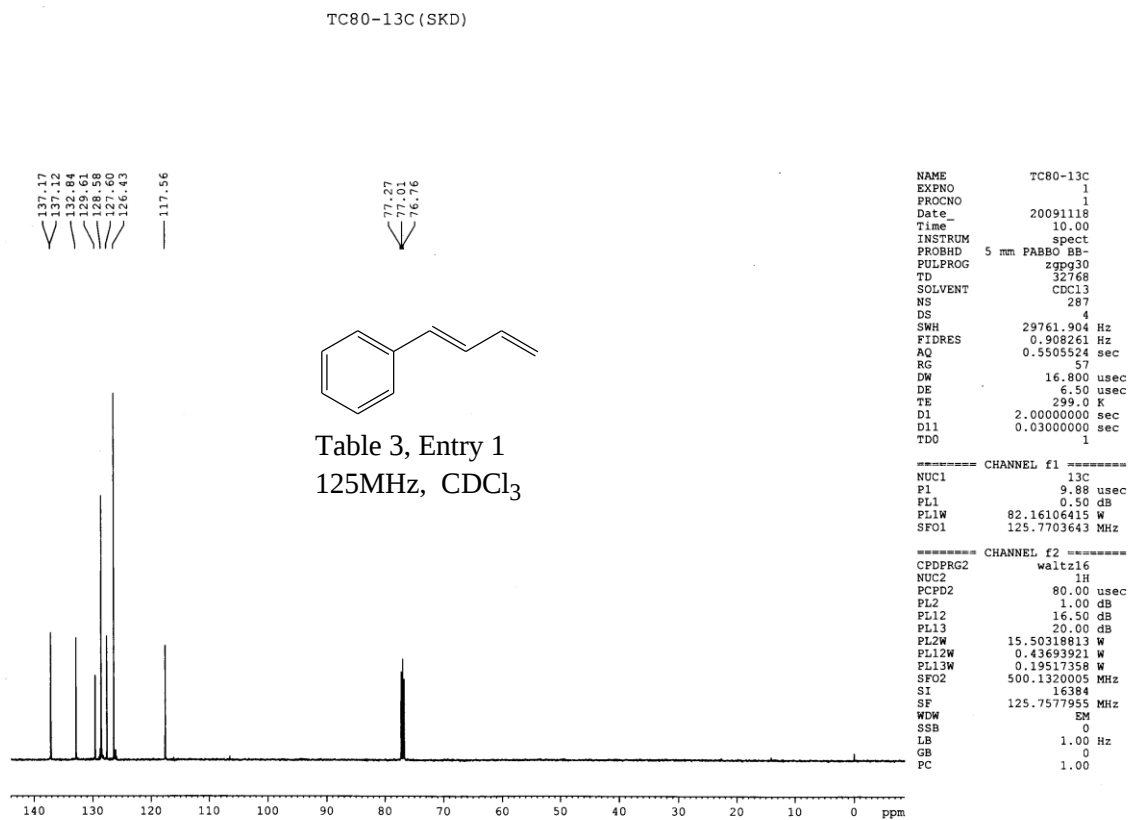
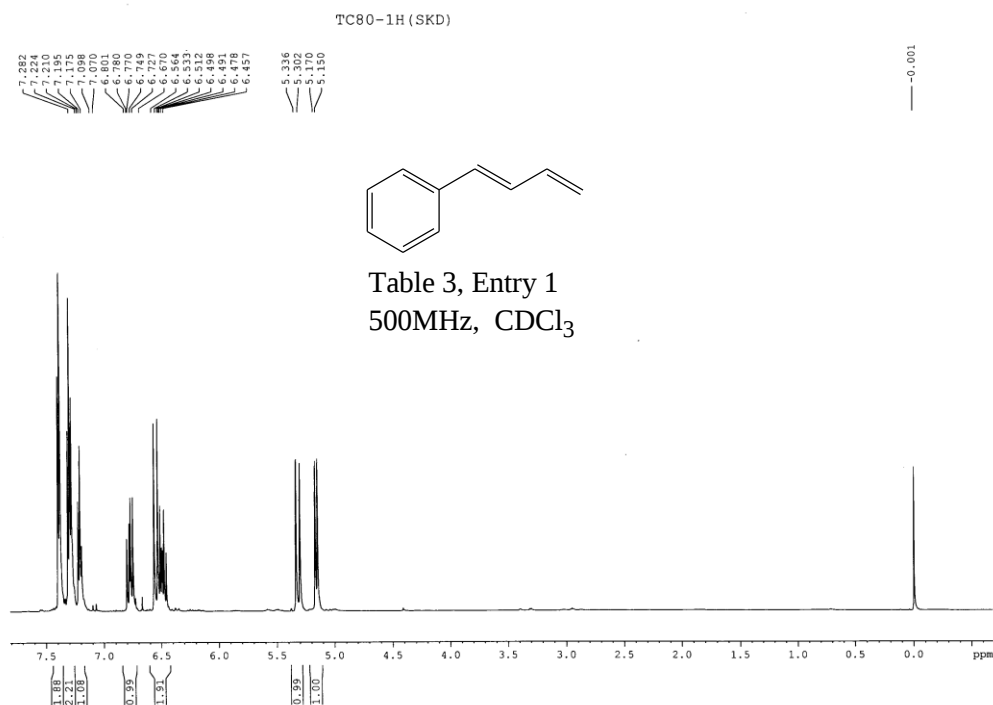


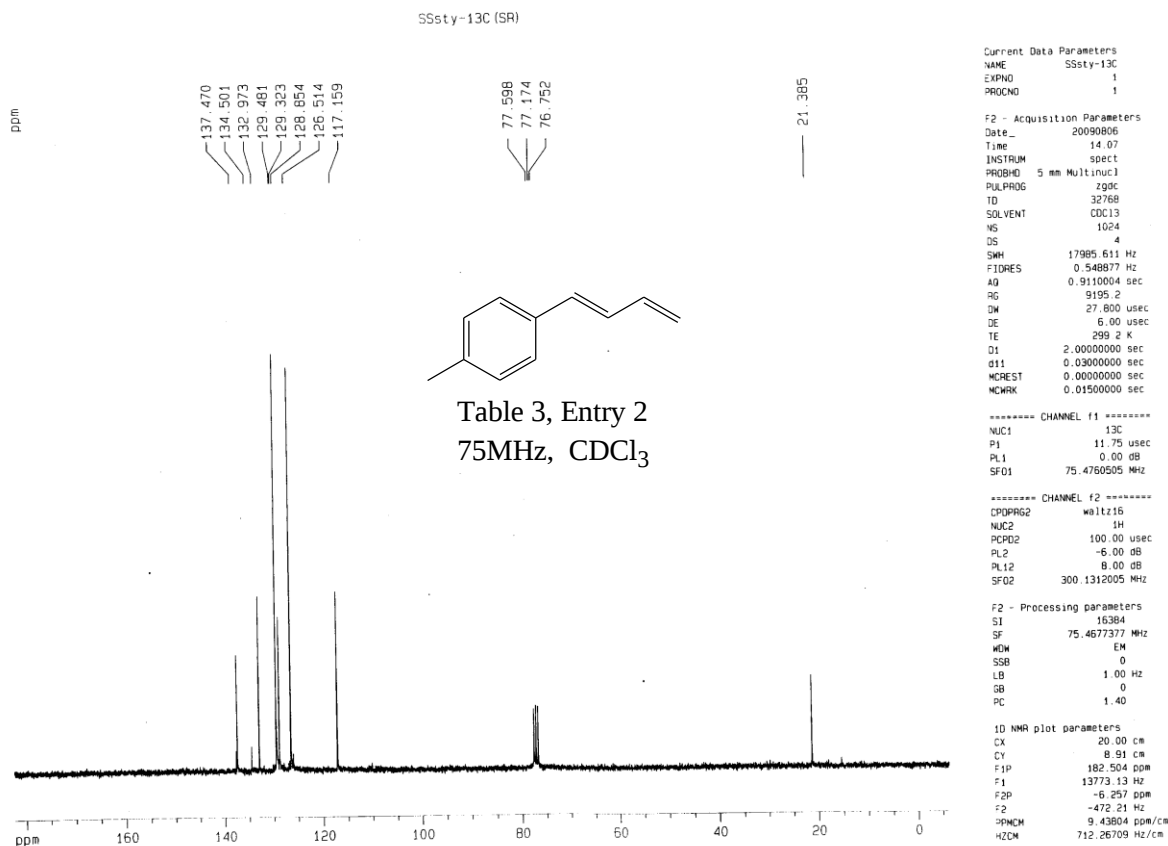
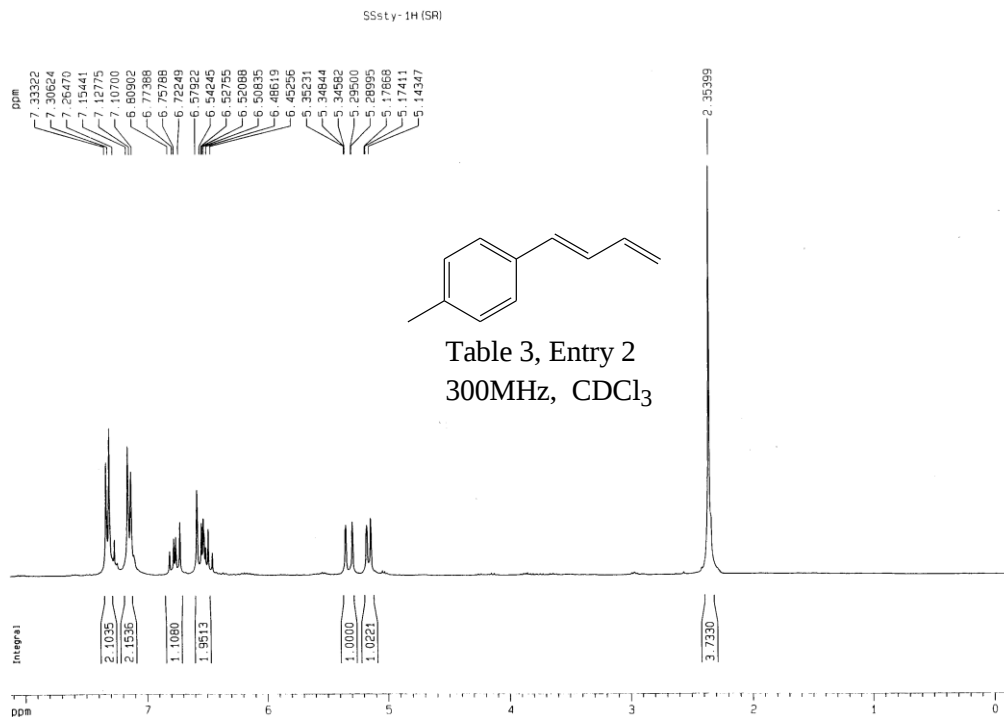
Supplementary material

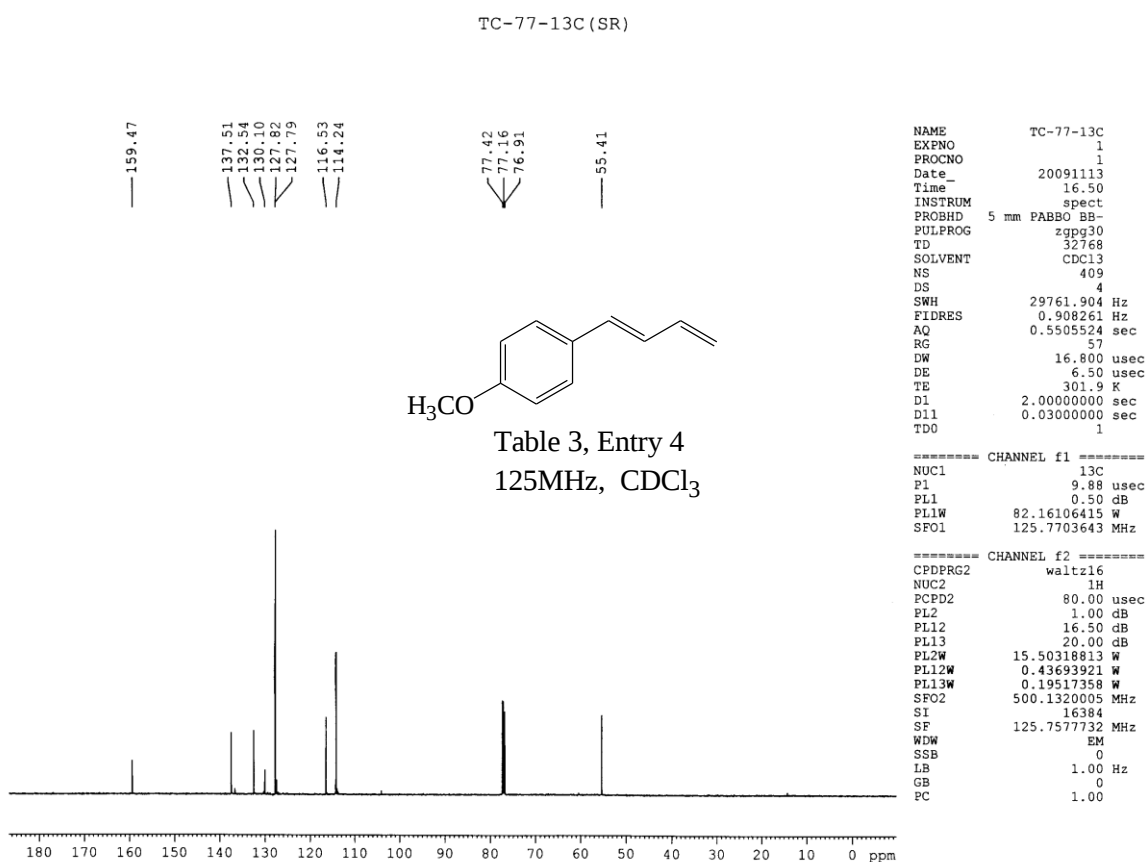
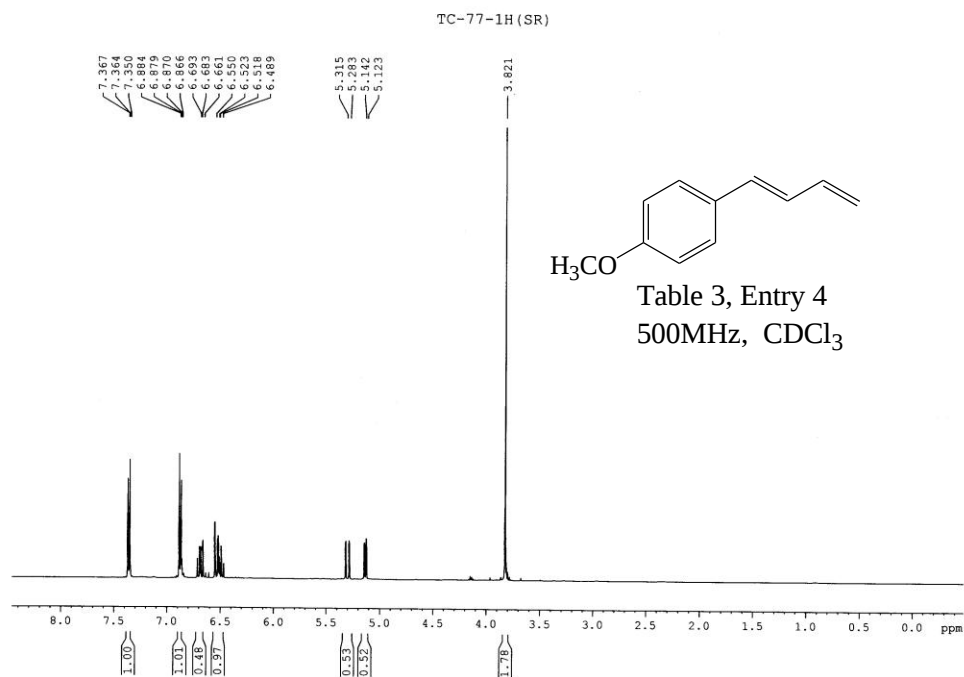
An easy access to styrenes, *trans* aryl 1, 3-, 1, 4-, 1, 5-dienes and 1, 3, 5-trienes by Hiyama cross coupling catalyzed by palladium nanoparticles

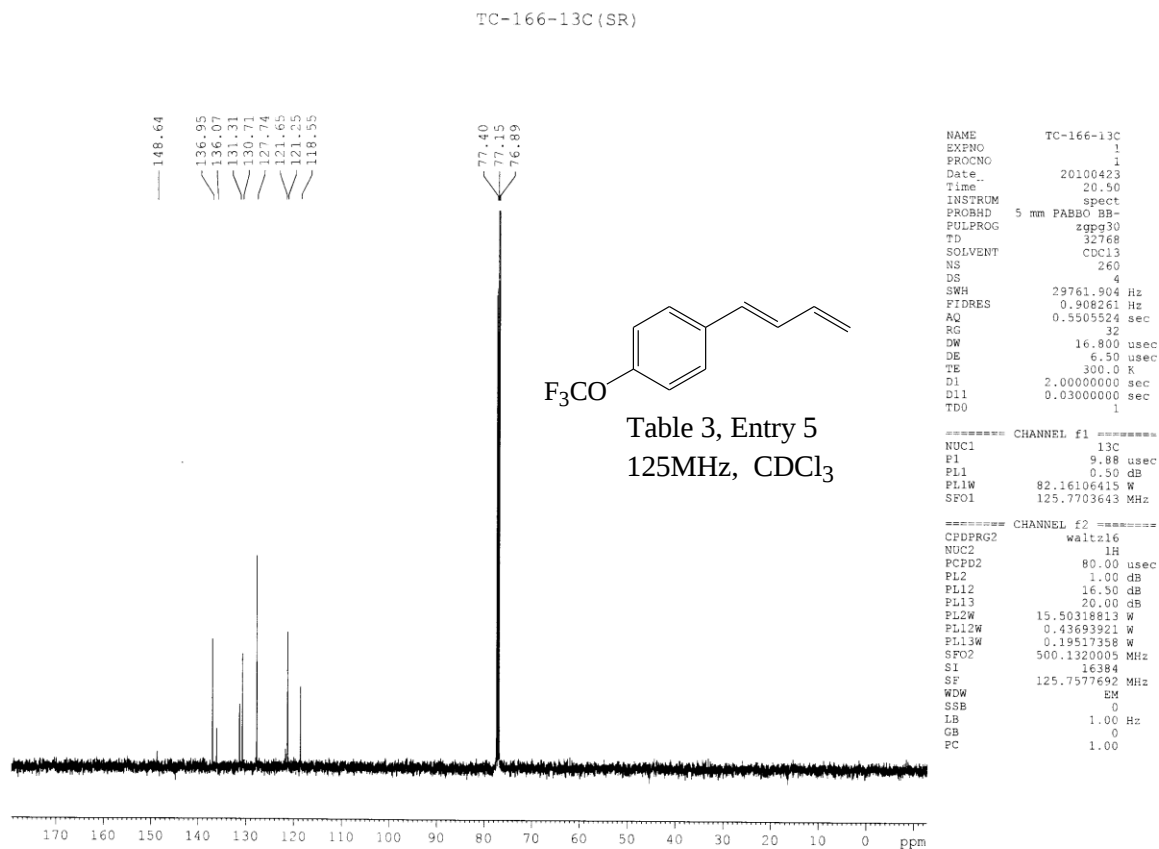
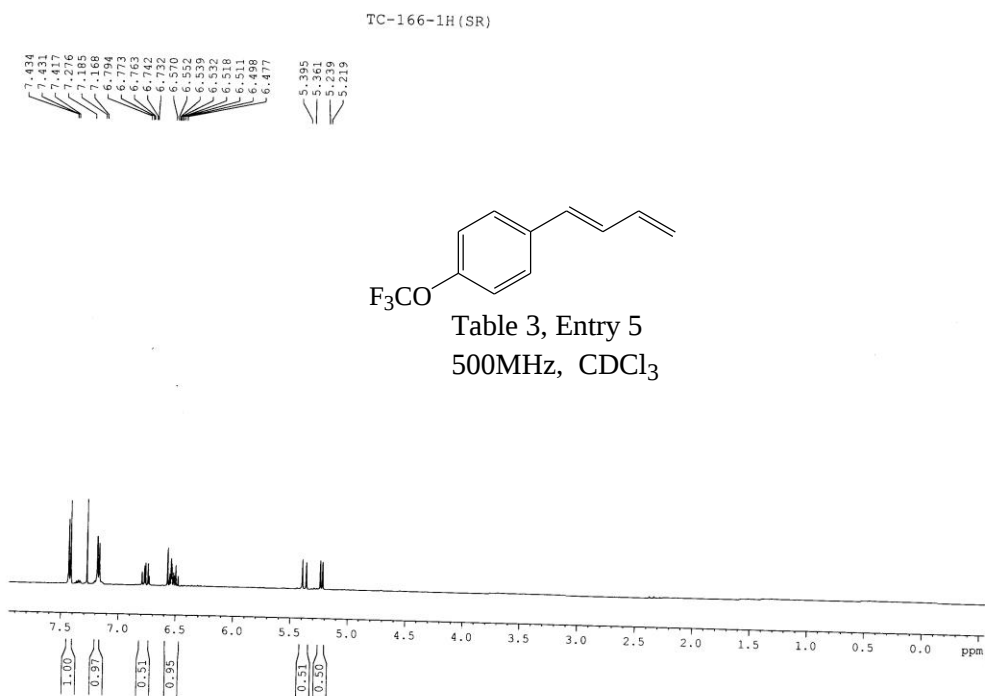
Tanmay Chatterjee, Raju Dey and Brindaban C. Ranu

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Copies of NMR Spectra in Table 5	18-20
Copies of NMR Spectra in Table 6	21-23









TC151-1H (SKD)

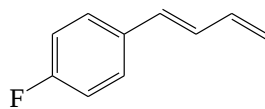
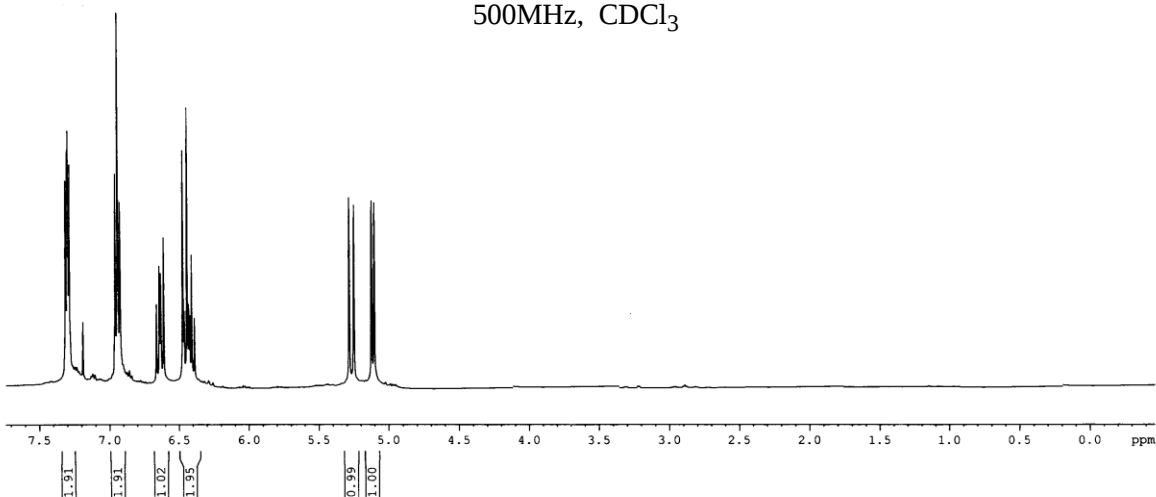


Table 3, Entry 6
500MHz, CDCl₃



TC151-13C (SKD)

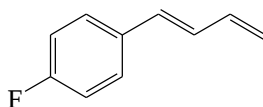
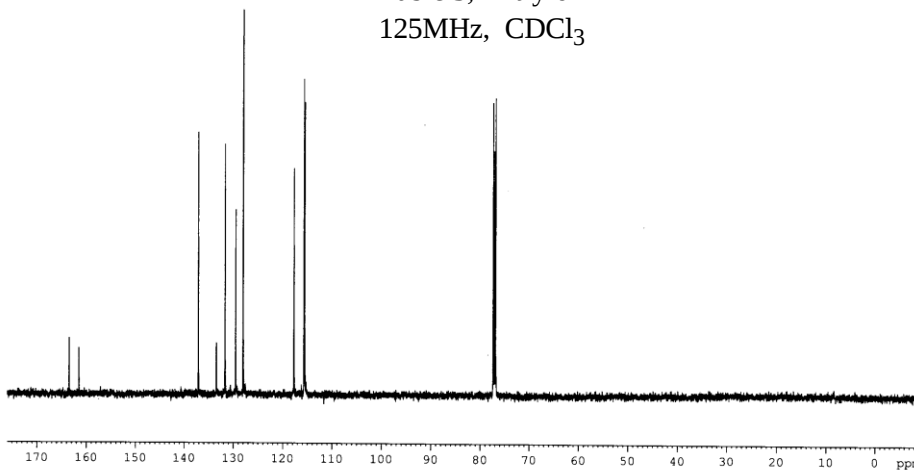


Table 3, Entry 6
125MHz, CDCl₃

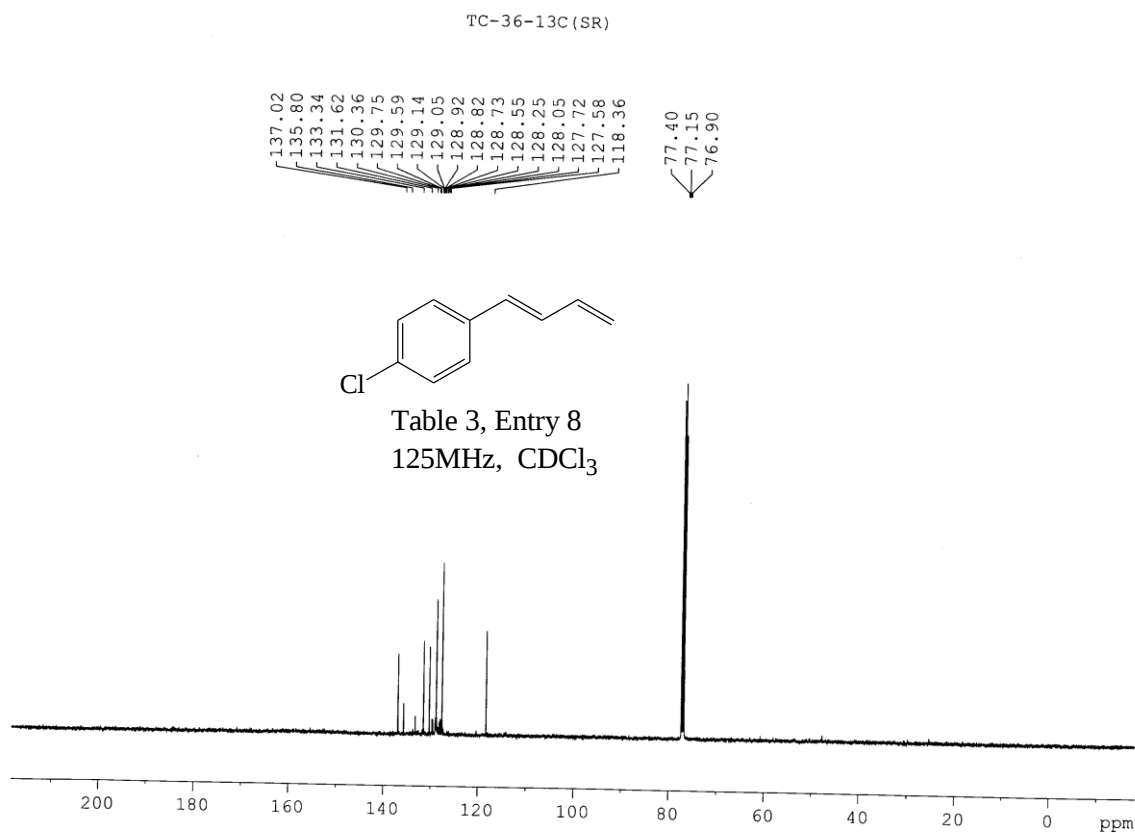
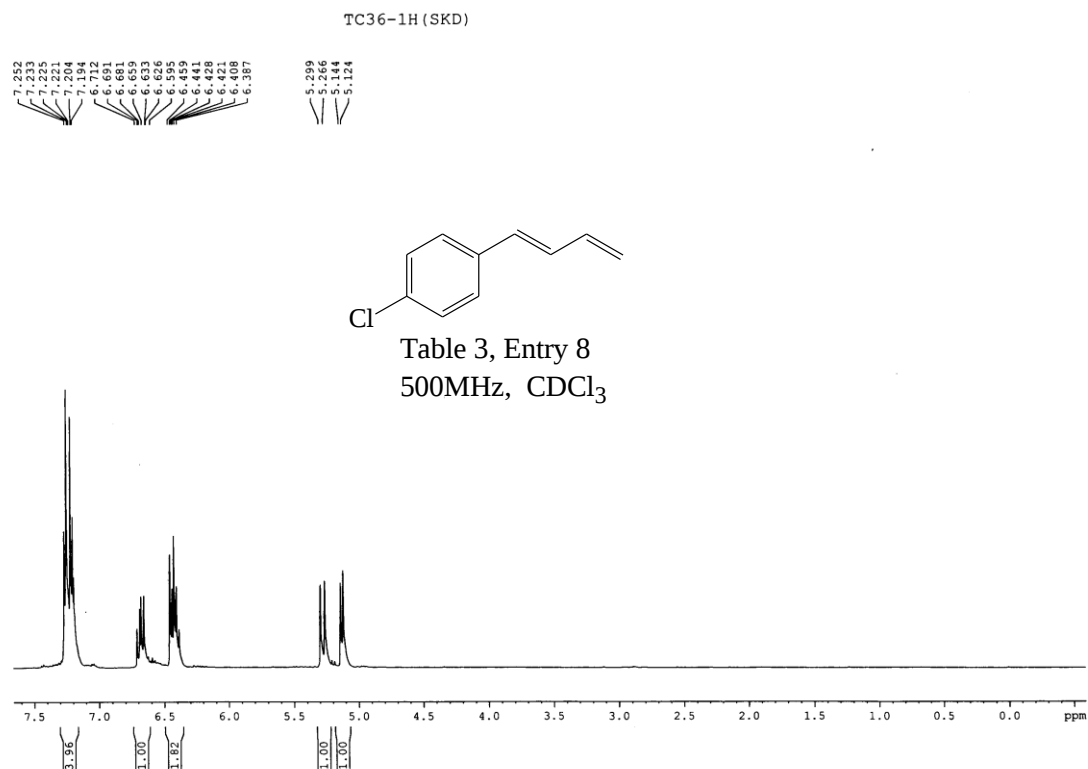


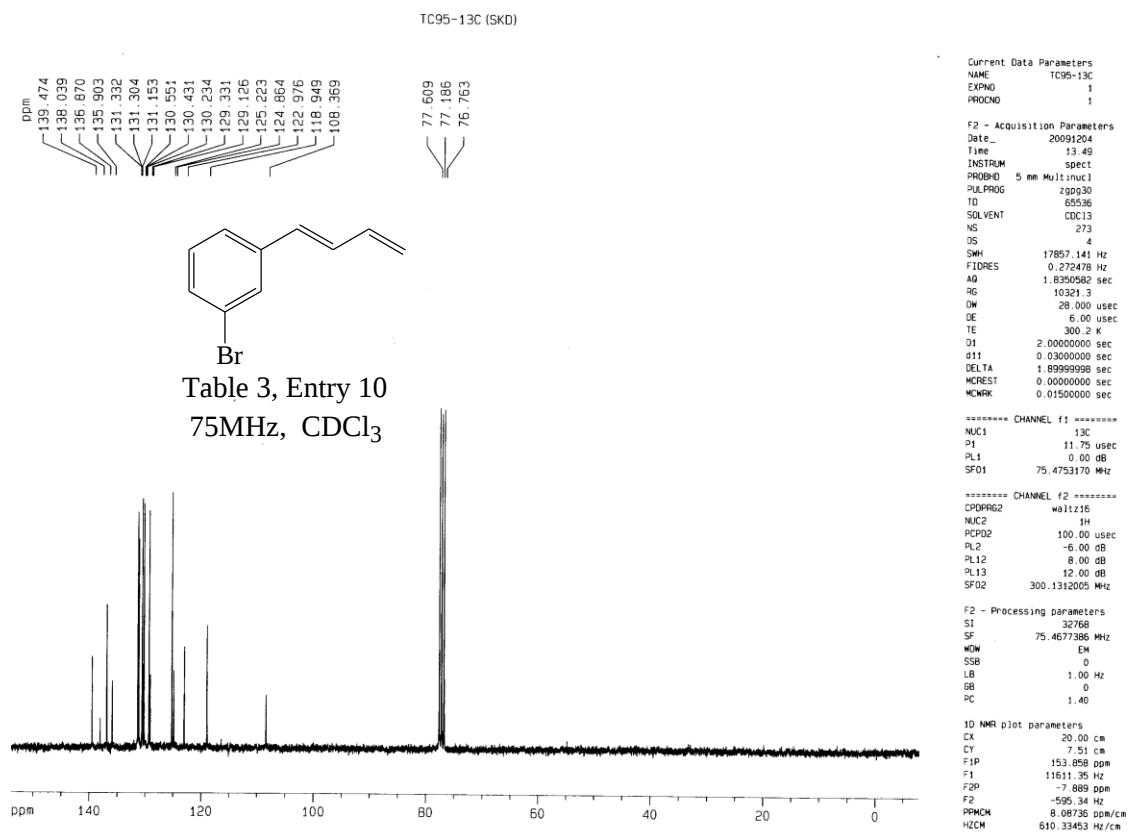
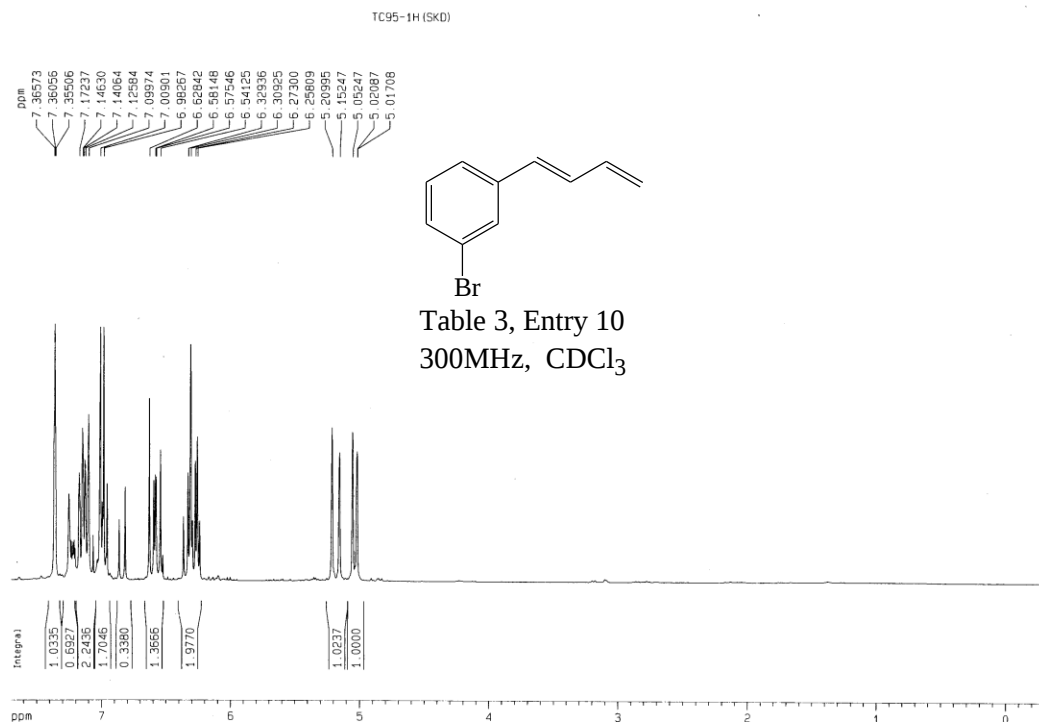
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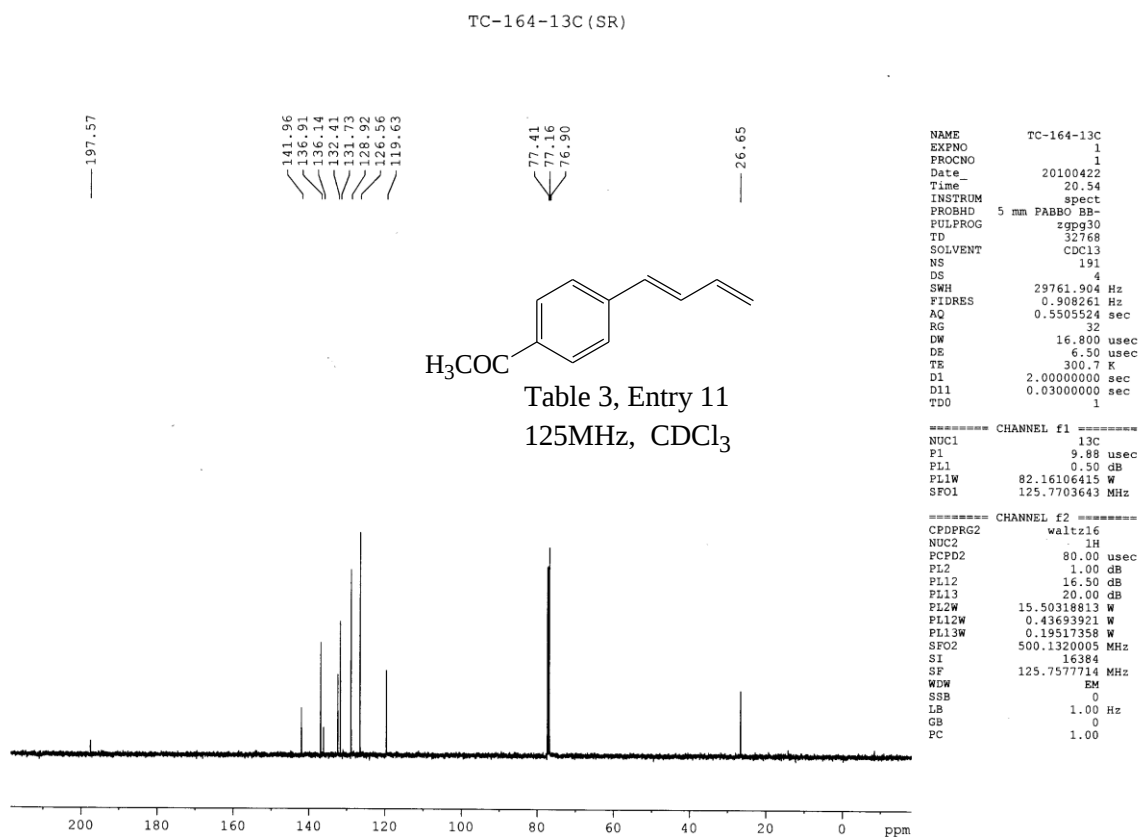
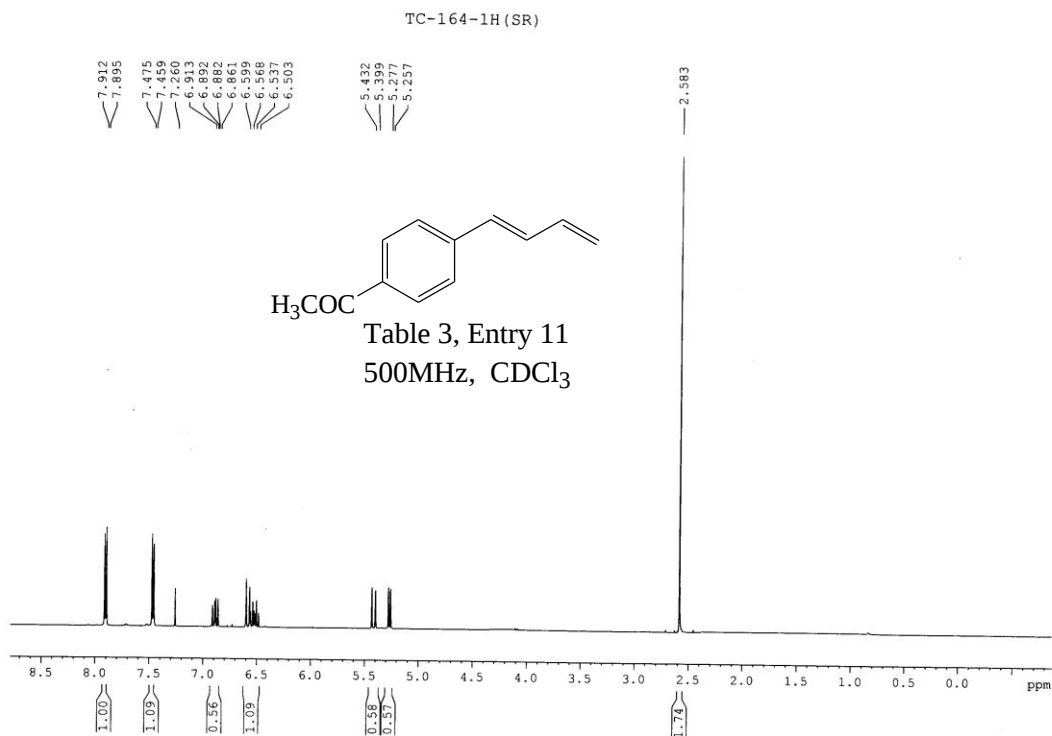
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EXPNO         1
PROCNO        1
Date_         20100409
Time          14.32
INSTRUM       spect
PROBHD        5 mm PABBO BB-
PULPROG       zgpg30
TD            32768
SOLVENT       CDCl3
NS            272
DS            4
SWH           29761.904 Hz
FIDRES        0.908261 Hz
AQ            0.5505524 sec
RG            32
DW            16.800 usec
DE            6.50 usec
TE            299.9 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0           1

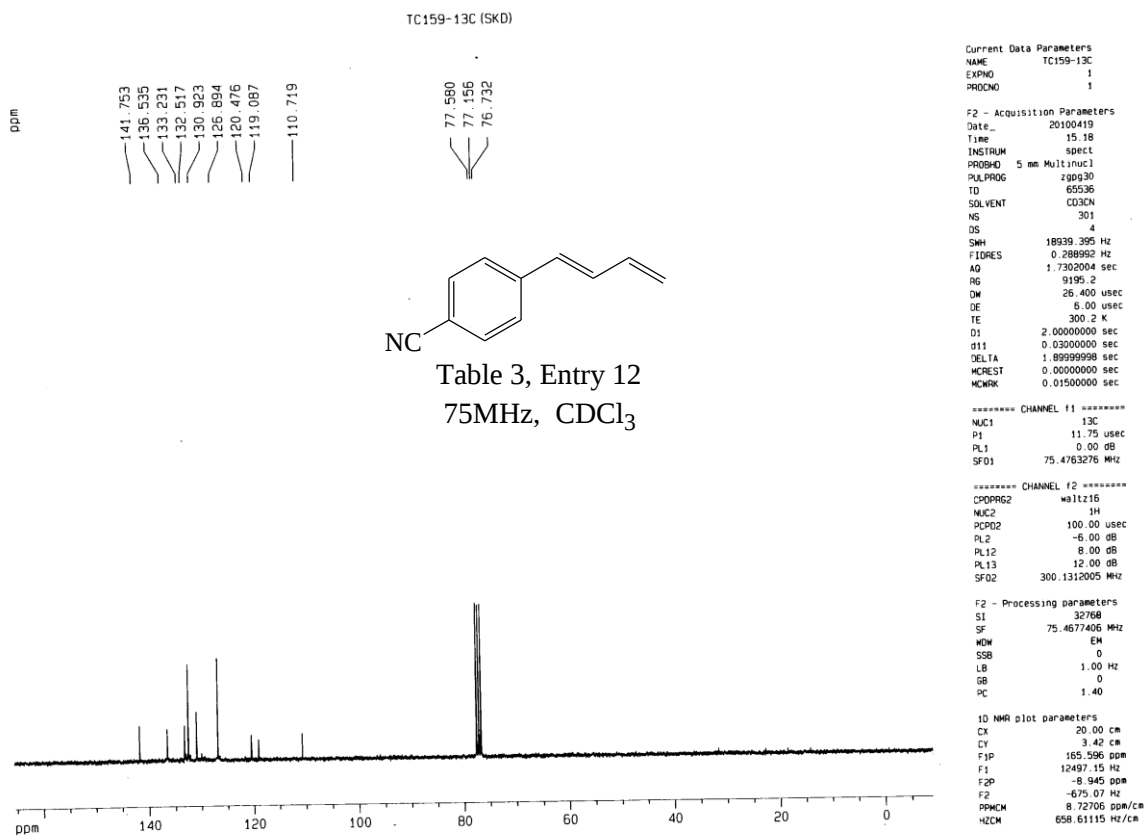
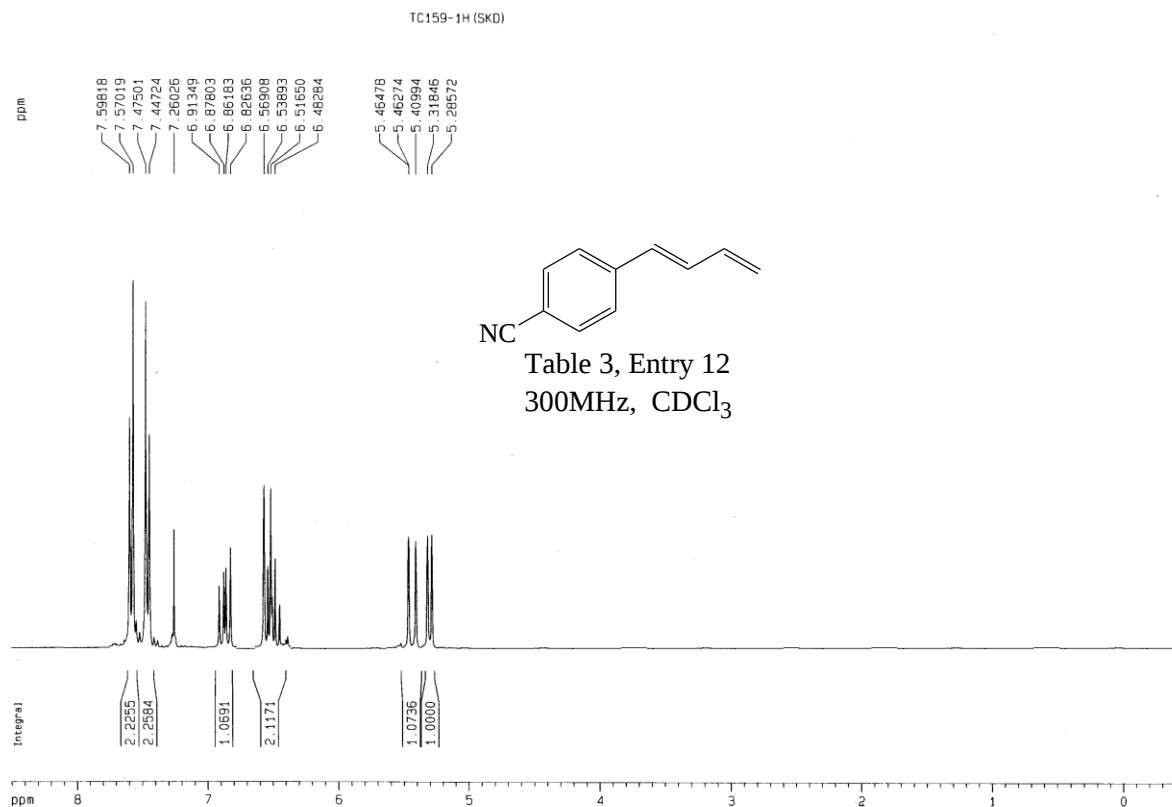
===== CHANNEL f1 =====
NUC1          13C
P1            9.88 usec
PL1           0.50 dB
PL1W          82.16106415 W
SFO1          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           1.00 dB
PL12          16.50 dB
PL13          20.00 dB
PL2W          15.50318613 W
PL12W         0.43693921 W
PL13W         0.19517358 W
SFO2          500.1320005 MHz
SI            16384
SF            125.7577711 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.00
    
```

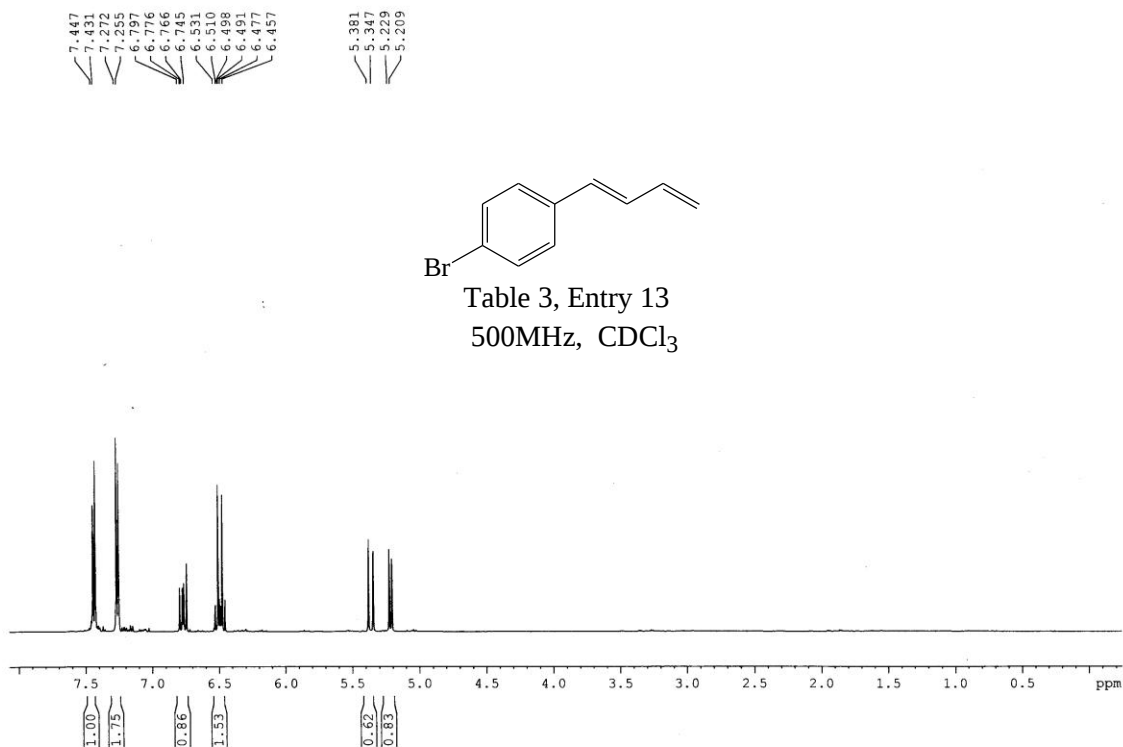




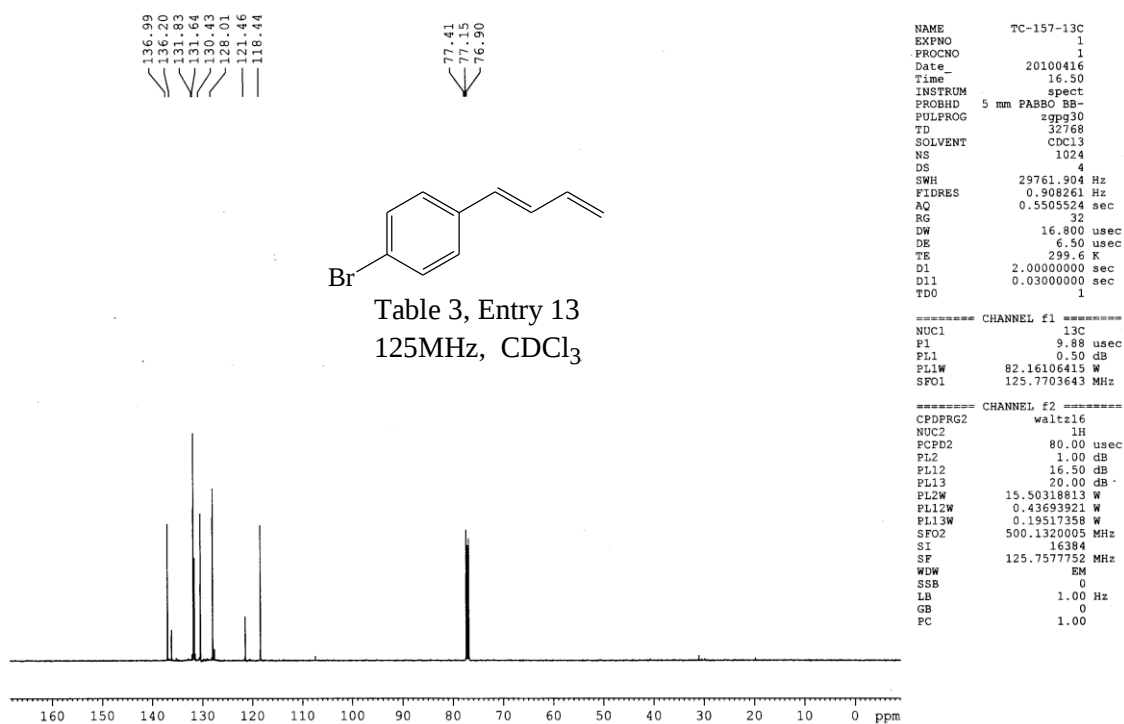


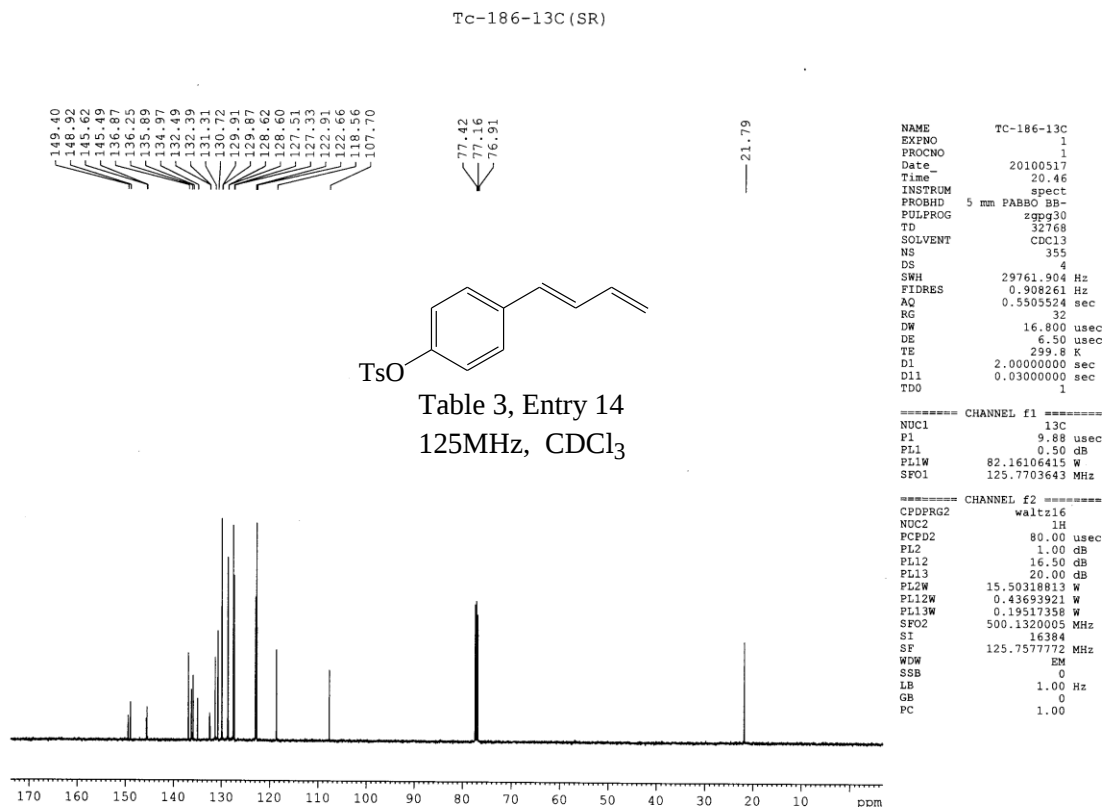
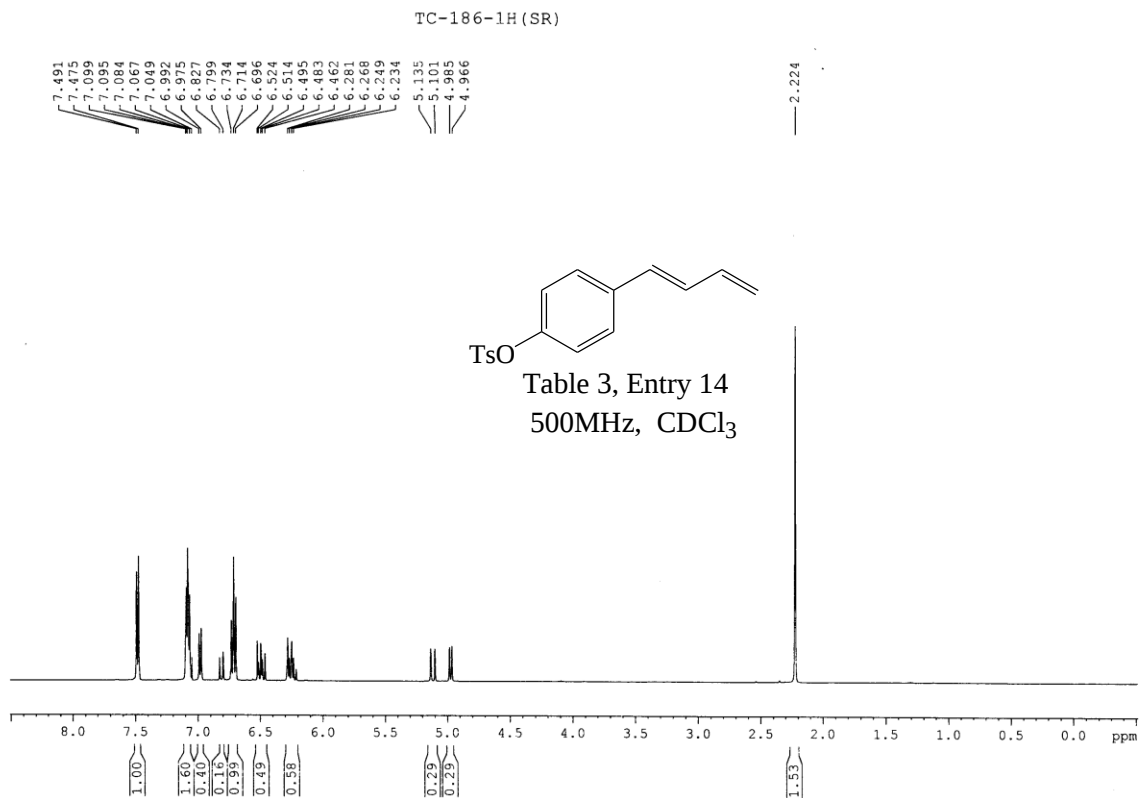


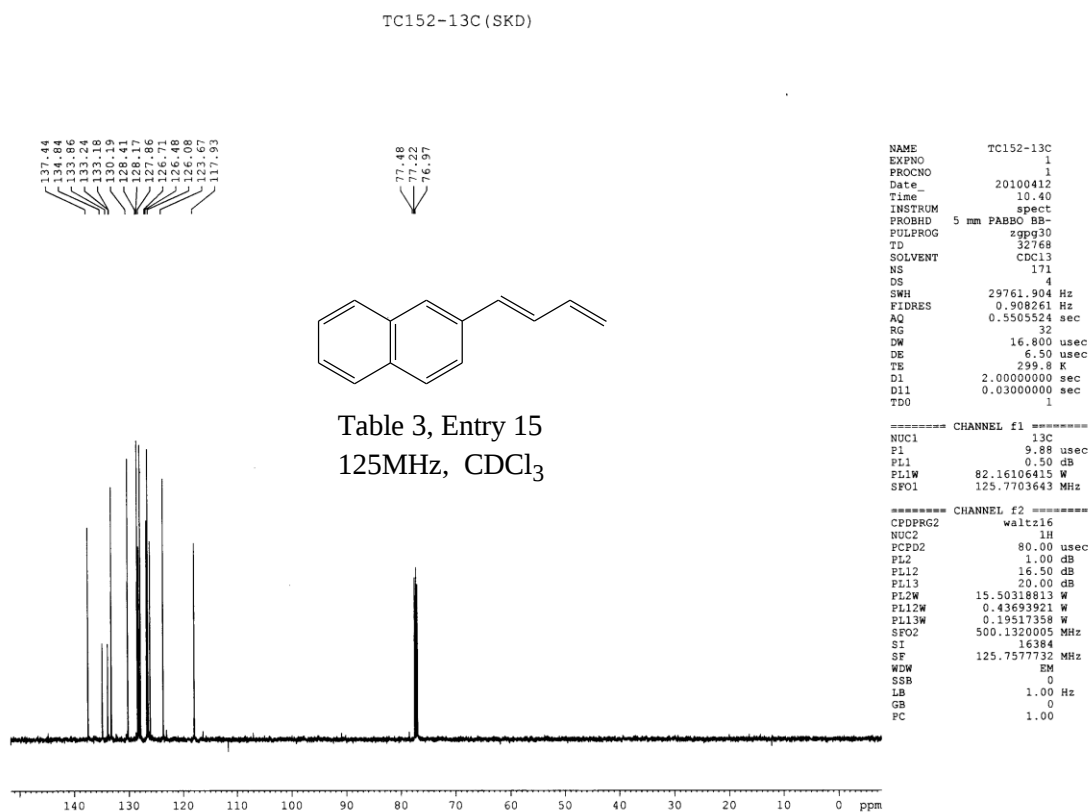
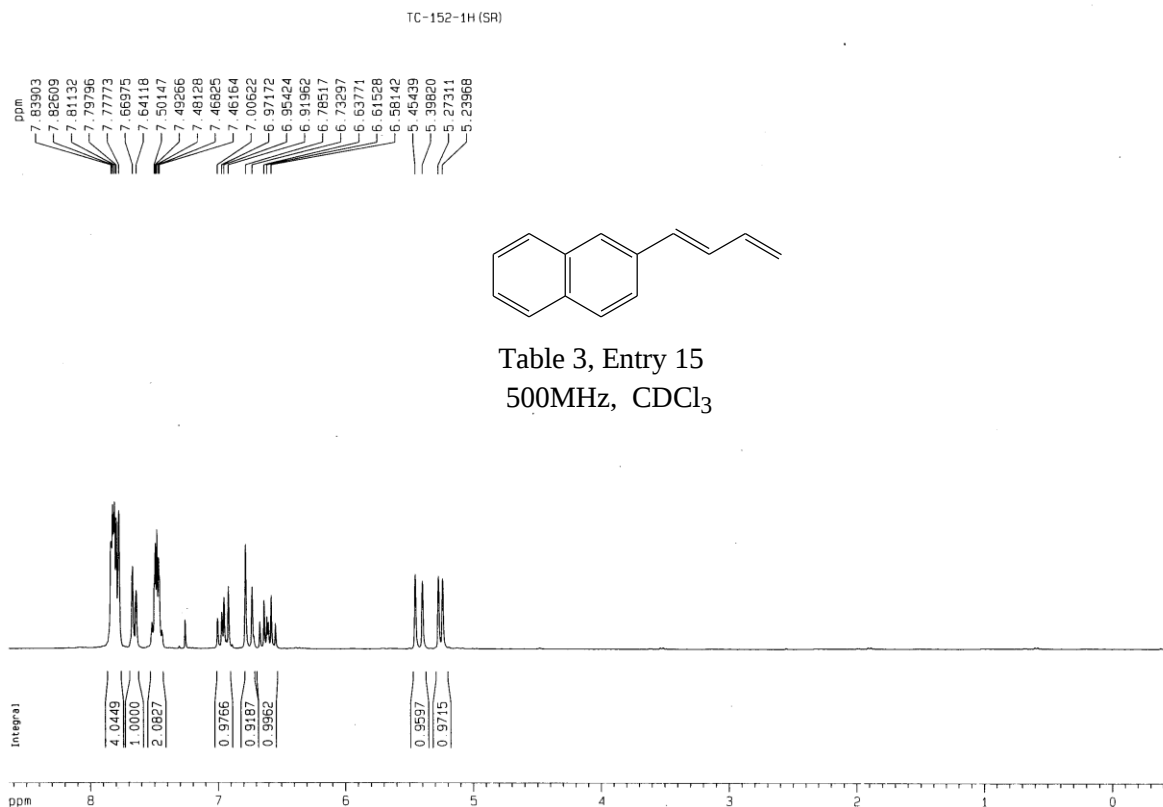
TC-157-1H (SR)



TC-157-13C (SR)







TC-88-1H (SR)

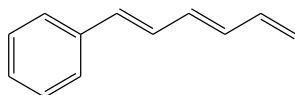
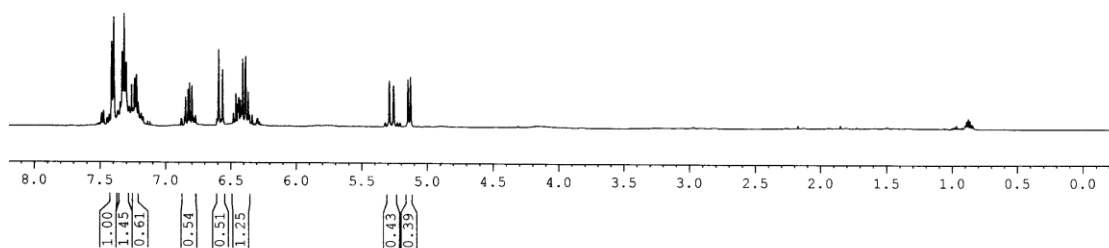


Table 3, Entry 16
500MHz, CDCl₃



RD-812-13C (SR)

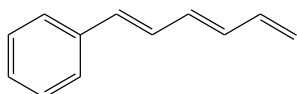
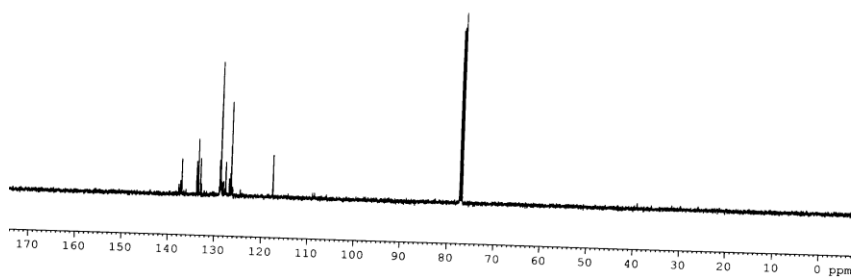


Table 3, Entry 16
125MHz, CDCl₃



```

NAME          RD-812-13C
EXPNO         1
PROCNO        1
Date_         20091201
Time          15.48
INSTRUM       spect
PROBHD        5 mm PABBO BB-
PULPROG       zgpg30
TD            32768
SOLVENT       CDCl3
NS            456
DS            4
SWH           29761.904 Hz
FIDRES        0.908261 Hz
AQ            0.5505524 sec
RG            32
DW            16.800 usec
DE            8.50 usec
TE            300.7 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.88 usec
PL1           0.50 dB
PL1W          82.16106415 W
SFO1          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           1.00 dB
PL12          16.50 dB
PL13          20.00 dB
PL1W          15.50318813 W
PL12W         0.43693921 W
PL1W          0.19517358 W
SFO2          500.1320005 MHz
SI            6384
SF            125.7577700 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.00
    
```

TC153-1H (SKD)

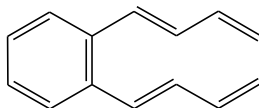
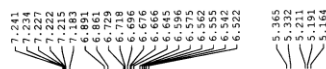
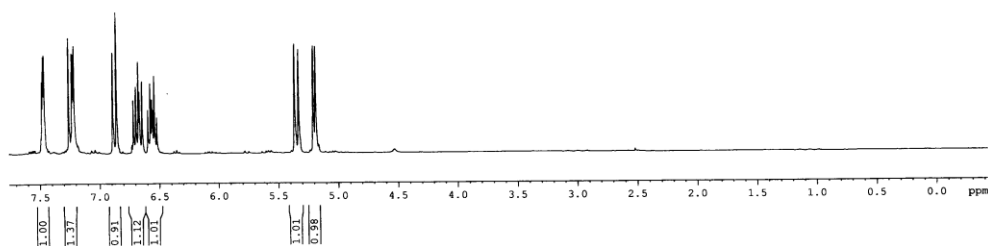


Table- 4, Entry- 1
500 MHz, CDCl₃



TC153-13C (SKD)

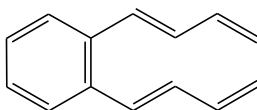
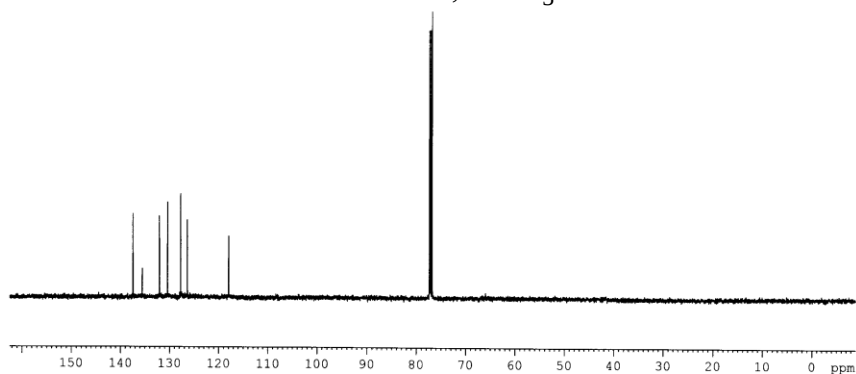


Table- 4, Entry- 1
125 MHz, CDCl₃



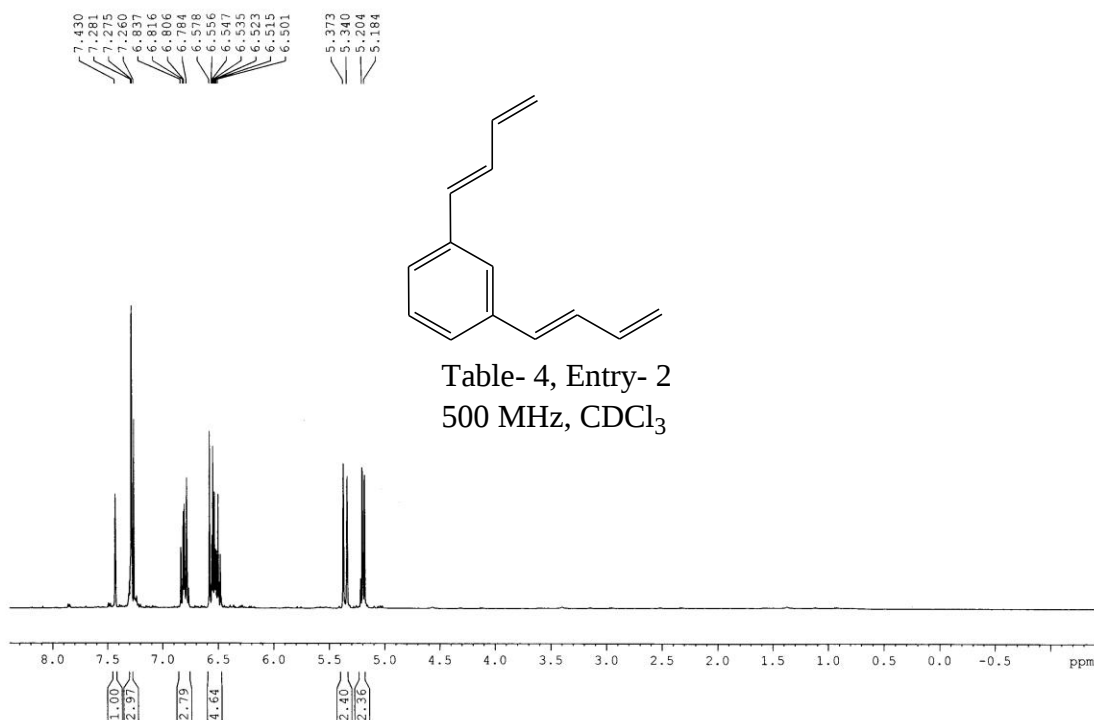
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NAME          TC153-13C
EXPNO         1
PROCNO        1
Date_         20100412
Time          16.00
INSTRUM       spect
PROBHD        5 mm PABBO BB-
PULPROG       zgpg30
TD            32768
SOLVENT       CDCl3
NS            401
DS            4
SWH           29761.904 Hz
FIDRES        0.908261 Hz
AQ            0.5505524 sec
RG            32
DW            16.800 usec
DE            6.50 usec
TE            299.9 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0           1

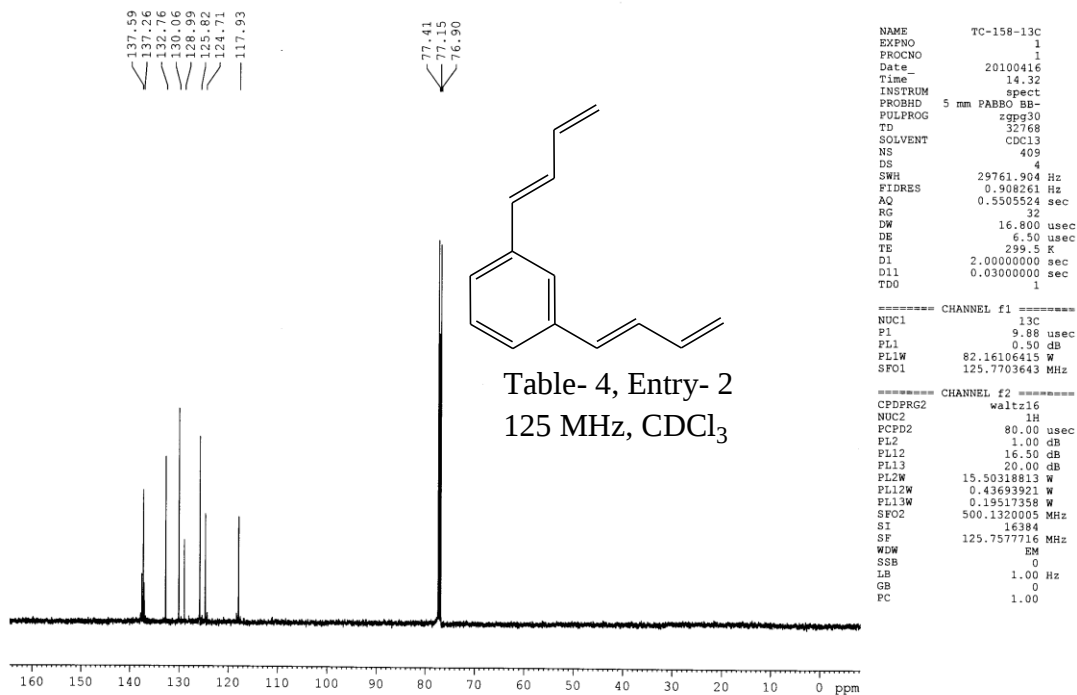
===== CHANNEL f1 =====
NUC1          13C
P1            9.88 usec
PL1           0.50 dB
PL1W          82.16106415 W
SFO1          125.7703643 MHz

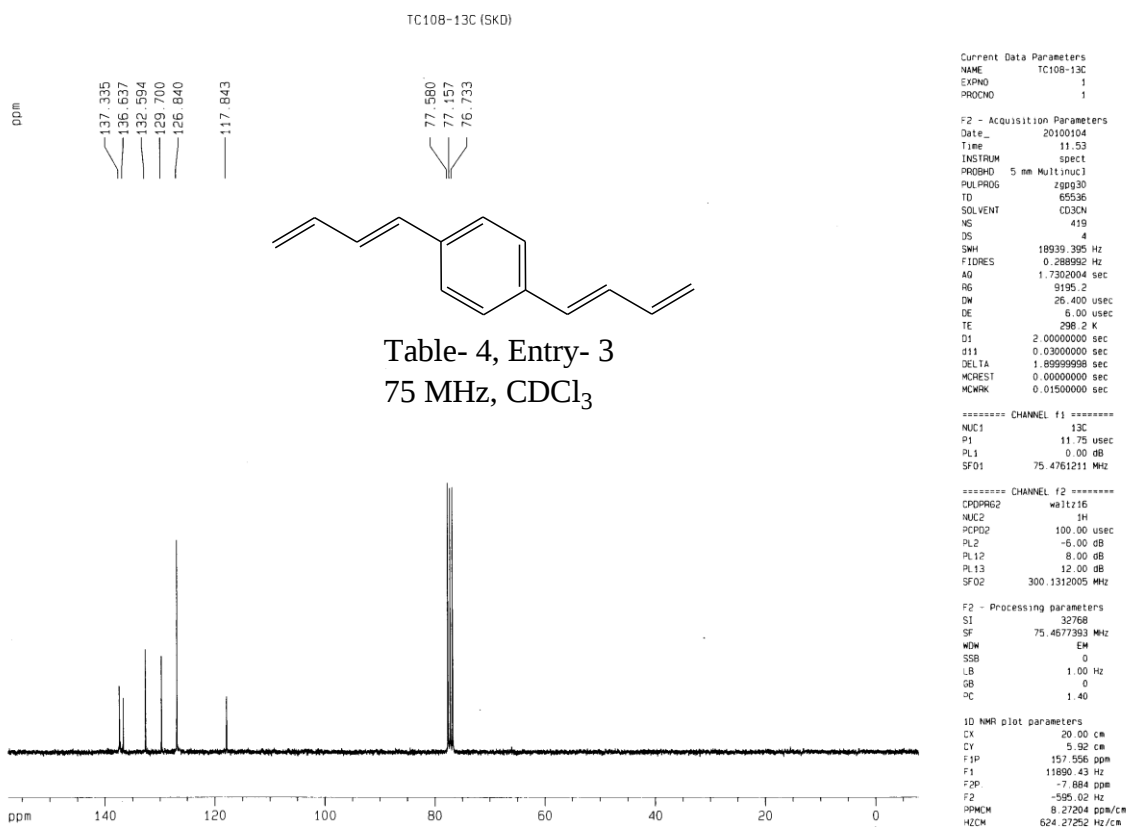
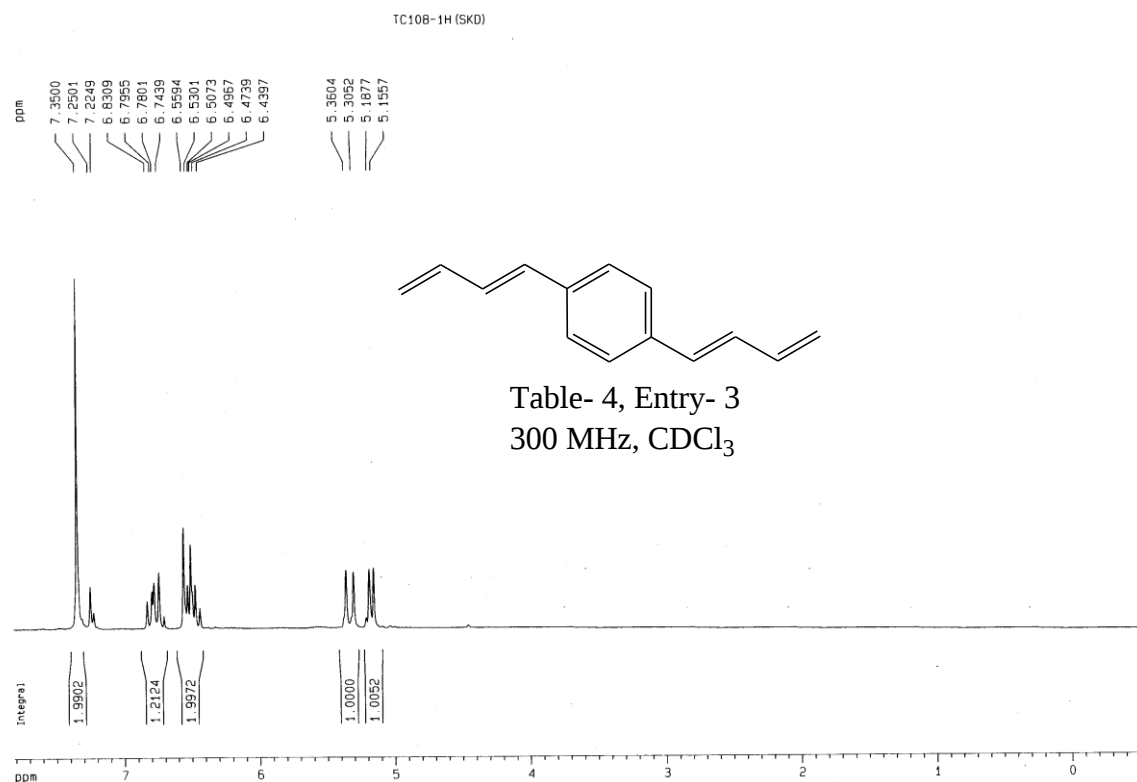
===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           1.00 dB
PL12          16.50 dB
PL13          20.00 dB
PL2W          15.50318813 W
PL12W         0.43693921 W
PL13W         0.19517358 W
SFO2          500.1320005 MHz
SI            16384
SF            125.7577732 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.00
    
```

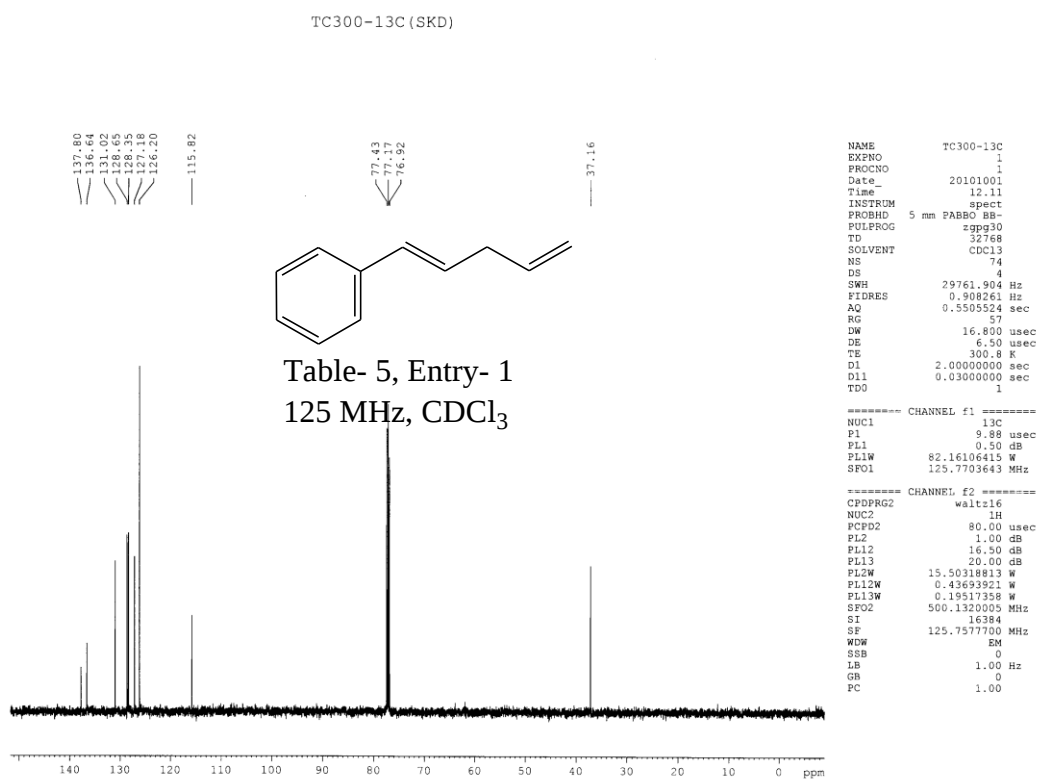
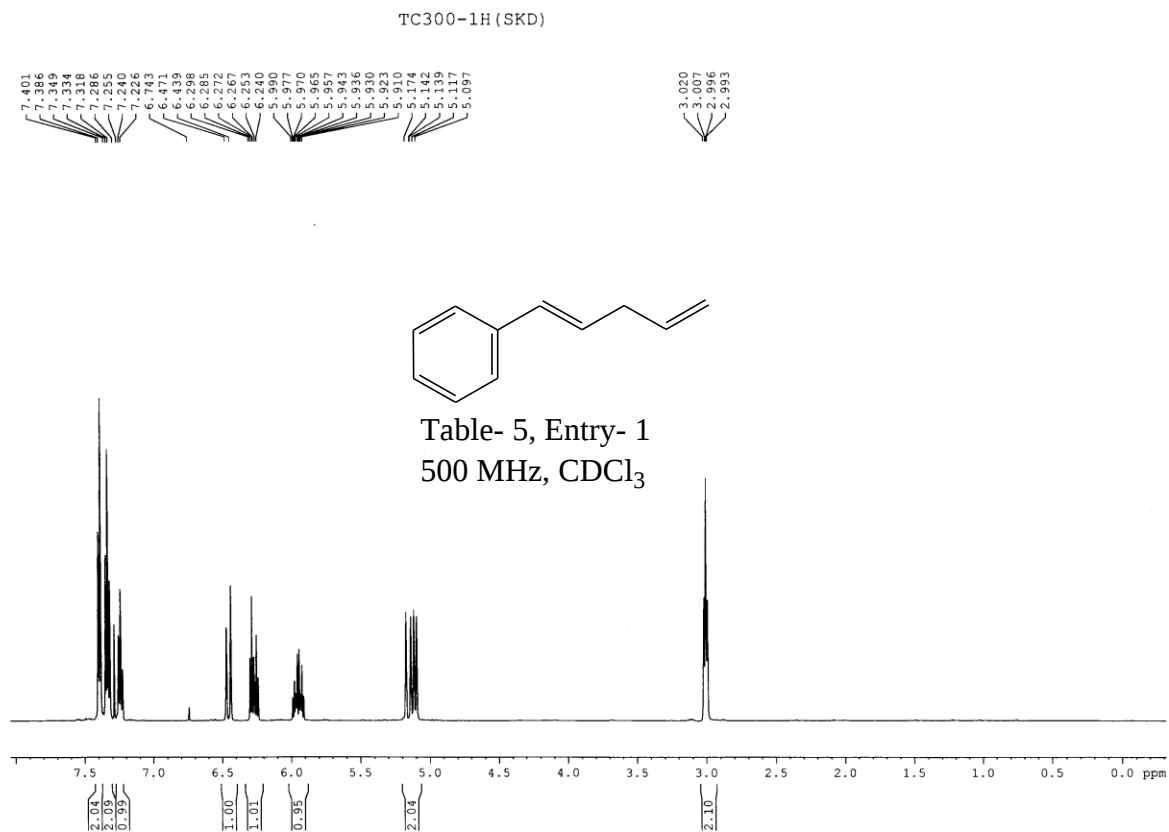
TC-158-1H (SR)

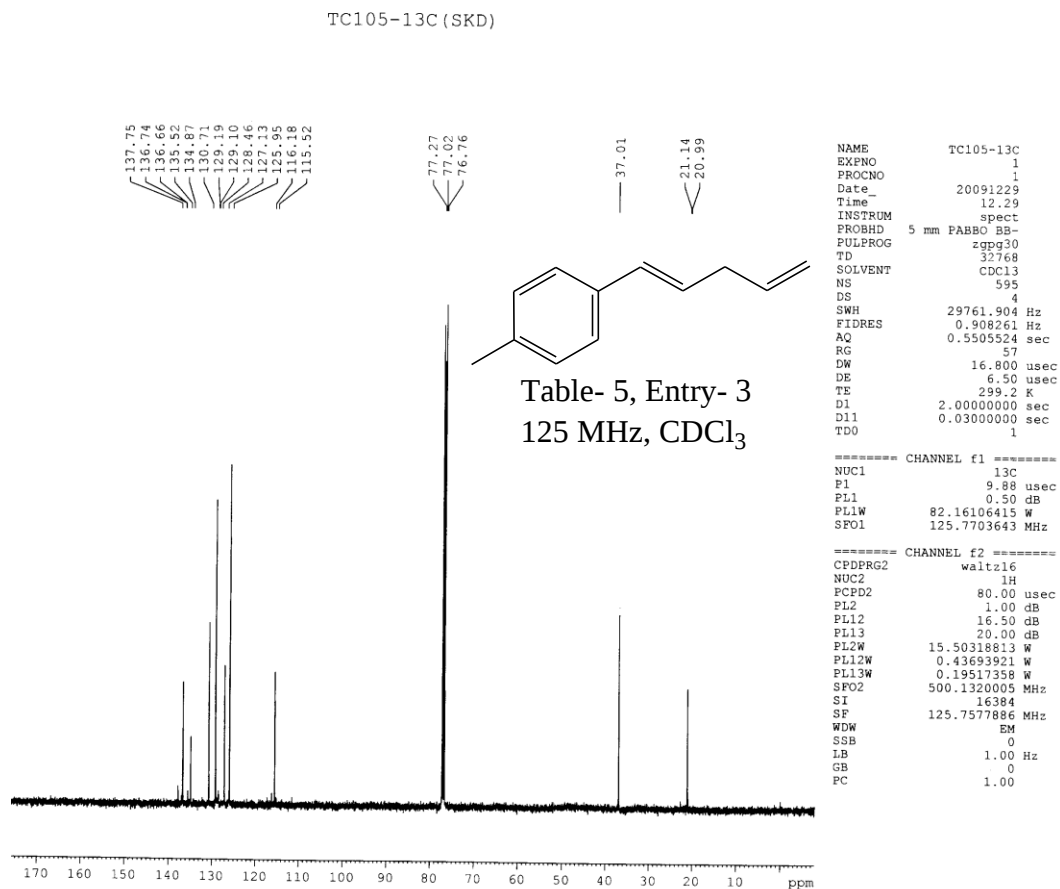
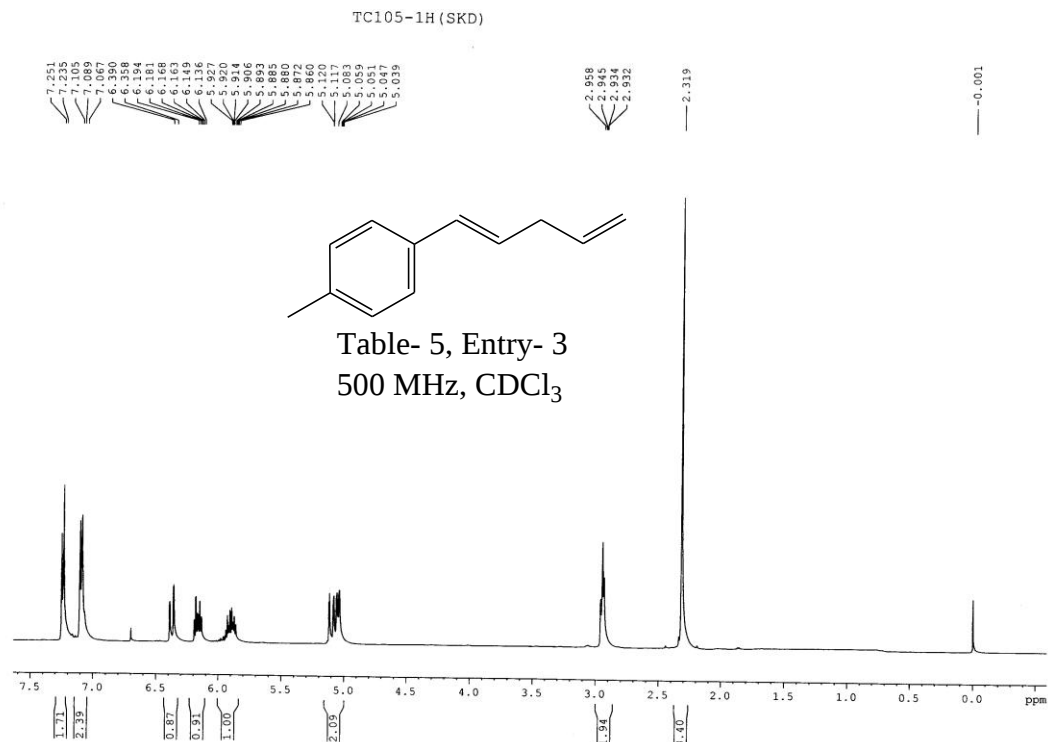


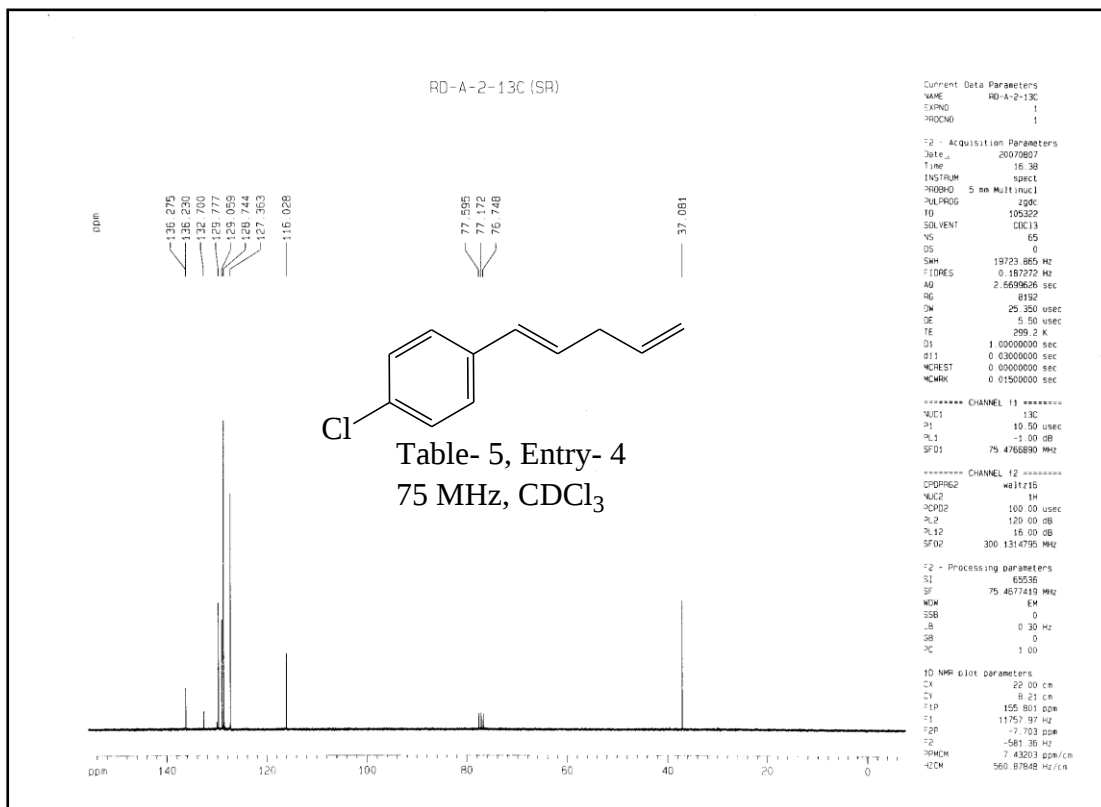
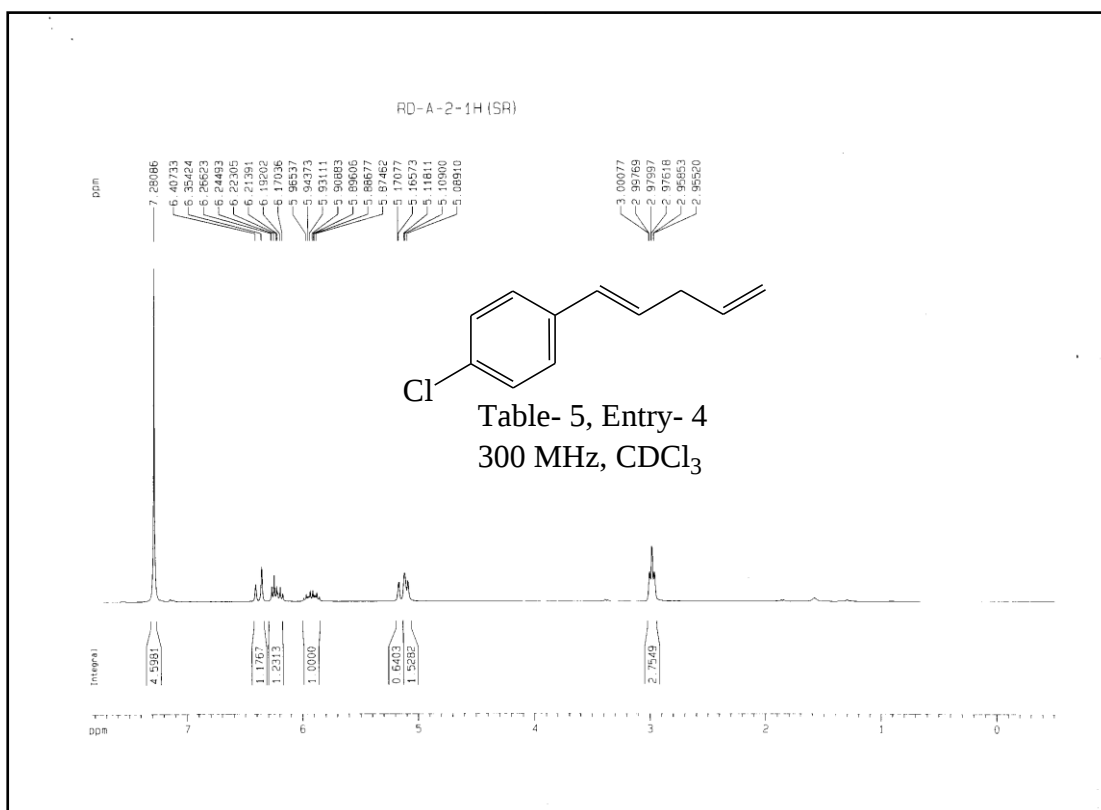
TC-158-13C (SR)











TC86-1H (SKD)

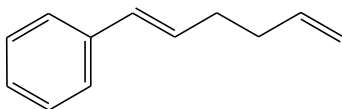
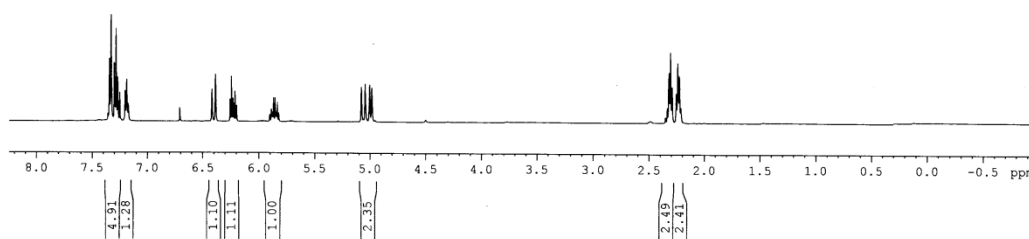


Table- 6, Entry- 1
500 MHz, CDCl₃



TC86-13C (SKD)

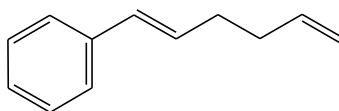
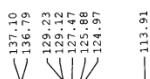
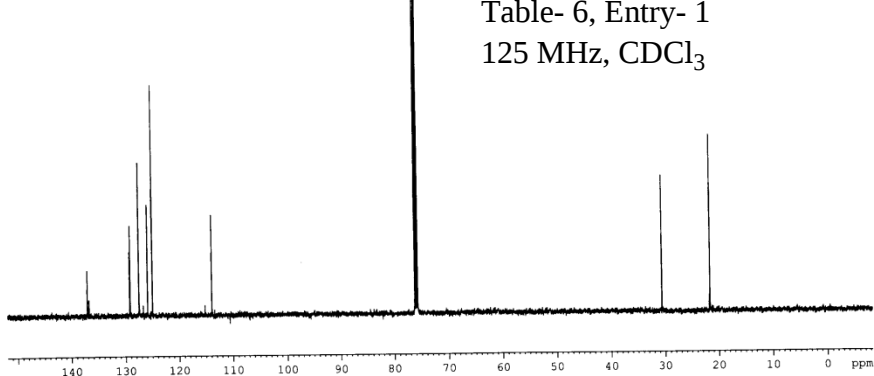


Table- 6, Entry- 1
125 MHz, CDCl₃



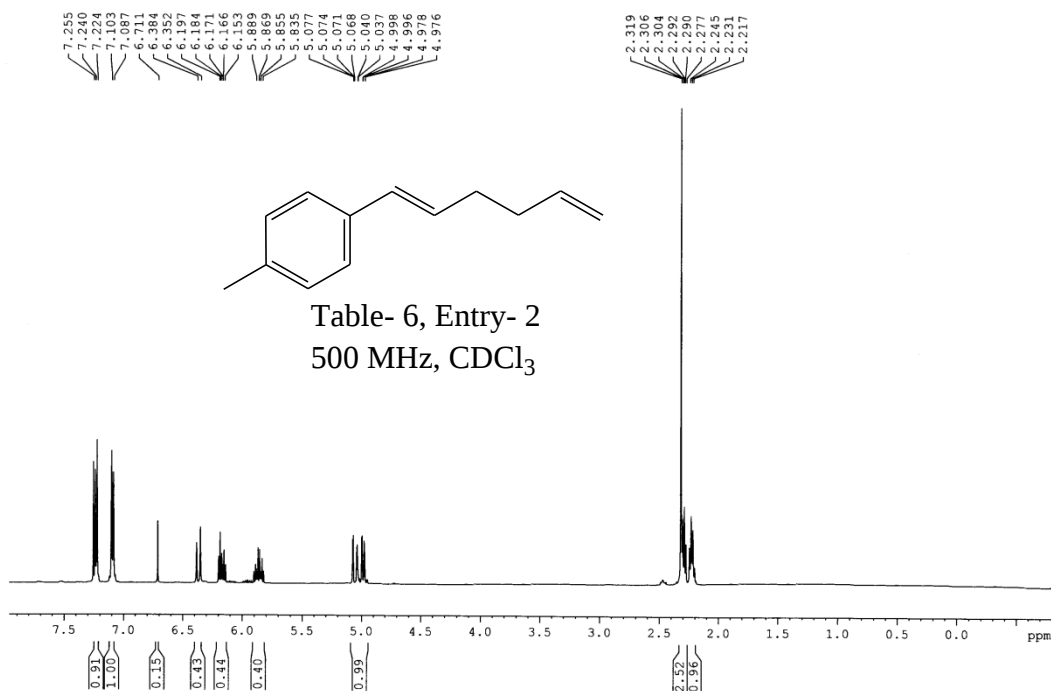
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EXPNO         1
PROCNO        1
Date_         20091125
Time          10.33
INSTRUM       spect
PROBHD        5 mm PABBO BB-
PULPROG       zgpg30
TD            32768
SOLVENT       CDCl3
NS            571
DS            4
SWH           29761.904 Hz
FIDRES        0.908261 Hz
AQ            0.5505524 sec
RG            32
DW            16.800 usec
DE            6.50 usec
TE            298.3 K
D1            2.00000000 sec
D11           0.03000000 sec
TD0           1

===== CHANNEL f1 =====
NUC1          13C
P1            9.88 usec
PL1           0.50 dB
PL1W          82.16106415 W
SF01          125.7703643 MHz

===== CHANNEL f2 =====
CPDPRG2       waltz16
NUC2          1H
PCPD2         80.00 usec
PL2           1.00 dB
PL12          16.50 dB
PL13          20.00 dB
PL2W          15.50318813 W
PL12W         0.43693921 W
PL13W         0.19517358 W
SF02          500.1320005 MHz
SI            16384
SF            125.7579135 MHz
WDW           EM
SSB           0
LB            1.00 Hz
GB            0
PC            1.00
    
```

TC-107-1H (SR)



TC-107-13C (SR)

