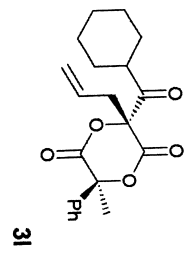
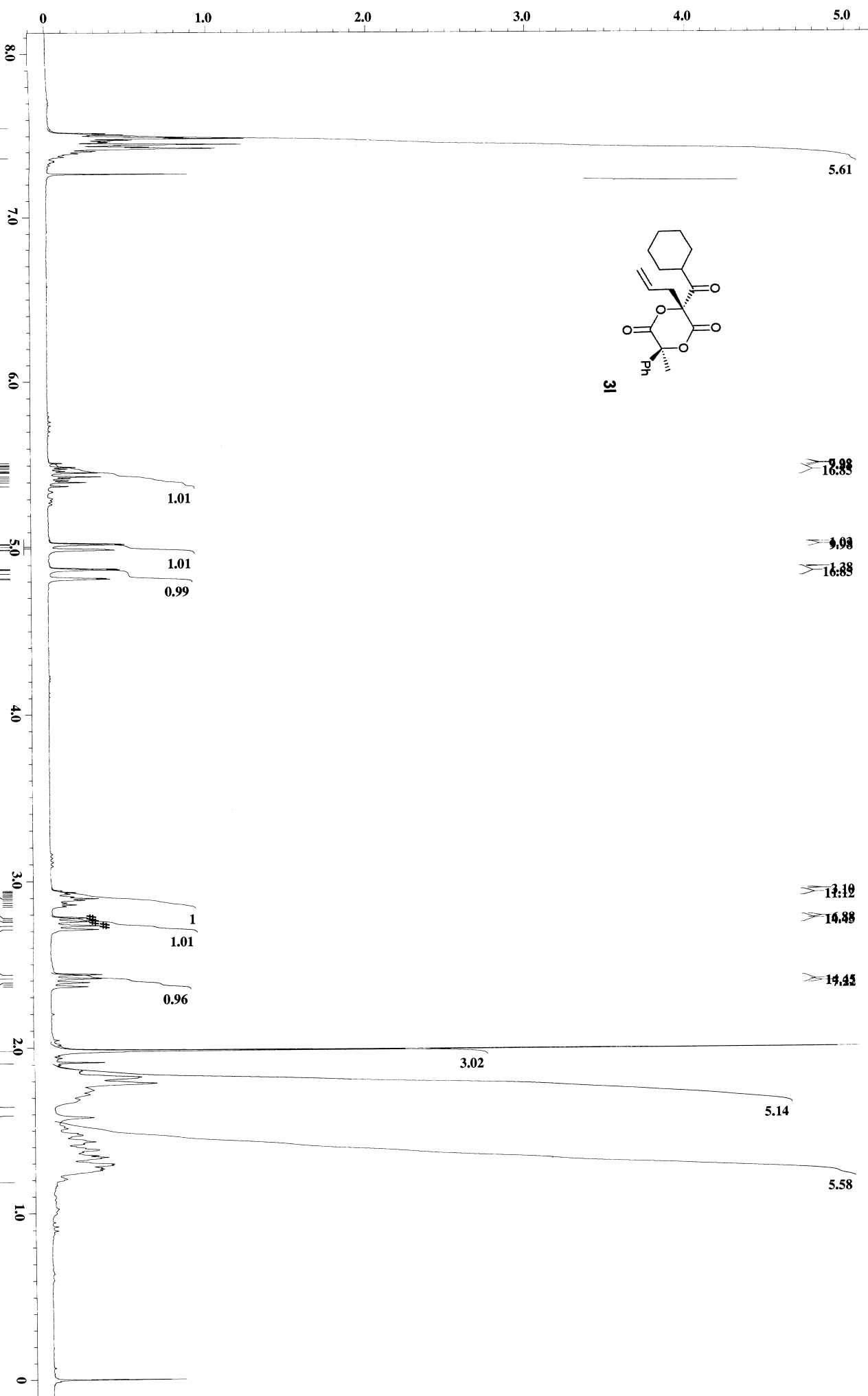
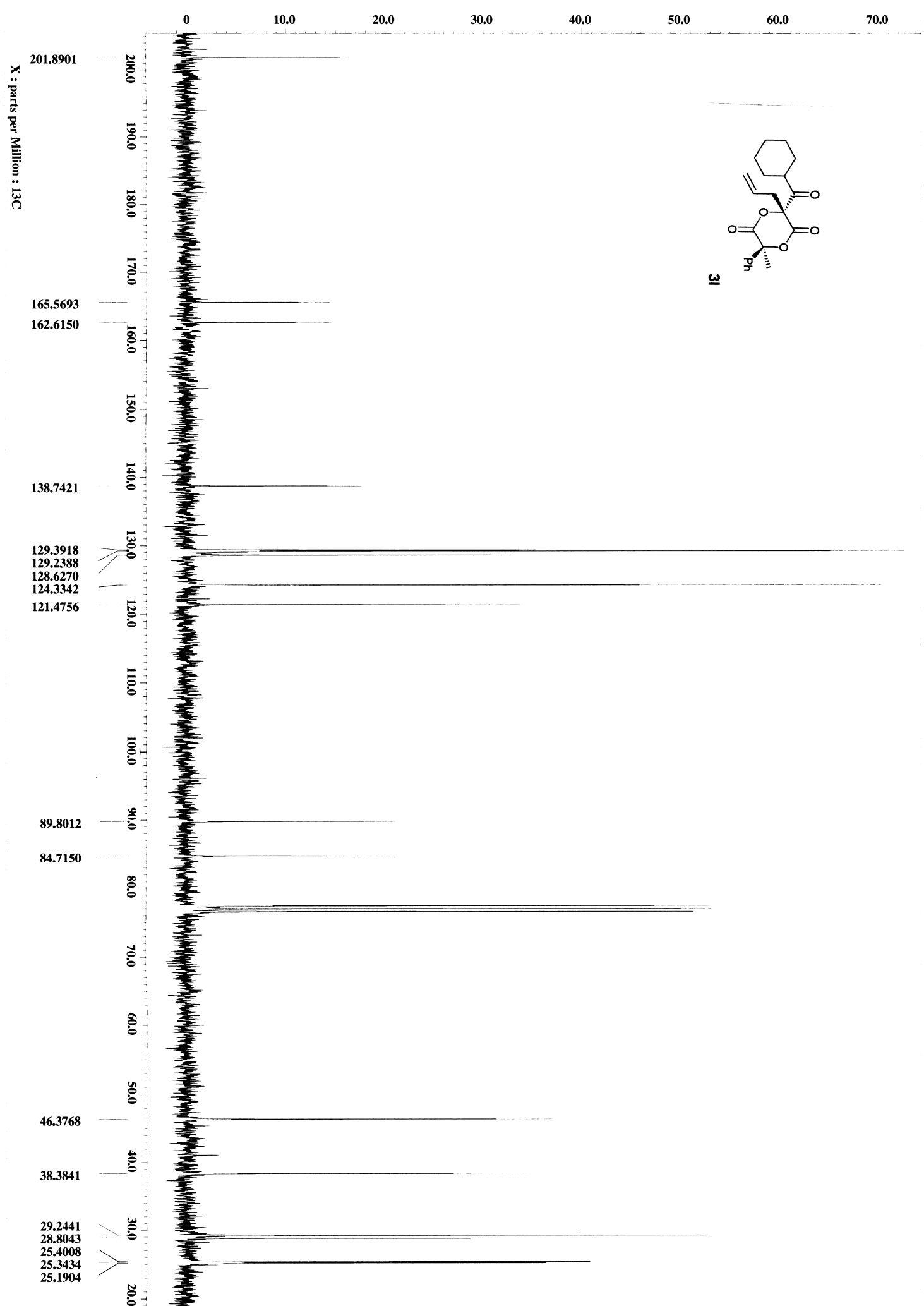
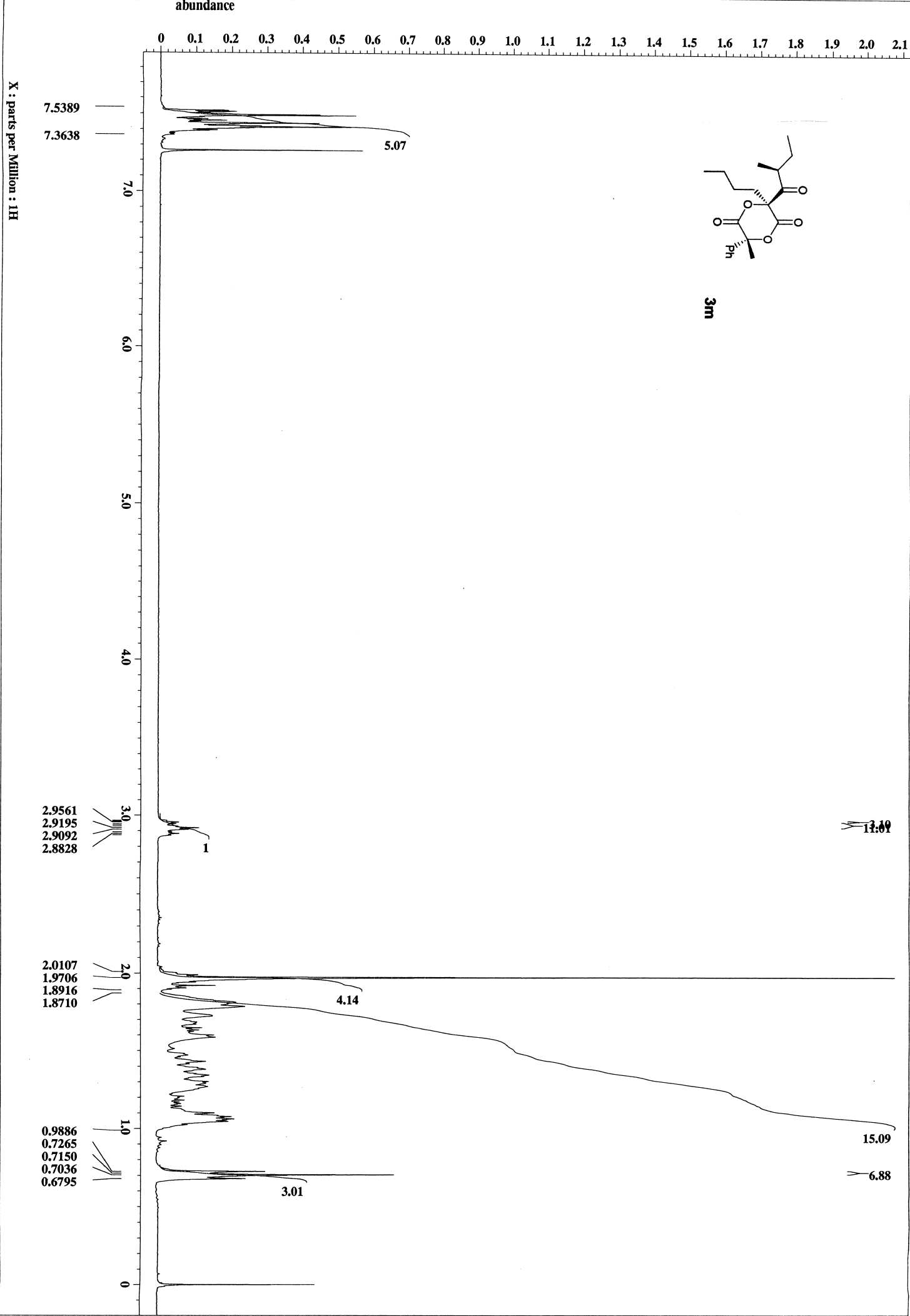


X : parts per Million : 1H

abundance

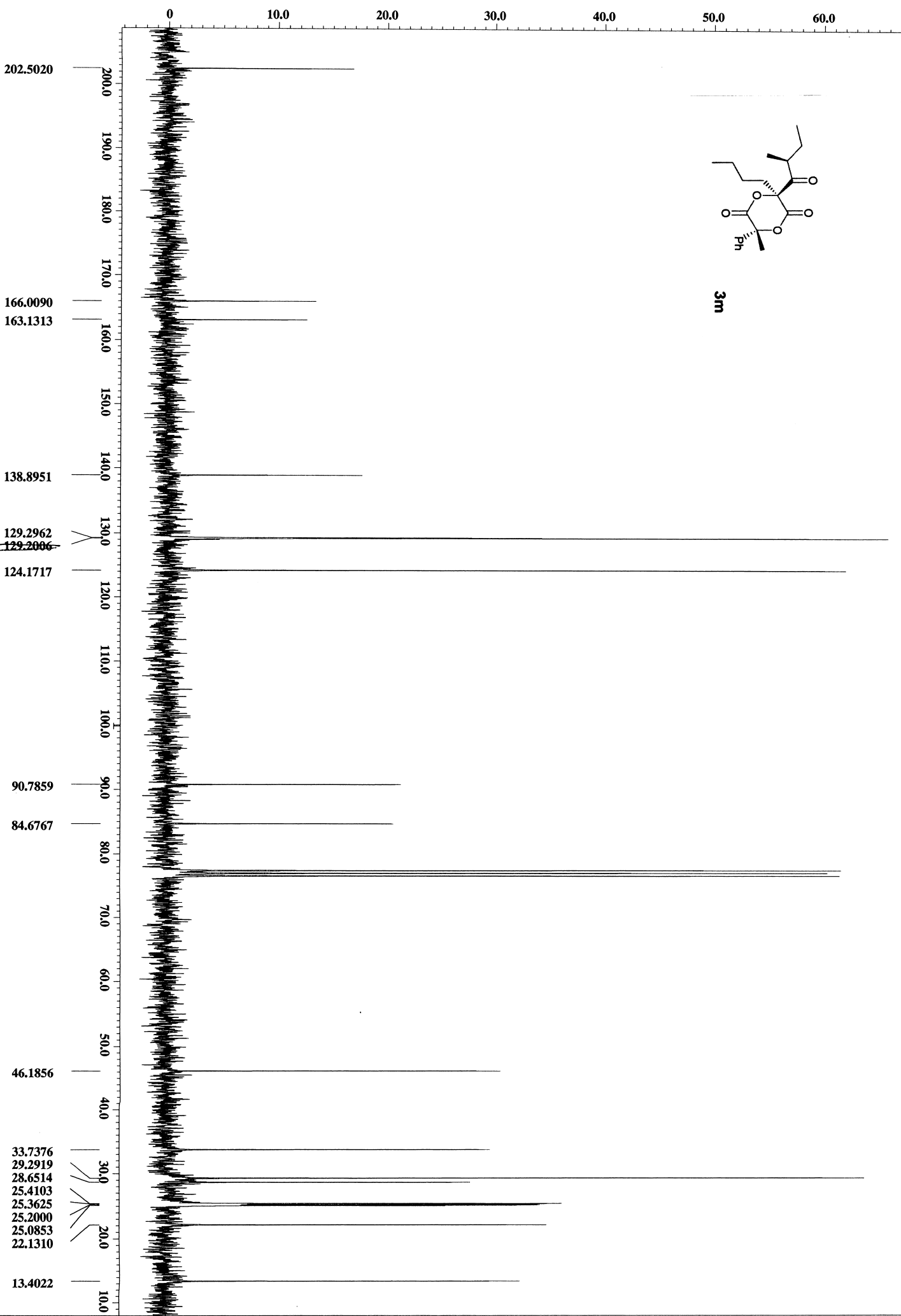


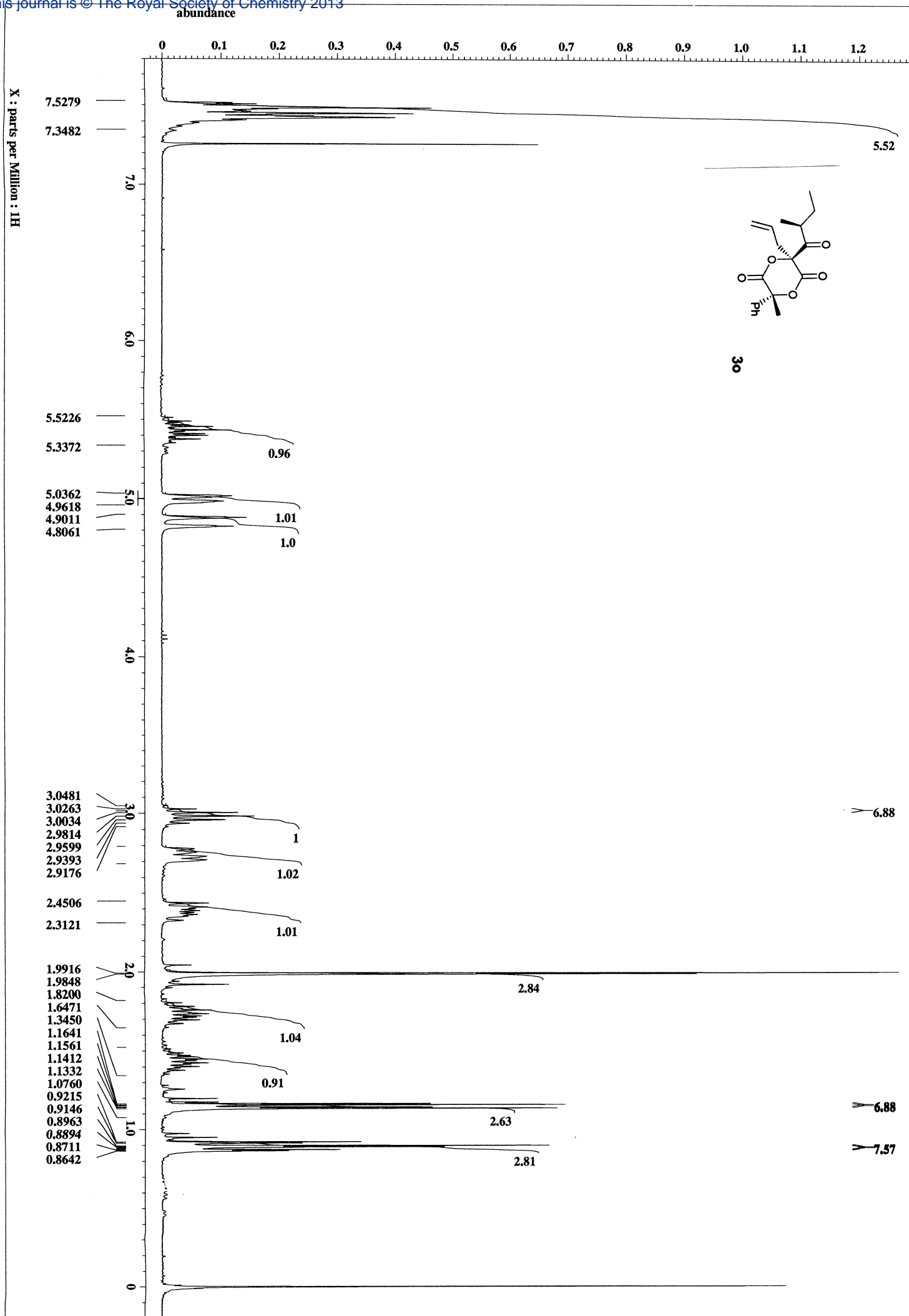


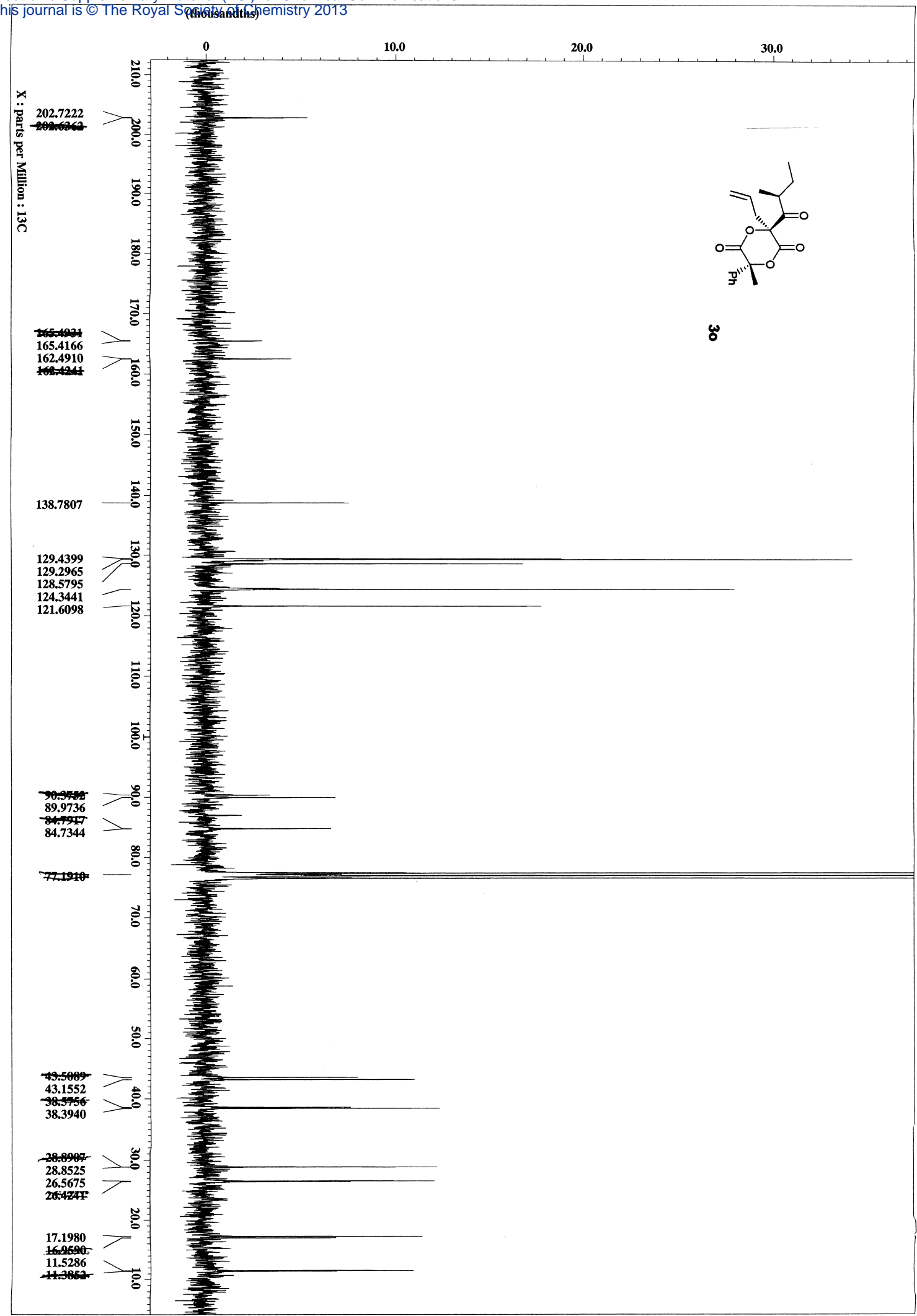


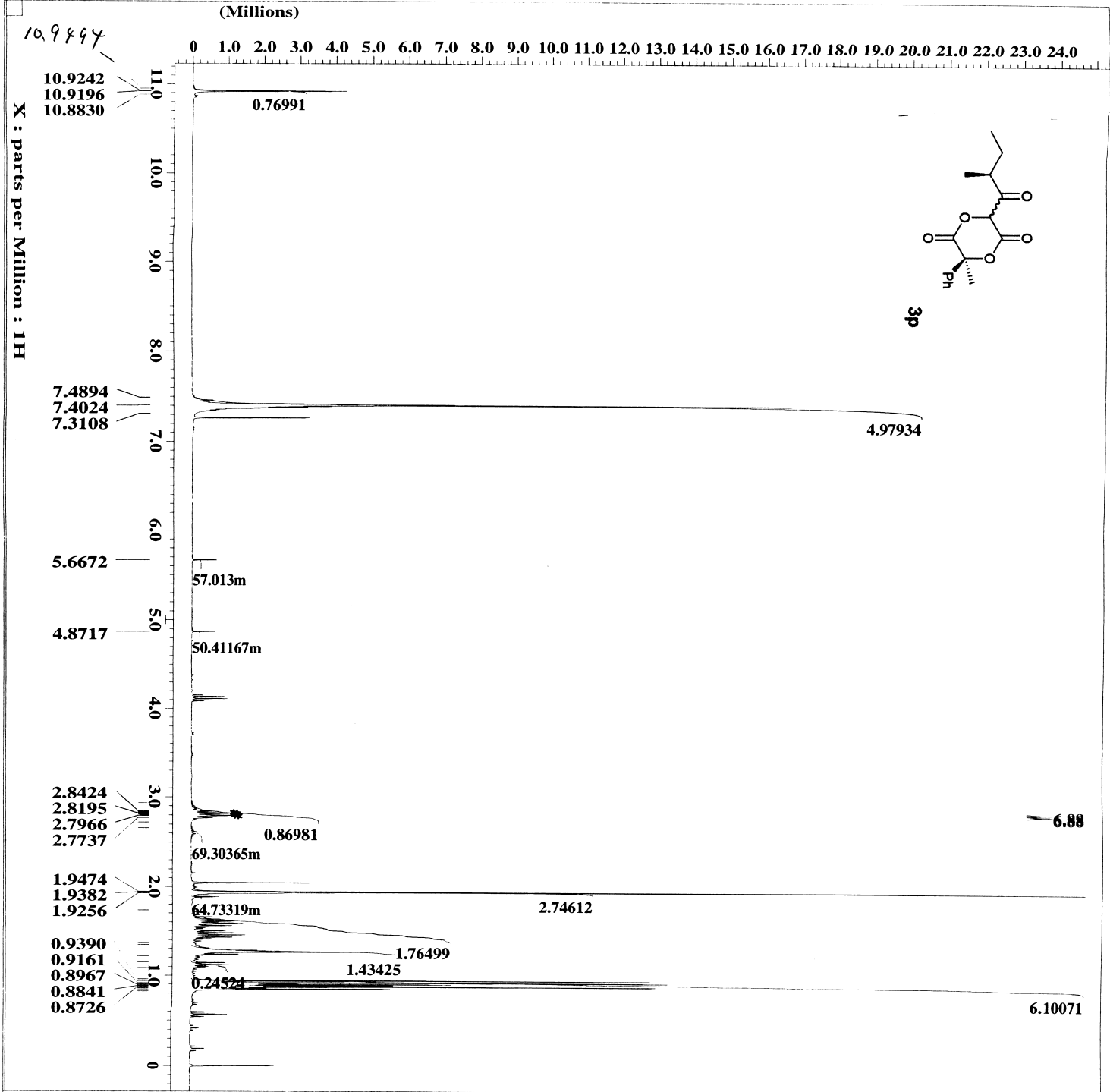
(thousandths)

X : parts per Million : 13C

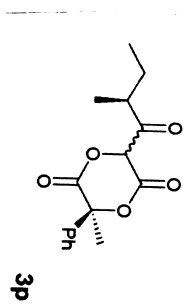








----- ACQUISITION PARAMETERS -----
Derived from: single_pulse.1327
File Name = single_pulse.1329
Author =
Sample ID = S#825616
Content = single_pulse
Creation Date = 30-NOV-2005 22:59:01
Revision Date = 30-NOV-2005 23:14:15
Spec Site = ECA300 (2 JMT30-2)
Spec Type = DELTA2 NMR
Data Format = 1D COMPLEX
Dimensions = X
Dim Title = 1H
Dim Size = 13107
Dim Units = [ppm]
Experiment = single_pulse.ex2
Probe_id = 2692
Temp_get = 24.7 [dC]
Spin_get = 16 [Hz]
Solvent = CHLOROFORM-D
Recvr_gain = 42
Scans = 8
X_prescans = 0
Digital Filter = TRUE
Filter_factor = 8
X_points = 16384
X_domain = 1H
X_offset = 5 [ppm]
X_freq = 300.52965592 [MHz]
X_sweep = 5.63570784 [kHz]
X_acq_time = 2.90717696 [s]
X_resolution = 0.34397631 [Hz]
Relaxation_delay = 7.90717696 [s]
X_angle = 45 [deg]
X_90_width = 10.6 [us]
X_pulse = 5.3 [us]
X_atn = 5.8 [dB]
Dante_Preset = FALSE
Irr_mode = OFF
Irr_domain = 1H
Irr_freq = 300.52965592 [MHz]
Irr_offset = 5 [ppm]
Irr_pwidth = 0.153 [ms]
Dead_time = 0 [us]
Delay = 0 [us]
Tr1_mode = OFF
Tr1_domain = 1H
Tr1_freq = 300.52965592 [MHz]
Tr1_offset = 5 [ppm]
Tr1_pwidth = 1 [us]
Obs_pwidth = 1 [us]
Qu1_pwidth = 1 [us]
Sex_pwidth = 1 [us]
Sep_pwidth = 1 [us]
Oct_pwidth = 1 [us]
Non_pwidth = 1 [us]
Dec_pwidth = 1 [us]



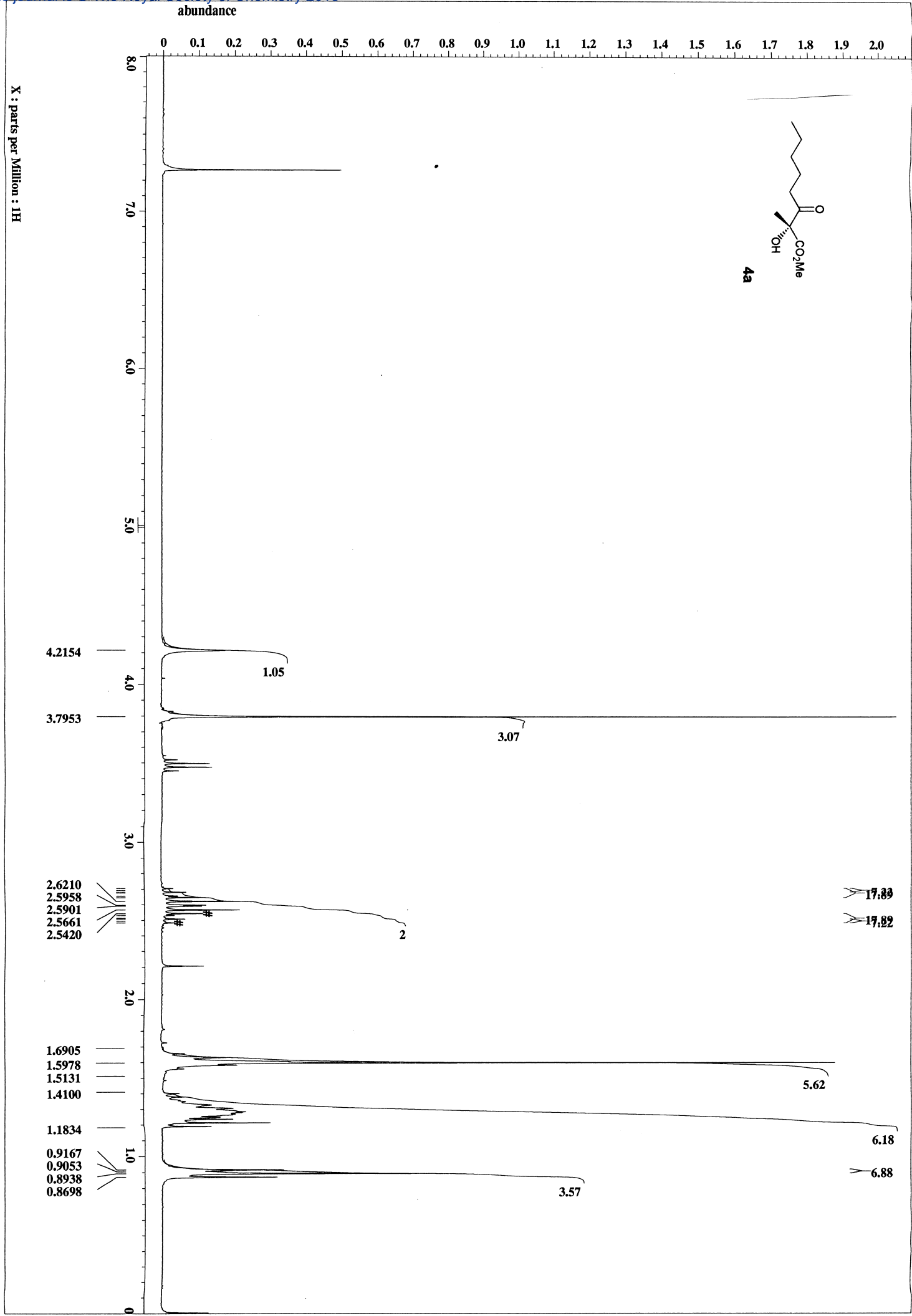
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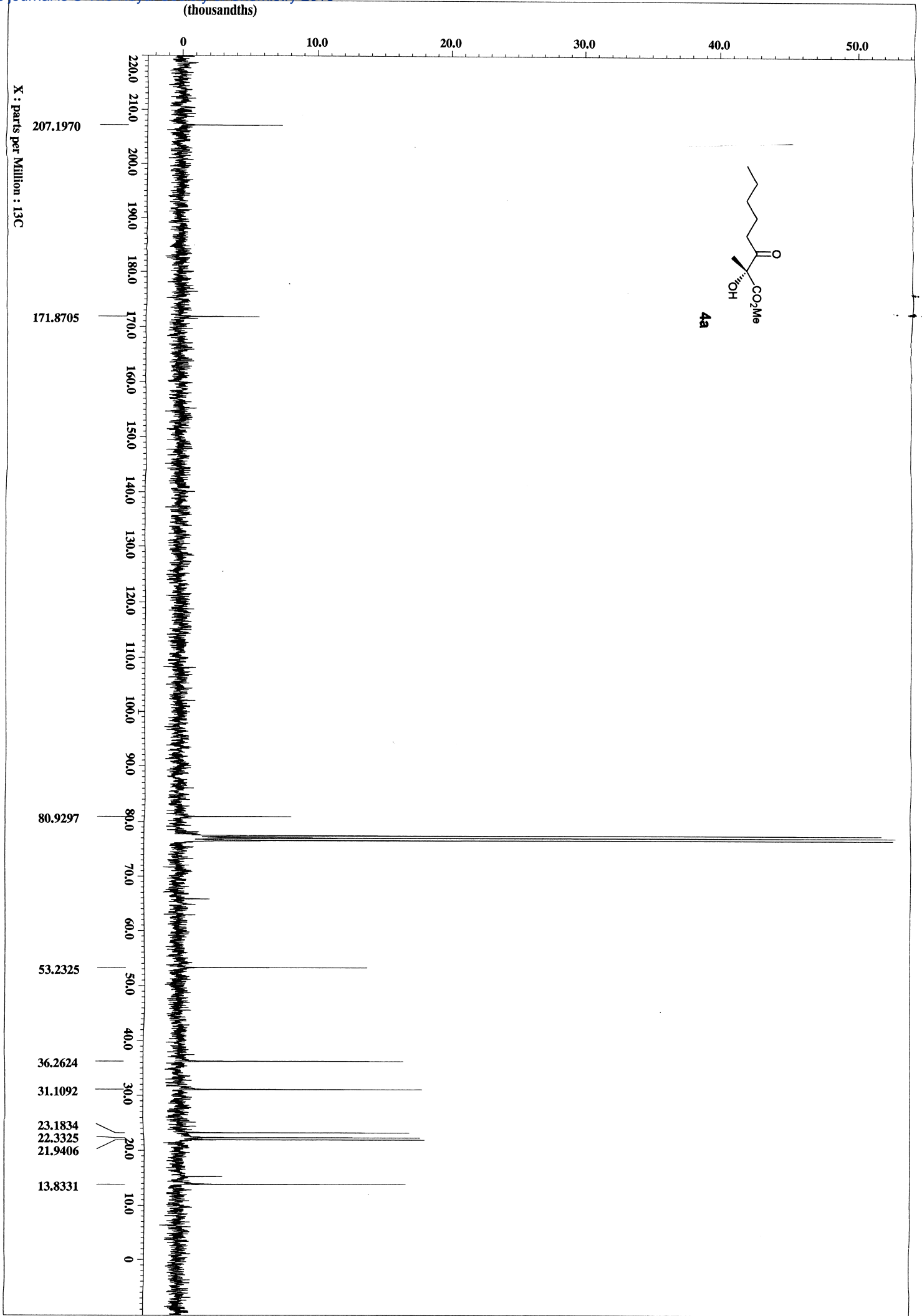
---- ACQUISITION PARAMETERS ----
Acquired from: single_pulse_dec_copy.23
File Name      = single_pulse_dec_copy.
Author         =
Sample ID      = S#826804
Content        = single_pulse_decoupled
Creation Date   = 30-NOV-2005 23:29:43

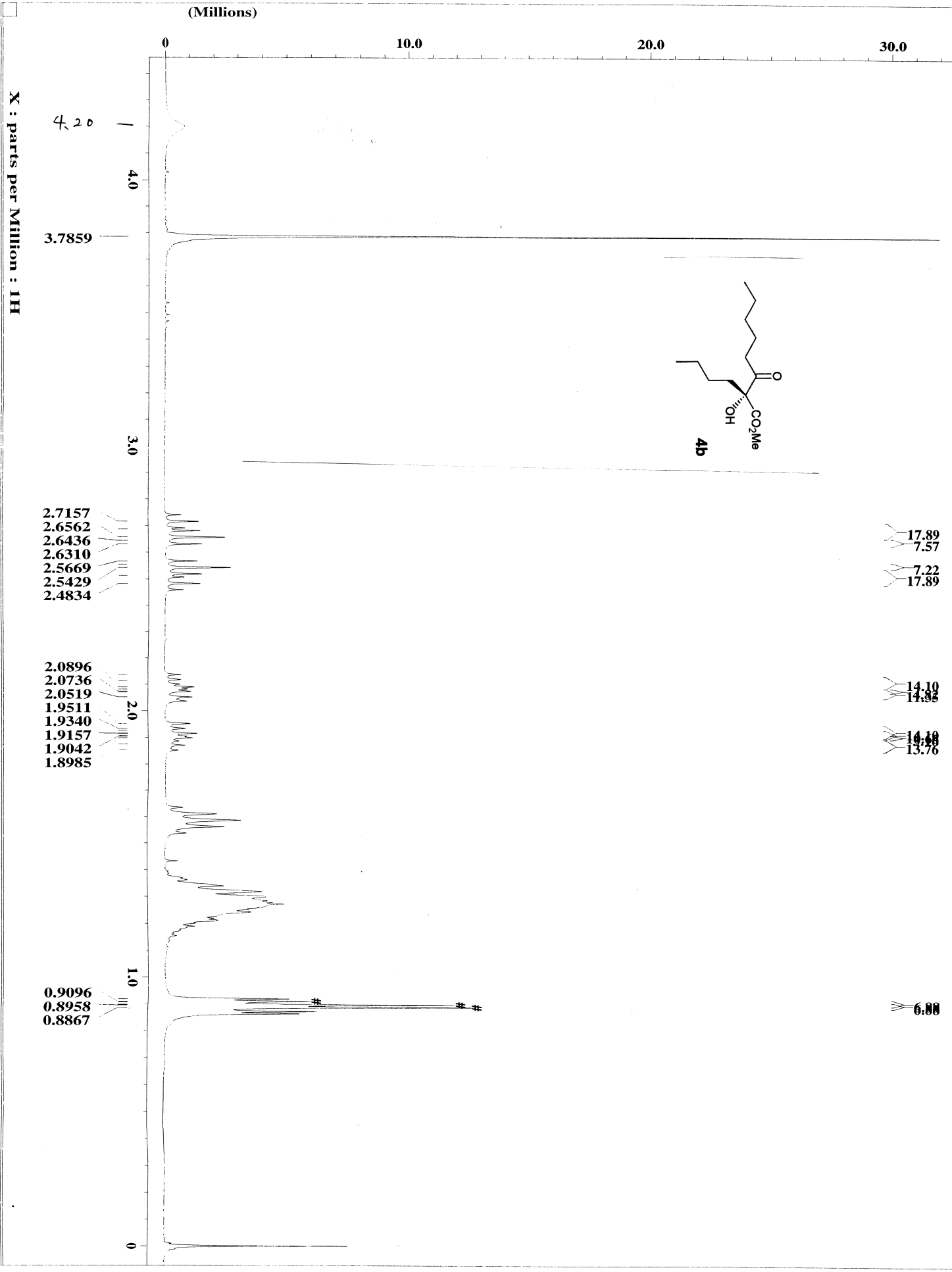
Revision Date   = 30-NOV-2005 23:30:56
Spec Size      = ECA300 (2 DMT30-2)

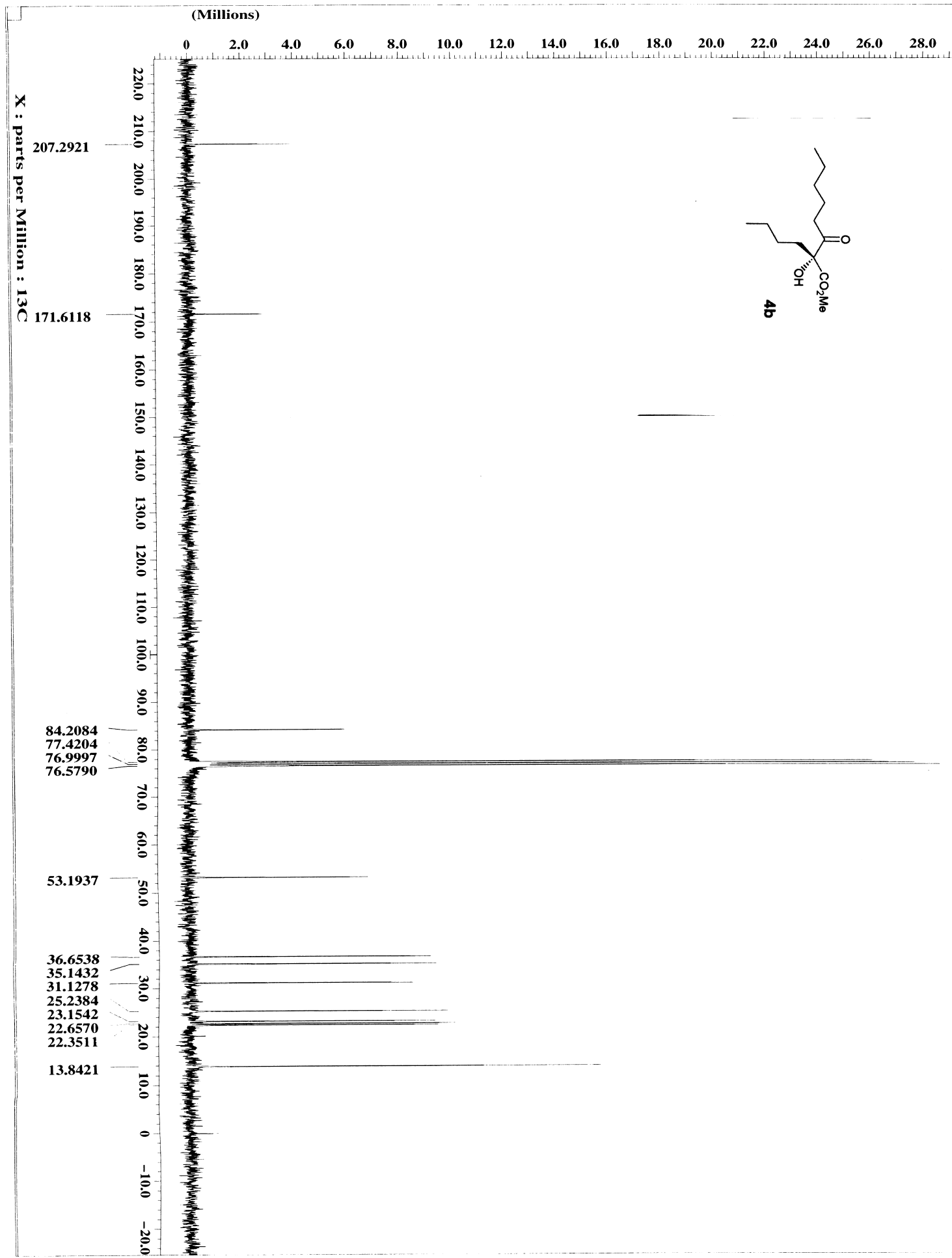
Spec Type      = DELTA2 NMR
Data Format     = ID COMPLEX
Dimensions     = X
Dim Title      = 13C
Dim Size       = 13107
Dim Units      = [ppm]
Experiment      = single_pulse_dec
Probe_id       = 2692
Temp_get       = 24.8(dC)
Spin_get       = 14 [Hz]
Solvent        = CHLOROFORM-D
Recvr_gain     = 60
Scaans         = 591
X prescans     = 4
Digital filter = TRUE
P1filter_factor = 8
X_points       = 16384
X_domain       = 13C
X_offset       = 100 [ppm]
X_freq         = 75.56823426 [MHz]
X_sweep        = 23.67424242 [kHz]
X_acq_time     = 0.692006016[s]
X_resolution   = 1.444961091[Hz]
Relaxation_delay = 2[s]
Repetition_time = 2.63206016[s]
X_angle        = 30[deg]
X_90_width     = 9.6 [us]
X_pulse        = 3.2 [us]
X_atn          = 8.6 [dB]
X_atn_time     = 2[us]
Non_time       = TRUE
Decoupling     = 1H
Irr_domain     = 300.52965592 [MHz]
Irr_freq       = 5 [ppm]
Irr_offset     = 0.153 [ms]
Irr_pwidth     = 28.8 [ds]
Irr_atn_dec    = 28.8 [ds]
Irr_noise      = WALTZ
Dead_time      = 0[us]
Delay          = 0[us]
Tri_pwidth     = 1[us]
Obs_pwidth     = 1[us]
Qui_pwidth     = 1[us]
Sex_pwidth     = 1[us]
Sep_pwidth     = 1[us]
Oct_pwidth     = 1[us]
Non_pwidth     = 1[us]
Dec_pwidth     = 1[us]

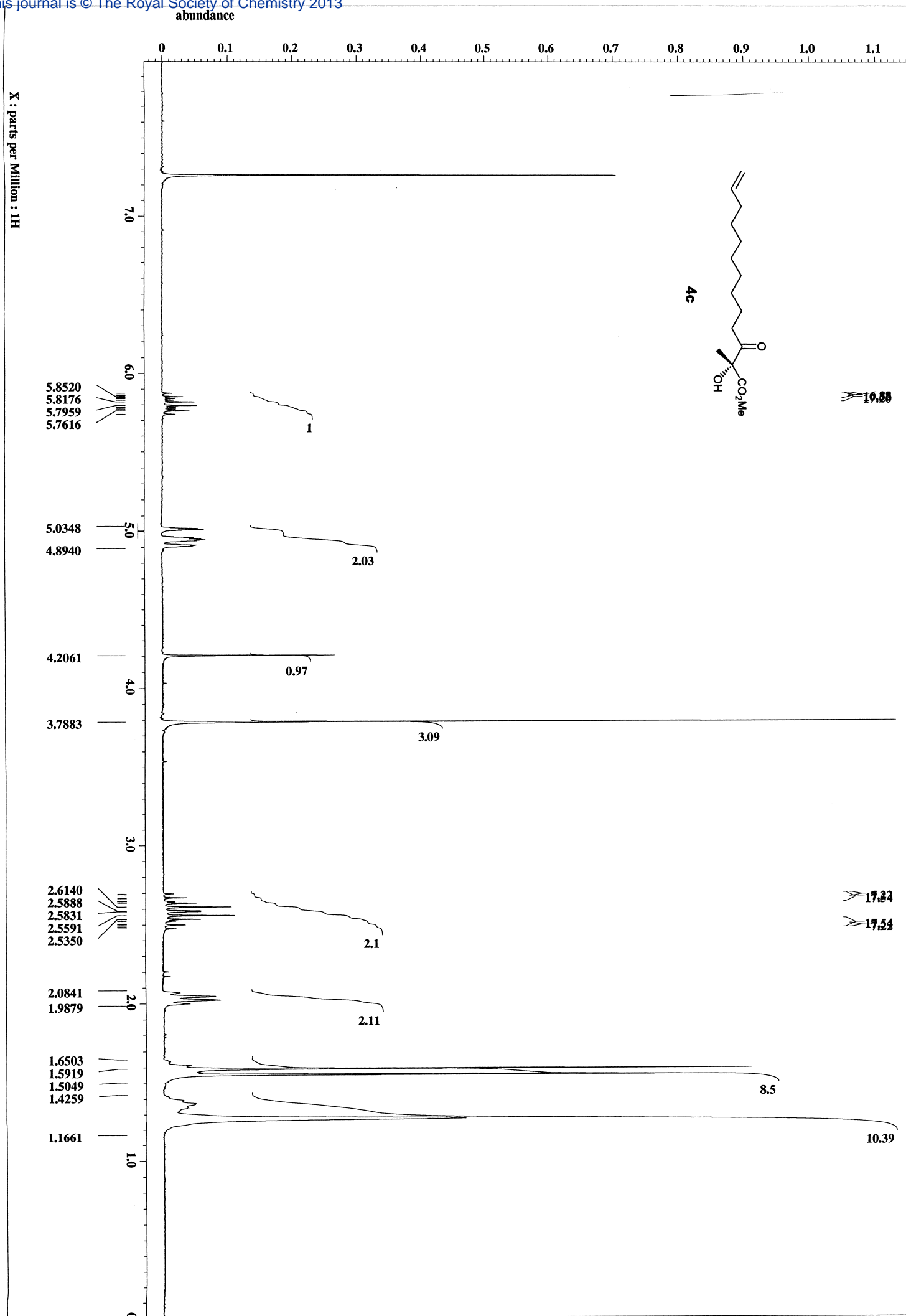
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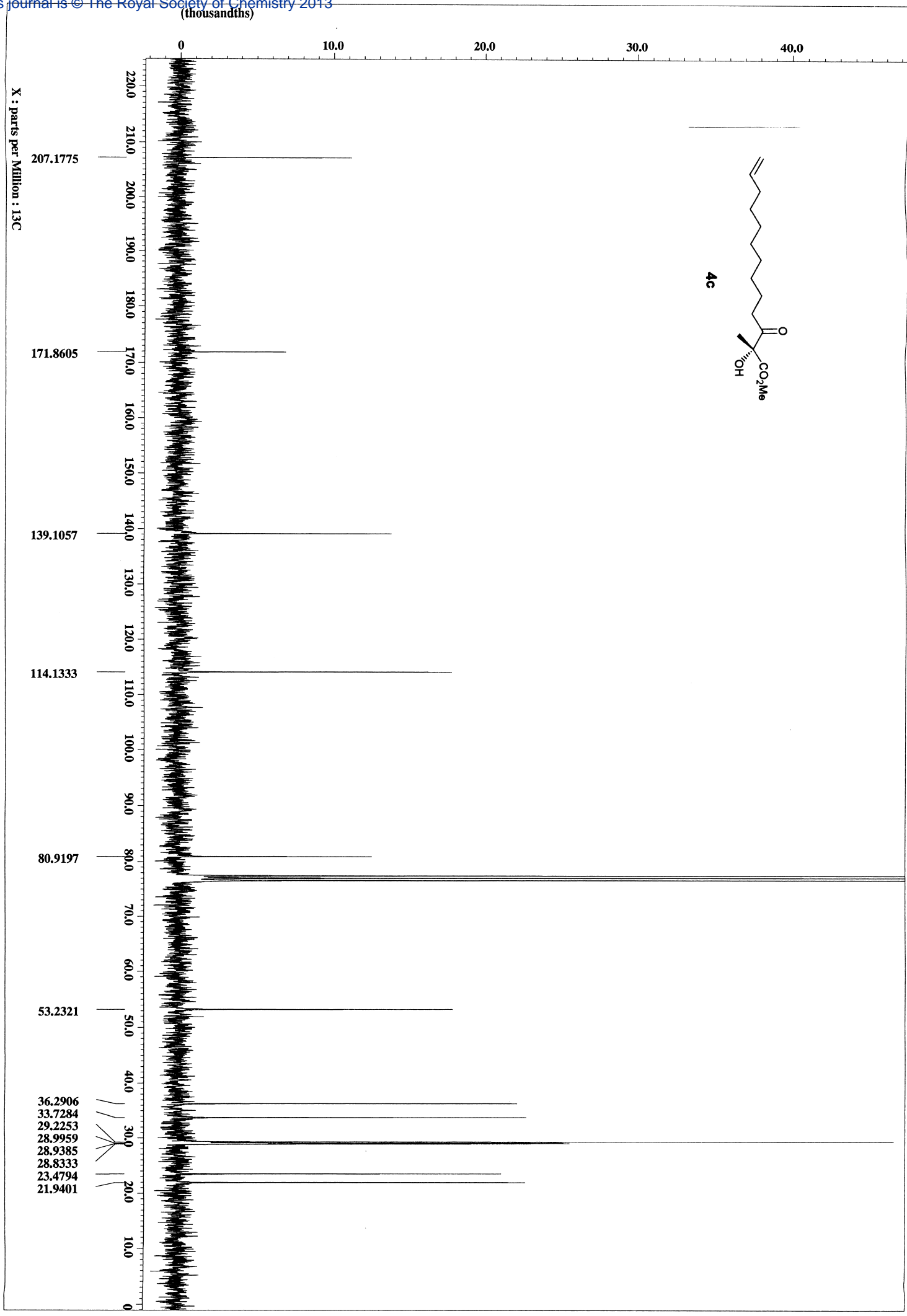


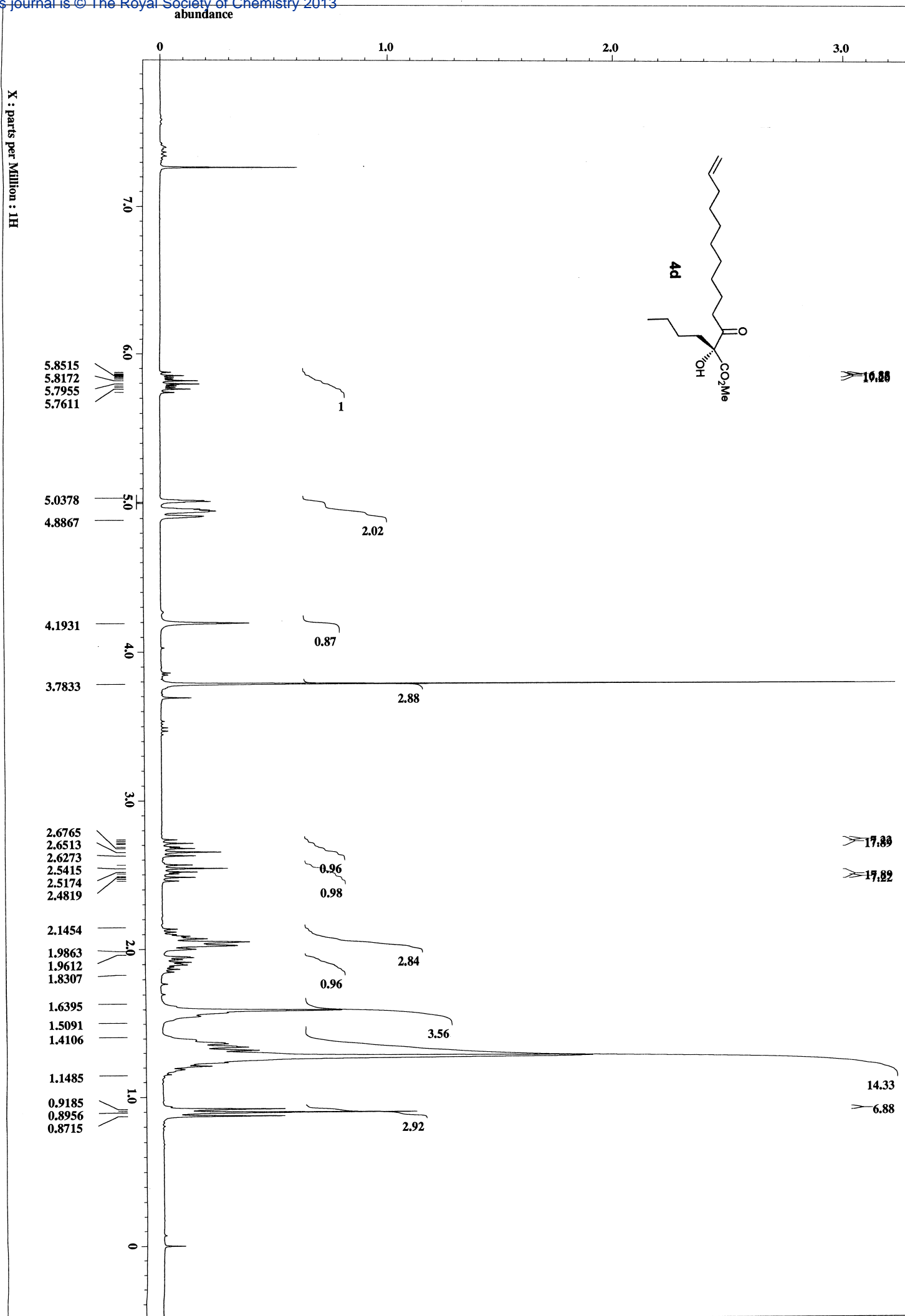


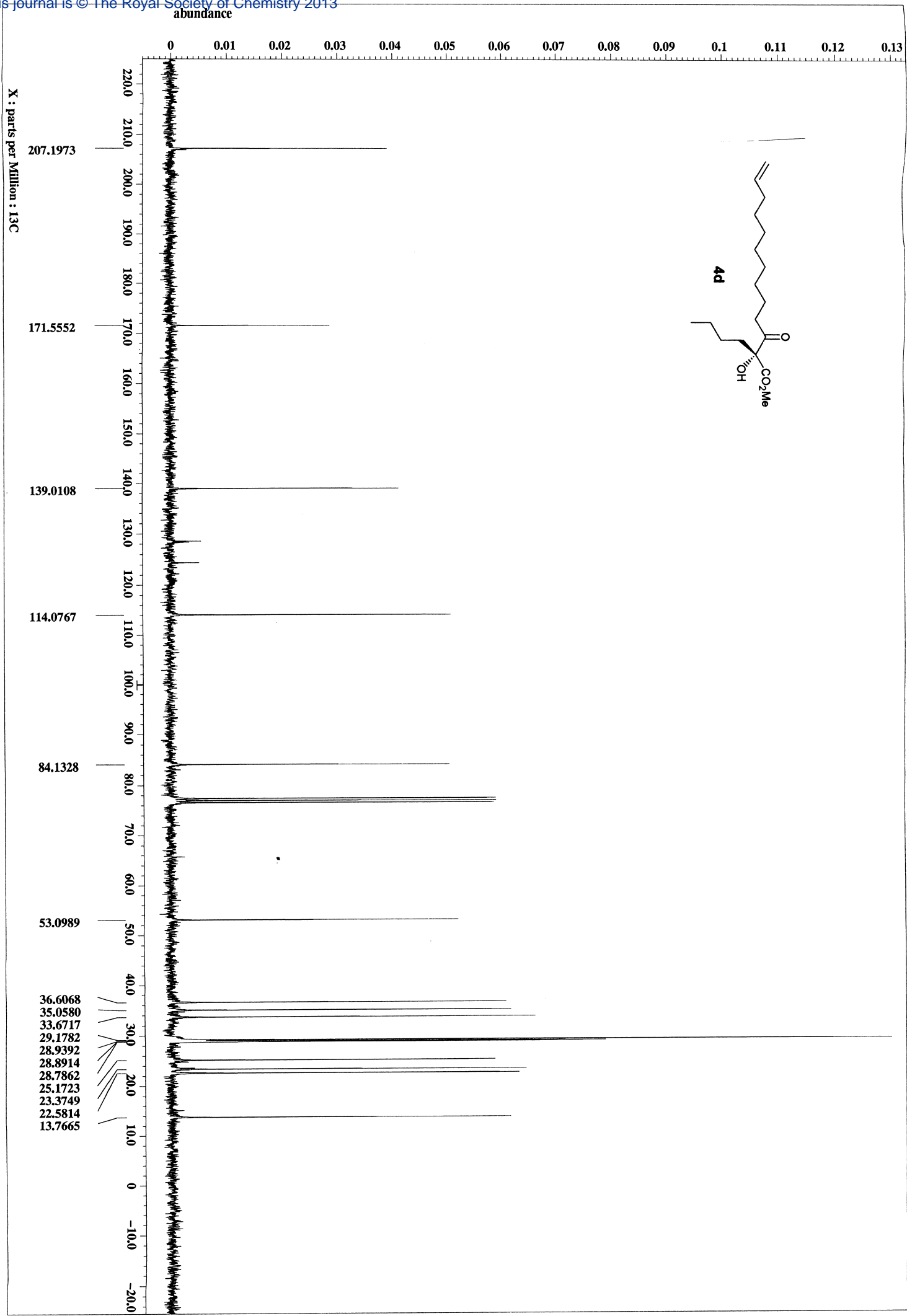




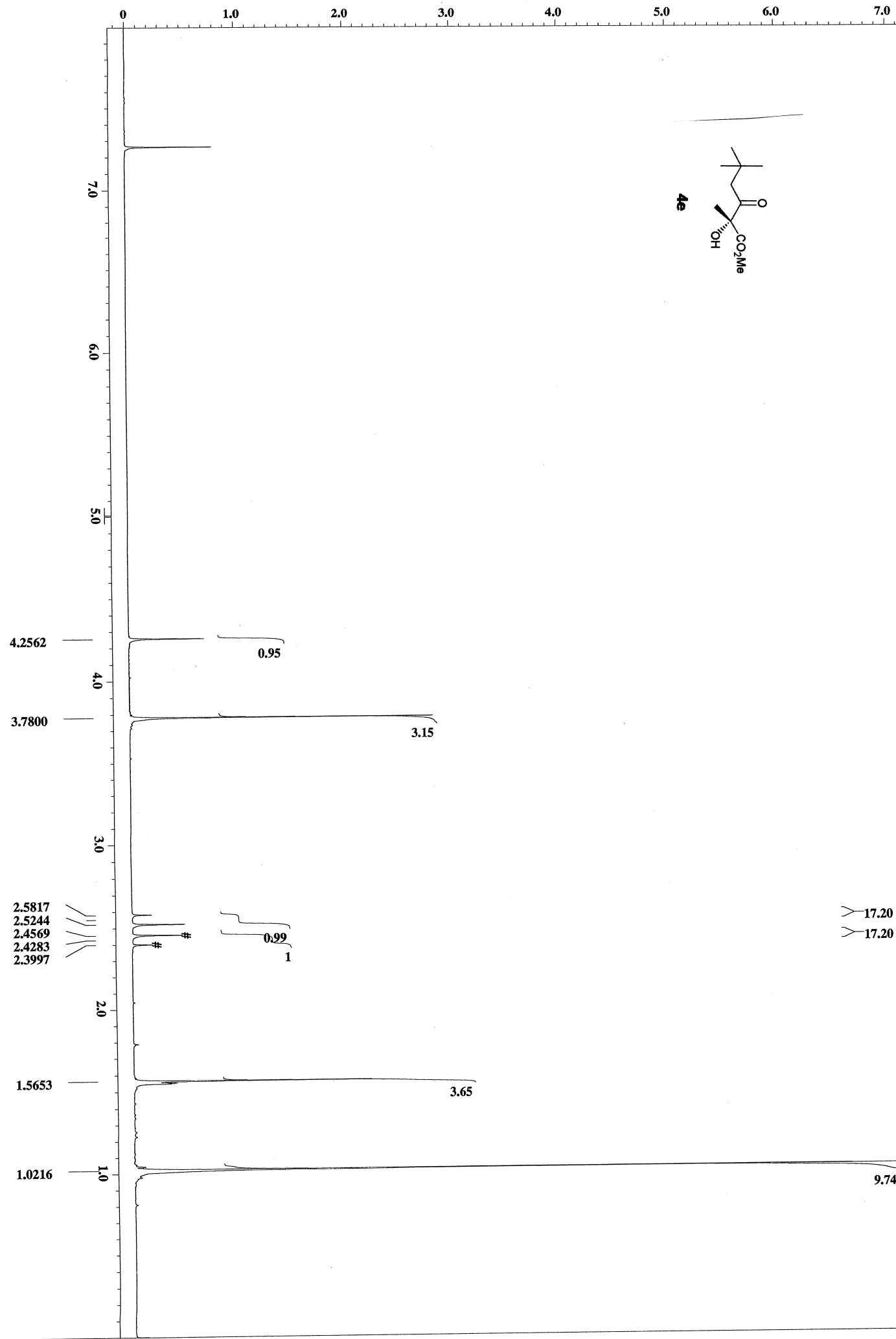


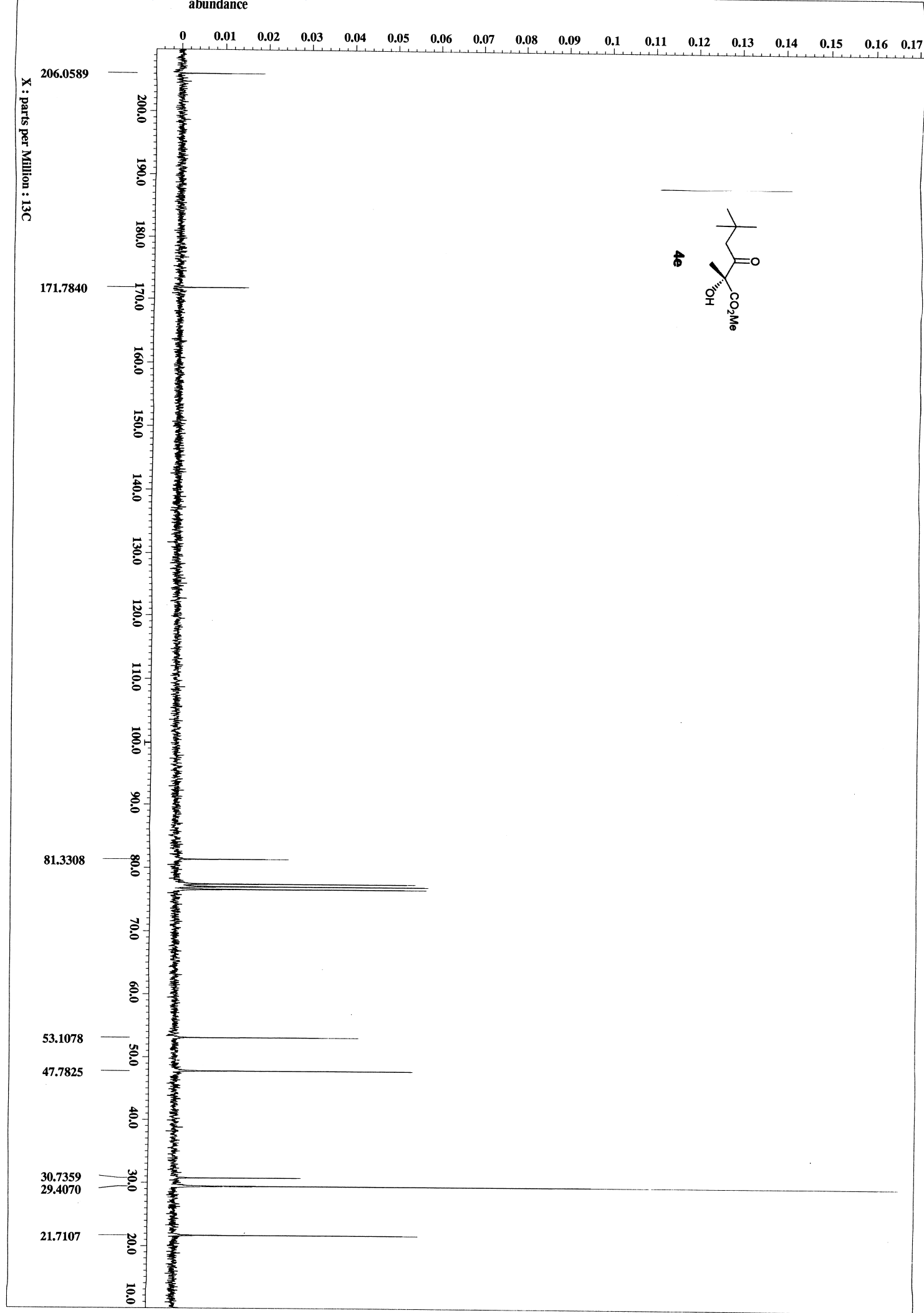




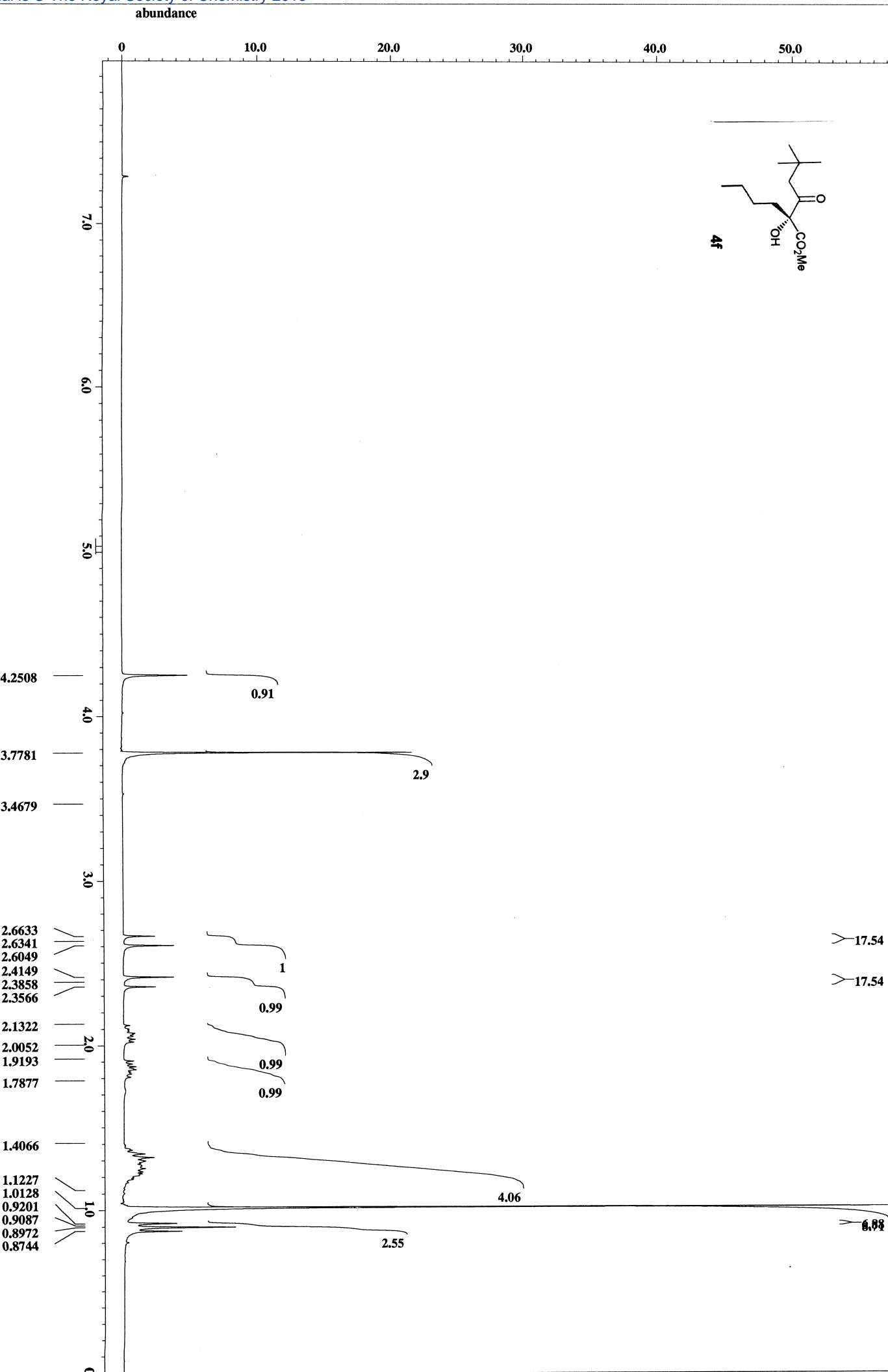


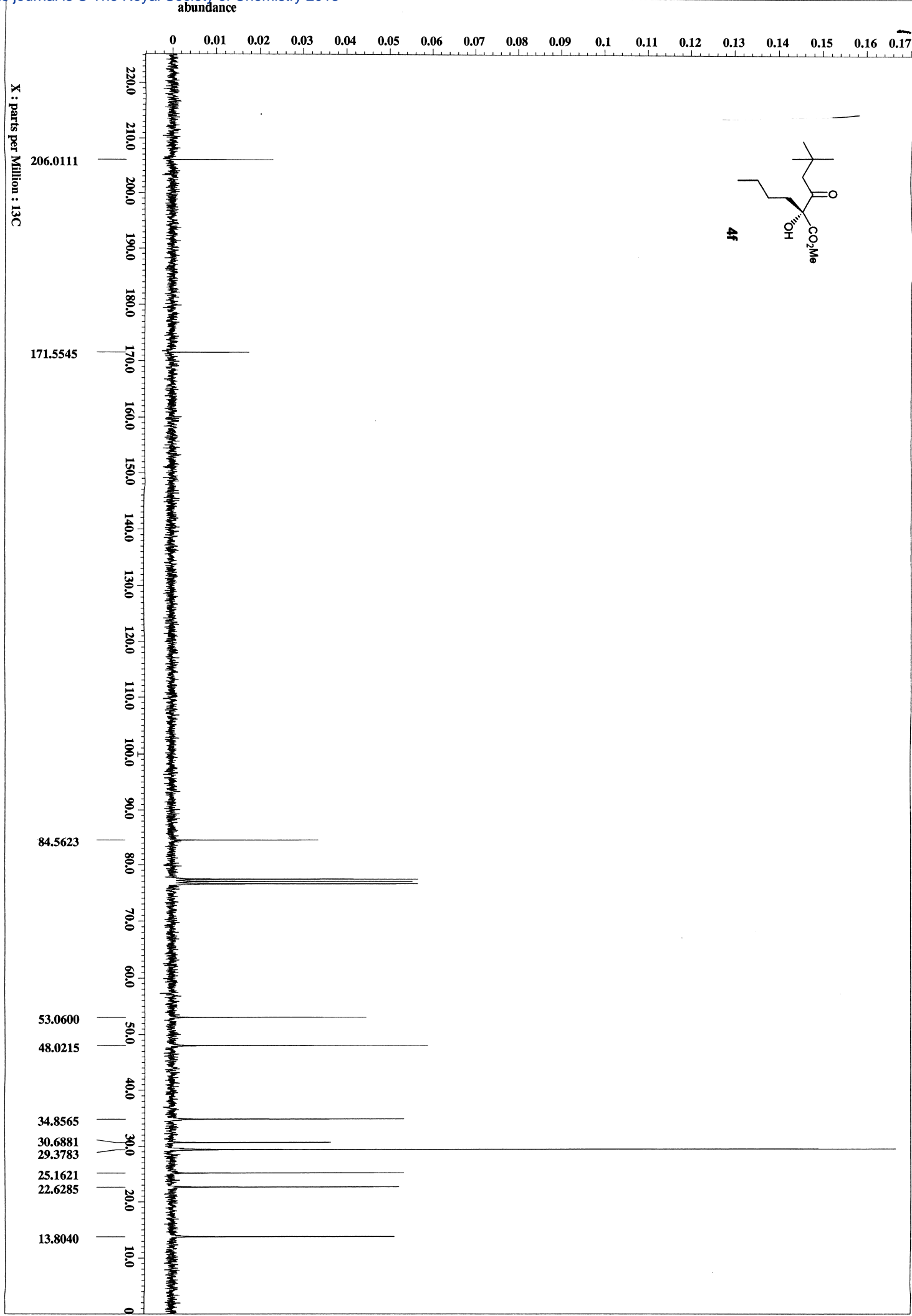
X : parts per Million : 1H



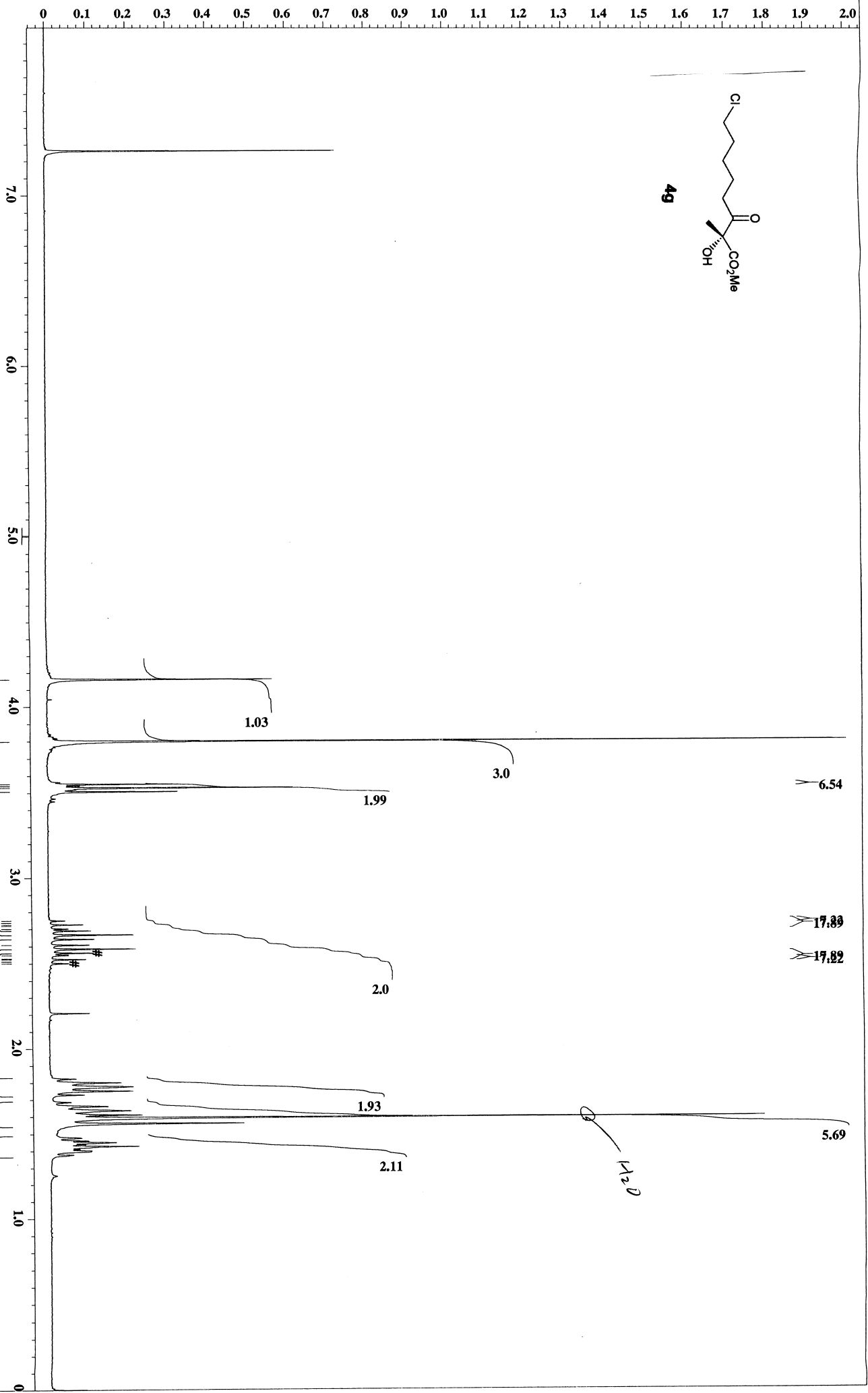


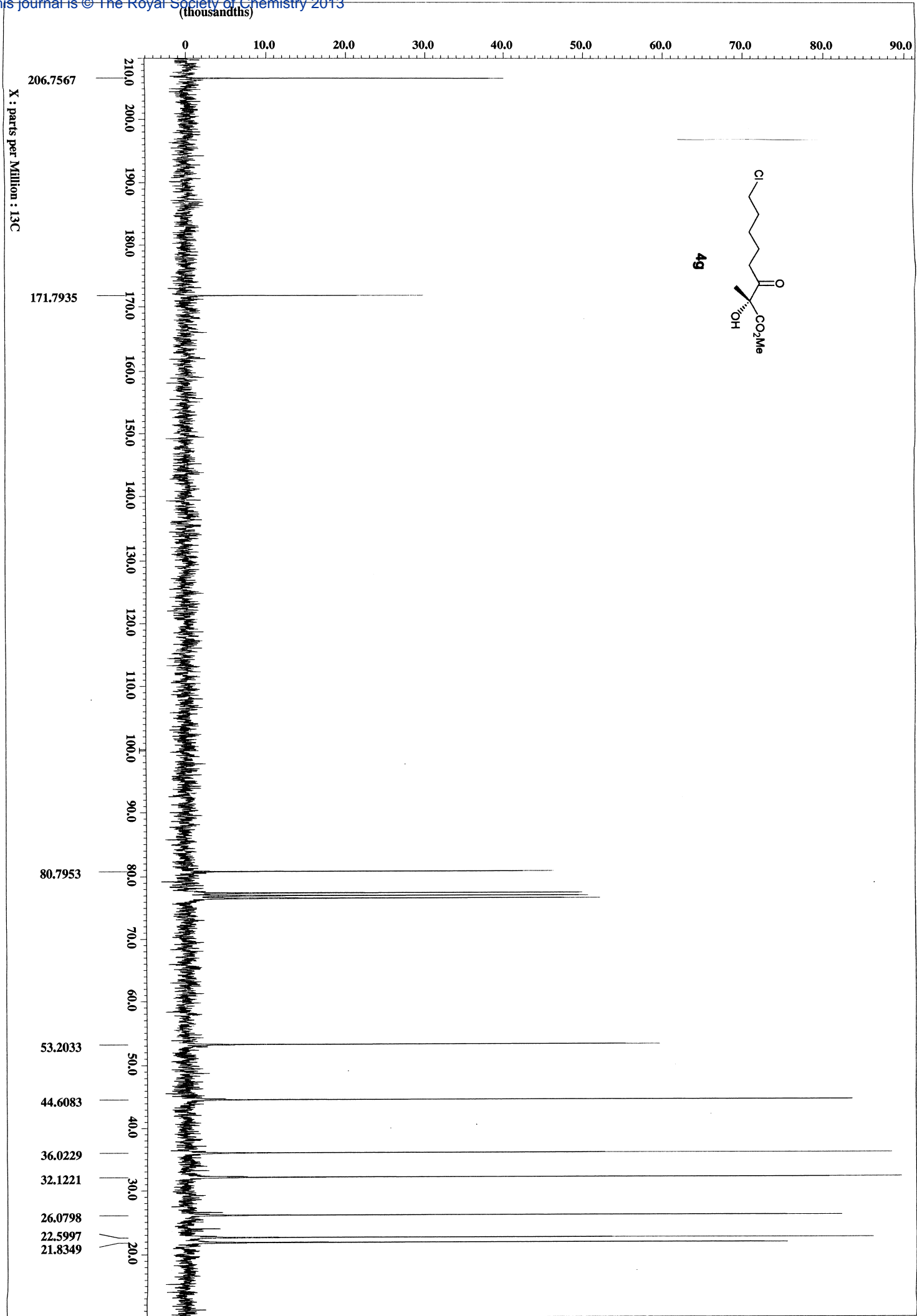
X : parts per Million : 1H

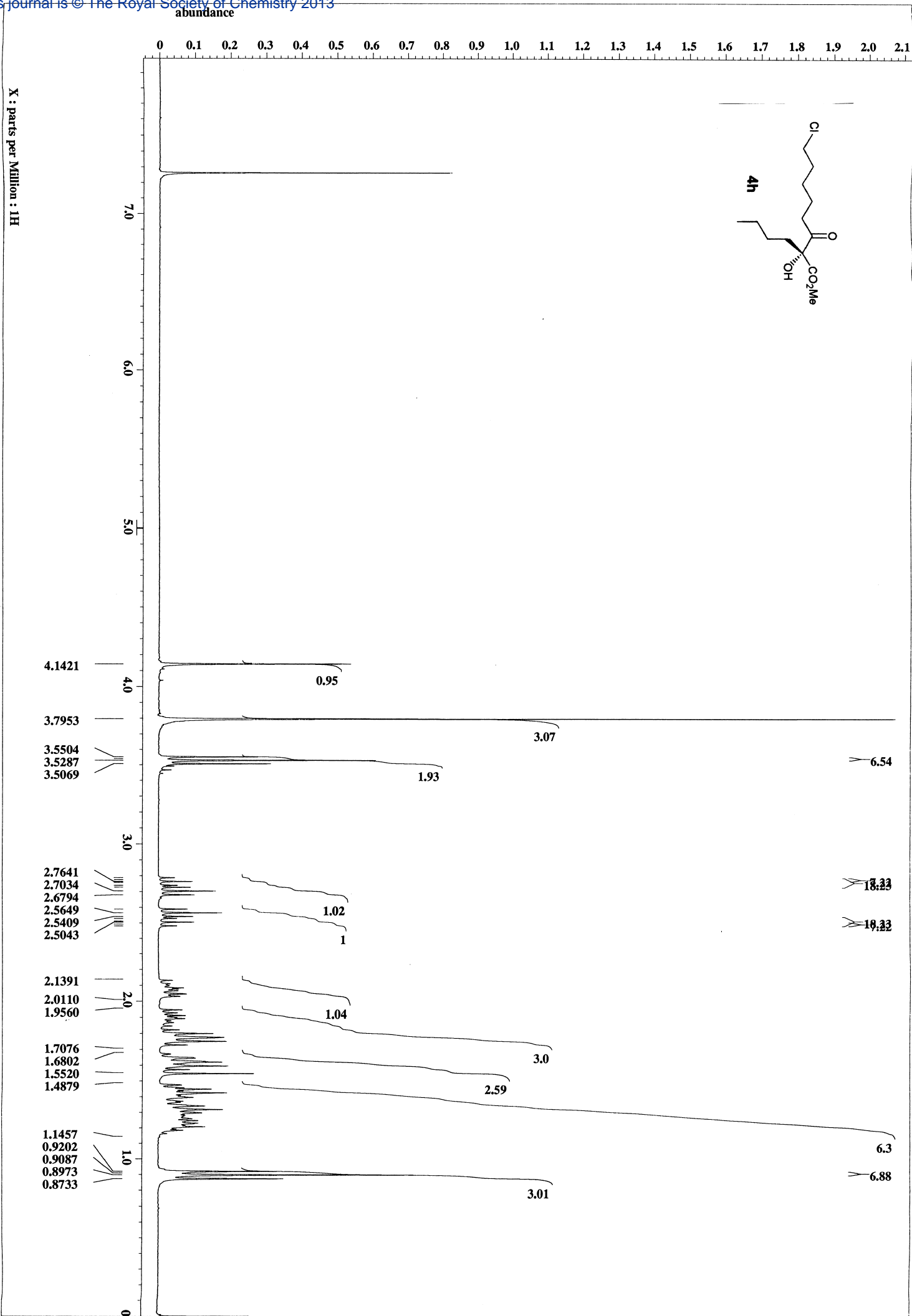




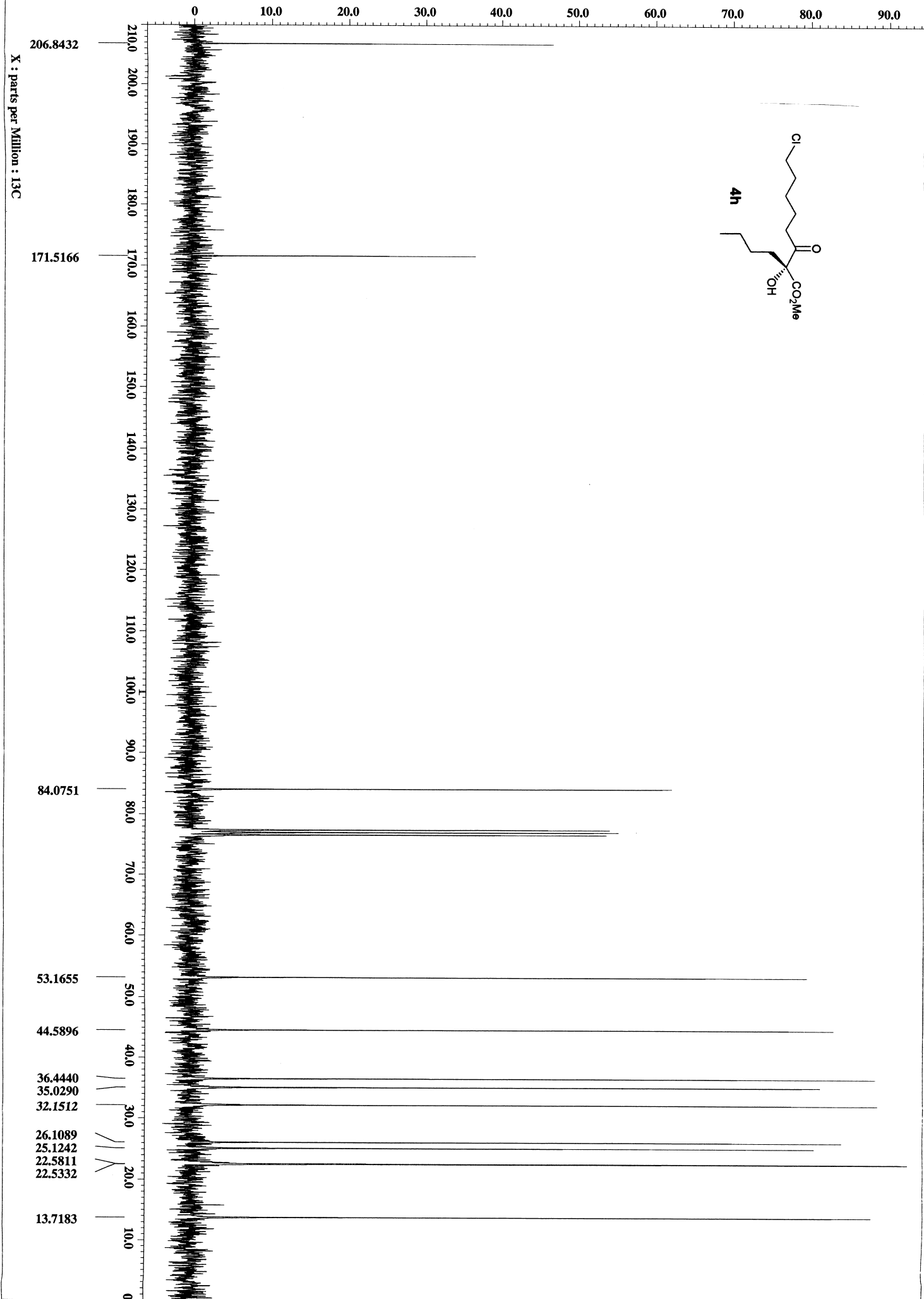
X : parts per Million : 1H

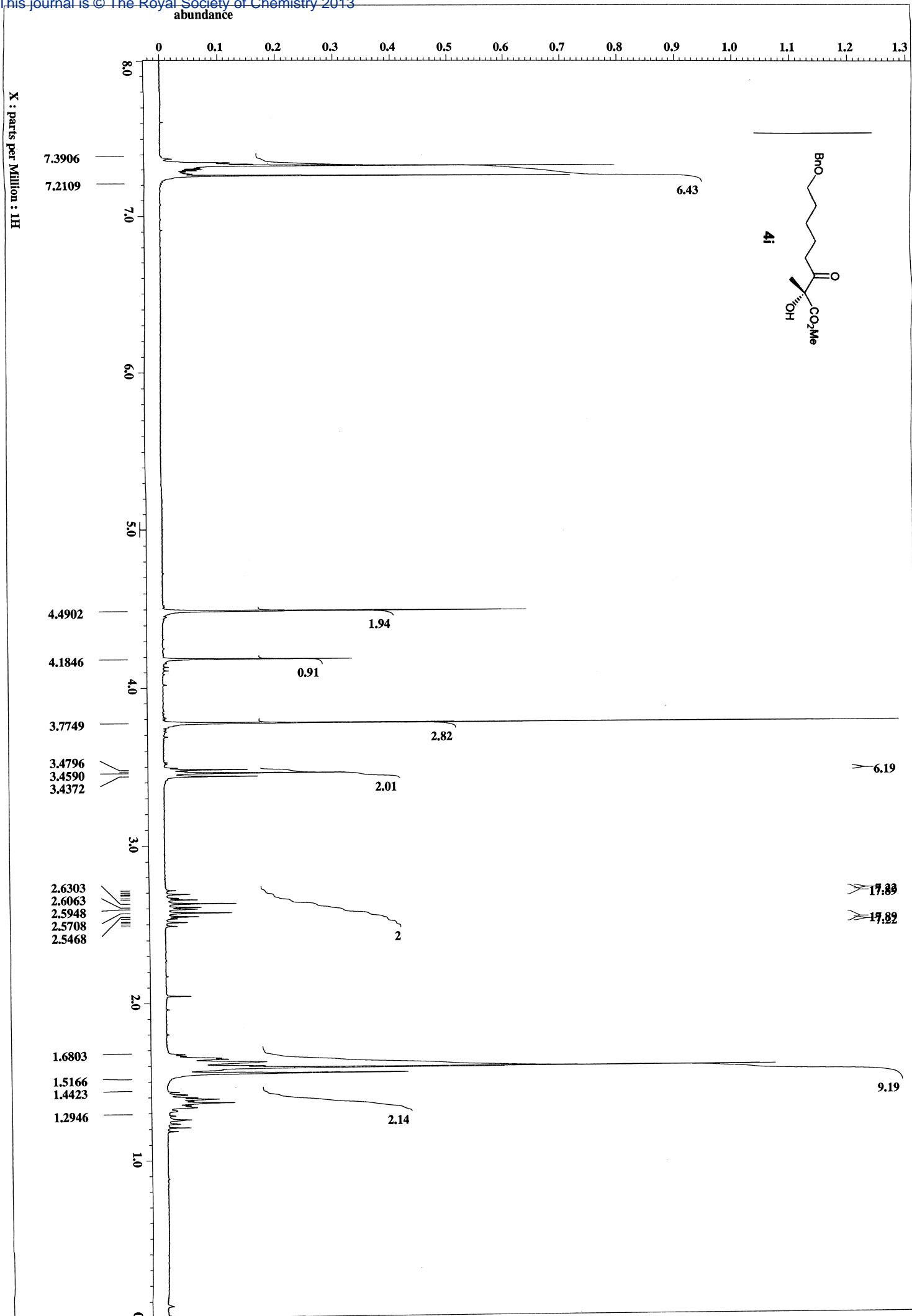


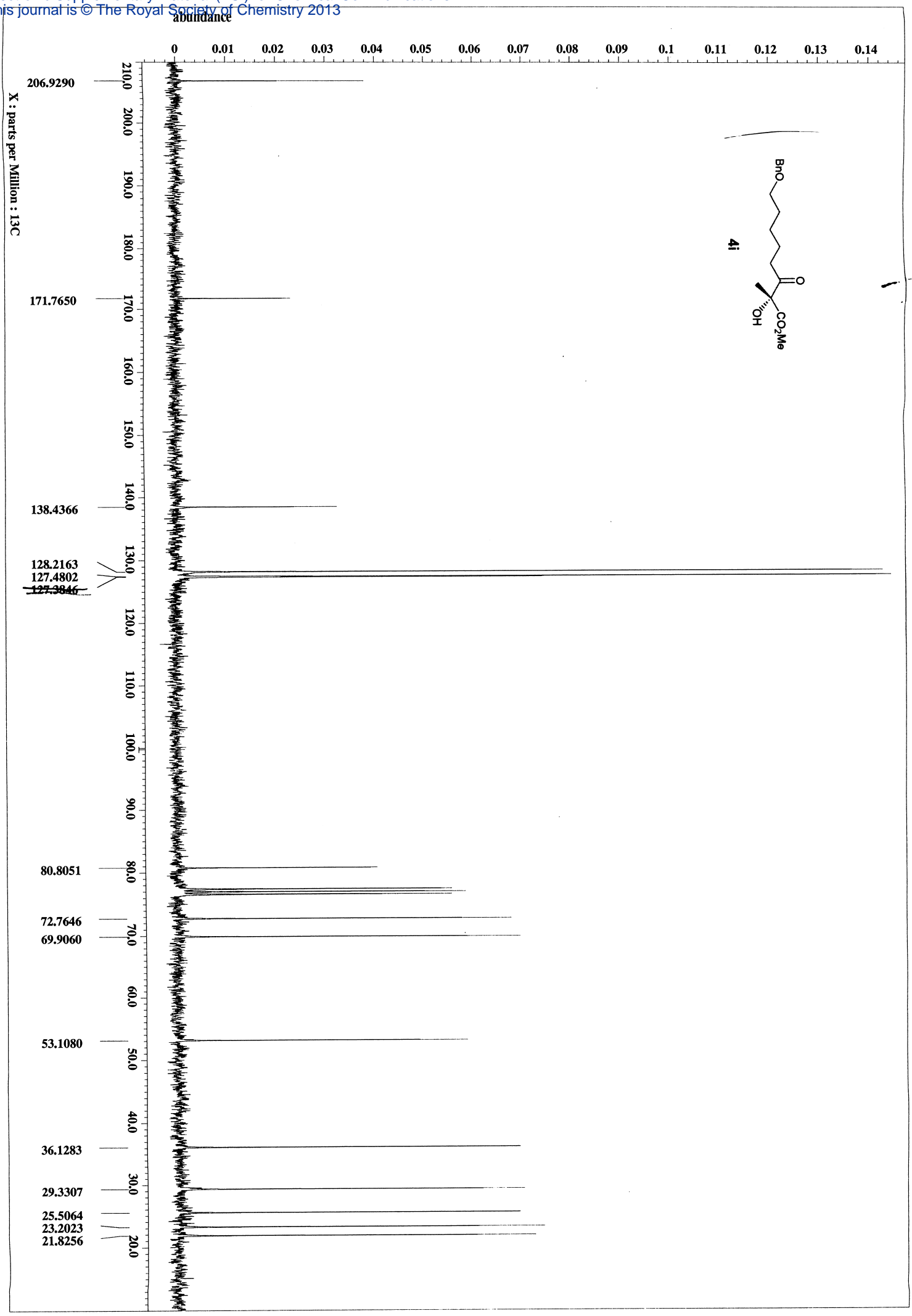


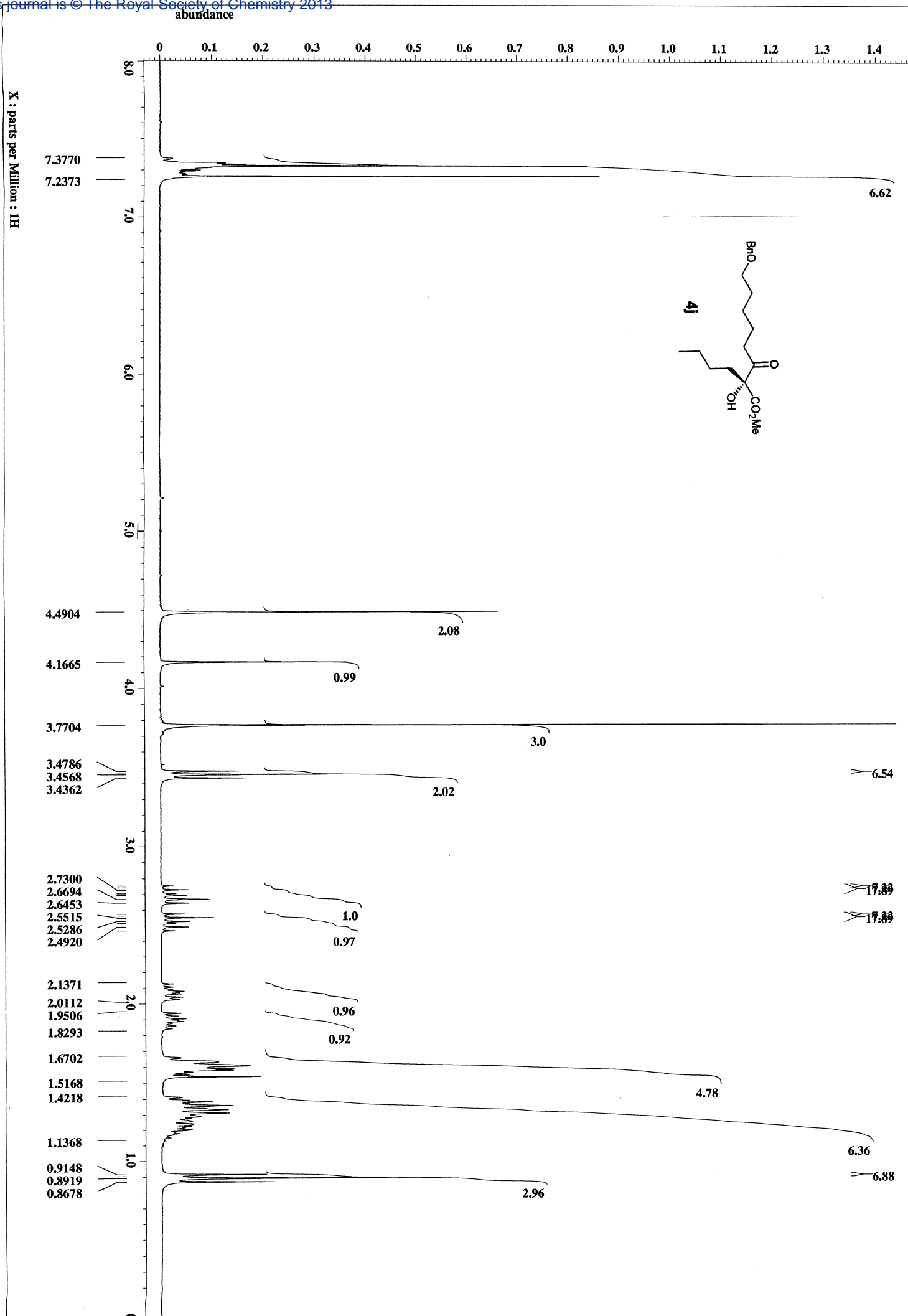


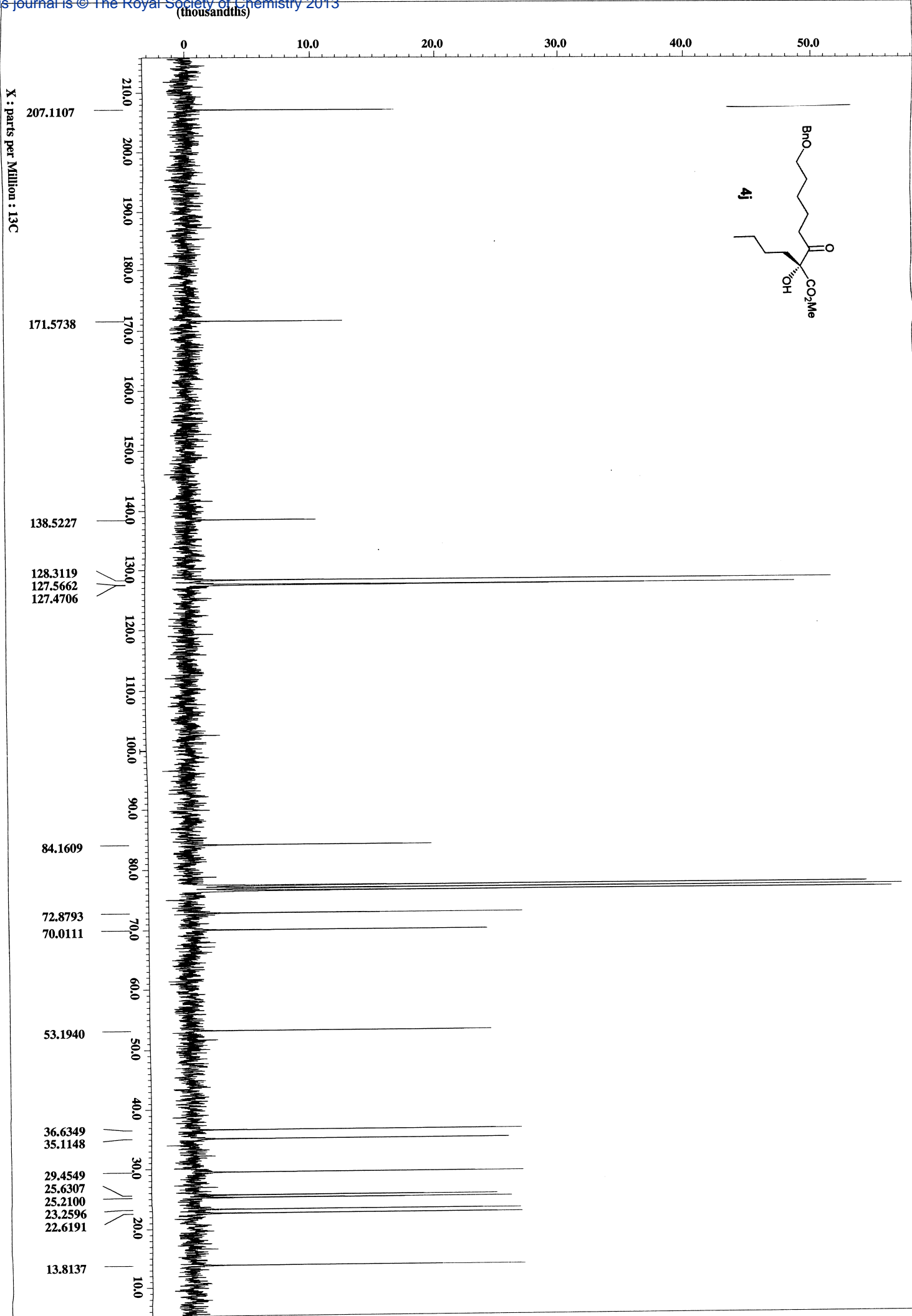
(thousandths)

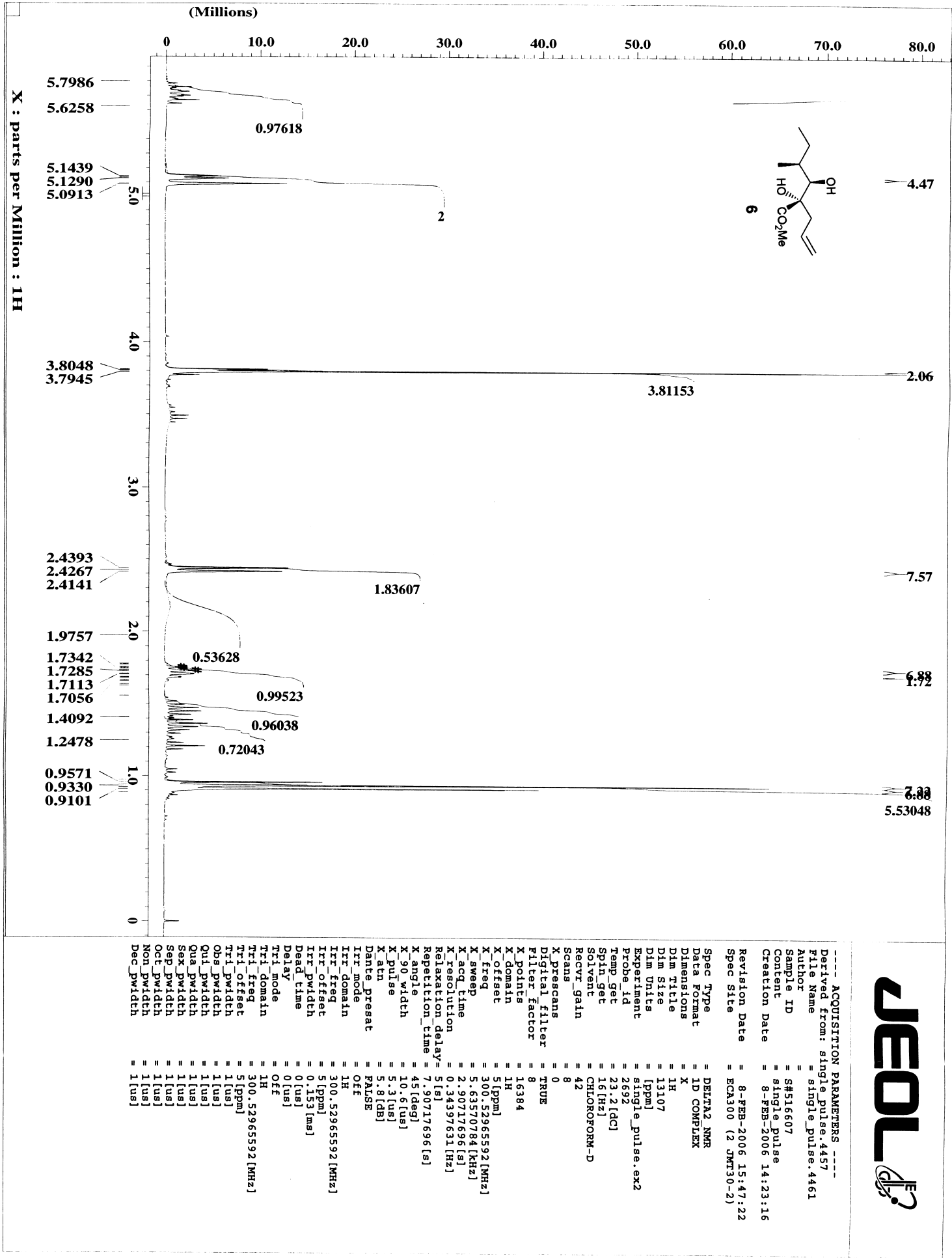


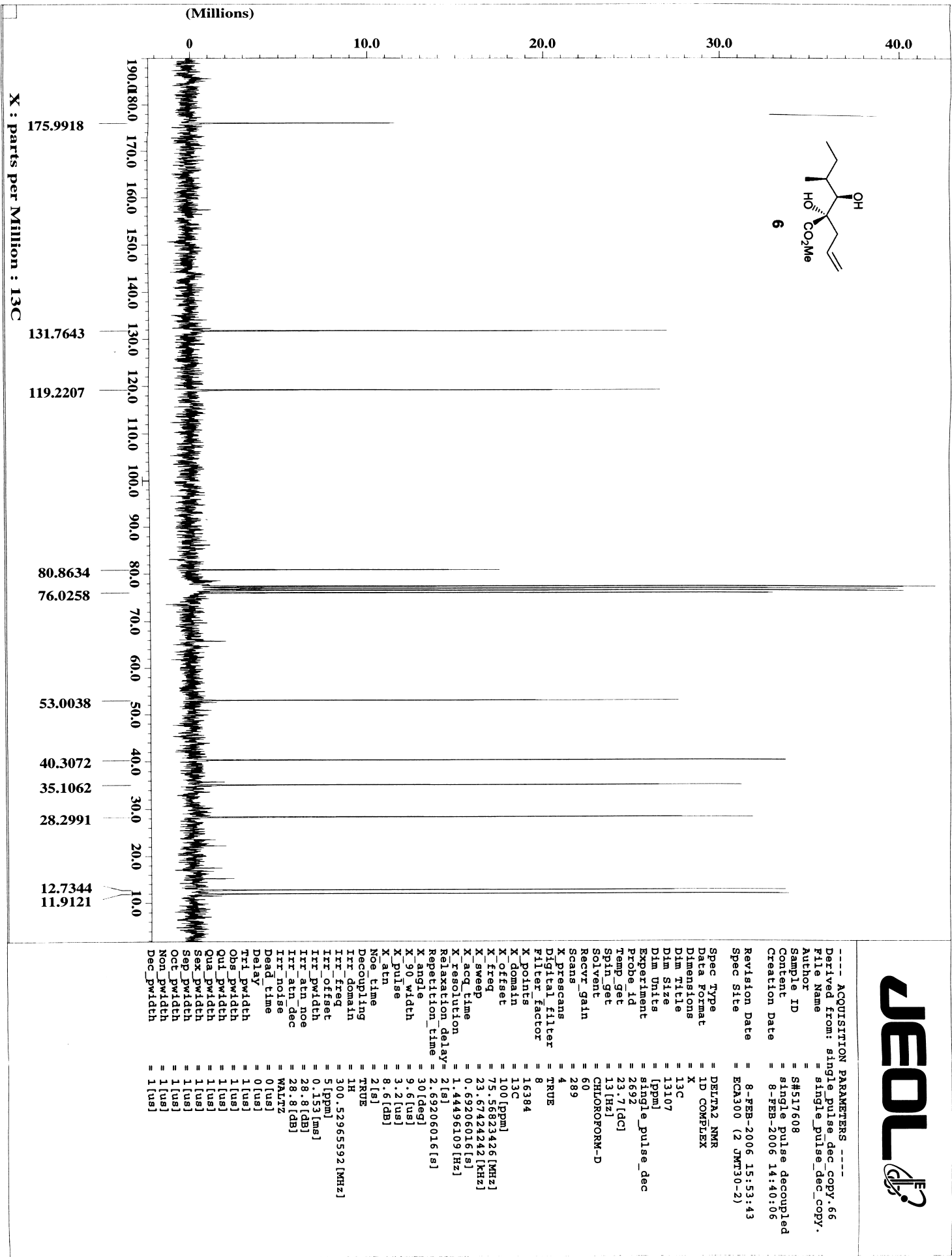


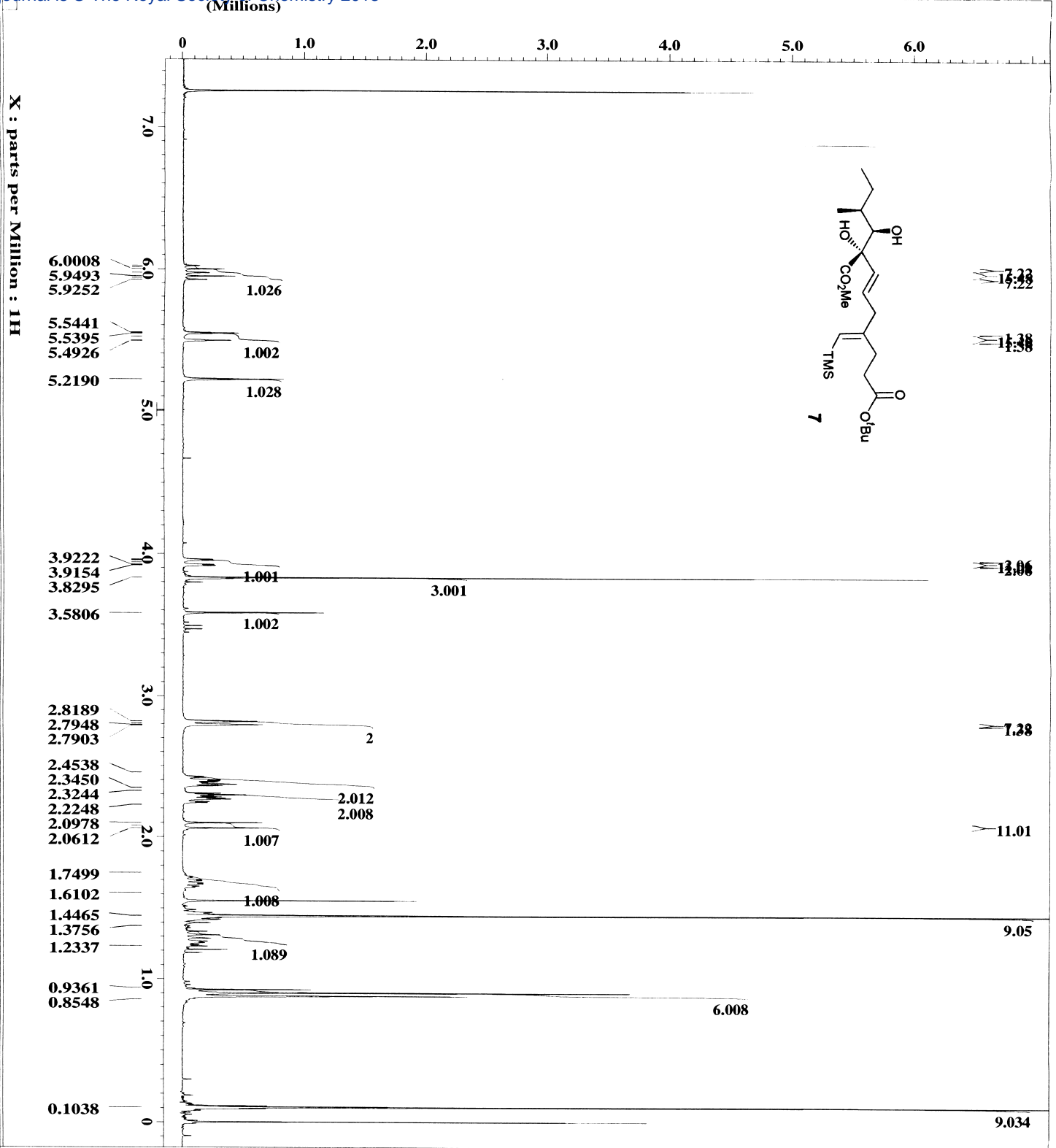




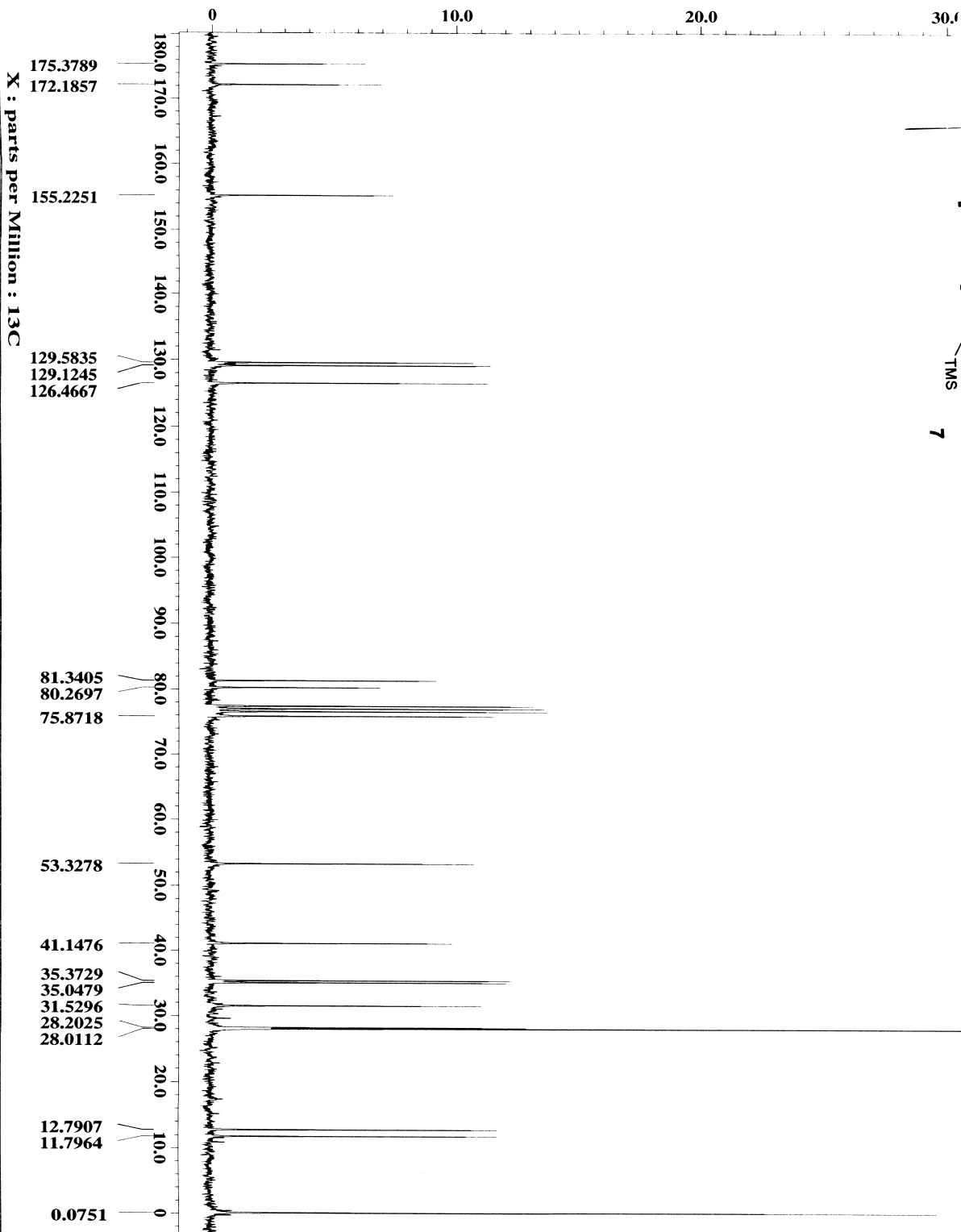
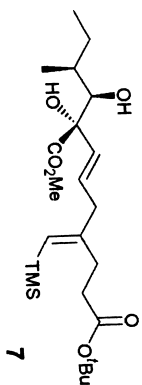




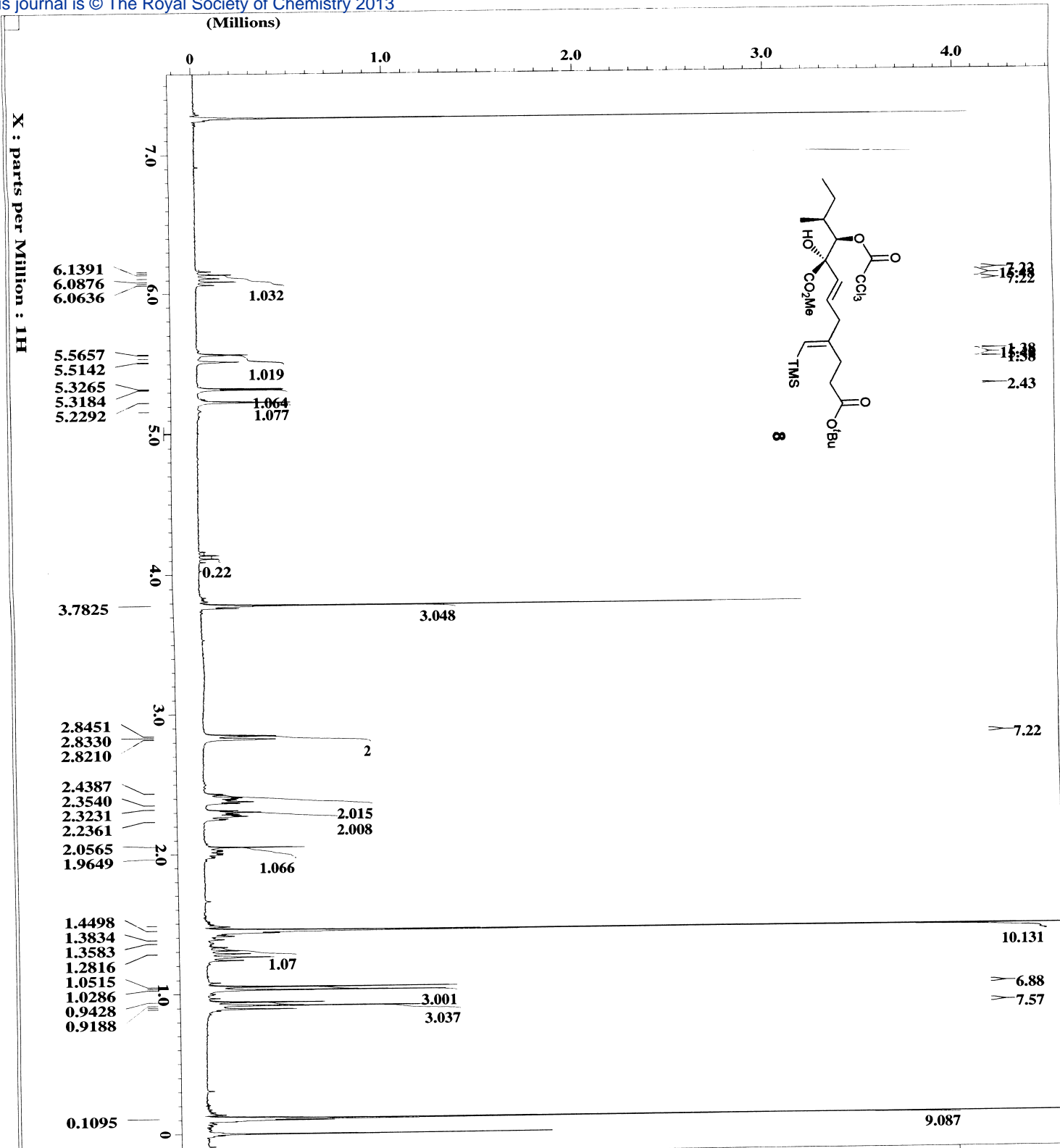




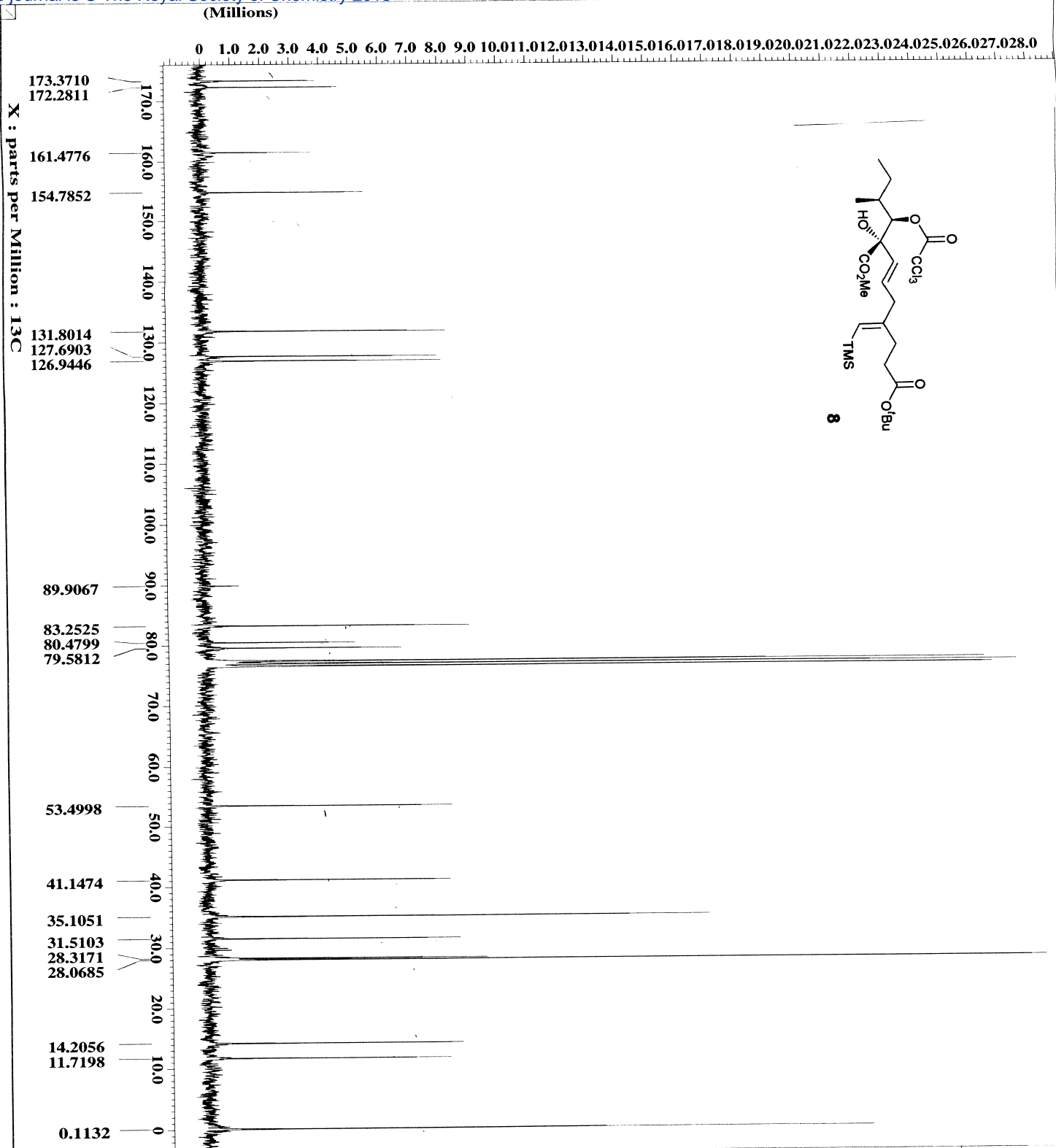
----- ACQUISITION PARAMETERS -----
Derived from: single_pulse.7366
File Name = single_pulse.7370
Author = delta
Sample ID = YO-866
Content = single_pulse
Creation Date = 26-OCT-2007 16:20:10
Revision Date = 26-OCT-2007 16:30:06
Spec Site = ECA300 (2 JMT30-2)
Spec Type = DELTA2 NMR
Data Format = 1D COMPLEX
Dimensions = 1H
Dim Title = 1H
Dim Size = 13107
Dim Units = [ppm]
Field_strength = 7.0586013 [T] (300 [MHz]
X_acq_duration = 2.90717696 [s]
X_domain = 1H
X_freq = 300.52965592 [MHz]
X_offset = 5 [ppm]
X_points = 16384
X_prescans = 0
X_resolution = 0.34397631 [Hz]
X_sweep = 5.63570784 [kHz]
X_domain = 1H
Xir_freq = 300.52965592 [MHz]
Xir_offset = 5 [ppm]
Xir_domain = 1H
Xir_freq = 300.52965592 [MHz]
Xir_offset = 5 [ppm]
Mod_return = 1
Scans = 8
Total_scans = 8
X_90_width = 10.6 [us]
X_acq_time = 2.90717696 [s]
X_angle = 45 [deg]
X_atn = 5.8 [dB]
X_pulse = 5.3 [us]
Xir_mode = Off
Xir_mode = Off
Dante_presat = FALSE
Initial_wait = 1 [s]
Relaxation_delay = 5 [s]
Repetition_time = 7.90717696 [s]



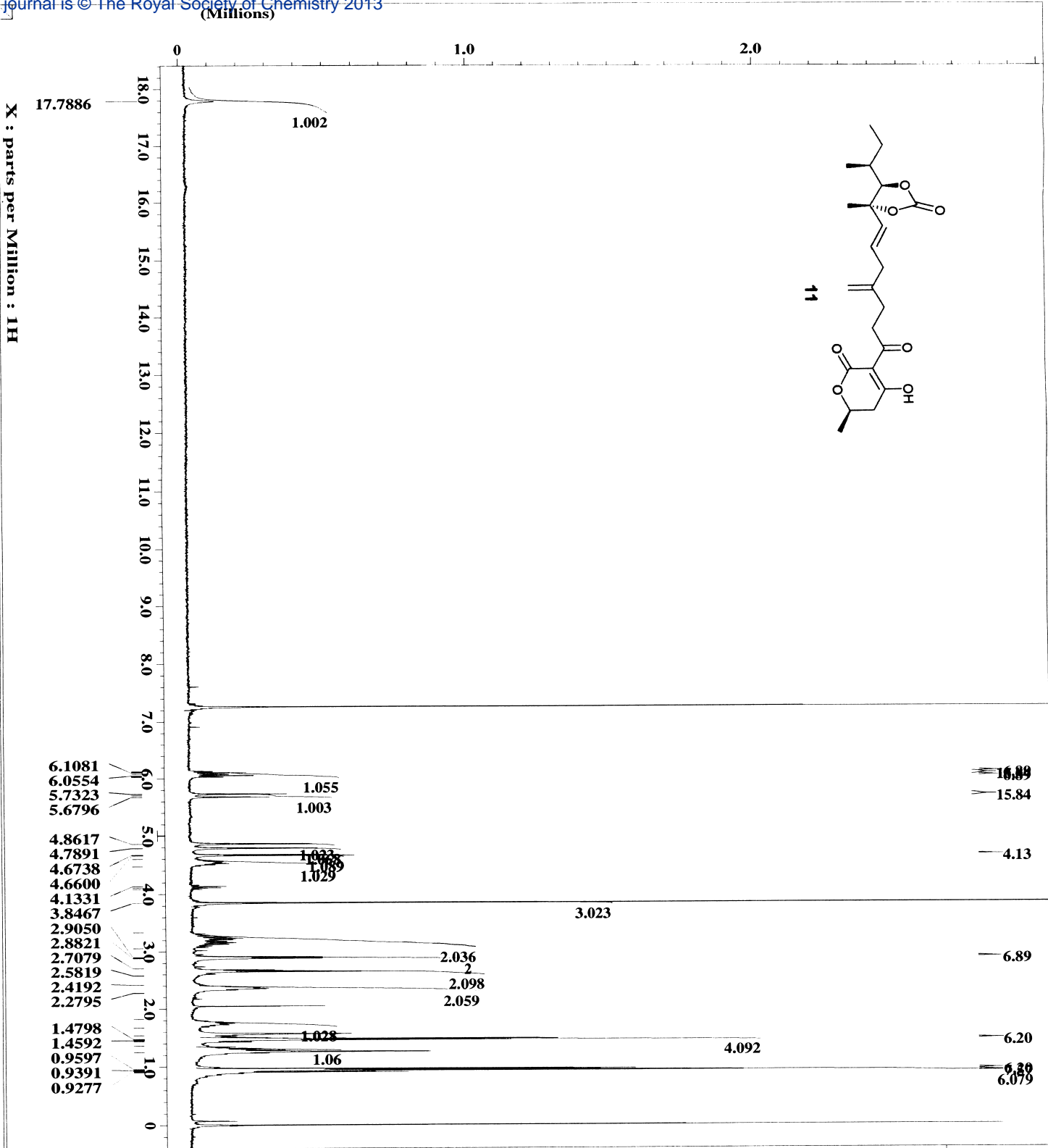
----- ACQUISITION PARAMETERS -----
 File Name = single_pulse_dec.318
 Author = delta
 Sample ID = VO-866
 Content = single pulse decouple
 Creation Date = 26-OCT-2007 16:40:03
 Revision Date = 26-OCT-2007 16:34:40
 Spec Site = ECA300 (2 JMT30-2)
 Spec Type = DELTA2 NMR
 Data Format = 1D COMPLEX
 Dimensions = X
 Dim Title = 13C
 Dim Size = 13107
 Dim Units = [ppm]
 Field strength = 7.0586013 [T] (300 [MHz]
 X_acq_duration = 0.69206016 [s]
 X_domain = 13C
 X_freq = 75.56823426 [MHz]
 X_offset = 100 [ppm]
 X_points = 16384
 X_prescans = 4
 X_resolution = 1.44496109 [Hz]
 X_sweep = 23.67424242 [kHz]
 Irr_domain = 1H
 Irr_freq = 300.52965592 [MHz]
 Irr_offset = 5 [ppm]
 Mod_return = 1
 Scans = 361
 Total_scans = 361
 X_90_width = 9.4 [us]
 X_acq_time = 0.69206016 [s]
 X_angle = 30 [deg]
 X_atn = 8.6 [dB]
 X_pulse = 3.13333333 [us]
 Irr_atn_dec = 29.7 [dB]
 Irr_atn_noe = 29.7 [dB]
 Irr_noise = TRUE
 Decoupling = WALTZ
 Initial_wait = 1 [s]
 Noe = TRUE
 Noe_time = 2 [s]
 Relaxation_delay = 2 [s]
 Repetition_time = 2.69206016 [s]



----- ACQUISITION PARAMETERS -----
Derived from: YO-945 crd1 1H.2
File Name = YO-945 crd1 1H.3
Author = delta
Sample ID = YO-945 CRD
Content = single pulse
Creation Date = 7-JAN-2008 15:34:52
Revision Date = 7-JAN-2008 16:11:02
Spec Site = ECA300 (2 JMT30-2)
Spec Type = DELTA2 NMR
Data Format = 1D COMPLEX
Dimensions = X
Dim Title = 1H
Dim Size = 13107
Dim Units = [ppm]
Field strength = 7.0586013 [T] (300 [MHz]
X_acq_duration = 2.90717696 [s]
X_domain = 1H
X_freq = 300.52965592 [MHz]
X_offset = 5 [ppm]
X_points = 16384
X_prescans = 0
X_resolution = 0.34397631 [Hz]
X_sweep = 5.63570784 [kHz]
Irr_domain = 1H
Irr_freq = 300.52965592 [MHz]
Irr_offset = 5 [ppm]
Tri_domain = 1H
Tri_freq = 300.52965592 [MHz]
Tri_offset = 5 [ppm]
Mod_return = 1
Scans = 8
Total_scans = 8
X_90_width = 10.6 [us]
X_acq_time = 2.90717696 [s]
X_angle = 45 [deg]
X_atn = 5.8 [dB]
X_atn = 5.3 [us]
X_pulse = Off
Irr_mode = Off
Dante_presat = FALSE
Initial_wait = 1 [s]
Relaxation_delay = 5 [s]
Repetition_time = 7.90717696 [s]



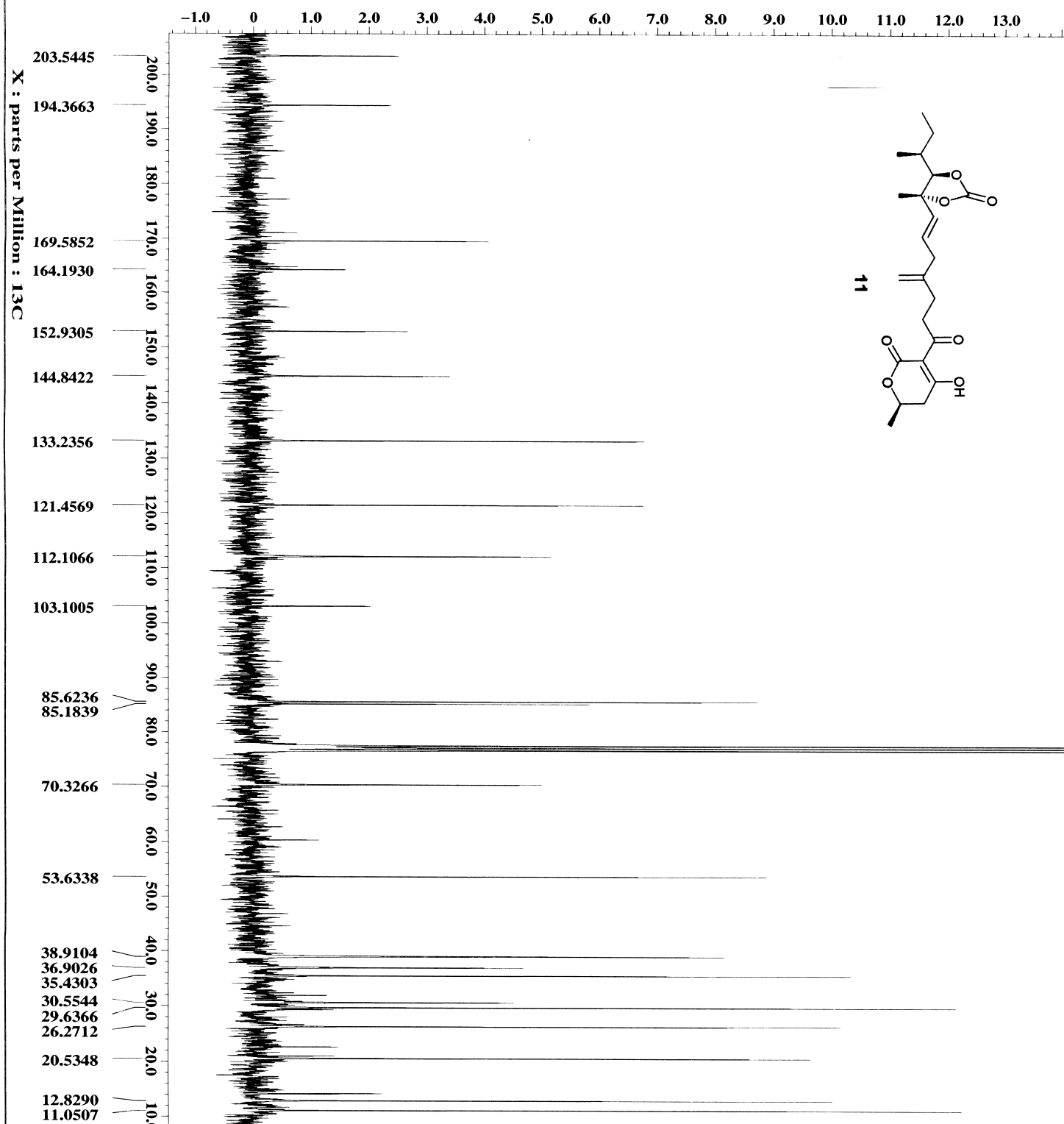
----- ACQUISITION PARAMETERS -----
File Name = single_pulse_dec.111
Author = delta
Sample ID = YO-945
Content = single pulse decouple
Creation Date = 7-JAN-2008 16:31:52
Revision Date = 7-JAN-2008 16:26:21
Spec Site = ECA300 (2 JMT30-2)
Spec Type = DELTA2 NMR
Data Format = 1D COMPLEX
Dimensions = X
Dim Title = 13C
Dim Size = 13107
Dim Units = [ppm]
Field strength = 7.0586013 [T] (300 [MHz]
X acq_duration = 0.69206016 [s]
X_domain = 13C
X_freq = 75.56823426 [MHz]
X_offset = 100.1 [ppm]
X_points = 16384
X_prescans = 4
X_resolution = 1.44496109 [Hz]
X_sweep = 23.67424242 [kHz]
Irr_domain = 1H
Irr_freq = 300.52965592 [MHz]
Irr_offset = 5 [ppm]
Mod_return = 1
Scans = 648
Total_scans = 648
X_90_width = 9.4 [us]
X_acq_time = 0.69206016 [s]
X_angle = 30 [deg]
X_atn = 8.6 [dB]
X_pulse = 3.13333333 [us]
Irr_atn_dec = 29.7 [dB]
Irr_atn_noe = 29.7 [dB]
Irr_noise = WALTZ
Decoupling = TRUE
Initial_wait = 1 [s]
Noe = TRUE
Noe_time = 2 [s]
Relaxation_delay = 2 [s]
Repetition_time = 2.69206016 [s]



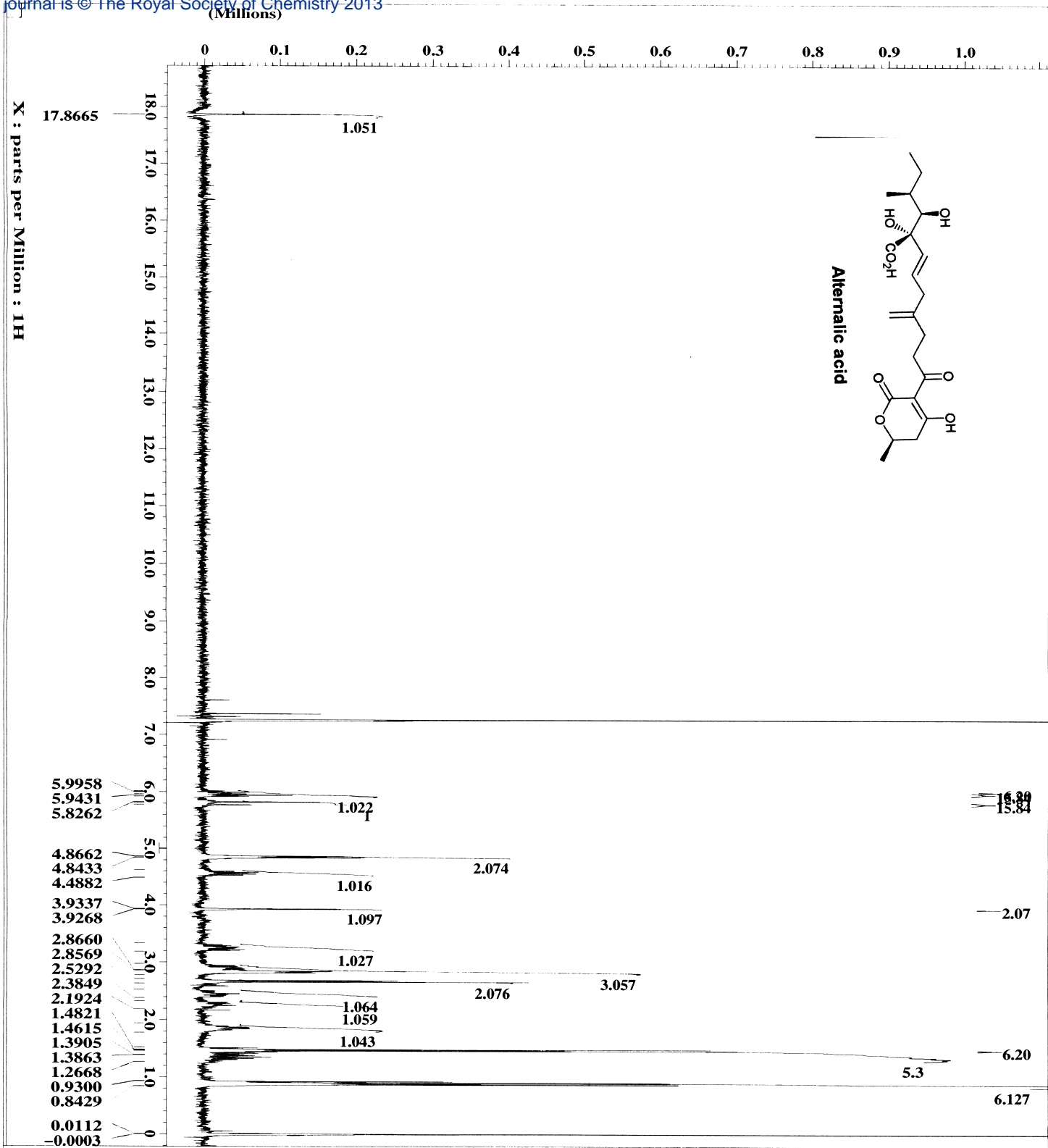
----- ACQUISITION PARAMETERS -----
Derived from: single_pulse.2914
File Name = single_pulse.2918
Author = delta
Sample ID = YO-956
Content = single_pulse
Creation Date = 19-JAN-2008 10:47:06
Revision Date = 19-JAN-2008 10:54:29
Spec Site = ECA300 (2 JMT30-2)

Spec Type = DELTA2 NMR
Data Format = 1D COMPLEX
Dimensions = X
Dim Title = 1H
Dim Size = 13107
Dim Units = [ppm]
Field_strength = 7.0586013 [T] (300 [MHz]
X_acq_duration = 1.4522776 [s]
X_domain = 1H
X_freq = 300.52965592 [MHz]
X_offset = 5 [ppm]
X_points = 16384
X_prescans = 0
X_resolution = 0.68857351 [Hz]
X_sweep = 11.28158845 [kHz]
Xir_domain = 1H
Xir_freq = 300.52965592 [MHz]
Xir_offset = 5 [ppm]
Xir_domain = 1H
Xir_freq = 300.52965592 [MHz]
Xir_offset = 5 [ppm]
Mod_return = 1
Scans = 8
Total_scans = 8

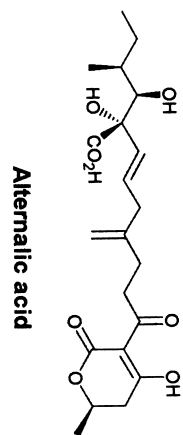
X_90_width = 11.6 [us]
X_acq_time = 1.4522776 [s]
X_angle = 45 [deg]
X_atn = 5.8 [dB]
X_pulse = 5.8 [us]
Xir_mode = Off
Xir_mode = PALSE
Dante_presat = 1 [s]
Initial_wait = 5 [s]
Relaxation_delay = 6.4522776 [s]
Repetition_time = 6.4522776 [s]



----- ACQUISITION PARAMETERS -----
File Name = single_pulse_dec.172
Author = delta
Sample ID = YO-956
Content = single pulse decouple
Creation Date = 19-JAN-2008 21:52:25
Revision Date = 19-JAN-2008 21:47:33
Spec Site = ECA300 (2 JMT30-2)
Spec Type = DELTA2 NMR
Data Format = 1D COMPLEX
Dimensions = X
Dim Title = 13C
Dim Size = 13107
Dim Units = [ppm]
Field strength = 7.0586013 [T] (300 [MHz]
X_acq_duration = 0.69206016 [s]
X_domain = 13C
X_freq = 75.56823426 [MHz]
X_offset = 100 [ppm]
X_points = 16384
X_prescans = 4
X_resolution = 1.44496109 [Hz]
X_sweep = 23.674242 [KHz]
Irr_domain = 1H
Irr_freq = 300.52965592 [MHz]
Irr_offset = 5 [ppm]
Mod_return = 1
Scans = 921
Total_scans = 921
X_90_width = 9.4 [us]
X_acq_time = 0.69206016 [s]
X_angle = 30 [deg]
X_atn = 8.6 [dB]
X_pulse = 3.13333333 [us]
Irr_atn_dec = 28.2 [dB]
Irr_atn_noe = 28.2 [dB]
Irr_noise = WALTZ
Decoupling = TRUE
Initial_wait = 1 [s]
Noe = TRUE
Noe_time = 2 [s]
Relaxation_delay = 2 [s]
Repetition_time = 2.69206016 [s]



----- ACQUISITION PARAMETERS -----
Derived from: single_pulse.3086
File Name = single_pulse.3413
Author = delta
Sample ID = YO-962 recrystall
Content = single_pulse
Creation Date = 22-JAN-2008 20:19:39
Revision Date = 29-JAN-2008 21:07:33
Spec Site = ECA300 (2 JMT30-2)
Spec Type = DELTA2 NMR
Data Format = 1D REAL
Dimensions = X
Dim Title = 1H
Dim Size = 13107
Dim Units = [ppm]
Field_strength = 7.0586013 [T] (300 [MHz]
X_acq_duration = 1.4522776 [s]
X_domain = 1H
X_freq = 300.52965592 [MHz]
X_offset = 5 [ppm]
X_points = 16384
X_prescans = 0
X_resolutions = 0.68857351 [Hz]
X_sweep = 11.28158845 [kHz]
X_resolution = 1H
Xir_domain = 1H
Xir_freq = 300.52965592 [MHz]
Xir_offset = 5 [ppm]
Xir_domain = 1H
Xir_freq = 300.52965592 [MHz]
Xir_offset = 5 [ppm]
Mod_return = 1
Scans = 8
Total_scans = 8
X_90_width = 11.6 [us]
X_acq_time = 1.4522776 [s]
X_angle = 45 [deg]
X_atn = 5.8 [dB]
X_pulse = 5.8 [us]
Xir_mode = Off
Xir_mode = OFF
Dante_presat = FALSE
Initial_wait = 1 [s]
Relaxation_delay = 5 [s]
Repetition_time = 6.4522776 [s]



```

---- ACQUISITION PARAMETERS ----
File Name      = single_pulse_dec.219
Author         = delta
Sample ID      = Alternaric acid
Content        = single pulse decouple
Creation Date   = 12-FEB-2008 17:17:30
Revision Date   = 12-FEB-2008 17:12:32
Spec Site      = ECA300 (2 JMT30-2)

Spec Type      = DELTA2 NMR
Data Format     = 1D COMPLEX
Dimensions     = X
Dim Title      = 13C
Dim Size       = 13107
Dim Units      = [ppm]
Field Strength = 7.0586013 [T] (300 [MHz]
X_acq_duration = 0.69206016 [s]
X_domain       = 13C
X_freq         = 75.56823426 [MHz]
X_offset       = 100 [ppm]
X_points       = 16384
X_prescans     = 4
X_resolution   = 1.44496109 [Hz]
X_sweep        = 23.674242 [kHz]
X_domain       = 1H
X_freq         = 300.52965592 [MHz]
X_offset       = 5 [ppm]
Mod_return     = 1
Scans          = 1024
Total_scans    = 1024

X_90_width     = 9.4 [us]
X_acq_time     = 0.69206016 [s]
X_angle        = 30 [deg]
X_atn          = 8.6 [dB]
X_pulse        = 3.13333333 [us]
X_atn_dec      = 29.7 [dB]
X_atn_noe      = 29.7 [dB]
X_noise        = WALTZ
Decoupling     = TRUE
Initial_wait   = 1 [s]
Noe_time        = TRUE
Noe_delay      = 2 [s]
Relaxation_delay = 2 [s]
Repetition_time = 2.69206016 [s]
    
```

