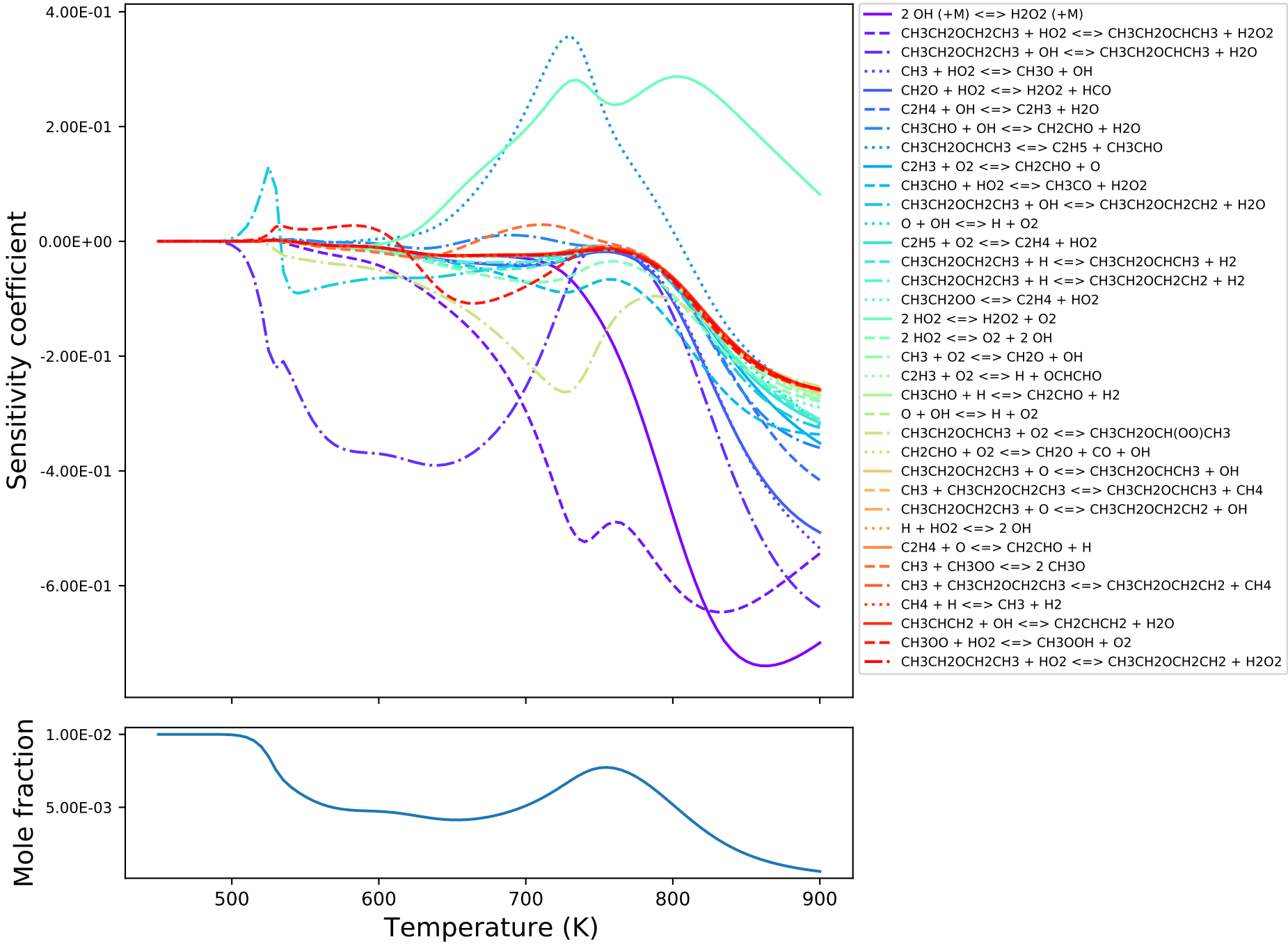
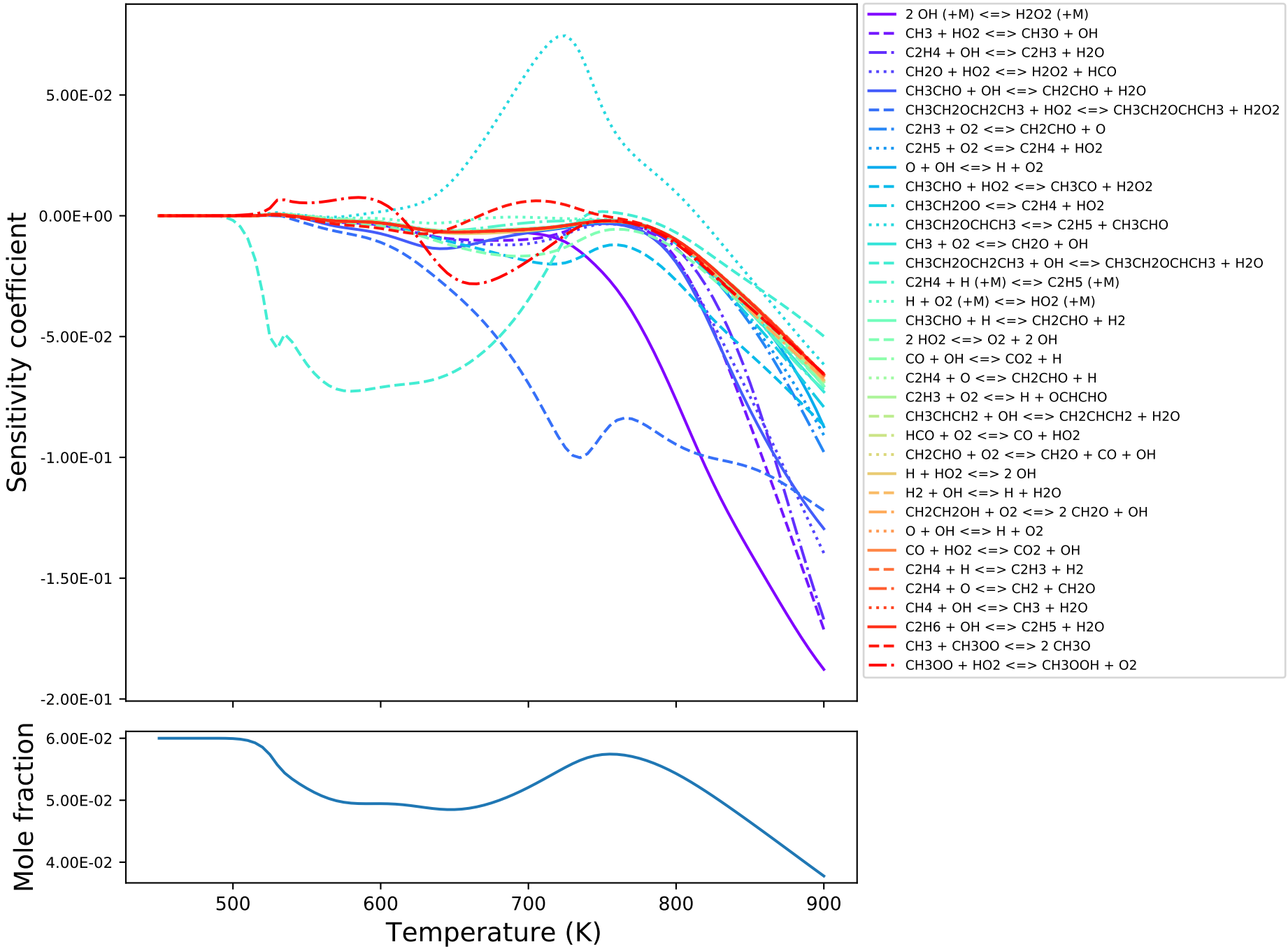
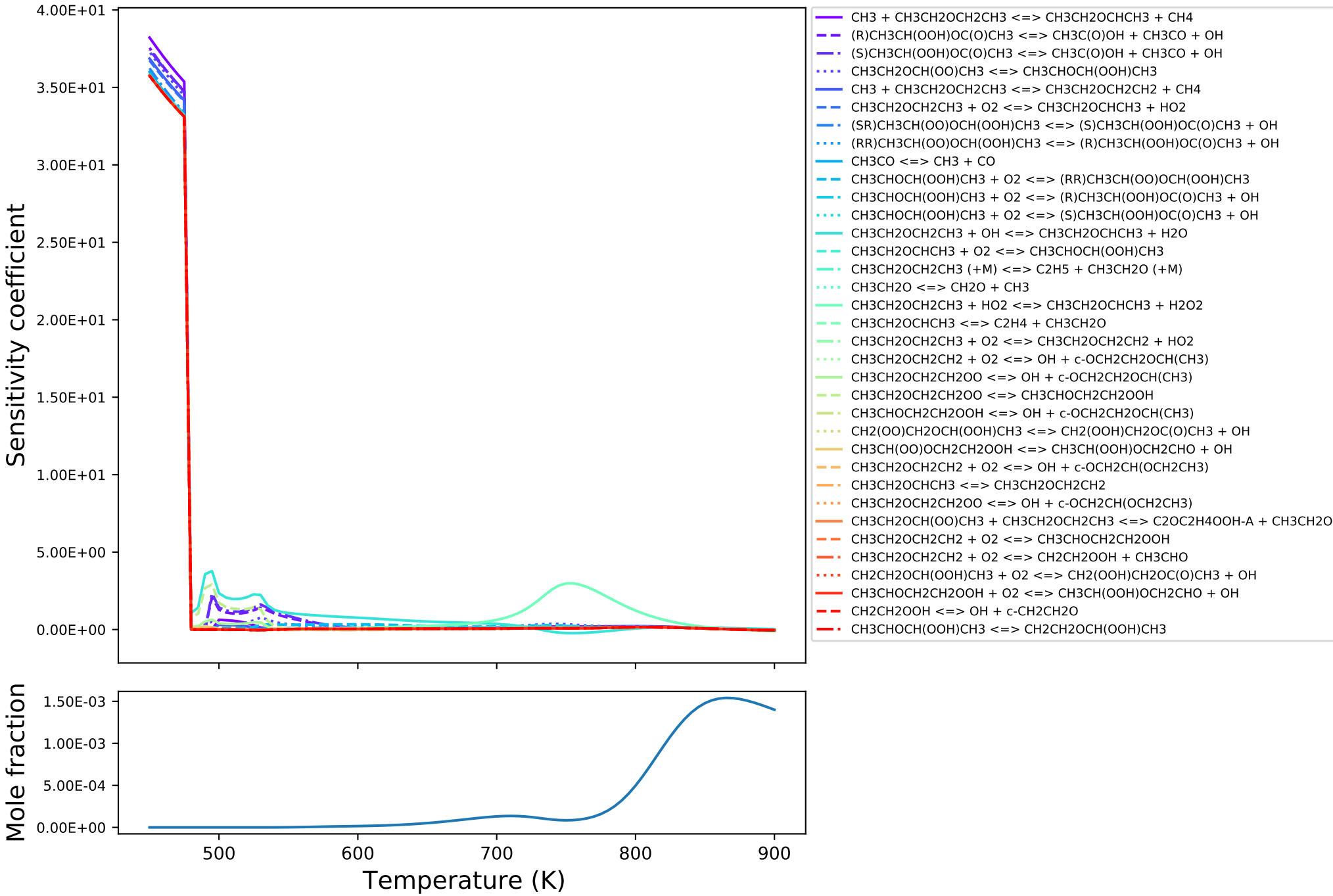
CH3CH2OCH2CH3



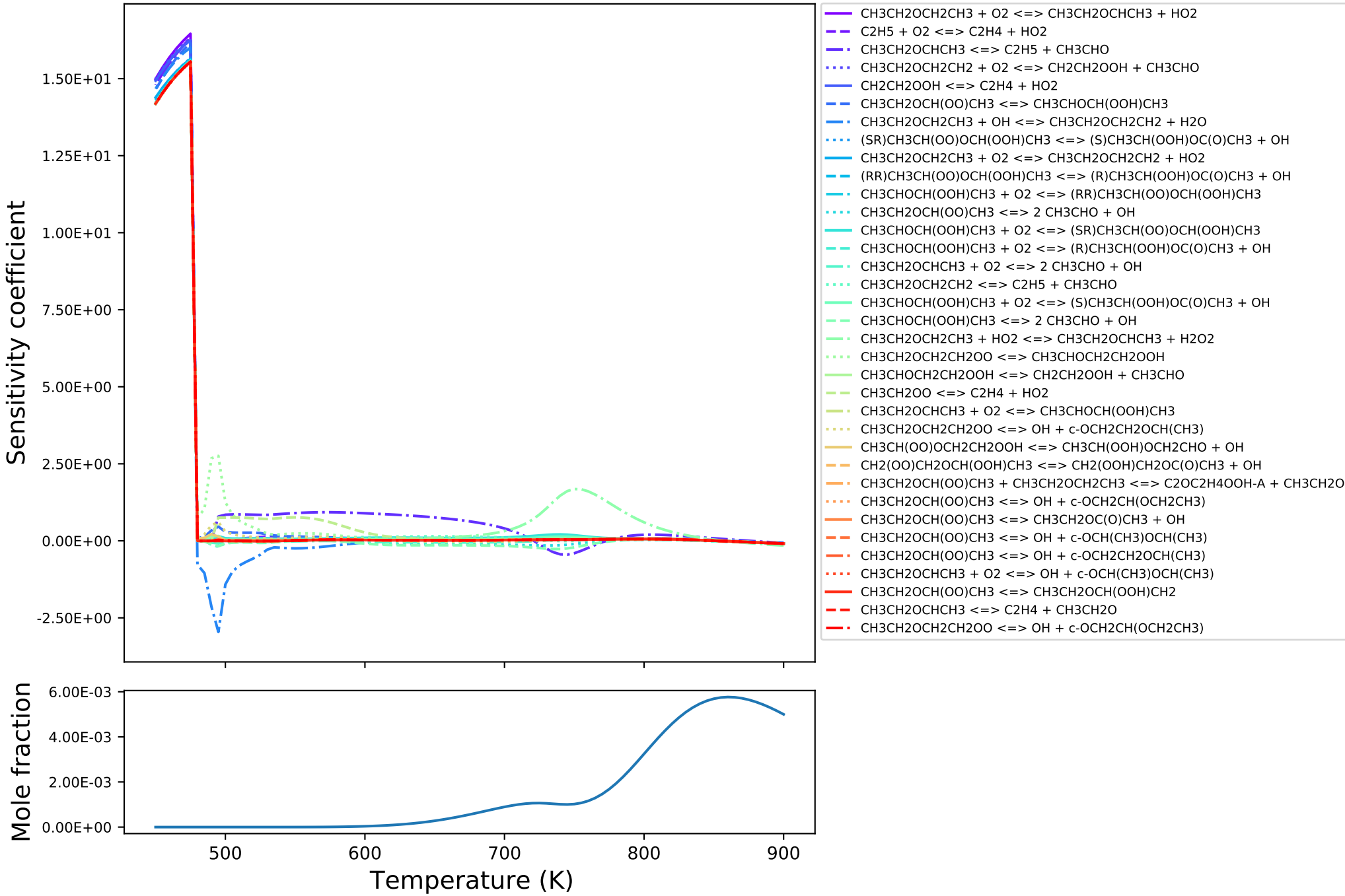
O2


Sensitivity coefficient
5.00E-02
0.00E+00
-5.00E-02
-1.00E-01
-1.50E-01
-2.00E-01
Mole fraction
6.00E-02
5.00E-02
4.00E-02
500
600
700
800
900
Temperature (K)
2 OH (+M) <=> H2O2 (+M)
CH3 + HO2 <=> CH3O + OH
C2H4 + OH <=> C2H3 + H2O
CH2O + HO2 <=> H2O2 + HCO
CH3CHO + OH <=> CH2CHO + H2O
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
C2H3 + O2 <=> CH2CHO + O
C2H5 + O2 <=> C2H4 + HO2
O + OH <=> H + O2
CH3CHO + HO2 <=> CH3CO + H2O2
CH3CH2OO <=> C2H4 + HO2
CH3CH2OCHCH3 <=> C2H5 + CH3CHO
CH3 + O2 <=> CH2O + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
C2H4 + H (+M) <=> C2H5 (+M)
H + O2 (+M) <=> HO2 (+M)
CH3CHO + H <=> CH2CHO + H2
2 HO2 <=> O2 + 2 OH
CO + OH <=> CO2 + H
C2H4 + O <=> CH2CHO + H
C2H3 + O2 <=> H + OCHCHO
CH3CHCH2 + OH <=> CH2CHCH2 + H2O
HCO + O2 <=> CO + HO2
CH2CHO + O2 <=> CH2O + CO + OH
H + HO2 <=> 2 OH
H2 + OH <=> H + H2O
CH2CH2OH + O2 <=> 2 CH2O + OH
O + OH <=> H + O2
CO + HO2 <=> CO2 + OH
C2H4 + H <=> C2H3 + H2
C2H4 + O <=> CH2 + CH2O
CH4 + OH <=> CH3 + H2O
C2H6 + OH <=> C2H5 + H2O
CH3 + CH3OO <=> 2 CH3O
CH3OO + HO2 <=> CH3OOH + O2

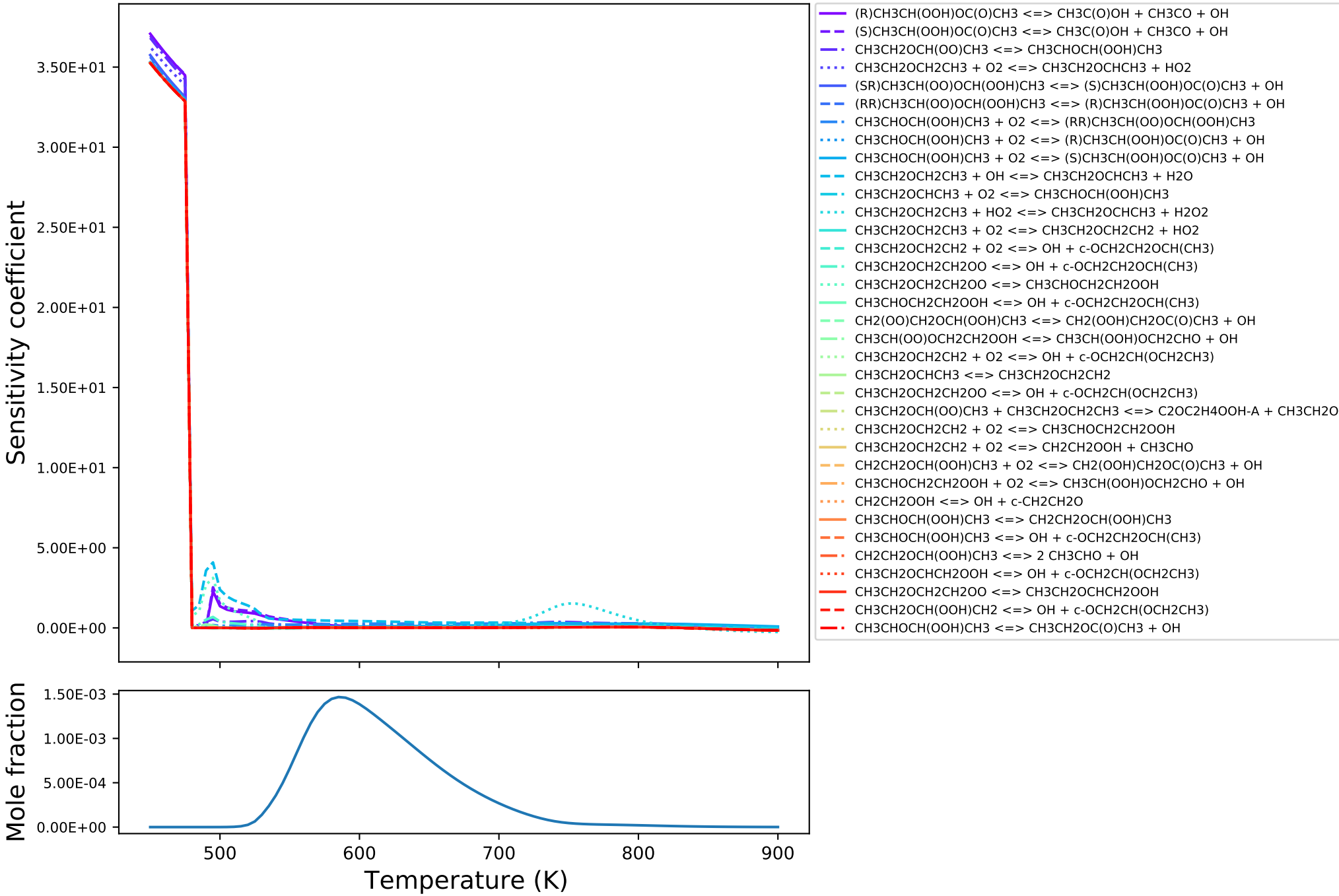
CH4


Sensitivity coefficient
4.00E+01
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
Mole fraction
1.50E-03
1.00E-03
5.00E-04
0.00E+00
500
600
700
800
900
Temperature (K)
CH3 + CH3CH2OCH2CH3 <=> CH3CH2OCHCH3 + CH4
(R)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
(S)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3 + CH3CH2OCH2CH3 <=> CH3CH2OCH2CH2 + CH4
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CO <=> CH3 + CO
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 (+M) <=> C2H5 + CH3CH2O (+M)
CH3CH2O <=> CH2O + CH3
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCHCH3 <=> C2H4 + CH3CH2O
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH2CH2 + O2 <=> CH3CHOCH2CH2OOH
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH2CH2OCH(OOH)CH3 + O2 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CHOCH2CH2OOH + O2 <=> CH3CH(OOH)OCH2CHO + OH
CH2CH2OOH <=> OH + c-CH2CH2O
CH3CHOCH(OOH)CH3 <=> CH2CH2OCH(OOH)CH3

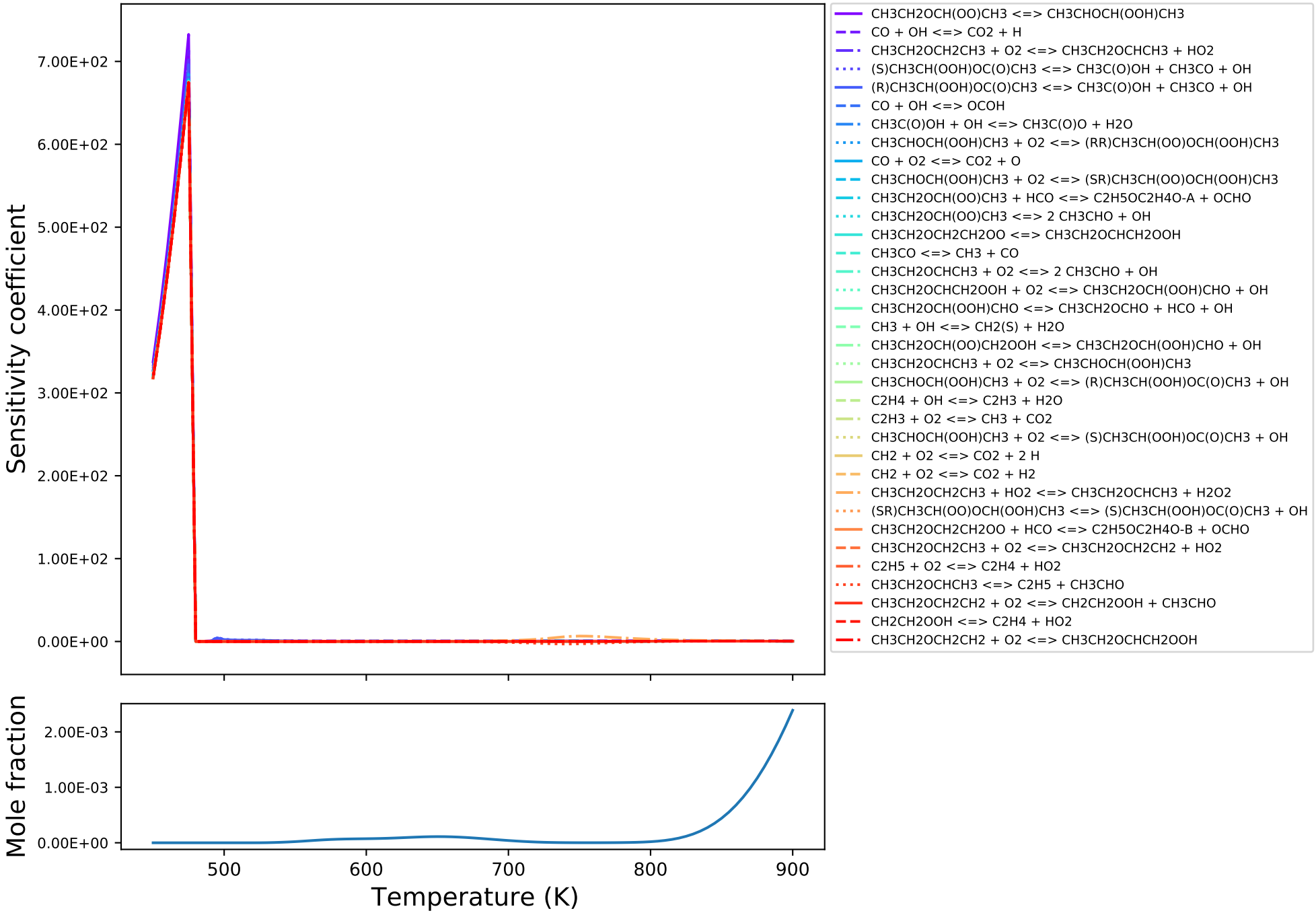
C2H4


Sensitivity coefficient
1.50E+01
1.25E+01
1.00E+01
7.50E+00
5.00E+00
2.50E+00
0.00E+00
-2.50E+00
Mole fraction
6.00E-03
4.00E-03
2.00E-03
0.00E+00
500
600
700
800
900
Temperature (K)
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
C2H5 + O2 <=> C2H4 + HO2
CH3CH2OCHCH3 <=> C2H5 + CH3CHO
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH2CH2OOH <=> C2H4 + HO2
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + OH <=> CH3CH2OCH2CH2 + H2O
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3CHOCH(OOH)CH3 + O2 <=> (SR)CH3CH(OO)OCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCHCH3 + O2 <=> 2 CH3CHO + OH
CH3CH2OCH2CH2 <=> C2H5 + CH3CHO
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CHOCH2CH2OOH <=> CH2CH2OOH + CH3CHO
CH3CH2OO <=> C2H4 + HO2
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OC(O)CH3 + OH
CH3CH2OCH(OO)CH3 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCHCH3 + O2 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OCH(OOH)CH2
CH3CH2OCHCH3 <=> C2H4 + CH3CH2O
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)

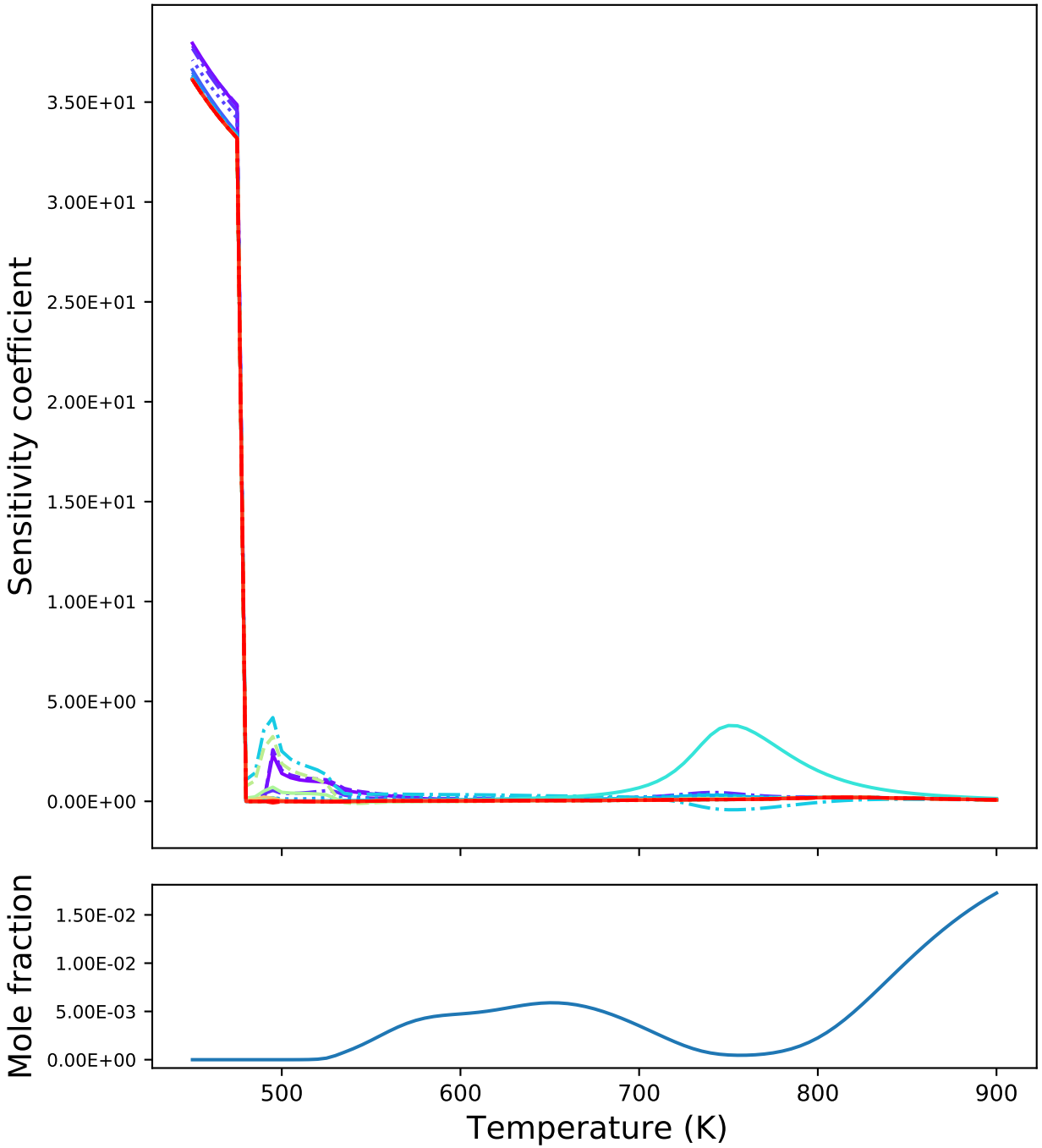
CH3C(O)OH

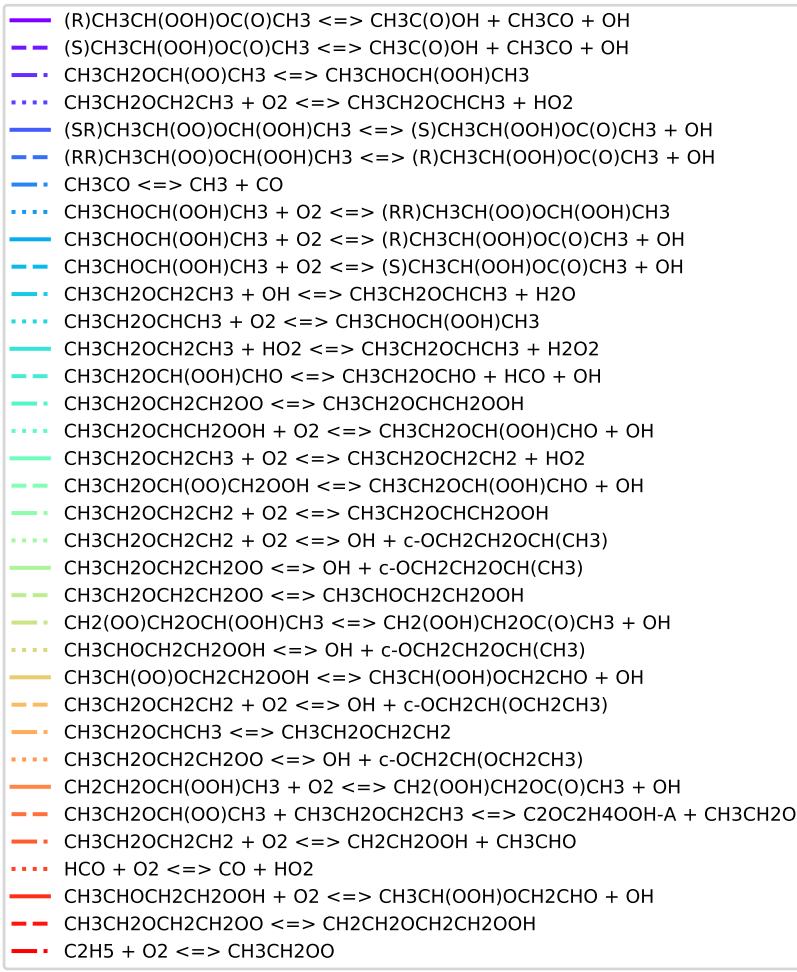

Sensitivity coefficient
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
Mole fraction
1.50E-03
1.00E-03
5.00E-04
0.00E+00
500
600
700
800
900
Temperature (K)
(R)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
(S)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH2CH2 + O2 <=> CH3CHOCH2CH2OOH
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH2CH2OCH(OOH)CH3 + O2 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CHOCH2CH2OOH + O2 <=> CH3CH(OOH)OCH2CHO + OH
CH2CH2OOH <=> OH + c-CH2CH2O
CH3CHOCH(OOH)CH3 <=> CH2CH2OCH(OOH)CH3
CH3CHOCH(OOH)CH3 <=> OH + c-OCH2CH2OCH(CH3)
CH2CH2OCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCHCH2OOH <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH2CH2OO <=> CH3CH2OCHCH2OOH
CH3CH2OCH(OOH)CH2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CHOCH(OOH)CH3 <=> CH3CH2OC(O)CH3 + OH

CO2

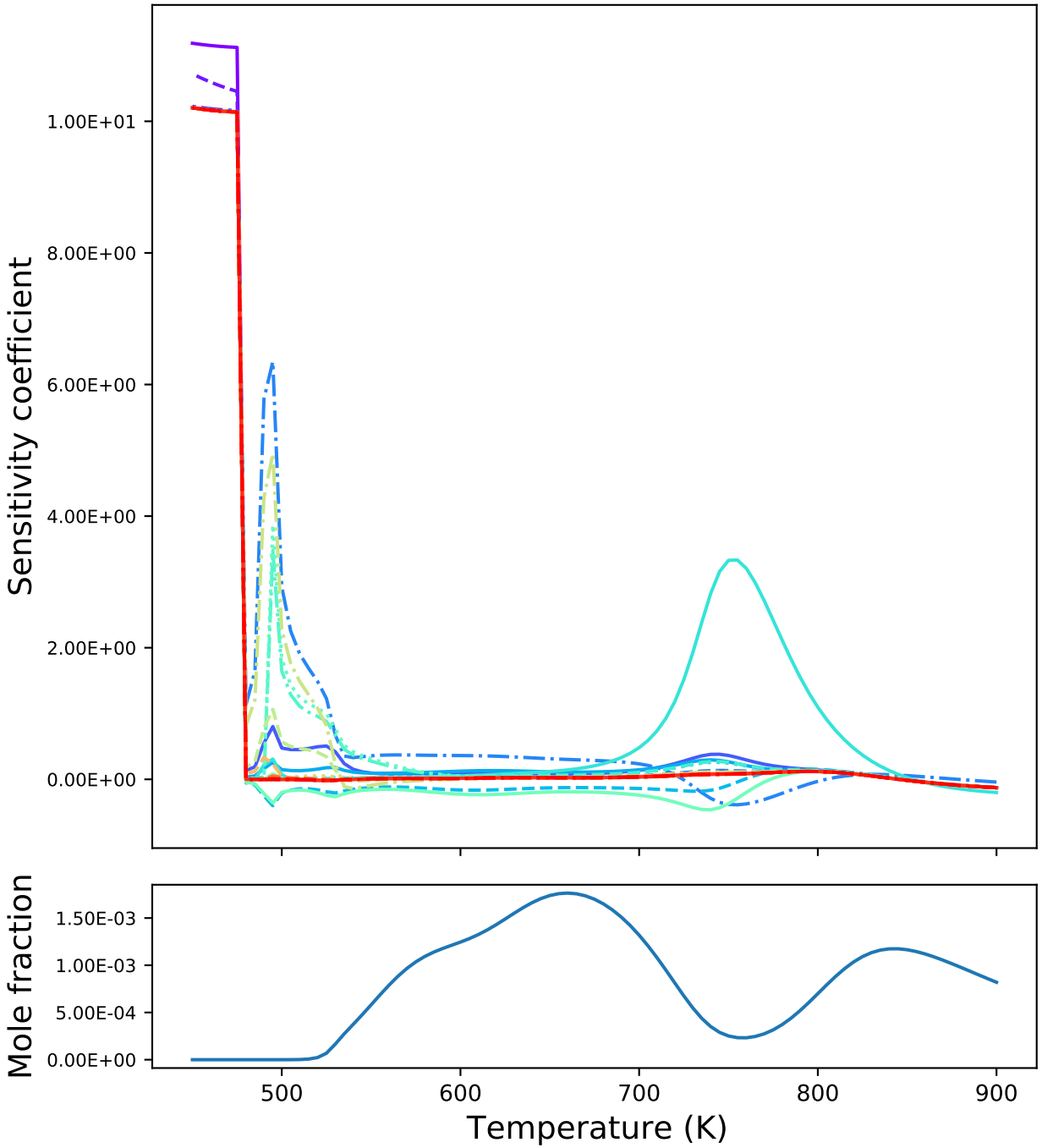

Sensitivity coefficient
7.00E+02
6.00E+02
5.00E+02
4.00E+02
3.00E+02
2.00E+02
1.00E+02
0.00E+00
Mole fraction
2.00E-03
1.00E-03
0.00E+00
500
600
700
800
900
Temperature (K)
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CO + OH <=> CO2 + H
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
(S)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
(R)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
CO + OH <=> OCOH
CH3C(O)OH + OH <=> CH3C(O)O + H2O
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CO + O2 <=> CO2 + O
CH3CHOCH(OOH)CH3 + O2 <=> (SR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH(OO)CH3 + HCO <=> C2H5OC2H4O-A + OCHO
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH2CH2OO <=> CH3CH2OCHCH2OOH
CH3CO <=> CH3 + CO
CH3CH2OCHCH3 + O2 <=> 2 CH3CHO + OH
CH3CH2OCHCH2OOH + O2 <=> CH3CH2OCH(OOH)CHO + OH
CH3CH2OCH(OOH)CHO <=> CH3CH2OCHO + HCO + OH
CH3 + OH <=> CH2(S) + H2O
CH3CH2OCH(OO)CH2OOH <=> CH3CH2OCH(OOH)CHO + OH
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
C2H4 + OH <=> C2H3 + H2O
C2H3 + O2 <=> CH3 + CO2
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH2 + O2 <=> CO2 + 2 H
CH2 + O2 <=> CO2 + H2
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH2OO + HCO <=> C2H5OC2H4O-B + OCHO
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
C2H5 + O2 <=> C2H4 + HO2
CH3CH2OCHCH3 <=> C2H5 + CH3CHO
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH2CH2OOH <=> C2H4 + HO2
CH3CH2OCH2CH2 + O2 <=> CH3CH2OCHCH2OOH

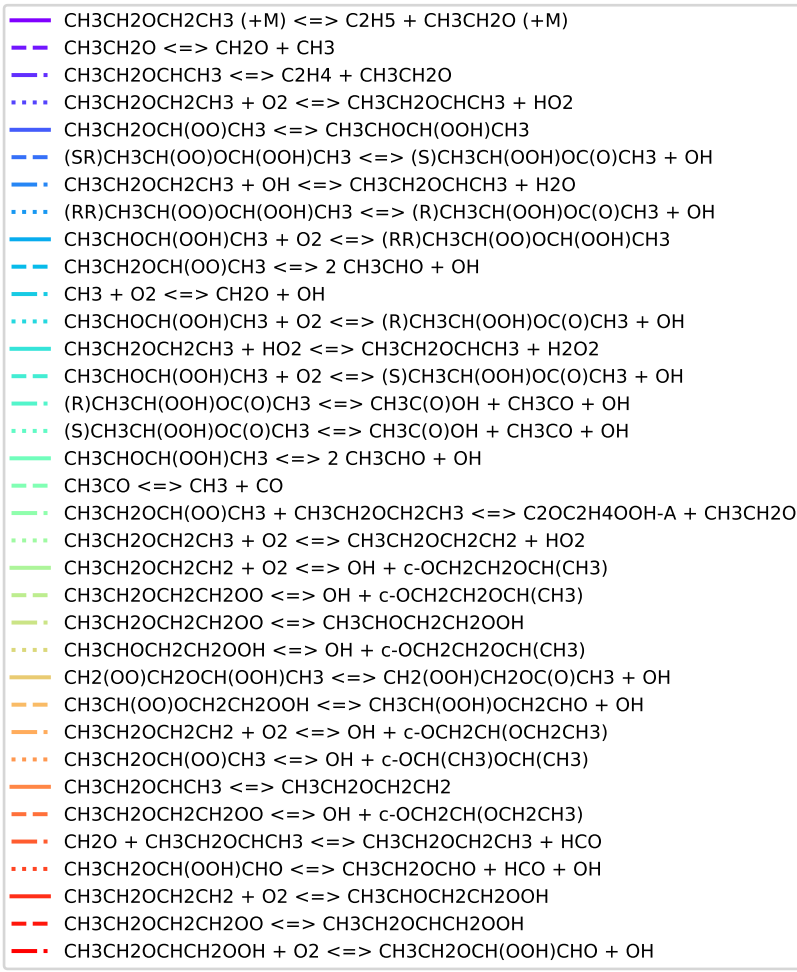
CO


Sensitivity coefficient
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
Mole fraction
1.50E-02
1.00E-02
5.00E-03
0.00E+00
500
600
700
800
900
Temperature (K)

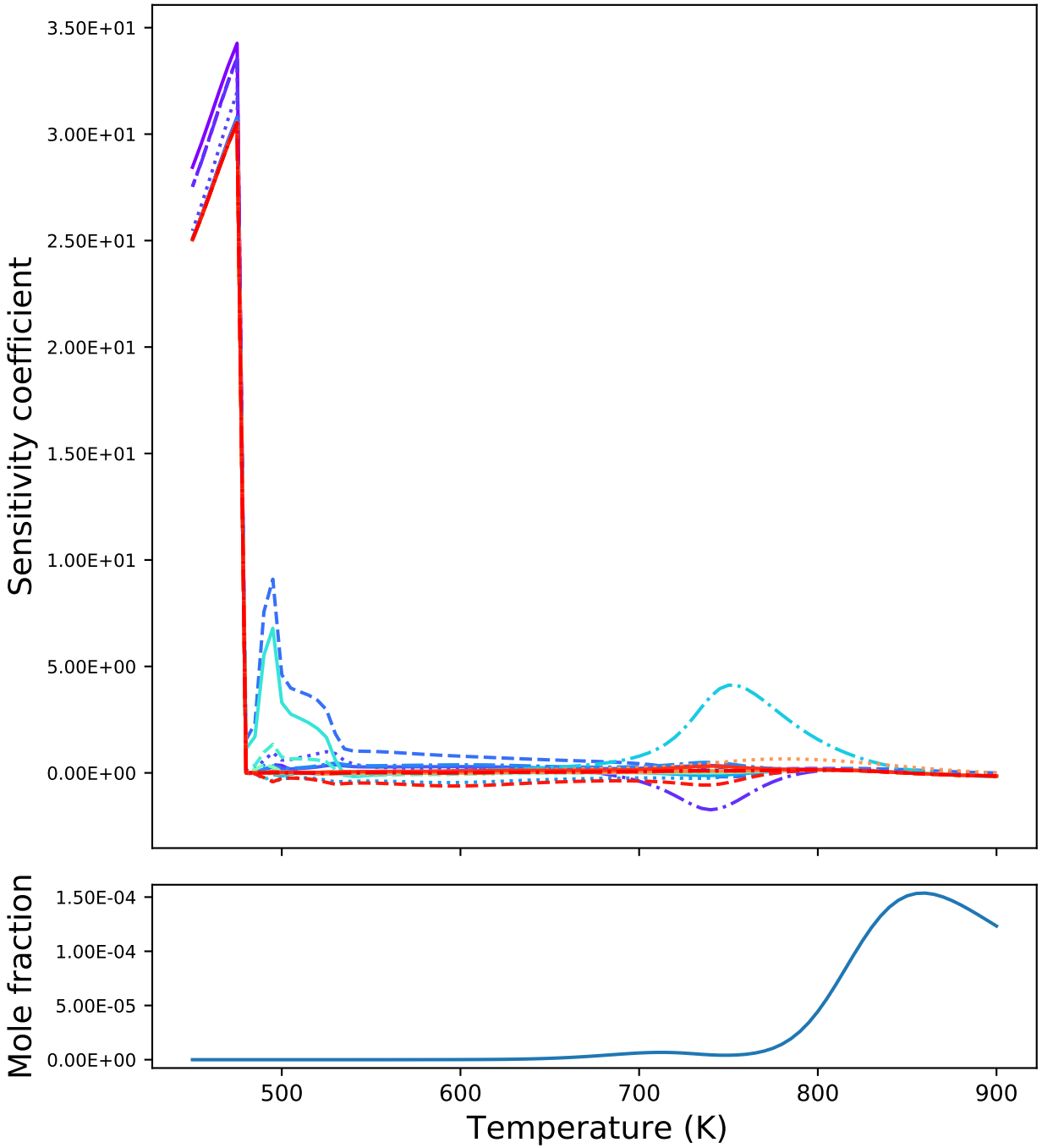

(R)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
(S)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CO <=> CH3 + CO
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCH(OOH)CHO <=> CH3CH2OCHO + HCO + OH
CH3CH2OCH2CH2OO <=> CH3CH2OCHCH2OOH
CH3CH2OCHCH2OOH + O2 <=> CH3CH2OCH(OOH)CHO + OH
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH(OO)CH2OOH <=> CH3CH2OCH(OOH)CHO + OH
CH3CH2OCH2CH2 + O2 <=> CH3CH2OCHCH2OOH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH2CH2OCH(OOH)CH3 + O2 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
HCO + O2 <=> CO + HO2
CH3CHOCH2CH2OOH + O2 <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH2CH2OO <=> CH2CH2OCH2CH2OOH
C2H5 + O2 <=> CH3CH2OO

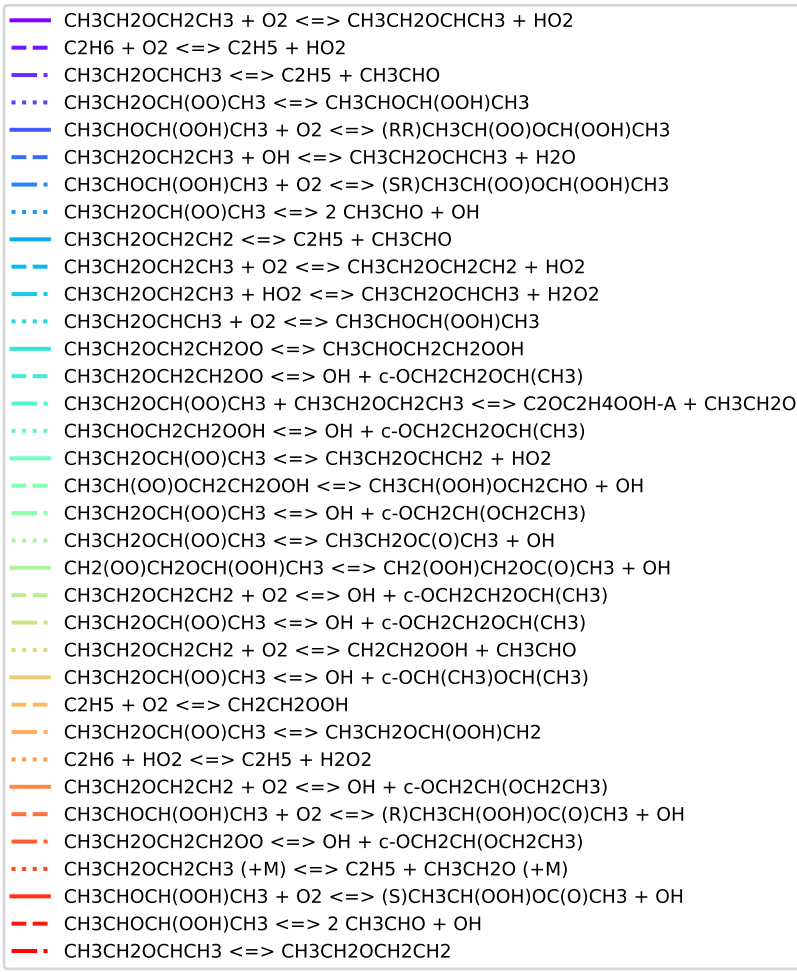
CH2O


Sensitivity coefficient
1.00E+01
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Mole fraction
1.50E-03
1.00E-03
5.00E-04
0.00E+00
500
600
700
800
900
Temperature (K)

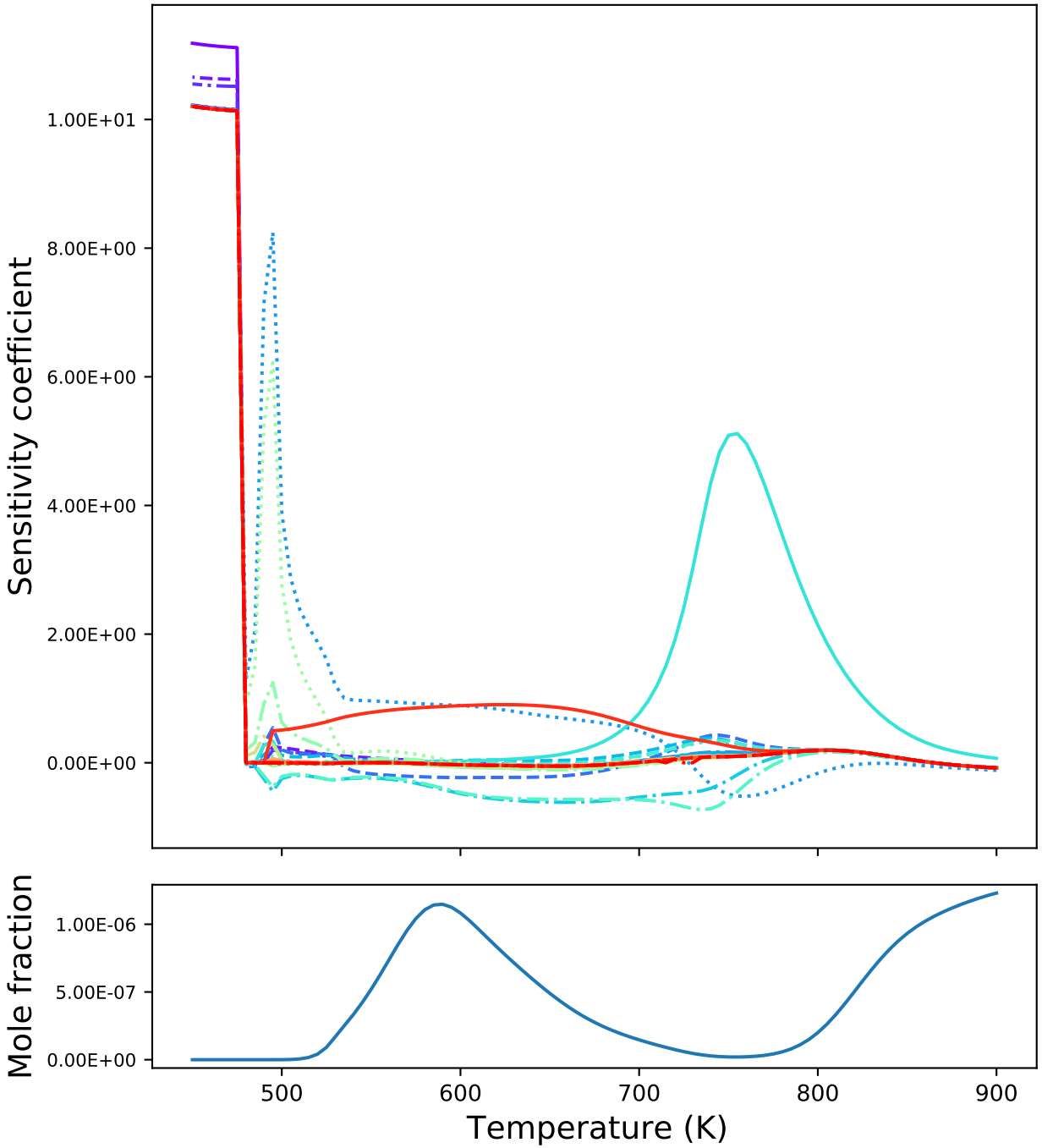

CH3CH2OCH2CH3 (+M) <=> C2H5 + CH3CH2O (+M)
CH3CH2O <=> CH2O + CH3
CH3CH2OCHCH3 <=> C2H4 + CH3CH2O
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3 + O2 <=> CH2O + OH
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
(R)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
(S)CH3CH(OOH)OC(O)CH3 <=> CH3C(O)OH + CH3CO + OH
CH3CHOCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CO <=> CH3 + CO
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH2O + CH3CH2OCHCH3 <=> CH3CH2OCH2CH3 + HCO
CH3CH2OCH(OOH)CHO <=> CH3CH2OCHO + HCO + OH
CH3CH2OCH2CH2 + O2 <=> CH3CHOCH2CH2OOH
CH3CH2OCH2CH2OO <=> CH3CH2OCHCH2OOH
CH3CH2OCHCH2OOH + O2 <=> CH3CH2OCH(OOH)CHO + OH

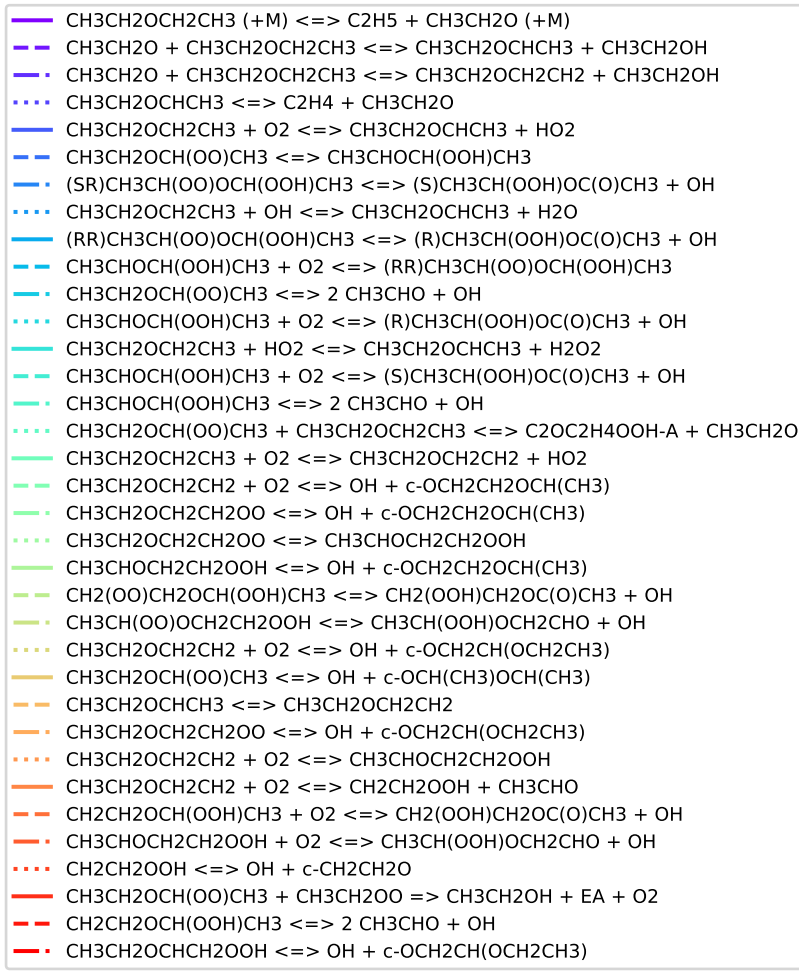
C2H6


Sensitivity coefficient
3.50E+01
3.00E+01
2.50E+01
2.00E+01
1.50E+01
1.00E+01
5.00E+00
0.00E+00
Mole fraction
1.50E-04
1.00E-04
5.00E-05
0.00E+00
500
600
700
800
900
Temperature (K)

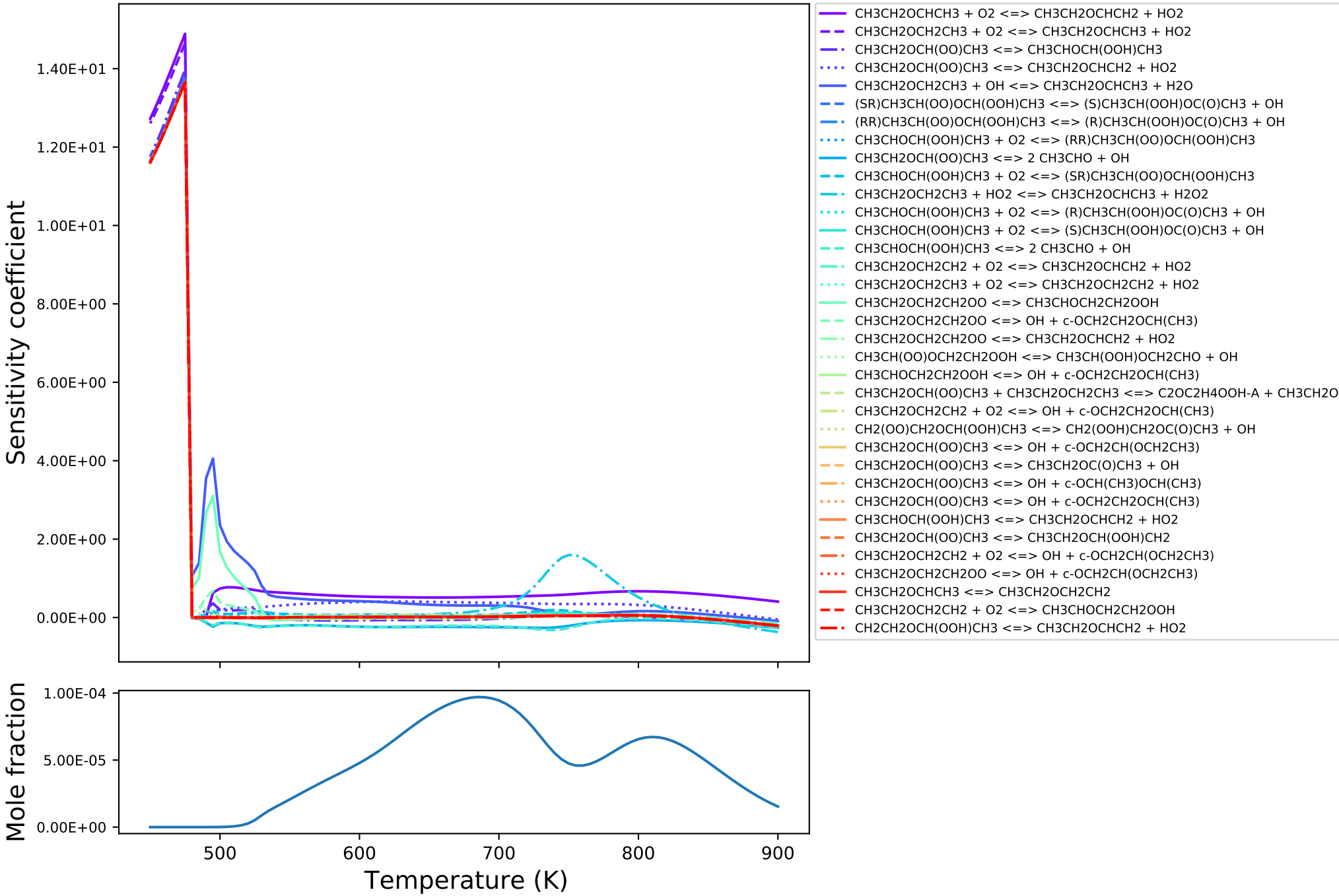

CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
C2H6 + O2 <=> C2H5 + HO2
CH3CH2OCHCH3 <=> C2H5 + CH3CHO
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
CH3CHOCH(OOH)CH3 + O2 <=> (SR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH2CH2 <=> C2H5 + CH3CHO
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OCHCH2 + HO2
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OC(O)CH3 + OH
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH3CH2OCH(OO)CH3 <=> OH + c-OCH(CH3)OCH(CH3)
C2H5 + O2 <=> CH2CH2OOH
CH3CH2OCH(OO)CH3 <=> CH3CH2OCH(OOH)CH2
C2H6 + HO2 <=> C2H5 + H2O2
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH2CH3 (+M) <=> C2H5 + CH3CH2O (+M)
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2

CH3CH2OH

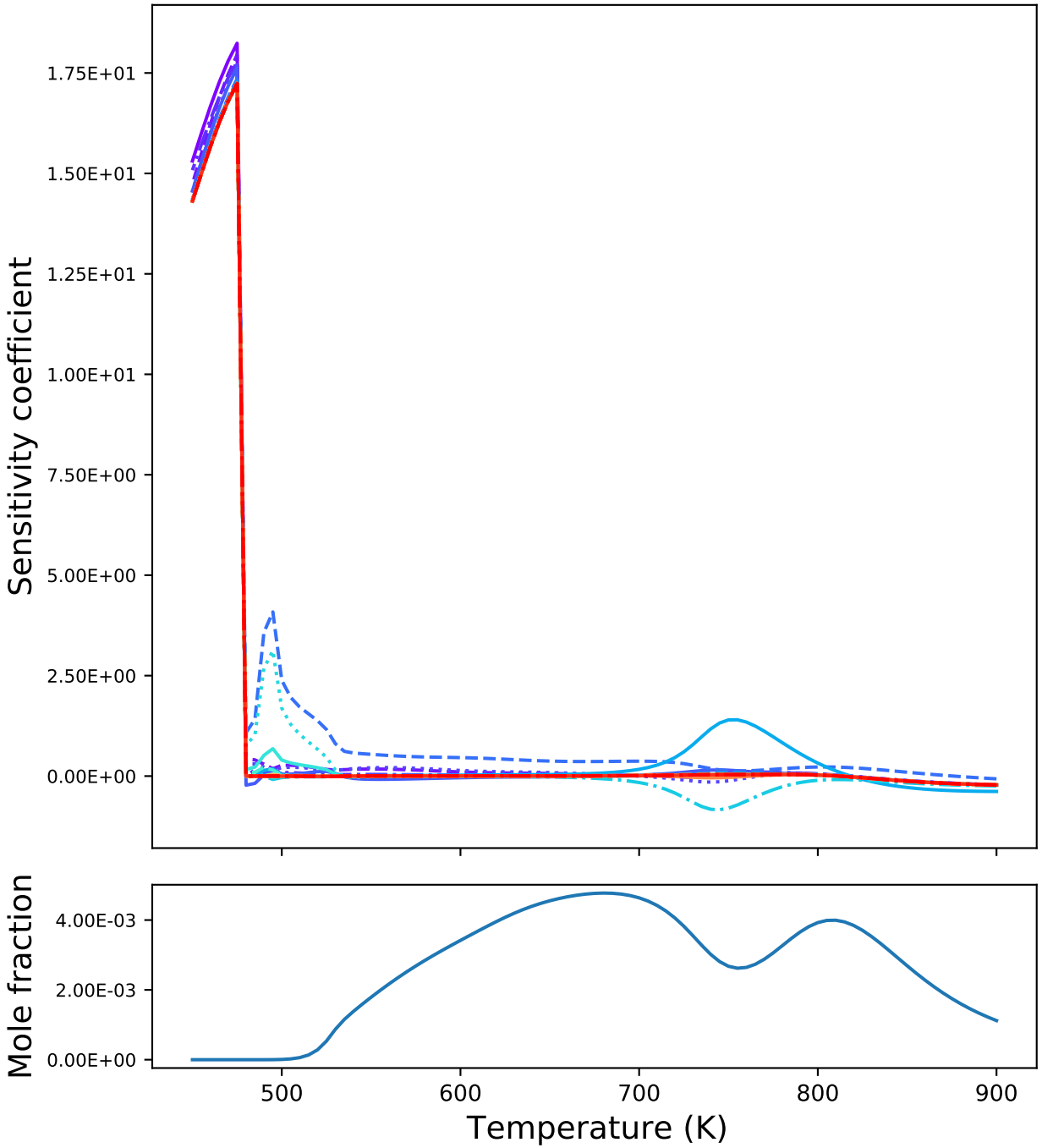

Sensitivity coefficient
1.00E+01
8.00E+00
6.00E+00
4.00E+00
2.00E+00
0.00E+00
Mole fraction
1.00E-06
5.00E-07
0.00E+00
500
600
700
800
900
Temperature (K)

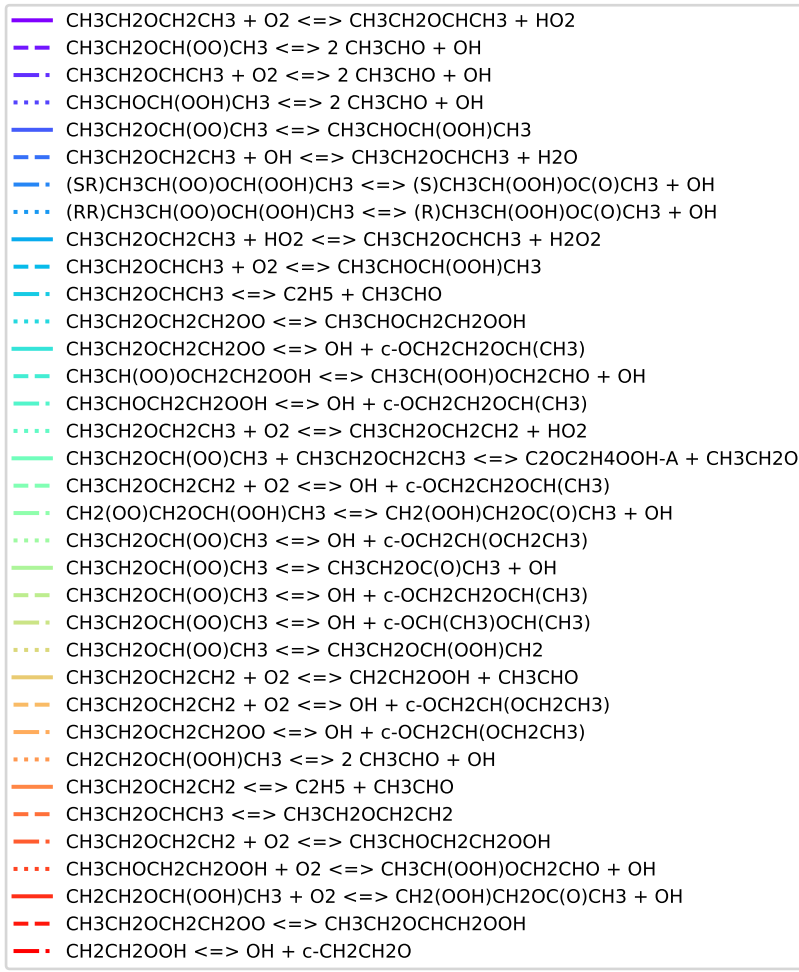

CH3CH2OCH2CH3 (+M) <=> C2H5 + CH3CH2O (+M)
CH3CH2O + CH3CH2OCH2CH3 <=> CH3CH2OCHCH3 + CH3CH2OH
CH3CH2O + CH3CH2OCH2CH3 <=> CH3CH2OCH2CH2 + CH3CH2OH
CH3CH2OCHCH3 <=> C2H4 + CH3CH2O
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH2CH2 + O2 <=> CH3CHOCH2CH2OOH
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH2CH2OCH(OOH)CH3 + O2 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CHOCH2CH2OOH + O2 <=> CH3CH(OOH)OCH2CHO + OH
CH2CH2OOH <=> OH + c-CH2CH2O
CH3CH2OCH(OO)CH3 + CH3CH2OO => CH3CH2OH + EA + O2
CH2CH2OCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCHCH2OOH <=> OH + c-OCH2CH(OCH2CH3)

CH3CH2OCHCH2

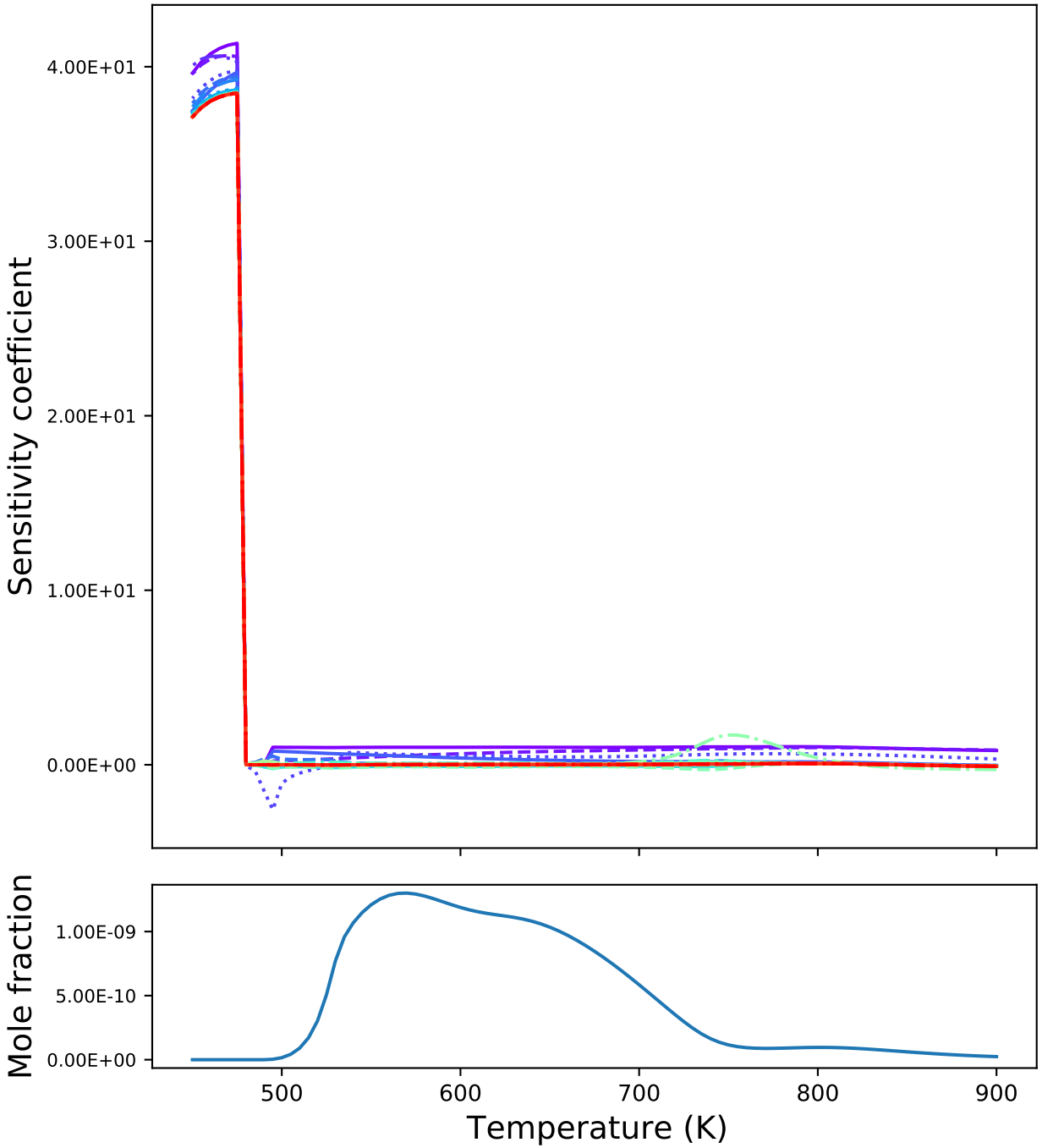


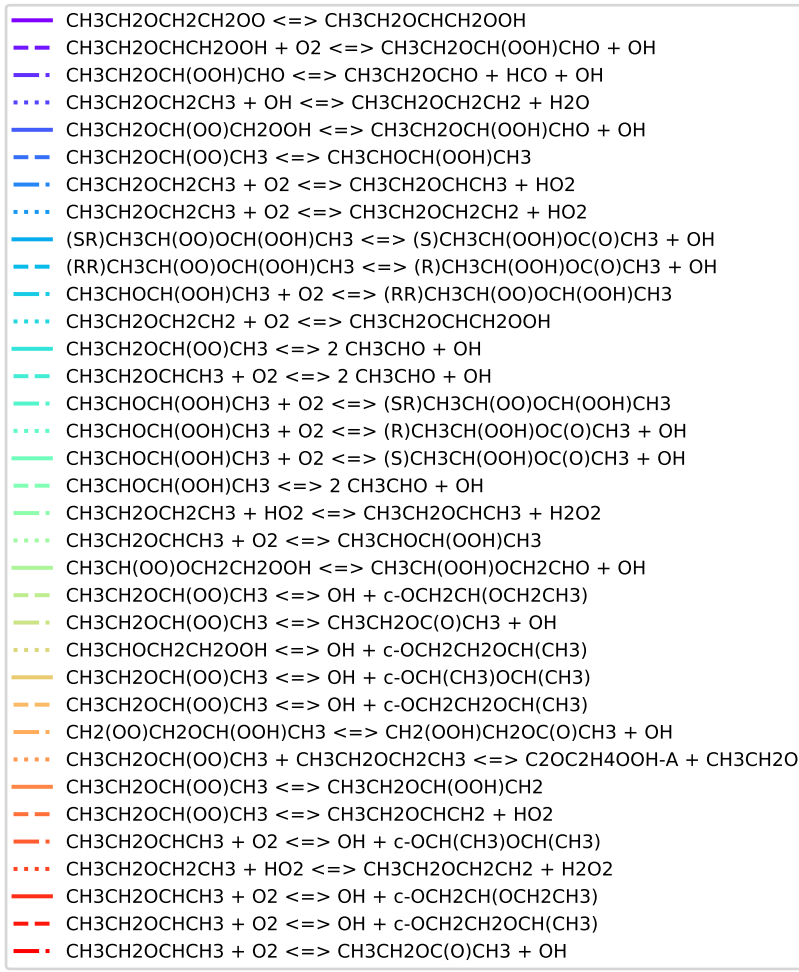
CH3CHO


Sensitivity coefficient
1.75E+01
1.50E+01
1.25E+01
1.00E+01
7.50E+00
5.00E+00
2.50E+00
0.00E+00
Mole fraction
4.00E-03
2.00E-03
0.00E+00
500
600
700
800
900
Temperature (K)

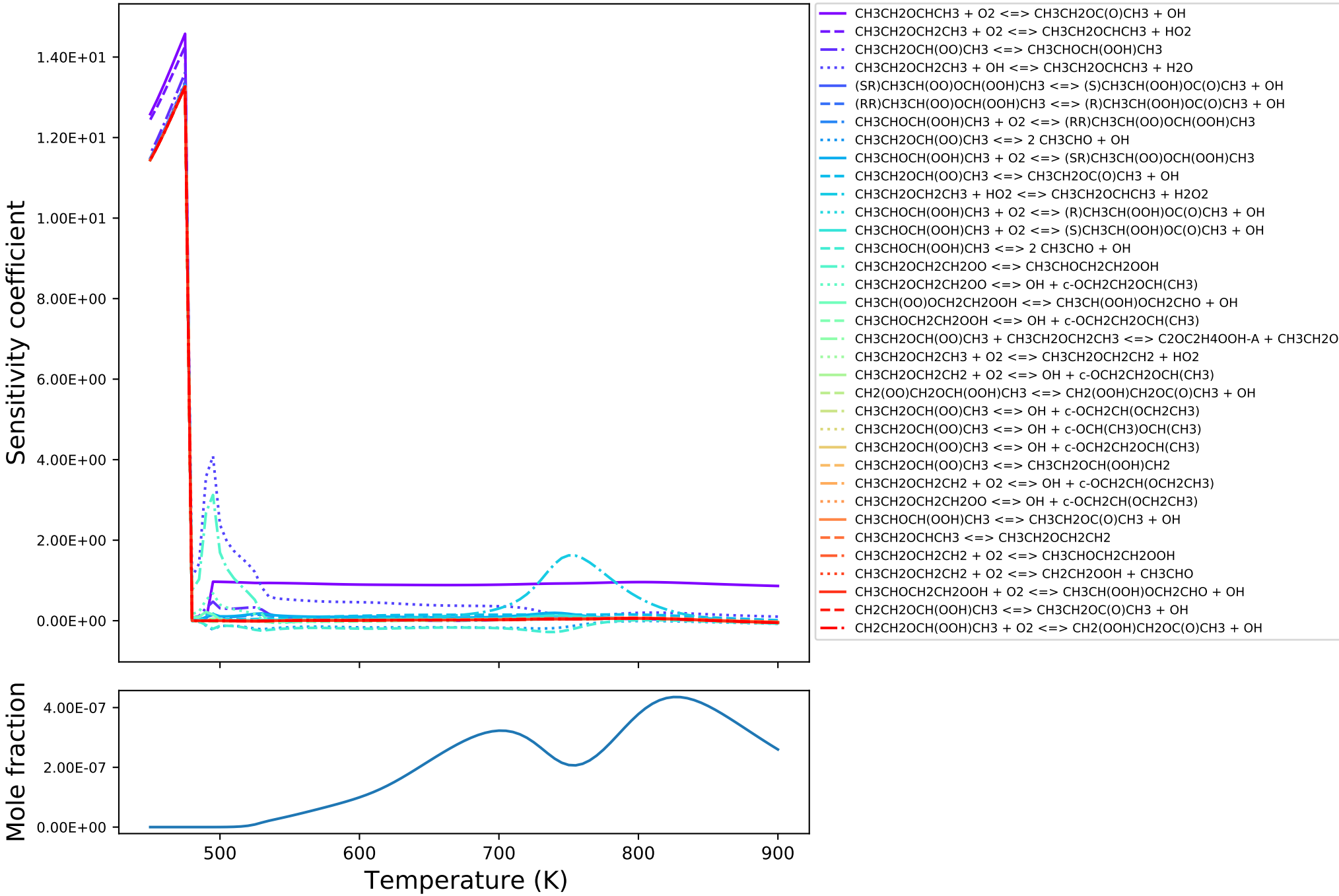

CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3CH2OCHCH3 + O2 <=> 2 CH3CHO + OH
CH3CHOCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + OH <=> CH3CH2OCHCH3 + H2O
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH2OCHCH3 <=> C2H5 + CH3CHO
CH3CH2OCH2CH2OO <=> CH3CHOCH2CH2OOH
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH2OCH(CH3)
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OC(O)CH3 + OH
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OCH(OOH)CH2
CH3CH2OCH2CH2 + O2 <=> CH2CH2OOH + CH3CHO
CH3CH2OCH2CH2 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH2CH2OO <=> OH + c-OCH2CH(OCH2CH3)
CH2CH2OCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH2CH2 <=> C2H5 + CH3CHO
CH3CH2OCHCH3 <=> CH3CH2OCH2CH2
CH3CH2OCH2CH2 + O2 <=> CH3CHOCH2CH2OOH
CH3CHOCH2CH2OOH + O2 <=> CH3CH(OOH)OCH2CHO + OH
CH2CH2OCH(OOH)CH3 + O2 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH2OCH2CH2OO <=> CH3CH2OCHCH2OOH
CH2CH2OOH <=> OH + c-CH2CH2O

CH3CH2OCHO


Sensitivity coefficient
4.00E+01
3.00E+01
2.00E+01
1.00E+01
0.00E+00
Mole fraction
1.00E-09
5.00E-10
0.00E+00
500
600
700
800
900
Temperature (K)


CH3CH2OCH2CH2OO <=> CH3CH2OCHCH2OOH
CH3CH2OCHCH2OOH + O2 <=> CH3CH2OCH(OOH)CHO + OH
CH3CH2OCH(OOH)CHO <=> CH3CH2OCHO + HCO + OH
CH3CH2OCH2CH3 + OH <=> CH3CH2OCH2CH2 + H2O
CH3CH2OCH(OO)CH2OOH <=> CH3CH2OCH(OOH)CHO + OH
CH3CH2OCH(OO)CH3 <=> CH3CHOCH(OOH)CH3
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCHCH3 + HO2
CH3CH2OCH2CH3 + O2 <=> CH3CH2OCH2CH2 + HO2
(SR)CH3CH(OO)OCH(OOH)CH3 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
(RR)CH3CH(OO)OCH(OOH)CH3 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (RR)CH3CH(OO)OCH(OOH)CH3
CH3CH2OCH2CH2 + O2 <=> CH3CH2OCHCH2OOH
CH3CH2OCH(OO)CH3 <=> 2 CH3CHO + OH
CH3CH2OCHCH3 + O2 <=> 2 CH3CHO + OH
CH3CHOCH(OOH)CH3 + O2 <=> (SR)CH3CH(OO)OCH(OOH)CH3
CH3CHOCH(OOH)CH3 + O2 <=> (R)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 + O2 <=> (S)CH3CH(OOH)OC(O)CH3 + OH
CH3CHOCH(OOH)CH3 <=> 2 CH3CHO + OH
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCHCH3 + H2O2
CH3CH2OCHCH3 + O2 <=> CH3CHOCH(OOH)CH3
CH3CH(OO)OCH2CH2OOH <=> CH3CH(OOH)OCH2CHO + OH
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCH(OO)CH3 <=> CH3CH2OC(O)CH3 + OH
CH3CHOCH2CH2OOH <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCH(OO)CH3 <=> OH + c-OCH2CH2OCH(CH3)
CH2(OO)CH2OCH(OOH)CH3 <=> CH2(OOH)CH2OC(O)CH3 + OH
CH3CH2OCH(OO)CH3 + CH3CH2OCH2CH3 <=> C2OC2H4OOH-A + CH3CH2O
CH3CH2OCH(OO)CH3 <=> CH3CH2OCH(OOH)CH2
CH3CH2OCH(OO)CH3 <=> CH3CH2OCHCH2 + HO2
CH3CH2OCHCH3 + O2 <=> OH + c-OCH(CH3)OCH(CH3)
CH3CH2OCH2CH3 + HO2 <=> CH3CH2OCH2CH2 + H2O2
CH3CH2OCHCH3 + O2 <=> OH + c-OCH2CH(OCH2CH3)
CH3CH2OCHCH3 + O2 <=> OH + c-OCH2CH2OCH(CH3)
CH3CH2OCHCH3 + O2 <=> CH3CH2OC(O)CH3 + OH

CH3CH2OC(O)CH3



c-OCH2CH2OCH(CH3)