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Title

GEOCHEMICAL DATA REPORT FOR WELL 15/12-4

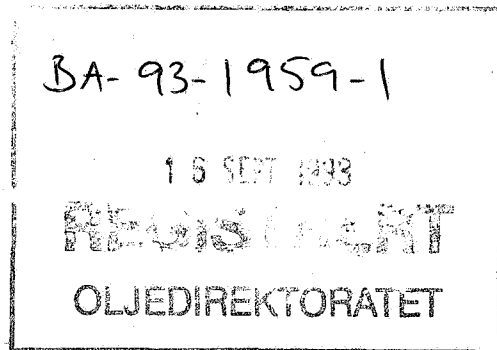
Authors(s)

NIGEL MILLS

Abstract

Seventeen samples from the cored interval in well 15/12-4 have been analysed by Iatroscan (TLC-FID) and the saturated hydrocarbon fractions from 2 samples were analysed by GC-FID and GC/MS. The aromatic hydrocarbon fractions from 2 samples were also analysed by GC-FID.

NOT INCLUDED IN WELL TRADE.



Key Words

15/12-4, geochemistry, GC-FID, GC/MS, Iatroscan

Classification: Free Saga and partners Internal Confidential Strictly confidential

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1 Objectives

The objective of this study was to characterise the extractable hydrocarbons in seventeen core samples from well 15/12-4.

2 General well information

The wells were drilled by Statoil as operator of licence 038 from 13.9.84 to 31.10.84 and reached a total depth of 3157 mRKB. The KB of the rig was 23 metres, and the water depth was 87 metres.

3 Samples and analytical scheme

Seventeen samples were picked from the cored interval in the wells on the 7th of September 1992. All samples were analysed by Iatroscan (TLC-FID), and the saturated hydrocarbon fractions from two samples were analysed by GC-FID and GC/MS. The aromatic hydrocarbon fractions were also analysed by GC-FID.

4 Vitrinite reflectance

No samples were analysed.

5 TOC and Rock Eval

No samples were analysed.

6 Iatroscan (TLC-FID)

Seventeen samples were analysed, and the results are tabulated in table 1.

7 GC-FID

The saturated and aromatic hydrocarbon fractions from two samples were analysed by GC-FID. Since the evaporative loss has affected the relative concentration of individual compounds, no ratios were calculated. The GC-FID chromatograms are shown in figure 1.

8 GC/MS

The saturated hydrocarbon fraction from the samples were analysed by GC/MS and the mass chromatograms for m/z 191, 177, 217 and 218 are shown in figure 2.

9 Stable carbon isotopes

No samples were analysed.

Tab. 1

SAGLAB RESULTS MANAGEMENT : EXTRACTION ANALYSIS RESULTS in mg/g Rock

Data for Well 15/12-4

Page 1

Type	St.Depth	En.Depth	Weight (g)	EOM mg/g Rock	EOM mg/g TOC	Sat (mg/g)	Aro (mg/g)	NSO (mg/g)	Asph (mg/g)	Polars (mg/g)	TOC (%)	M/I
CCP	2496.15	2496.15	2.28	6.75		3.93	1.11			1.72		I
CCP	2498.00	2498.00	1.95	0.17		0.12	0.00			0.06		I
CCP	2500.80	2500.80	2.08	0.00		0.00	0.00			0.00		I
CCP	2504.80	2504.80	2.83	0.00		0.00	0.00			0.00		I
CCP	2509.35	2509.35	2.57	0.00		0.00	0.00			0.00		I
CCP	2512.75	2512.75	2.45	0.00		0.00	0.00			0.00		I
CCP	2902.50	2902.50	2.84	0.19		0.07	0.00			0.13		I
CCP	2904.55	2904.55	2.15	0.00		0.00	0.00			0.00		I
CCP	2907.55	2907.55	2.86	0.00		0.00	0.00			0.00		I
CCP	2910.70	2910.70	1.95	1.15		0.65	0.12			0.38		I
CCP	2911.60	2911.60	2.85	11.07		6.97	3.13			0.97		I
CCP	2912.45	2912.45	2.84	8.01		5.48	1.76			0.77		I
CCP	2913.60	2913.60	2.79	6.87		4.24	1.76			0.87		I
CCP	2914.50	2914.50	3.00	0.10		0.05	0.00			0.05		I
CCP	2916.55	2916.55	2.70	0.00		0.00	0.00			0.00		I

17 RESULT(s) selected ..., from the following search criteria:

Nat: NOR, Well: 15/12-4, Type:
CCP, Depth between: 0.000 and
99999.990 m

SAGLAB RESULTS MANAGEMENT : EXTRACTION ANALYSIS RESULTS in mg/g Rock

Data for Well 15/12-4

Page 2

Type	St.Depth	En.Depth	Weight (g)	EOM mg/g Rock	EOM mg/g TOC	Sat (mg/g)	Aro (mg/g)	NSO (mg/g)	Asph (mg/g)	Polars (mg/g)	TOC (%)	M/I
CCP	2918.50	2918.50	2.72	0.00		0.00	0.00			0.00		I
CCP	2919.45	2919.45	2.75	0.00		0.00	0.00			0.00		I
Averages this Well:				2.02	0.00	1.27	0.46	0.00	0.00	0.29	0.00	
Averages all Wells:				2.02	0.00	1.27	0.46	0.00	0.00	0.29	0.00	

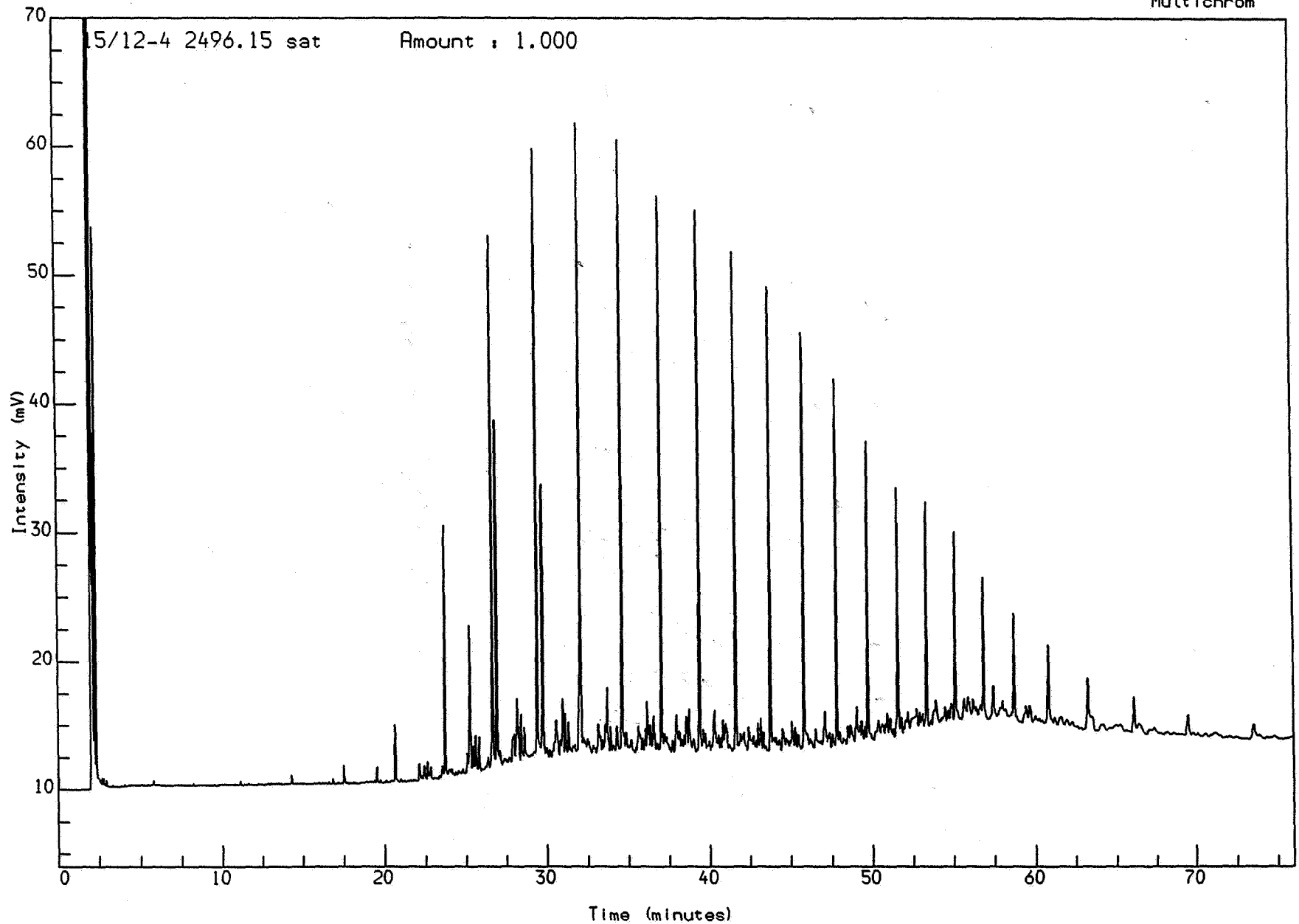
17 RESULT(s) selected ..., from the following search criteria:

Nat: NOR, Well: 15/12-4, Type:

CCP, Depth between: 0.000 and

99999.990 m

Fig. 1

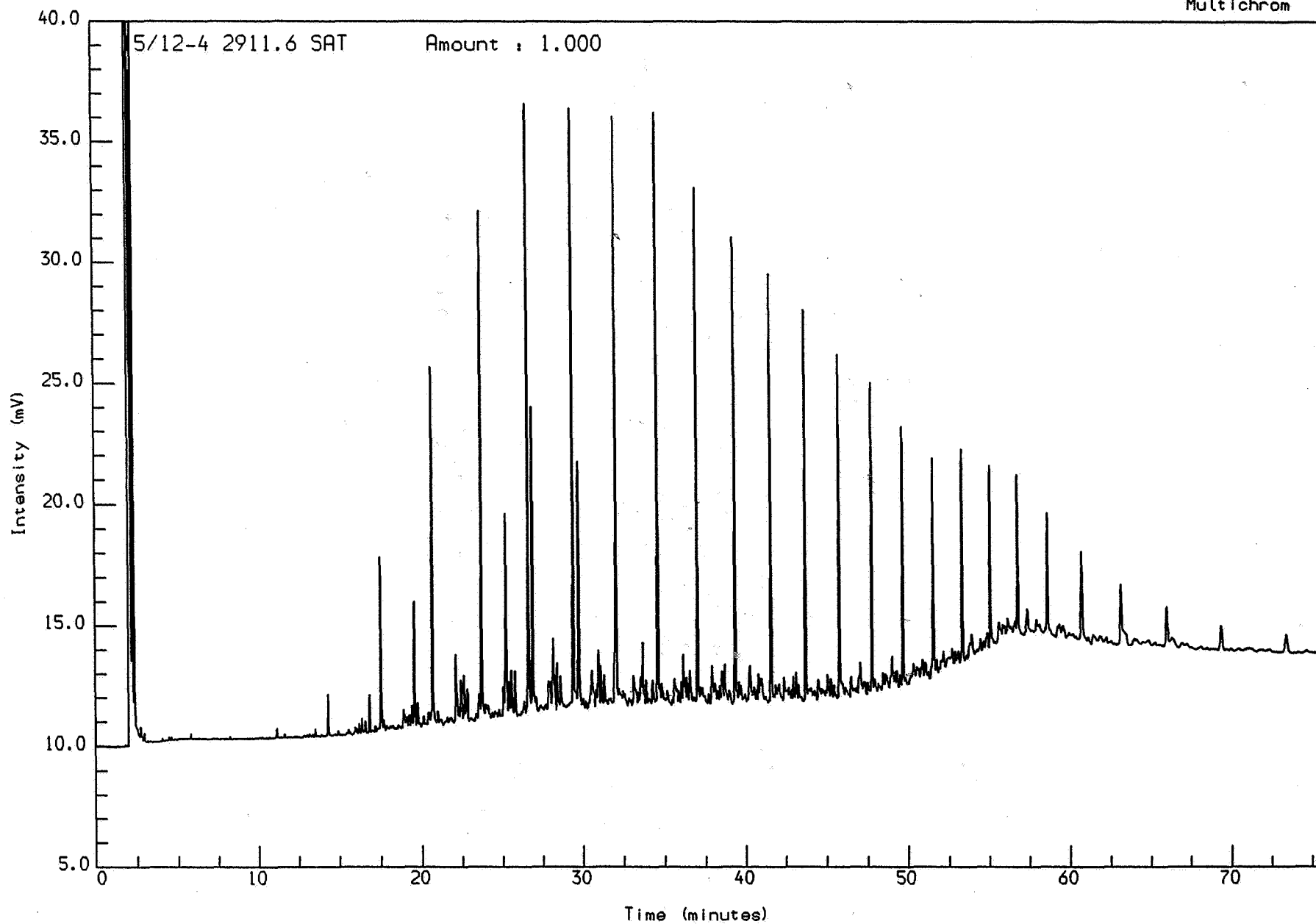


Acquired on 30-SEP-1992 at 16:06

Reported on 2-OCT-1992 at 13:20

Analysis Name : [DEL-PROJECT] 3 S101,14,1.

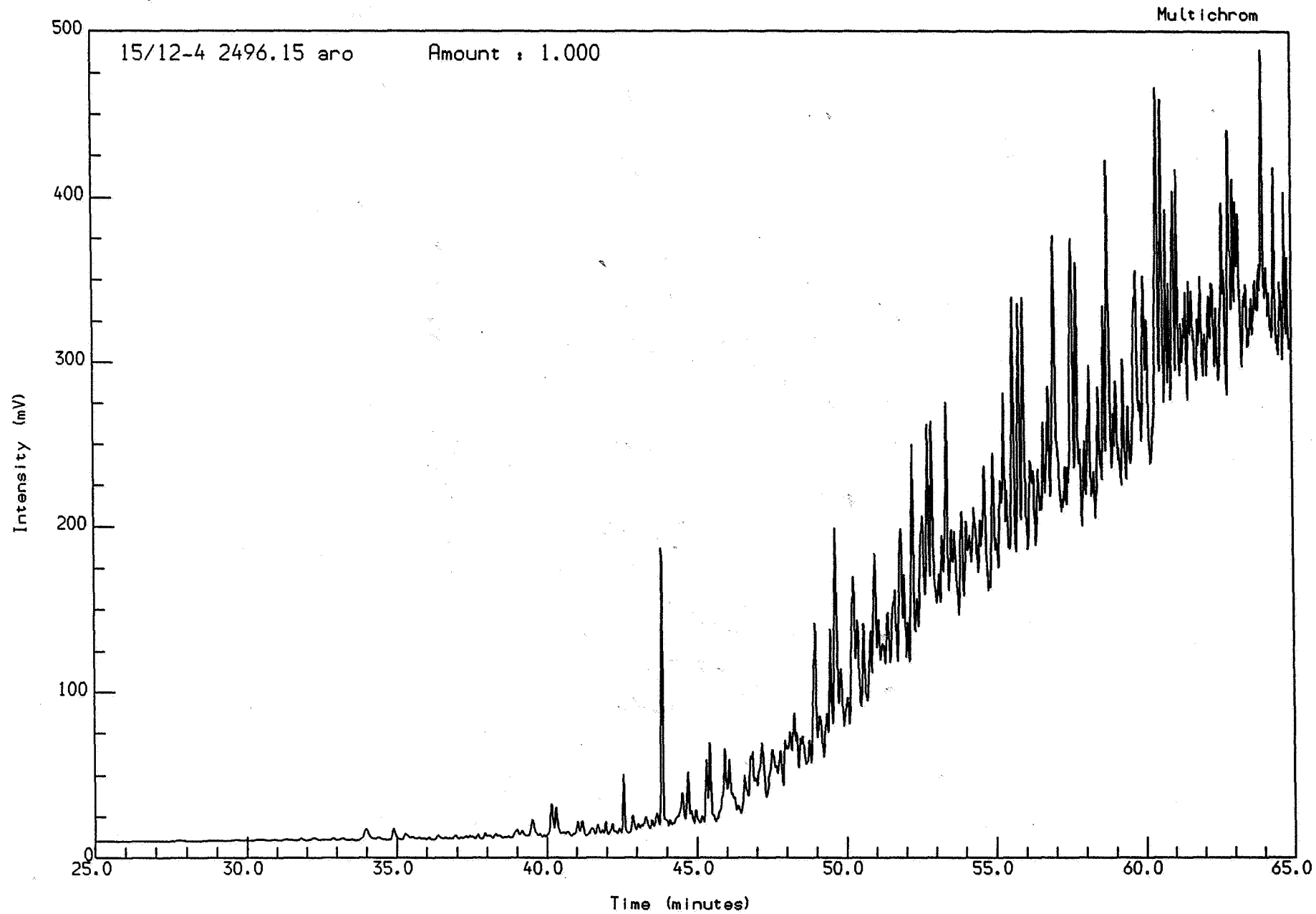
Multichrom



Acquired on 30-SEP-1992 at 07:17

Reported on 2-OCT-1992 at 13:14

Analysis Name : [D⁺-PROJECT] 1 H158,3,1.

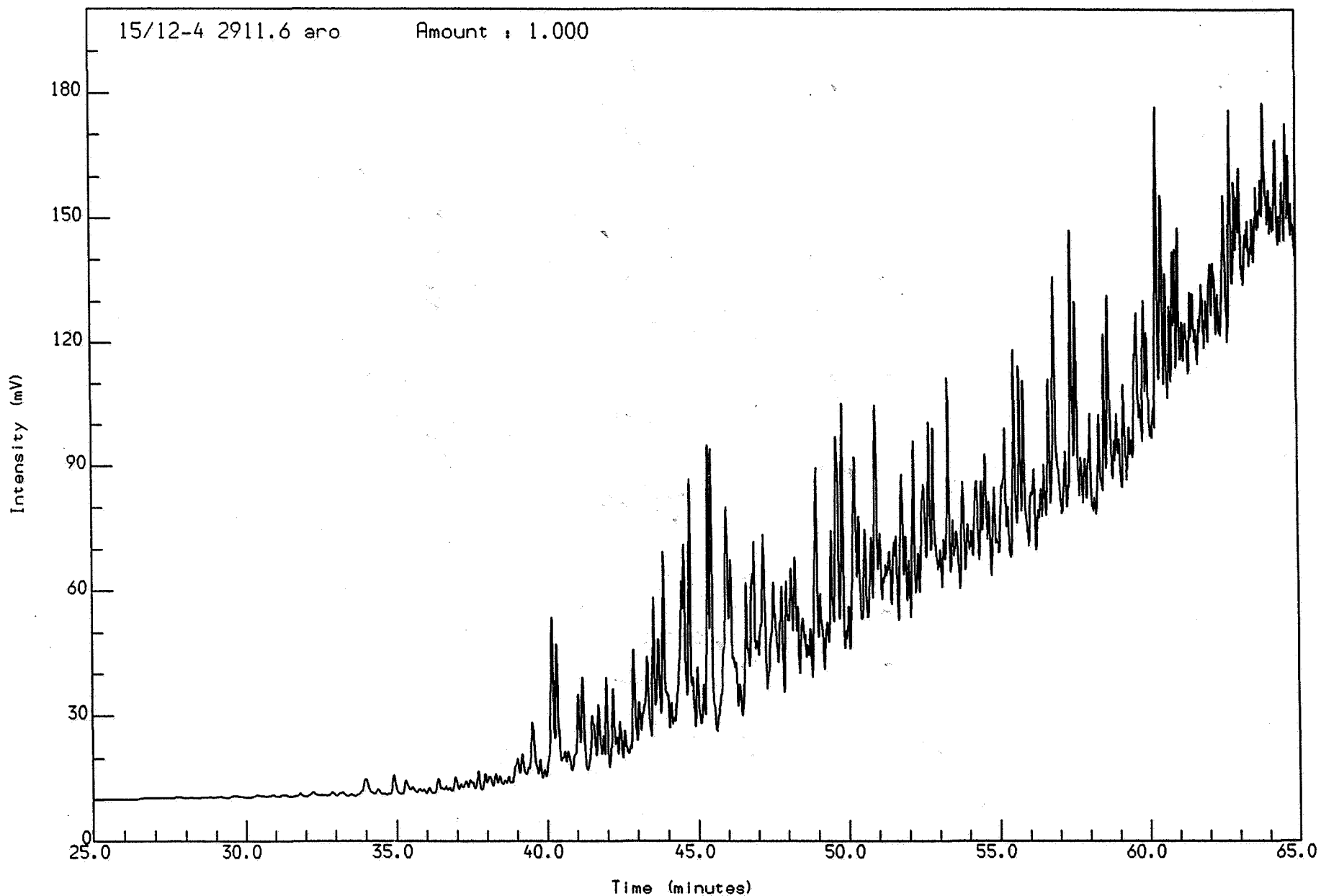


Acquired on 5-OCT-1992 at 13:50

Reported on 6-OCT-1992 at 09:02

Analysis Name : [D PROJECT] 1 A158,4,1.

Multichrom



Acquired on 5-OCT-1992 at 15:19

Reported on 6-OCT-1992 at 09:02

Fig. 2

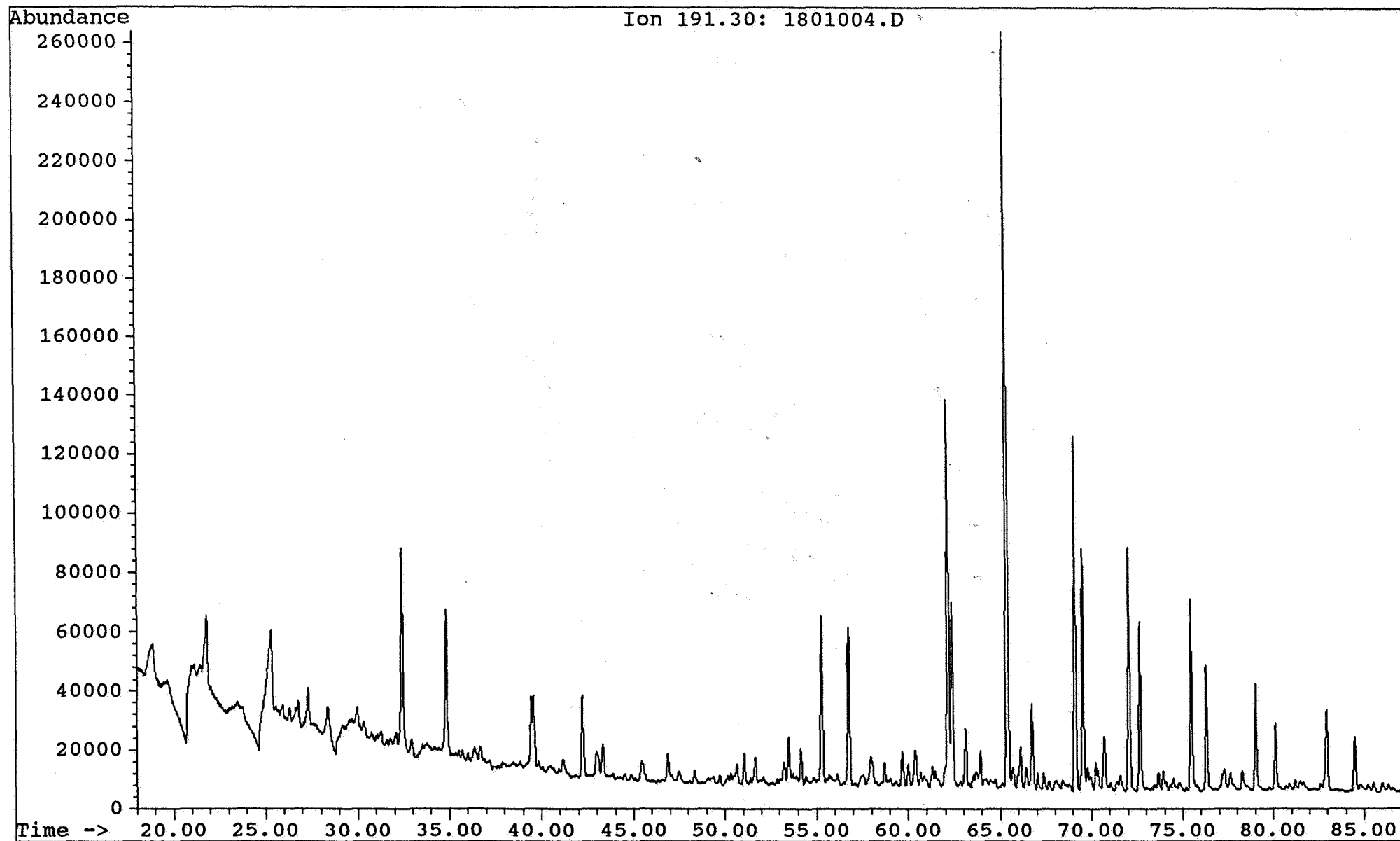
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1801004.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 8:19 pm

Sample name:

WELL 15/12-4 2496,15 sat



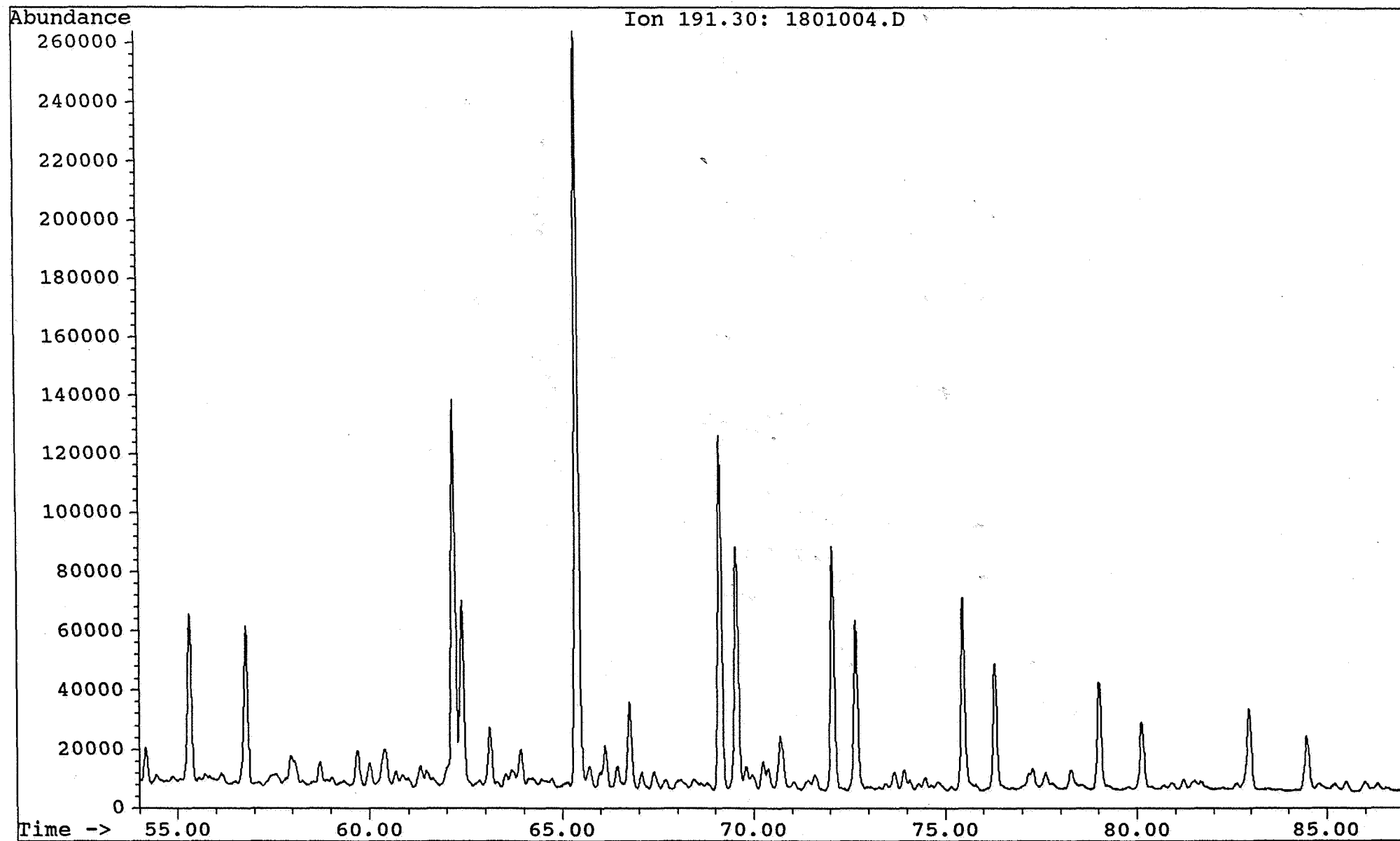
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1801004.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 8:19 pm

Sample name:

WELL 15/12-4 2496,15 sat



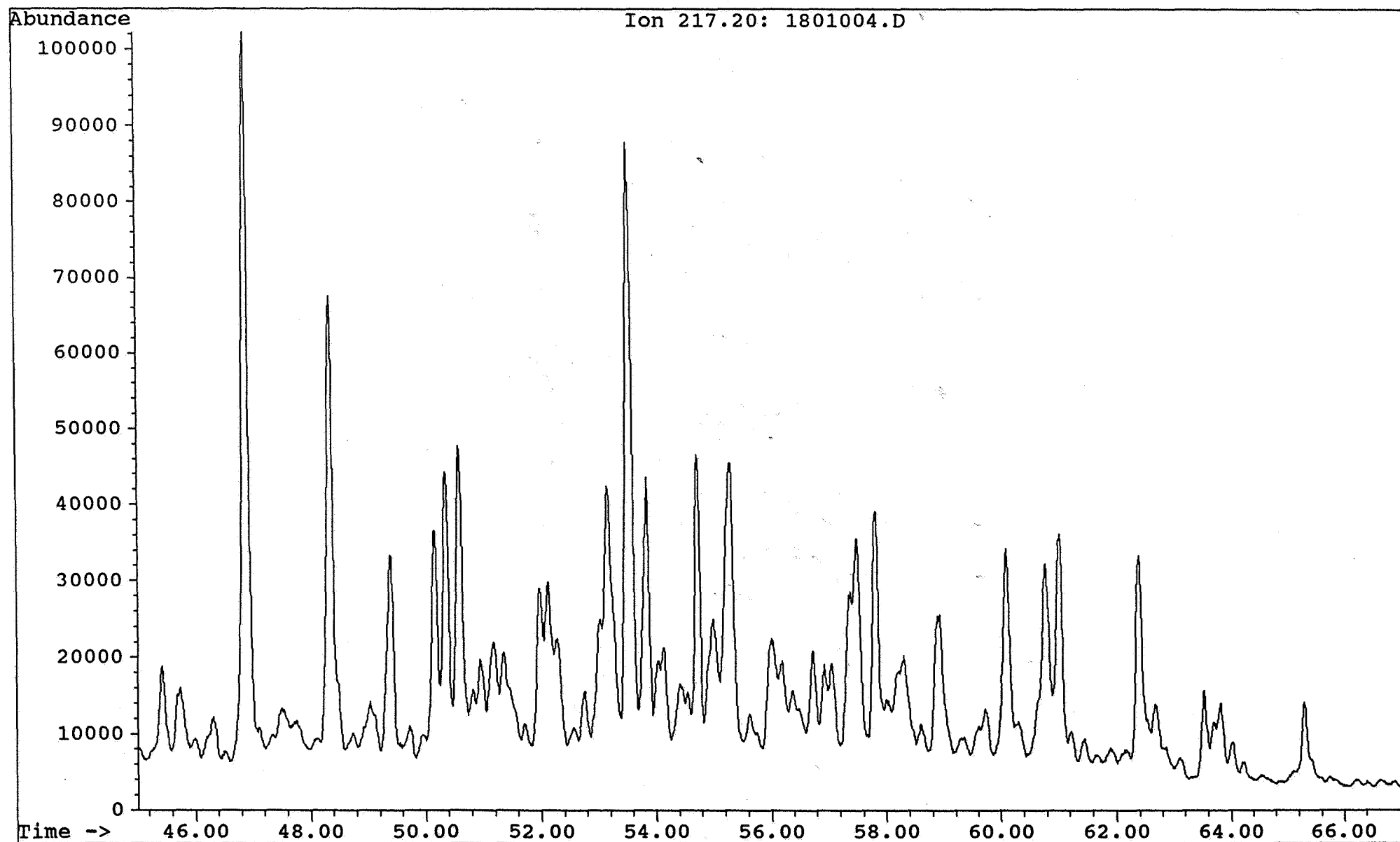
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1801004.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 8:19 pm

Sample name:

WELL 15/12-4 2496,15 sat



Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1801004.D

Inst: HP5971A

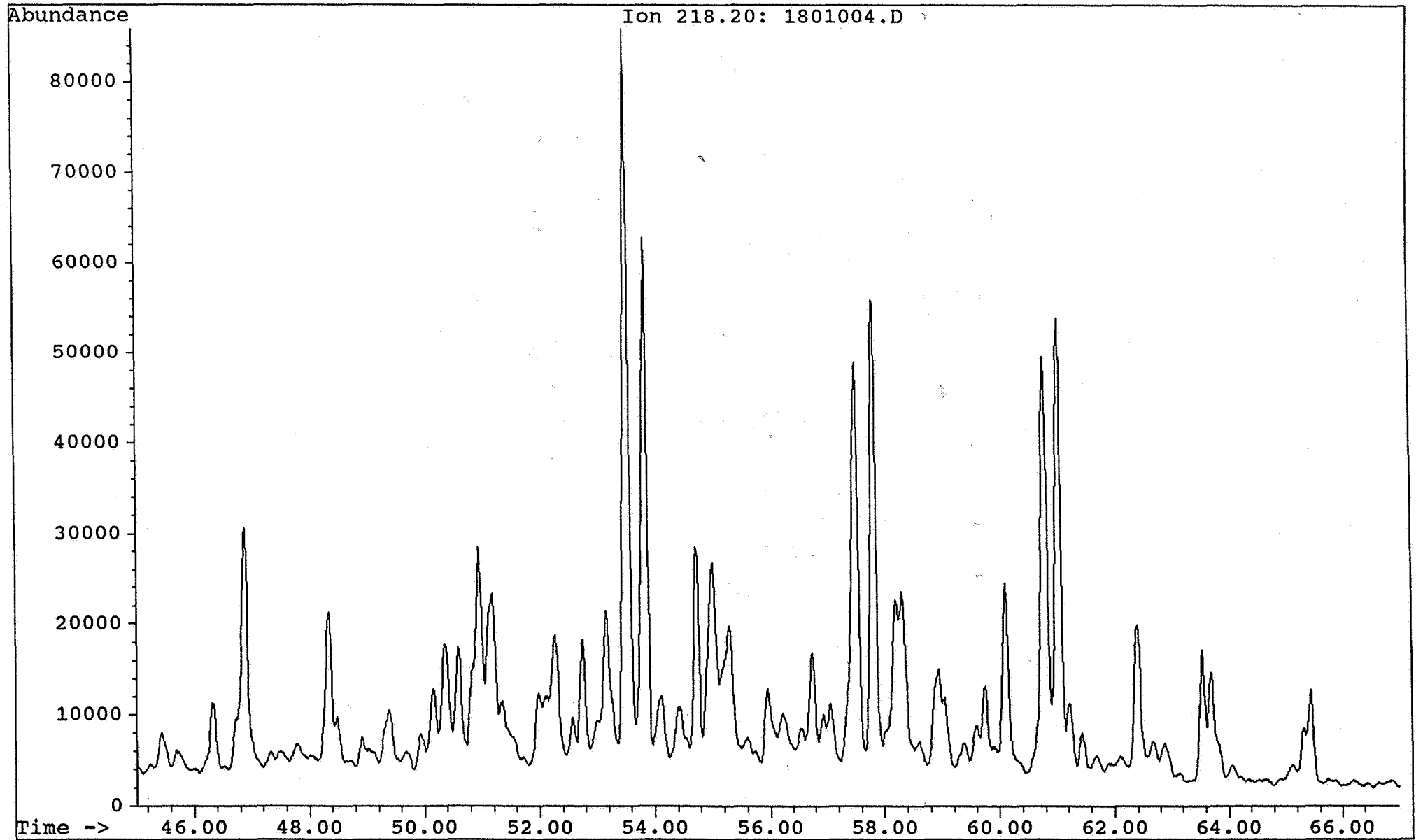
Inj: Split

Date acquired: 2 Oct 92 8:19 pm

Meth: BMS.M

Sample name:

WELL 15/12-4 2496,15 sat



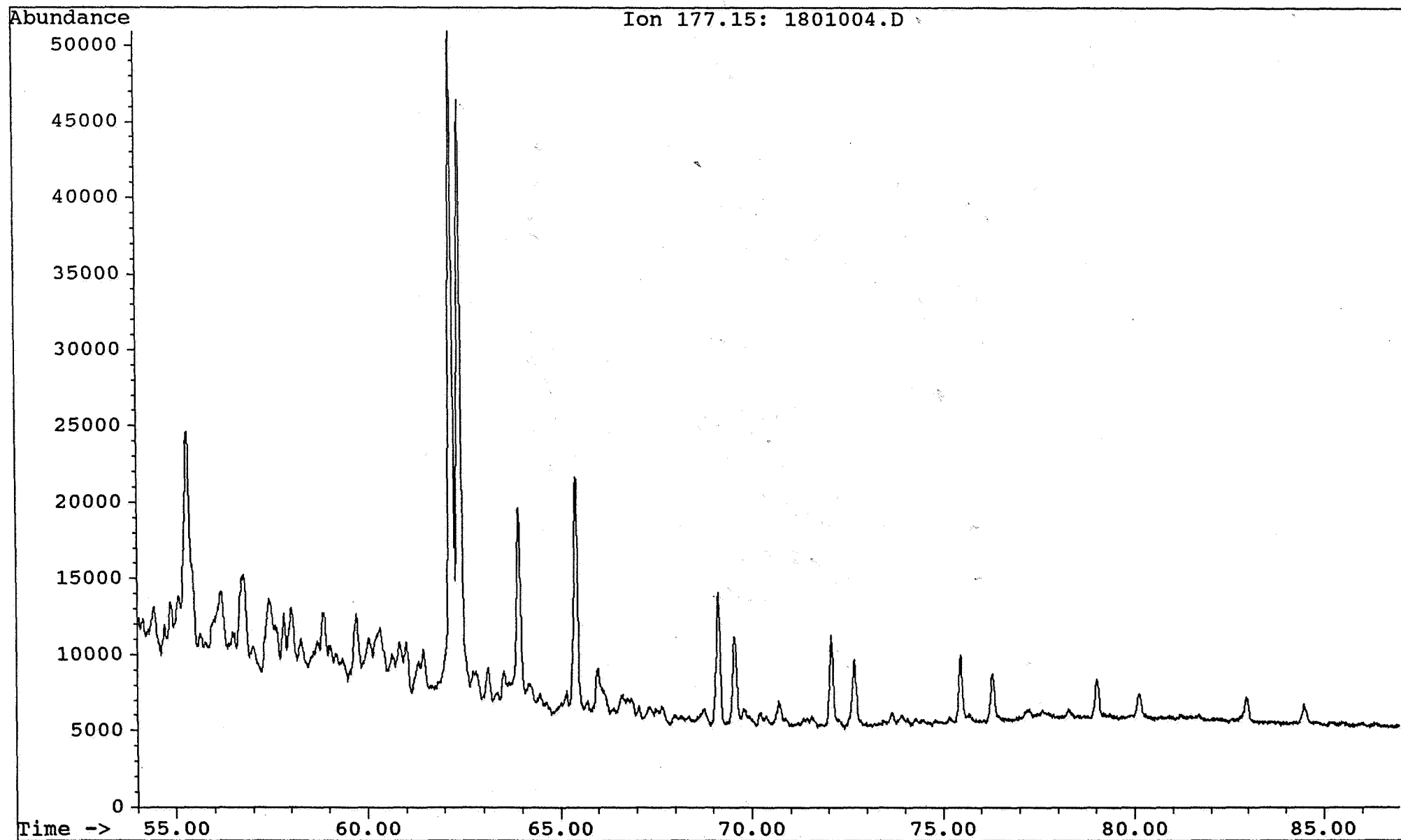
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1801004.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 8:19 pm

Sample name:

WELL 15/12-4 2496,15 sat



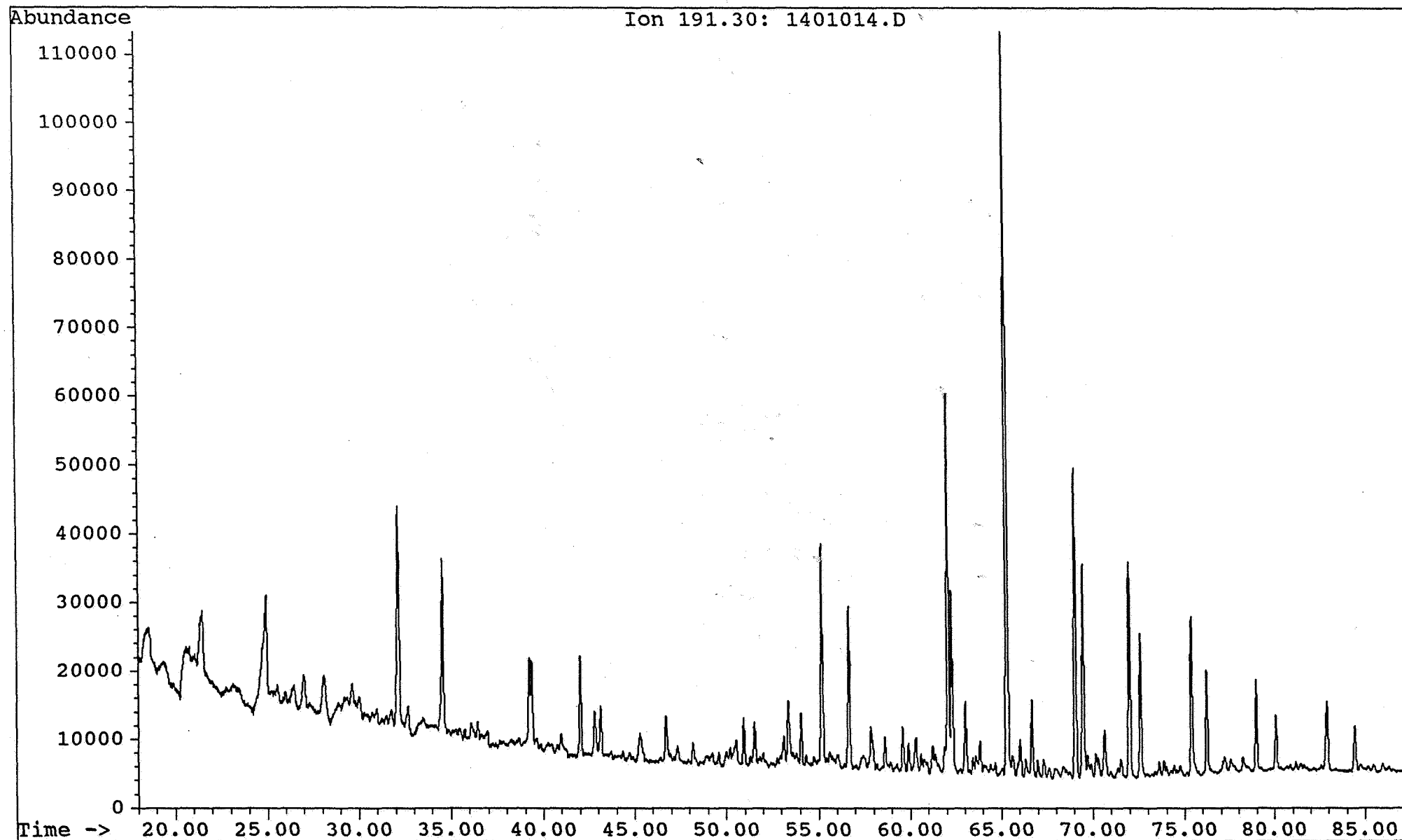
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1401014.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 9:09 am

Sample name:

WELL 15/12-4 2911,6 sat



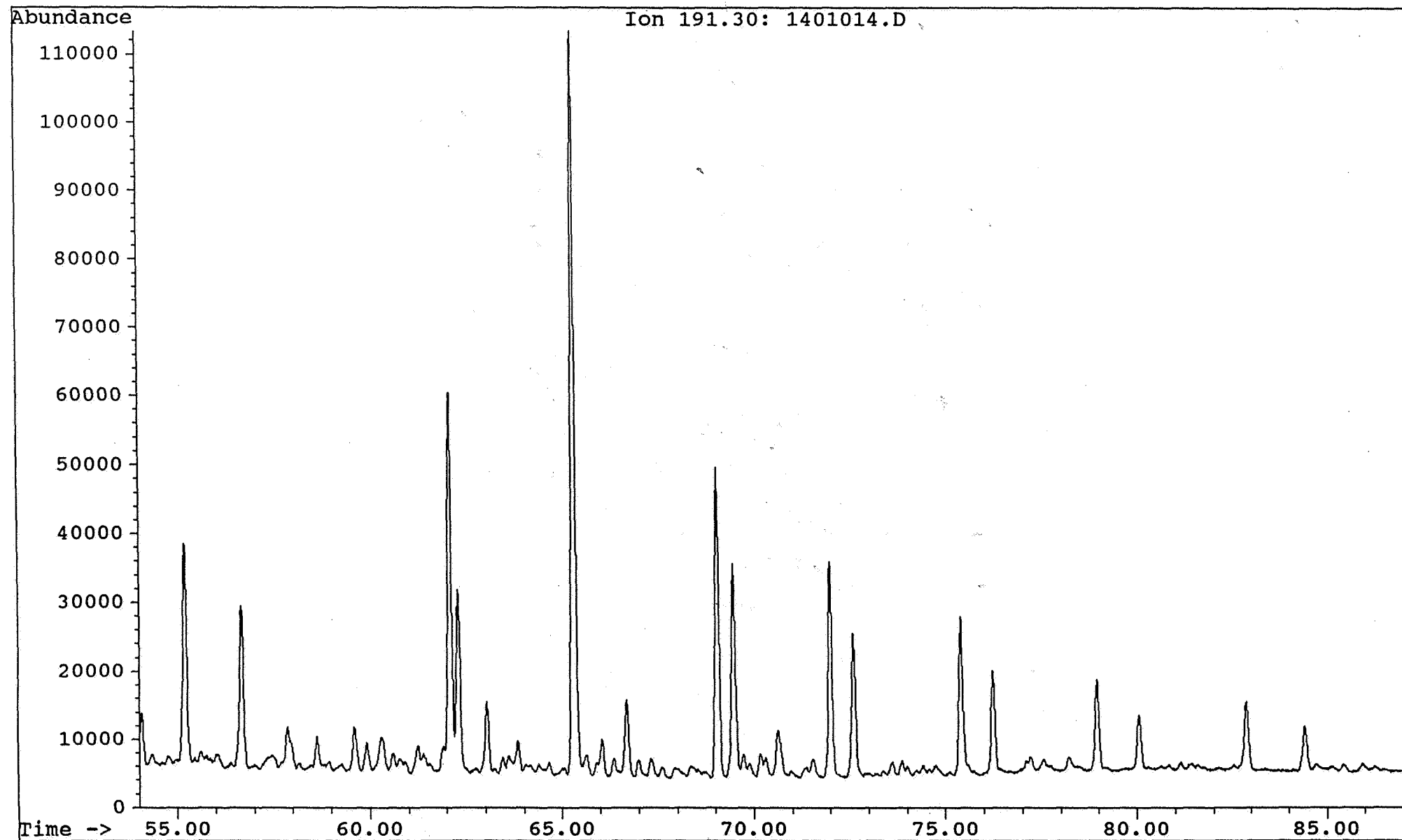
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1401014.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 9:09 am

Sample name:

WELL 15/12-4 2911,6 sat



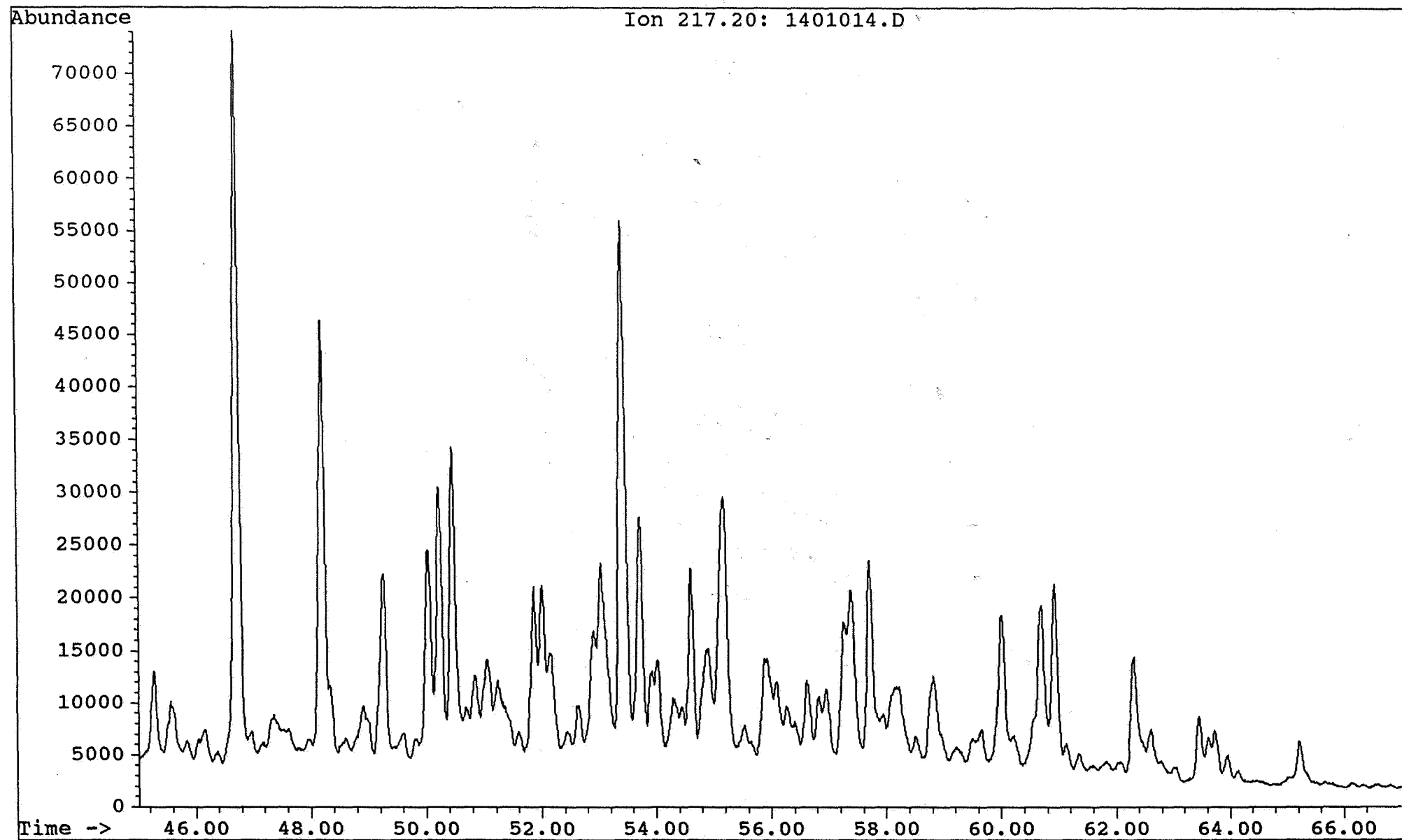
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1401014.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 9:09 am

Sample name:

WELL 15/12-4 2911,6 sat



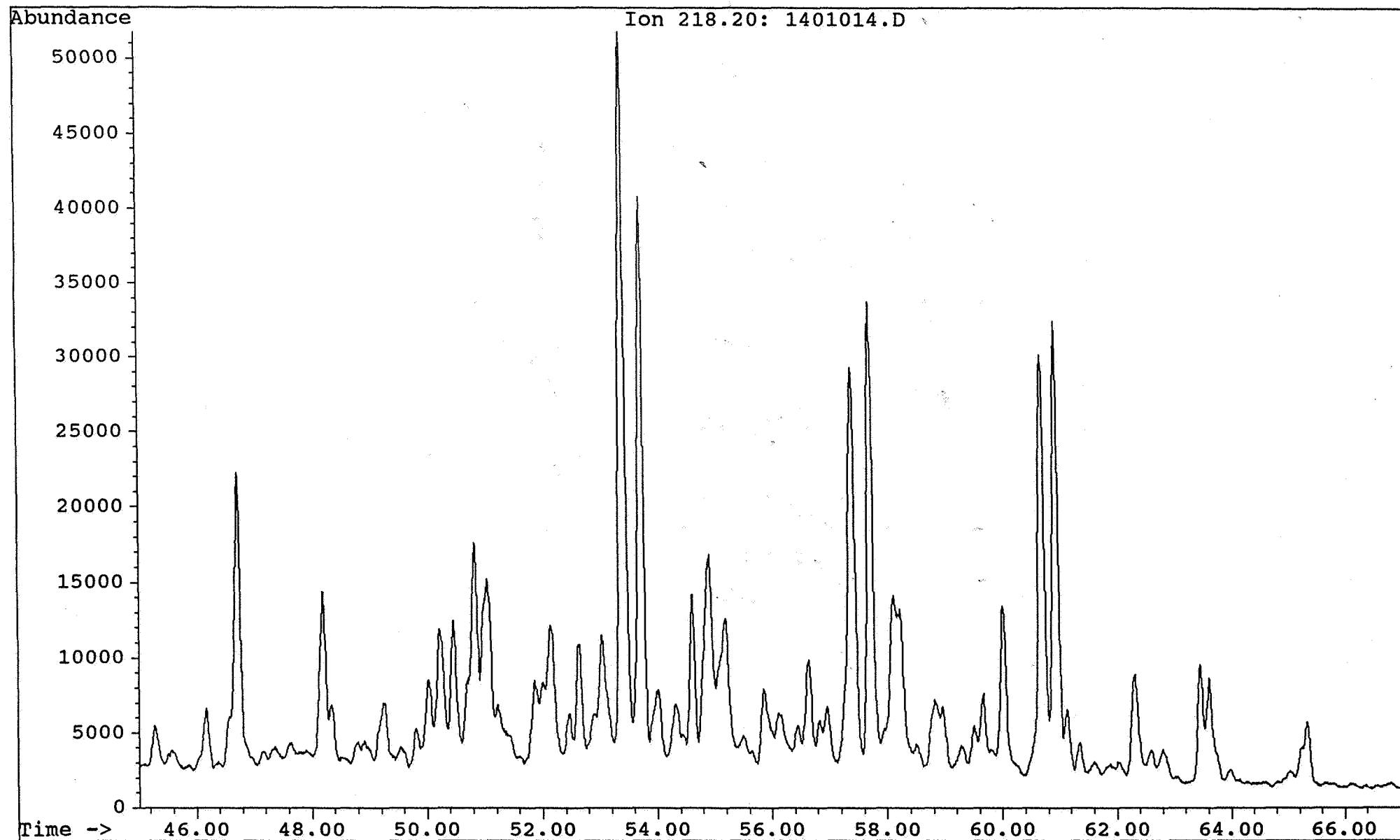
Saga Petroleum a.s.

File: C:\CHEMPC\DATA\KVAD7_15\1401014.D Inst: HP5971A Inj: Split Meth: BMS.M

Date acquired: 2 Oct 92 9:09 am

Sample name:

WELL 15/12-4 2911,6 sat



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