

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: L02490

GSC Catalog No: C-558683

Acquisition Date: 1997-12-04

Location: 3-30-23-23W4

UWI: 100033002323W400

Upper Depth (m): 1773.0

Lower Depth (m): 1791.0

Fraction: gasoline

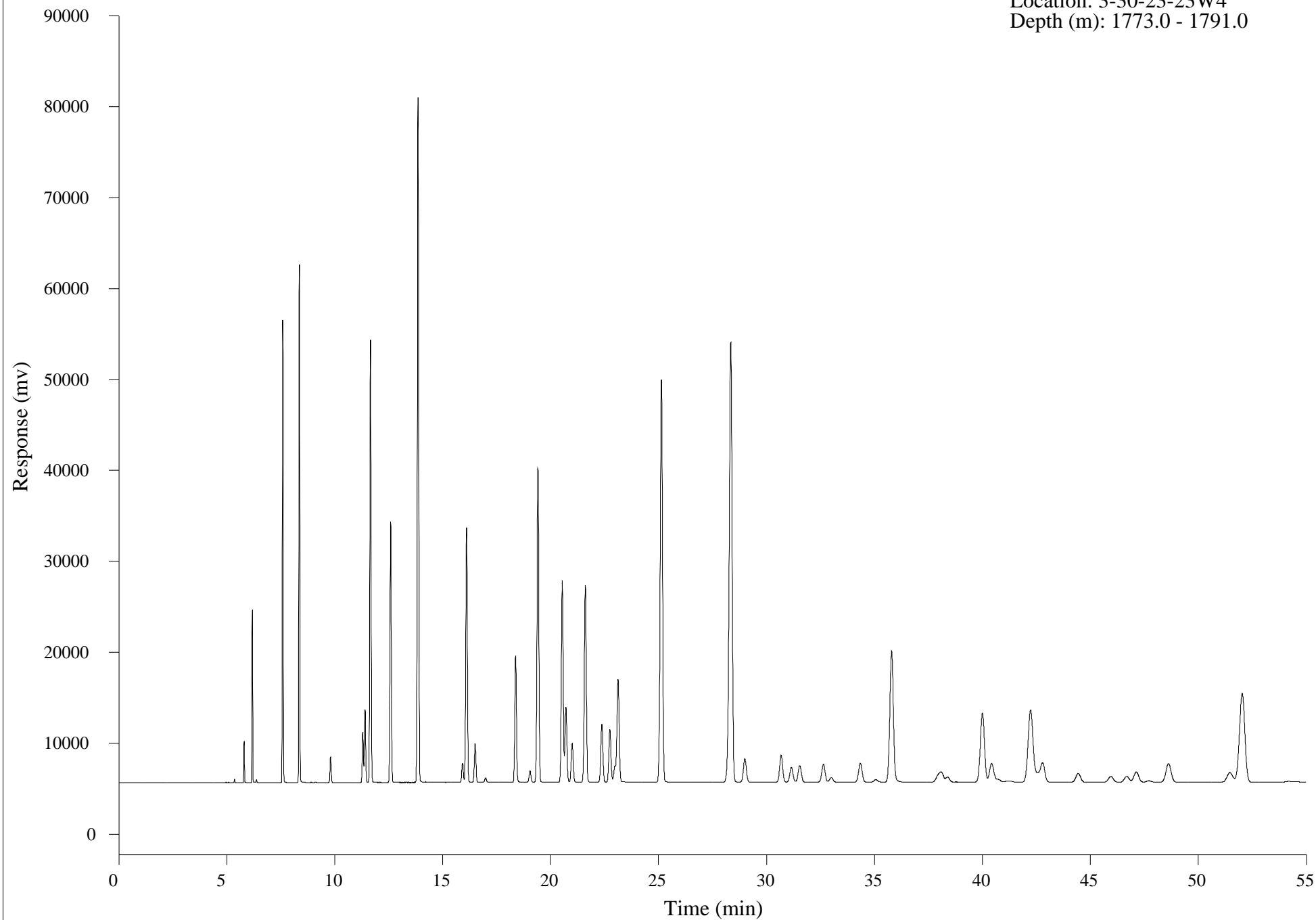
Instrument: HP 5890 GC

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

| Time | Compound Name | Area | Height |
|-------|---------------|-----------|----------|
| 7.60 | iC5 | 133926.00 | 50924.66 |
| 8.36 | nC5 | 155749.00 | 56846.99 |
| 9.81 | 22DMC4 | 10378.00 | 2829.02 |
| 11.30 | CYC5 | 20939.00 | 5557.33 |
| 11.41 | 23DMC4 | 32796.00 | 8066.79 |
| 11.66 | 2MC5 | 190394.00 | 48682.28 |
| 12.59 | 3MC5 | 121111.00 | 28631.60 |
| 13.86 | nC6 | 322670.00 | 75431.19 |
| 15.92 | 22DMC5 | 10848.00 | 2081.94 |
| 16.11 | MCYC5 | 140629.00 | 28064.07 |
| 16.51 | 24DMC5 | 22253.00 | 4245.46 |
| 16.99 | 223TMC4 | 2721.00 | 480.66 |
| 18.38 | BEN | 73872.00 | 13928.79 |
| 19.05 | 33DMC5 | 7476.00 | 1240.65 |
| 19.41 | CYC6 | 200326.00 | 34470.47 |
| 20.54 | 2MC6 | 132944.00 | 22130.84 |
| 20.71 | 23DMC5 | 50406.00 | 8231.19 |
| 21.00 | 11DMCYC5 | 27172.00 | 4236.40 |
| 21.61 | 3MC6 | 139448.00 | 21691.74 |
| 22.37 | 1c3DMCYC5 | 42789.00 | 6379.15 |
| 22.75 | 1t3DMCYC5 | 39396.00 | 5758.91 |
| 23.13 | 1t2DMCYC5 | 82586.00 | 11260.82 |
| 25.13 | nC7 | 329582.00 | 44213.01 |
| 28.34 | MCYC6 | 448953.00 | 48369.14 |
| 29.00 | 22DMC6 | 24928.00 | 2567.32 |
| 30.68 | ECYC5 | 28791.00 | 2968.27 |
| 31.15 | 25DMC6 | 16779.00 | 1620.76 |
| 31.54 | 24DMC6 | 18862.00 | 1813.97 |
| 32.64 | 223TMC5 | 21161.00 | 1953.85 |
| 35.07 | 234TMC5 | 3271.00 | 268.69 |
| 35.80 | TOL | 166073.00 | 14427.14 |
| 40.00 | 2MC7 | 101816.00 | 7588.78 |
| 42.79 | 3MC7 | 35045.00 | 2139.76 |
| 51.47 | 1c4DMCYC6 | 19635.00 | 1054.17 |
| 52.03 | nC8 | 173417.00 | 9780.95 |

Gasoline Gas Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



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Sample ID: L02490

GSC Catalog No: C-558683

Acquisition Date: 1998-05-06

Location: 3-30-23-23W4

UWI: 100033002323W400

Upper Depth (m): 1773.0

Lower Depth (m): 1791.0

Fraction: saturate

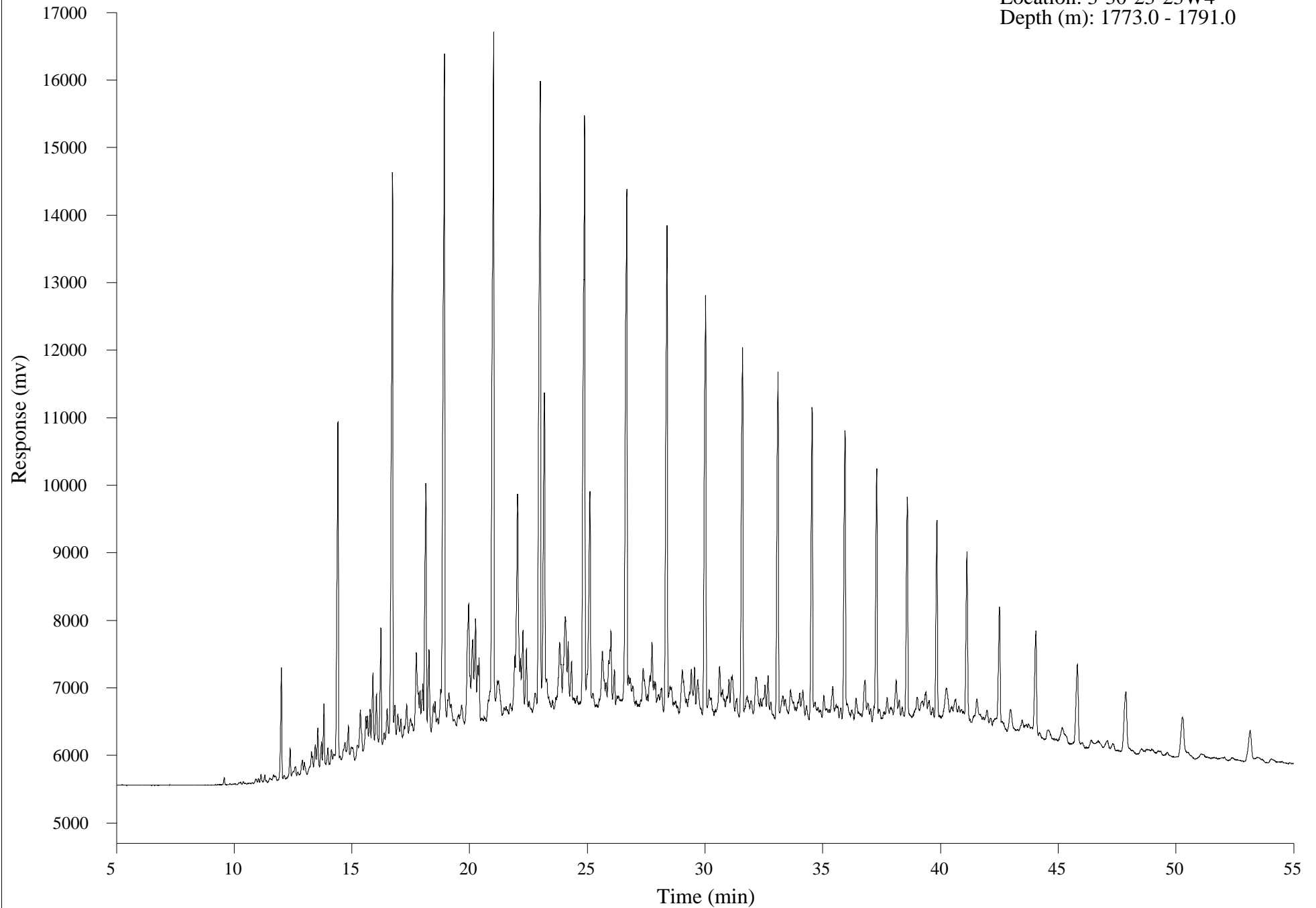
Instrument: Varian 3800 GC

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

| Time | Compound Name | Area | Height |
|-------|---------------|----------|----------|
| 12.01 | C12 | 5894.14 | 1661.65 |
| 14.41 | C13 | 19882.76 | 5065.02 |
| 16.73 | C14 | 40118.57 | 8524.11 |
| 18.93 | C15 | 51171.81 | 10138.19 |
| 21.02 | C16 | 55220.17 | 10227.09 |
| 23.00 | C17 | 46690.71 | 9107.18 |
| 23.18 | Pr | 19966.88 | 4308.99 |
| 24.88 | C18 | 44037.33 | 8690.31 |
| 25.11 | Ph | 16881.47 | 3154.63 |
| 26.67 | C19 | 40599.13 | 7684.44 |
| 28.39 | C20 | 34585.56 | 7051.35 |
| 30.02 | C21 | 29710.68 | 6199.67 |
| 31.59 | C22 | 26619.60 | 5400.33 |
| 33.10 | C23 | 24069.05 | 5099.23 |
| 34.55 | C24 | 20835.97 | 4580.97 |
| 35.94 | C25 | 18009.57 | 4150.87 |
| 37.29 | C26 | 17568.00 | 3755.76 |
| 38.59 | C27 | 15524.13 | 3273.82 |
| 39.85 | C28 | 12584.82 | 2909.24 |
| 41.13 | C29 | 11280.88 | 2460.24 |
| 42.51 | C30 | 8825.51 | 1715.91 |
| 44.05 | C31 | 8417.49 | 1511.53 |
| 45.82 | C32 | 7740.26 | 1183.21 |

Saturated Hydrocarbons Gas Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



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: L02490

GSC Catalog No: C-558683

Acquisition Date: 1998-06-04

Location: 3-30-23-23W4

UWI: 100033002323W400

Upper Depth (m): 1773.0

Lower Depth (m): 1791.0

Fraction: saturate

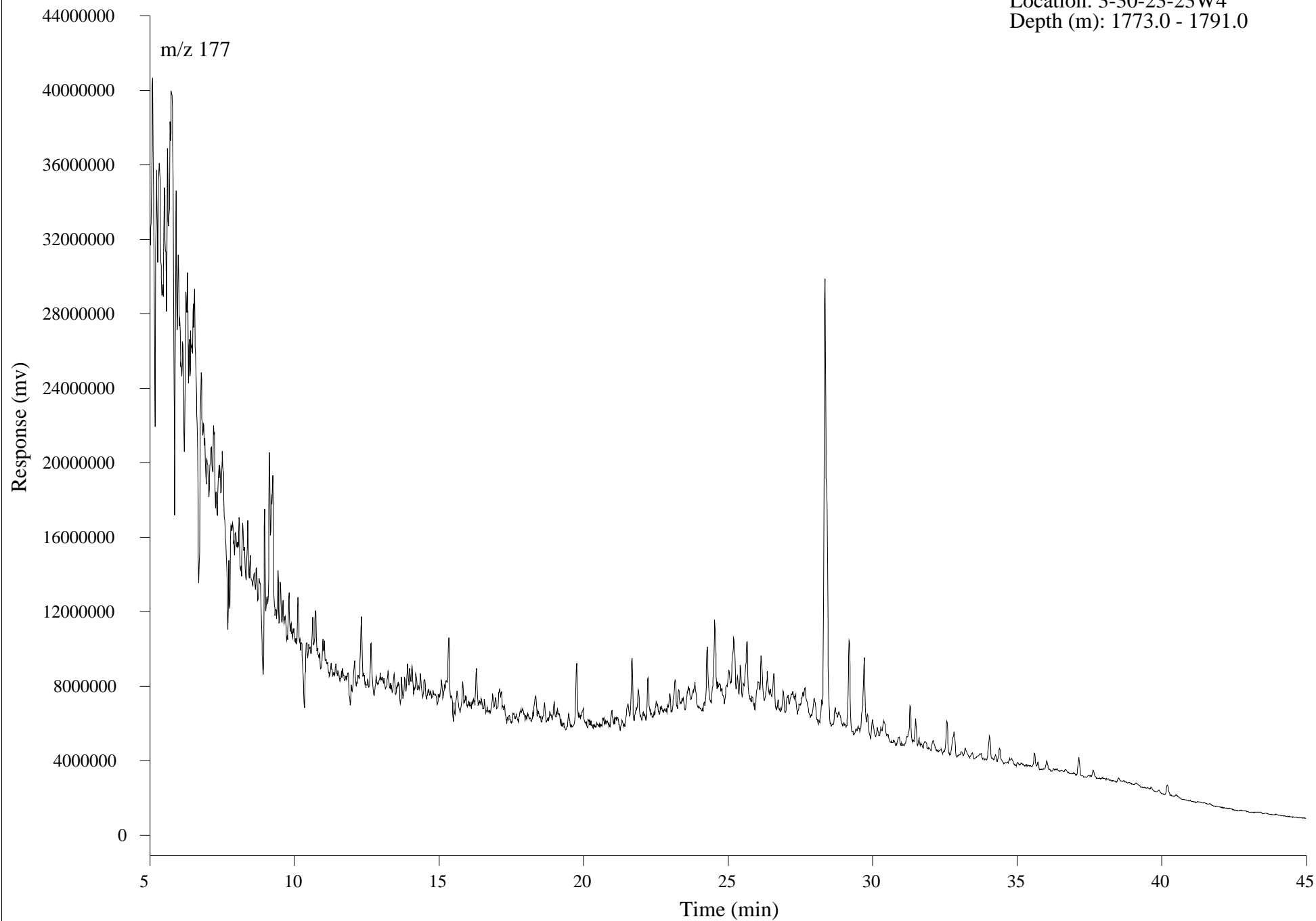
Instrument: HP 5890 GC/VG70SQ MS

MS Mode: Selected Ion Monitoring + EI

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

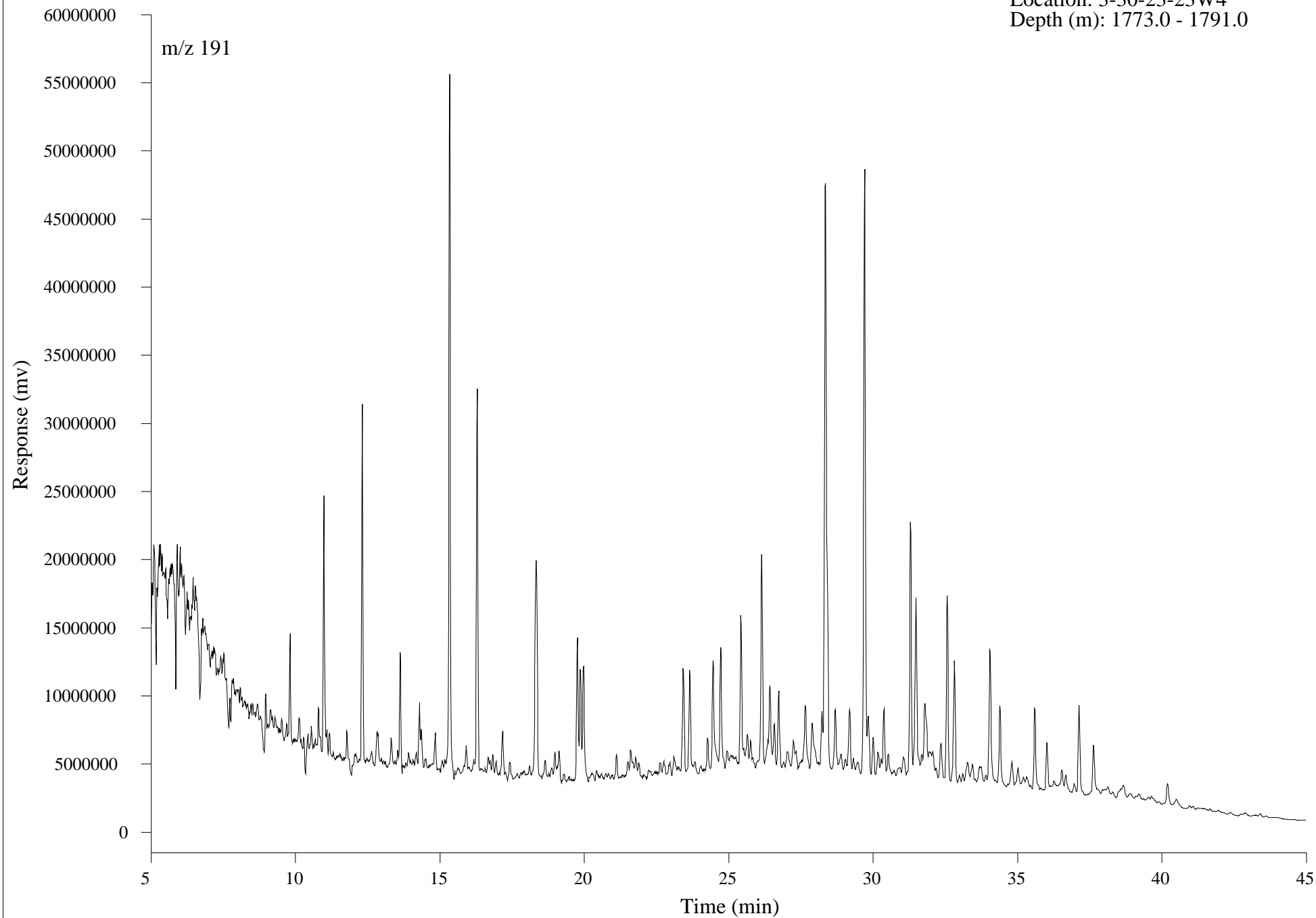
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



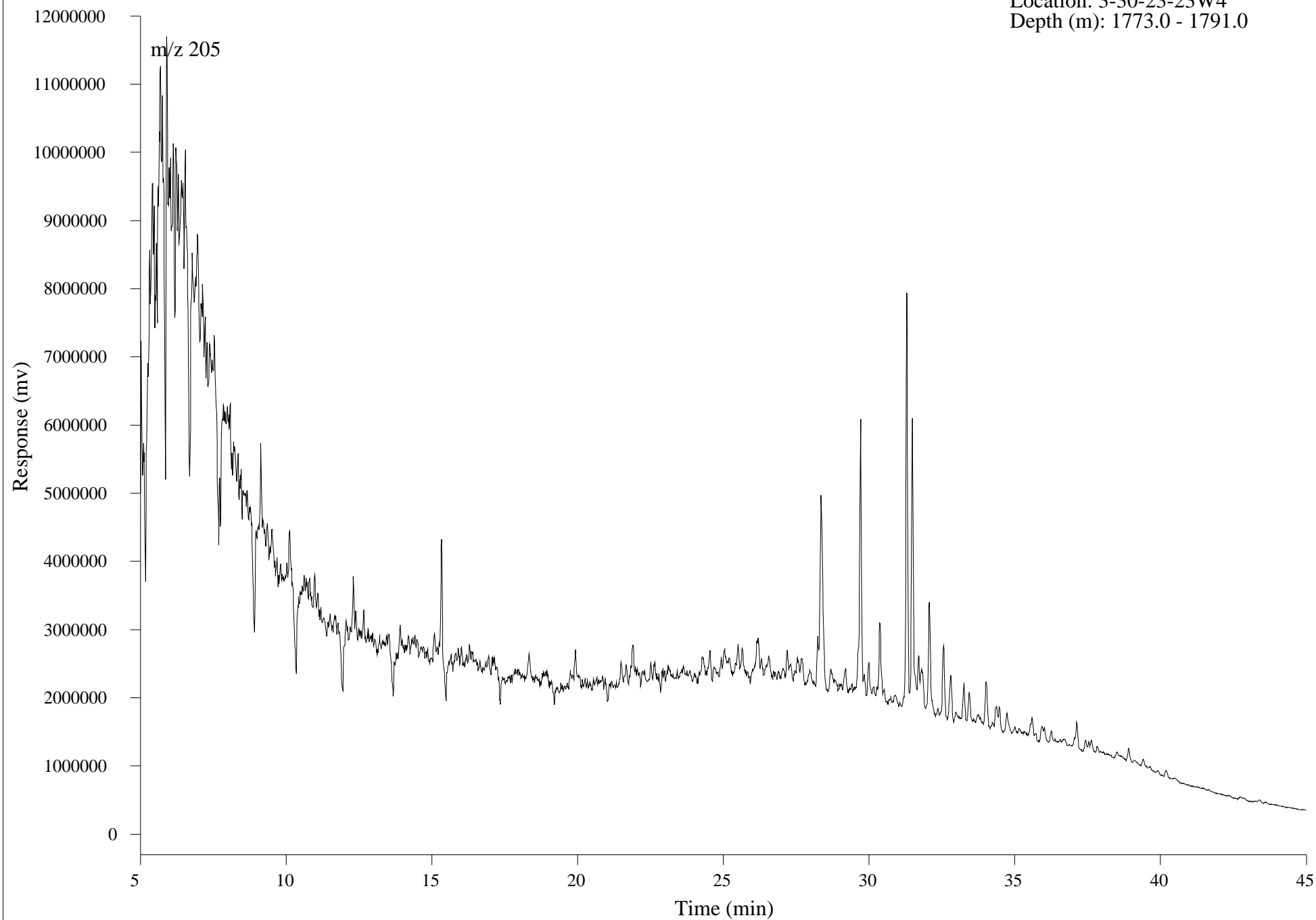
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



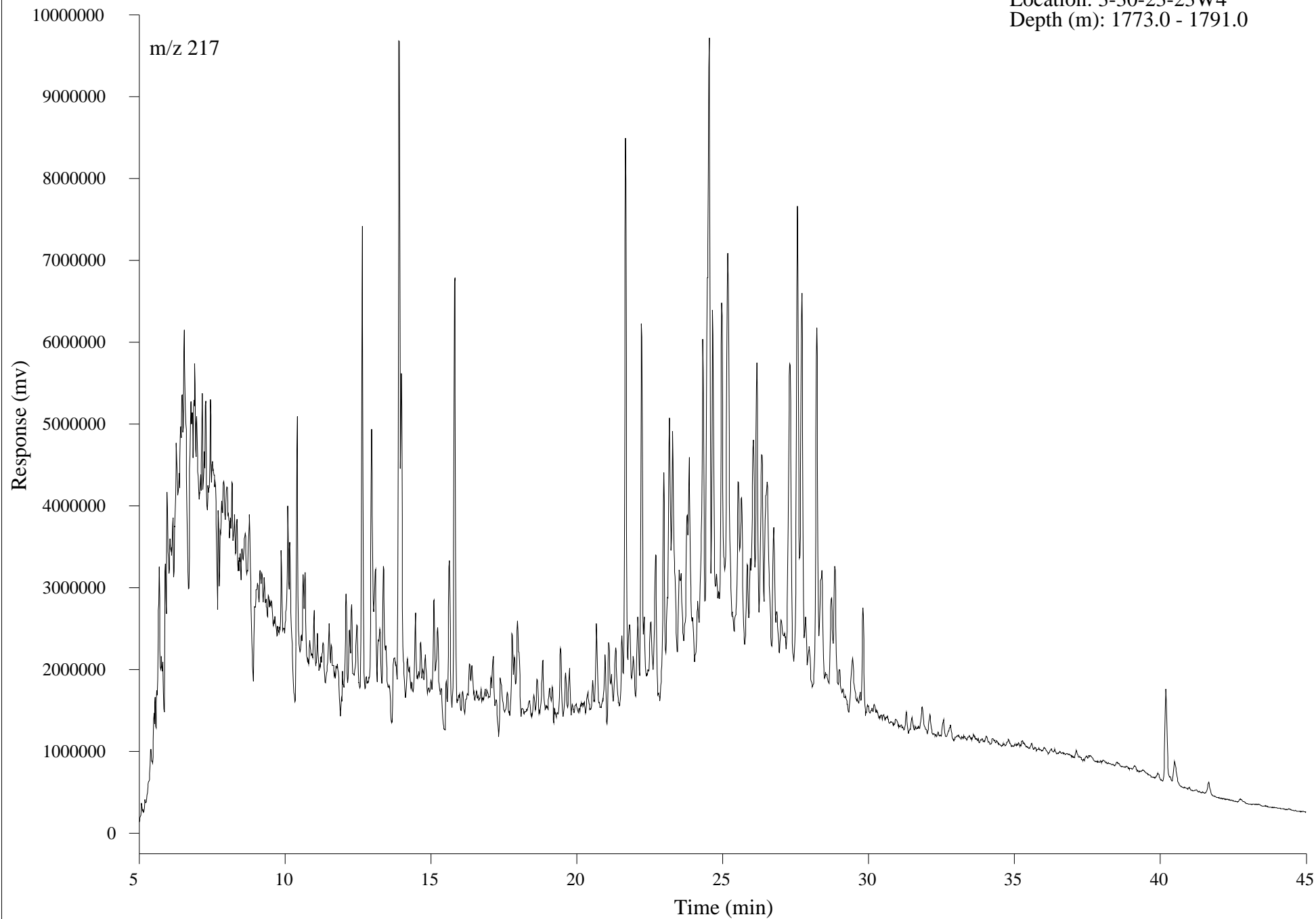
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



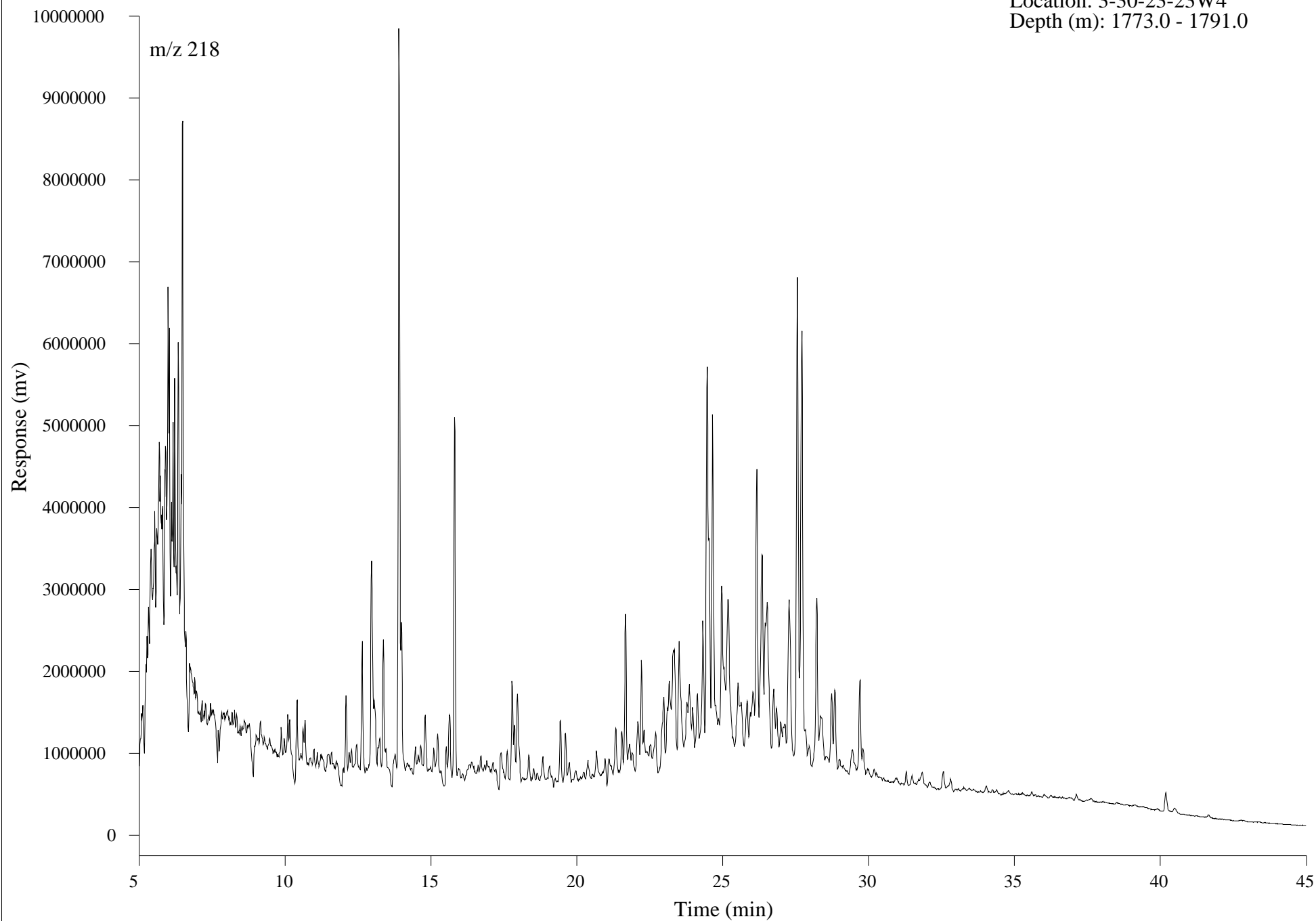
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



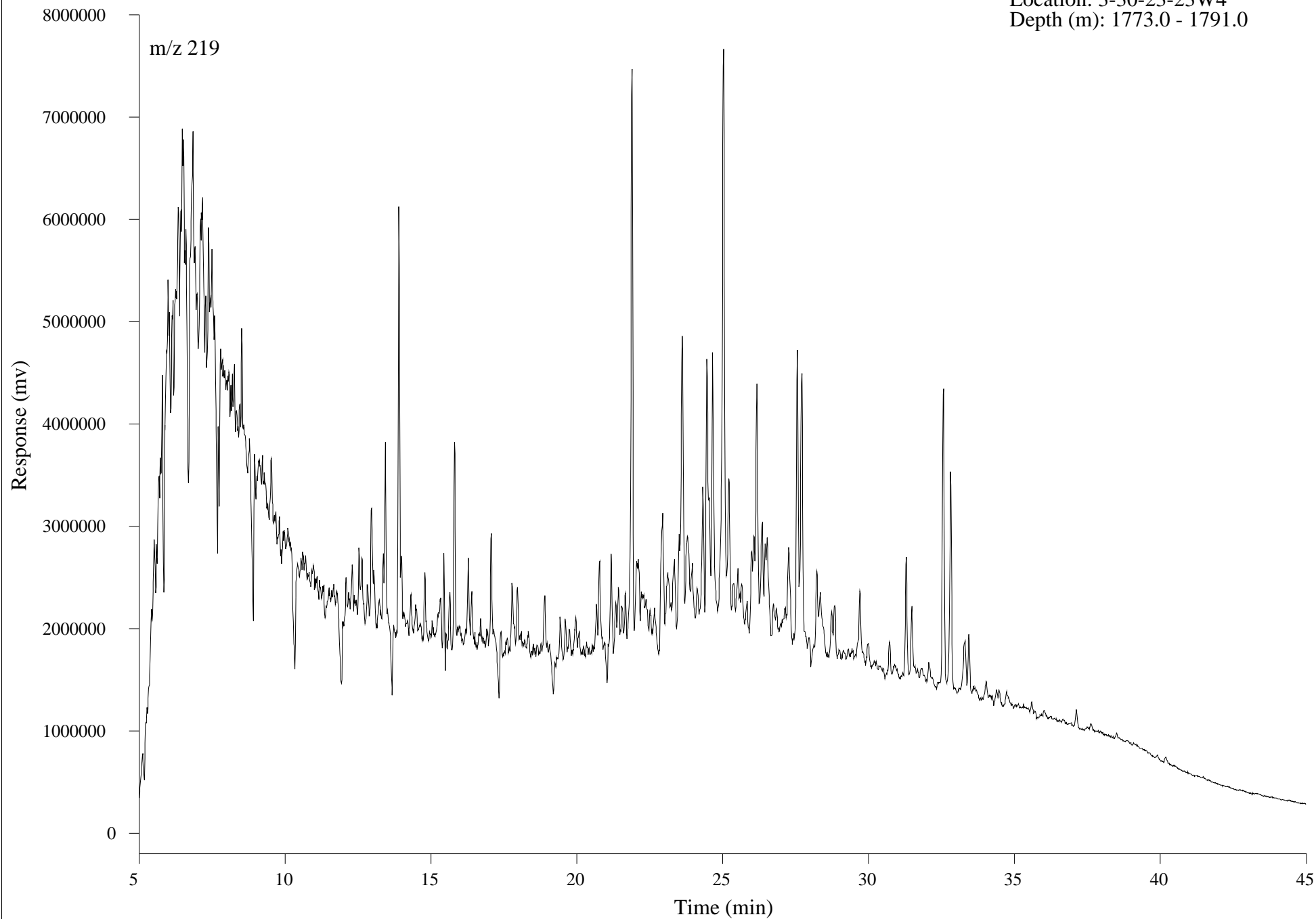
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



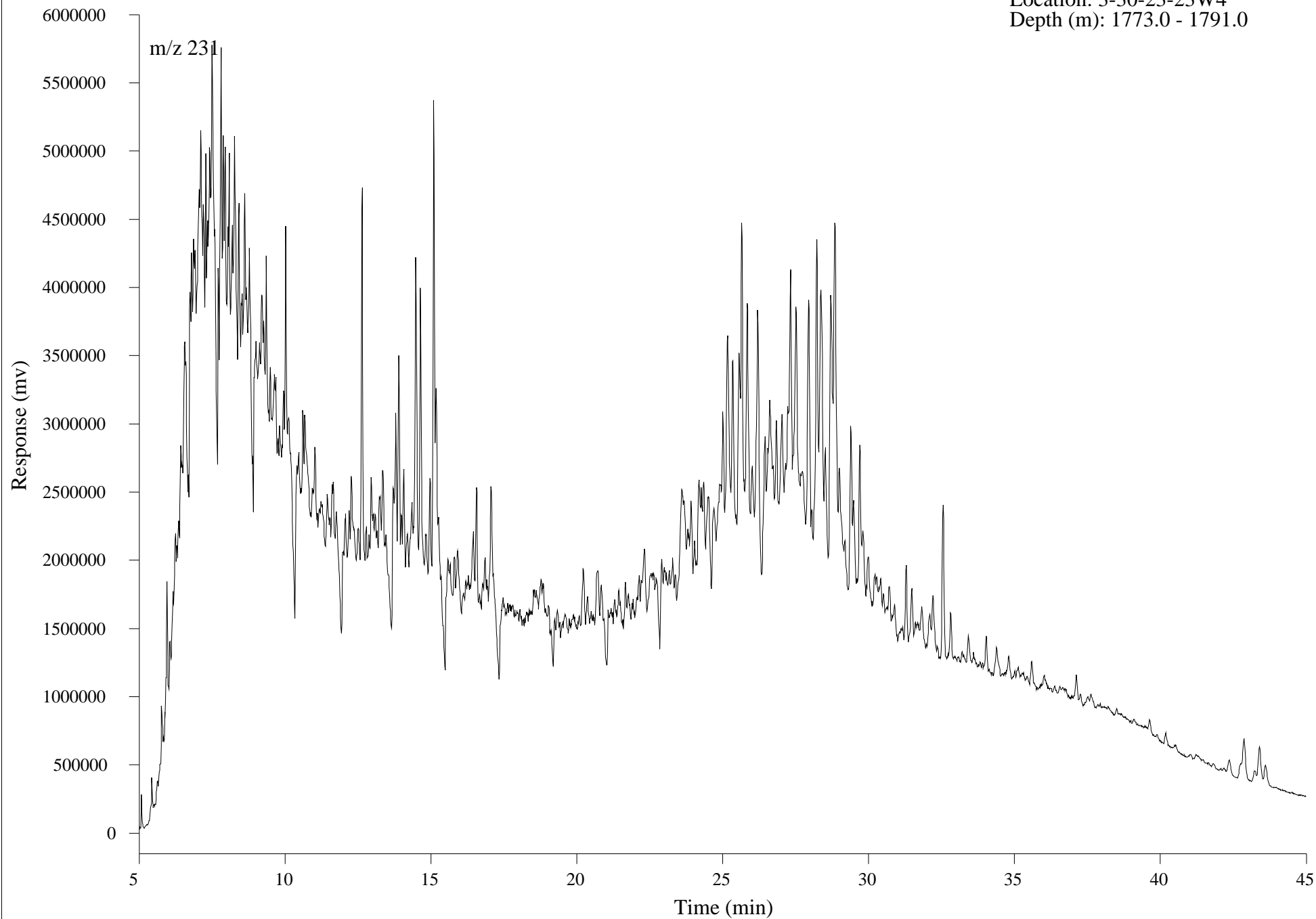
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0



Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02490
GSC No: C-558683
Location: 3-30-23-23W4
Depth (m): 1773.0 - 1791.0

