

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: L02454

GSC Catalog No: C-558737

Acquisition Date: 1997-09-10

Location: 16-8-16-22W4

UWI: 100160801622W400

Upper Depth (m): 1500.0

Lower Depth (m): 1505.0

Fraction: gasoline

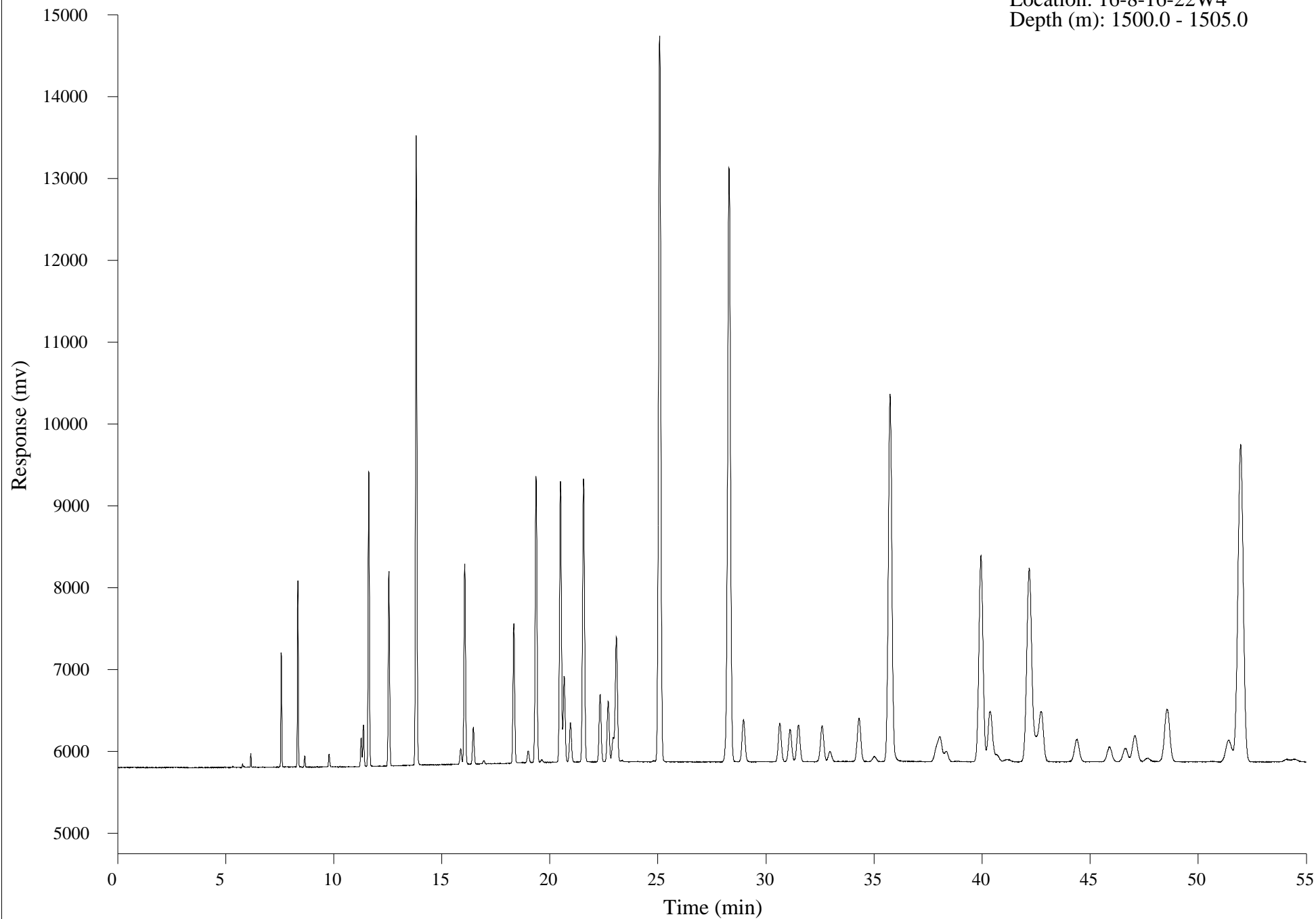
Instrument: HP 5890 GC

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

| Time | Compound Name | Area | Height |
|-------|---------------|----------|---------|
| 7.58 | iC5 | 3788.00 | 1393.81 |
| 8.34 | nC5 | 6404.00 | 2279.67 |
| 9.79 | 22DMC4 | 590.00 | 156.80 |
| 11.27 | CYC5 | 1334.00 | 349.30 |
| 11.38 | 23DMC4 | 2102.00 | 512.97 |
| 11.62 | 2MC5 | 14261.00 | 3612.06 |
| 12.56 | 3MC5 | 10115.00 | 2383.79 |
| 13.82 | nC6 | 33460.00 | 7689.11 |
| 15.88 | 22DMC5 | 998.00 | 192.95 |
| 16.06 | MCYC5 | 12289.00 | 2450.19 |
| 16.46 | 24DMC5 | 2335.00 | 450.40 |
| 16.95 | 223TMC4 | 215.00 | 40.55 |
| 18.34 | BEN | 9051.00 | 1706.10 |
| 19.00 | 33DMC5 | 845.00 | 144.28 |
| 19.36 | CYC6 | 20339.00 | 3500.12 |
| 20.49 | 2MC6 | 20654.00 | 3435.27 |
| 20.66 | 23DMC5 | 6454.00 | 1049.69 |
| 20.96 | 11DMCYC5 | 3121.00 | 482.16 |
| 21.56 | 3MC6 | 22098.00 | 3459.51 |
| 22.33 | 1c3DMCYC5 | 5500.00 | 819.07 |
| 22.70 | 1t3DMCYC5 | 5027.00 | 732.42 |
| 23.08 | 1t2DMCYC5 | 11125.00 | 1524.66 |
| 25.08 | nC7 | 66243.00 | 8868.66 |
| 28.29 | MCYC6 | 66780.00 | 7251.17 |
| 28.96 | 22DMC6 | 4931.00 | 513.89 |
| 30.64 | ECYC5 | 4436.00 | 467.30 |
| 31.12 | 25DMC6 | 3963.00 | 392.69 |
| 31.50 | 24DMC6 | 4589.00 | 446.08 |
| 32.60 | 223TMC5 | 4372.00 | 422.66 |
| 35.02 | 234TMC5 | 505.00 | 49.25 |
| 35.74 | TOL | 50906.00 | 4475.05 |
| 39.95 | 2MC7 | 32655.00 | 2488.56 |
| 42.73 | 3MC7 | 10185.00 | 602.38 |
| 51.42 | 1c4DMCYC6 | 4367.00 | 248.62 |
| 51.97 | nC8 | 67679.00 | 3865.99 |

Gasoline Gas Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



Gas Chromatography Report

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Sample ID: L02454

GSC Catalog No: C-558737

Acquisition Date: 1997-09-15

Location: 16-8-16-22W4

UWI: 100160801622W400

Upper Depth (m): 1500.0

Lower Depth (m): 1505.0

Fraction: saturate

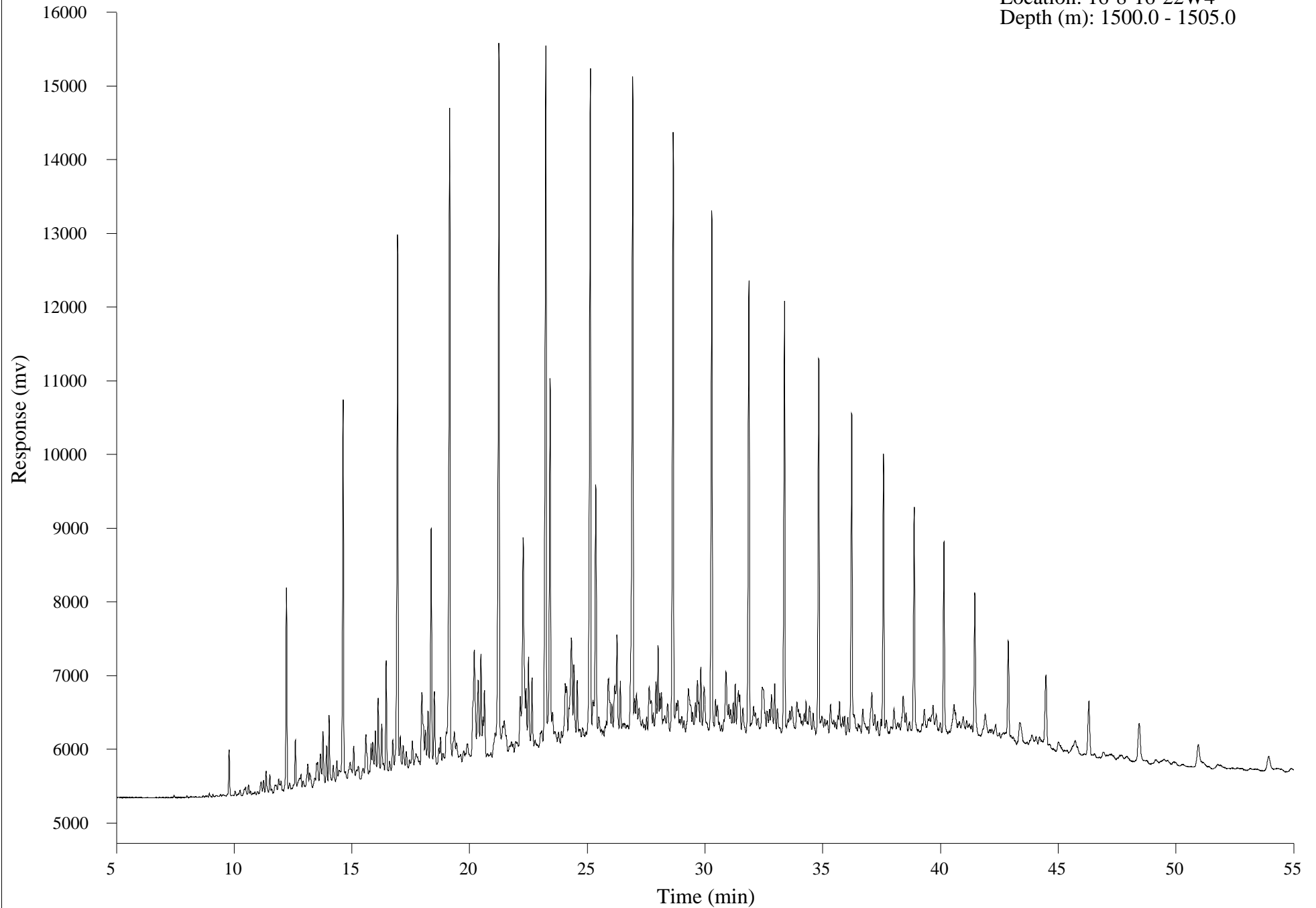
Instrument: Varian 3800 GC

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

| Time | Compound Name | Area | Height |
|-------|---------------|----------|---------|
| 9.79 | C11 | 1880.29 | 634.38 |
| 12.23 | C12 | 8383.66 | 2757.38 |
| 14.63 | C13 | 15572.82 | 5088.92 |
| 16.95 | C14 | 24419.01 | 7247.82 |
| 19.16 | C15 | 32492.27 | 8884.19 |
| 21.25 | C16 | 35952.02 | 9675.31 |
| 23.24 | C17 | 35266.84 | 9517.24 |
| 23.42 | Pr | 19059.10 | 4953.11 |
| 25.13 | C18 | 33204.22 | 9106.79 |
| 25.36 | Ph | 12813.52 | 3408.22 |
| 26.93 | C19 | 34230.19 | 8901.02 |
| 28.65 | C20 | 28737.25 | 8089.14 |
| 30.29 | C21 | 24605.70 | 7074.85 |
| 31.87 | C22 | 21968.33 | 6134.89 |
| 33.38 | C23 | 19718.07 | 5870.92 |
| 34.83 | C24 | 17378.66 | 5111.56 |
| 36.24 | C25 | 14337.83 | 4213.36 |
| 37.59 | C26 | 12930.65 | 3810.01 |
| 38.89 | C27 | 11092.94 | 3061.40 |
| 40.15 | C28 | 9198.62 | 2609.57 |
| 41.46 | C29 | 7898.09 | 1935.69 |
| 42.89 | C30 | 5336.19 | 1297.75 |
| 44.48 | C31 | 4580.71 | 941.41 |
| 46.31 | C32 | 3897.84 | 735.55 |

Saturated Hydrocarbons Gas Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



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: L02454

GSC Catalog No: C-558737

Acquisition Date: 1997-07-14

Location: 16-8-16-22W4

UWI: 100160801622W400

Upper Depth (m): 1500.0

Lower Depth (m): 1505.0

Fraction: saturate

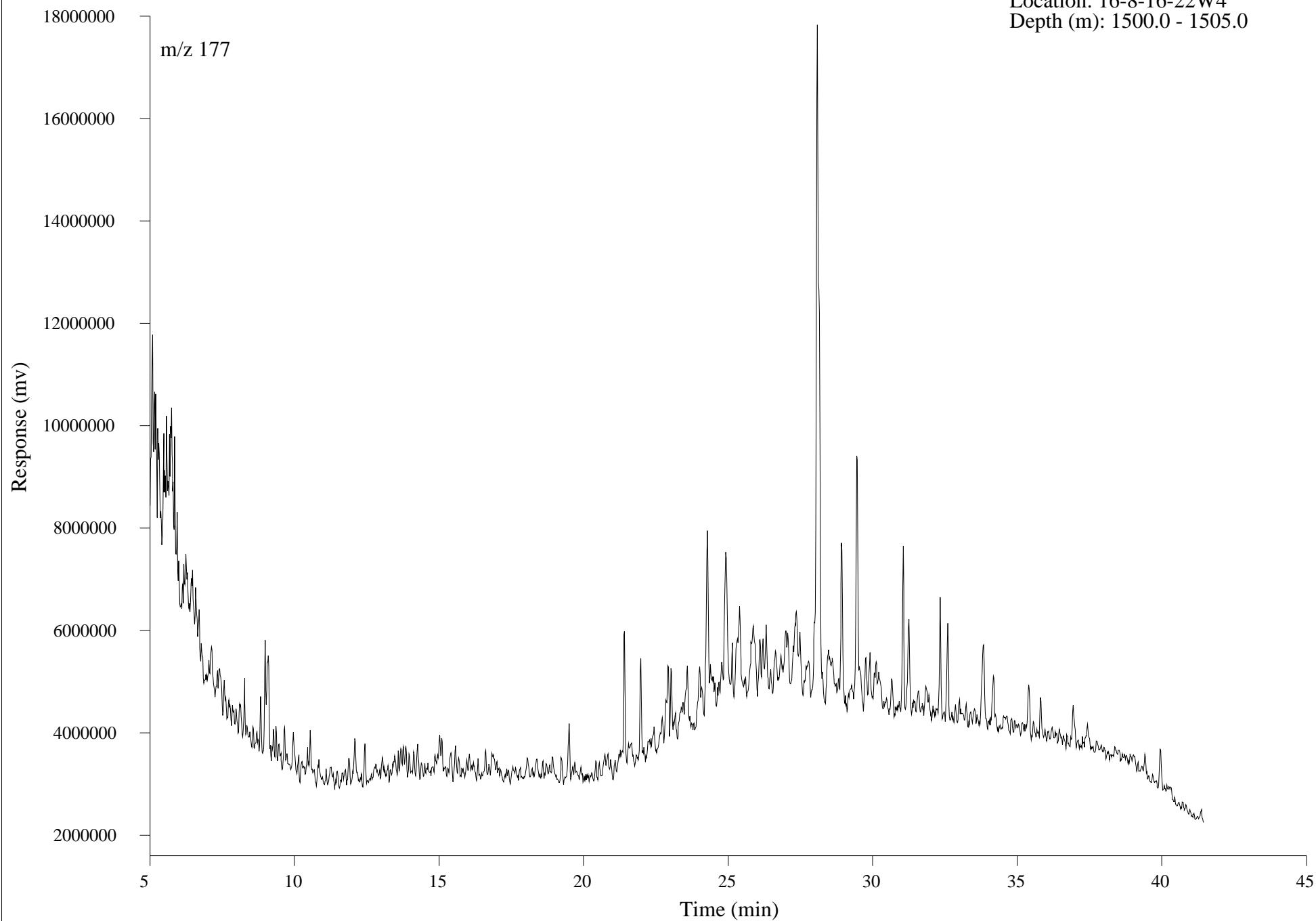
Instrument: HP 5890 GC/VG70SQ MS

MS Mode: Selected Ion Monitoring + EI

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

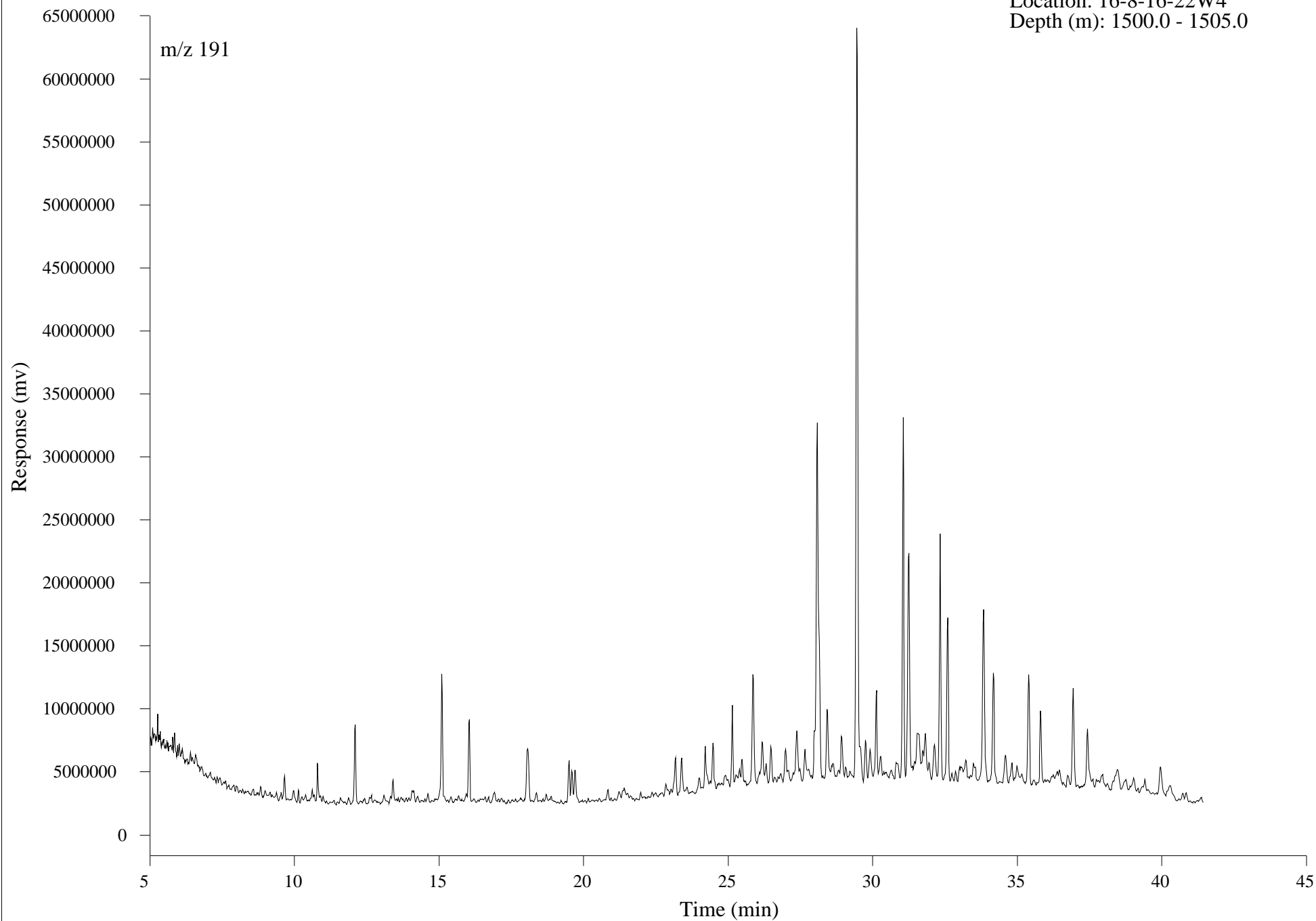
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



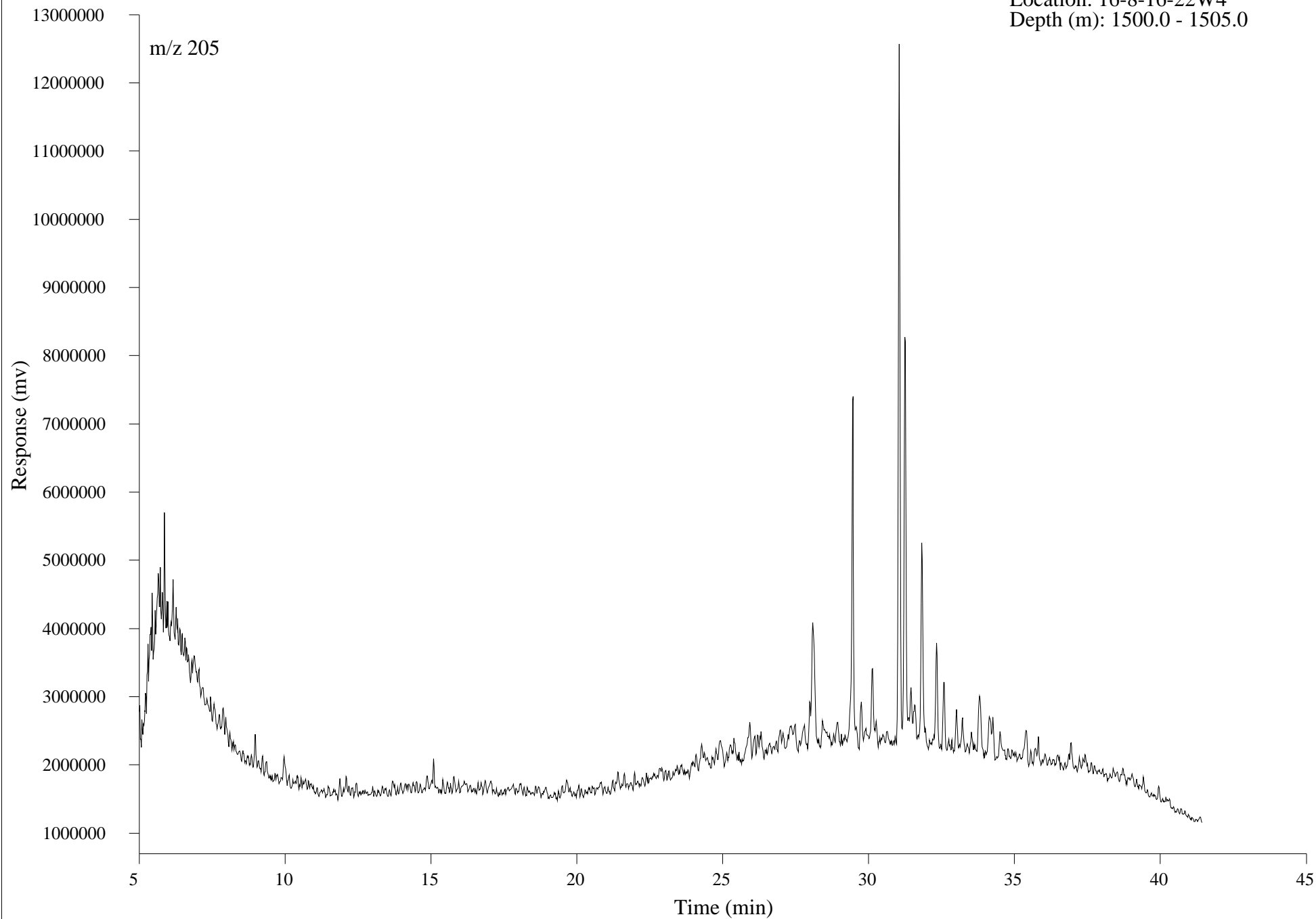
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



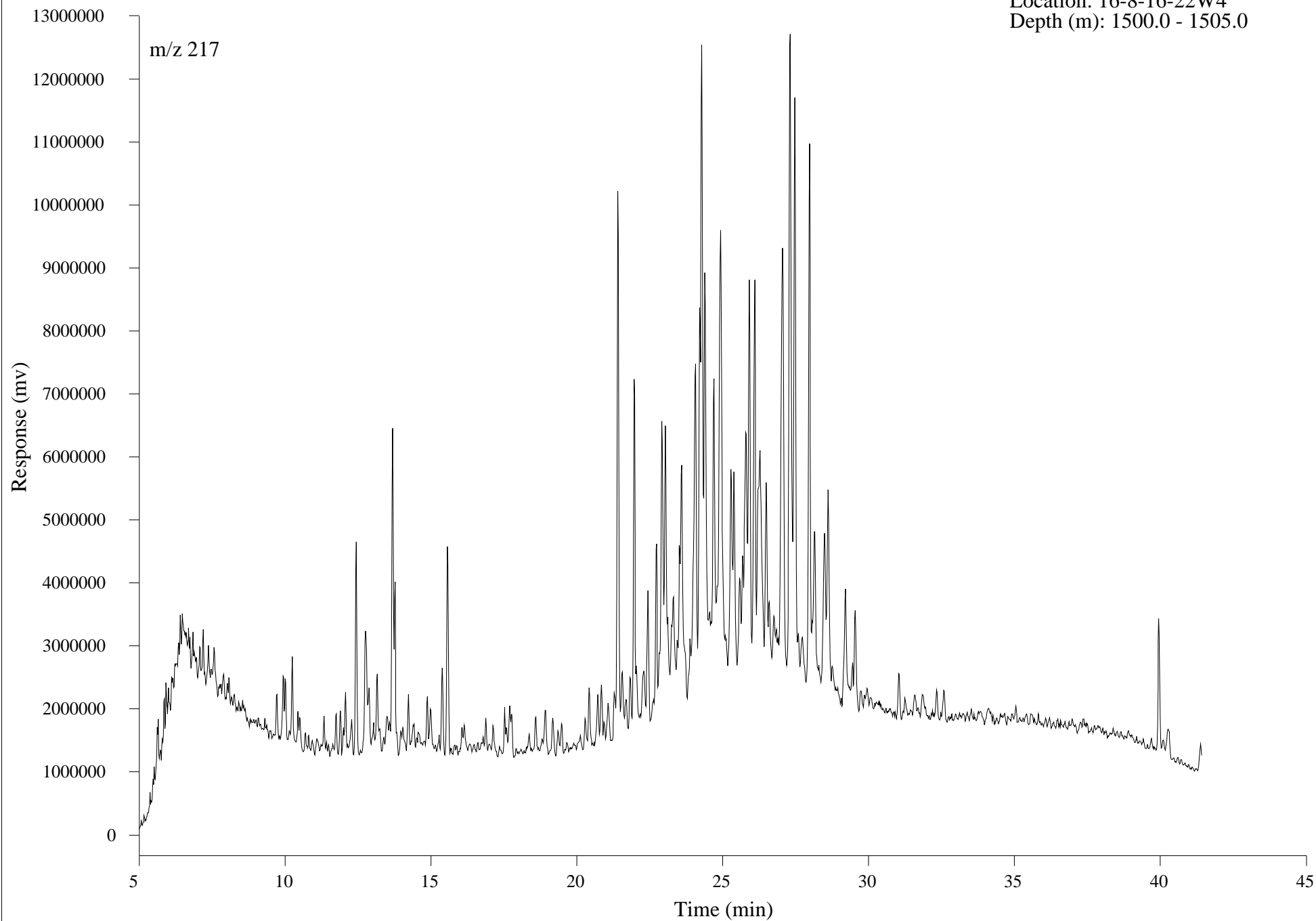
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



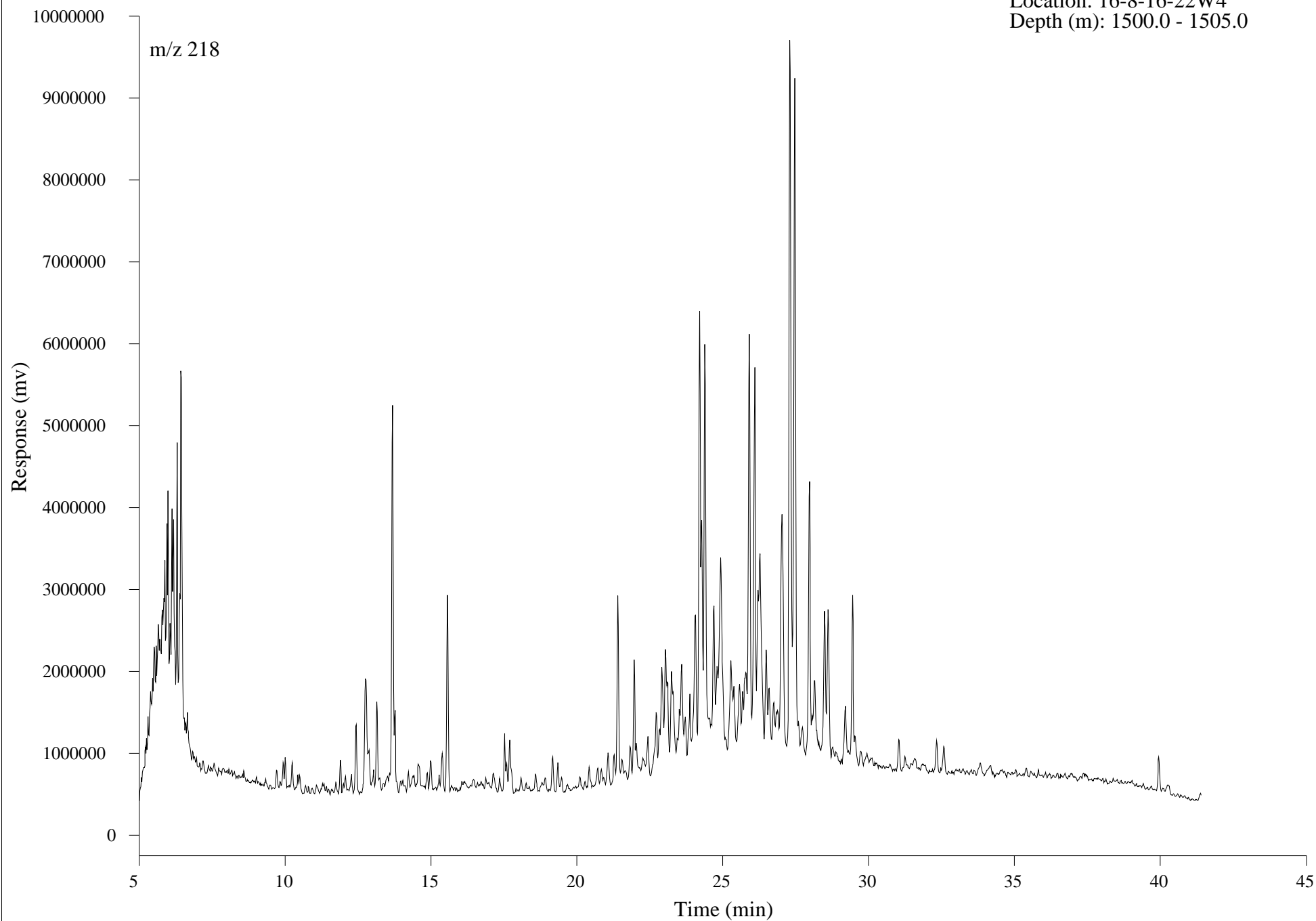
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



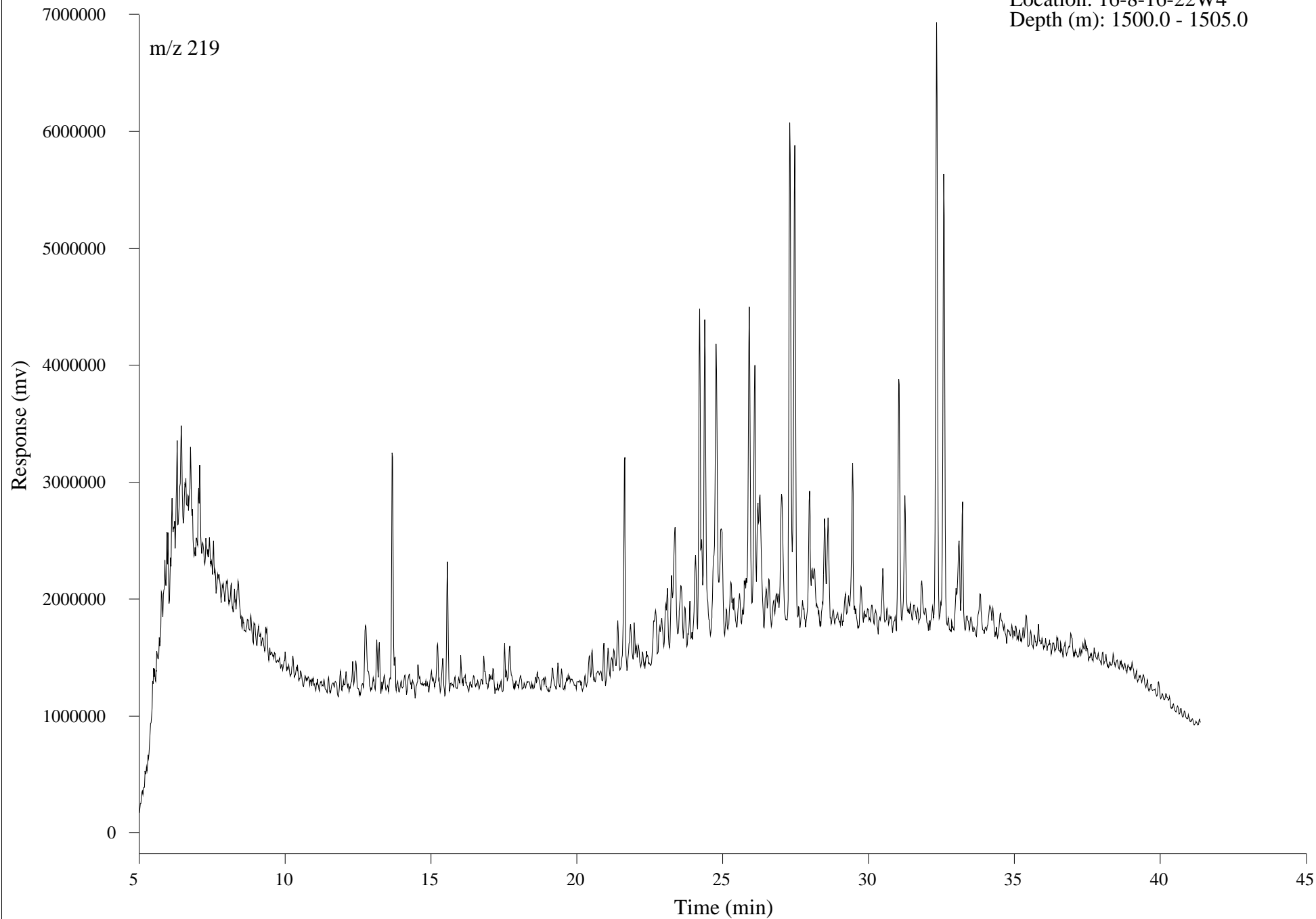
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



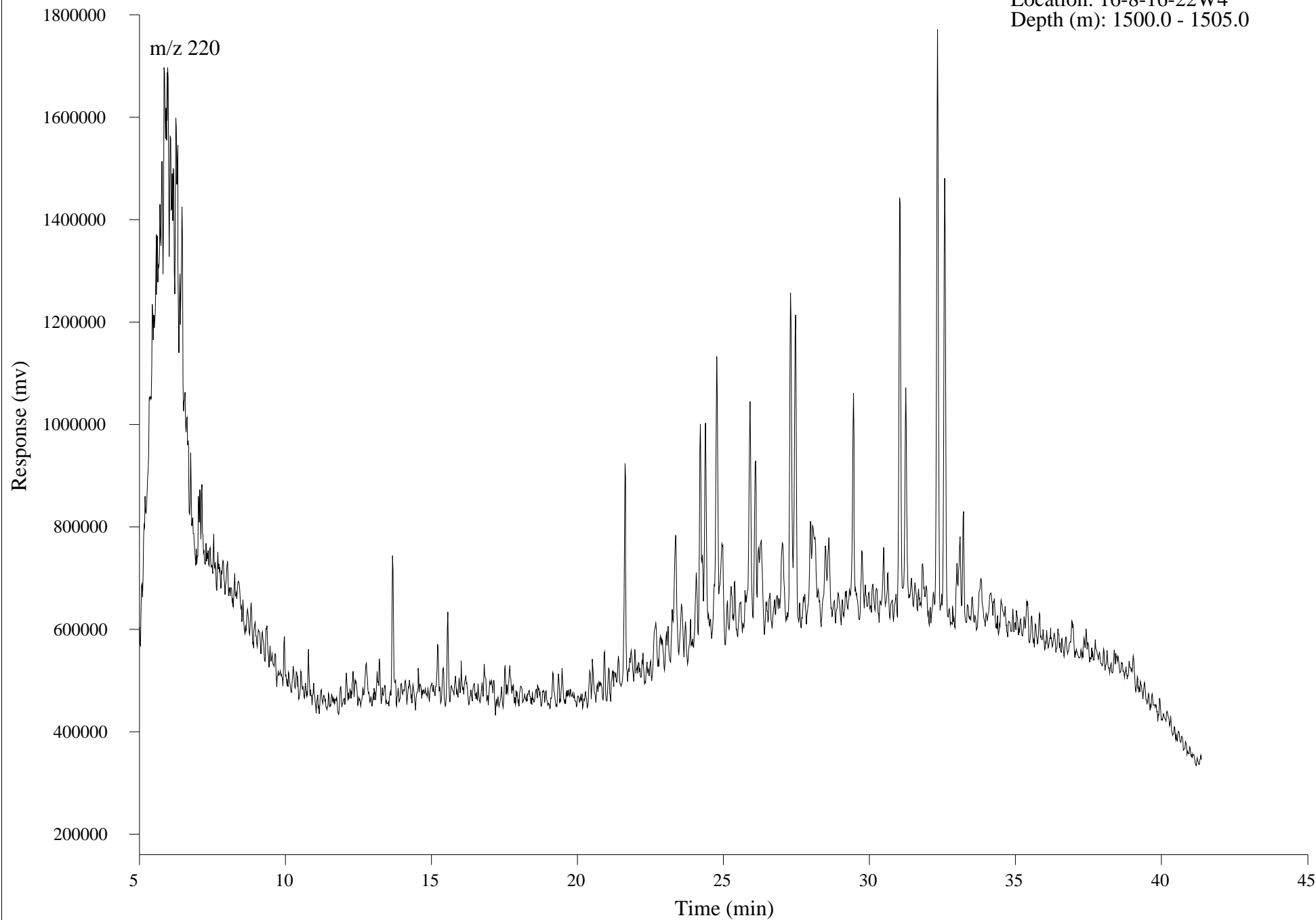
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



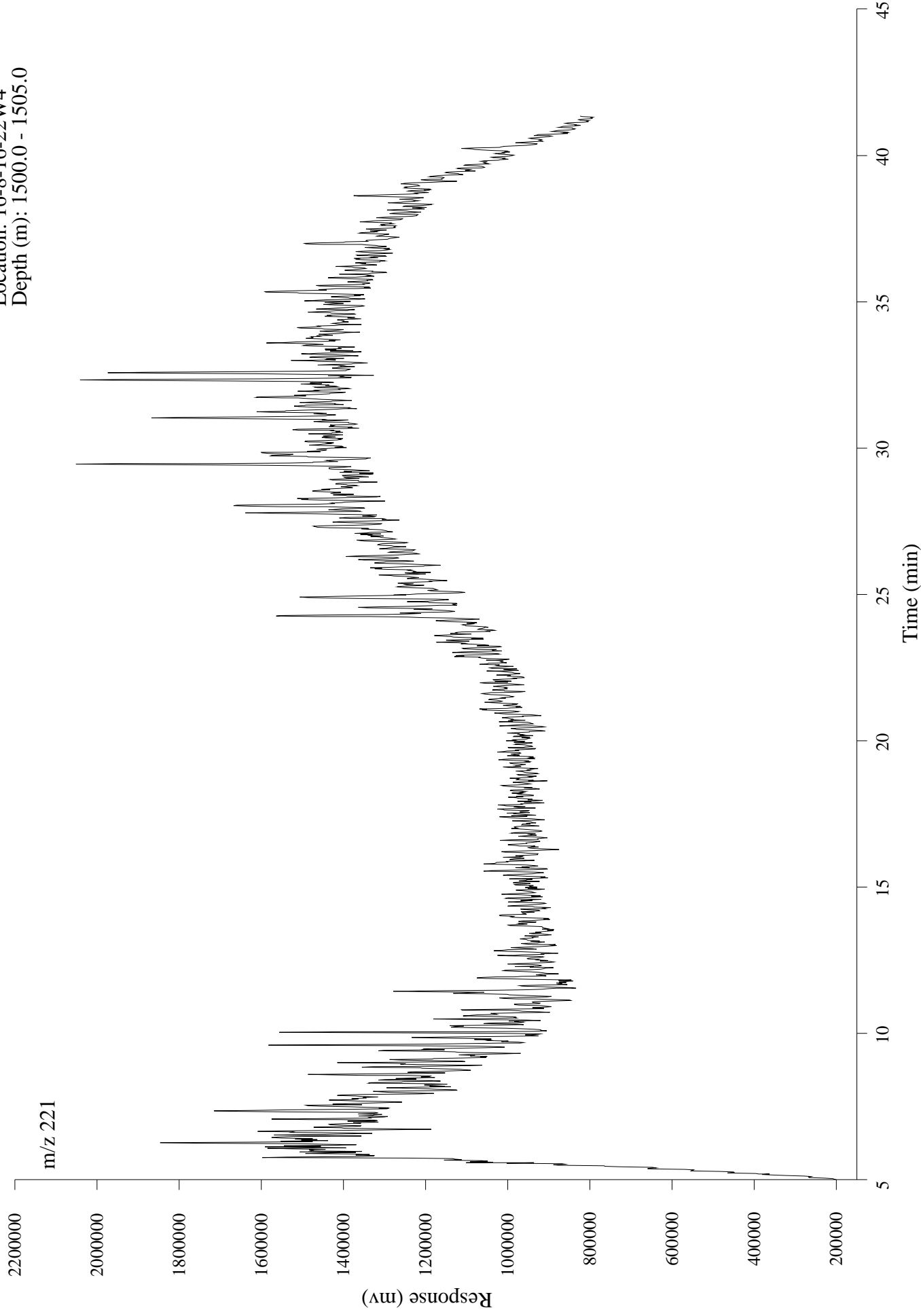
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



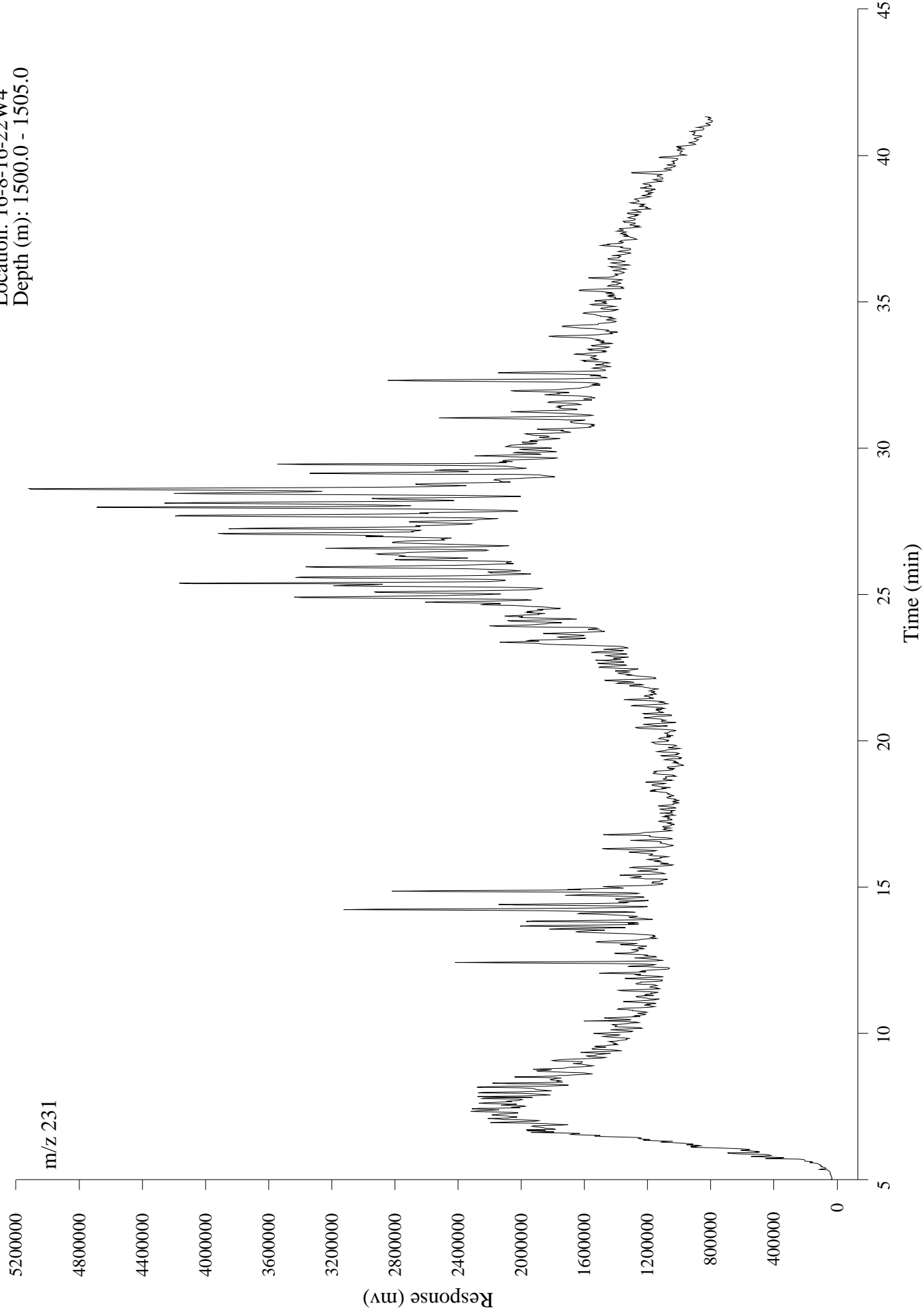
Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
GSC No: C-558737
Location: 16-8-16-22W4
Depth (m): 1500.0 - 1505.0



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Depth (m): 1500.0 - 1505.0



Saturated Hydrocarbons Mass Chromatogram

Lab Id: L02454
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Depth (m): 1500.0 - 1505.0

