

# Gas Chromatography Report

## Organic Geochemistry Laboratory, Geological Survey of Canada - Calgary

Database Reference: Gas Chromatography Data for Crude Oils, Condensates and Rock Extracts,

Geoscience Data Repository, Lands and Minerals Sector, Natural Resources Canada

For data reference, general terms and conditions go to <http://open.canada.ca/en/open-government-licence-canada/>

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Sample ID: L01987

GSC Catalog No: C-558478

Acquisition Date: 1995-06-27

Location: 16-33-11-13W4

UWI: 100163301113W400

Upper Depth (m): 910.0

Lower Depth (m): 912.5

Fraction: gasoline

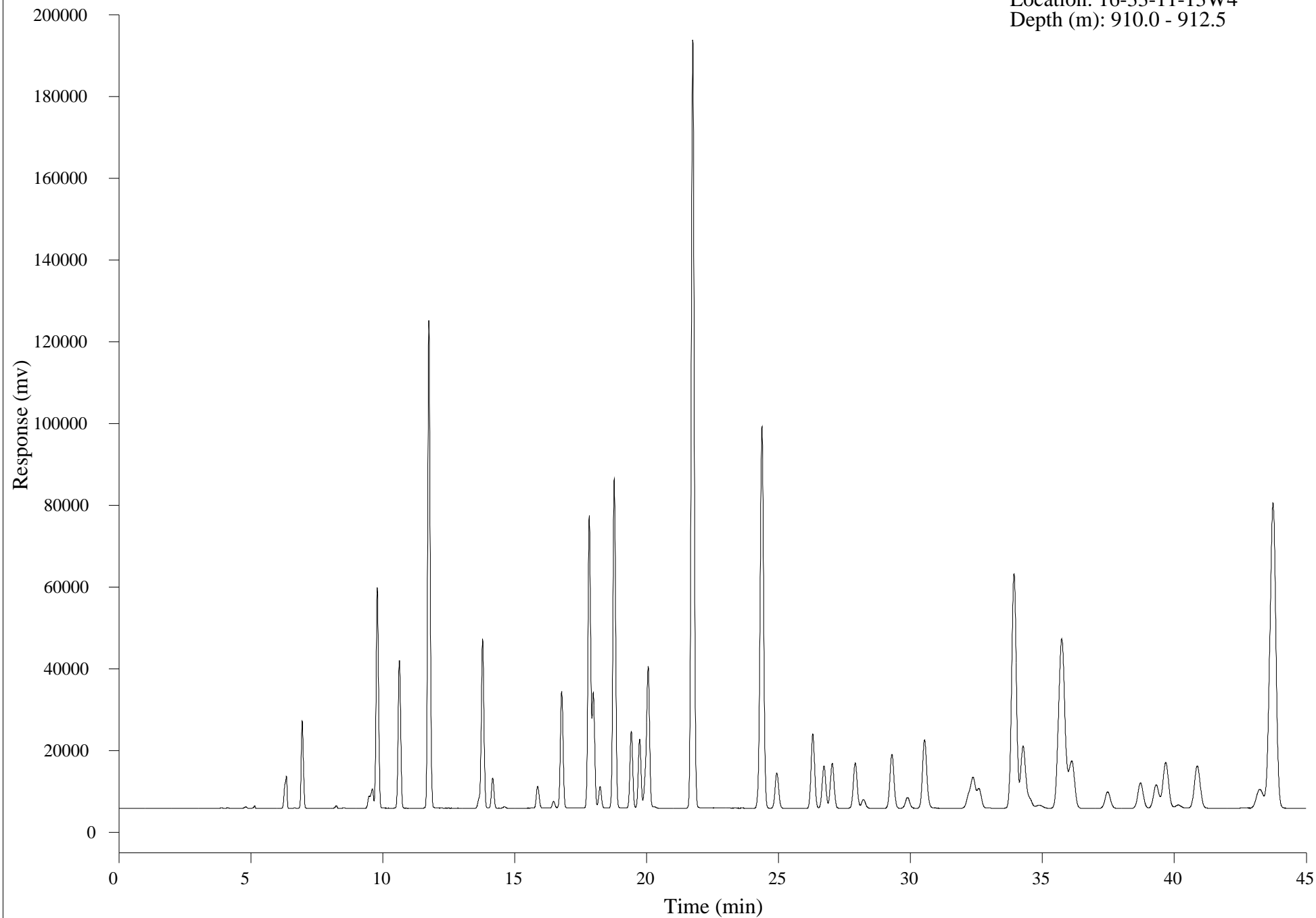
Instrument: HP 5890 GC

Column: DB-1, 60m x 0.32mm ID, 1.0 micrometer film thickness

| Time  | Compound Name | Area       | Height    |
|-------|---------------|------------|-----------|
| 6.35  | iC5           | 52304.00   | 7814.79   |
| 6.95  | nC5           | 119717.00  | 21390.09  |
| 8.24  | 22DMC4        | 3197.00    | 656.90    |
| 9.49  | CYC5          | 14772.00   | 2947.57   |
| 9.61  | 23DMC4        | 34148.00   | 4714.11   |
| 9.80  | 2MC5          | 349480.00  | 53916.78  |
| 10.63 | 3MC5          | 241355.00  | 36101.63  |
| 11.75 | nC6           | 766624.00  | 119334.12 |
| 13.66 | 22DMC5        | 11003.00   | 3207.00   |
| 13.79 | MCYC5         | 297389.00  | 42109.00  |
| 14.17 | 24DMC5        | 48673.00   | 7329.60   |
| 14.61 | 223TMC4       | 2507.00    | 363.60    |
| 15.87 | BEN           | 38801.00   | 5272.66   |
| 16.48 | 33DMC5        | 11299.00   | 1648.88   |
| 16.79 | CYC6          | 204137.00  | 28555.53  |
| 17.83 | 2MC6          | 514750.00  | 71581.49  |
| 17.98 | 23DMC5        | 185118.00  | 28264.12  |
| 18.24 | 11DMCYC5      | 37773.00   | 5259.96   |
| 18.78 | 3MC6          | 577965.00  | 80580.26  |
| 19.42 | 1c3DMCYC5     | 136252.00  | 18754.26  |
| 19.74 | 1t3DMCYC5     | 122810.00  | 16794.04  |
| 20.06 | 1t2DMCYC5     | 303229.00  | 34667.70  |
| 21.75 | nC7           | 1438099.00 | 188128.97 |
| 24.37 | MCYC6         | 854684.00  | 93332.89  |
| 24.94 | 22DMC6        | 82523.00   | 8651.47   |
| 26.30 | ECYC5         | 171873.00  | 18204.56  |
| 26.73 | 25DMC6        | 101080.00  | 10415.65  |
| 27.04 | 24DMC6        | 109060.00  | 10994.82  |
| 27.91 | 223TMC5       | 115493.00  | 11041.16  |
| 29.89 | 234TMC5       | 29488.00   | 2637.14   |
| 30.54 | TOL           | 190301.00  | 16709.11  |
| 33.93 | 2MC7          | 714490.00  | 57306.58  |
| 36.12 | 3MC7          | 165415.00  | 11610.22  |
| 43.24 | 1c4DMCYC6     | 78474.00   | 4611.03   |
| 43.75 | nC8           | 1205447.00 | 74650.58  |

# Gasoline Gas Chromatogram

Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5



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Sample ID: L01987

GSC Catalog No: C-558478

Acquisition Date: 1996-06-17

Location: 16-33-11-13W4

UWI: 100163301113W400

Upper Depth (m): 910.0

Lower Depth (m): 912.5

Fraction: saturate

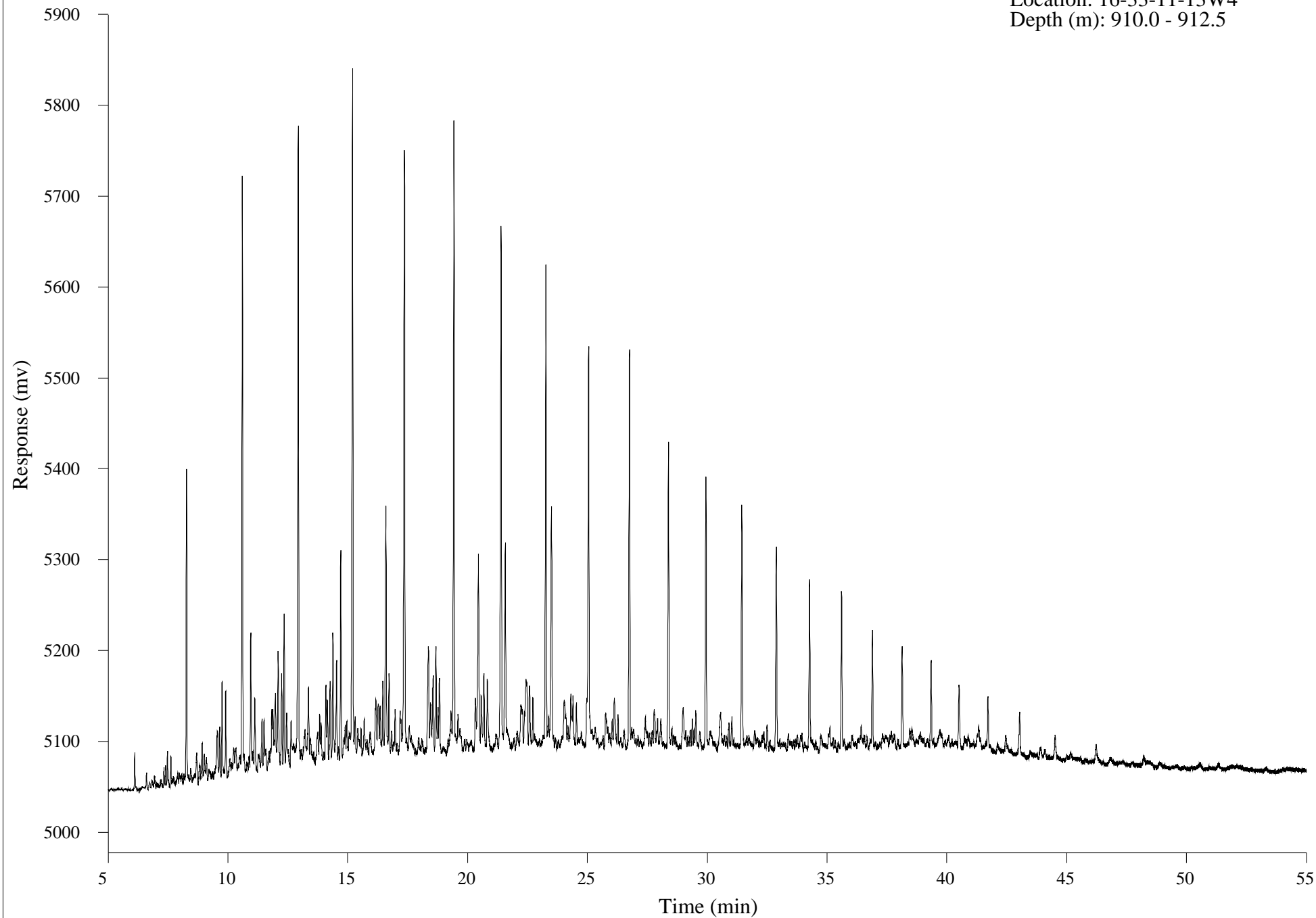
Instrument: Varian 3800 GC

Column: DB-1, 30m x 0.25mm ID, 0.25 micrometers film thickness

| Time  | Compound Name | Area    | Height |
|-------|---------------|---------|--------|
| 6.11  | C10           | 86.41   | 40.87  |
| 8.27  | C11           | 777.98  | 345.85 |
| 10.61 | C12           | 1521.15 | 637.01 |
| 12.94 | C13           | 1847.88 | 699.74 |
| 15.20 | C14           | 1996.79 | 729.15 |
| 17.37 | C15           | 1958.40 | 660.26 |
| 19.43 | C16           | 1867.88 | 688.05 |
| 21.40 | C17           | 1644.01 | 565.08 |
| 21.58 | Pr            | 641.91  | 209.36 |
| 23.27 | C18           | 1409.17 | 517.70 |
| 23.50 | Ph            | 869.56  | 258.14 |
| 25.06 | C19           | 1393.49 | 431.47 |
| 26.76 | C20           | 1131.11 | 434.26 |
| 28.39 | C21           | 953.35  | 331.88 |
| 29.95 | C22           | 854.64  | 297.02 |
| 31.45 | C23           | 780.98  | 266.69 |
| 32.89 | C24           | 667.72  | 222.14 |
| 34.27 | C25           | 526.85  | 182.48 |
| 35.61 | C26           | 483.05  | 171.13 |
| 36.90 | C27           | 358.54  | 128.80 |
| 38.14 | C28           | 336.03  | 111.30 |
| 39.35 | C29           | 286.08  | 93.23  |
| 40.51 | C30           | 242.72  | 70.23  |
| 41.72 | C31           | 145.81  | 56.79  |
| 43.04 | C32           | 167.42  | 47.30  |

# Saturated Hydrocarbons Gas Chromatogram

Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5



# Gas Chromatography - Mass Spectrometry Report

## Organic Geochemistry Laboratory, Geological Survey of Canada - Calgary

Database Reference: Gas Chromatography - Mass Spectrometry Data for Crude Oils, Condensates and Rock Extracts,  
Geoscience Data Repository, Lands and Minerals Sector, Natural Resources Canada

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Sample ID: L01987

GSC Catalog No: C-558478

Acquisition Date: 1996-08-13

Location: 16-33-11-13W4

UWI: 100163301113W400

Upper Depth (m): 910.0

Lower Depth (m): 912.5

Fraction: saturate

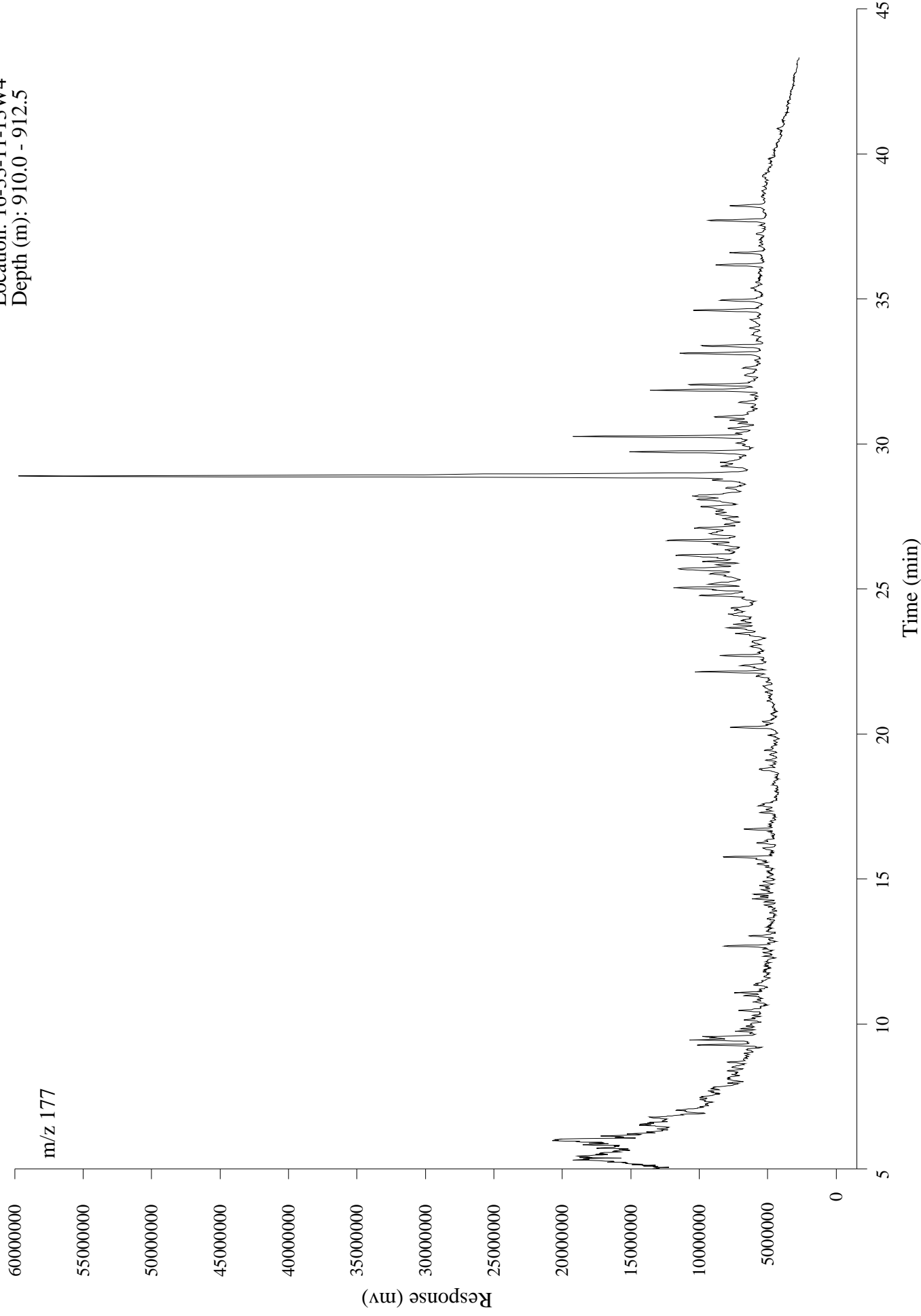
Instrument: HP 5890 GC/VG70SQ MS

MS Mode: Selected Ion Monitoring + EI

Column: DB-5ms, 30m x 0.32mm ID, 0.25 micrometers film thickness

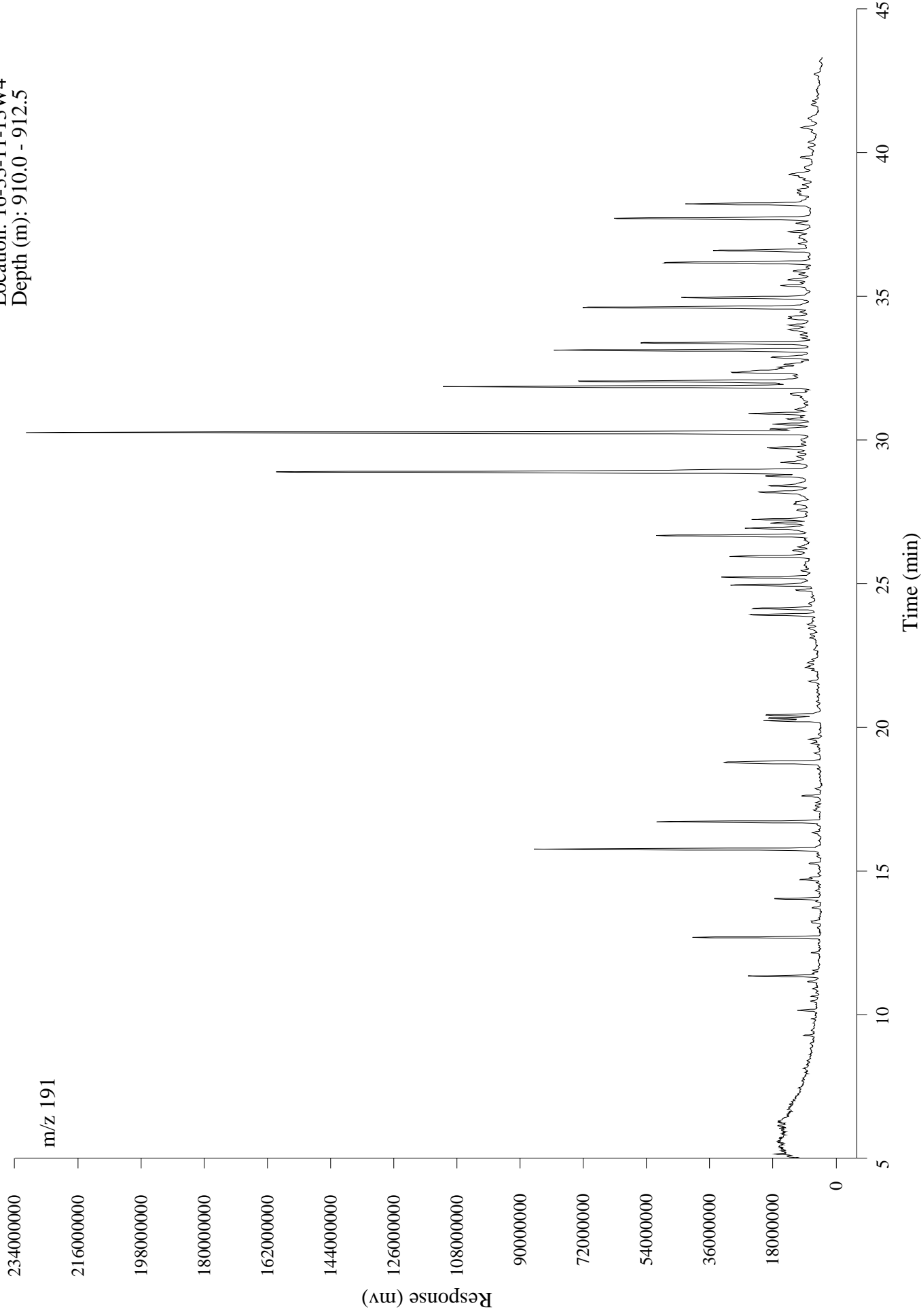
# Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5



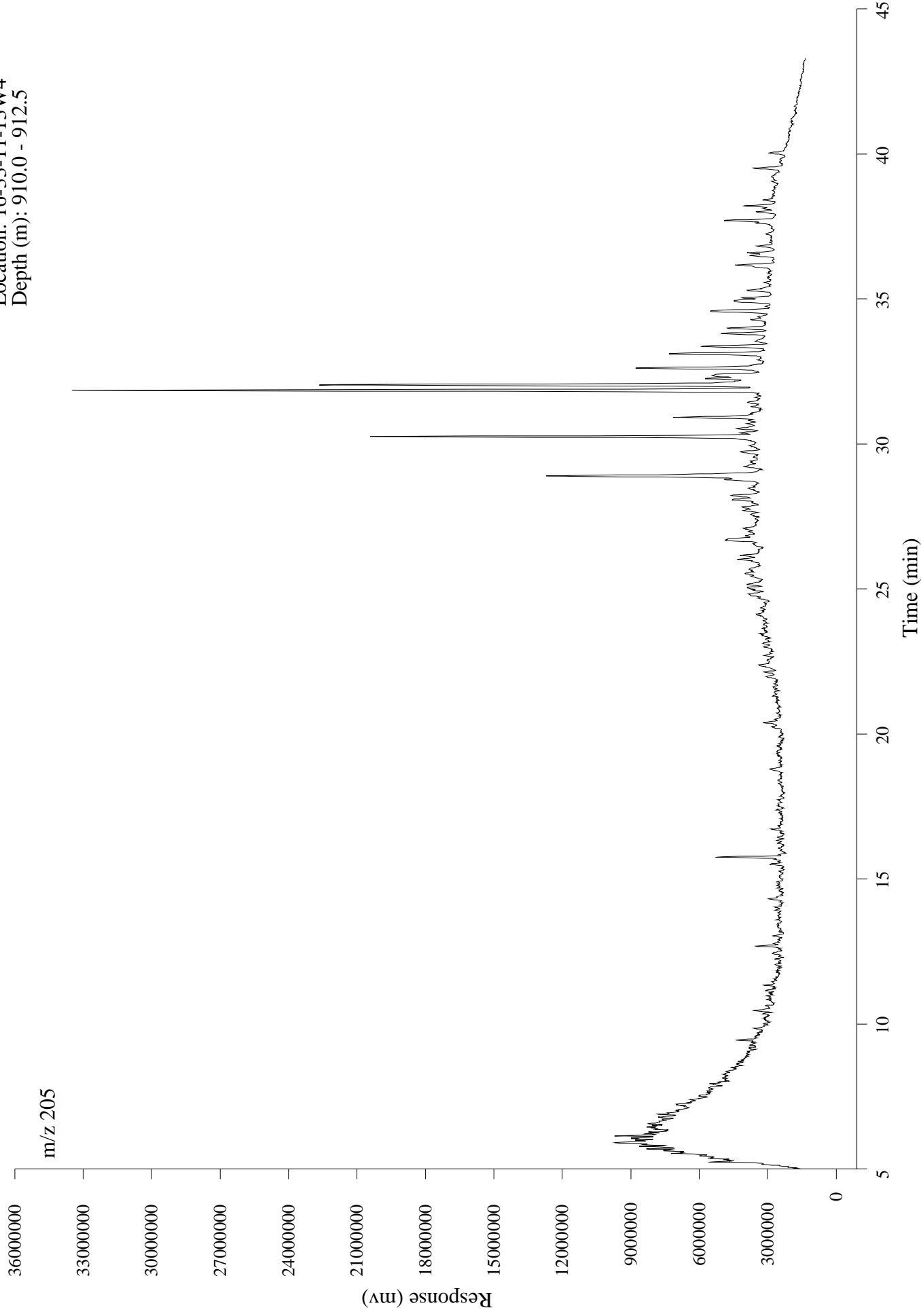
# Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5



# Saturated Hydrocarbons Mass Chromatogram

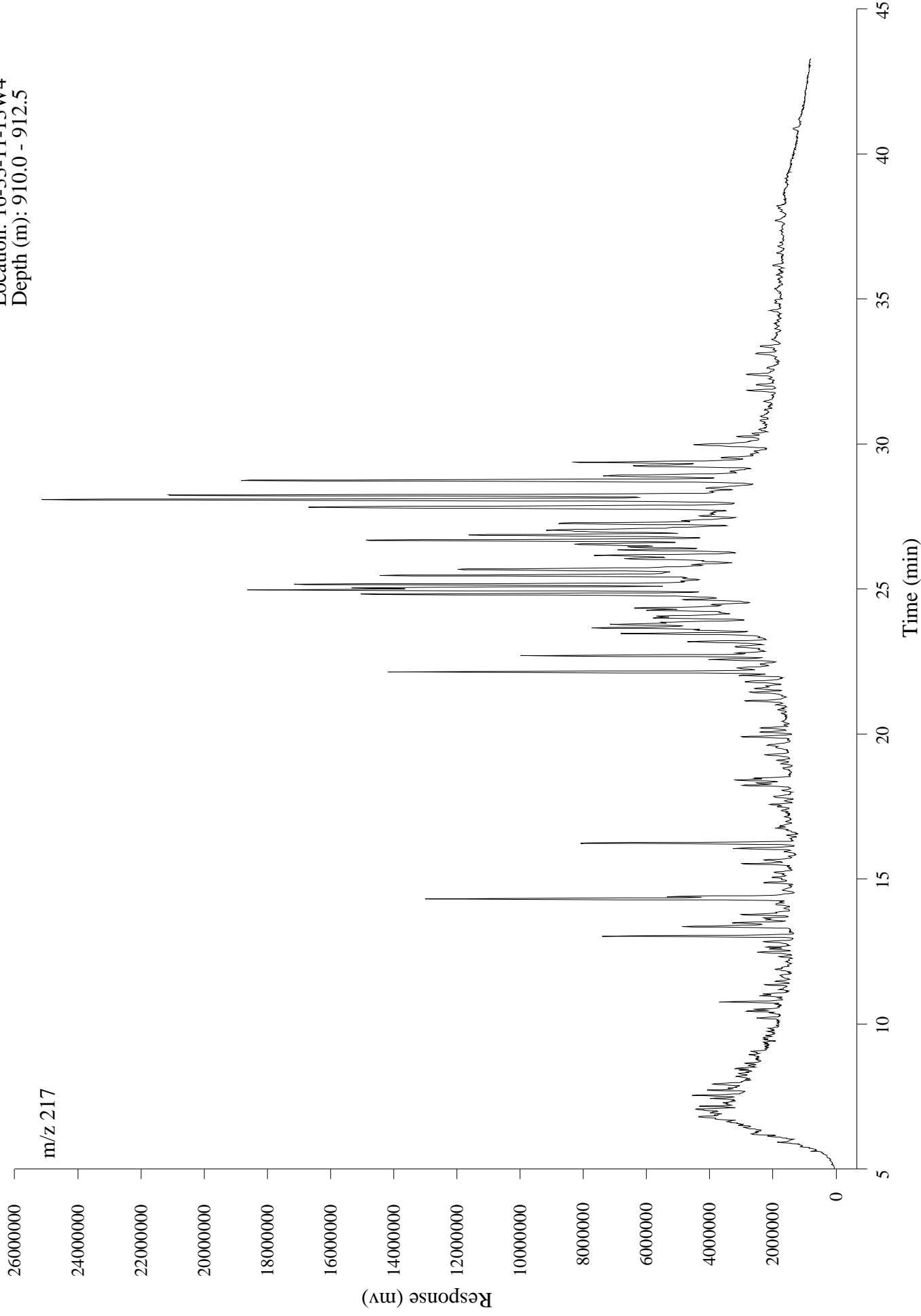
Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5





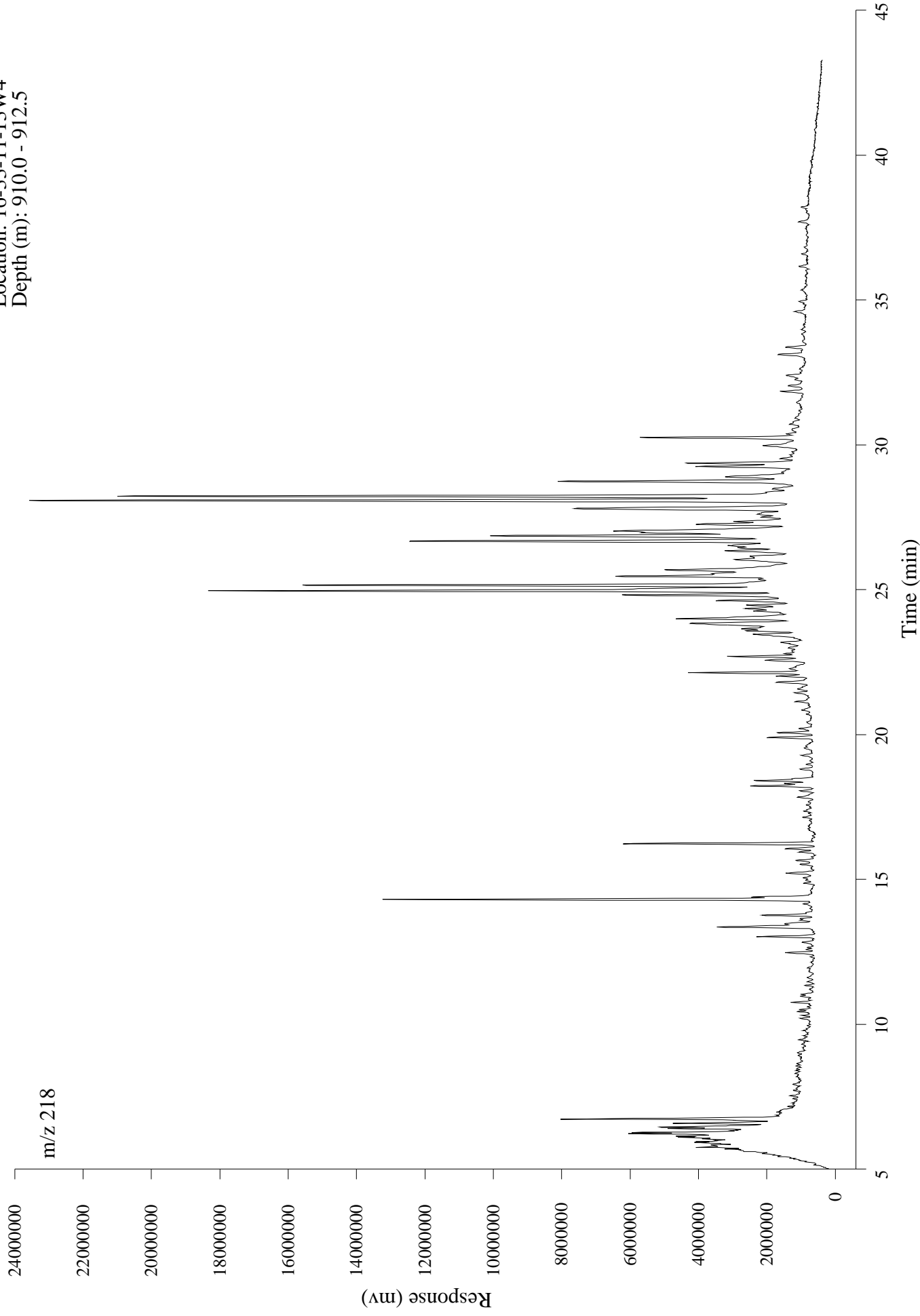
# Saturated Hydrocarbons Mass Chromatogram

Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5



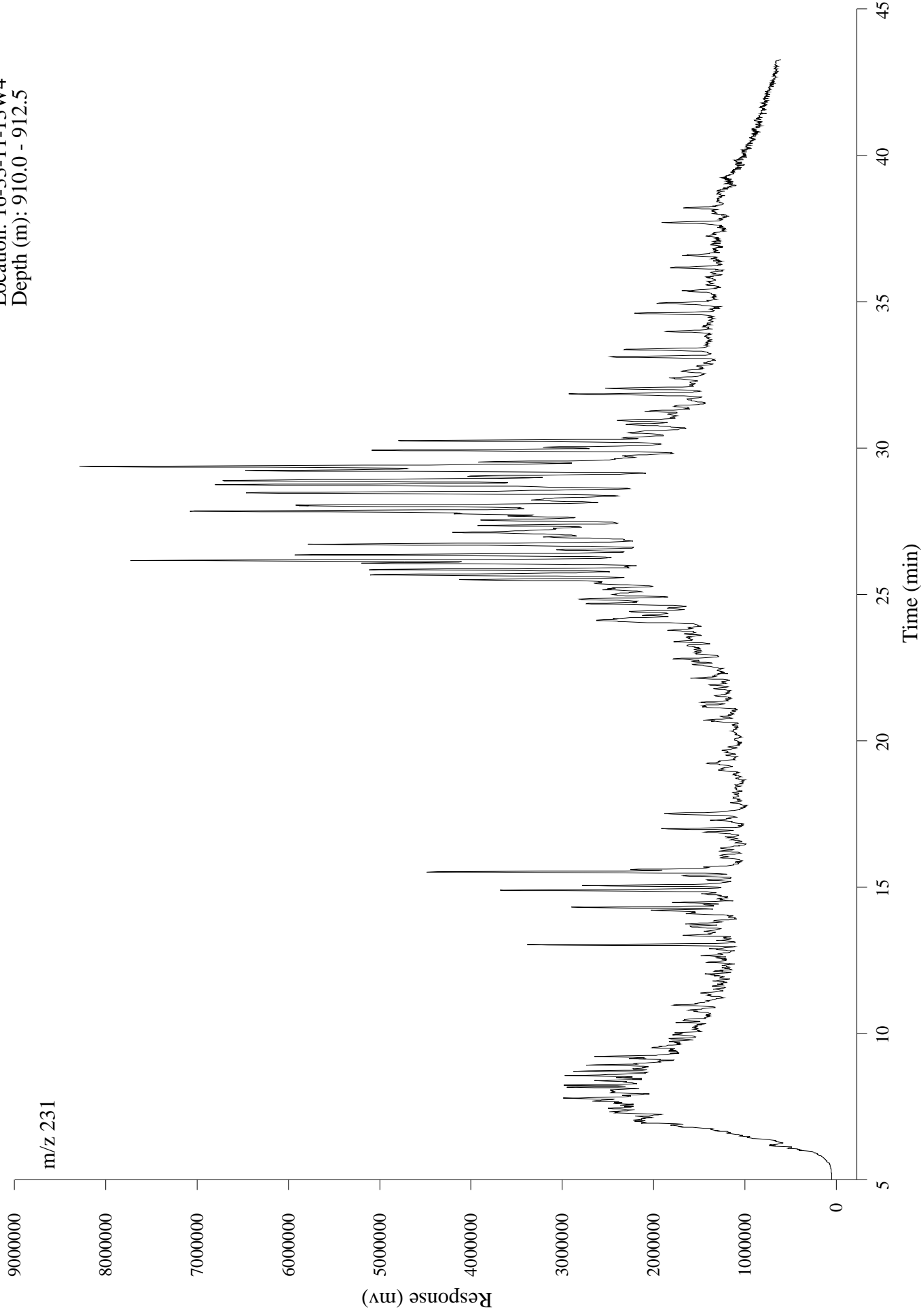
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Lab Id: L01987  
GSC No: C-558478  
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Lab Id: L01987  
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Lab Id: L01987  
GSC No: C-558478  
Location: 16-33-11-13W4  
Depth (m): 910.0 - 912.5

