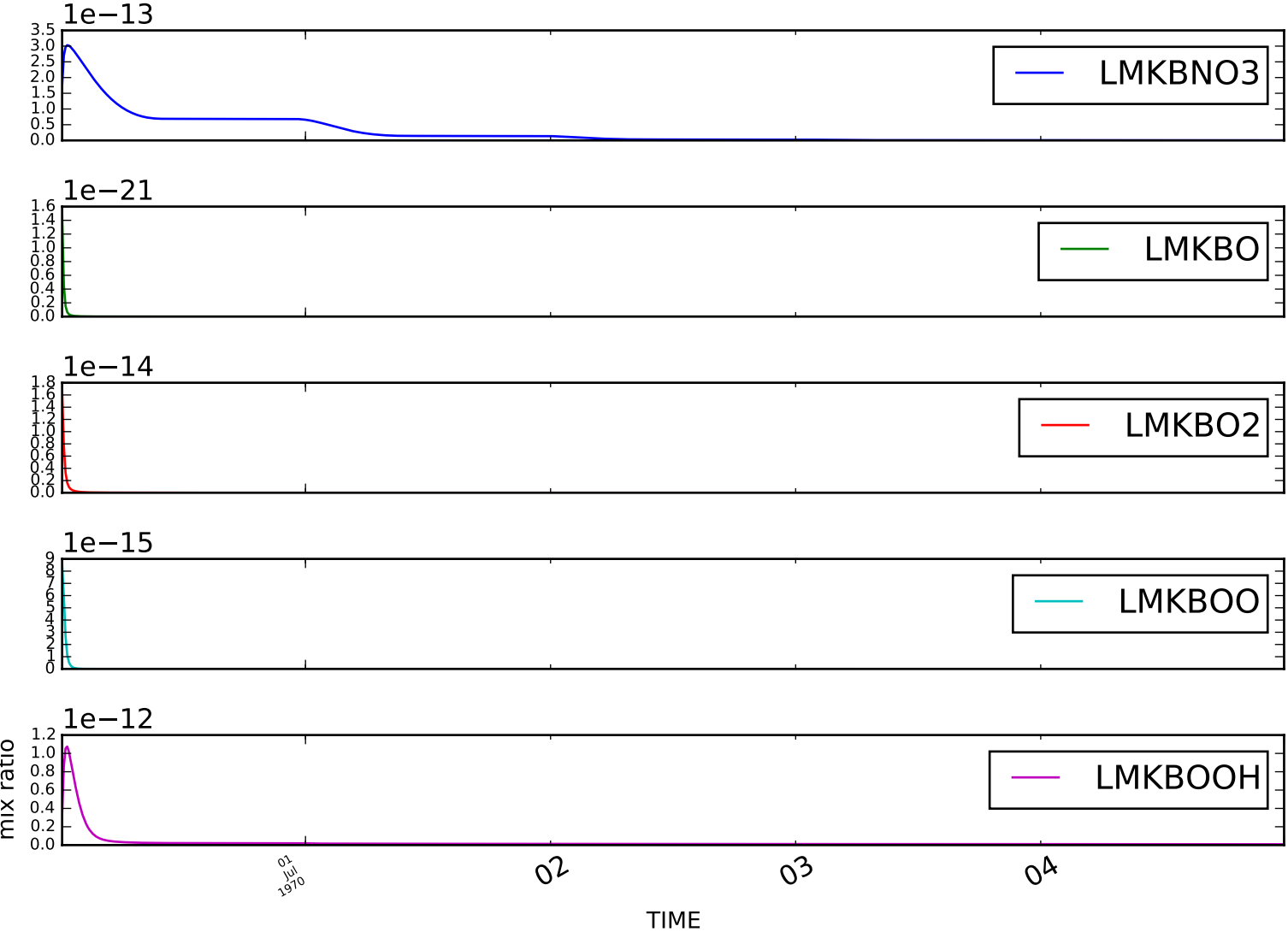
LMKAO
1e−14
LMKAO2
1e−15
LMKAOH
1e−12
LMKAOOH
mix ratio
01
Jul
1970
02
03
04
TIME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1.5
1.0
0.5
0.0
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1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
LMKBO
1e−14
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
LMKBO2
1e−15
9
8
7
6
5
4
3
2
1
0
LMKBOO
1e−12
1.2
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0.2
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mix ratio
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Jul
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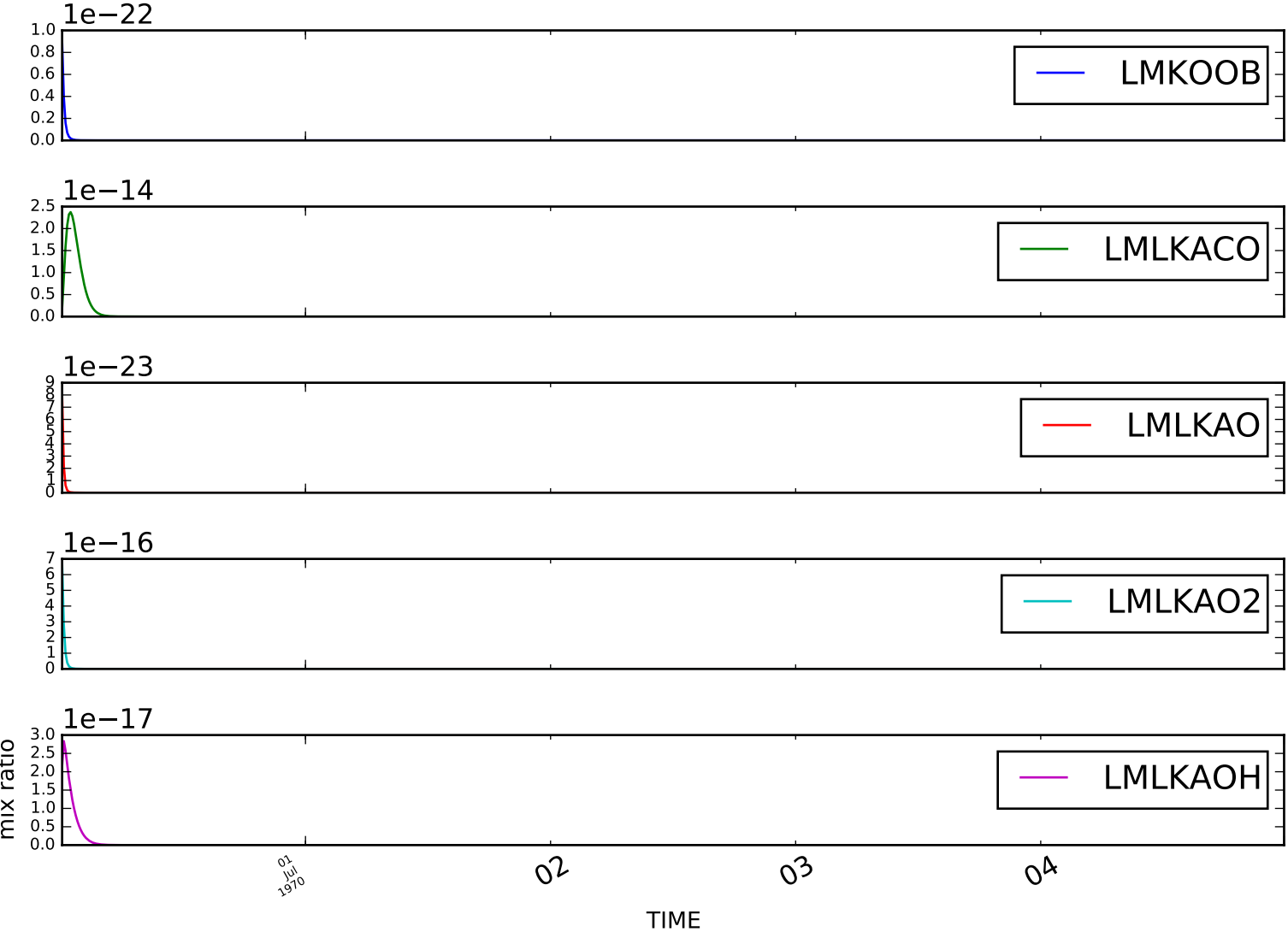
TIME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0.6
0.4
0.2
0.0
LMKOOB
1e−14
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2.0
1.5
1.0
0.5
0.0
LMLKACO
1e−23
9
8
7
6
5
4
3
2
1
0
LMLKAO
1e−16
7
6
5
4
3
2
1
0
LMLKAO2
1e−17
3.0
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2.0
1.5
1.0
0.5
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LMLKAOH
mix ratio
01
Jul
1970
02
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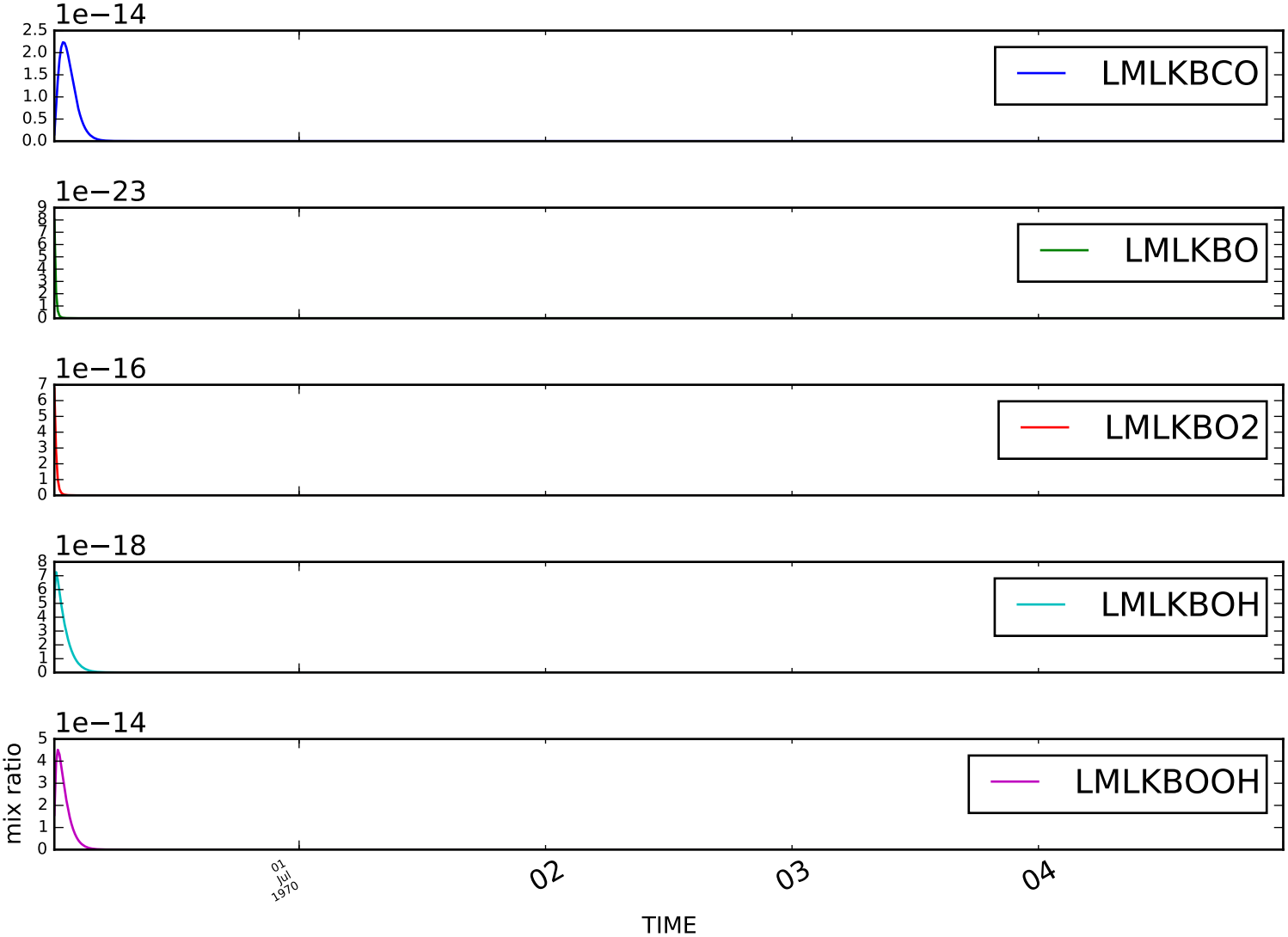
04
TIME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1.0
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0.0
LMLKBCO
1e−23
9
8
7
6
5
4
3
2
1
0
LMLKBO
1e−16
7
6
5
4
3
2
1
0
LMLKBO2
1e−18
8
7
6
5
4
3
2
1
0
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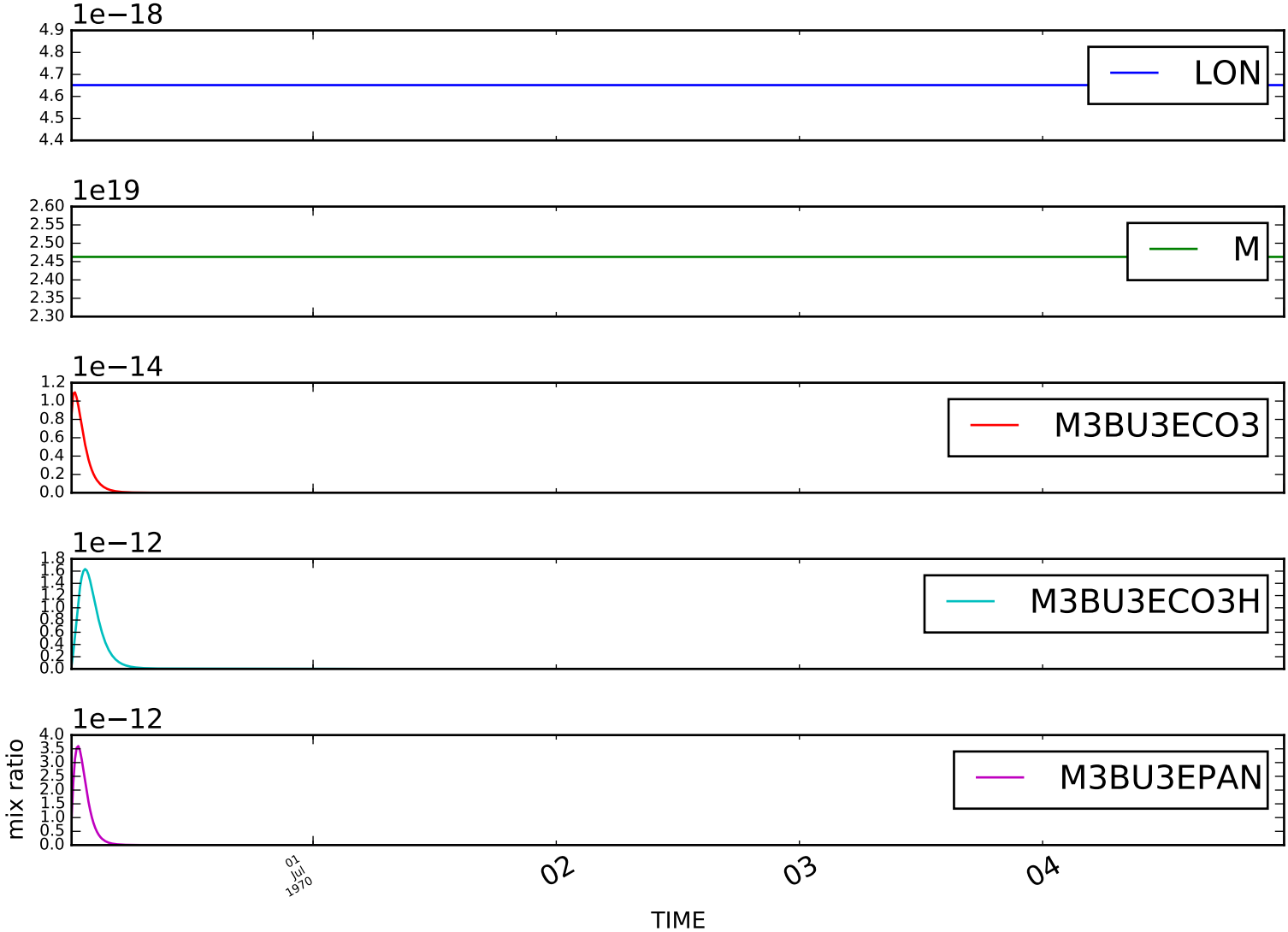
1e−14
5
4
3
2
1
0
LMLKBOOH
mix ratio
01
Jul
1970
02
03
04
TIME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4.8
4.7
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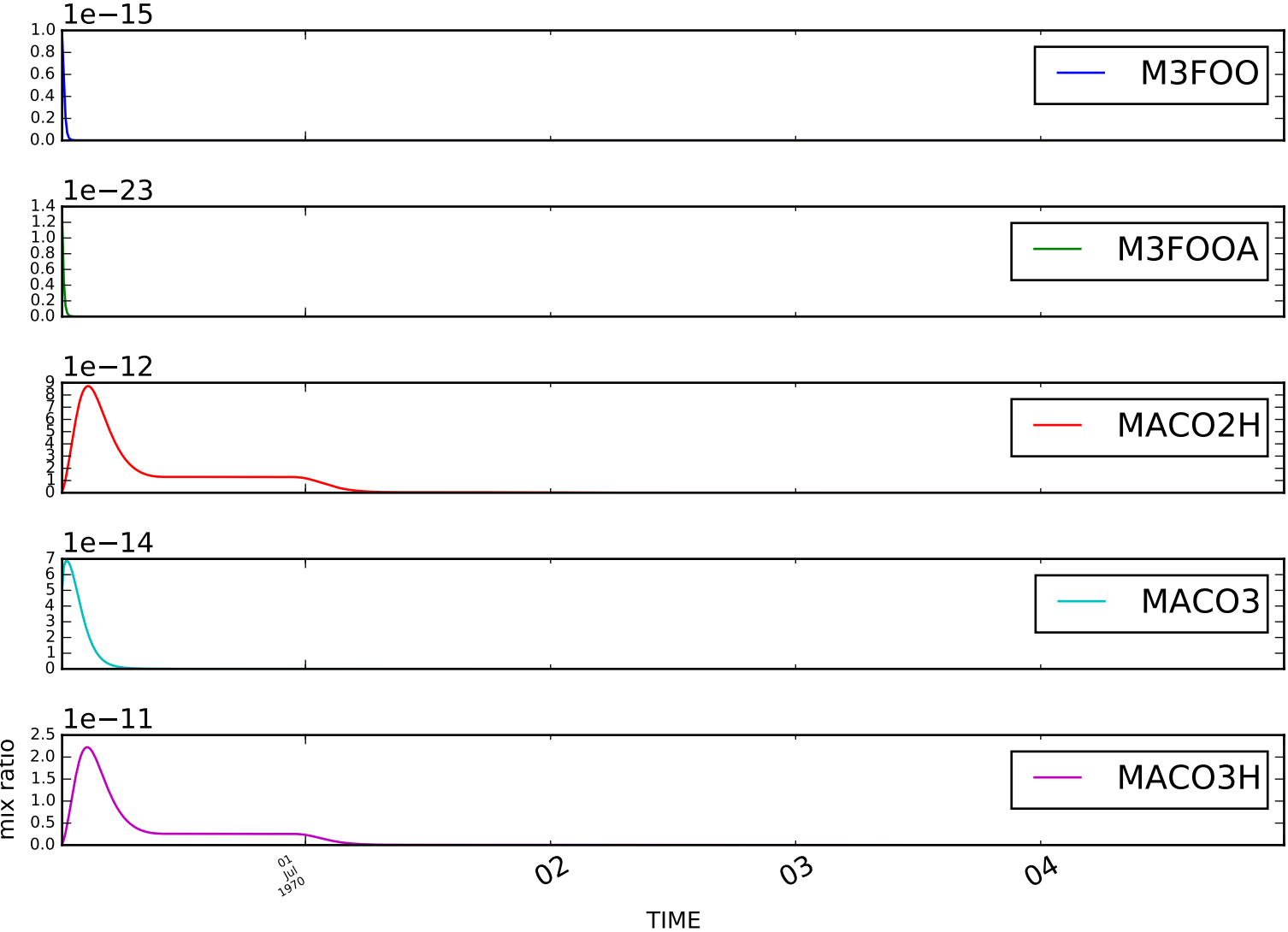
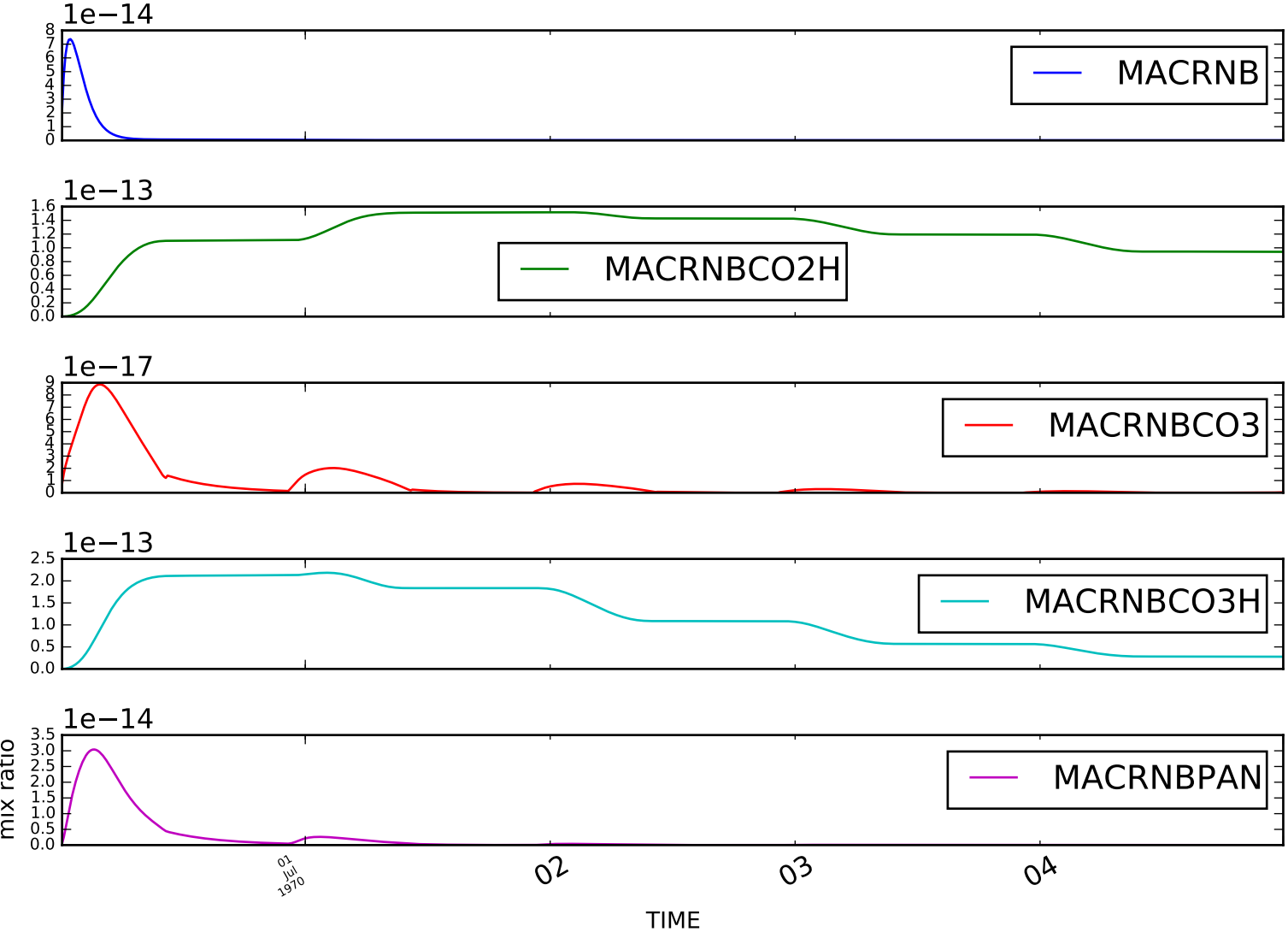
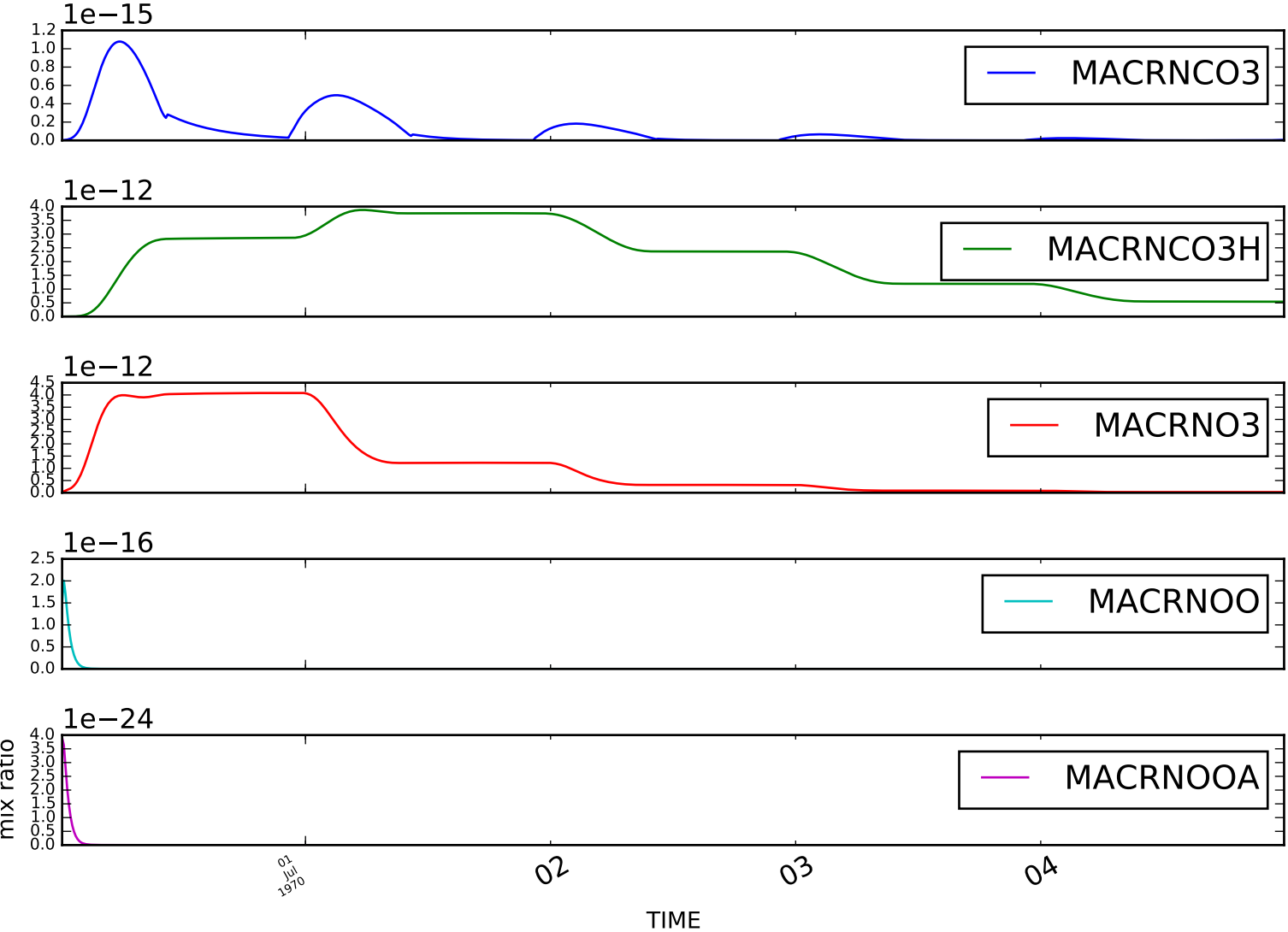
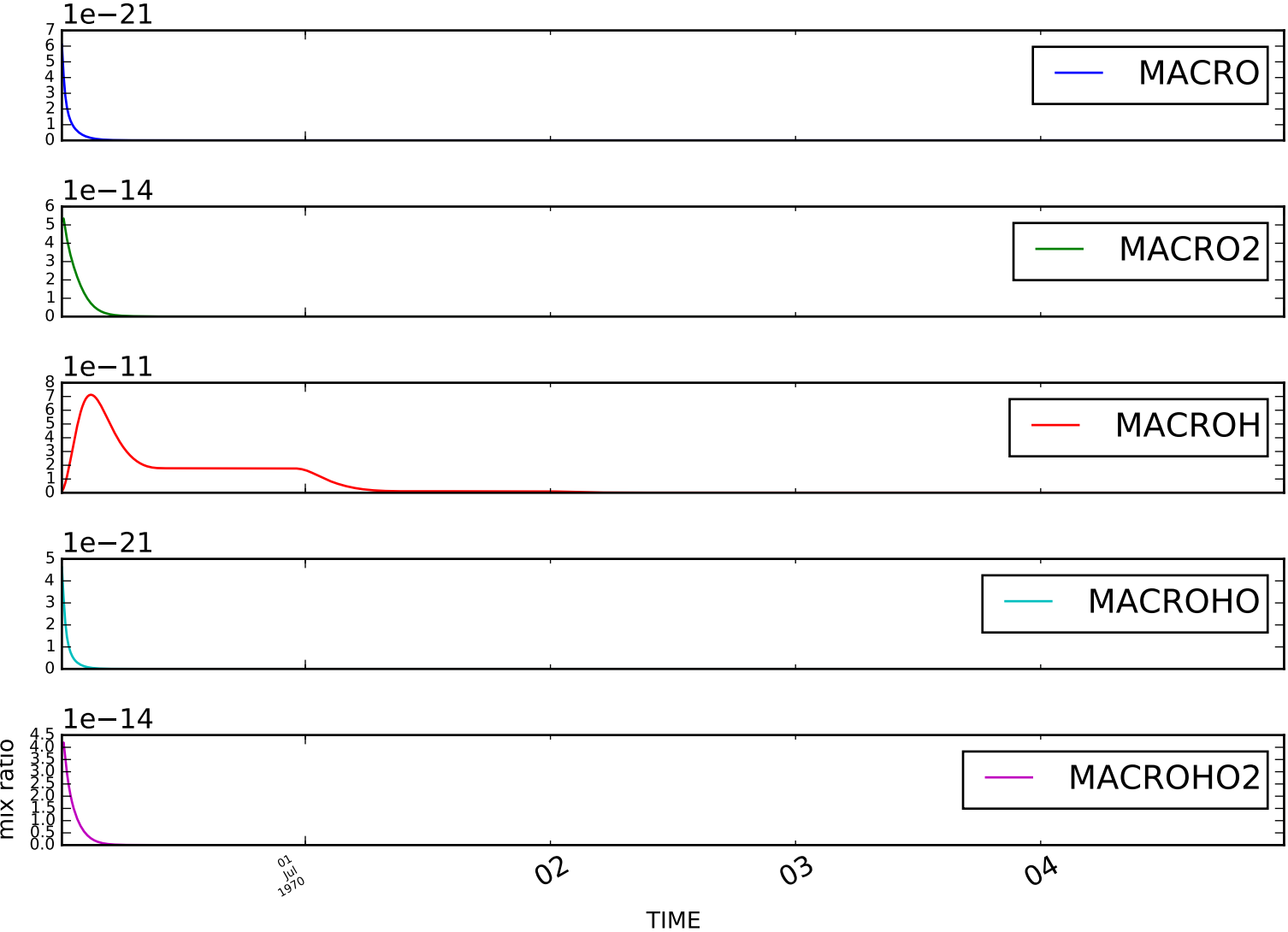
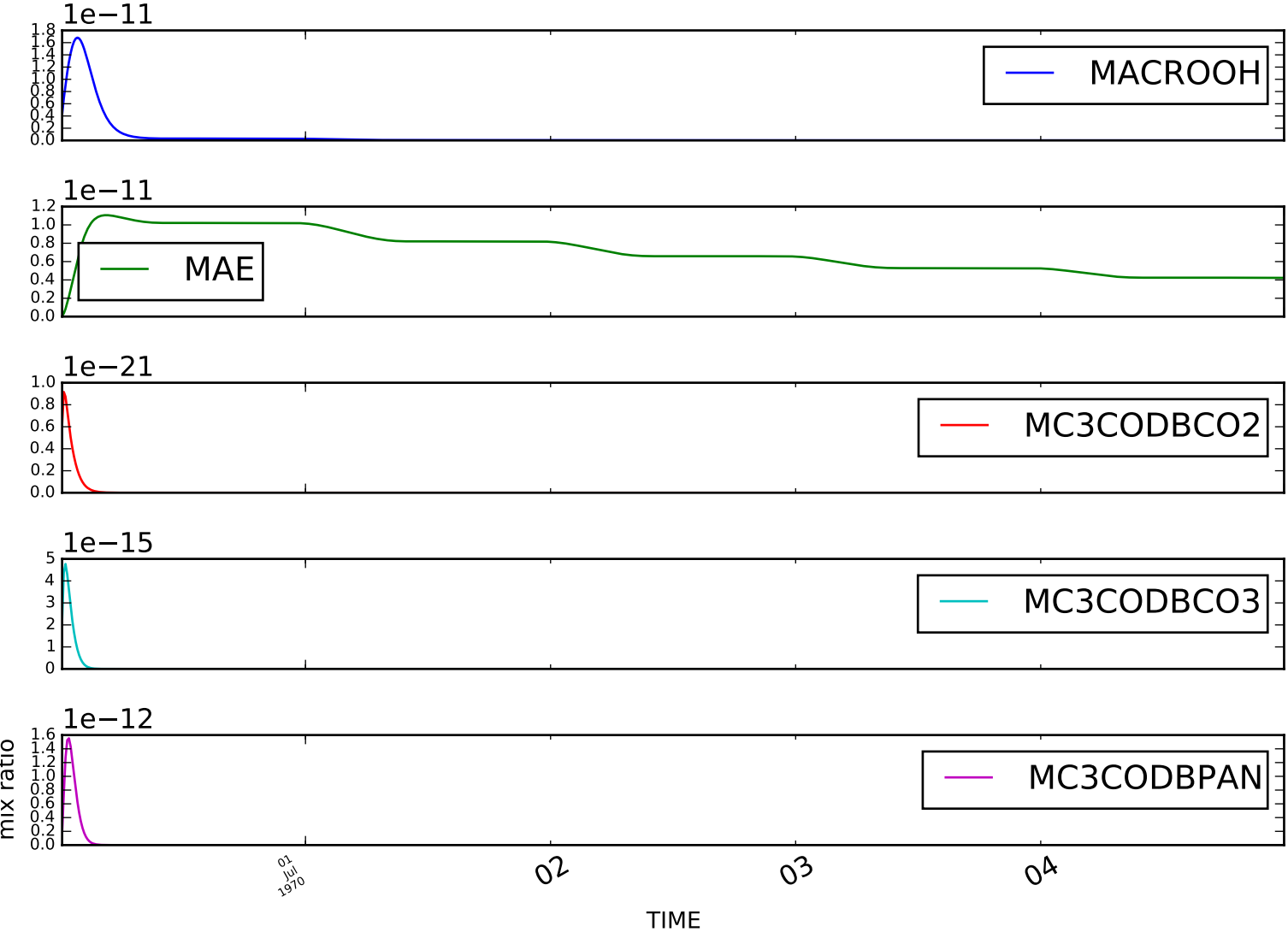
4.5
4.4
LON
1e19
2.60
2.55
2.50
2.45
2.40
2.35
2.30
M
1e−14
1.2
1.0
0.8
0.6
0.4
0.2
0.0
M3BU3ECO3
1e−12
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
M3BU3ECO3H
1e−12
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
M3BU3EPAN
mix ratio
01
Jul
1970
02
03
04
TIME

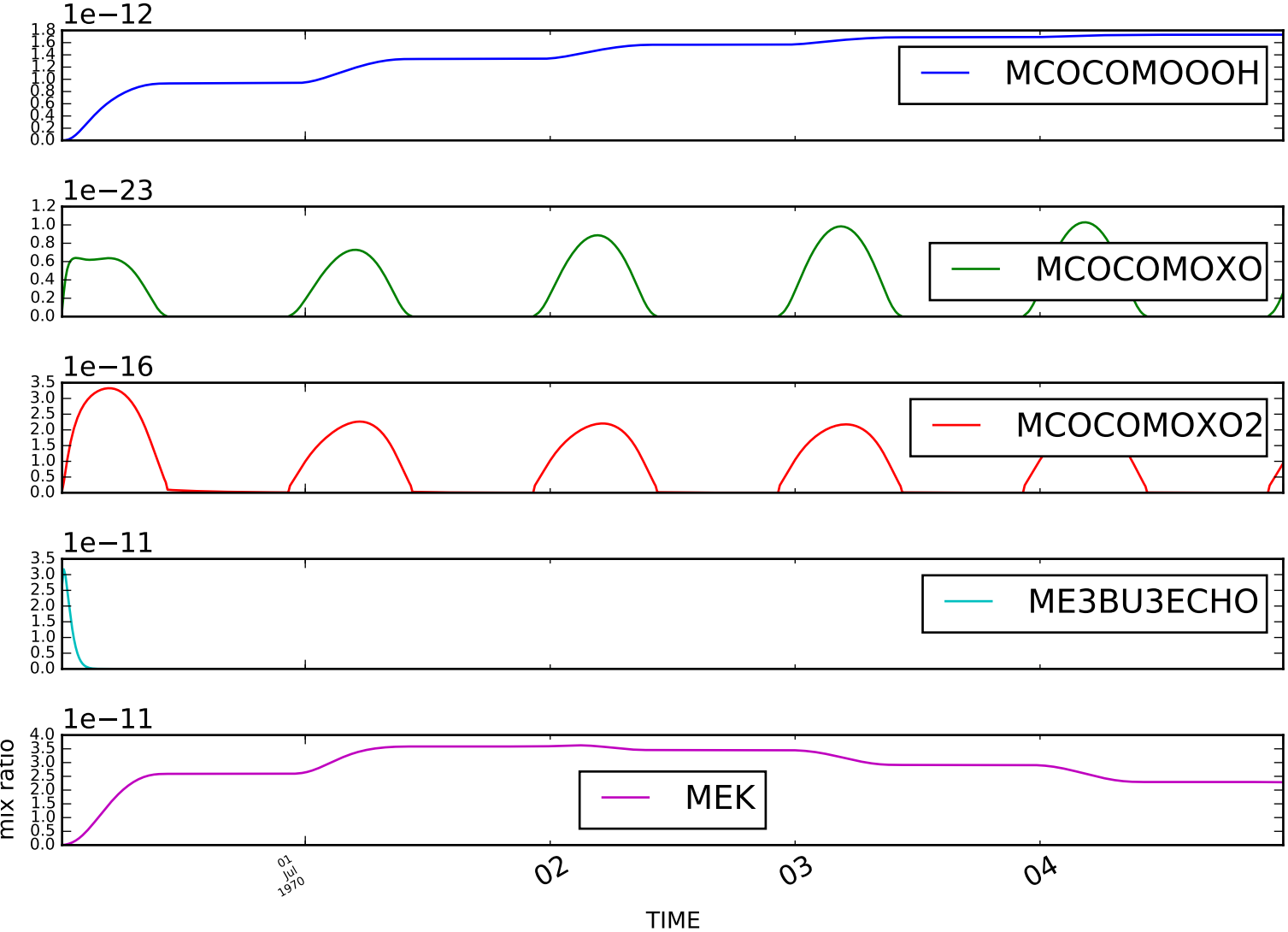

1e−15
M3FOO
1e−23
M3FOOA
1e−12
MACO2H
1e−14
MACO3
1e−11
MACO3H
mix ratio
01
Jul
1970
02
03
04
TIME

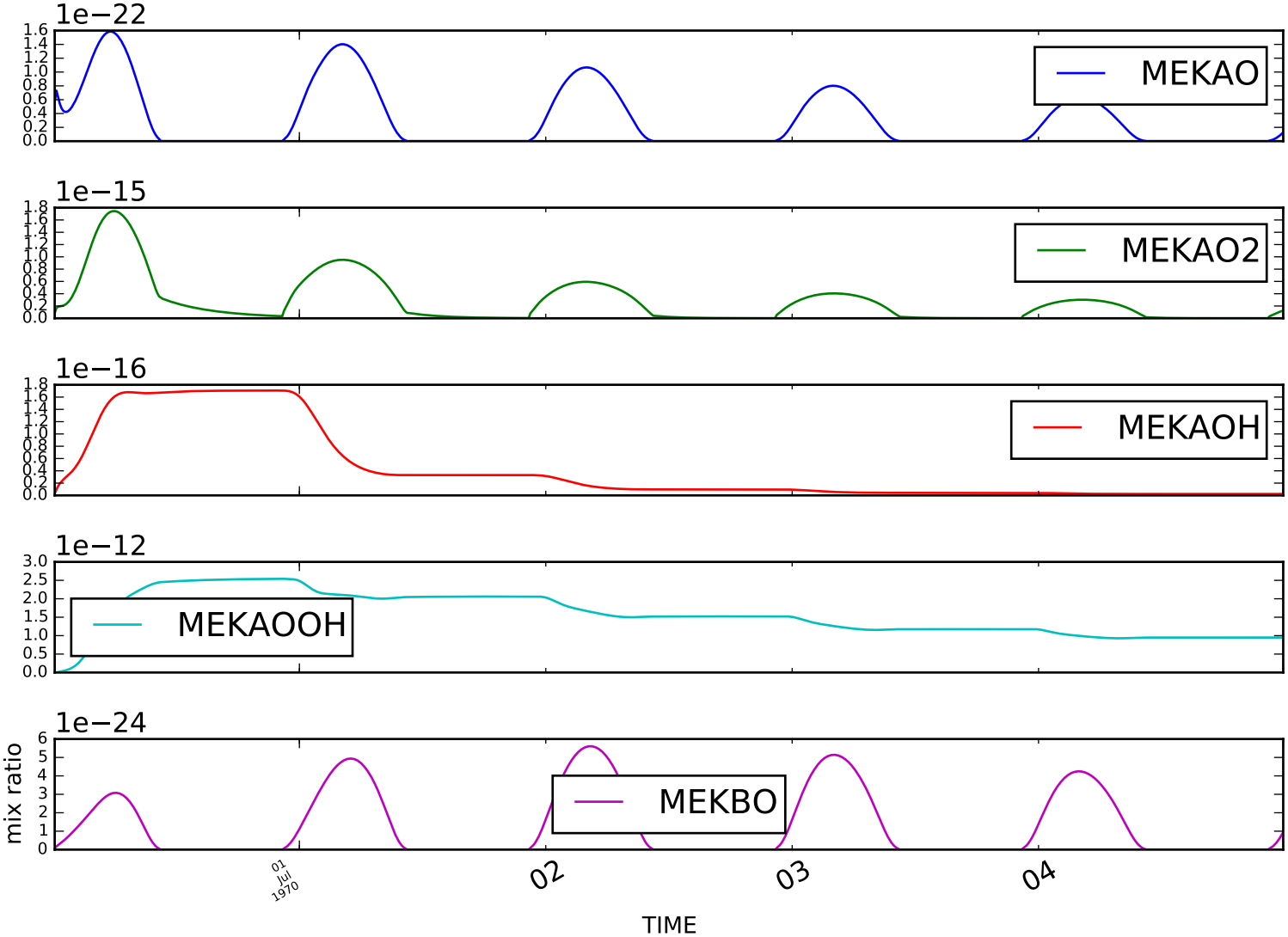

1e−14
MACRNB
1e−13
MACRNBCO2H
1e−17
MACRNBCO3
1e−13
MACRNBCO3H
1e−14
MACRNBPAN
mix ratio
01
Jul
1970
02
03
04
TIME

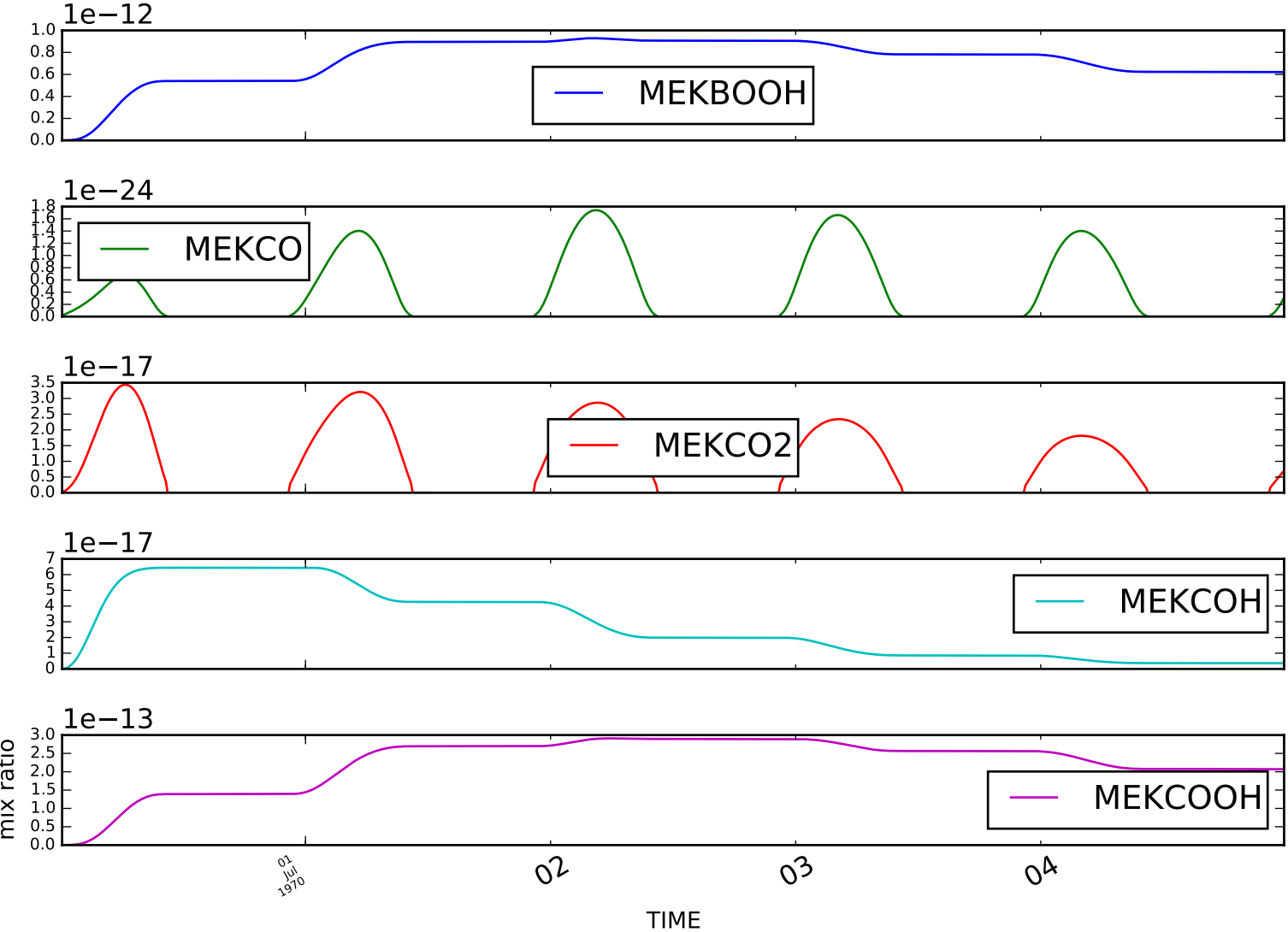

1e−15
MACRNCO3
1e−12
MACRNCO3H
1e−12
MACRNO3
1e−16
MACRNOO
1e−24
MACRNOOA
mix ratio
01
Jul
1970
02
03
04
TIME

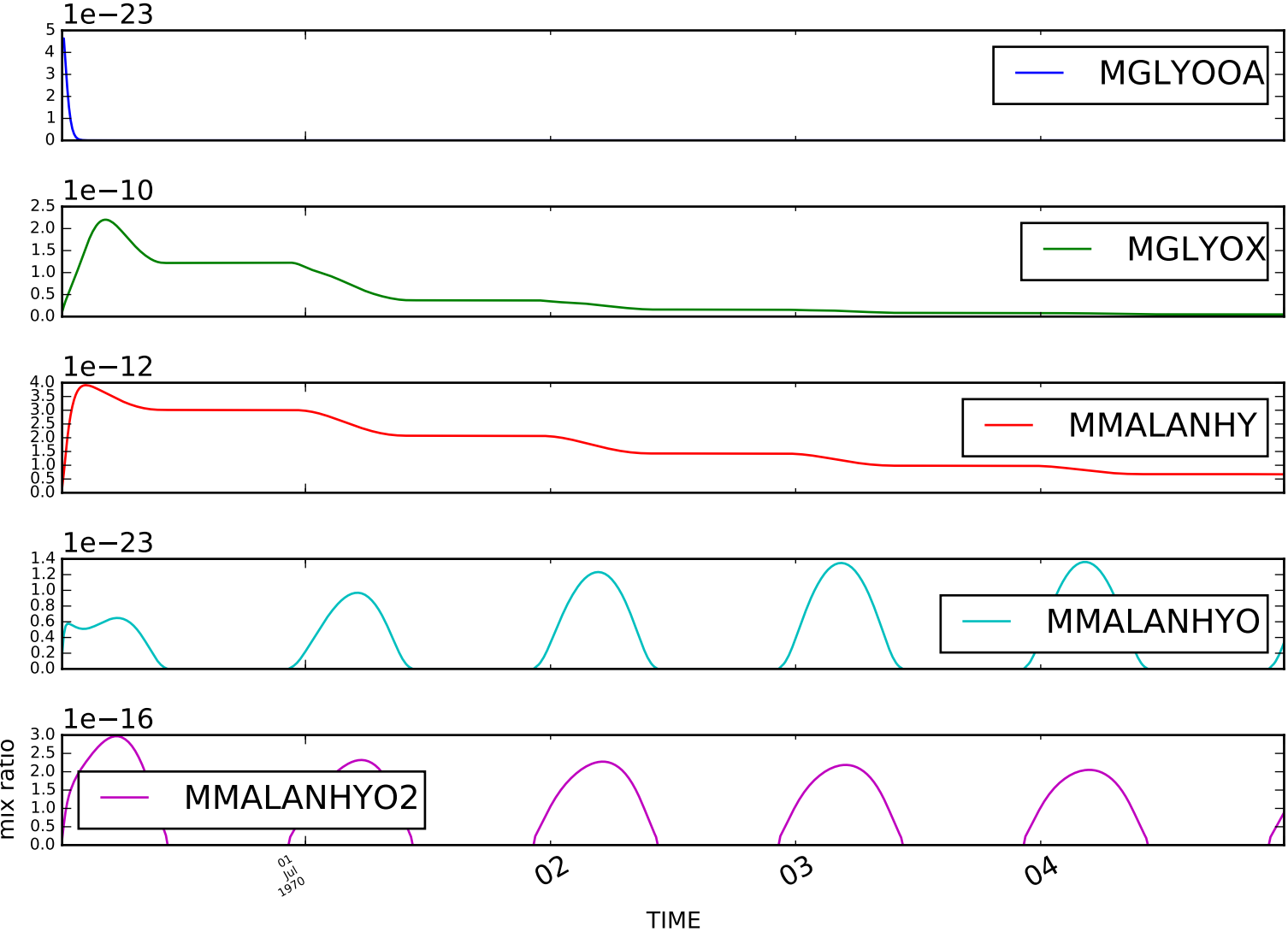

1e−21
MACRO
1e−14
MACRO2
1e−11
MACROH
1e−21
MACROHO
1e−14
MACROHO2
mix ratio
01
Jul
1970
02
03
04
TIME

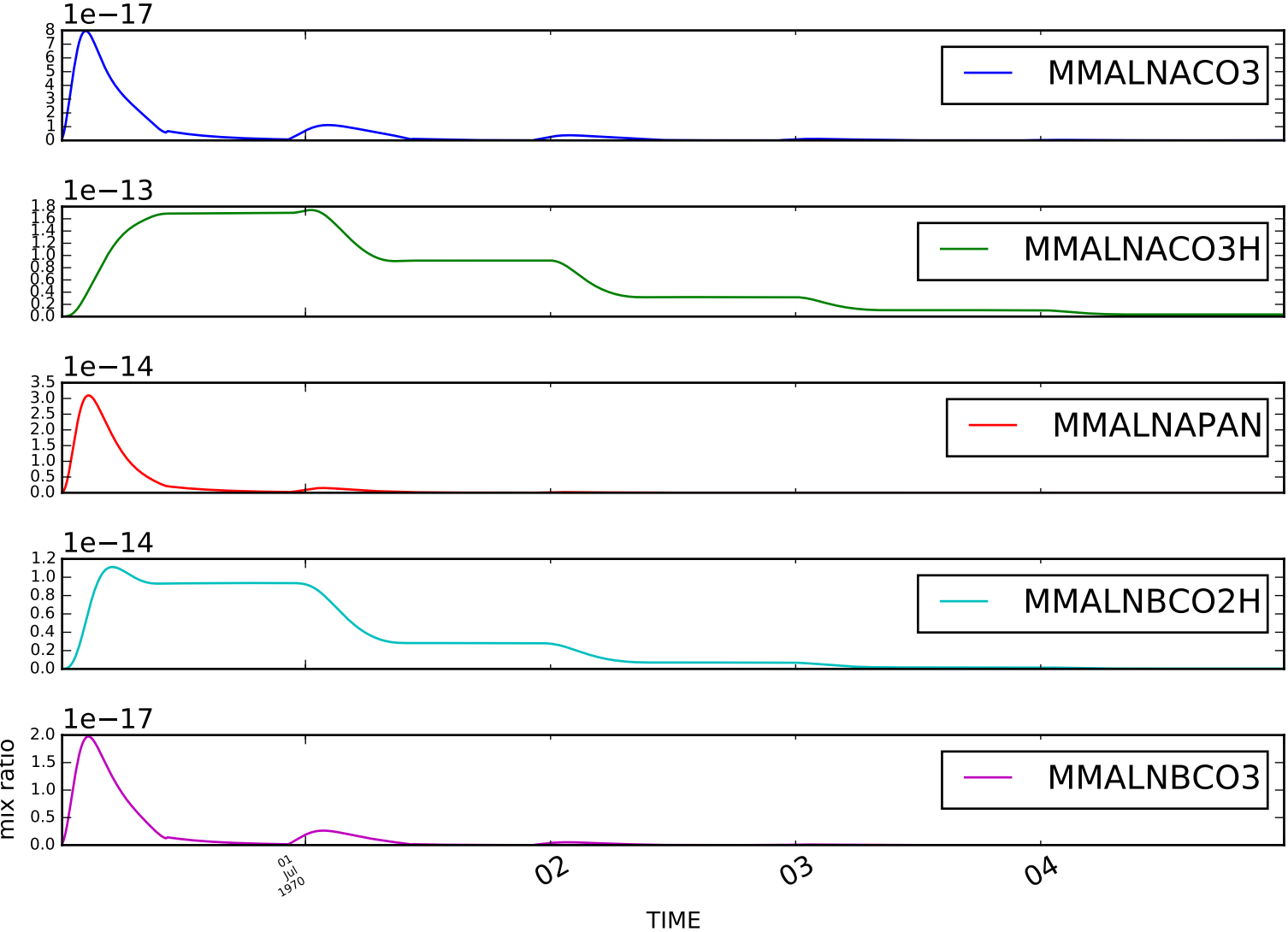

1e−11
MACROOH
1e−11
MAE
1e−21
MC3CODBCO2
1e−15
MC3CODBCO3
1e−12
MC3CODBPAN
mix ratio
01
Jul
1970
02
03
04
TIME

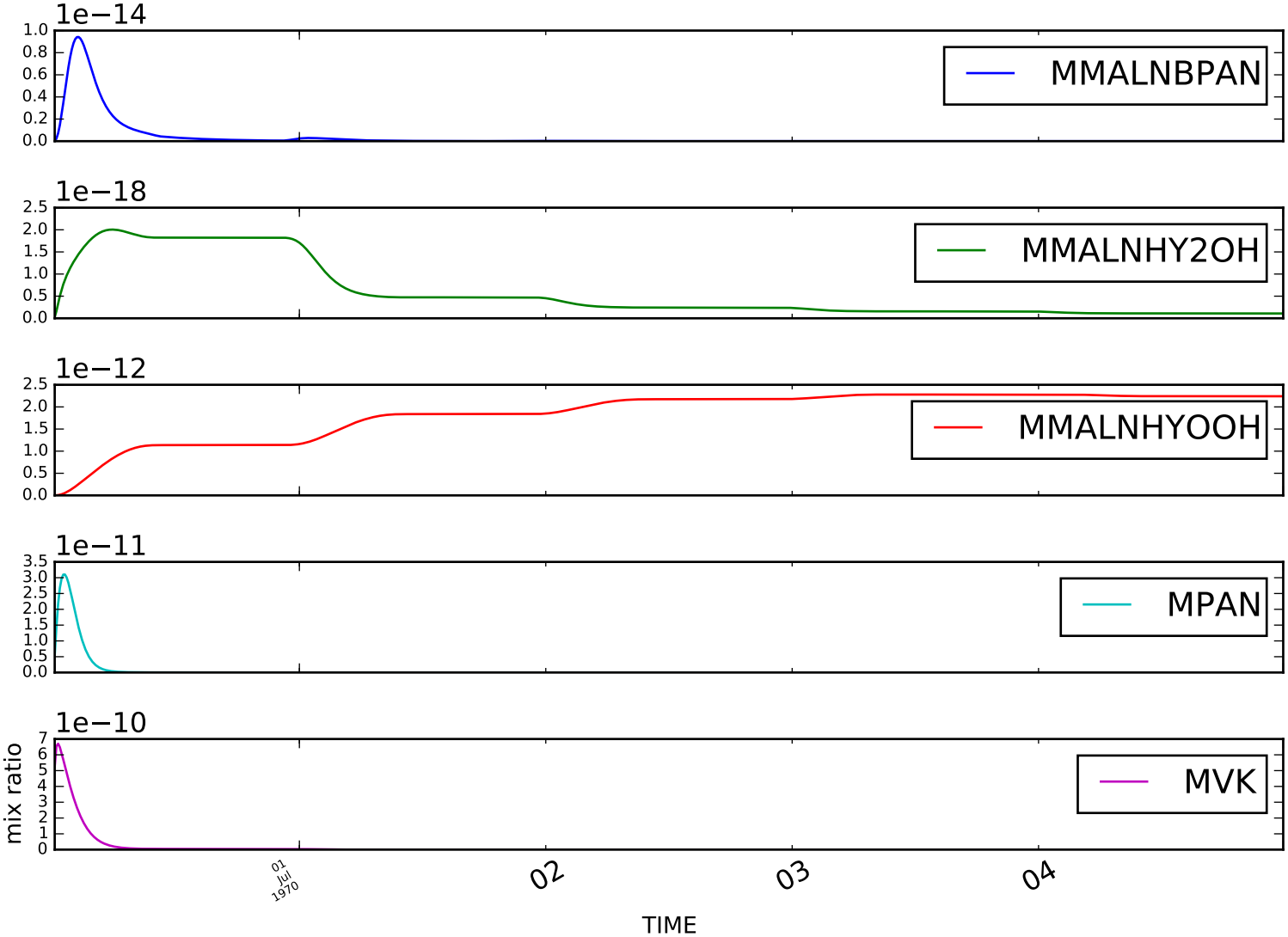

1e−12
MCOCOMOOOH
1e−23
MCOCOMOXO
1e−16
MCOCOMOXO2
1e−11
ME3BU3ECHO
1e−11
MEK
mix ratio
01
Jul
1970
02
03
04
TIME

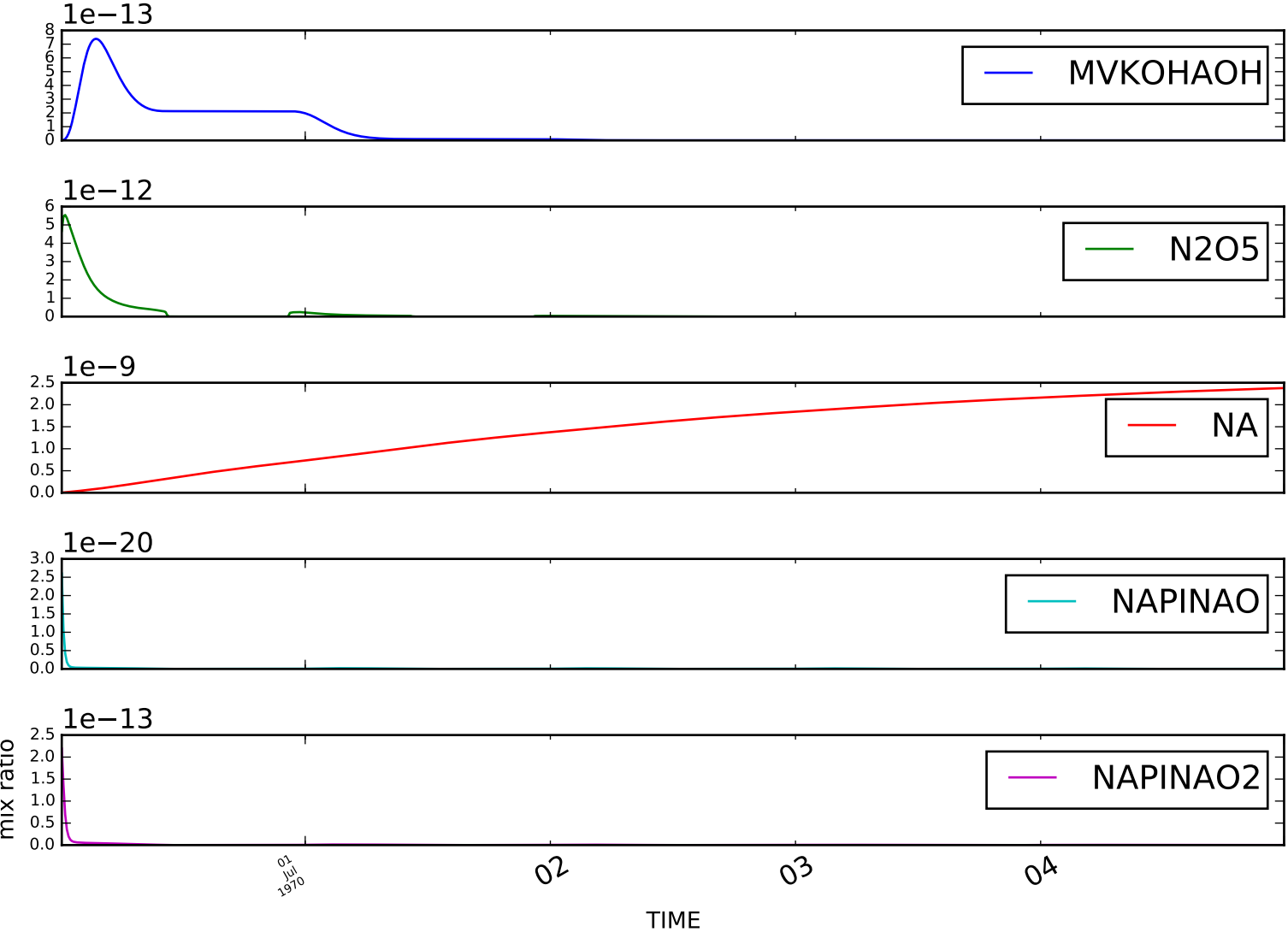

1e−22
MEKAO
1e−15
MEKAO2
1e−16
MEKAOH
1e−12
MEKAOOH
1e−24
MEKBO
mix ratio
01
Jul
1970
02
03
04
TIME

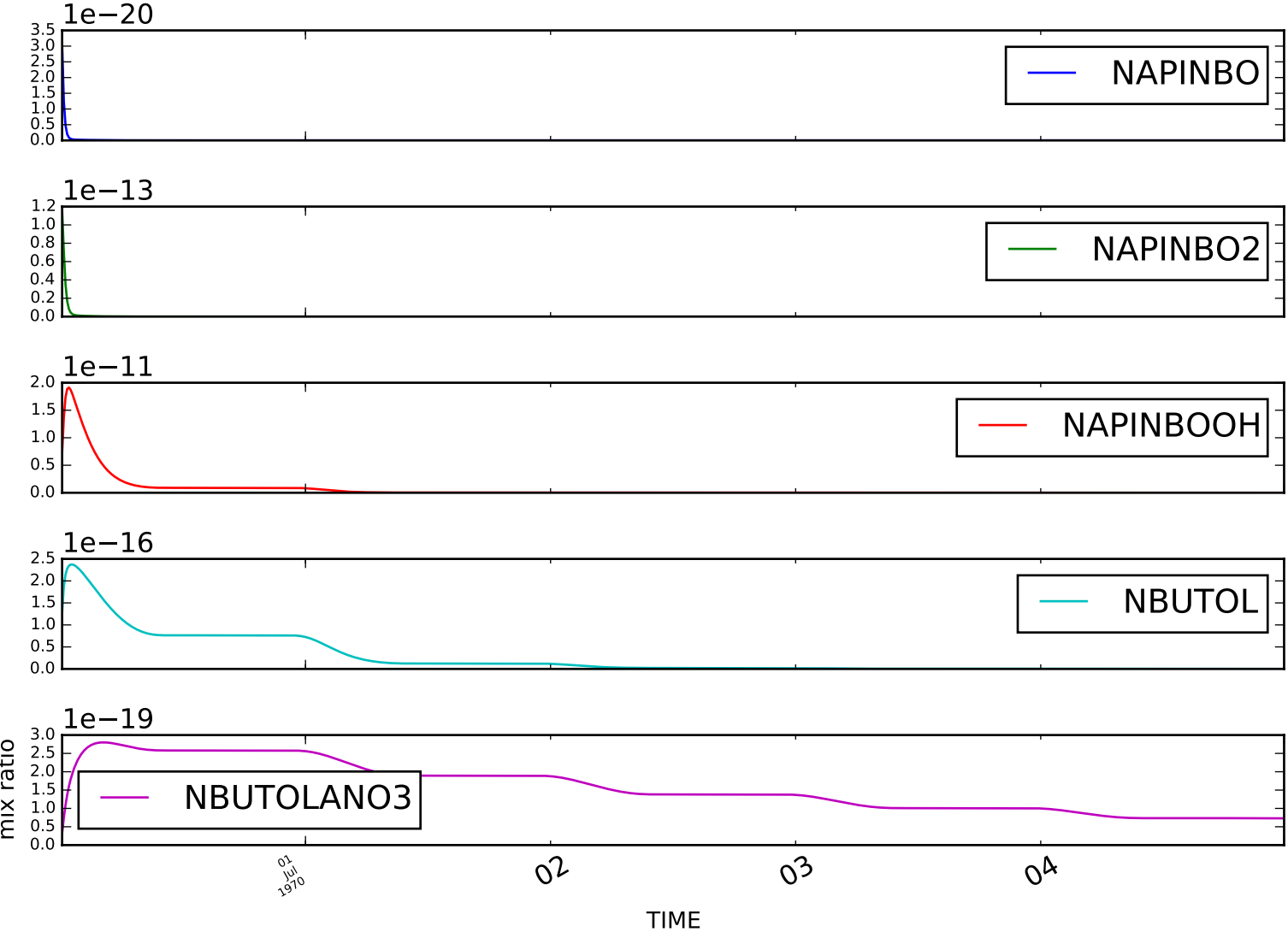

1e−12
MEKBOOH
1e−24
MEKCO
1e−17
MEKCO2
1e−17
MEKCOH
1e−13
MEKCOOH
mix ratio
01
Jul
1970
02
03
04
TIME

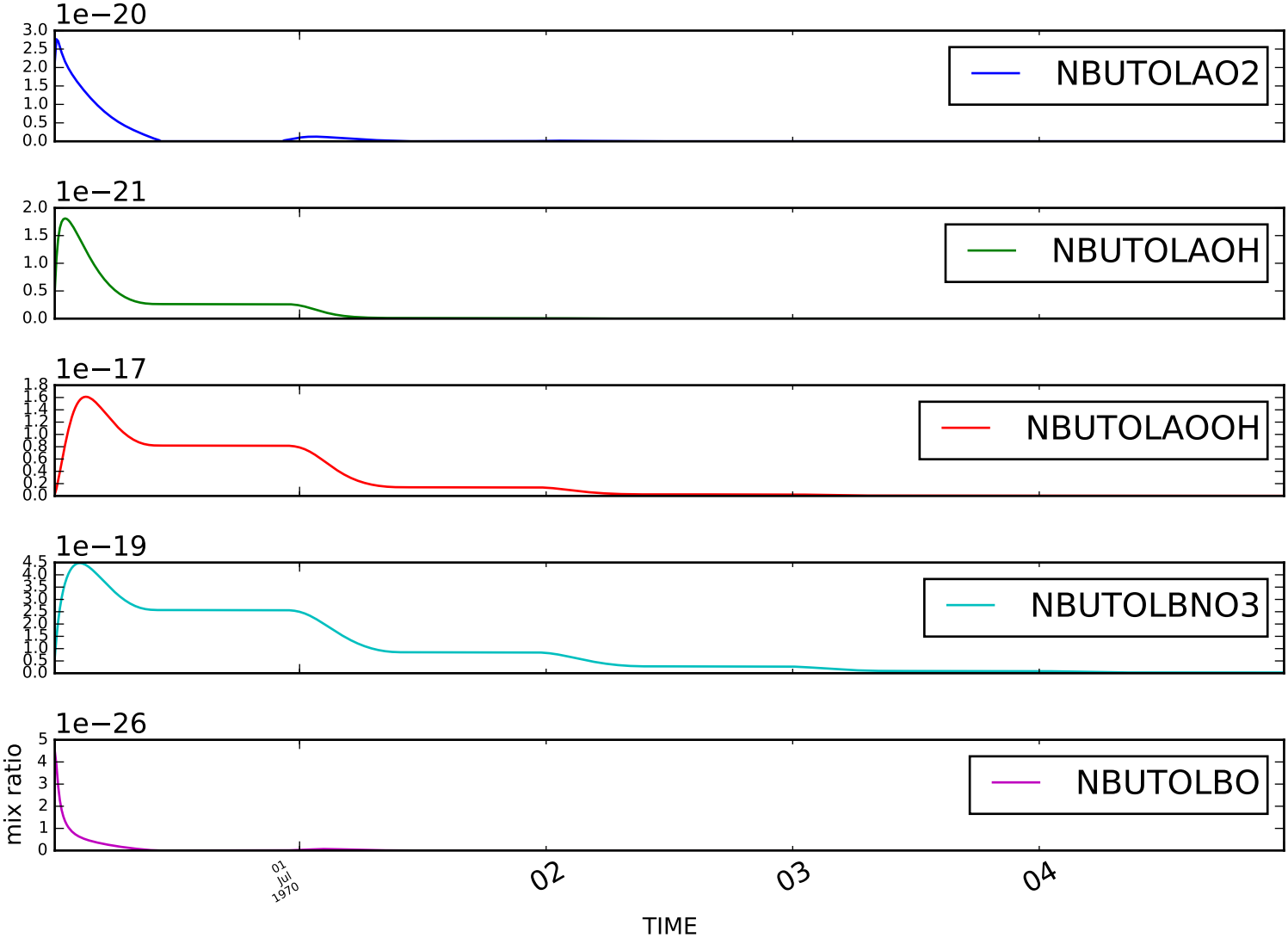

1e−23
MGLYOOA
1e−10
MGLYOX
1e−12
MMALANHY
1e−23
MMALANHYO
1e−16
MMALANHYO2
mix ratio
01
Jul
1970
02
03
04
TIME

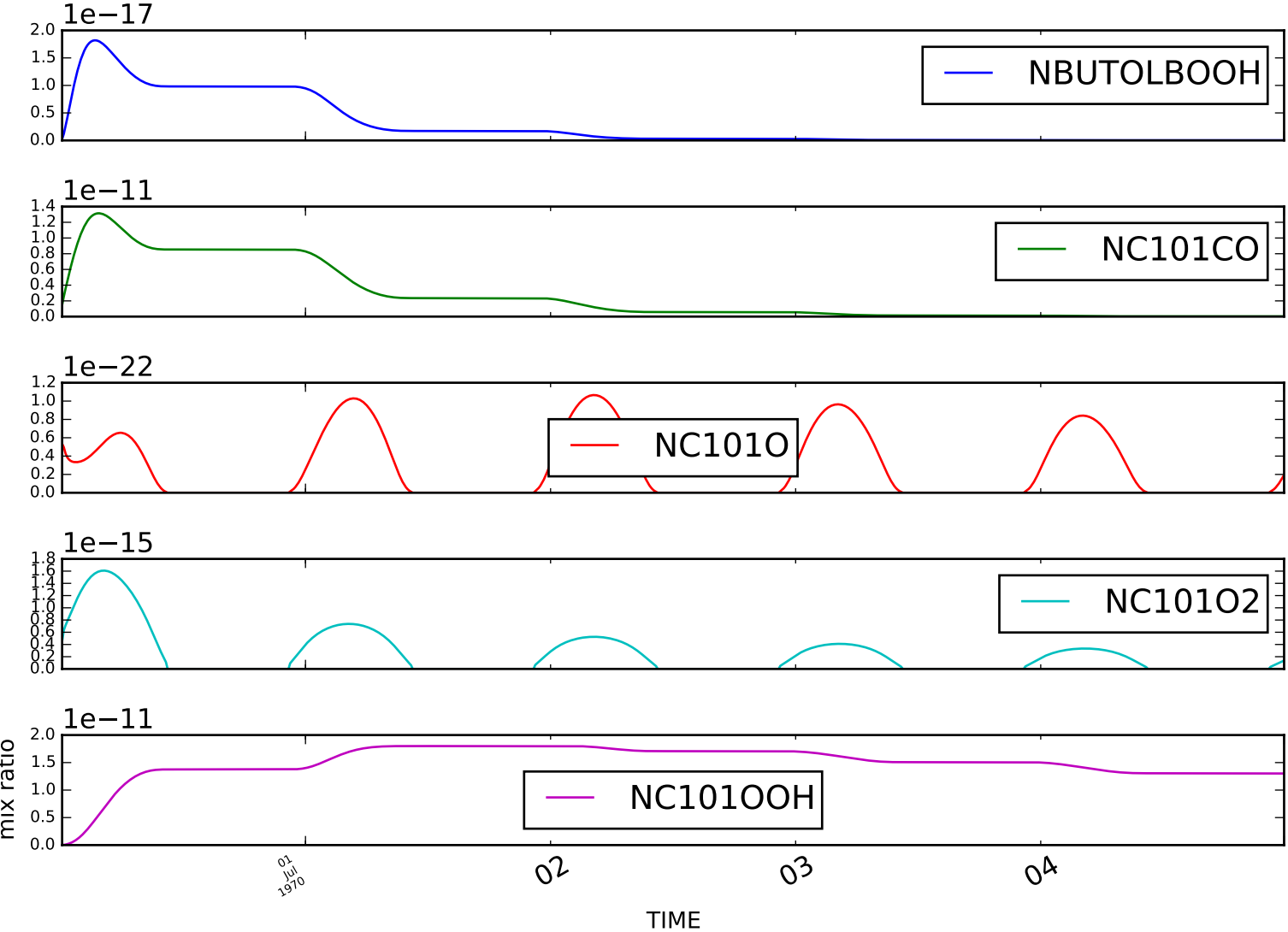

1e−17
MMALNACO3
1e−13
MMALNACO3H
1e−14
MMALNAPAN
1e−14
MMALNBCO2H
1e−17
MMALNBCO3
mix ratio
01
Jul
1970
02
03
04
TIME

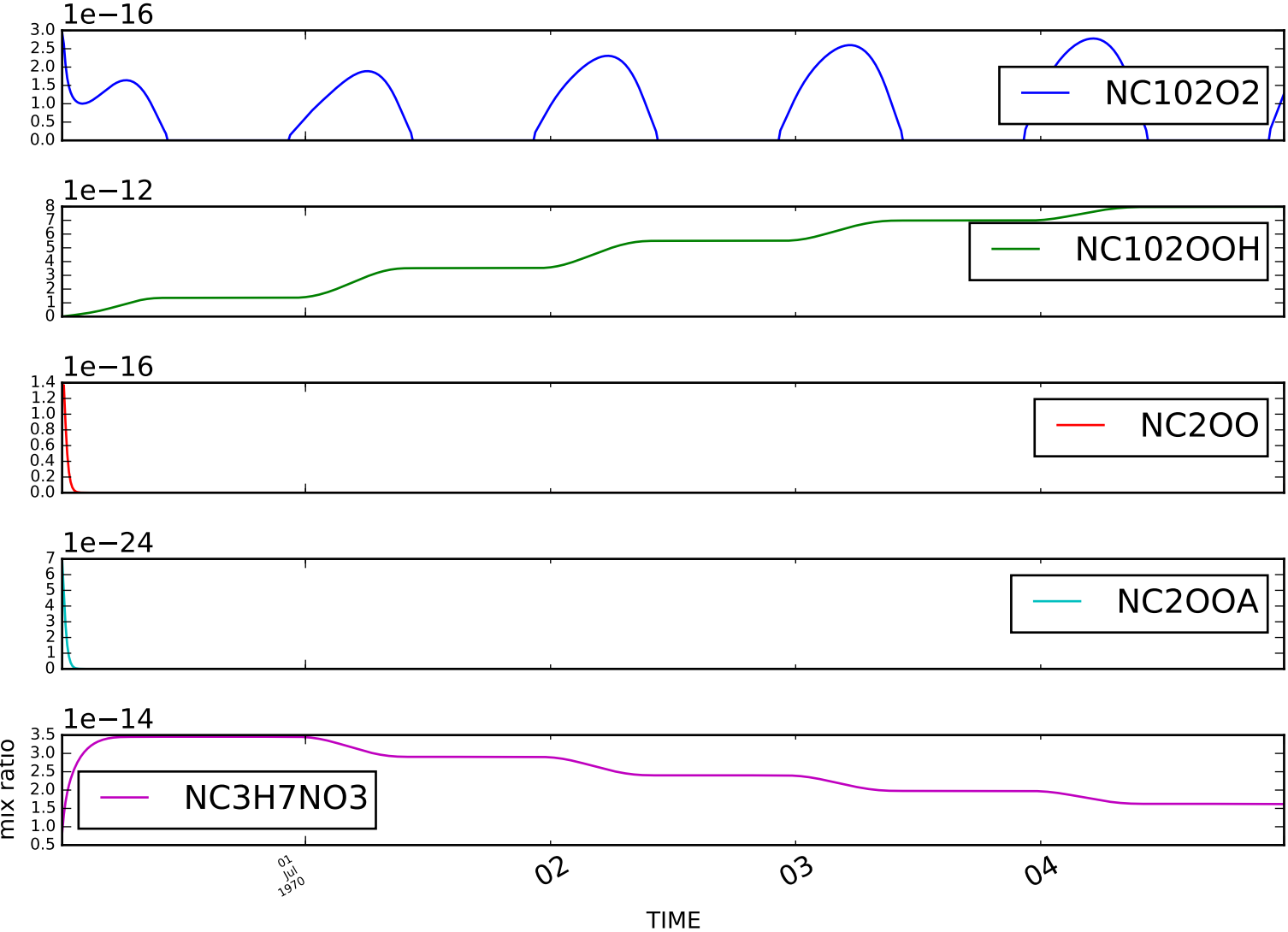

1e−14
1.0
0.8
0.6
0.4
0.2
0.0
MMALNBPAN
1e−18
2.5
2.0
1.5
1.0
0.5
0.0
MMALNHY2OH
1e−12
2.5
2.0
1.5
1.0
0.5
0.0
MMALNHYOOH
1e−11
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
MPAN
1e−10
7
6
5
4
3
2
1
0
mix ratio
MVK
01
Jul
1970
02
03
04
TIME

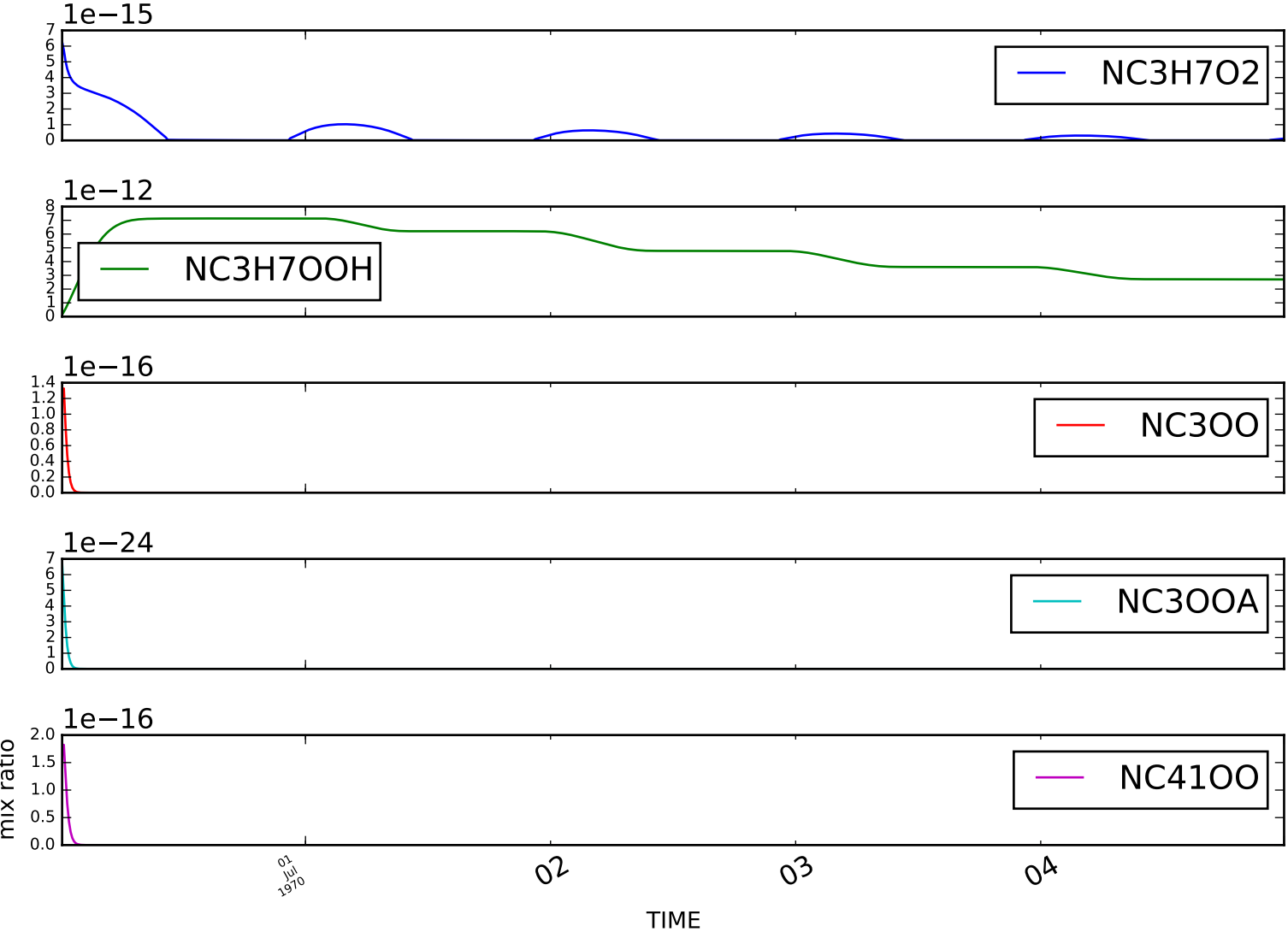

1e−13
MVKOHAOH
1e−12
N2O5
1e−9
NA
1e−20
NAPINAO
1e−13
NAPINAO2
mix ratio
01
Jul
1970
02
03
04
TIME

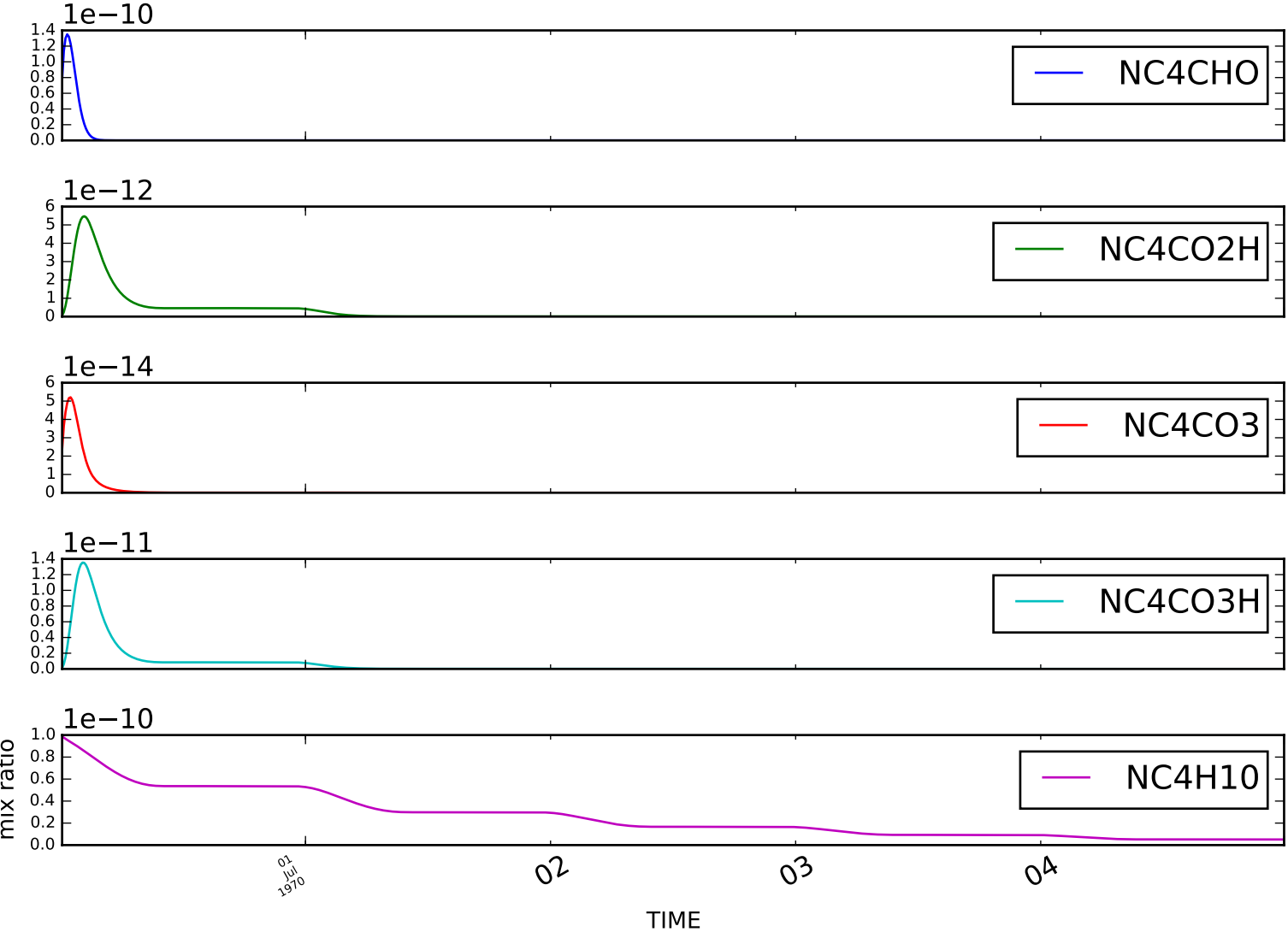

1e−20
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
NAPINBO
1e−13
1.2
1.0
0.8
0.6
0.4
0.2
0.0
NAPINBO2
1e−11
2.0
1.5
1.0
0.5
0.0
NAPINBOOH
1e−16
2.5
2.0
1.5
1.0
0.5
0.0
NBUTOL
1e−19
3.0
2.5
2.0
1.5
1.0
0.5
0.0
NBUTOLANO3
mix ratio
01
Jul
1970
02
03
04
TIME

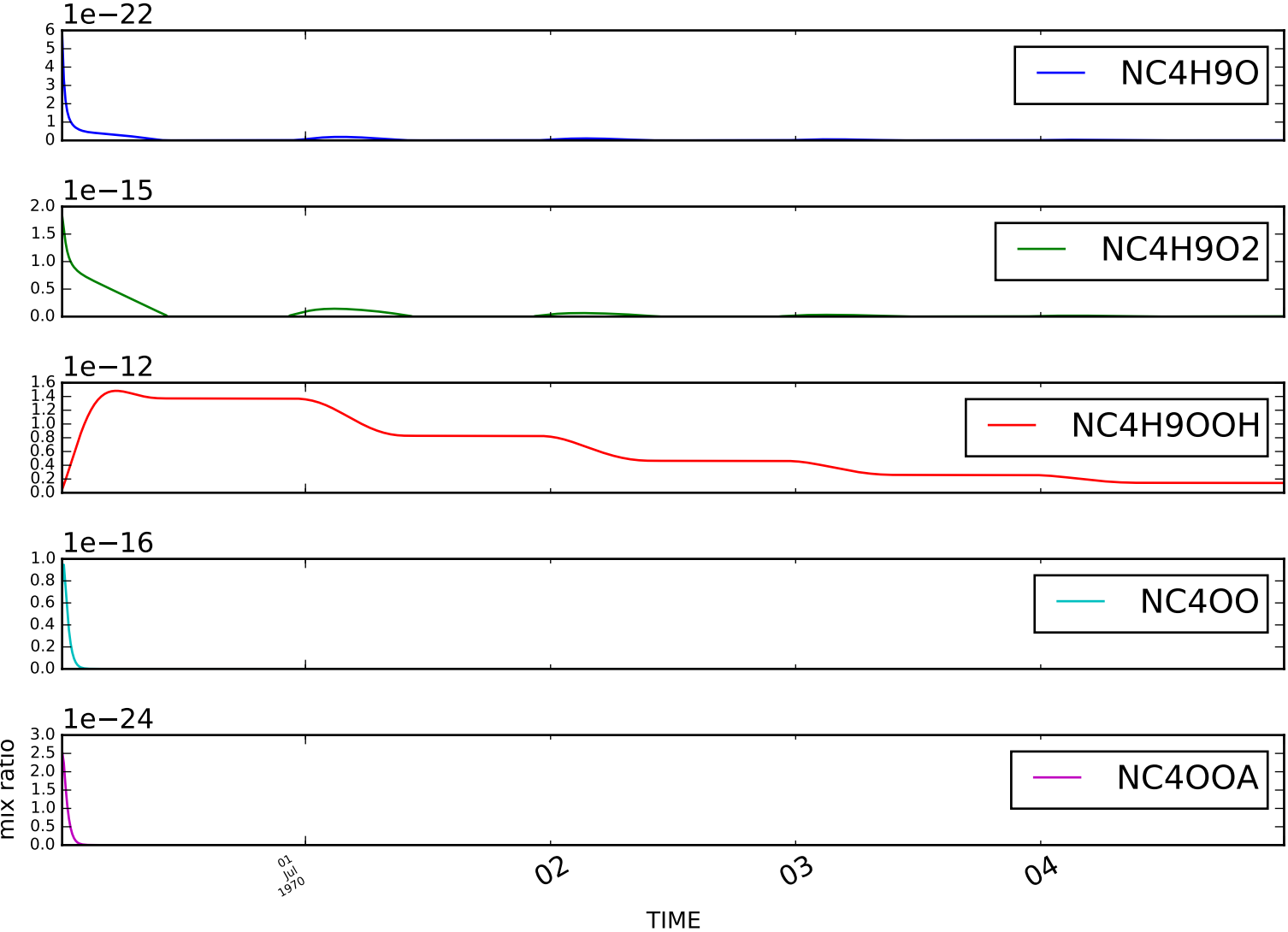

1e−20
NBUTOLAO2
1e−21
NBUTOLAOH
1e−17
NBUTOLAOOH
1e−19
NBUTOLBNO3
1e−26
NBUTOLBO
mix ratio
01
Jul
1970
02
03
04
TIME

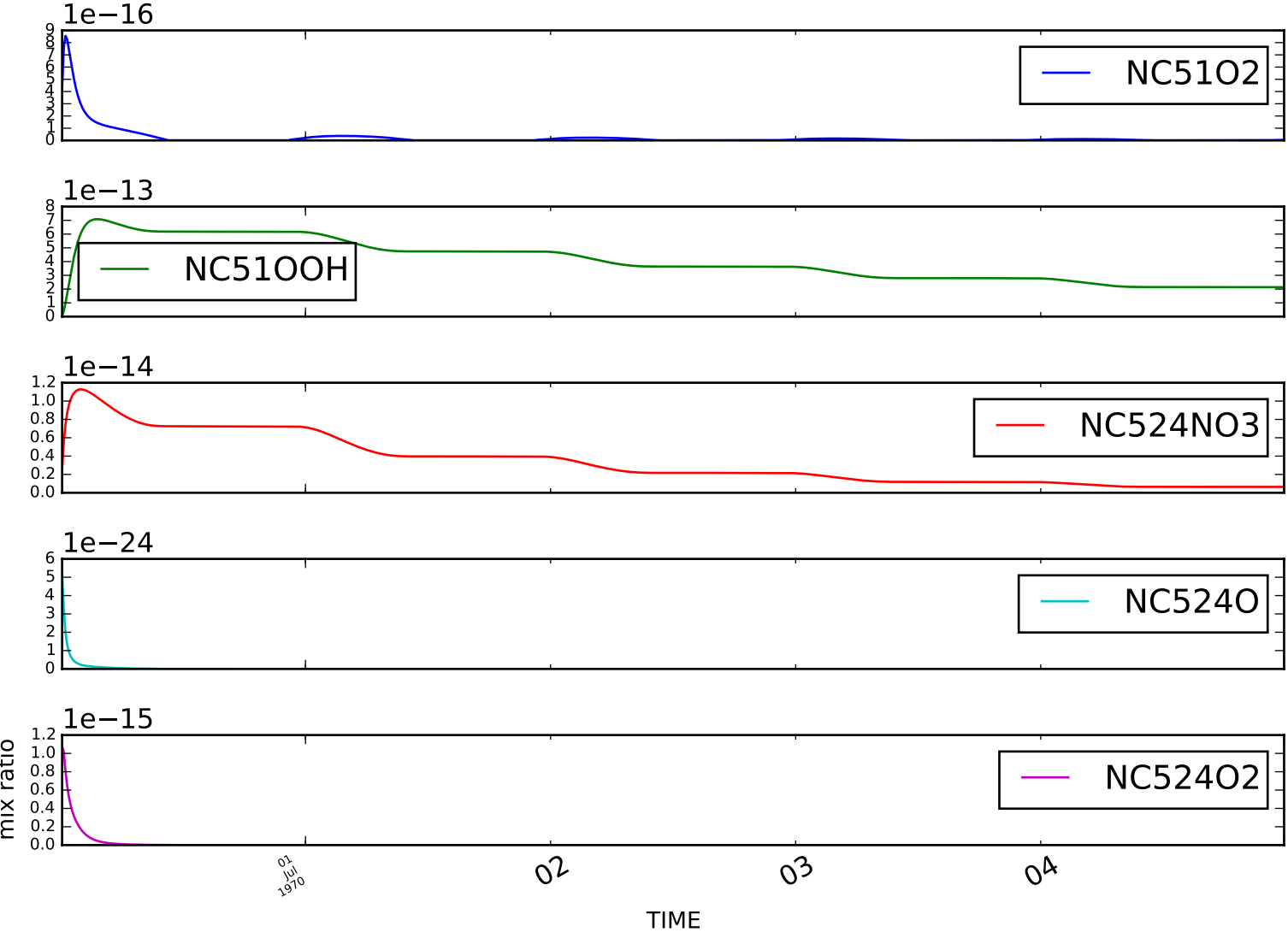

1e−17
NBUTOLBOOH
1e−11
NC101CO
1e−22
NC101O
1e−15
NC101O2
1e−11
NC101OOH
mix ratio
01
Jul
1970
02
03
04
TIME

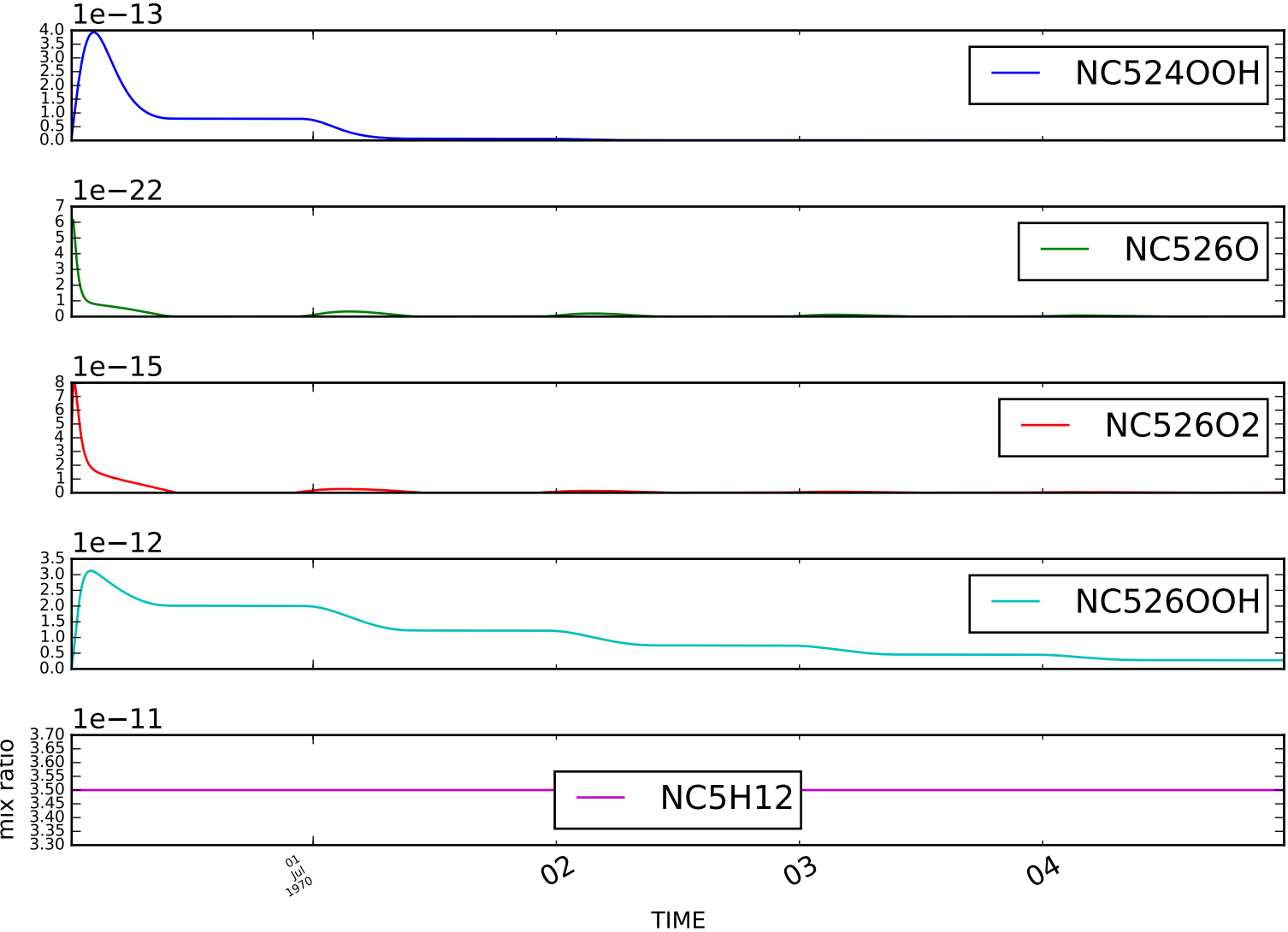

1e−16
3.0
2.5
2.0
1.5
1.0
0.5
0.0
NC102O2
1e−12
8
7
6
5
4
3
2
1
0
NC102OOH
1e−16
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
NC2OO
1e−24
7
6
5
4
3
2
1
0
NC2OOA
1e−14
3.5
3.0
2.5
2.0
1.5
1.0
0.5
NC3H7NO3
mix ratio
01
Jul
1970
02
03
04
TIME

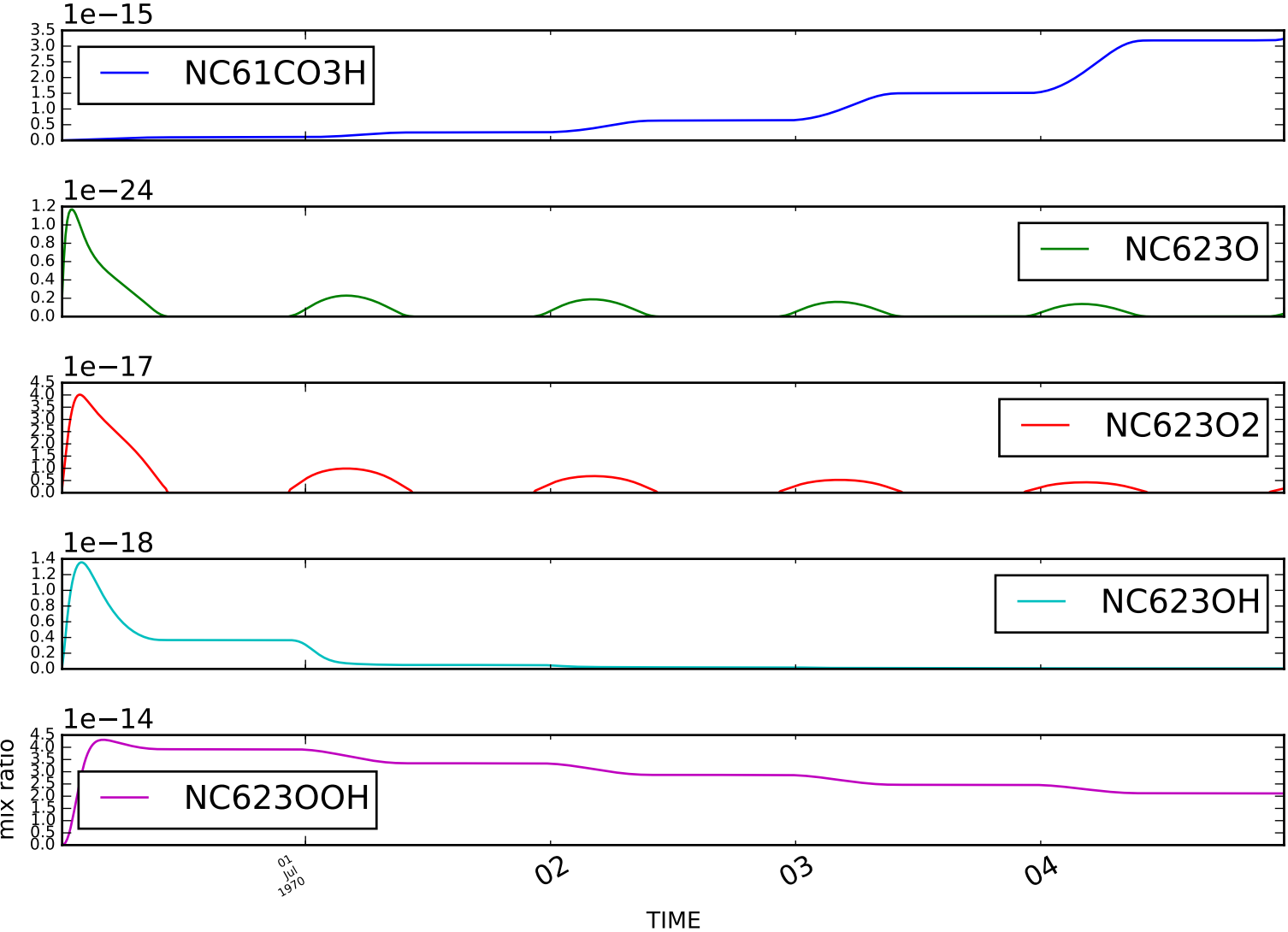

1e−15
NC3H7O2
1e−12
NC3H7OOH
1e−16
NC3OO
1e−24
NC3OOA
1e−16
NC41OO
mix ratio
01
Jul
1970
02
03
04
TIME

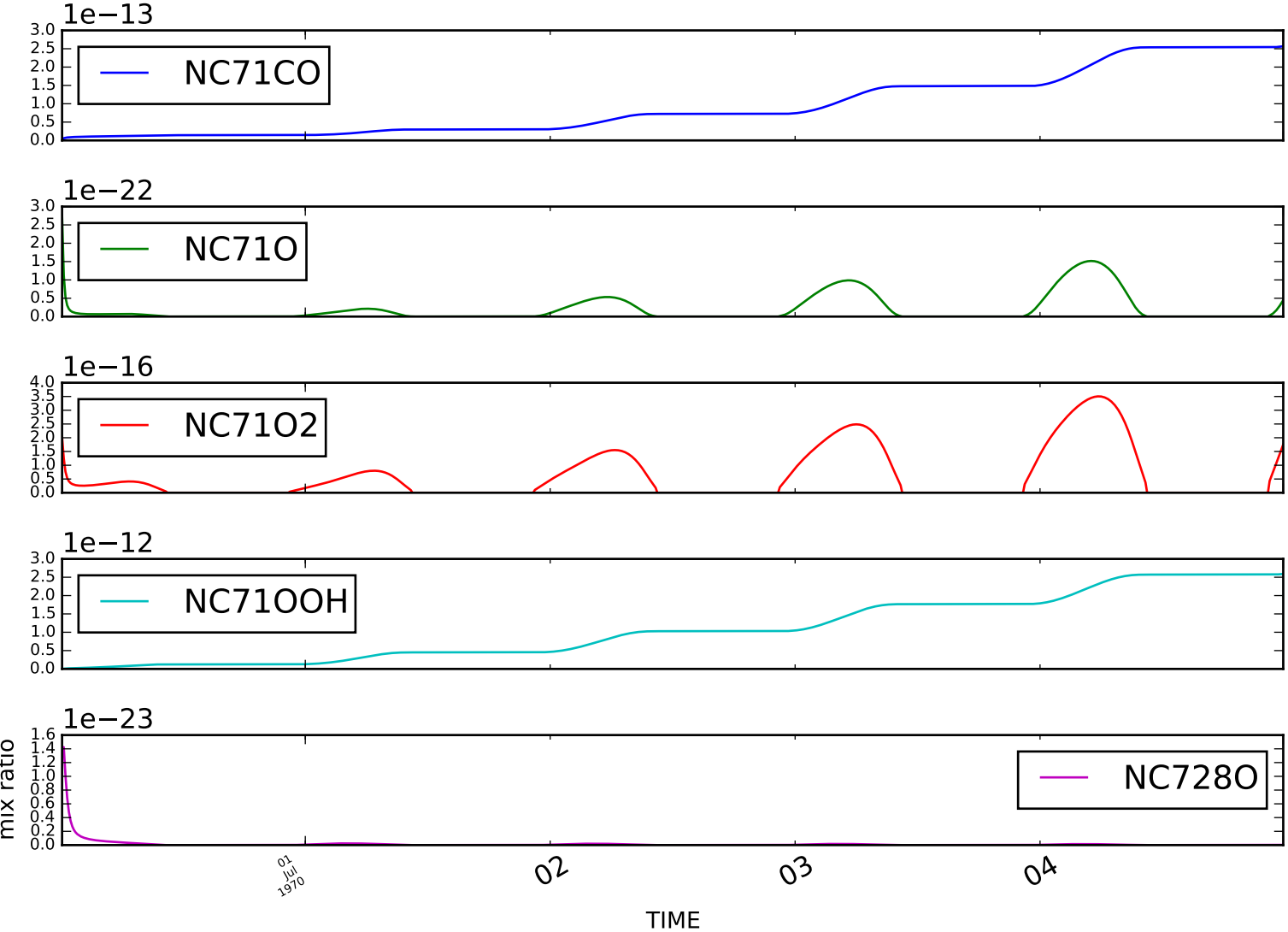

1e−10
NC4CHO
1e−12
NC4CO2H
1e−14
NC4CO3
1e−11
NC4CO3H
1e−10
NC4H10
mix ratio
01
Jul
1970
02
03
04
TIME

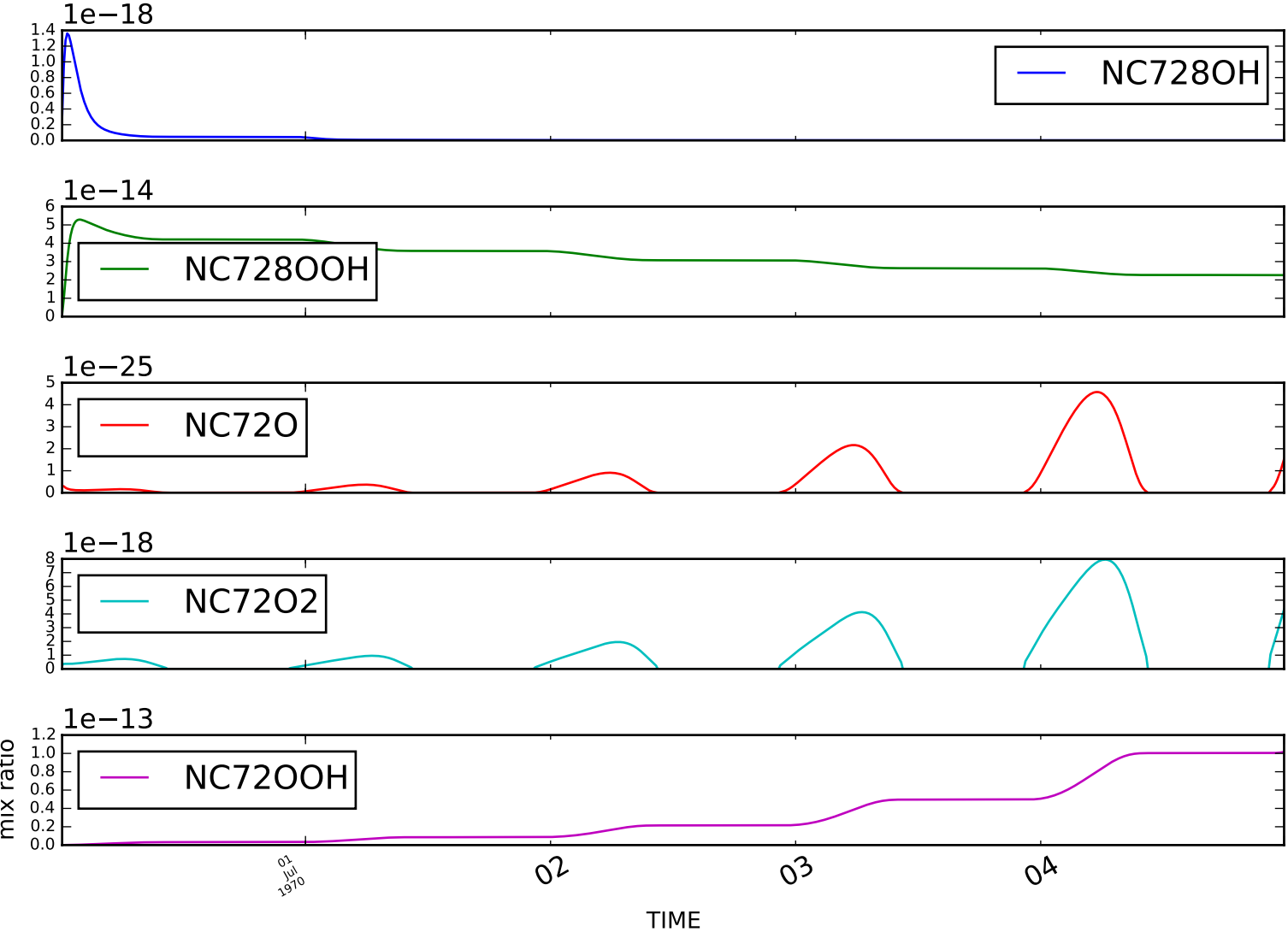

1e−22
NC4H9O
1e−15
NC4H9O2
1e−12
NC4H9OOH
1e−16
NC4OO
1e−24
NC4OOA
mix ratio
01
Jul
1970
02
03
04
TIME

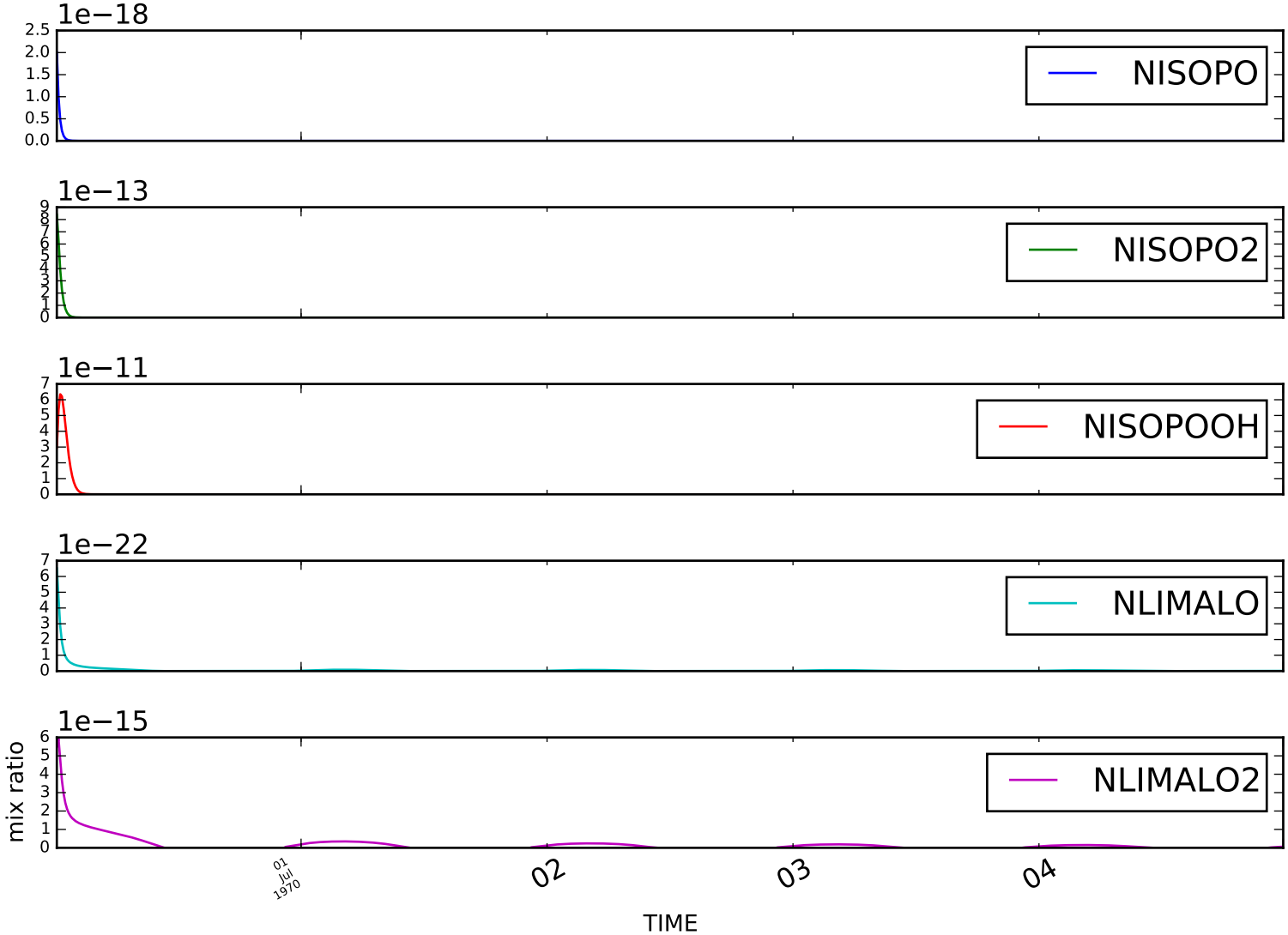

1e−16
NC51O2
1e−13
NC51OOH
1e−14
NC524NO3
1e−24
NC524O
1e−15
NC524O2
mix ratio
01
Jul
1970
02
03
04
TIME

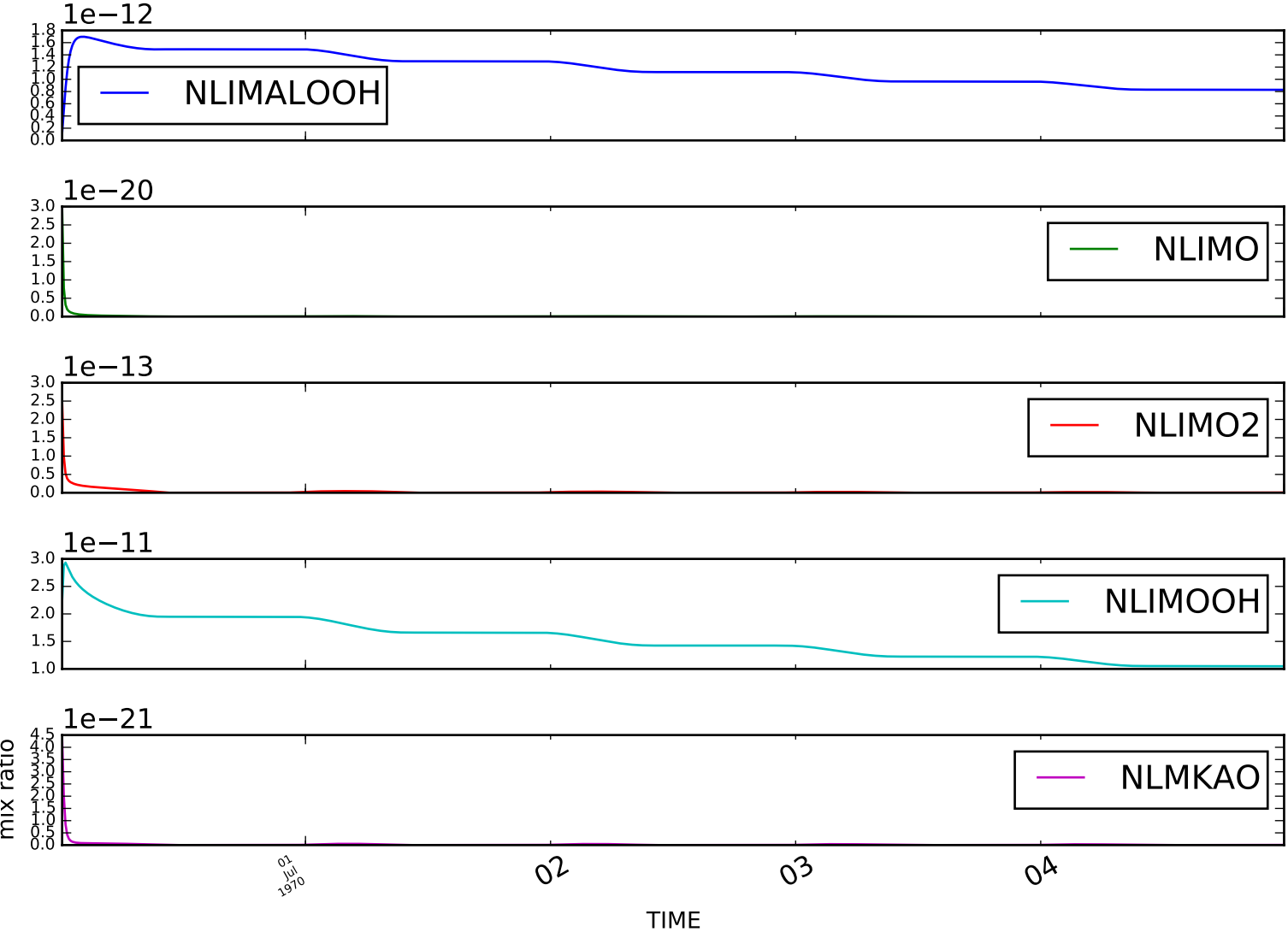

1e−13
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
NC524OOH
1e−22
7
6
5
4
3
2
1
0
NC526O
1e−15
8
7
6
5
4
3
2
1
0
NC526O2
1e−12
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
NC526OOH
1e−11
3.70
3.65
3.60
3.55
3.50
3.45
3.40
3.35
3.30
NC5H12
mix ratio
01
Jul
1970
02
03
04
TIME

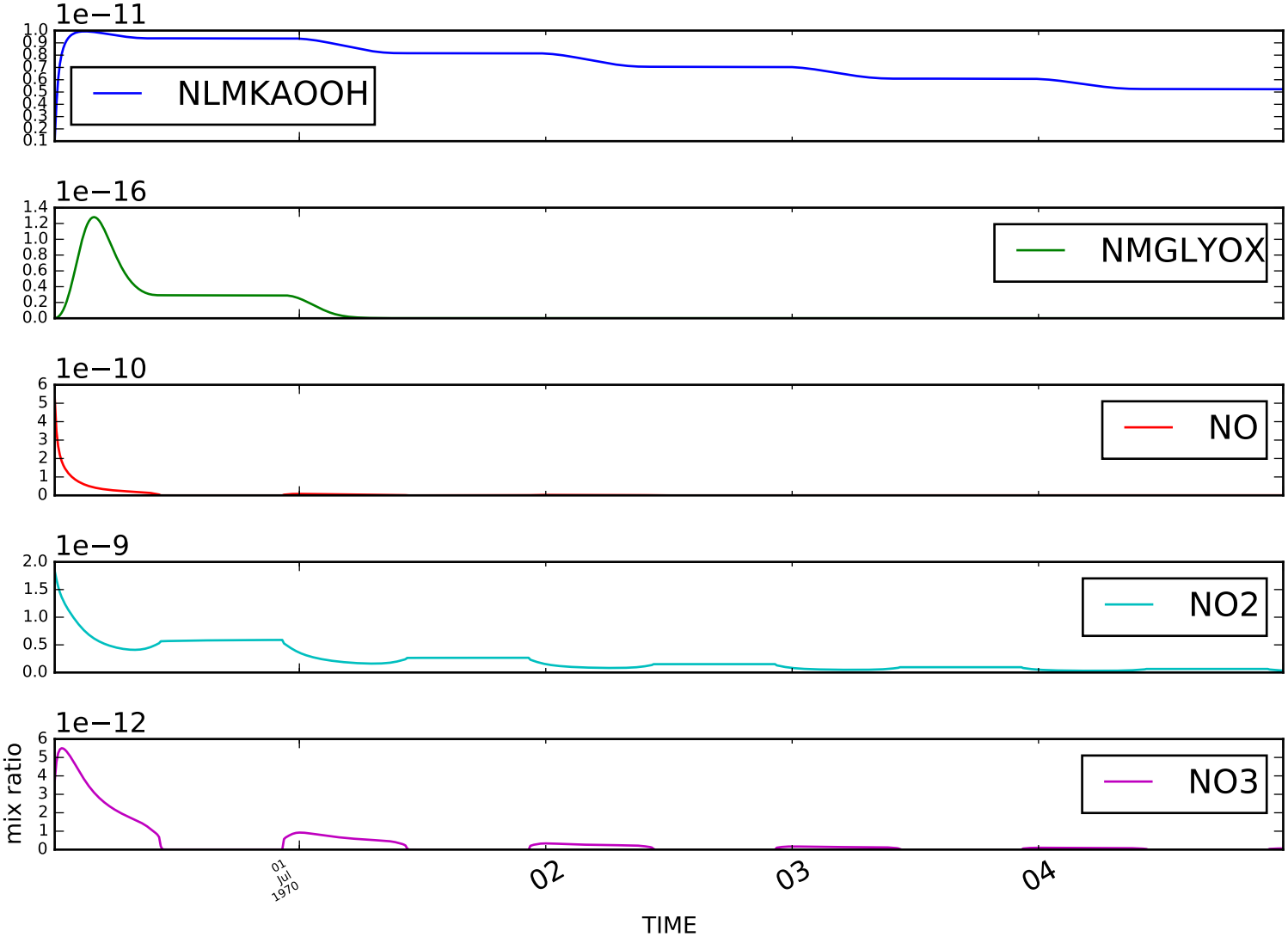

1e−15
NC61CO3H
1e−24
NC623O
1e−17
NC623O2
1e−18
NC623OH
1e−14
NC623OOH
mix ratio
01
Jul
1970
02
03
04
TIME

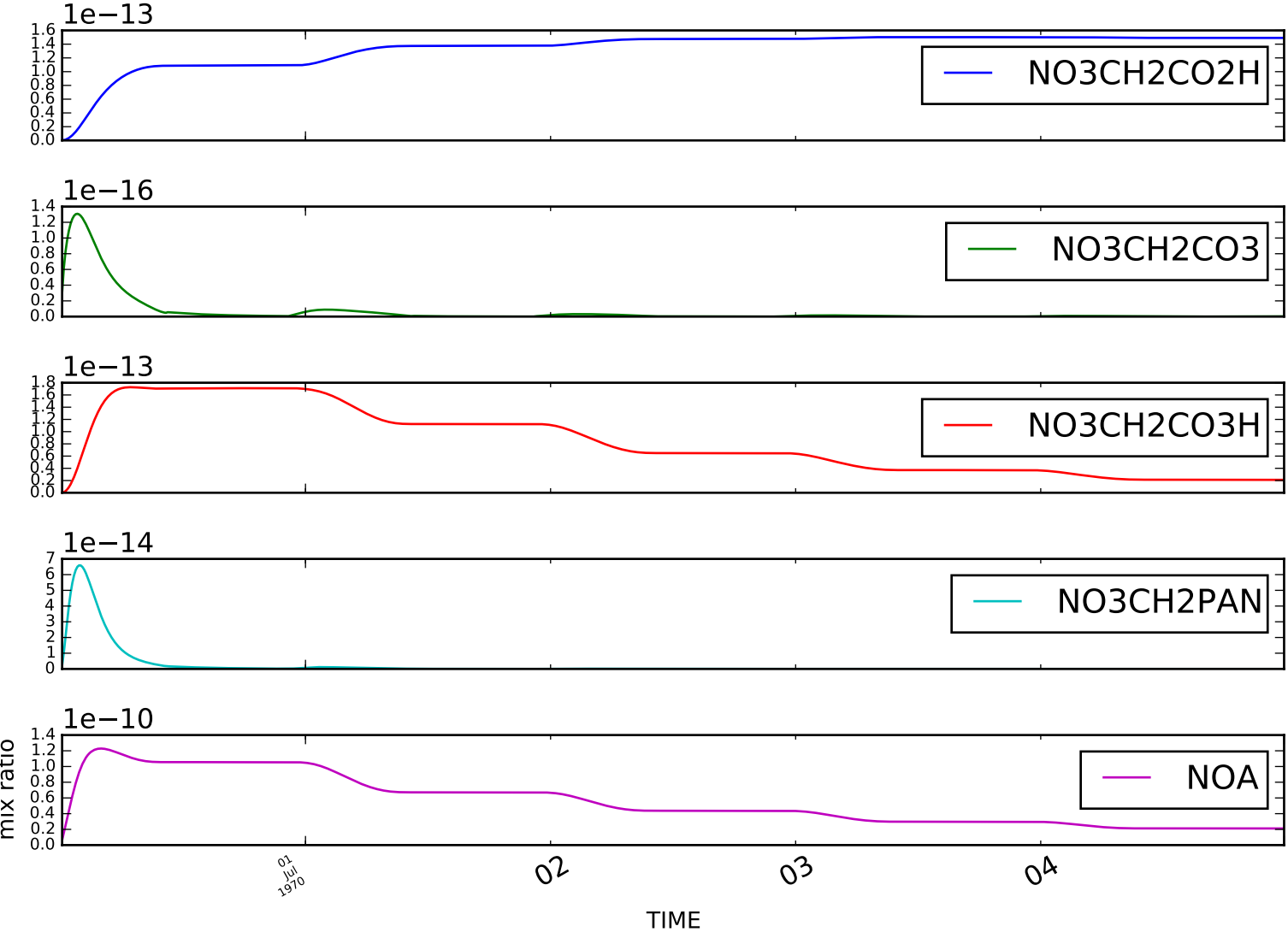

1e−13
NC71CO
1e−22
NC71O
1e−16
NC71O2
1e−12
NC71OOH
1e−23
NC728O
mix ratio
01
Jul
1970
02
03
04
TIME

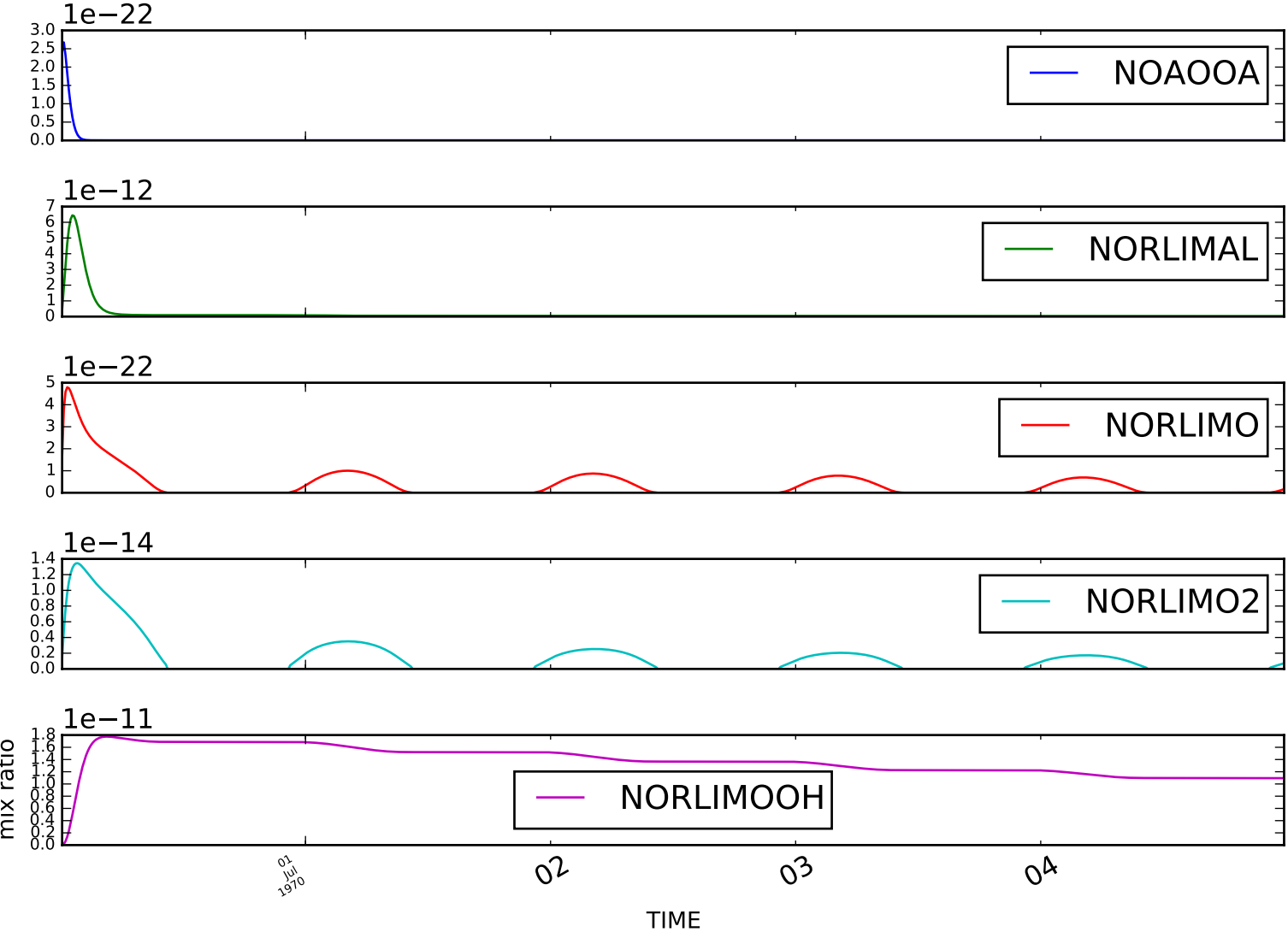

1e−18
NC728OH
1e−14
NC728OOH
1e−25
NC72O
1e−18
NC72O2
1e−13
NC72OOH
mix ratio
01
Jul
1970
02
03
04
TIME

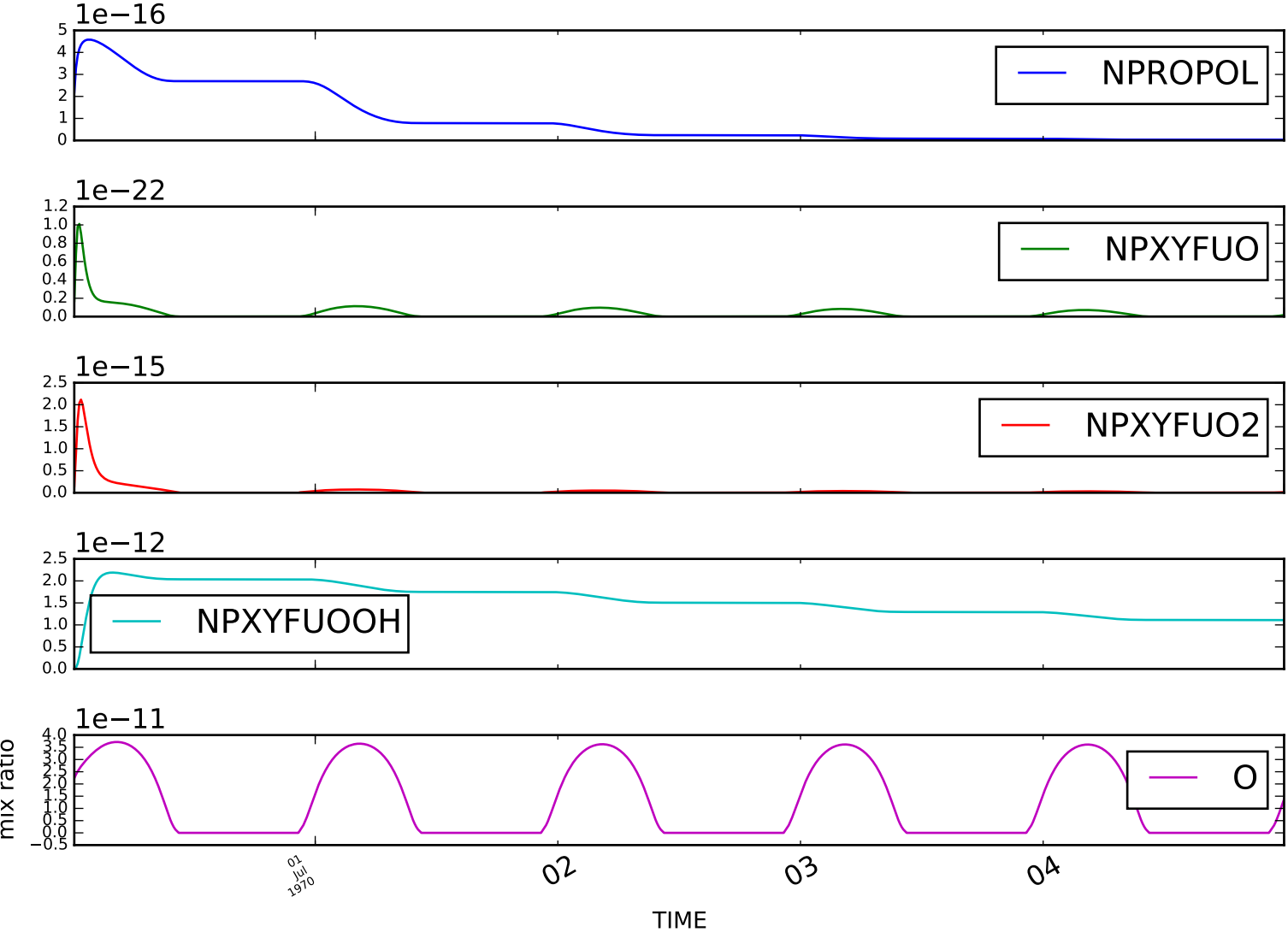

1e−18
NISOPO
1e−13
NISOPO2
1e−11
NISOPOOH
1e−22
NLIMALO
1e−15
NLIMALO2
mix ratio
01
Jul
1970
02
03
04
TIME

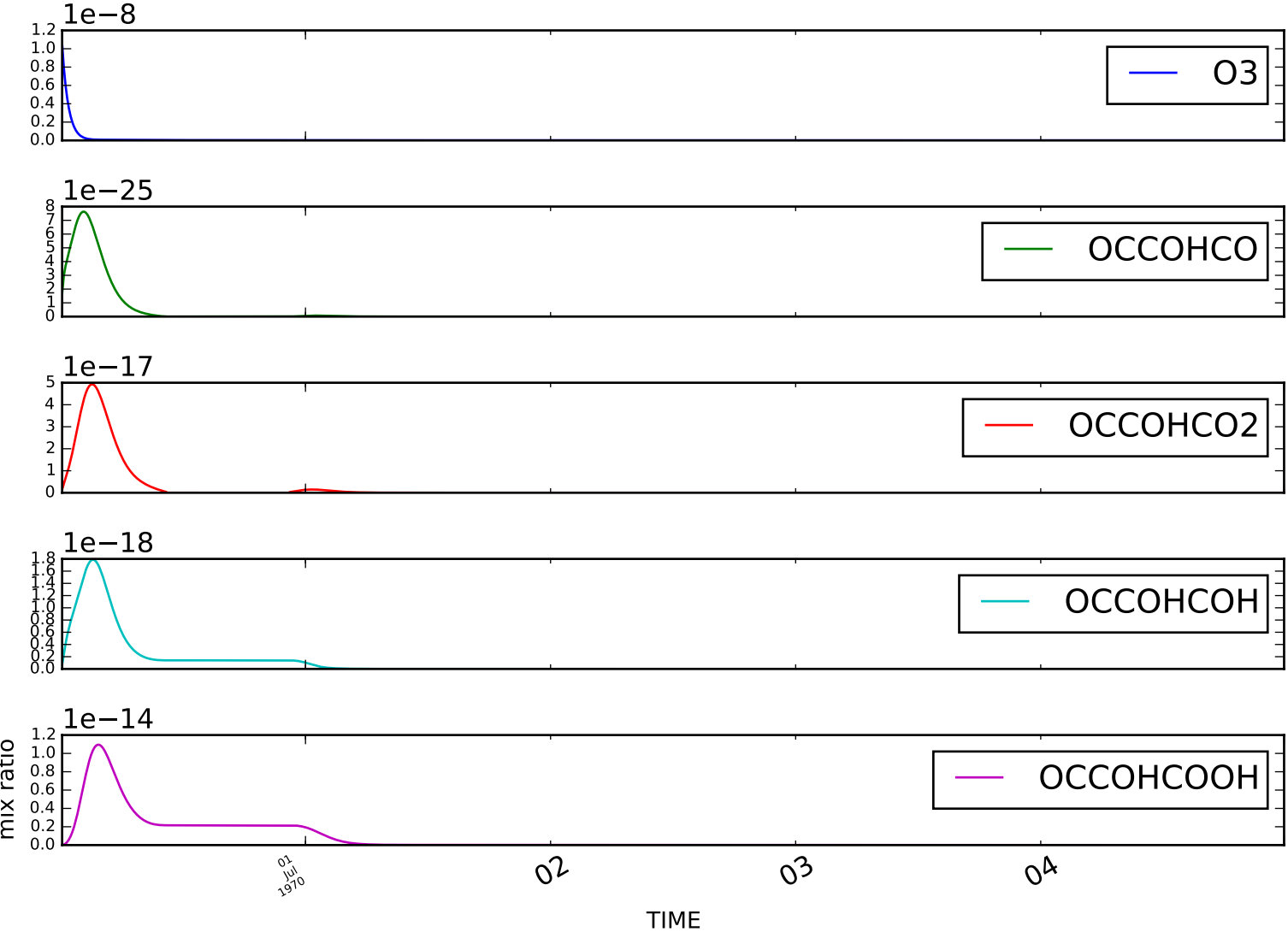

1e−12
NLIMALOOH
1e−20
NLIMO
1e−13
NLIMO2
1e−11
NLIMOOH
1e−21
NLMKAO
mix ratio
01
Jul
1970
02
03
04
TIME

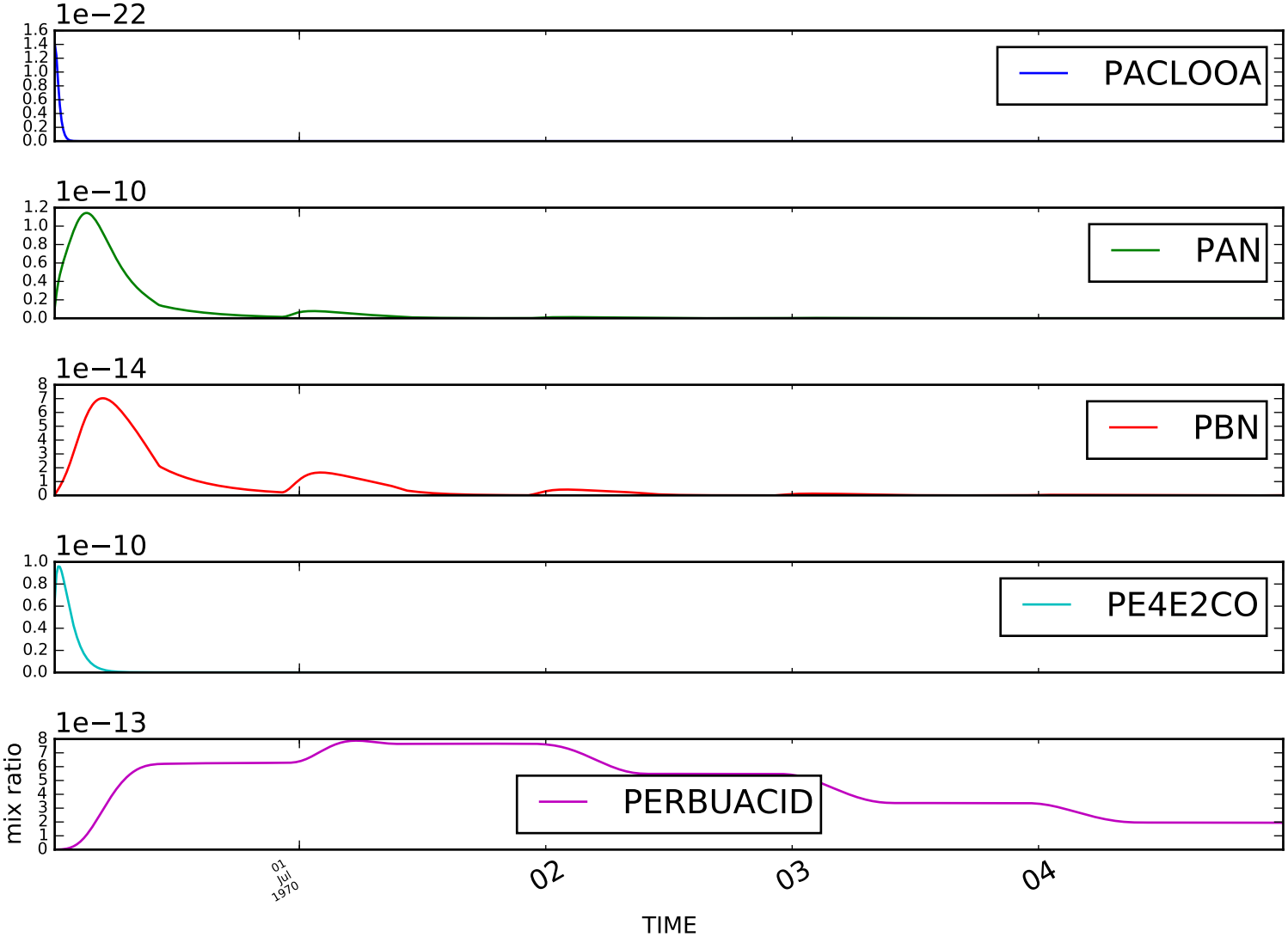

1e−11
NLMKAOOH
1e−16
NMGLYOX
1e−10
NO
1e−9
NO2
1e−12
NO3
mix ratio
01
Jul
1970
02
03
04
TIME

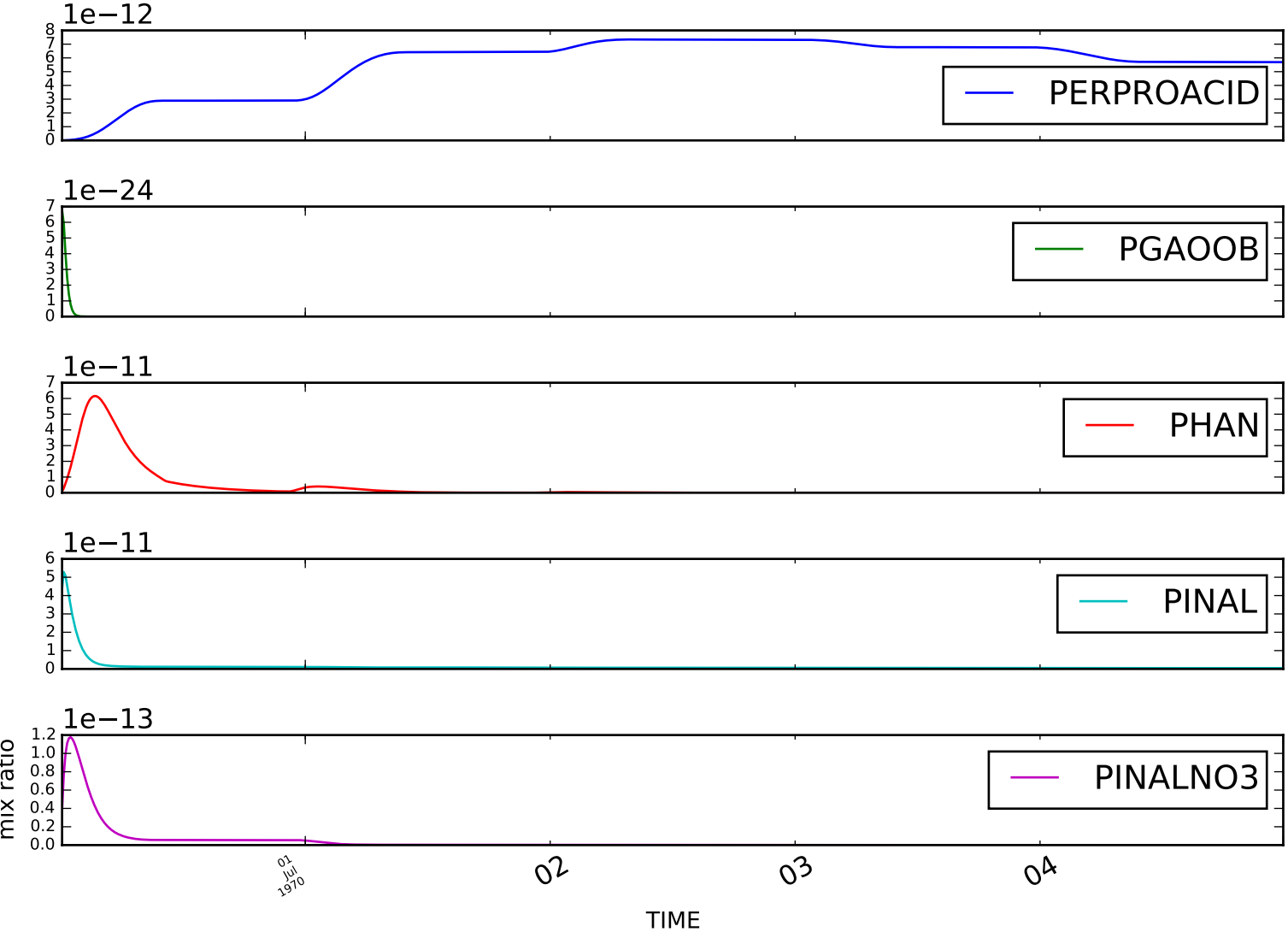

1e−13
NO3CH2CO2H
1e−16
NO3CH2CO3
1e−13
NO3CH2CO3H
1e−14
NO3CH2PAN
1e−10
NOA
mix ratio
01
Jul
1970
02
03
04
TIME


1e−22
NOAOOA
1e−12
NORLIMAL
1e−22
NORLIMO
1e−14
NORLIMO2
1e−11
NORLIMOOH
mix ratio
01
Jul
1970
02
03
04
TIME


1e−16
NPROPOL
1e−22
NPXYFUO
1e−15
NPXYFUO2
1e−12
NPXYFUOOH
1e−11
O
mix ratio
01
Jul
1970
02
03
04
TIME


1e−8
1.2
1.0
0.8
0.6
0.4
0.2
0.0
O3
1e−25
8
7
6
5
4
3
2
1
0
OCCOHCO
1e−17
5
4
3
2
1
0
OCCOHCO2
1e−18
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OCCOHCOH
1e−14
1.2
1.0
0.8
0.6
0.4
0.2
0.0
OCCOHCOOH
mix ratio
01
Jul
1970
02
03
04
TIME


1e−22
PACLOOA
1e−10
PAN
1e−14
PBN
1e−10
PE4E2CO
1e−13
PERBUACID
mix ratio
01
Jul
1970
02
03
04
TIME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1e−24
PGAOOB
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PHAN
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PINAL
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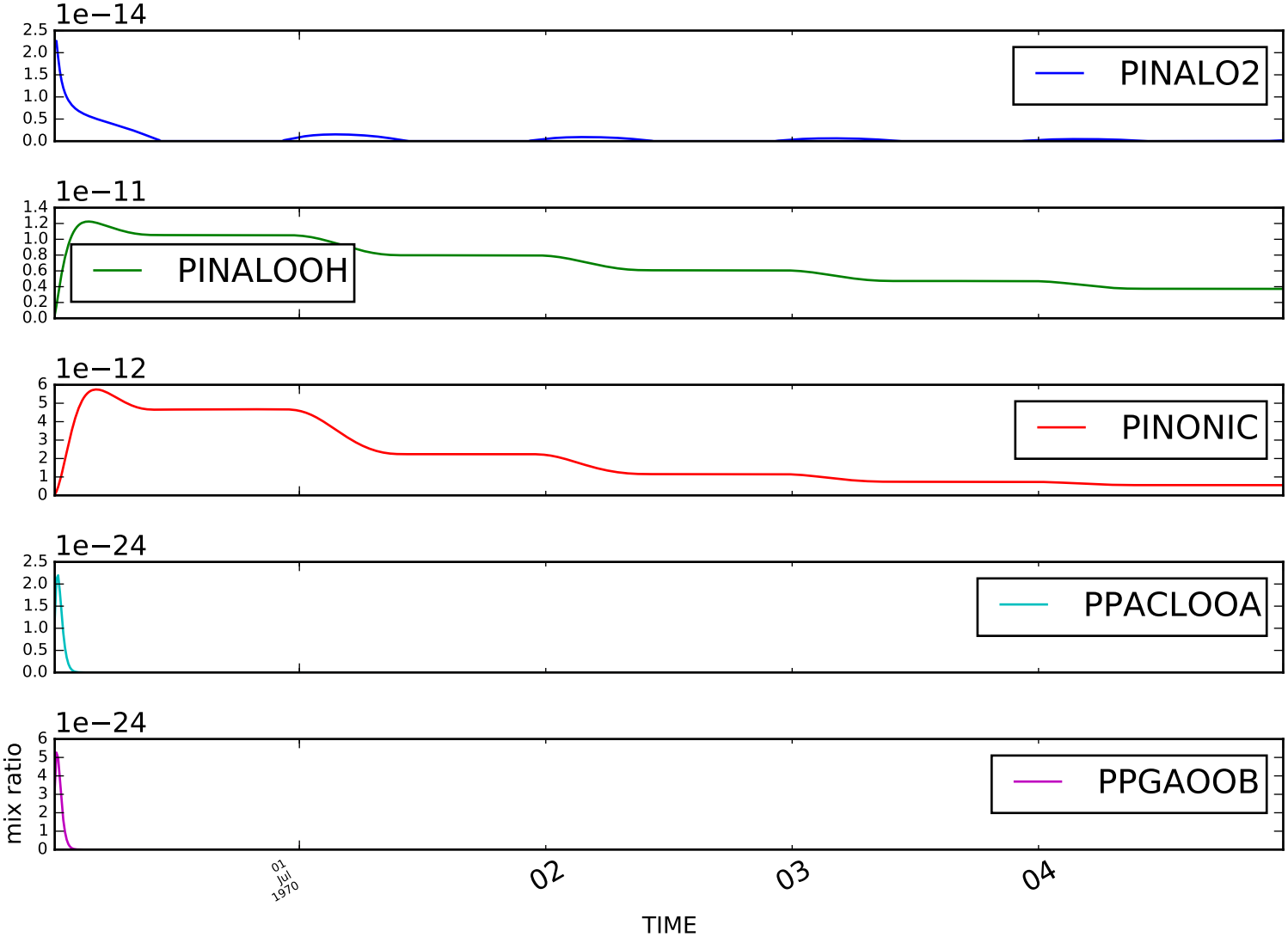
PINALNO3
mix ratio
01
Jul
1970
02
03
04
TIME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2.0
1.5
1.0
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0.0
PINALO2
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1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
PINALOOH
1e−12
6
5
4
3
2
1
0
PINONIC
1e−24
2.5
2.0
1.5
1.0
0.5
0.0
PPACLOOA
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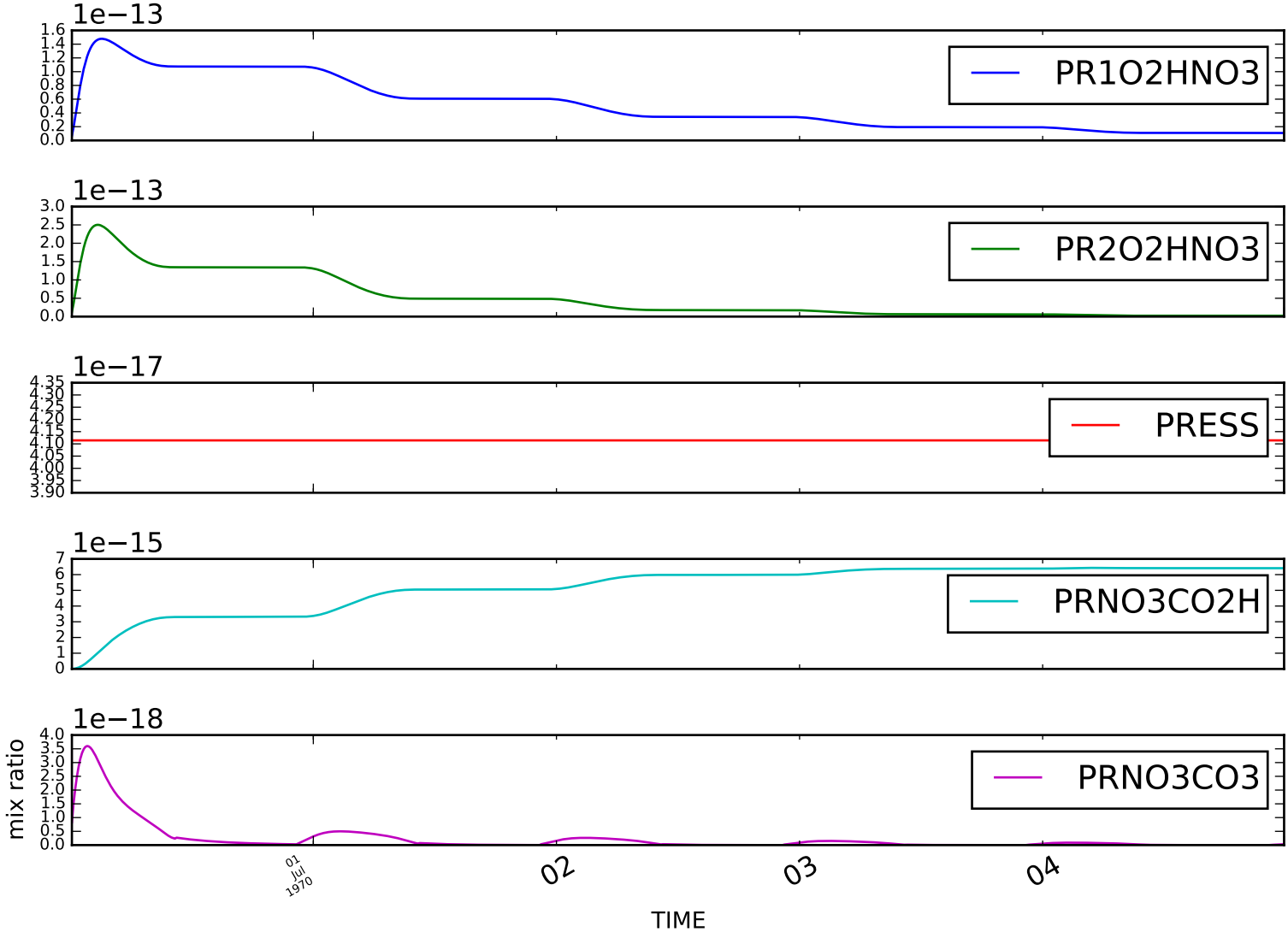
5
4
3
2
1
0
PPGAOOB
mix ratio
01
Jul
1970
02
03
04
TIME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PR2O2HNO3
1e−17
PRESS
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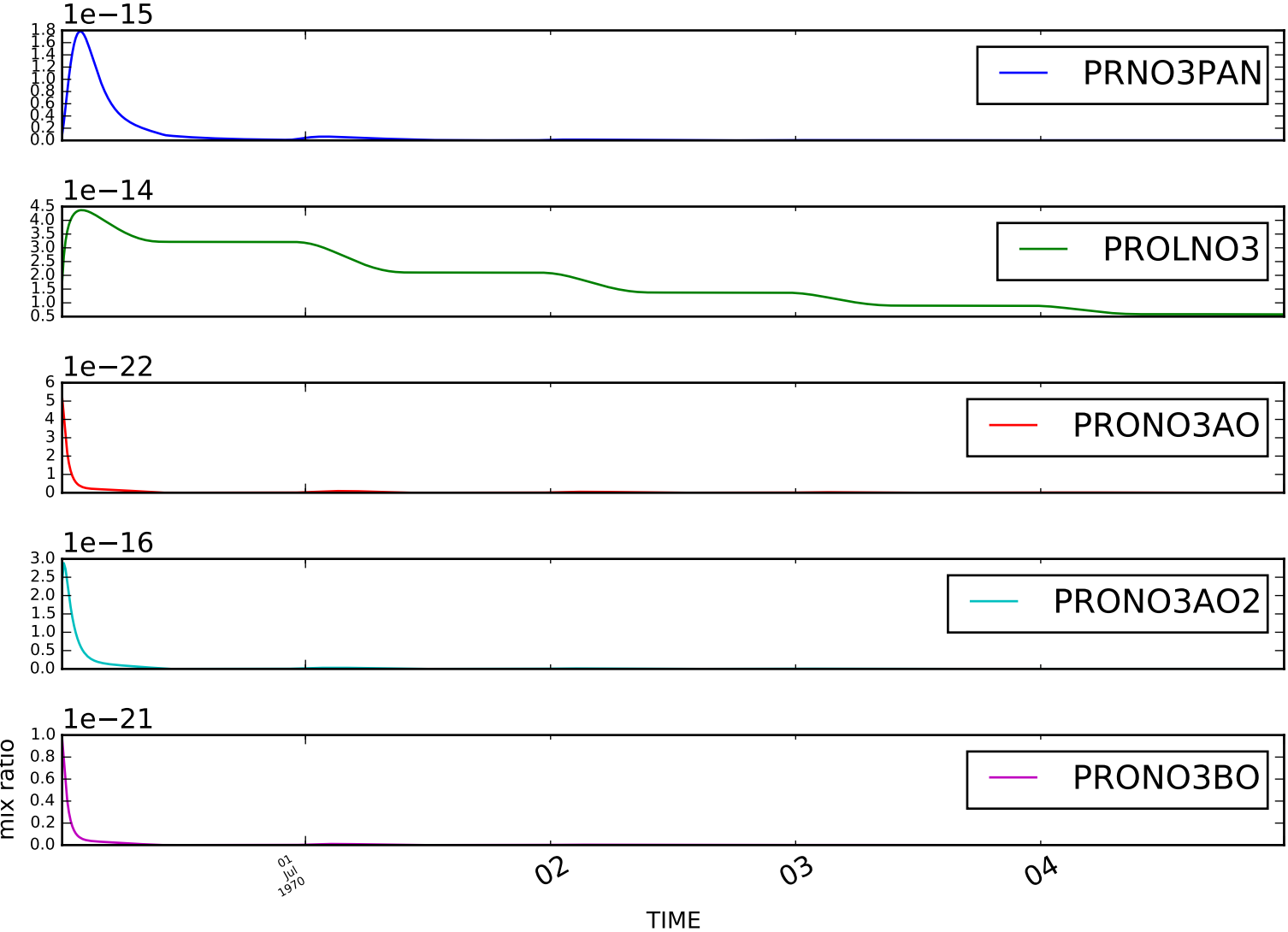
PRNO3CO2H
1e−18
PRNO3CO3
mix ratio
01
Jul
1970
02
03
04
TIME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PRNO3PAN
1e−14
PROLNO3
1e−22
PRONO3AO
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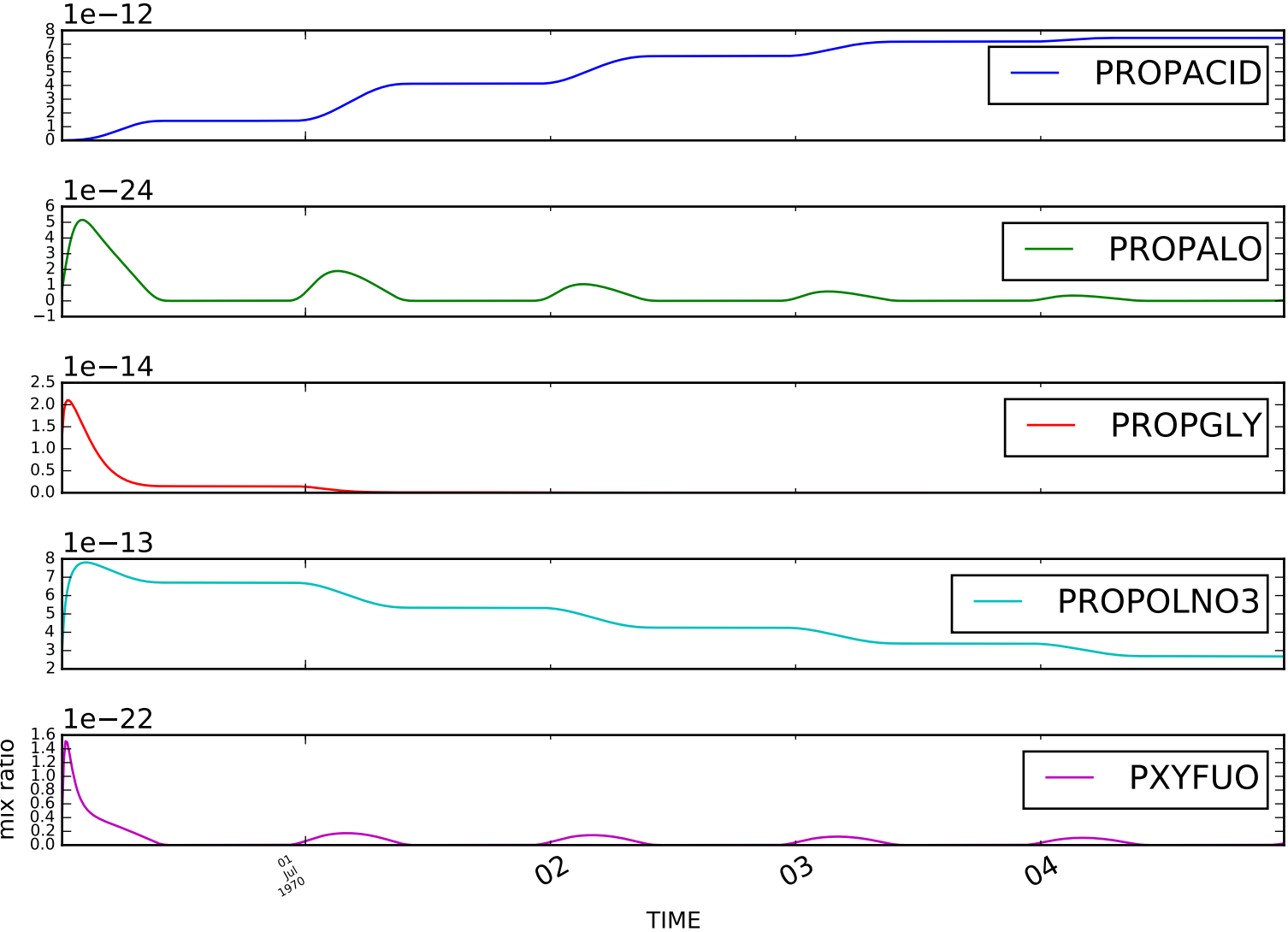
PRONO3AO2
1e−21
PRONO3BO
mix ratio
01
Jul
1970
02
03
04
TIME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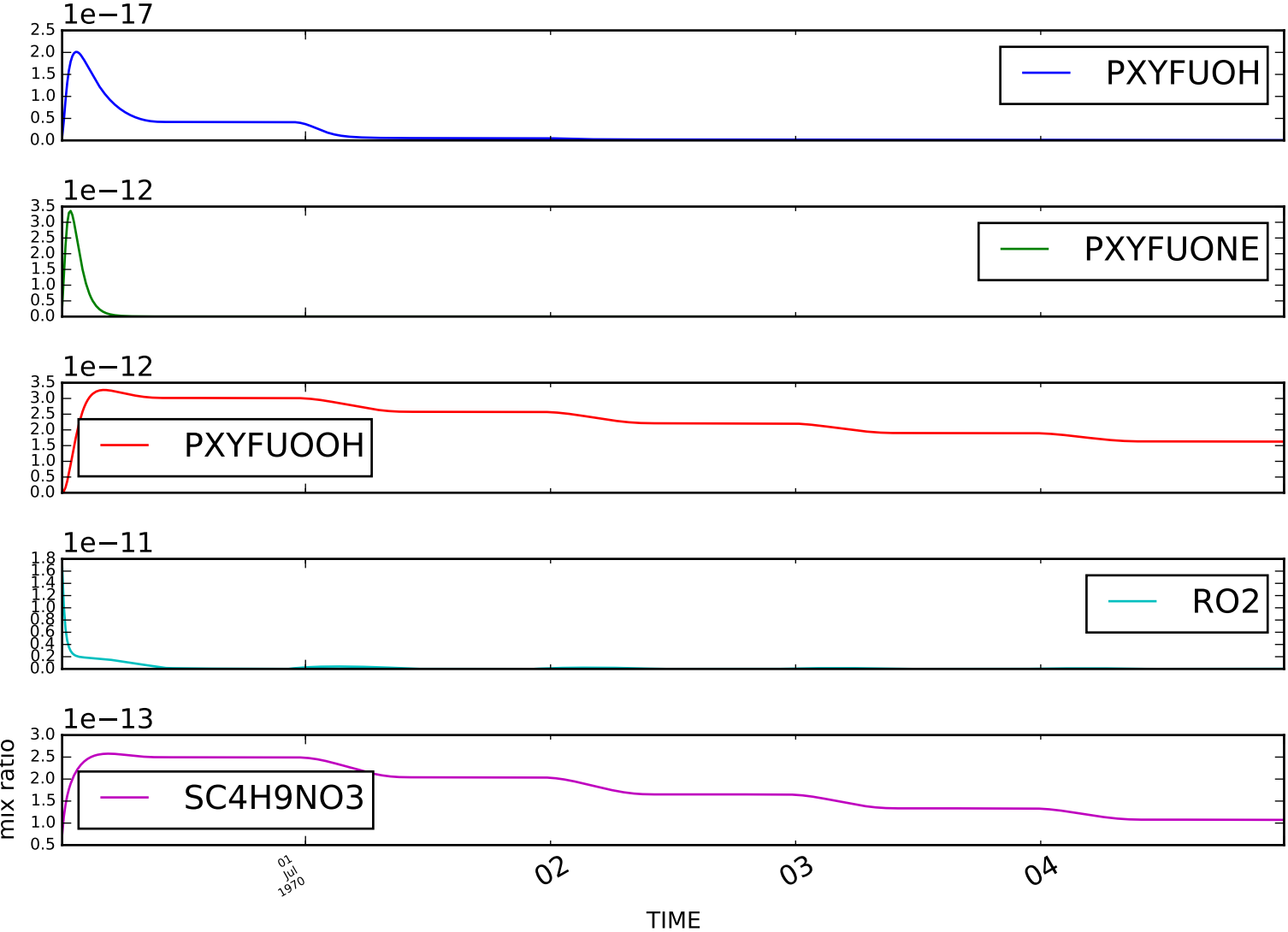
1e−24
PROPALO
1e−14
PROPGLY
1e−13
PROPOLNO3
1e−22
PXYFUO
mix ratio
01
Jul
1970
02
03
04
TIME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1e−12
PXYFUONE
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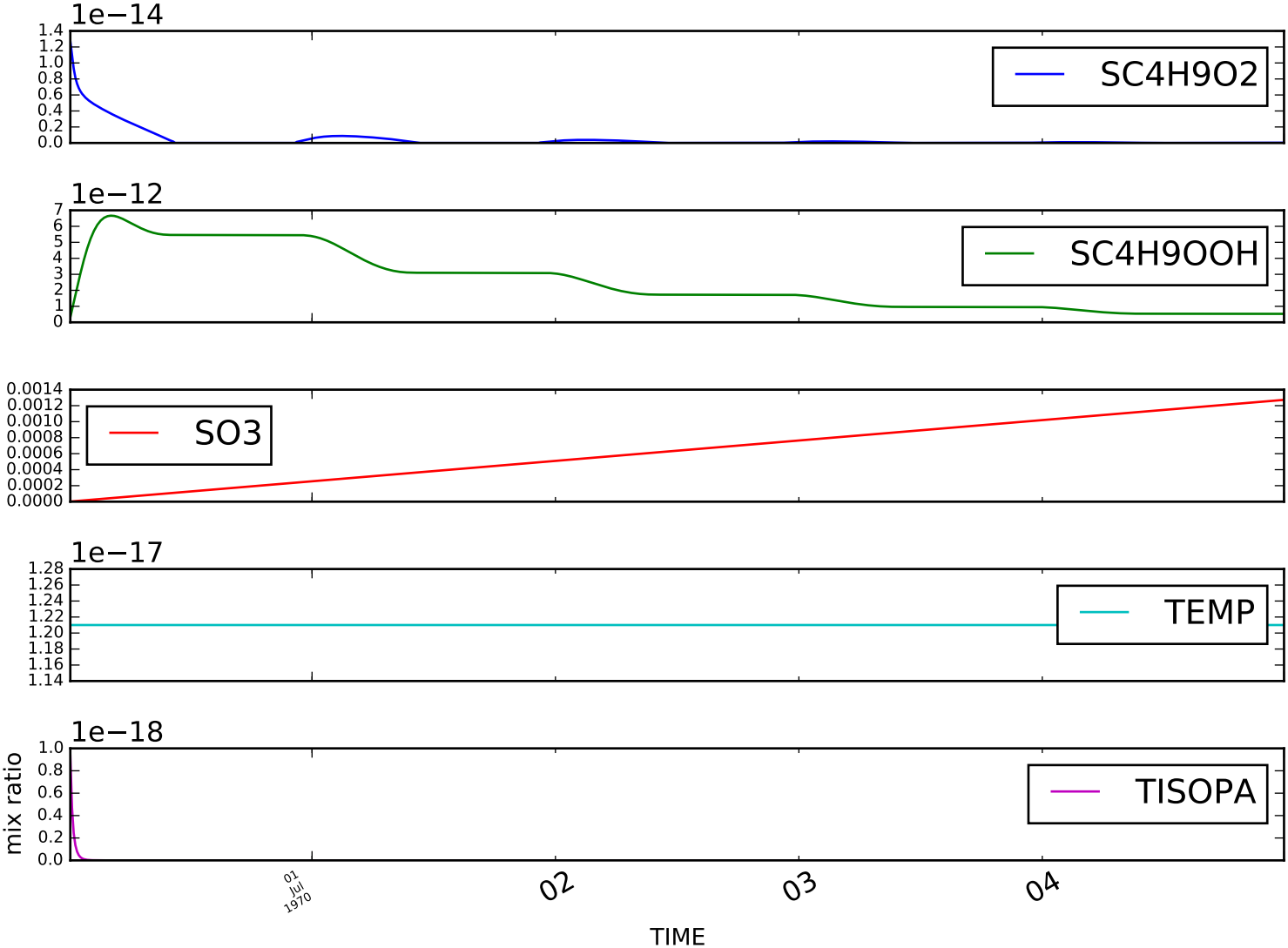
PXYFUOOH
1e−11
RO2
1e−13
SC4H9NO3
mix ratio
01
Jul
1970
02
03
04
TIME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1.2
1.0
0.8
0.6
0.4
0.2
0.0
SC4H9O2
1e−12
7
6
5
4
3
2
1
0
SC4H9OOH
0.0014
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
SO3
1e−17
1.28
1.26
1.24
1.22
1.20
1.18
1.16
1.14
TEMP
1e−18
1.0
0.8
0.6
0.4
0.2
0.0
mix ratio
TISOPA
01
Jul
1970
02
03
04
TIME