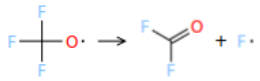
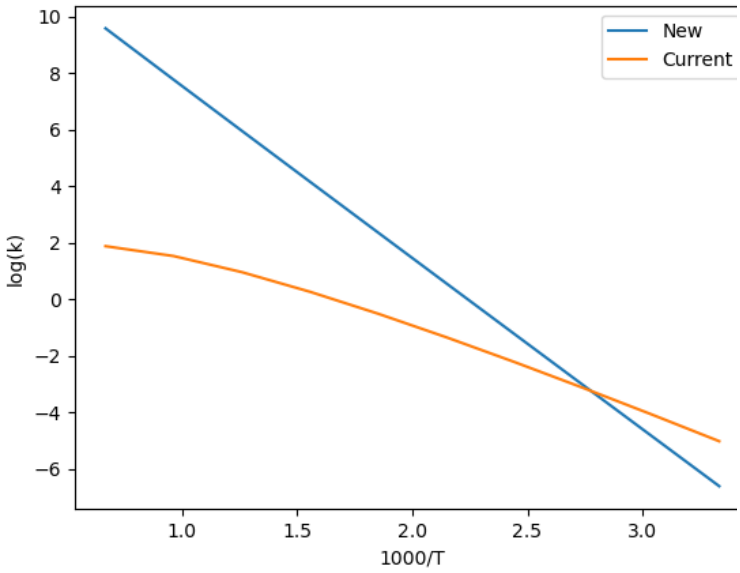
17 reactions matched to R_Addition_MultipleBond

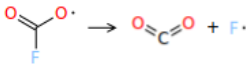
index: 7 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(7.04e+12,'s^-1'), n=0.23, Ea=(27498.2,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(4.08261e+20,'m^3/(mol*s)'), n=-5.07836, w0=(384,'kJ/mol'), E0=(74.9893,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=0.0, var=33.13686319048999, Tref=1000.0, N=1, data_mean=0.0, correlation='Root_N-3R-inRing_N-3R->C_N-1R!H->N_2R!H->O',), comment="""Estimated from node Root_N-3R-inRing_N-3R->C_N-1R!H->N_2R!H->O""")

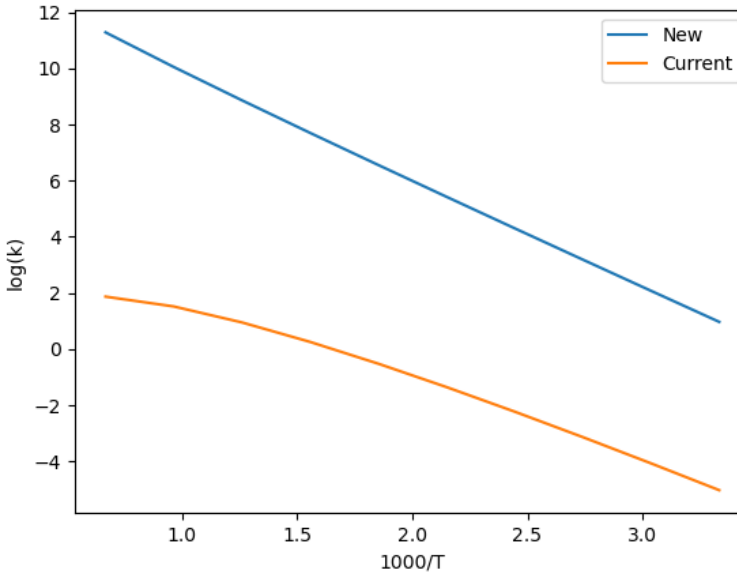


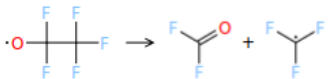
index: 9 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(2.06e+10,'s^-1'), n=1.06, Ea=(16429.5,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(4.08261e+20,'m^3/(mol*s)'), n=-5.07836, w0=(384,'kJ/mol'), E0=(74.9893,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=0.0, var=33.13686319048999, Tref=1000.0, N=1, data_mean=0.0, correlation='Root_N-3R-inRing_N-3R->C_N-1R!H->N_2R!H->O',), comment="""Estimated from node Root_N-3R-inRing_N-3R->C_N-1R!H->N_2R!H->O""")

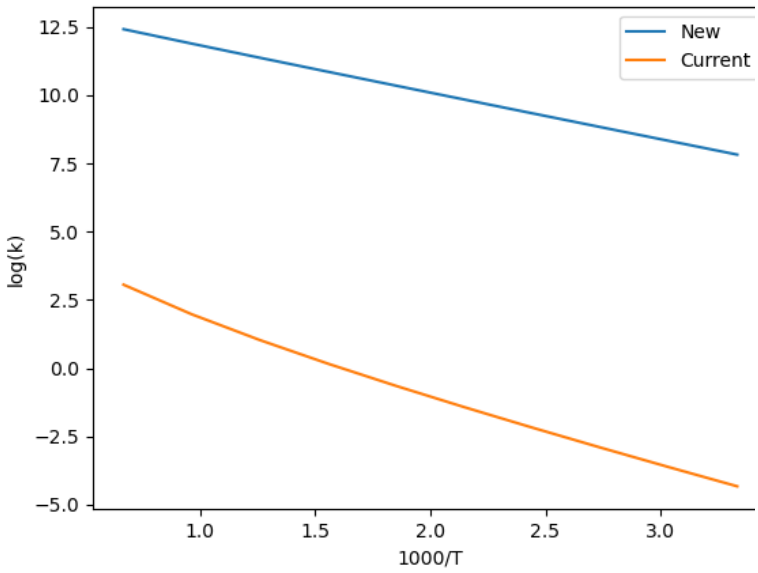


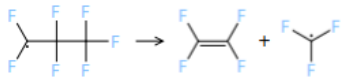
index: 33 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(7.19e+12,'s^-1'), n=0.21, Ea=(7626.53,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(1.4291e-06,'m^3/(mol*s)'), n=3.20779, w0=(393.5,'kJ/mol'), E0=(36.9032,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=0.0, var=33.13686319048999, Tref=1000.0, N=1, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-1R!H-R_N-5R!H-inRing_Ext-1R!H-R_N-2R!H->C_N-5R!H-u1',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-1R!H-R_N-5R!H-inRing_Ext-1R!H-R_N-2R!H->C_N-5R!H-u1""")

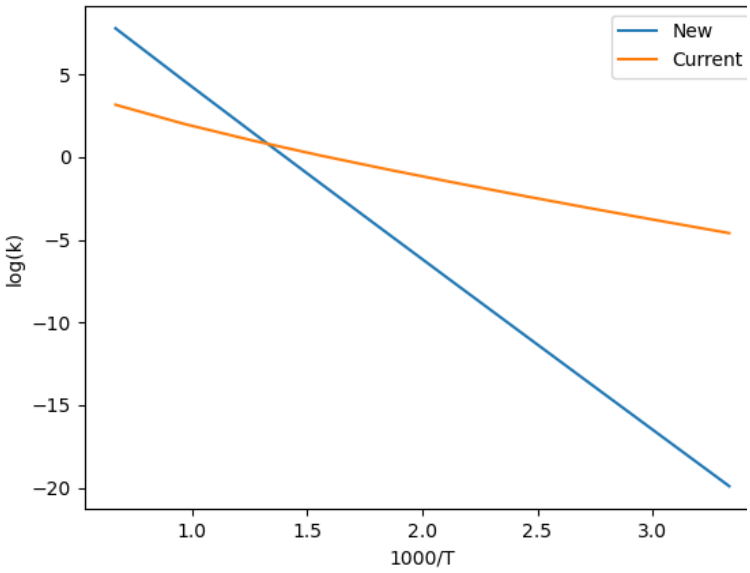


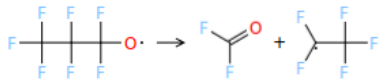
index: 51 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(3.33e+11,'s^-1'), n=0.95, Ea=(46364.6,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(1.89178e-07,'m^3/(mol*s)'), n=3.53001, w0=(303.056,'kJ/mol'), E0=(38.0148,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.4944253016374622, var=1.7828810760479818, Tref=1000.0, N=135, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-1R!H-R_N-5R!H-inRing_Ext-1R!H-R',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-1R!H-R_N-5R!H-inRing_Ext-1R!H-R Multiplied by reaction path degeneracy 2.0""")

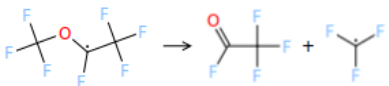


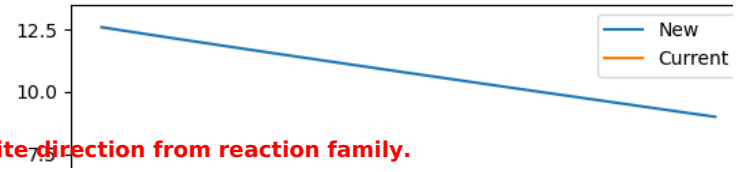
index: 75 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(3.92e+12,'s^-1'), n=0.27, Ea=(5852.35,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(1.22525e-05,'m^3/(mol*s)'), n=2.9005, w0=(393.5,'kJ/mol'), E0=(46.1097,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=0.0, var=33.13686319048999, Tref=1000.0, N=1, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_N-Sp-5R!H=4R!H_Sp-2R!H=1R!H_Ext-4R!H-R_N-2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_N-Sp-5R!H=4R!H_Sp-2R!H=1R!H_Ext-4R!H-R_N-2R!H->C""")

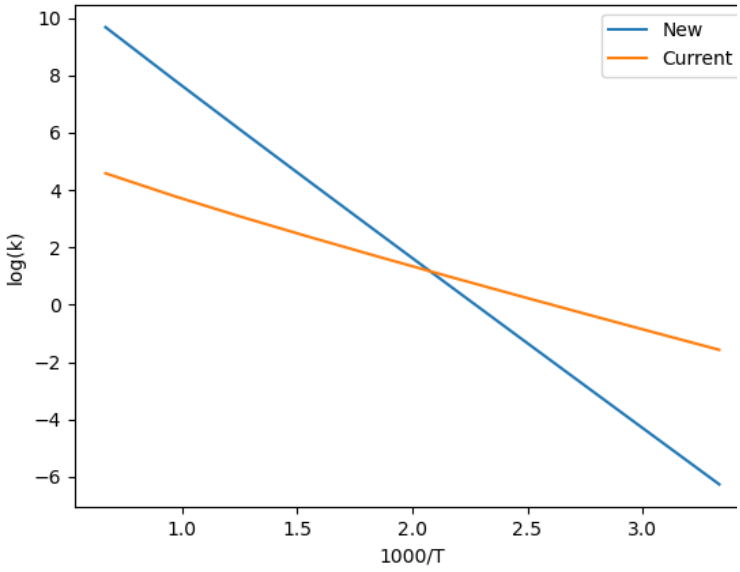
index: 76 

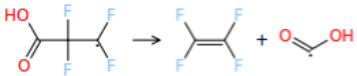


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(3.03e+11,'s^-1'), n=0.65, Ea=(26570.2,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(61.188,'m^3/(mol*s)'), n=1.29312, w0=(297.108,'kJ/mol'), E0=(37.7031,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.2897628049938491 5, var=2.1569028208455543, Tref=1000.0, N=37, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C""")

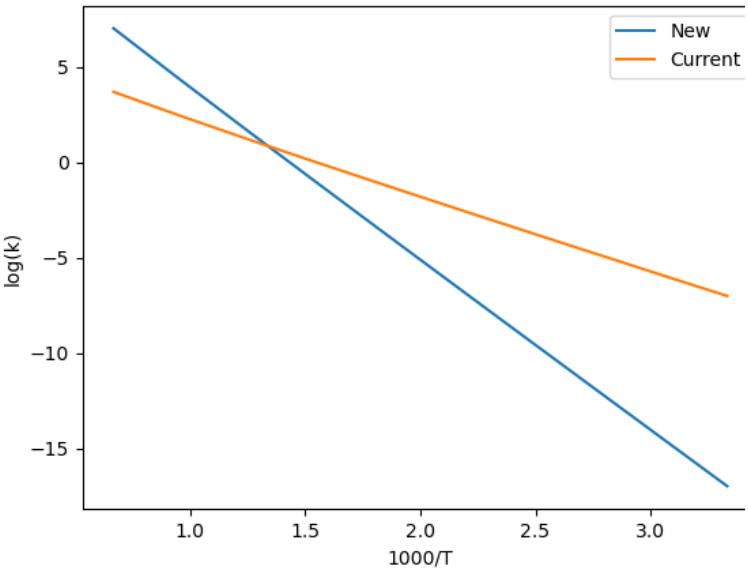


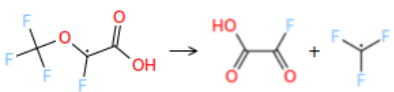
index: 95 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(3.93e+09,'s^-1'), n=1.03, Ea=(39998.5,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(306.062,'m^3/(mol*s)'), n=1.16366, w0=(301.402,'kJ/mol'), E0=(71.0975,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.022037706214473284, var=2.3701416358838845, Tref=1000.0, N=230, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Sp-4R!H=3R_Sp-2R!H=1R!H',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Sp-4R!H=3R_Sp-2R!H=1R!H Multiplied by reaction path degeneracy 2.0""")



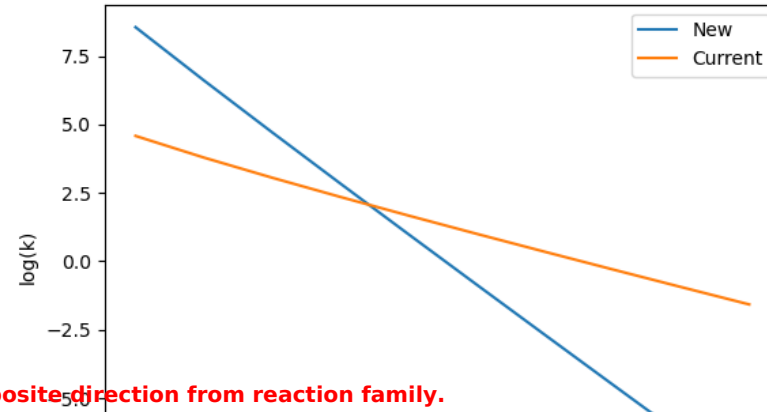
index: 107 

Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(2.03e+09,'s^-1'), n=1.02, Ea=(27425.9,'cal/mol'), T0=(1,'K'))

Current Kinetics

ArrheniusBM(A=(61.188,'m^3/(mol*s)'), n=1.29312, w0=(297.108,'kJ/mol'), E0=(37.7031,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.28976280499384915, var=2.1569028208455543, Tref=1000.0, N=37, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C""")



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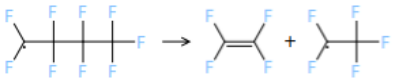
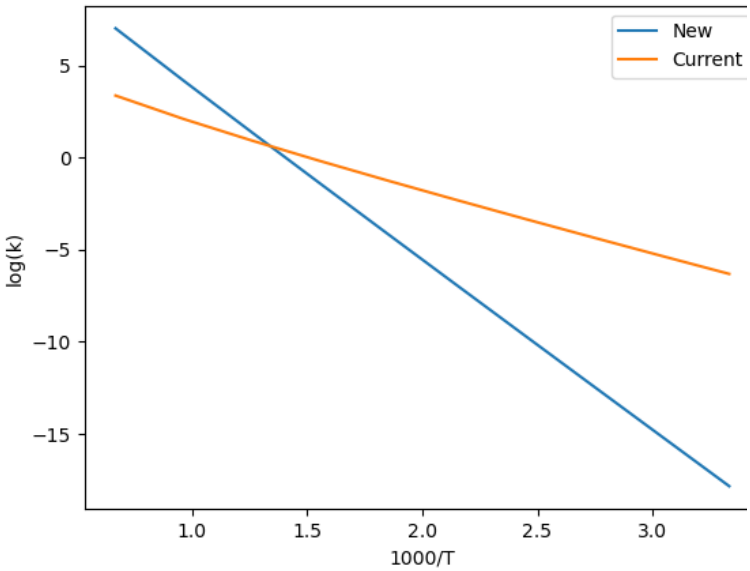


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(6.27e+09,'s^-1'), n=1.02, Ea=(41399.2,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(0.00504,'m^3/(mol*s)'), n=2.41, w0=(301,'kJ/mol'), E0=(57.3723,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=0.0, var=33.13686319048999, Tref=1000.0, N=1, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_N-Sp-5R!H=4R!H_Sp-2R!H=1R!H_Ext-4R!H-R_2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_N-Sp-5R!H=4R!H_Sp-2R!H=1R!H_Ext-4R!H-R_2R!H->C Multiplied by reaction path degeneracy 2.0""")



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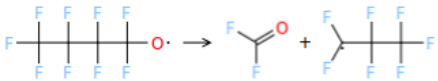
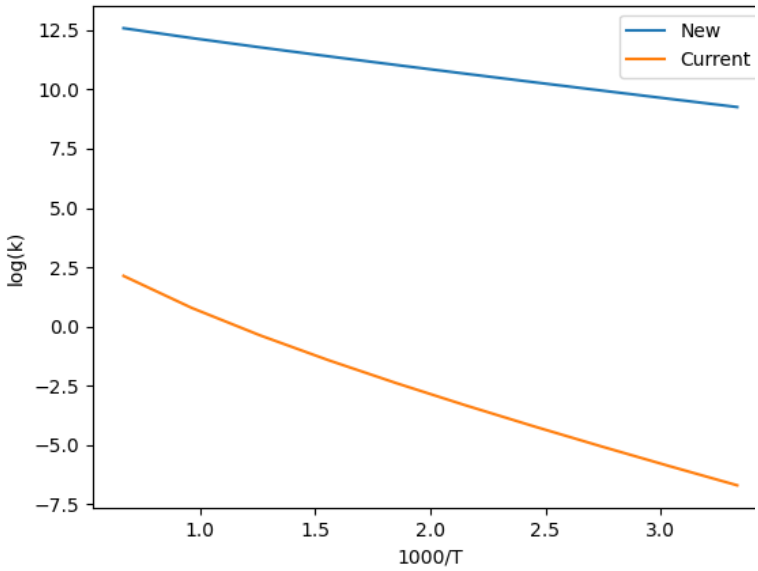


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(3.71e+11,'s^-1'), n=0.55, Ea=(5045.12,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(2.13223e-11,'m^3/(mol*s)'), n=4.48095, w0=(299.5,'kJ/mol'), E0=(40.9045,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.6004730311185978, var=1.5705211473983438, Tref=1000.0, N=276, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_Ext-3R-R_Ext-1R!H-R_N-8R!H-inRing',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_Ext-3R-R_Ext-1R!H-R_N-8R!H-inRing""")



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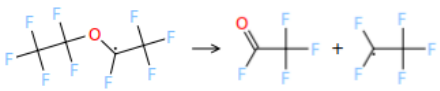
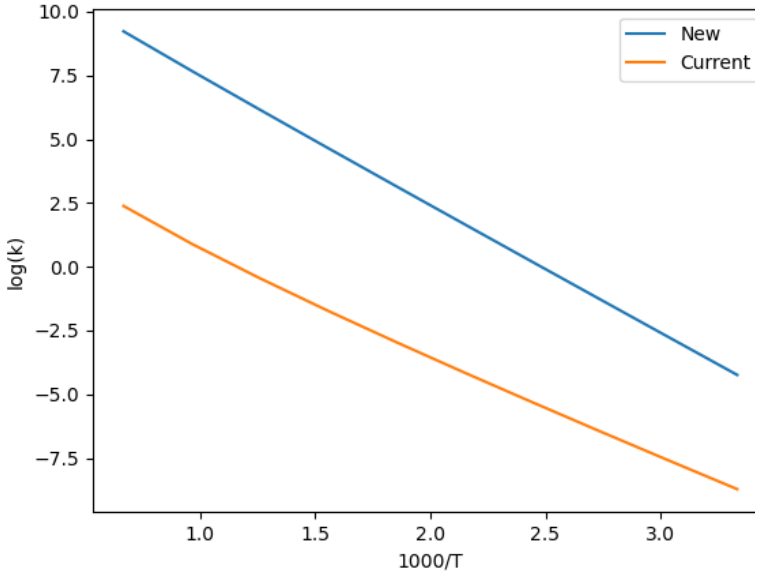


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(2.59e+10,'s^-1'), n=0.65, Ea=(22327.4,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(9.07578e-06,'m^3/(mol*s)'), n=3.04336, w0=(299.503,'kJ/mol'), E0=(64.4187,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.3757377757886876, var=2.242054186761003, Tref=1000.0, N=1042, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R""")



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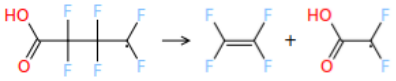
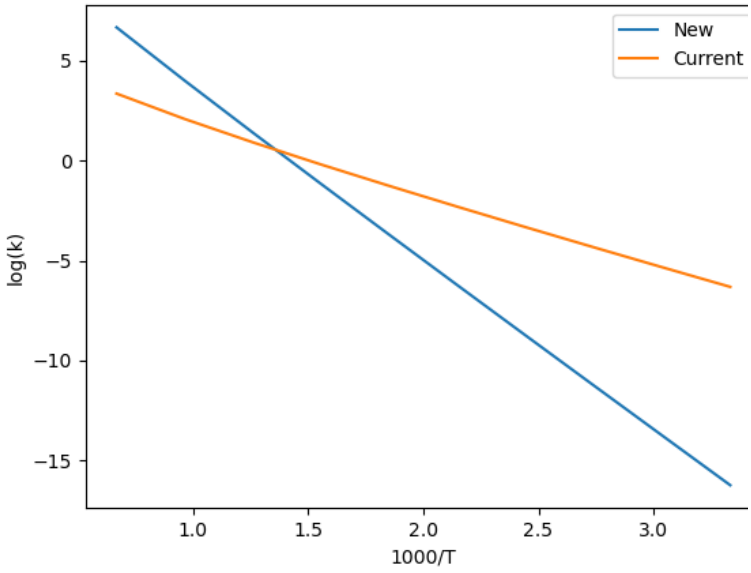


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(2.78e+07,'s^-1'), n=1.48, Ea=(37548.5,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(0.00504,'m^3/(mol*s)'), n=2.41, w0=(301,'kJ/mol'), E0=(57.3723,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=0.0, var=33.13686319048999, Tref=1000.0, N=1, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_N-Sp-5R!H=4R!H_Sp-2R!H=1R!H_Ext-4R!H-R_2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_N-Sp-5R!H=4R!H_Sp-2R!H=1R!H_Ext-4R!H-R_2R!H->C Multiplied by reaction path degeneracy 2.0""")



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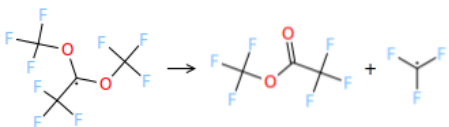
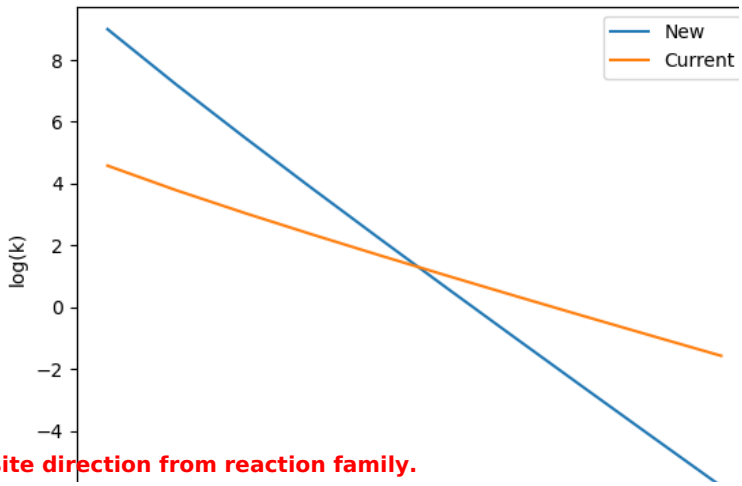


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(1.59e+07,'s^-1'), n=1.64, Ea=(23421.2,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(61.188,'m^3/(mol*s)'), n=1.29312, w0=(297.108,'kJ/mol'), E0=(37.7031,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.28976280499384915, var=2.1569028208455543, Tref=1000.0, N=37, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C""")



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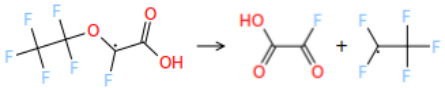
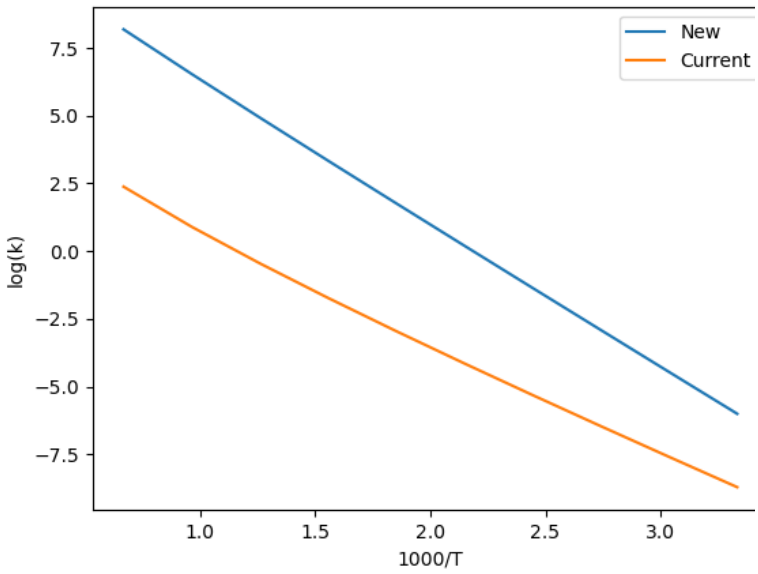


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(6.21e+08,'s^-1'), n=0.88, Ea=(23310.1,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(9.07578e-06,'m^3/(mol*s)'), n=3.04336, w0=(299.503,'kJ/mol'), E0=(64.4187,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.3757377757886876, var=2.242054186761003, Tref=1000.0, N=1042, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R""")



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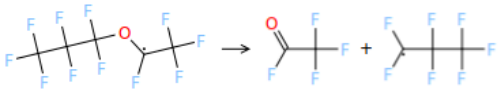
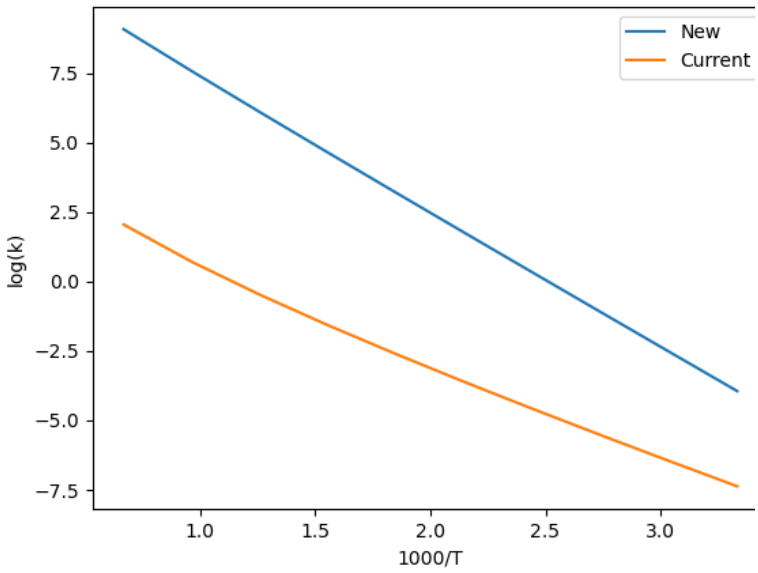


Note: Training reaction written in opposite direction from reaction family.

New Kinetics:
Arrhenius(A=(6.62e+09,'s^-1'), n=0.75, Ea=(21448.5,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(2.06973e-08,'m^3/(mol*s)'), n=3.60774, w0=(299.574,'kJ/mol'), E0=(49.539,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.5239778944948545, var=2.087050032983542, Tref=1000.0, N=387, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_Ext-3R-R',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_Ext-3R-R""")



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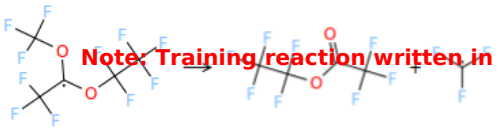
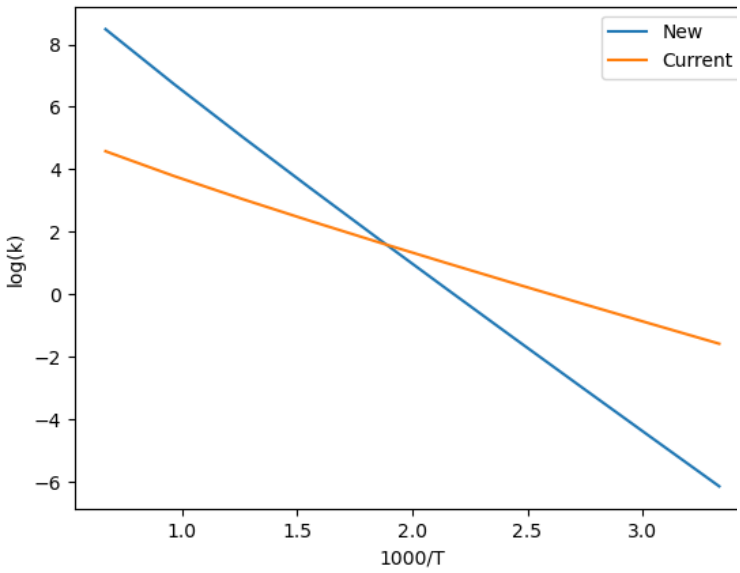


Note: Training reaction written in opposite direction from reaction family.



New Kinetics:
Arrhenius(A=(1.2e+07,'s^-1'), n=1.51, Ea=(23274.4,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(61.188,'m^3/(mol*s)'), n=1.29312, w0=(297.108,'kJ/mol'), E0=(37.7031,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.28976280499384915, var=2.1569028208455543, Tref=1000.0, N=37, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_N-Sp-4R!H=3R_3R->C_Ext-3C-R_2R!H->C""")

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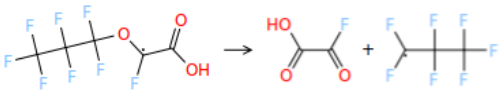
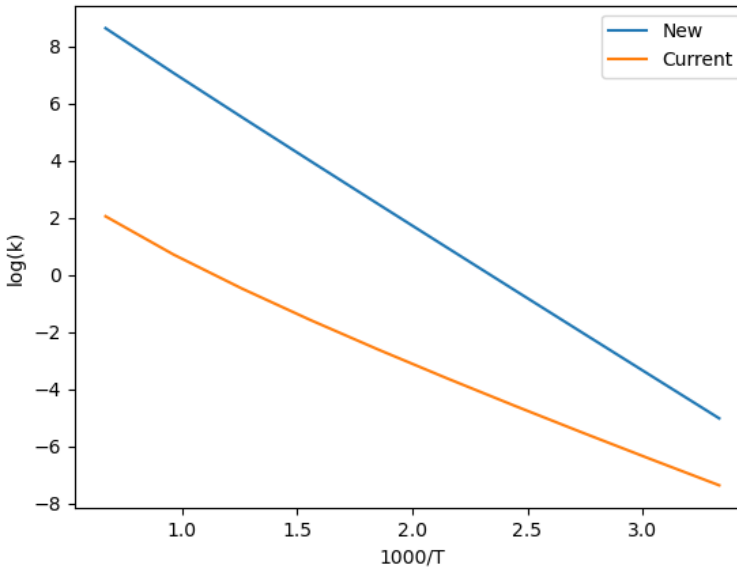


Note: Training reaction written in opposite direction from reaction family.



New Kinetics:
Arrhenius(A=(6.96e+09,'s^-1'), n=0.66, Ea=(22657.3,'cal/mol'), T0=(1,'K'))

Current Kinetics
ArrheniusBM(A=(2.06973e-08,'m^3/(mol*s)'), n=3.60774, w0=(299.574,'kJ/mol'), E0=(49.539,'kJ/mol'), Tmin=(300,'K'), Tmax=(2000,'K'), uncertainty=RateUncertainty(mu=-0.5239778944948545, var=2.087050032983542, Tref=1000.0, N=387, data_mean=0.0, correlation='Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_Ext-3R-R',), comment="""Estimated from node Root_N-3R-inRing_Ext-3R-R_Ext-4R!H-R_Ext-3R-R_Ext-3R-R""")