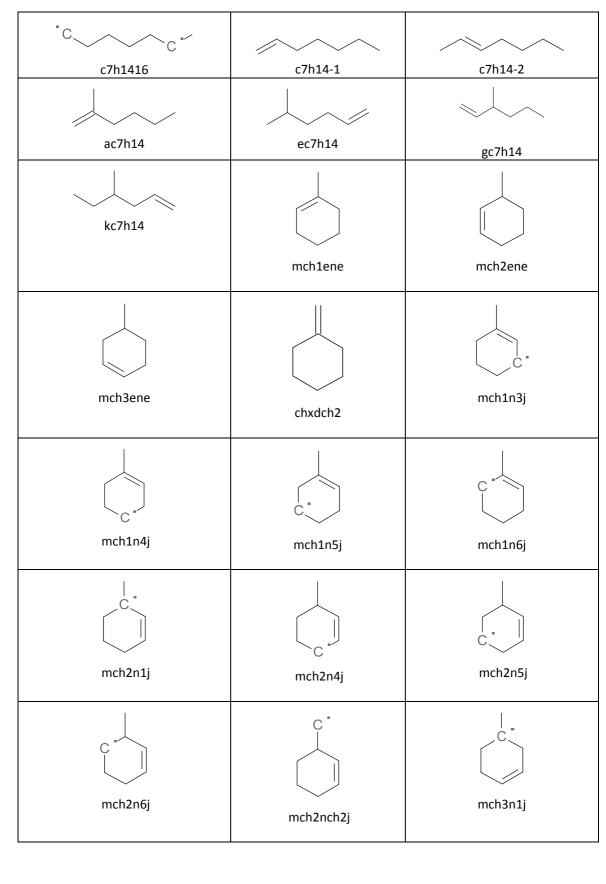
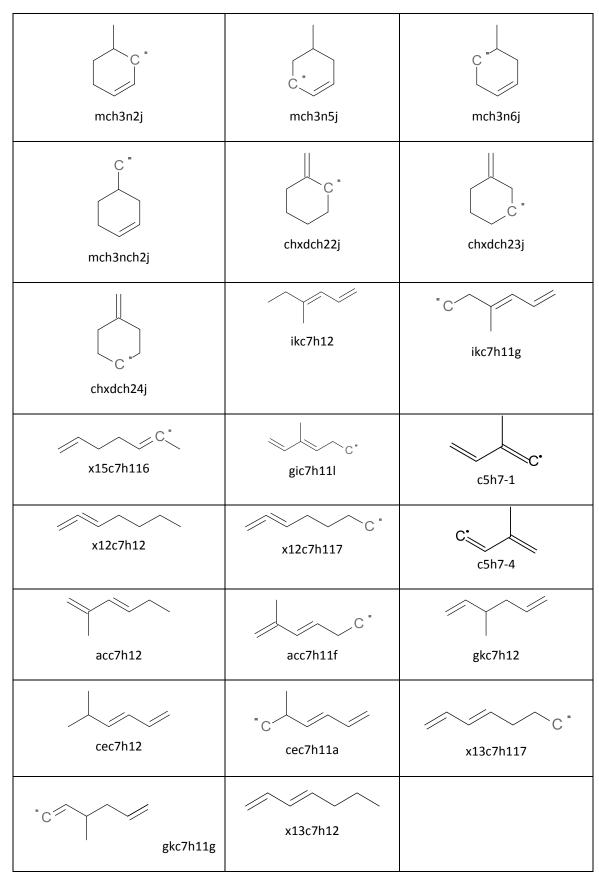
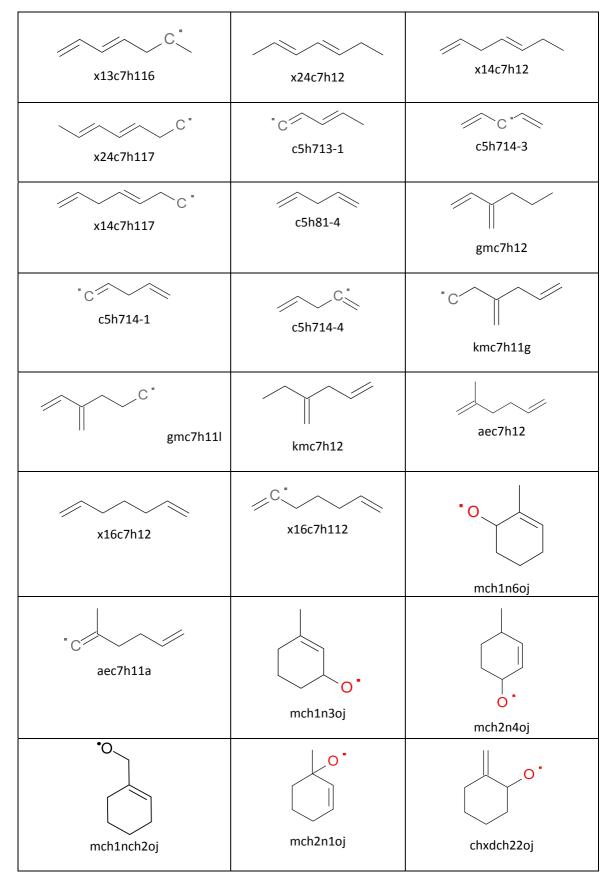
MCH species dictionary

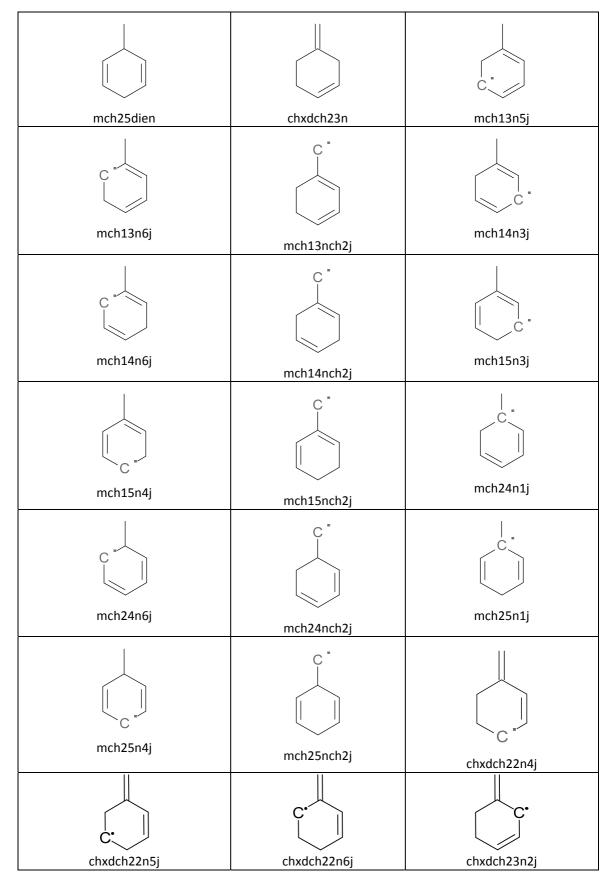
mch	C C mchr1	mchr2
mchr3	C mchr4	cychexch2
c7h14gl	c7h14af	c7h1416
C " chxrad	ac7h13f	gc7h13l
c7h132-7	c7h131-6	*C kc7h13g
C* ec7h13a	c7h131-7	ac7h13c
gc7h13i	C " kc7h13j	ec7h13d





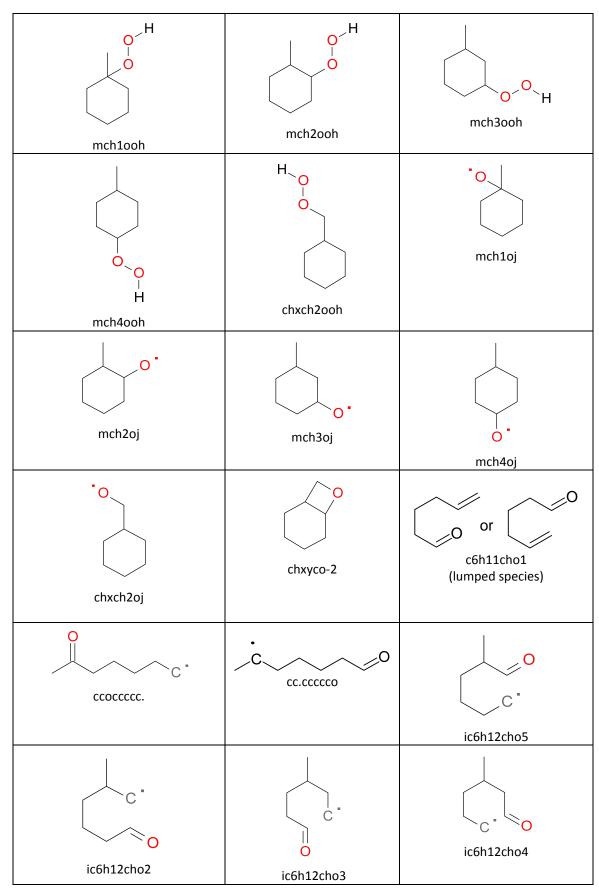


mch3n2oj	mch3n5oj	C• Dc6h11cho-a
O C° hc6h11cho-gl		C* OH mch1ch2oh6j
o c. bc6h10cho-af	OH oh	O H hx13n3ch2oh
C H hx13n3ch2oh6j	bt13n2ch2oh	bt13n2ch2oh1j
x135c6h73oj	H x135c6h73oh	
C· H		mch13dien
mch14dien	mch15dien	mch24dien
mcn14alen	mcn15dien	mcn24alen



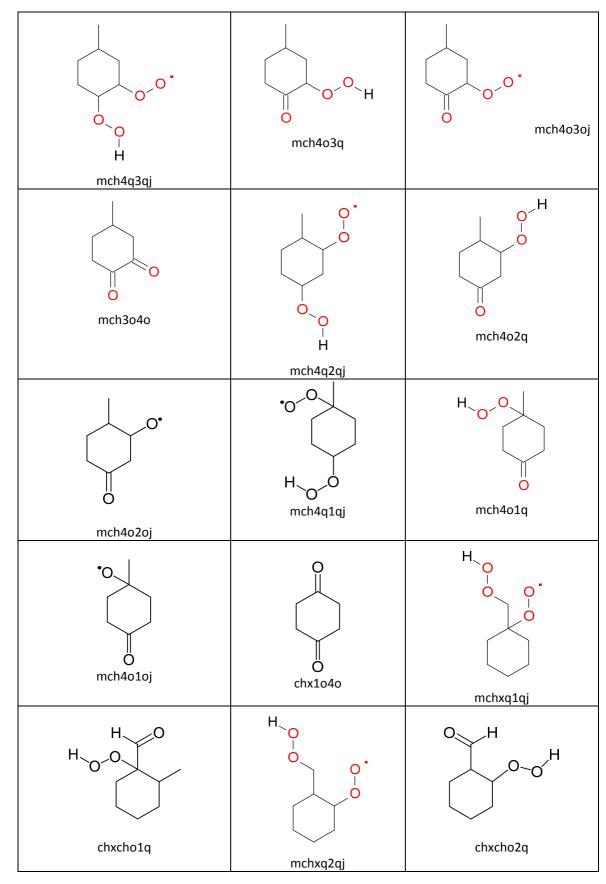
chxdch23n6j	
!	mch1oo
mch3oo	mch100
mch1qx	H O-O mch1qj2
H O-O mch1qj4	mch1qx
mch2qj1	H O H
	mch1qx H C mch1qj4

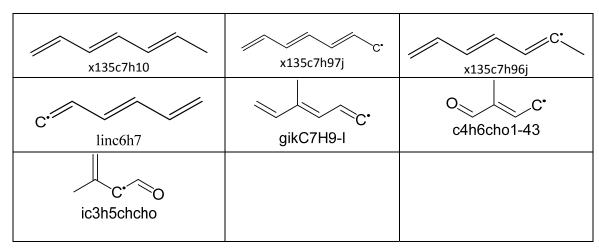
mch2qj5	mch2qj6	C " O H mch3qj2
C O H mch3qj5	C O H mch3qj1	C O H mch3qj6
C " O O H mch4qj3	C THE MICHAEL THE	O H mch4qj1
C" chxj1ch2q	Chxj2ch2q	mchyo23
mcho (lumped species from mch1o, mch2o, mch3o)	mchyo24	mchyo25



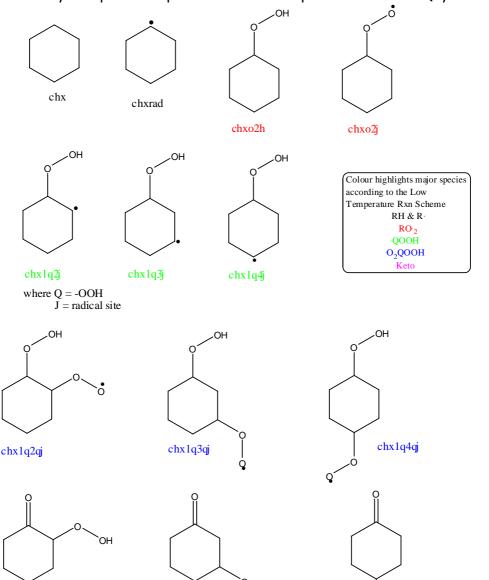
		C
mchje	mchde	mchjde
c*ccc*cc.c	C.c.e*cccco	O H mch2q3qj
O H mch2o3q	O mch2o3oj	0 mch2o3o
O H mch2q1qj	mch2o1q	mch2o1oj
chx1o2o	O° H O H mch2qxqj	H O O mch2oxq
mch2oxoj	O H O mch2q4qj	O H mch2o4q

o mch2o4oj	mch2o4o	H O mch2q5qj
H mch2o5q	mch2o5oj	mch2o5o
C* C7h11j46*o	O H mch3q2qj	mch3o2q
mch3o2oj	O H mch3q5qj	Mch3o5q
mch3o5oj	O mch3o5o	H mch3q1qj
H O mch3o1q	mch3o1oj	chx1o3o





Species Glossary of Species Important at Low Temperature for CHX (Cyclohexane)



Naming Conventions

ÓН

chx1*o4q

chx = cyclohexane structure q = OOH structure q = al = carbonyl group

j = radical site

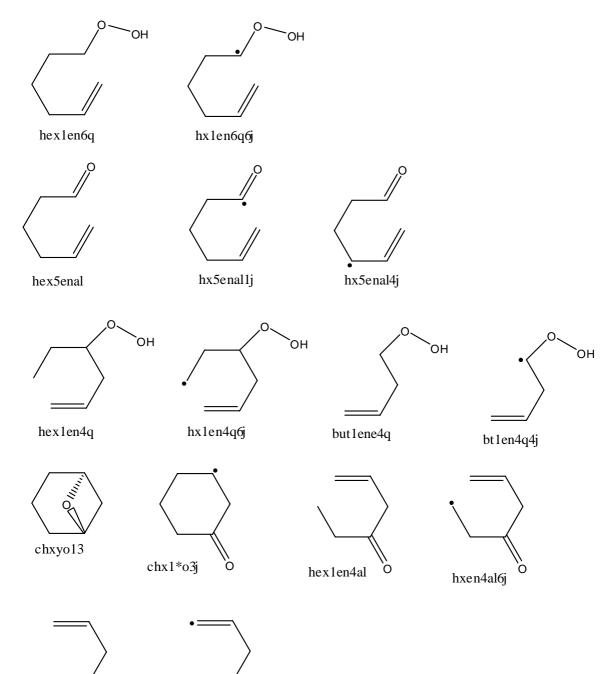
yoij = oxygen containing ring connected on the i and j carbon

chx1*o3q

chx1*o2q

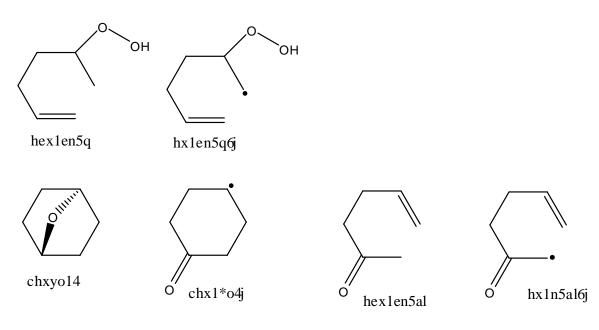
bt or but = n-butane structure dial = di-aldehyde species specifically -C=O group ol = alcohol group pro = propane structureSpecies_glos_all.doc

QOOH decomposition routes: The structure and naming of new species formed via these channels

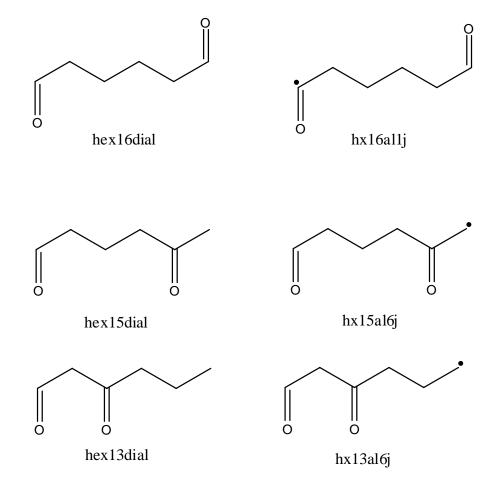


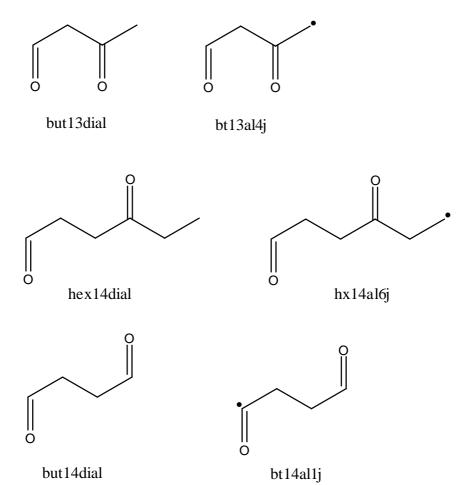
ac3h4cho1

ac3h5c*o4



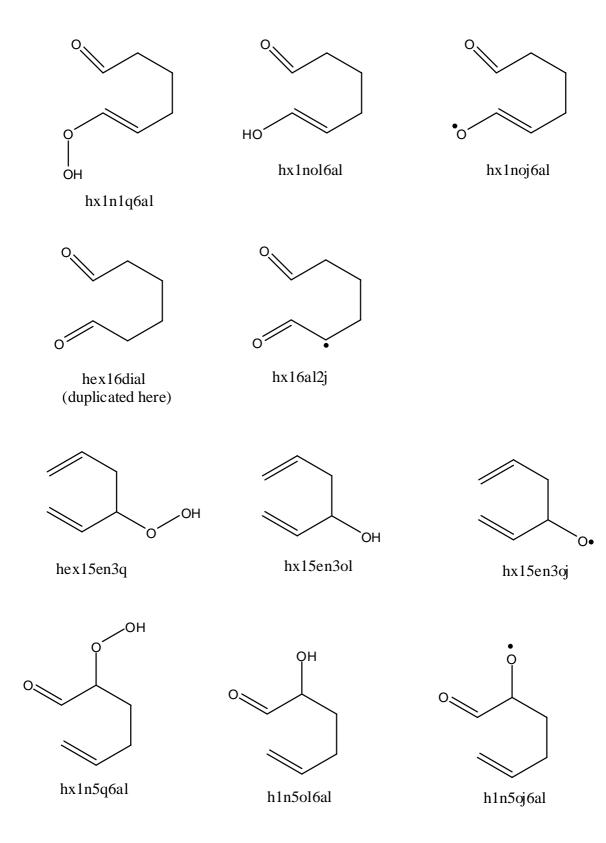
Decomposition of Ketohydroperoxides:
The structure and naming of new species formed via these channels

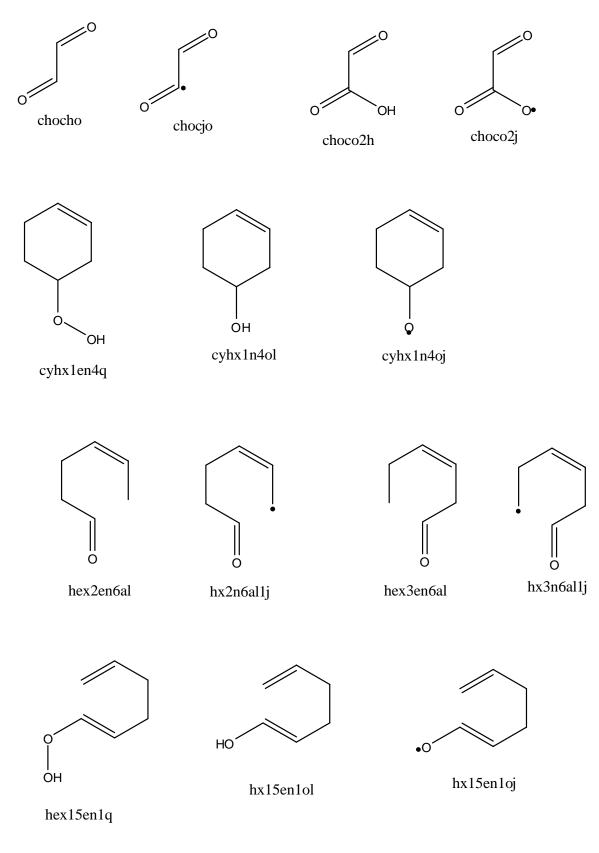


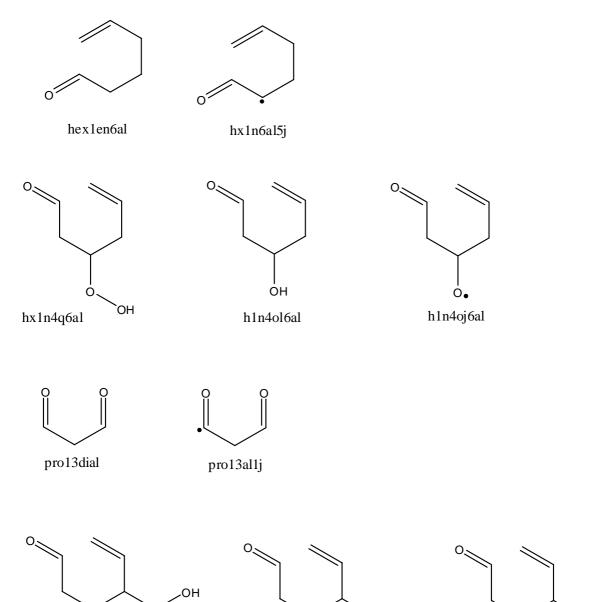


O₂QOOH Alternatives: Structure and naming of new species formed via this channel

$\label{eq:composition} Decomposition of ~O_2QOOH~Alternatives: \\ Structure~and~naming~of~new~species~formed~via~these~channels$







`OH

h1n3ol6al

hx1n3q6al

0.

h1n3oj6al