

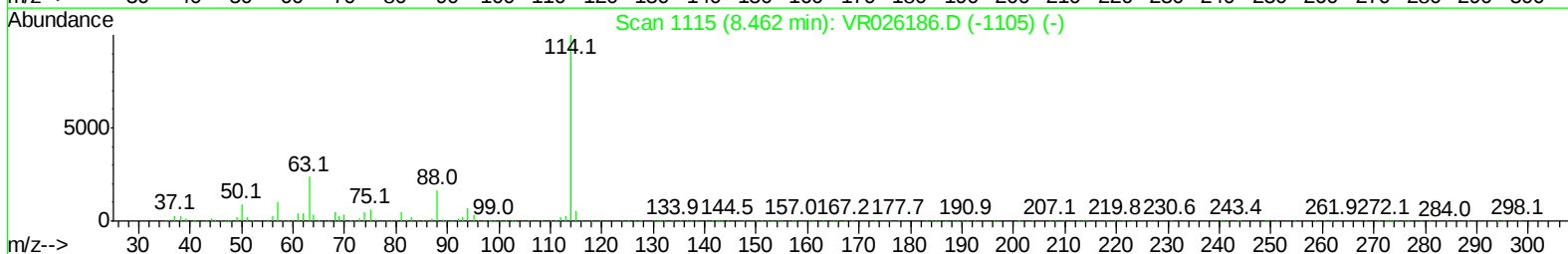
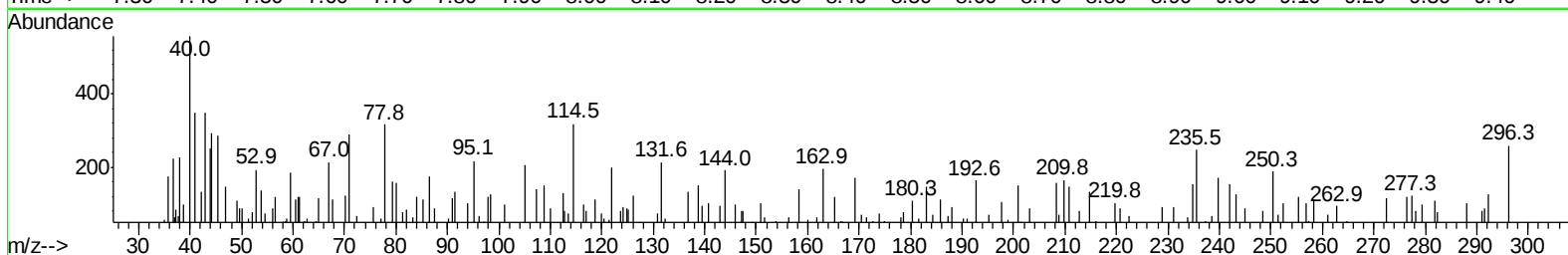
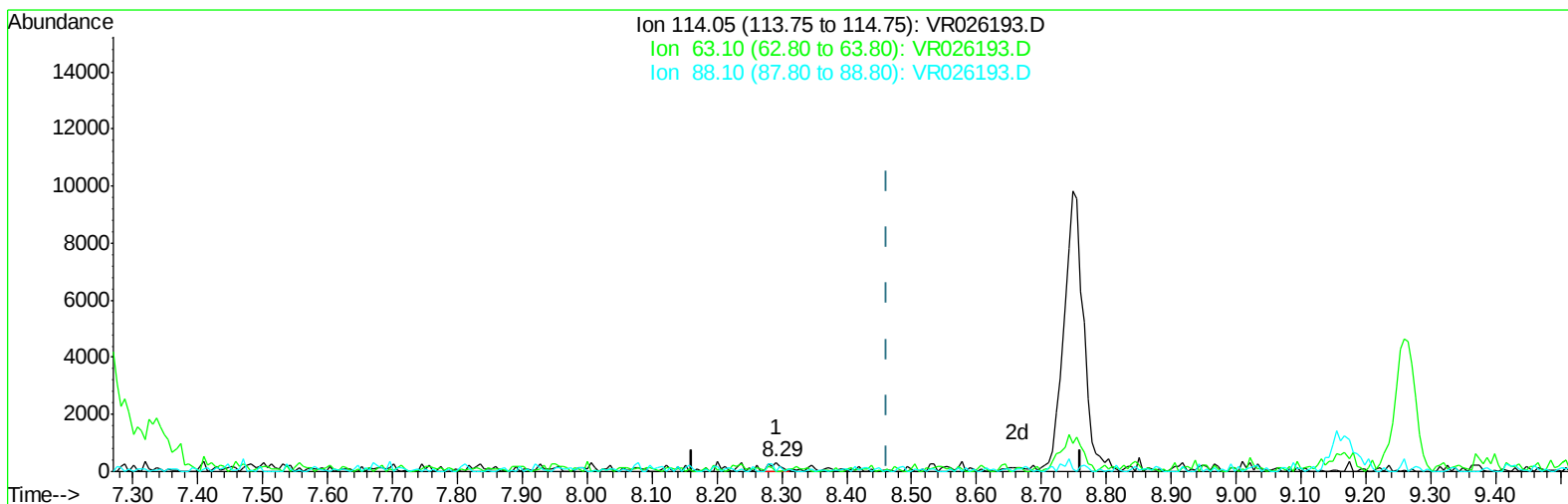
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:20:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(1) 1,4-Difluorobenzene (I)

8.292min (-0.170) 5.00ug/L

response 383

Ion	Exp%	Act%
114.05	100	100
63.10	25.40	29.24
88.10	17.20	82.51#
0.00	0.00	0.00

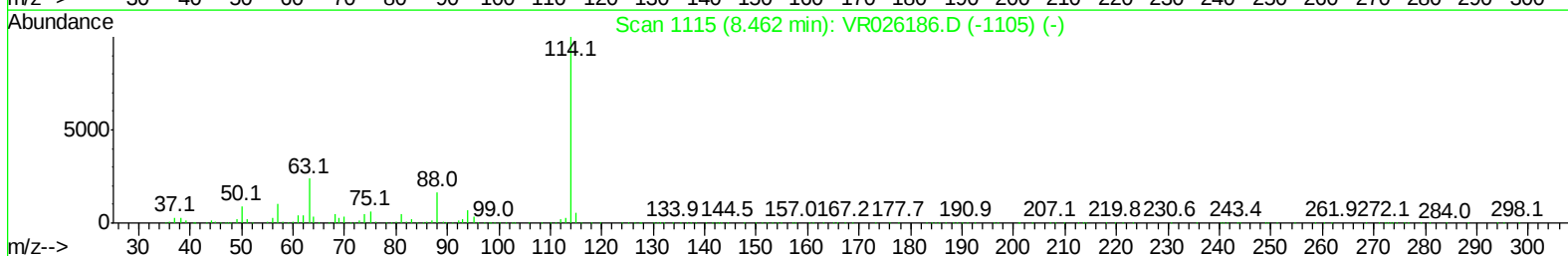
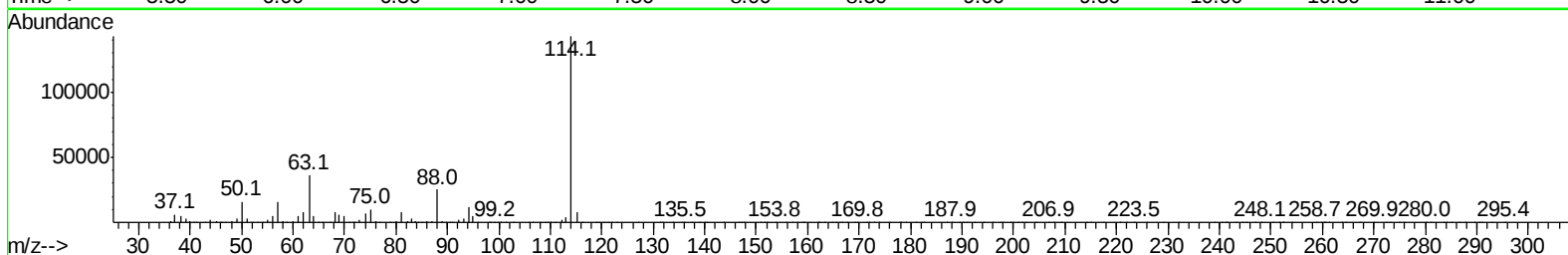
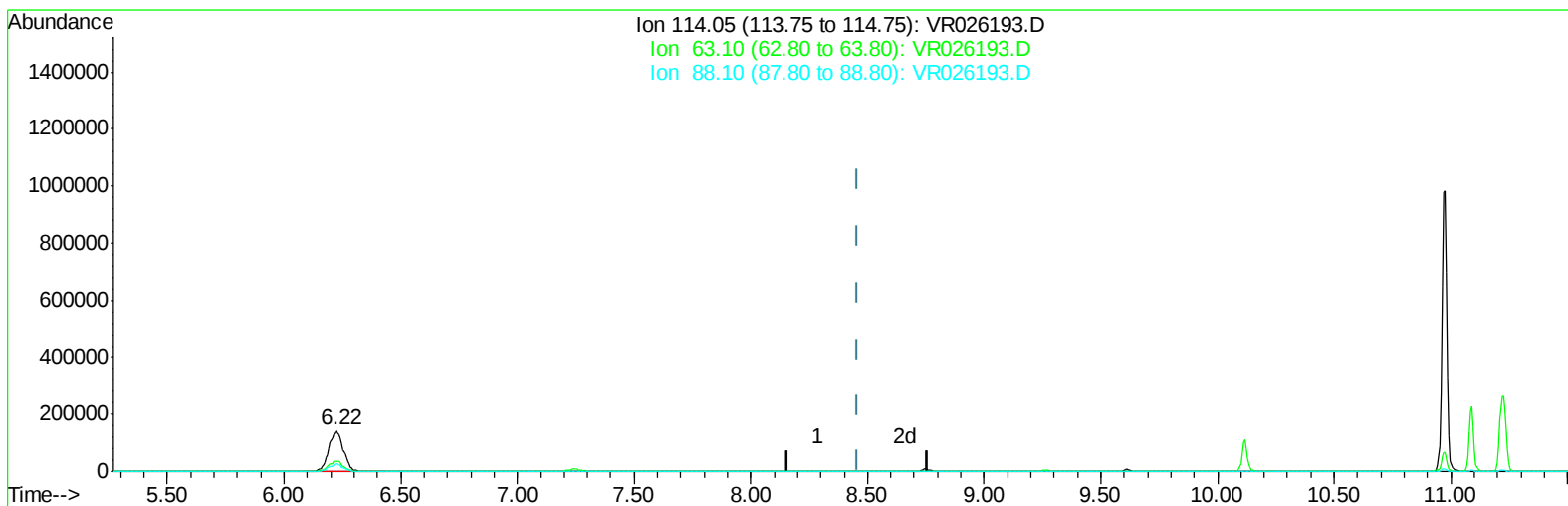
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:20:59 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(1) 1,4-Difluorobenzene (I)

6.223min (-2.239) 5.00ug/L m

response 628742

Ion	Exp%	Act%
114.05	100	100
63.10	25.40	0.02#
88.10	17.20	0.05#
0.00	0.00	0.00

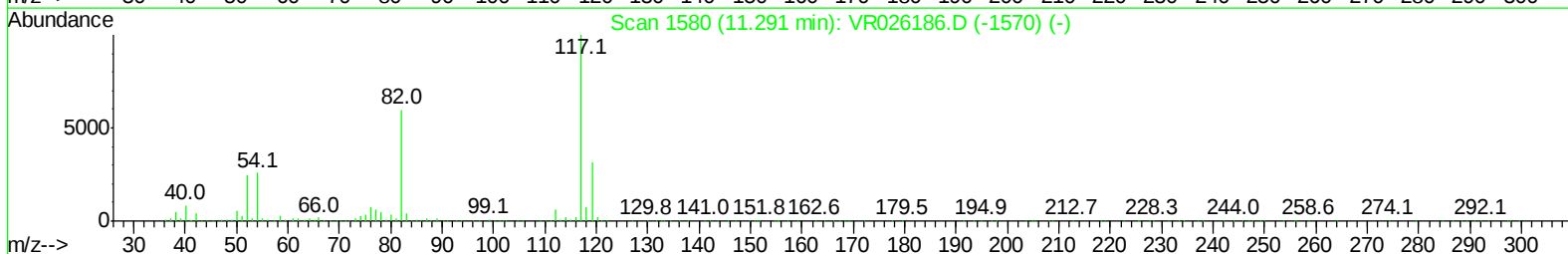
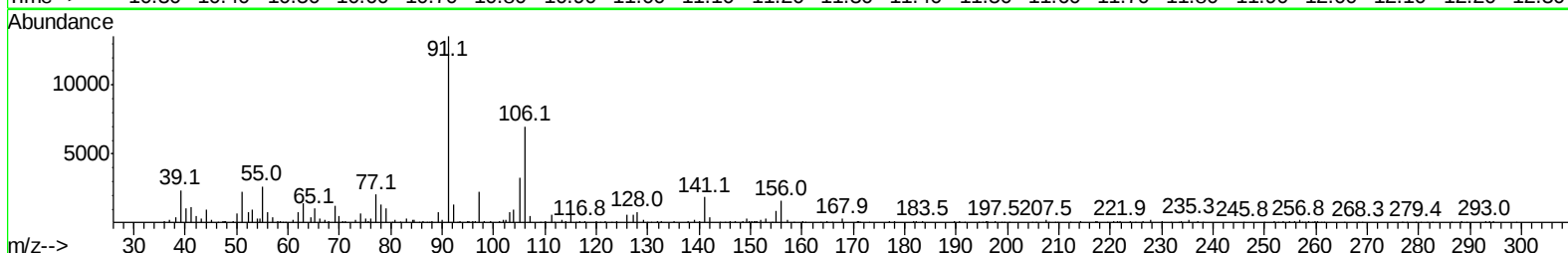
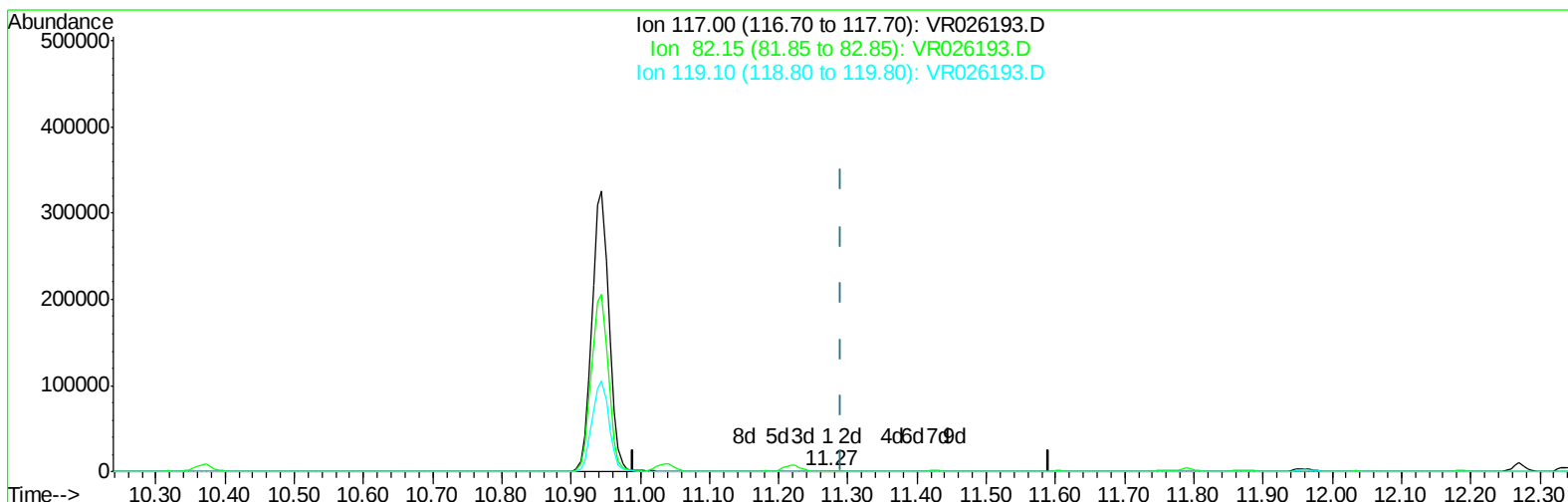
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(28) Chlorobenzene-d5 (I)

11.273min (-0.018) 5.00ug/L

response 140

Ion	Exp%	Act%
117.00	100	100
82.15	63.20	0.00#
119.10	31.30	200.00#
0.00	0.00	0.00

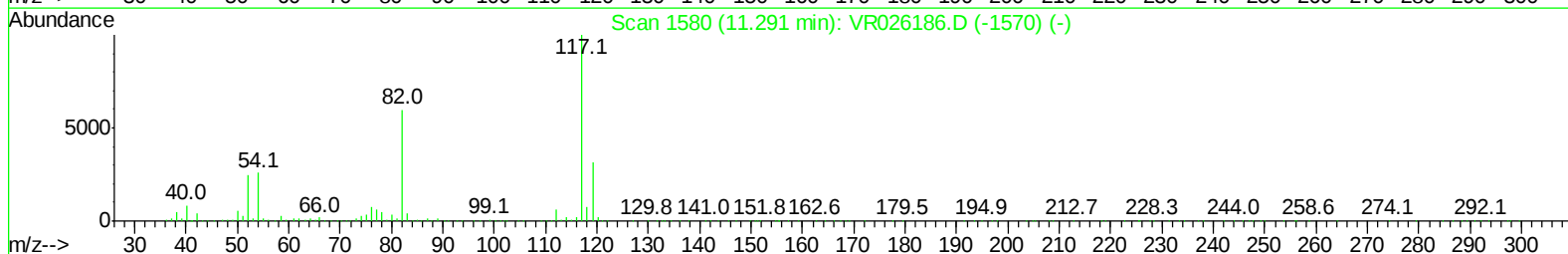
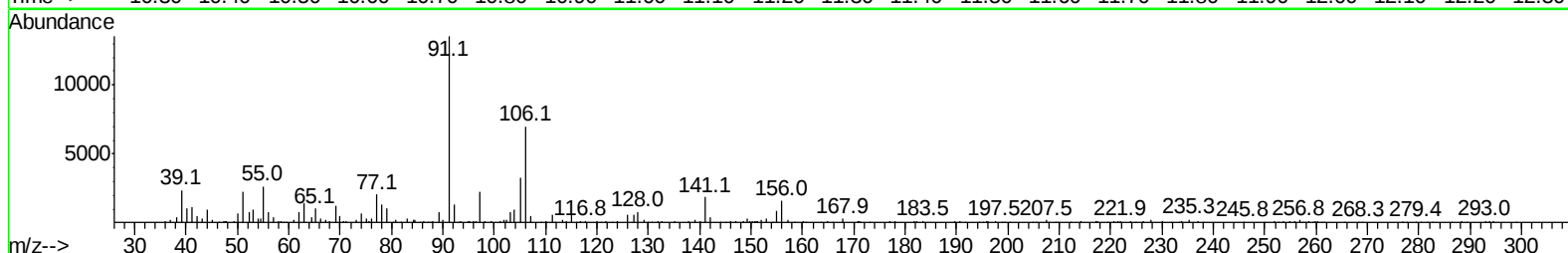
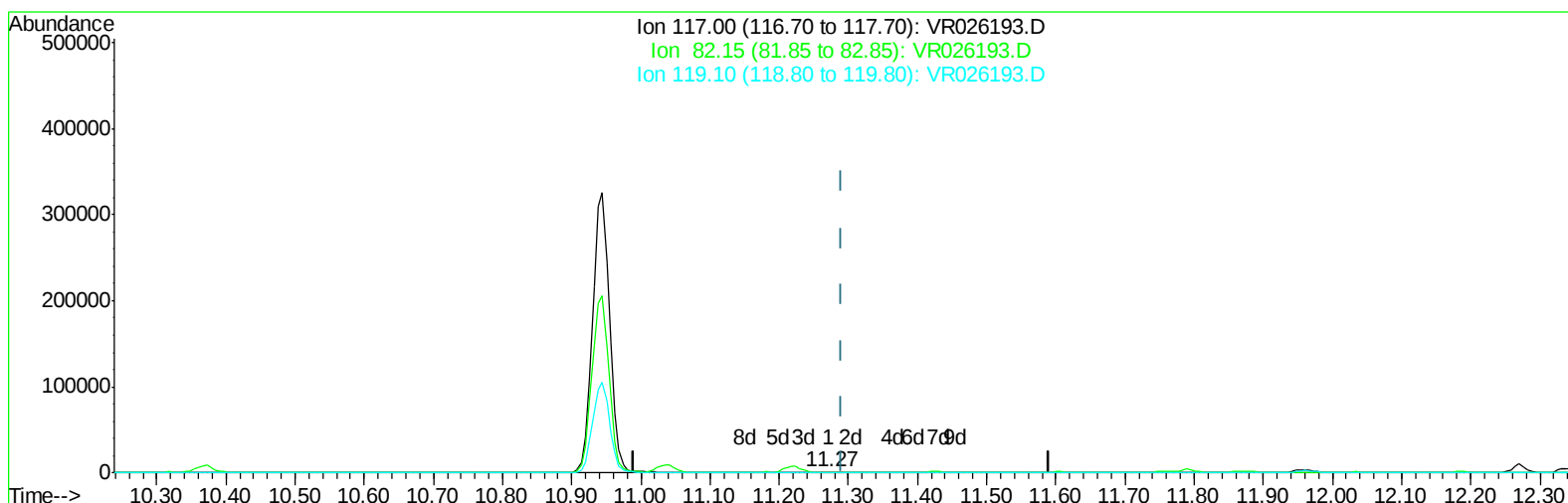
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(28) Chlorobenzene-d5 (I)

11.273min (-0.018) 5.00ug/L

response 140

Ion	Exp%	Act%
117.00	100	100
82.15	63.20	0.00#
119.10	31.30	200.00#
0.00	0.00	0.00

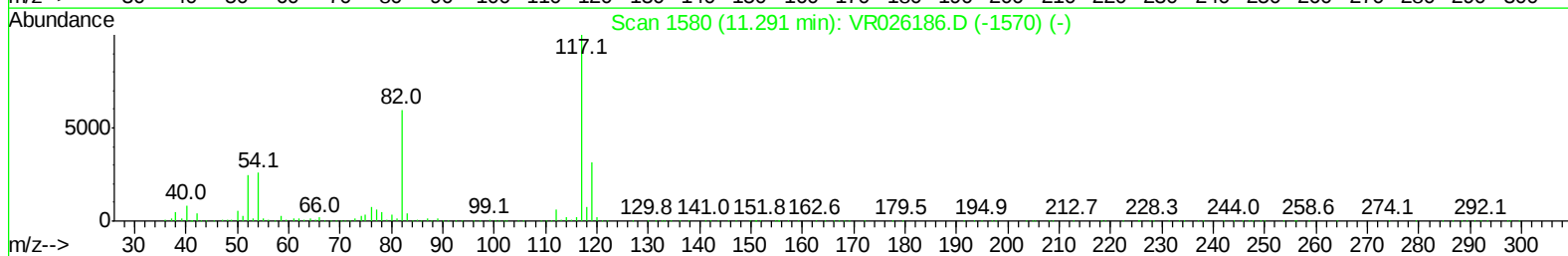
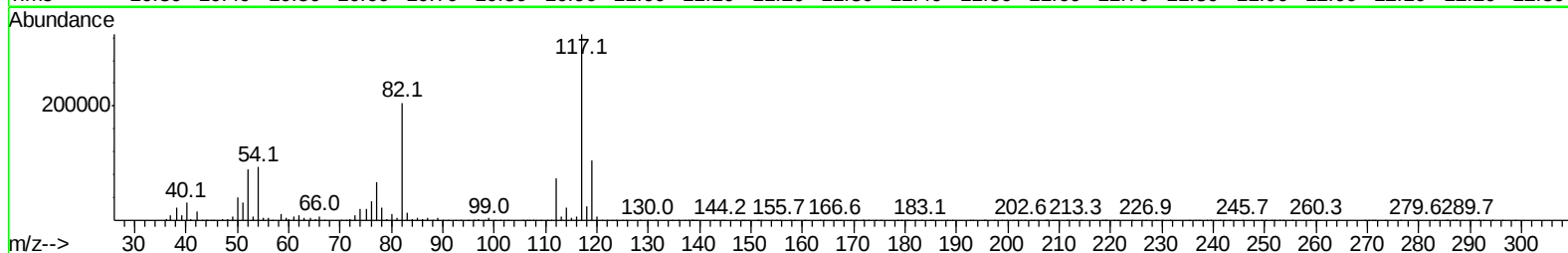
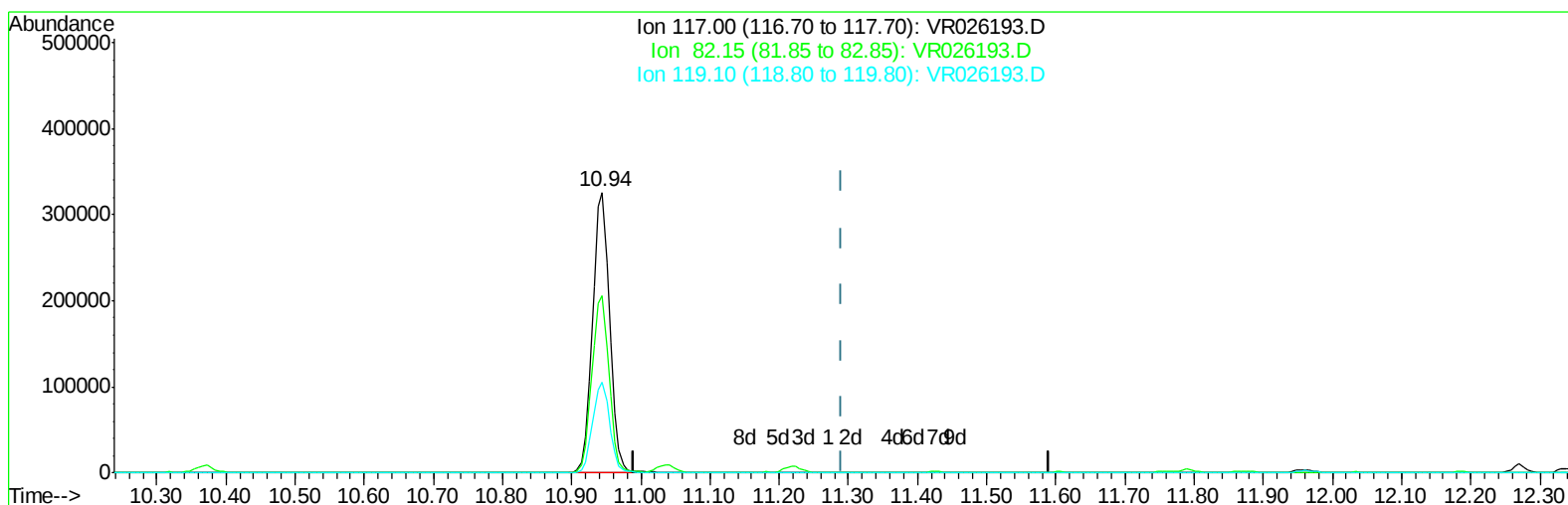
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(28) Chlorobenzene-d5 (I)

10.944min (-0.347) 5.00ug/L m

response 554833

Ion	Exp%	Act%
117.00	100	100
82.15	63.20	0.00#
119.10	31.30	0.05#
0.00	0.00	0.00

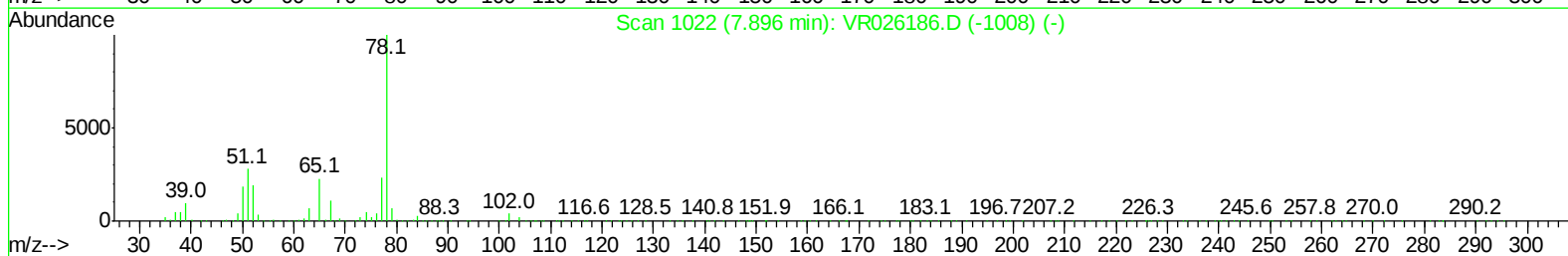
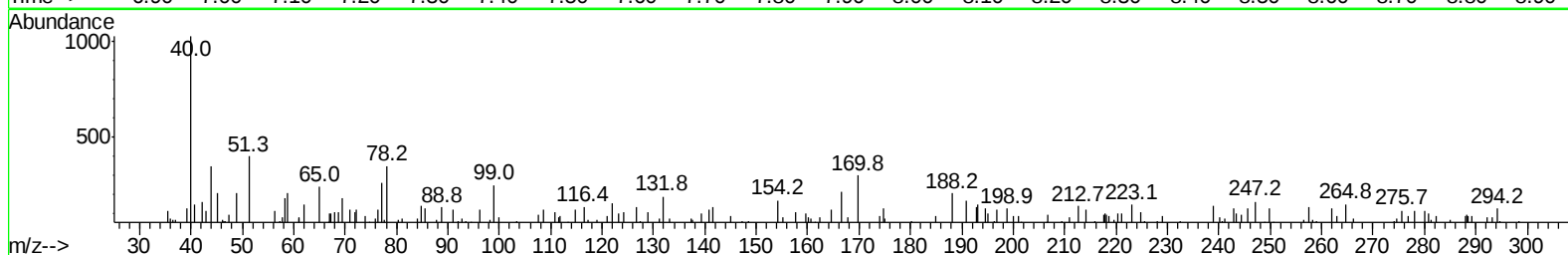
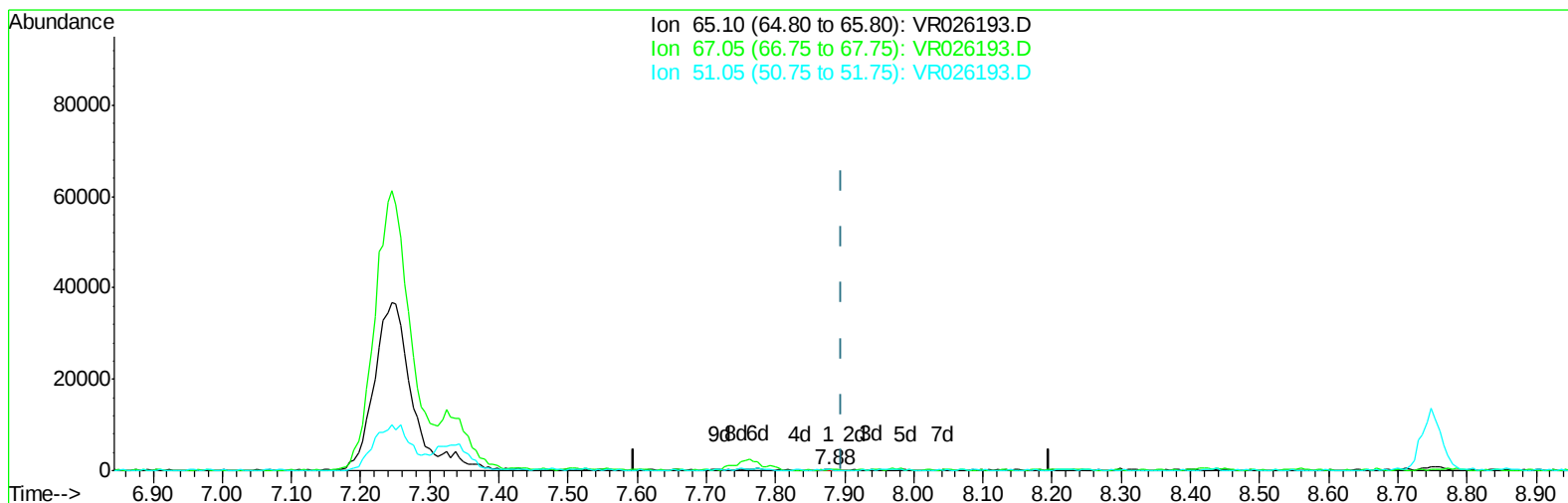
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(26) 1,2-Dichloroethane-d4 (S)

7.878min (-0.018) 0.01ug/L

response 307

Ion	Exp%	Act%
65.10	100	100
67.05	50.80	131.92#
51.05	147.20	109.45
0.00	0.00	0.00

Data File : VR026193.D

Acq On : 6 Nov 2018 16:16

Operator : SY/MD

Sample : j5801-06

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 10 Sample Multiplier: 1

Instrument :

MSVOA_R

ClientSampleId :

F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

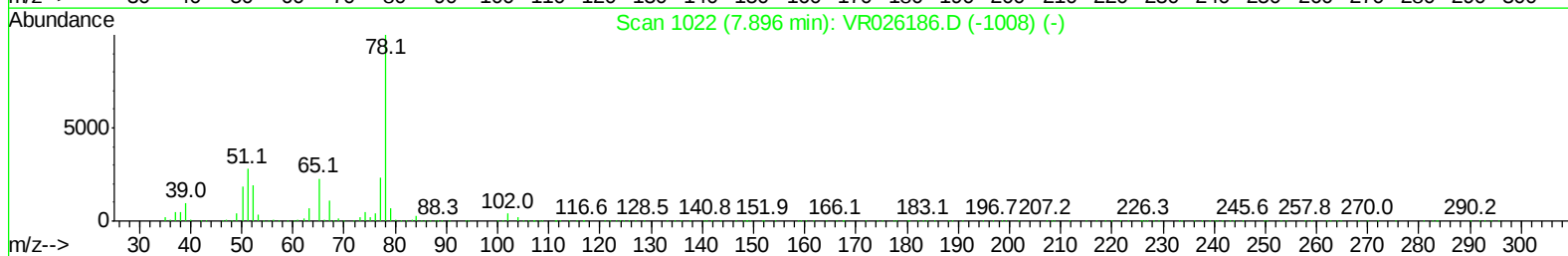
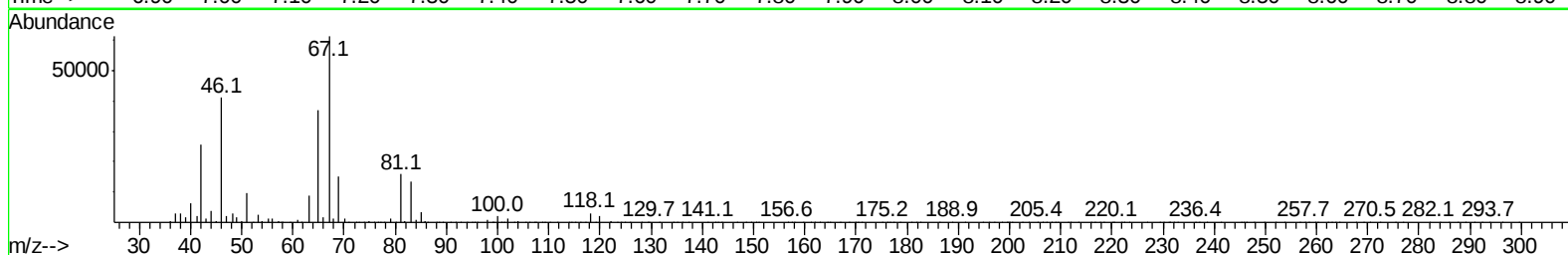
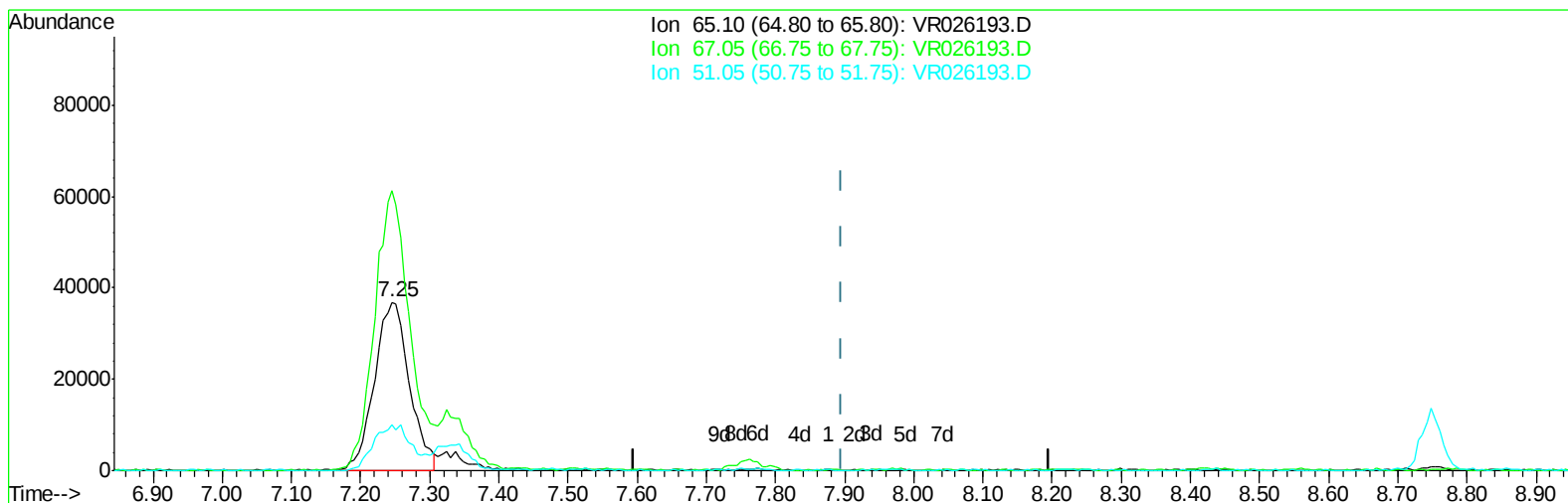
Quant Time: Nov 06 17:28:48 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 06 15:50:53 2018

Response via : Initial Calibration



TIC: VR026193.D

(26) 1,2-Dichloroethane-d4 (S)

7.245min (-0.651) 3.56ug/L m

response 129592

Ion	Exp%	Act%
65.10	100	100
67.05	50.80	0.31#
51.05	147.20	0.26#
0.00	0.00	0.00

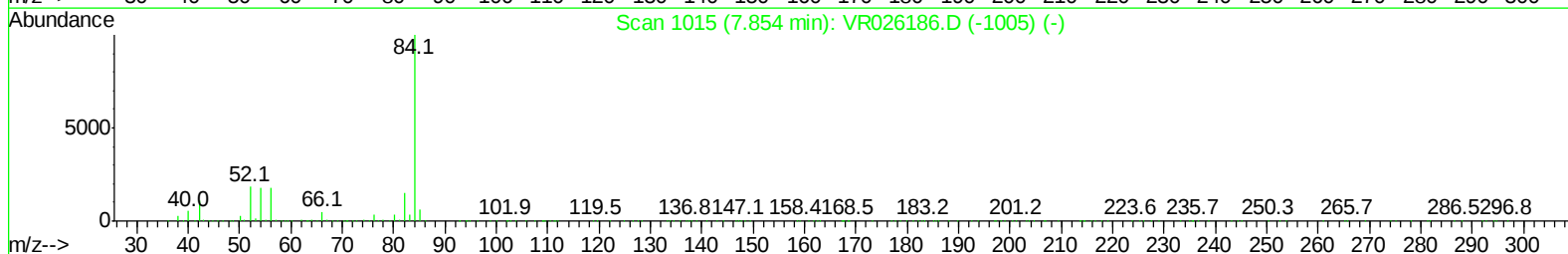
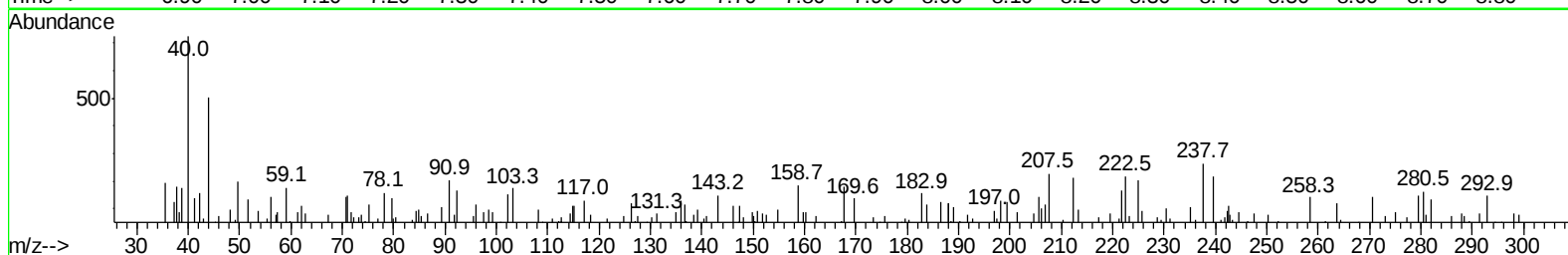
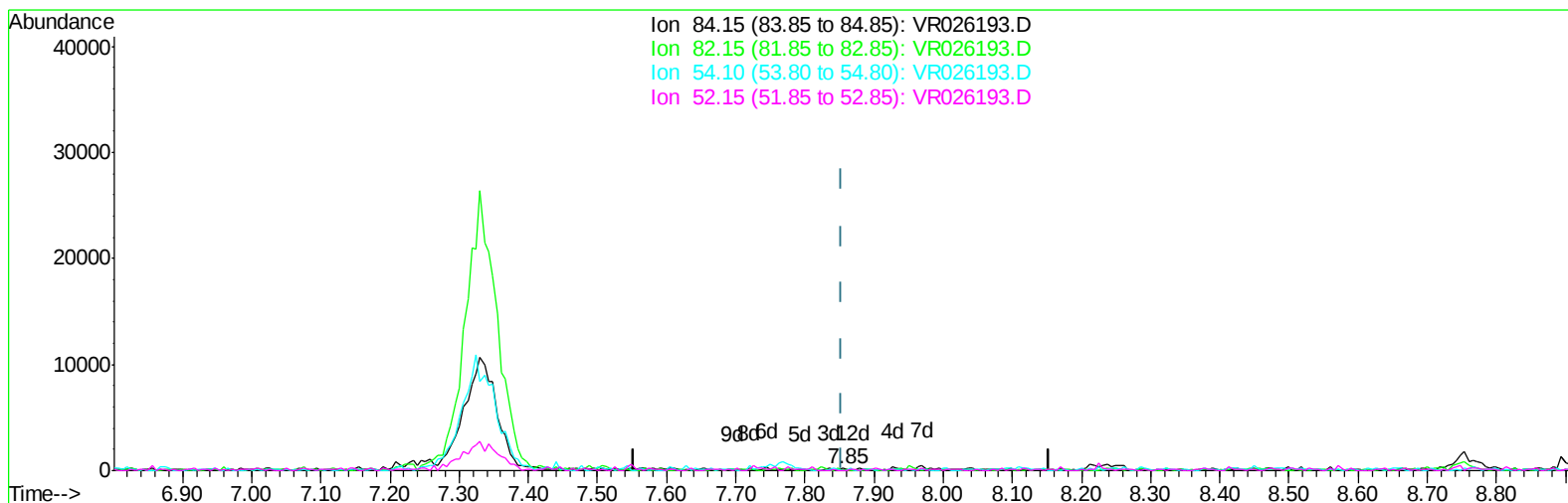
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:28:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(32) Benzene-d6 (S)

7.854min (-0.000) 0.00ug/L

response 109

Ion	Exp%	Act%
84.15	100	100
82.15	15.20	95.41#
54.10	18.20	159.63#
52.15	17.90	47.71#

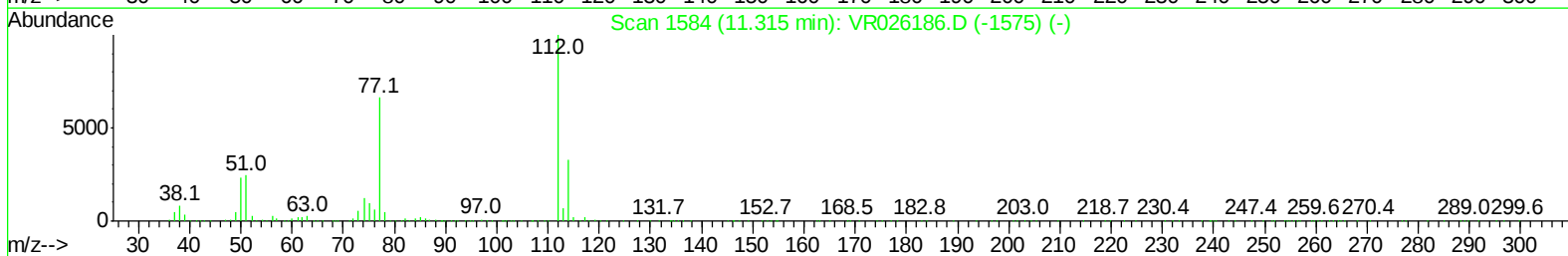
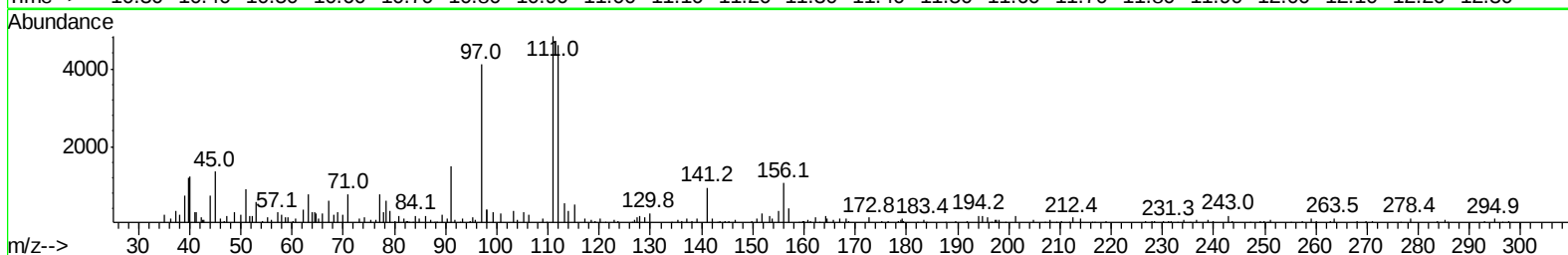
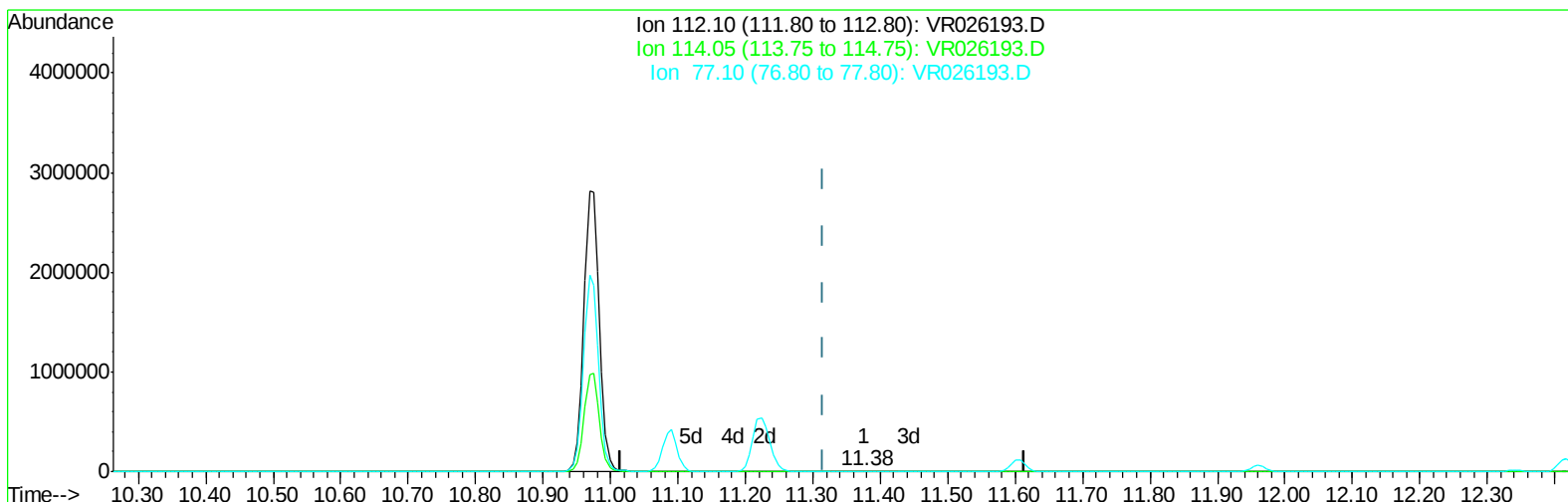
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(51) Chlorobenzene (T)

11.376min (+0.061) 0.06ug/L

response 7792

Ion	Exp%	Act%
112.10	100	100
114.05	32.60	7.50#
77.10	64.40	23.18#
0.00	0.00	0.00

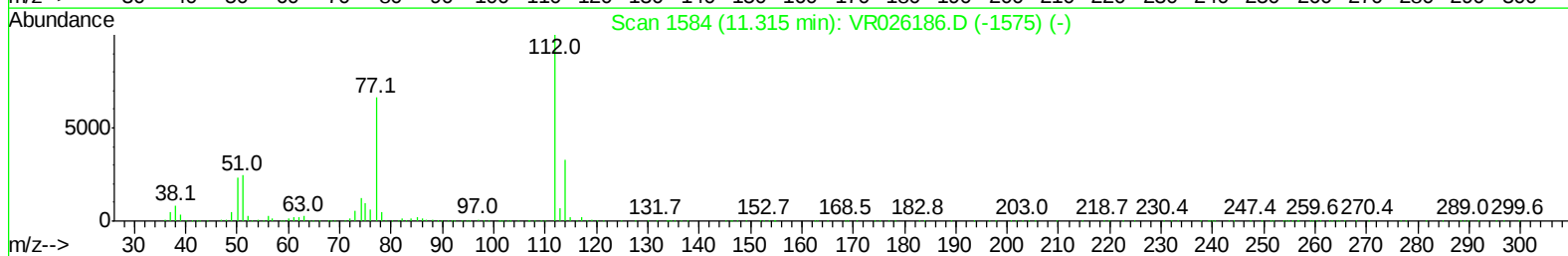
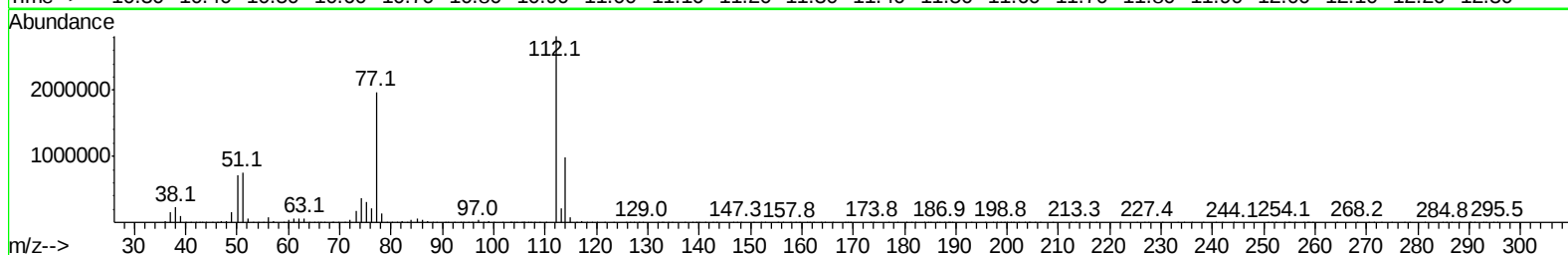
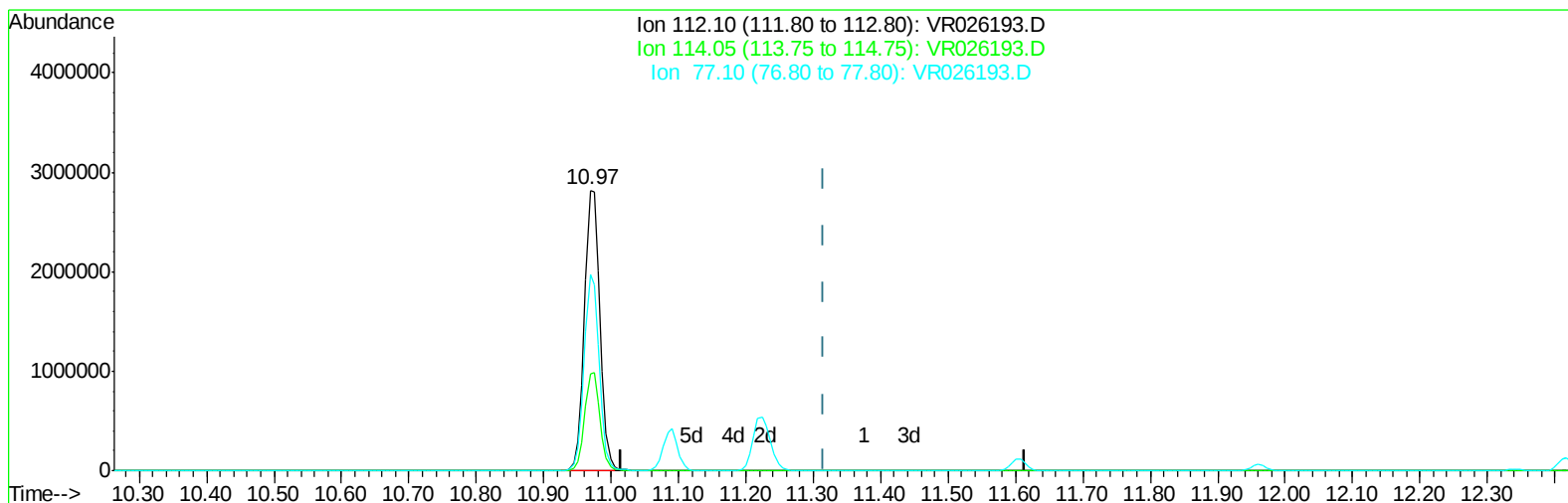
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(51) Chlorobenzene (T)
10.968min (-0.347) 36.92ug/L m
response 4491178

Ion	Exp%	Act%
112.10	100	100
114.05	32.60	34.78
77.10	64.40	70.05
0.00	0.00	0.00

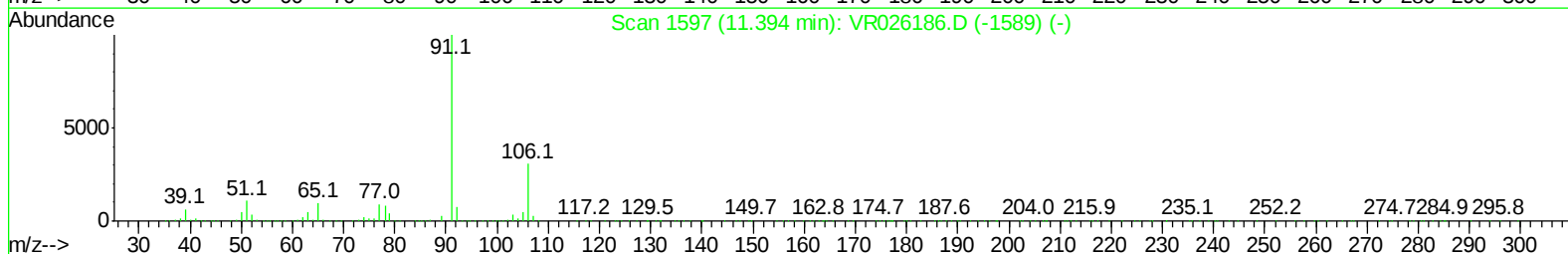
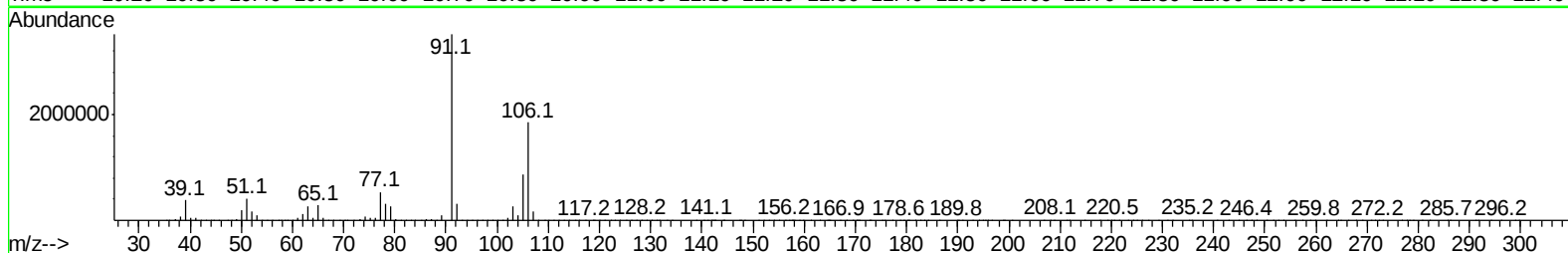
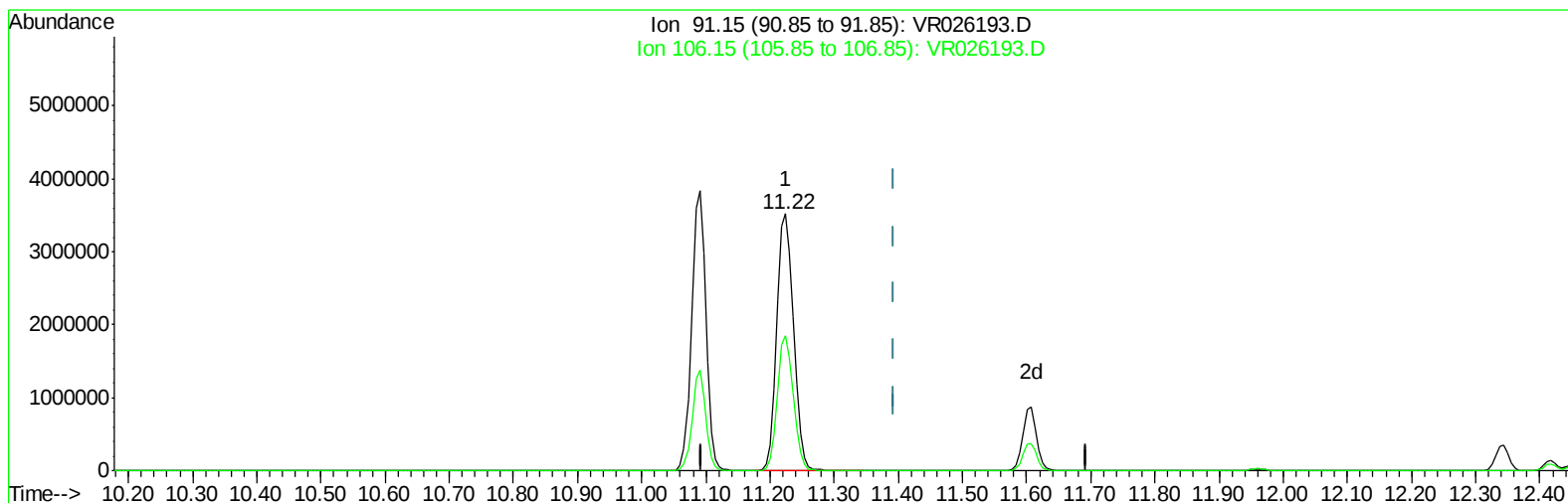
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(52) Ethylbenzene (T)

11.224min (-0.170) 25.82ug/L

response 6525017

Ion	Exp%	Act%
91.15	100	100
106.15	30.30	52.64#
0.00	0.00	0.00
0.00	0.00	0.00

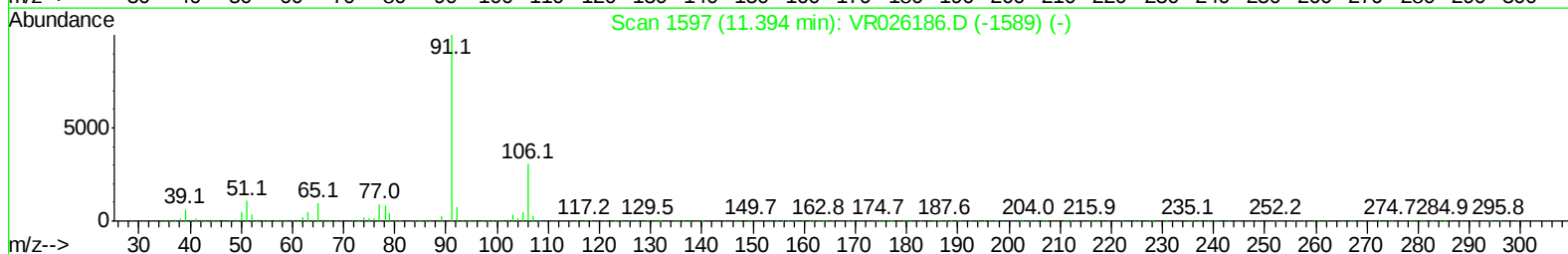
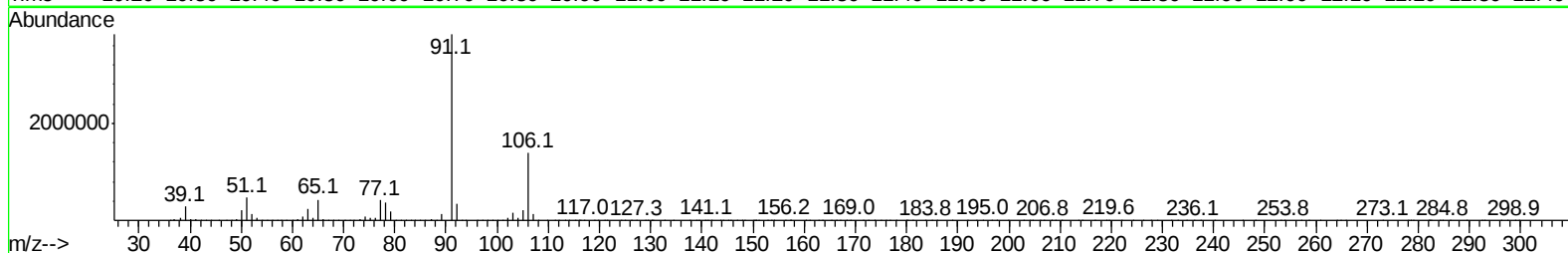
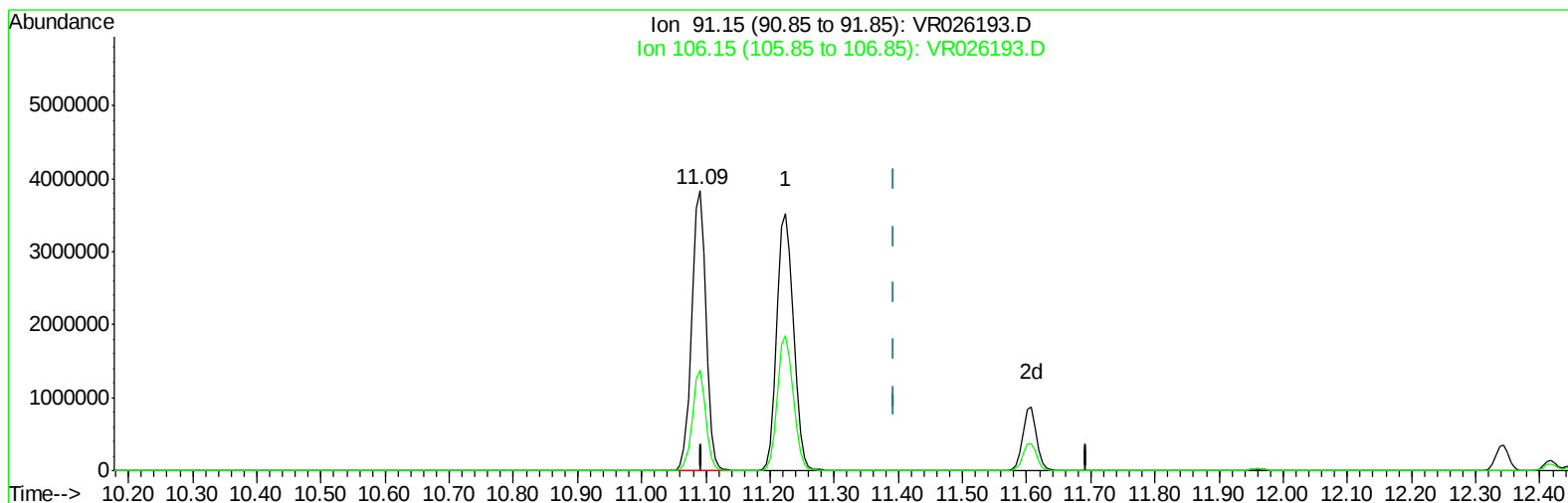
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(52) Ethylbenzene (T)

11.090min (-0.304) 23.63ug/L m

response 5971842

Ion	Exp%	Act%
91.15	100	100
106.15	30.30	36.12
0.00	0.00	0.00
0.00	0.00	0.00

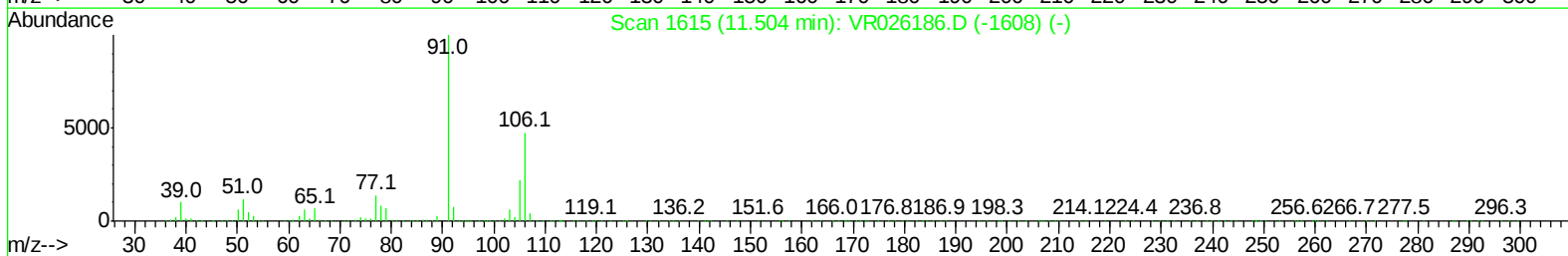
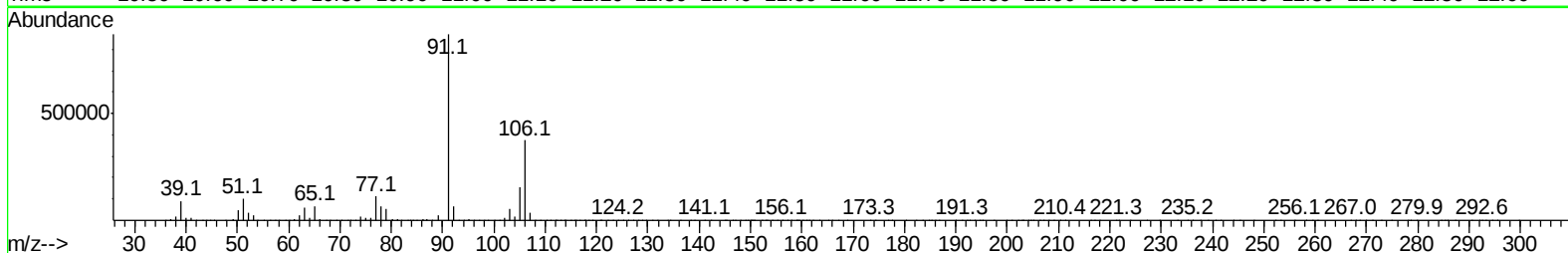
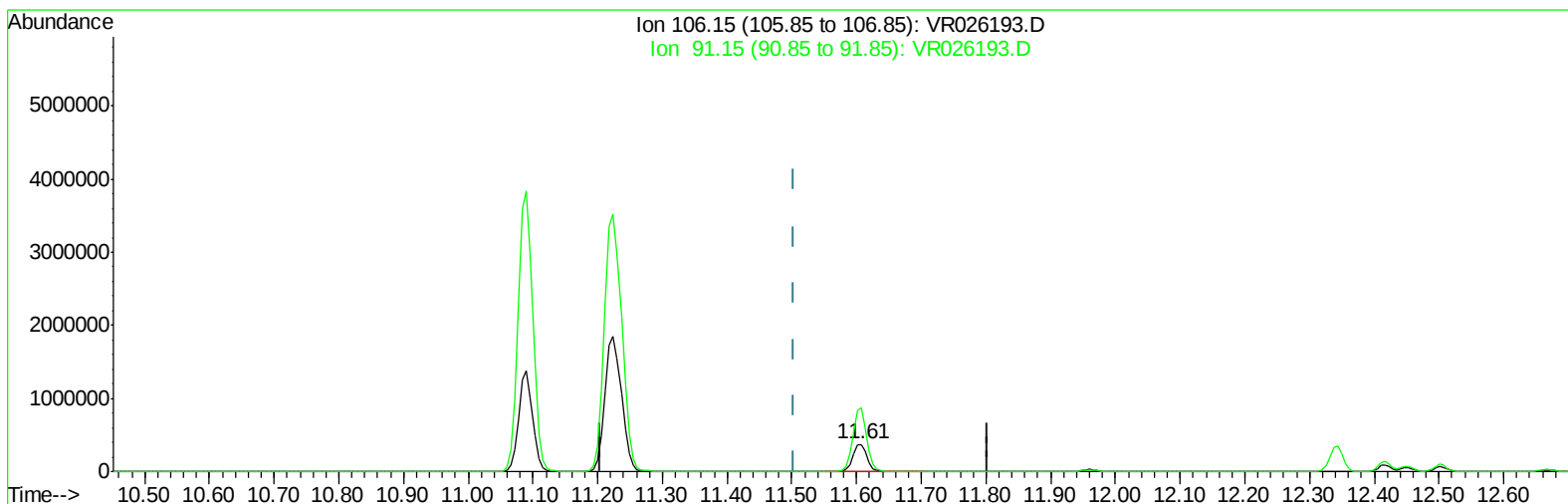
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(53) m,p-Xylene (T)

11.607min (+0.103) 6.24ug/L

response 574754

Ion	Exp%	Act%
106.15	100	100
91.15	207.50	232.95
0.00	0.00	0.00
0.00	0.00	0.00

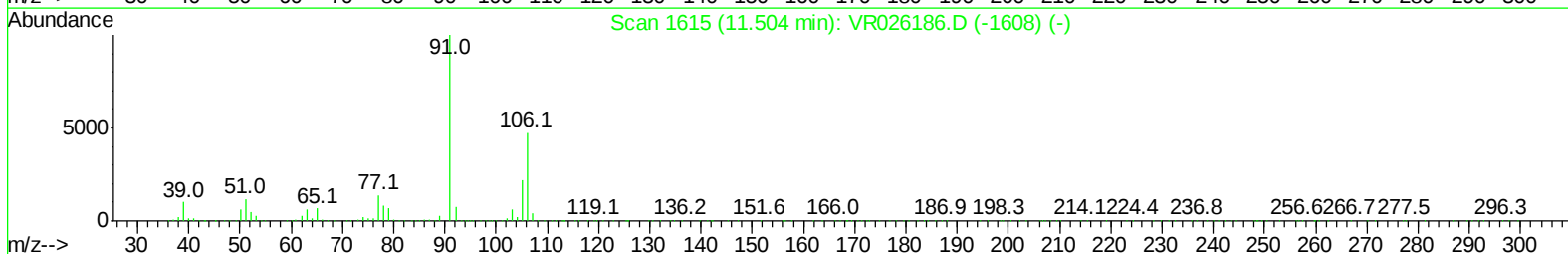
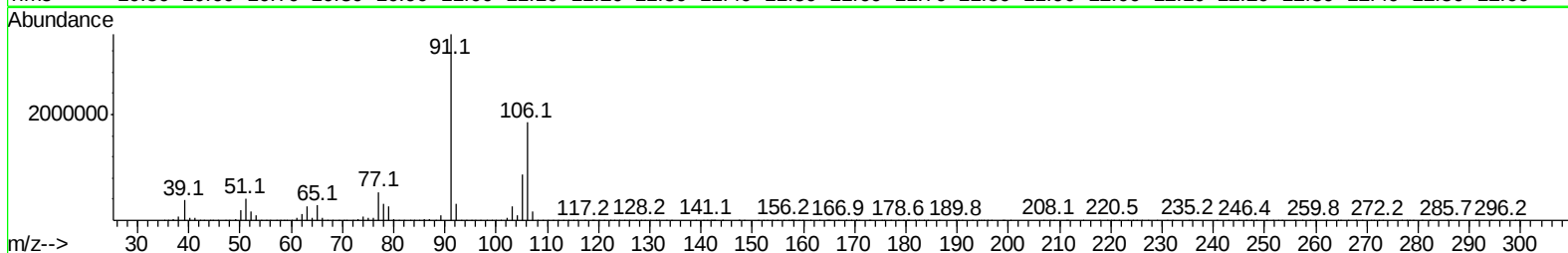
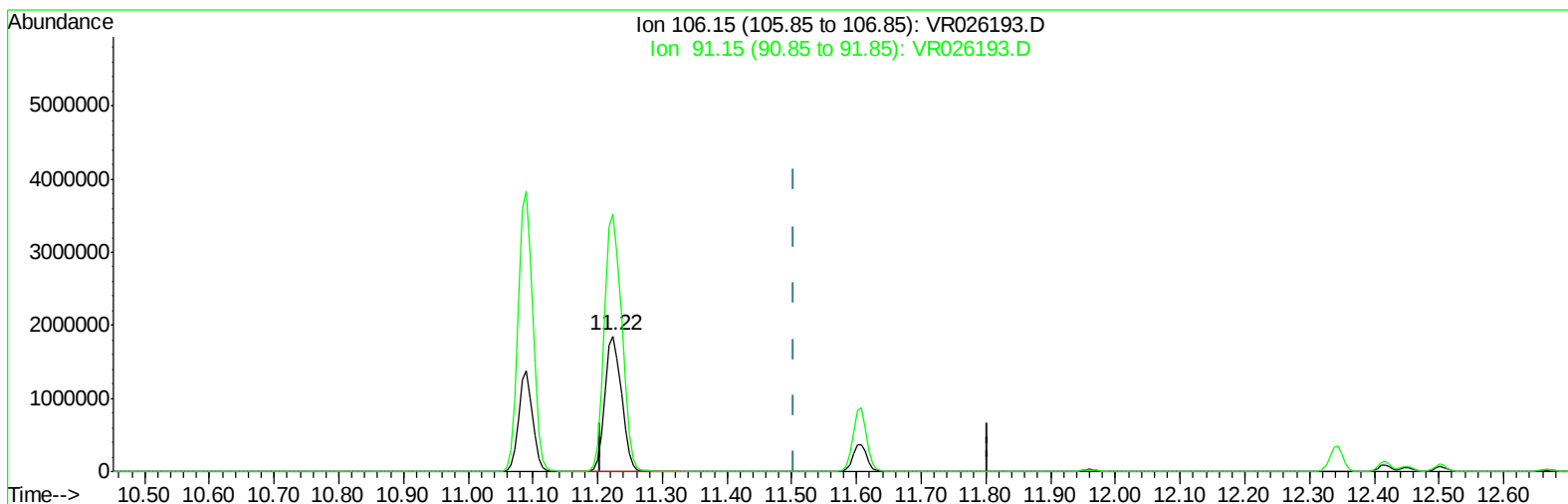
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(53) m,p-Xylene (T)

11.224min (-0.280) 35.45ug/L m

response 3263384

Ion	Exp%	Act%
106.15	100	100
91.15	207.50	189.99
0.00	0.00	0.00
0.00	0.00	0.00

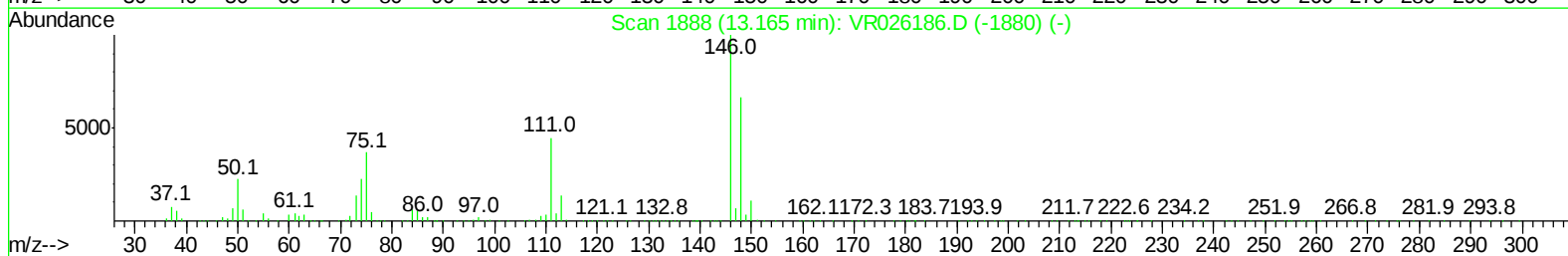
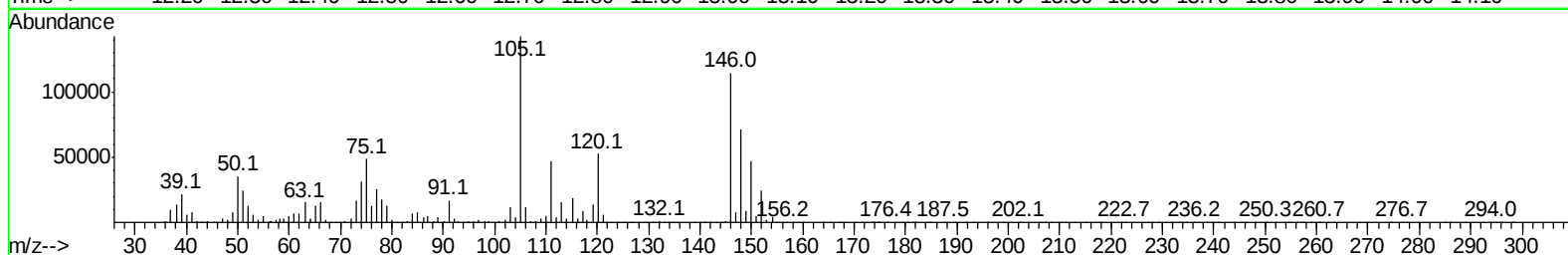
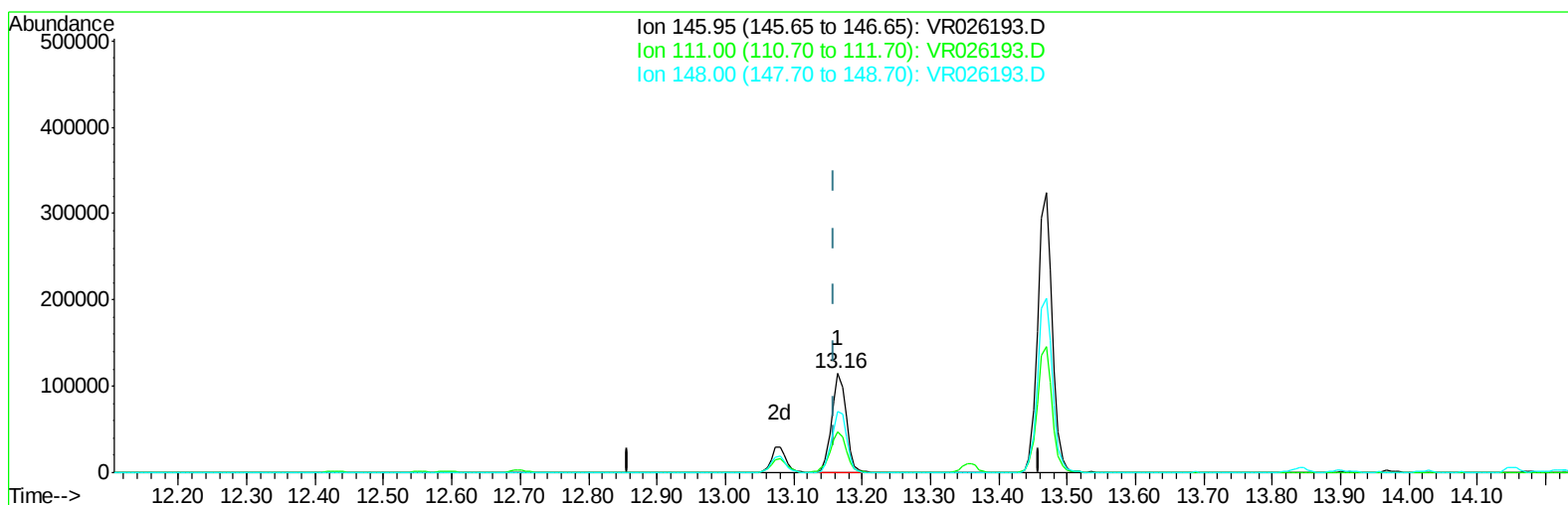
Data File : VR026193.D
Acq On : 6 Nov 2018 16:16
Operator : SY/MD
Sample : j5801-06
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05

Manual Integrations
APPROVED

MMDadoda
11/12/2018 10:01:04 AM

Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 06 15:50:53 2018
Response via : Initial Calibration



TIC: VR026193.D

(62) 1,3-Dichlorobenzene (T)

13.165min (+0.006) 2.11ug/L

response 168402

Ion	Exp%	Act%
145.95	100	100
111.00	45.90	40.95
148.00	62.50	62.32
0.00	0.00	0.00

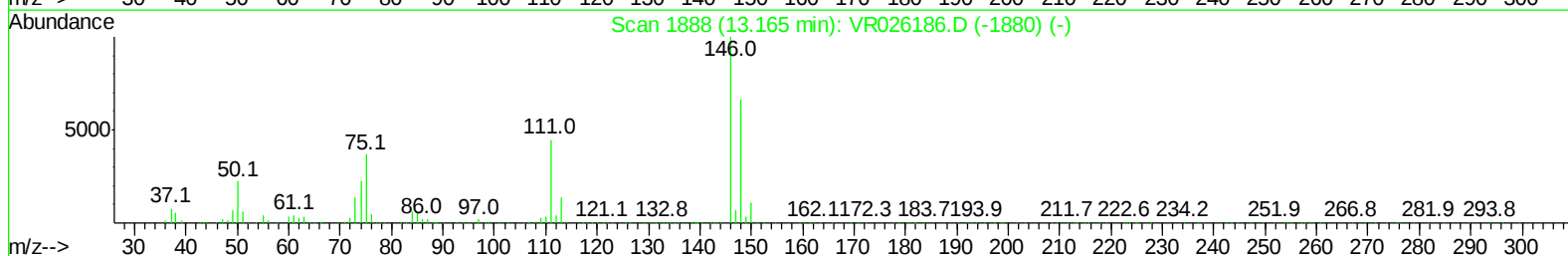
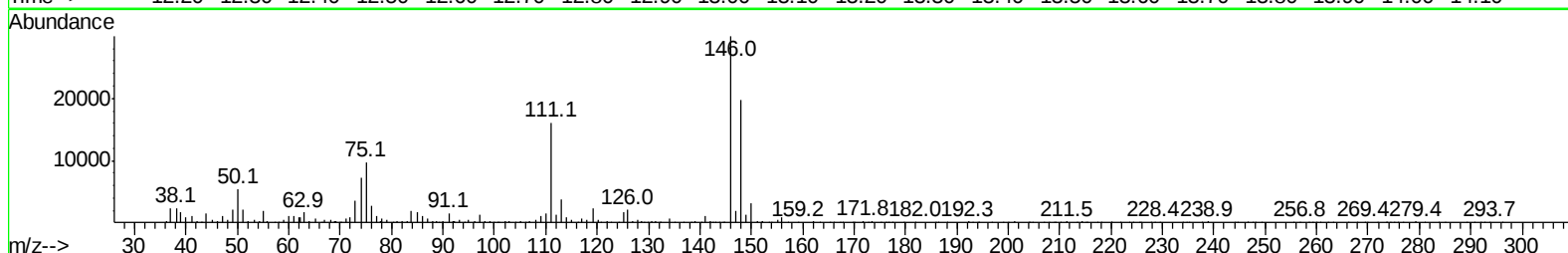
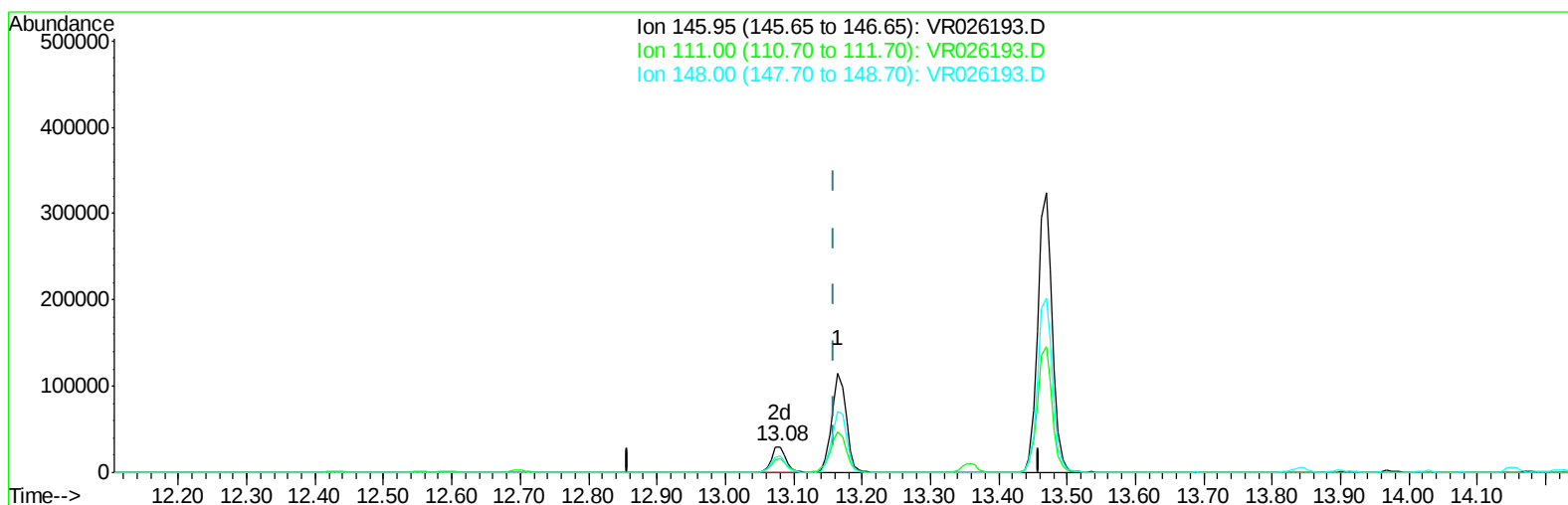
Data File : VR026193.D
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Misc : 25mL/MSVOA_R/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_R
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Manual Integrations
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Quant Time: Nov 06 17:37:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
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TIC: VR026193.D

(62) 1,3-Dichlorobenzene (T)

13.079min (-0.079) 0.56ug/L m

response 44688

Ion	Exp%	Act%
145.95	100	100
111.00	45.90	53.65
148.00	62.50	65.51
0.00	0.00	0.00

Data File : VR026193.D
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.22	114	628742m	5.00	ug/L	-2.24
28) Chlorobenzene-d5	10.94	117	554833m	5.00	ug/L	-0.35
60) 1,4-Dichlorobenzene-d4	13.15	152	239713	5.00	ug/L	-0.08

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	123	0.00	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	2.62	69	87	0.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	0.00%#
11) 1,1-Dichloroethene-d2	3.61	63	204	0.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.00%#
20) 2-Butanone-d5	6.78	46	88	0.02	ug/L	0.19
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.04%#
24) Chloroform-d	7.26	84	1342	0.02	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.40%#
26) 1,2-Dichloroethane-d4	7.25	65	129592m	3.56	ug/L	-0.65
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.20%
32) Benzene-d6	7.33	84	37972m	0.21	ug/L	-0.52
Spiked Amount	5.000	Range	70 - 125	Recovery	=	4.20%#
36) 1,2-Dichloropropane-d6	8.89	67	248	0.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	0.20%#
41) Toluene-d8	9.96	98	224	0.00	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.00%#
43) trans-1,3-Dichloropropene-	10.26	79	379	0.03	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	0.60%#
46) 2-Hexanone-d5	10.57	63	218	0.06	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	0.12%#
57) 1,1,2,2-Tetrachloroethane-	12.23	84	89534	4.96	ug/L	-0.13
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	13.45	152	204810	5.41	ug/L	-0.07
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.20%

Target Compounds

						Qvalue
30) Cyclohexane	7.32	56	143703	1.888	ug/L	# 32
51) Chlorobenzene	10.97	112	4491178m	36.922	ug/L	
52) Ethylbenzene	11.09	91	5971842m	23.635	ug/L	
53) m,p-Xylene	11.22	106	3263384m	35.449	ug/L	
54) o-Xylene	11.61	106	574754	6.810	ug/L	94
56) Isopropylbenzene	11.96	105	494704	2.110	ug/L	98
62) 1,3-Dichlorobenzene	13.08	146	44688m	0.561	ug/L	
63) 1,4-Dichlorobenzene	13.16	146	168402	2.042	ug/L	93
65) 1,2-Dichlorobenzene	13.47	146	474217	7.420	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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