

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_R

ClientSampleId :

MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

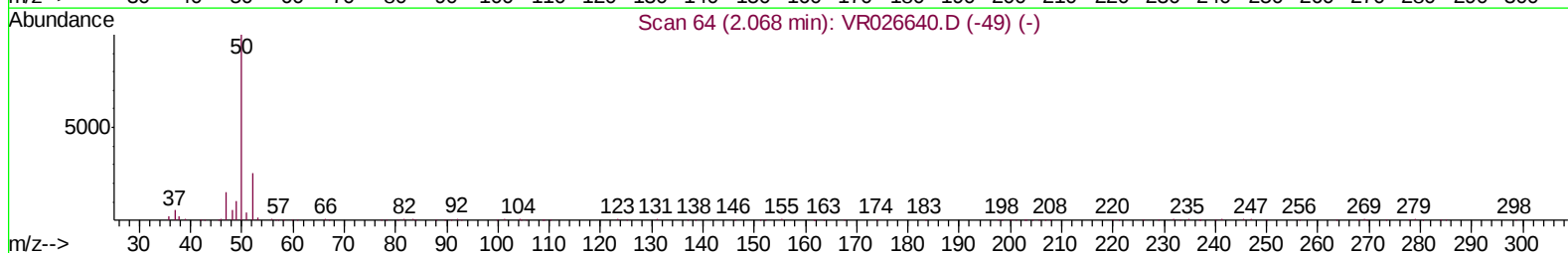
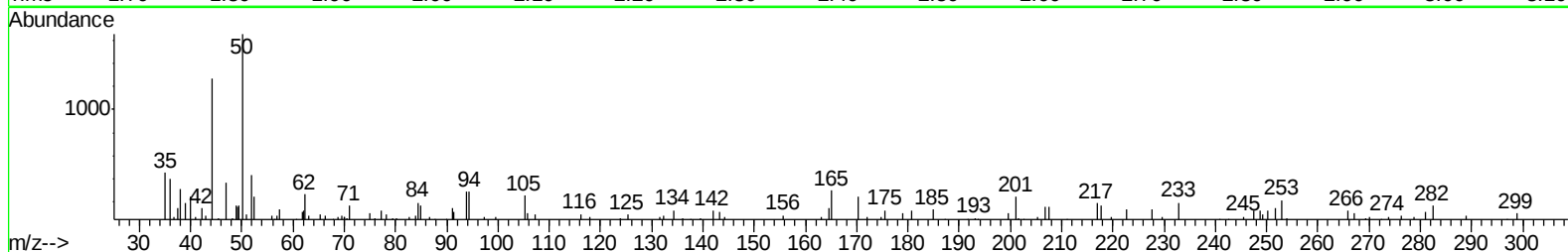
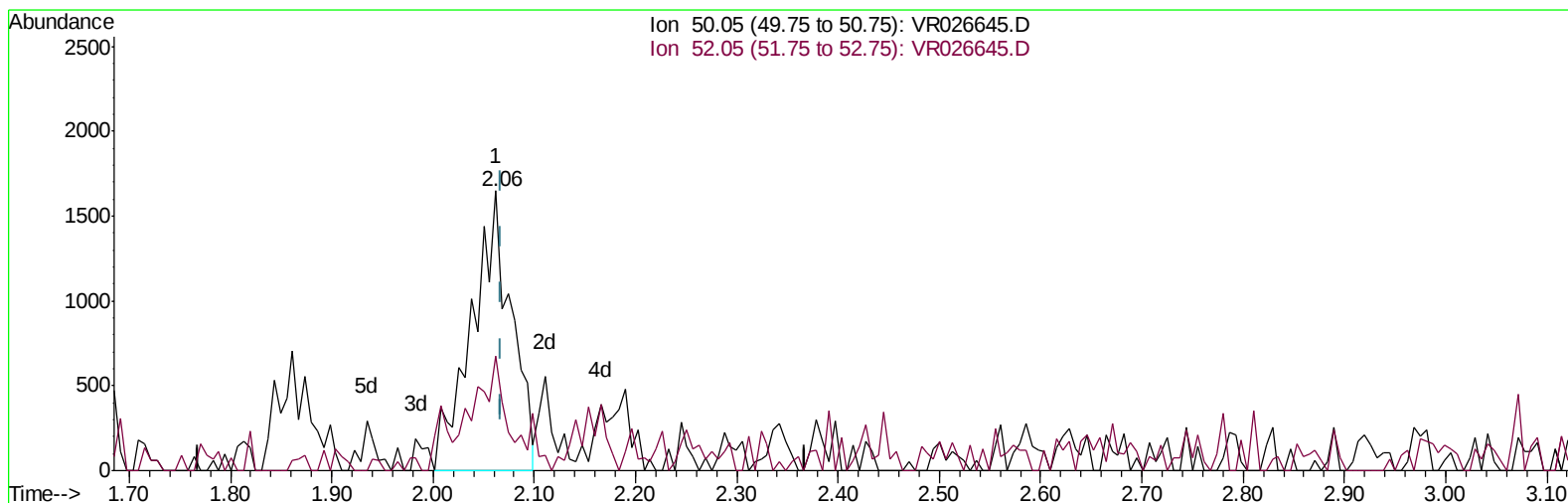
Quant Time: Sep 18 07:14:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(3) Chloromethane (T)

2.062min (-0.006) 0.25ug/L

response 4467

Ion	Exp%	Act%
50.05	100	100
52.05	31.00	40.85#
0.00	0.00	0.00
0.00	0.00	0.00

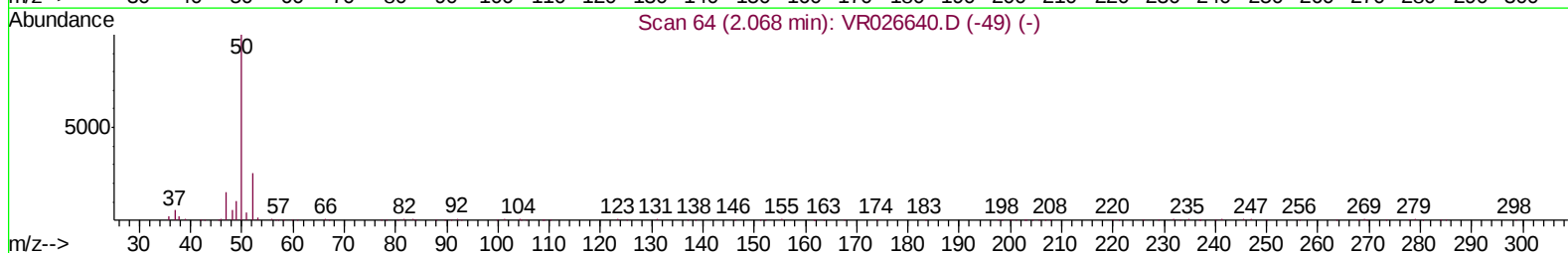
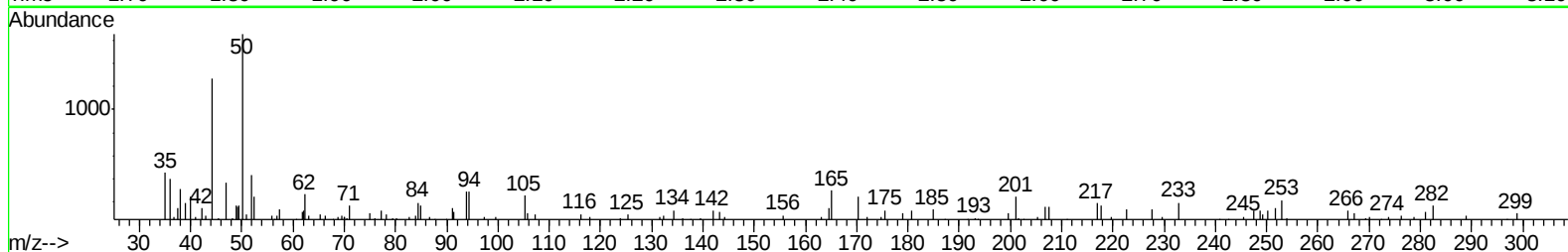
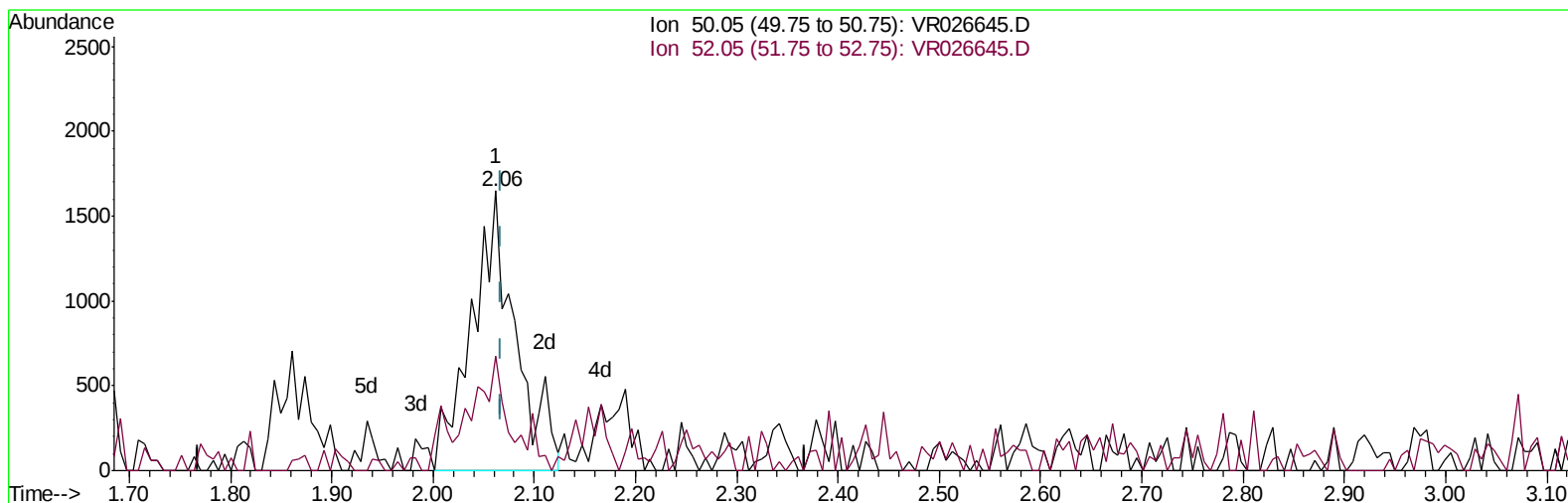
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TIC: VR026645.D

(3) Chloromethane (T)

2.062min (-0.006) 0.27ug/L m

response 4914

Ion	Exp%	Act%
50.05	100	100
52.05	31.00	26.06
0.00	0.00	0.00
0.00	0.00	0.00

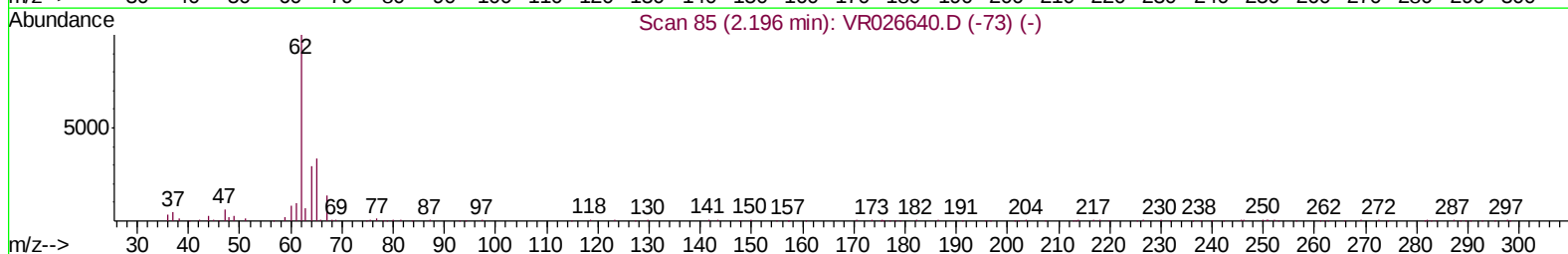
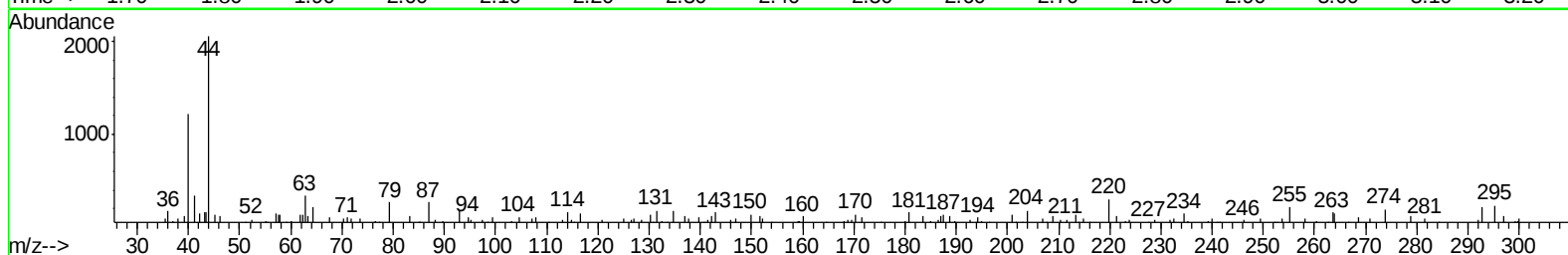
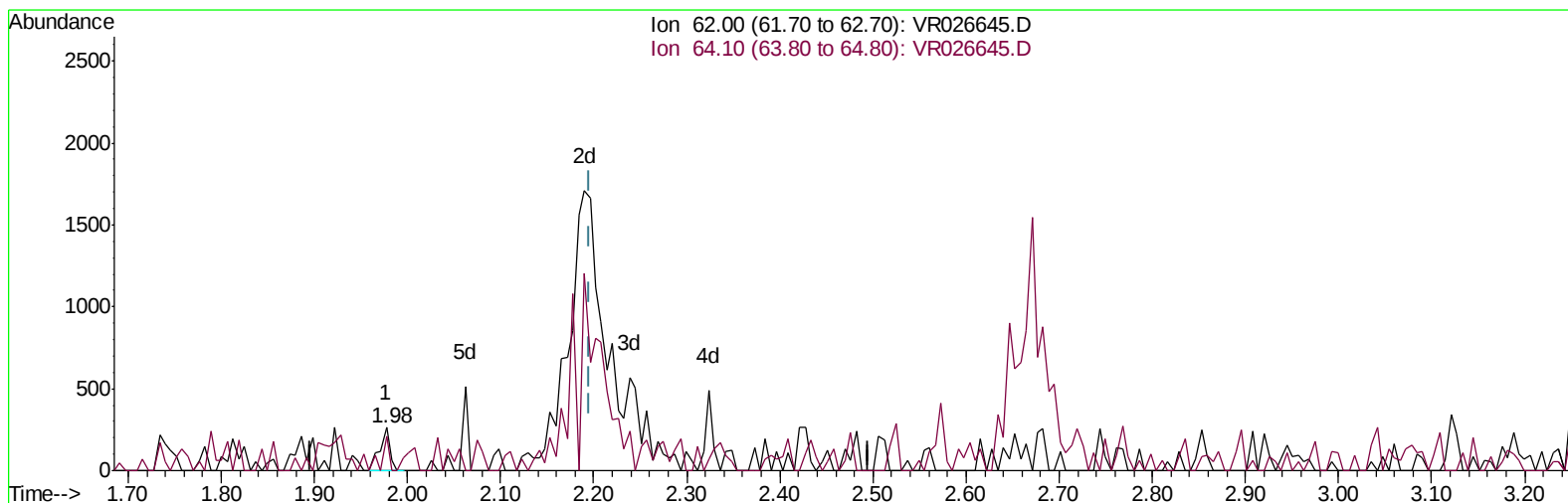
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(5) Vinyl chloride (T)

1.977min (-0.219) 0.01ug/L

response 201

Ion	Exp%	Act%
62.00	100	100
64.10	30.30	35.40
0.00	0.00	0.00
0.00	0.00	0.00

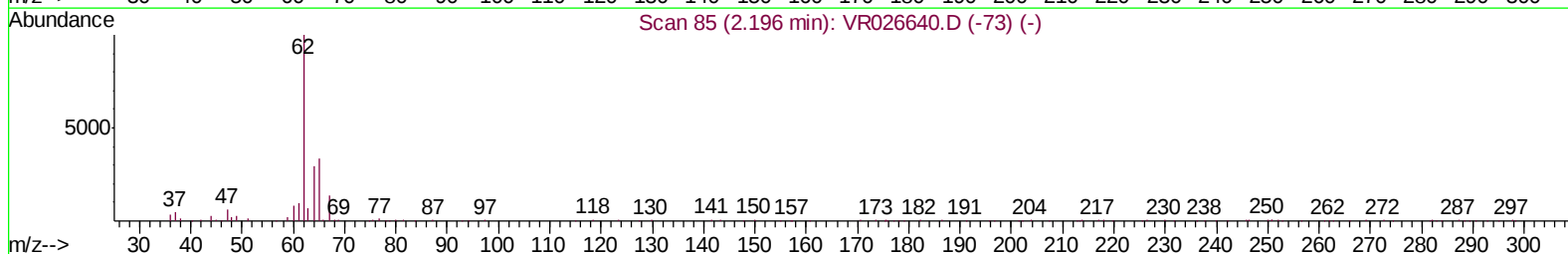
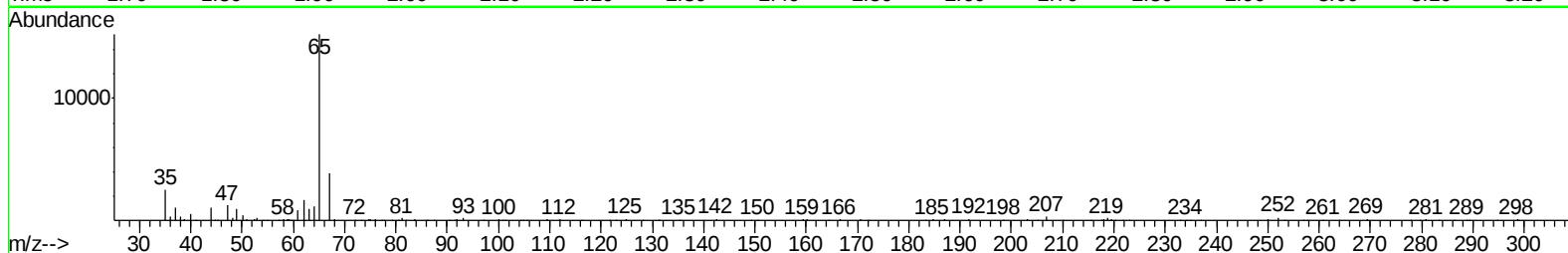
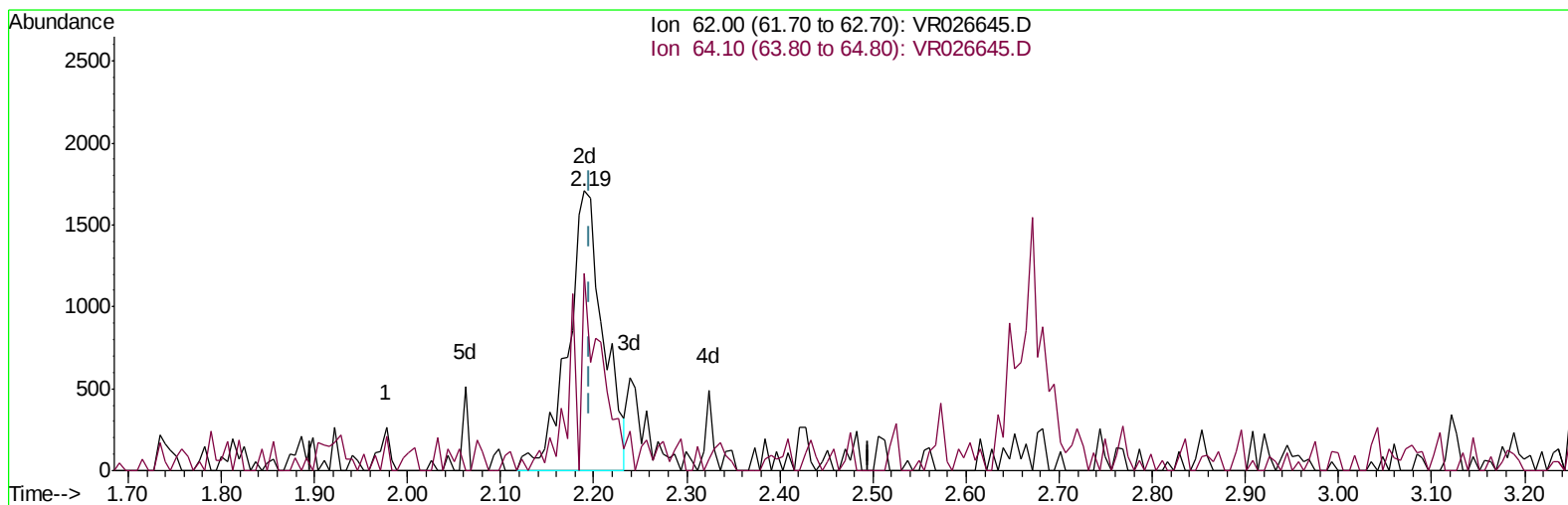
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(5) Vinyl chloride (T)

2.190min (-0.006) 0.25ug/L m

response 4520

Ion	Exp%	Act%
62.00	100	100
64.10	30.30	70.28#
0.00	0.00	0.00
0.00	0.00	0.00

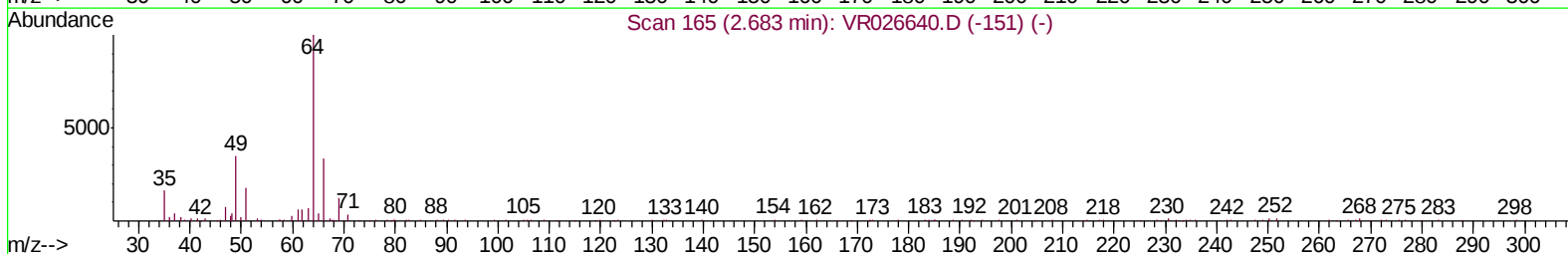
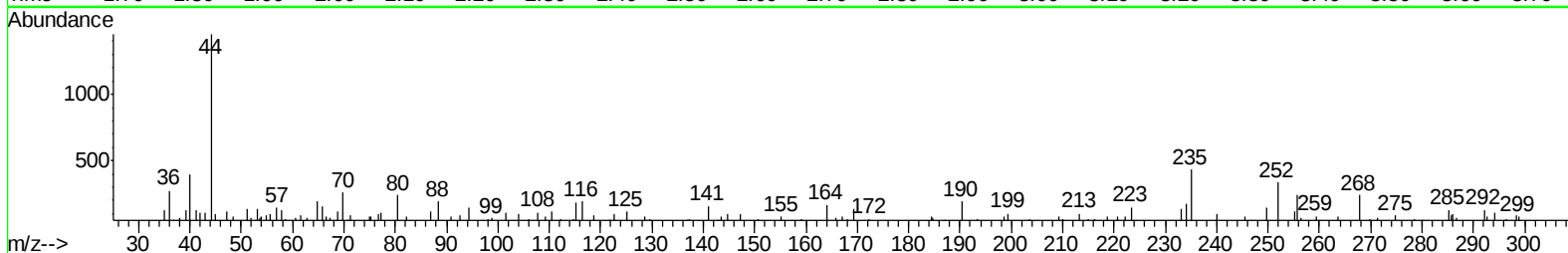
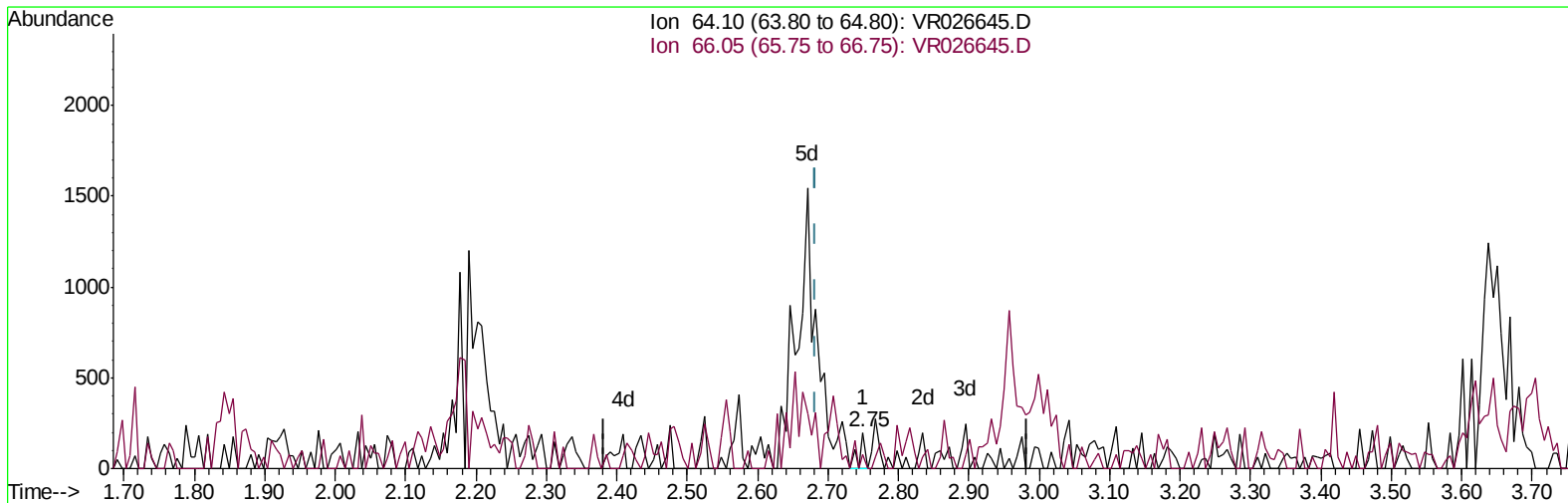
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(8) Chloroethane (T)

2.750min (+0.067) 0.01ug/L

response 111

Ion	Exp%	Act%
64.10	100	100
66.05	31.80	37.88
0.00	0.00	0.00
0.00	0.00	0.00

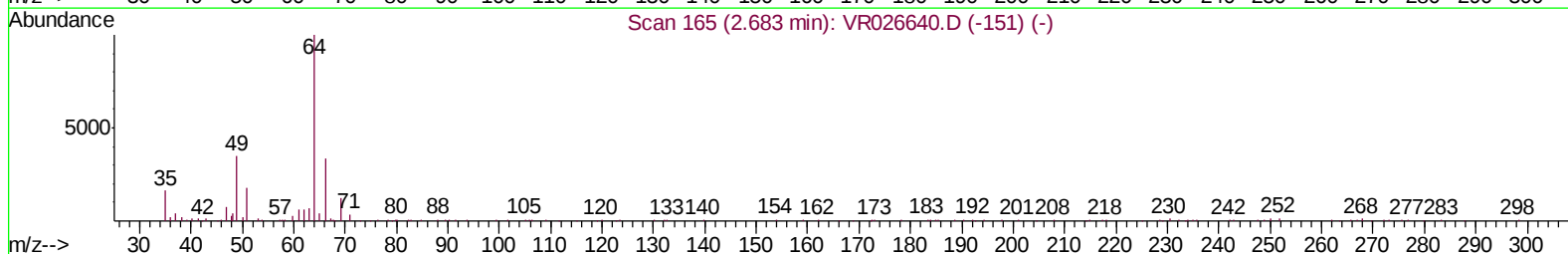
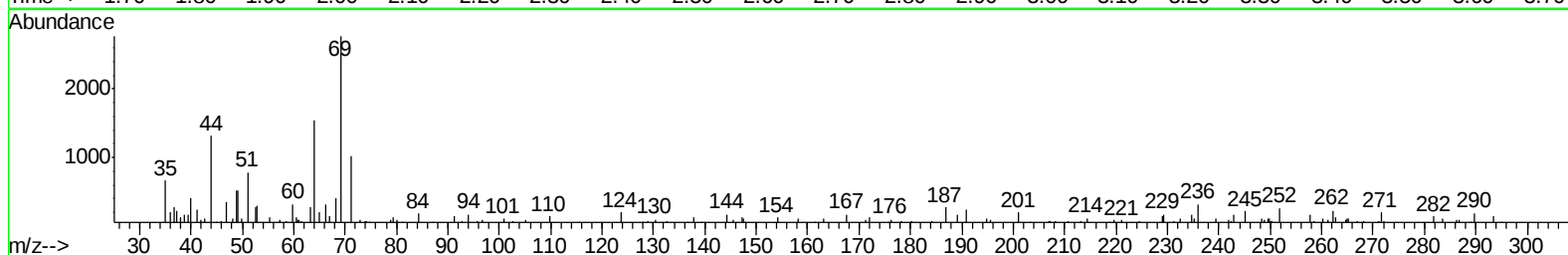
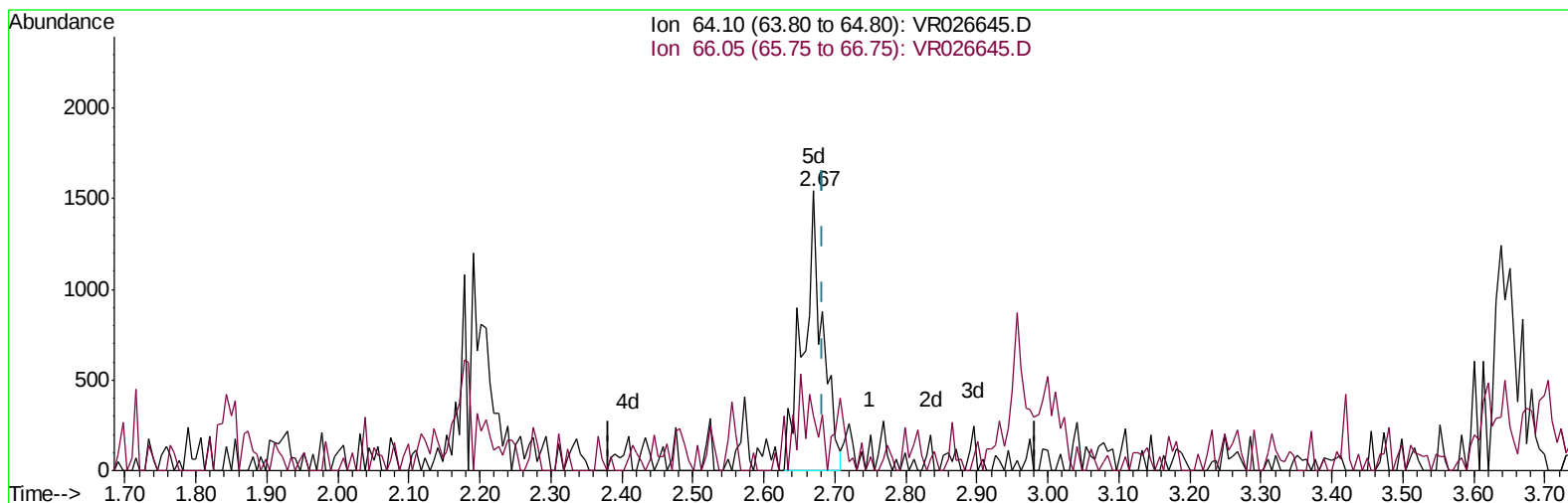
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ClientSampleId :
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TIC: VR026645.D

(8) Chloroethane (T)

2.671min (-0.012) 0.28ug/L m

response 2917

Ion	Exp%	Act%
64.10	100	100
66.05	31.80	19.74#
0.00	0.00	0.00
0.00	0.00	0.00

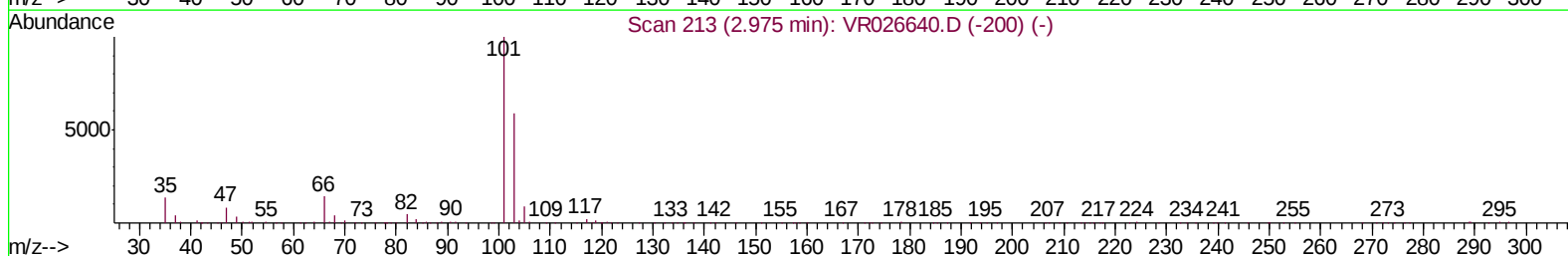
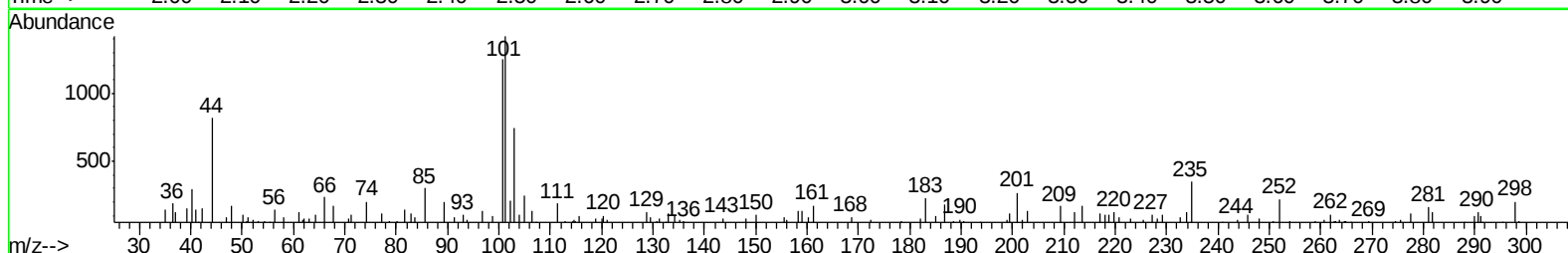
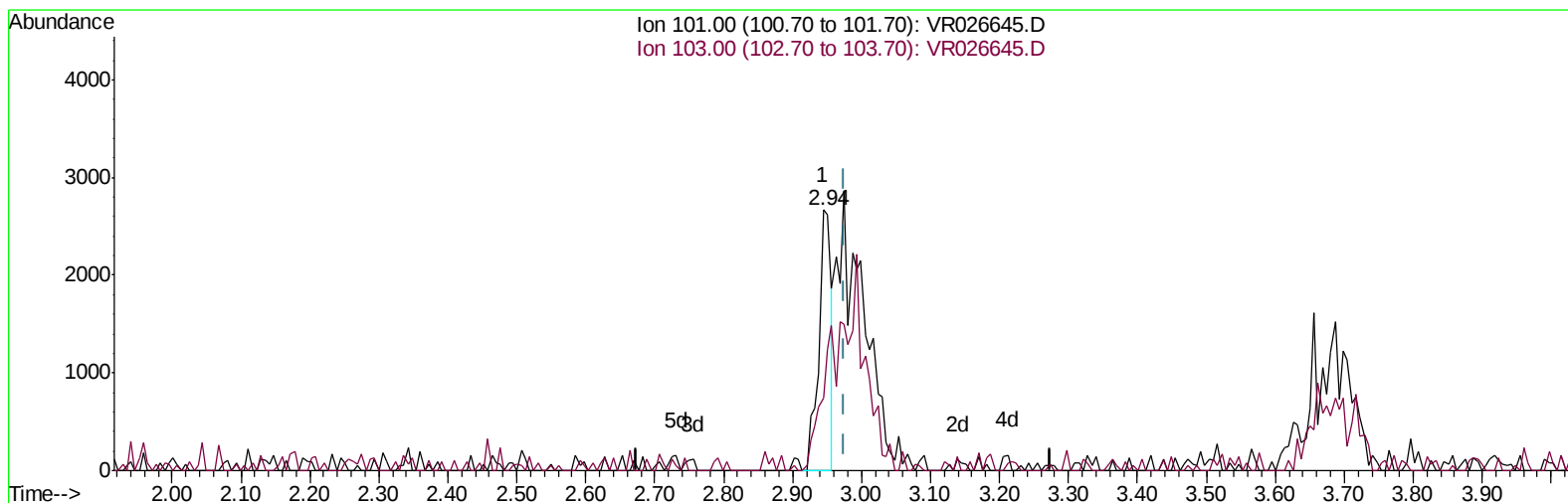
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TIC: VR026645.D

(9) Trichlorofluoromethane (T)

2.944min (-0.030) 0.11ug/L

response 3411

Ion	Exp%	Act%
101.00	100	100
103.00	63.60	62.09
0.00	0.00	0.00
0.00	0.00	0.00

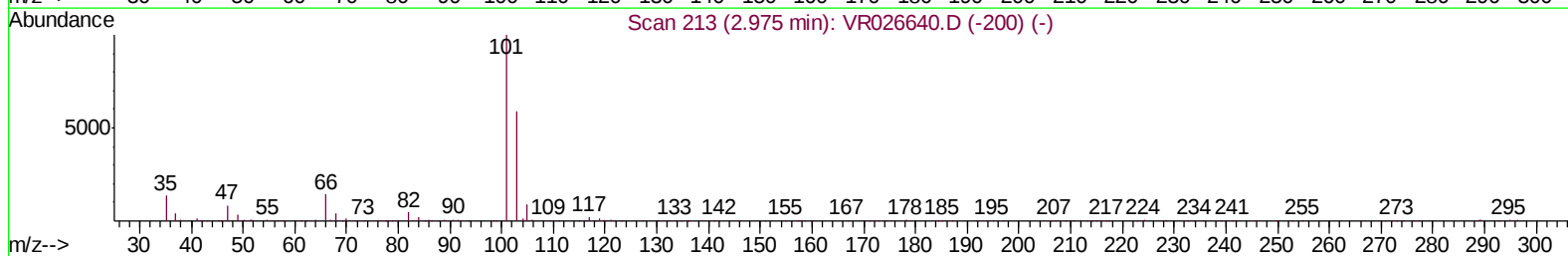
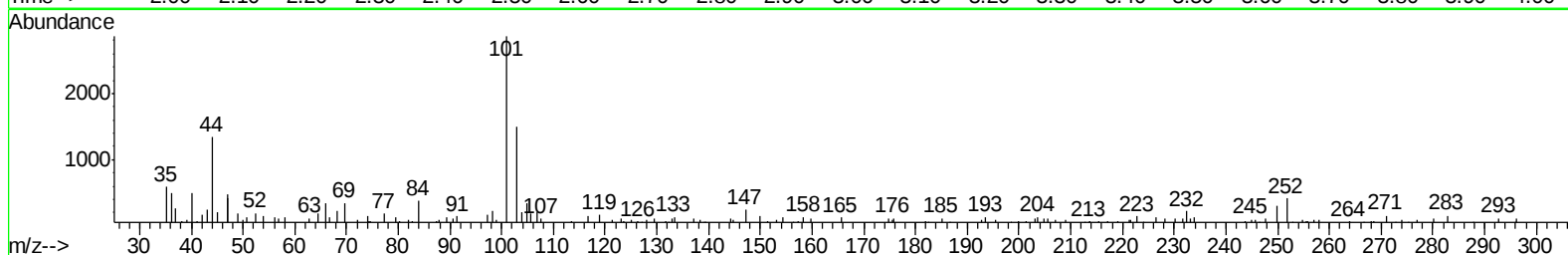
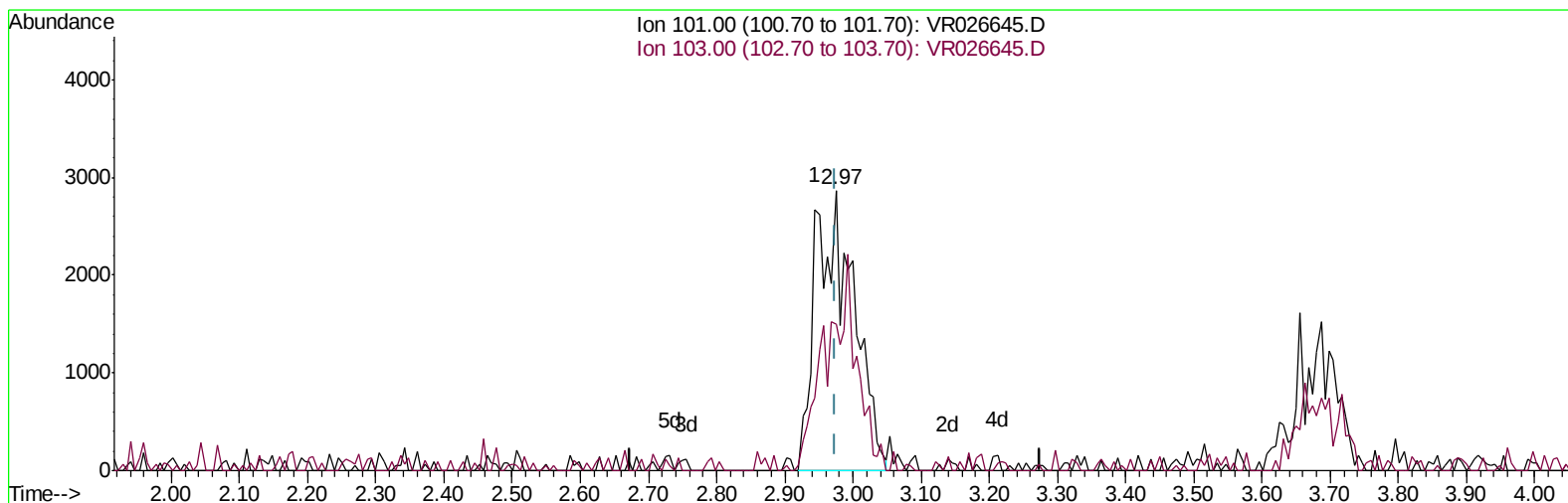
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Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
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TIC: VR026645.D

(9) Trichlorofluoromethane (T)

2.975min (+0.000) 0.35ug/L m

response 11064

Ion	Exp%	Act%
101.00	100	100
103.00	63.60	19.14#
0.00	0.00	0.00
0.00	0.00	0.00

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Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

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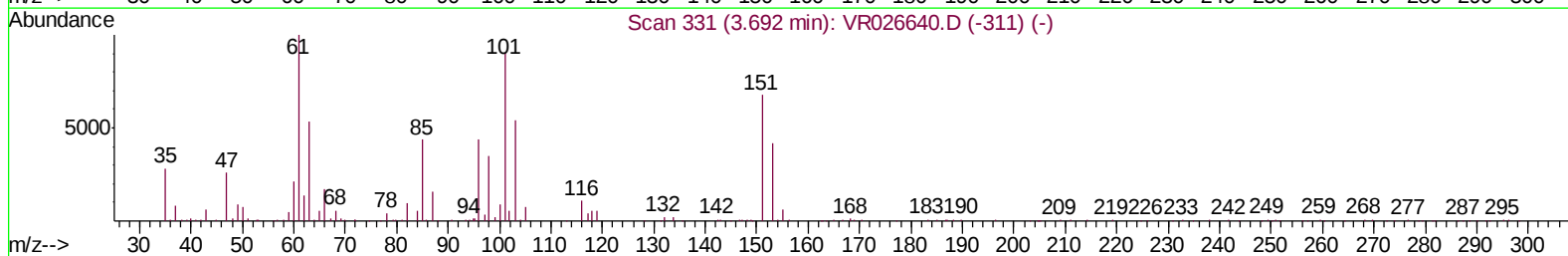
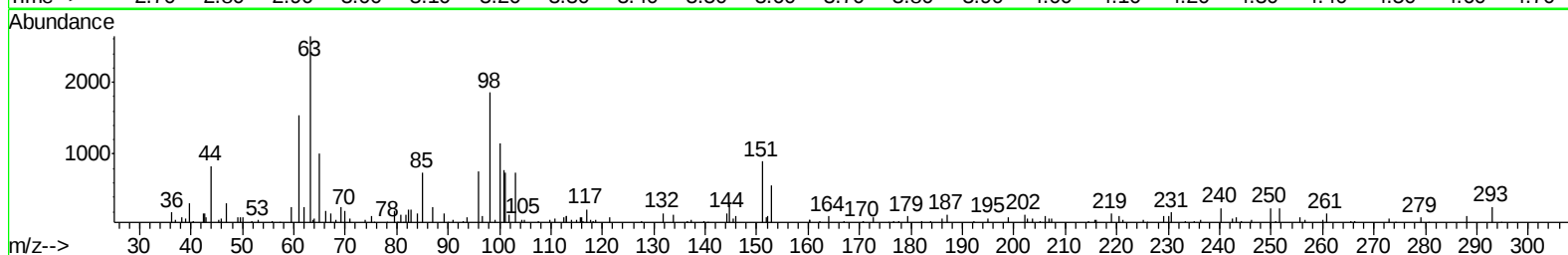
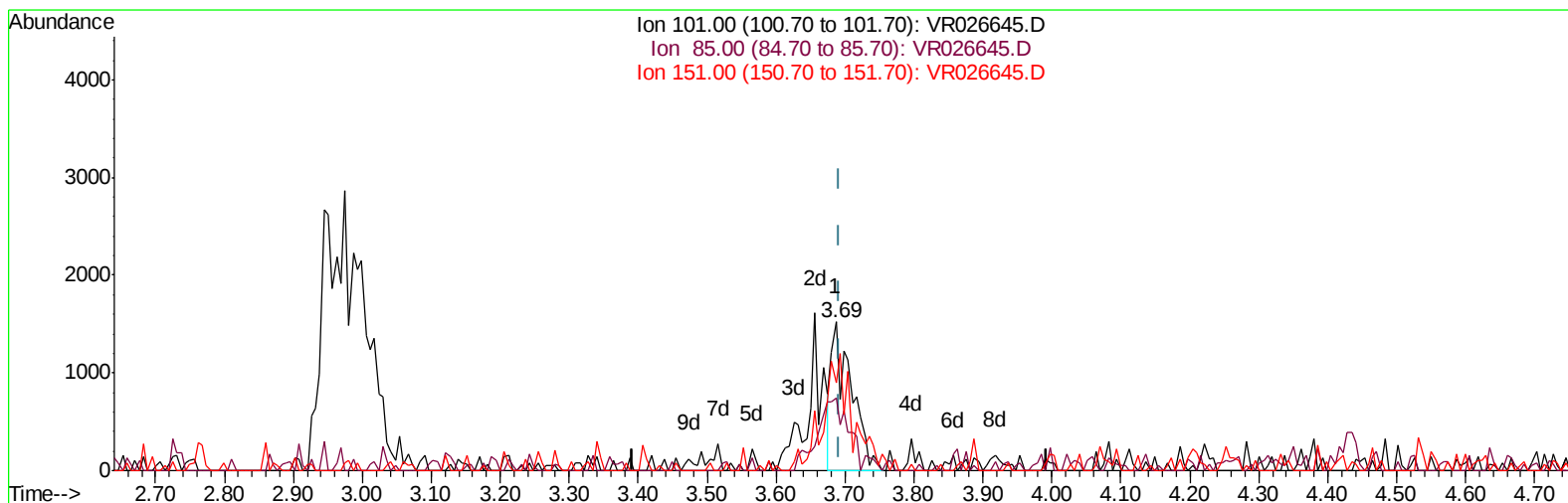
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

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TIC: VR026645.D

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.687min (-0.006) 0.23ug/L

response 3088

Ion	Exp%	Act%
101.00	100	100
85.00	49.60	78.24#
151.00	73.00	96.99#
0.00	0.00	0.00

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
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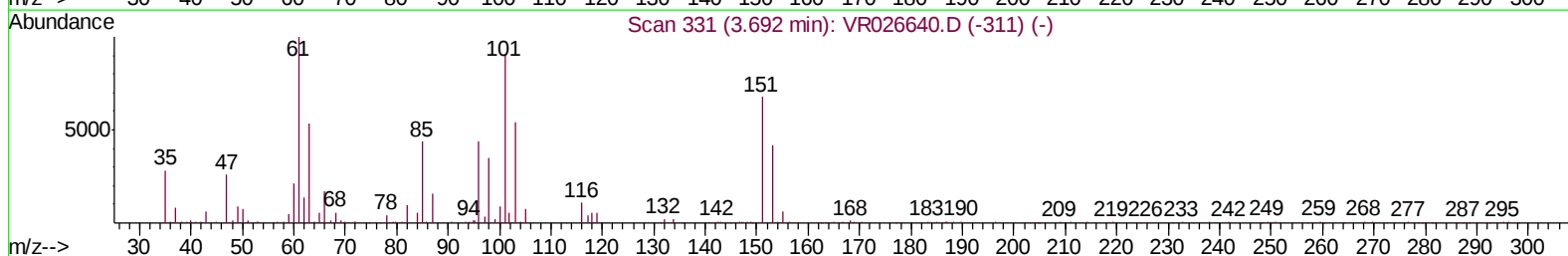
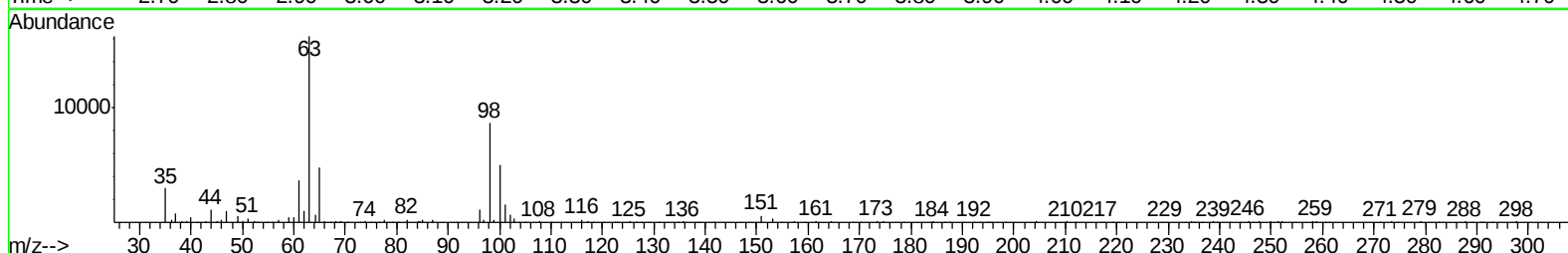
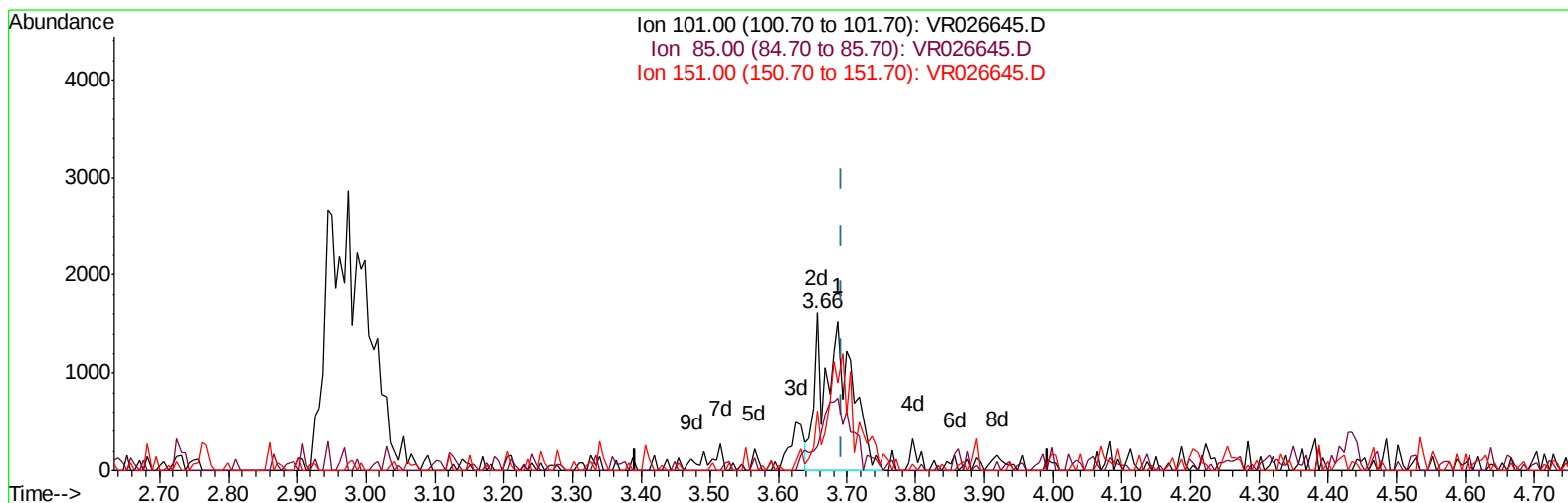
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(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.656min (-0.036) 0.36ug/L m

response 4867

Ion	Exp%	Act%
101.00	100	100
85.00	49.60	49.64
151.00	73.00	61.54
0.00	0.00	0.00

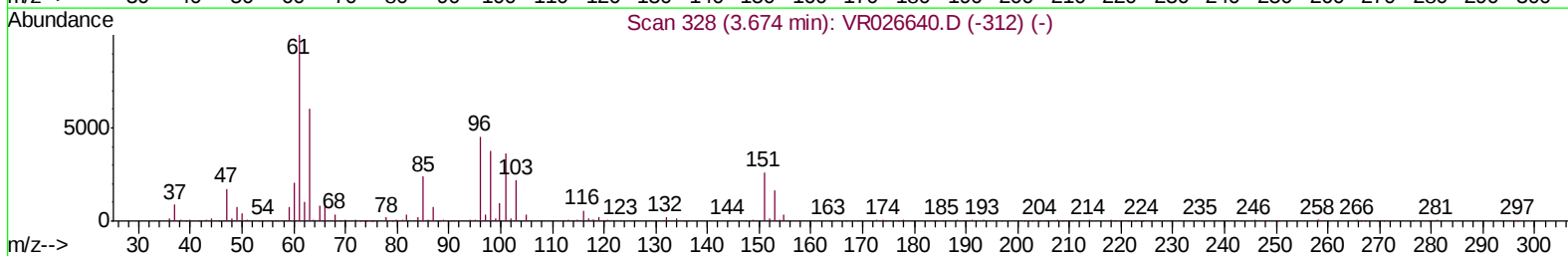
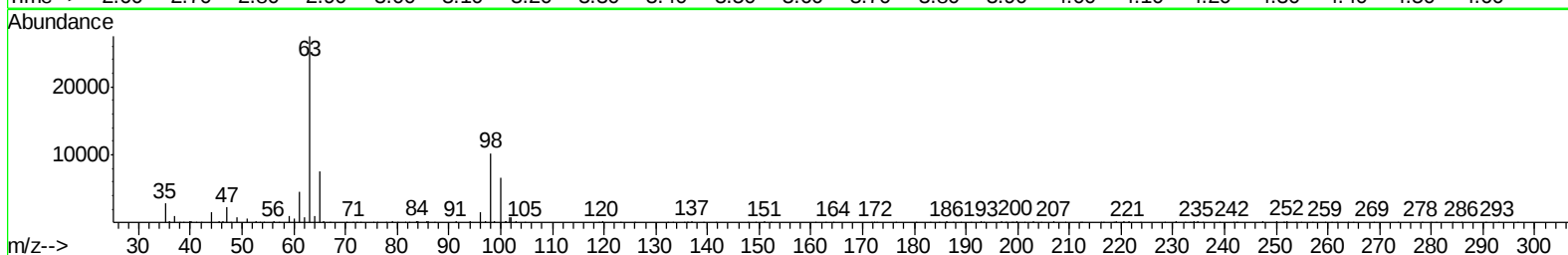
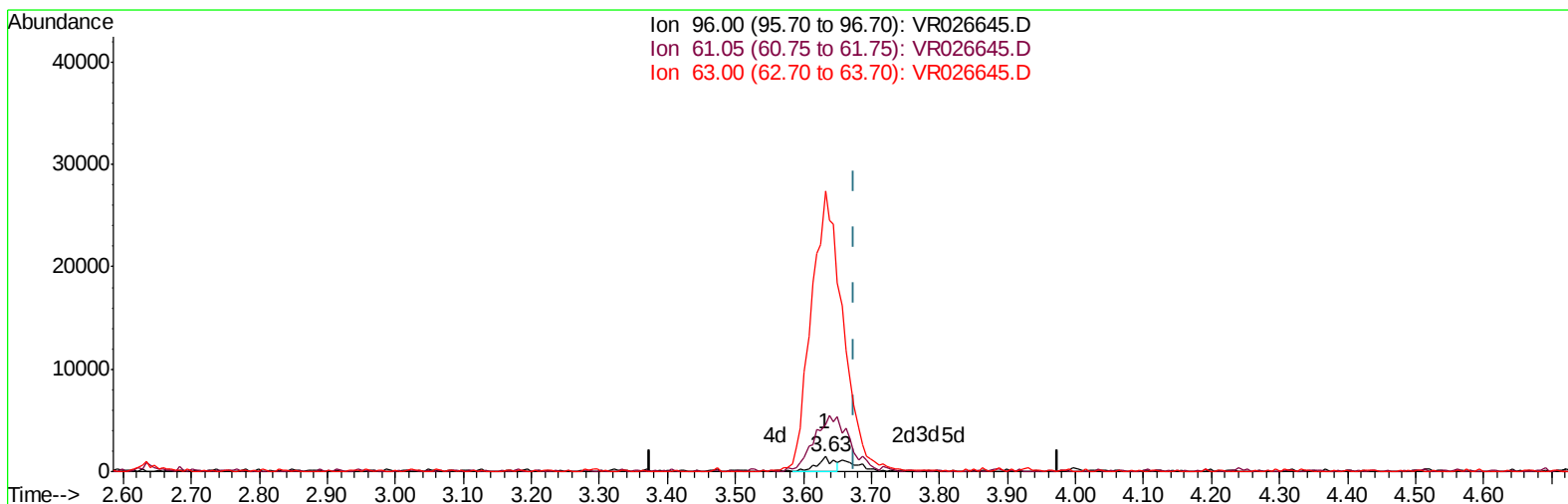
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(12) 1,1-Dichloroethene (T)

3.632min (-0.042) 0.17ug/L

response 2306

Ion	Exp%	Act%
96.00	100	100
61.05	204.70	316.93#
63.00	160.80	1870.31#
0.00	0.00	0.00

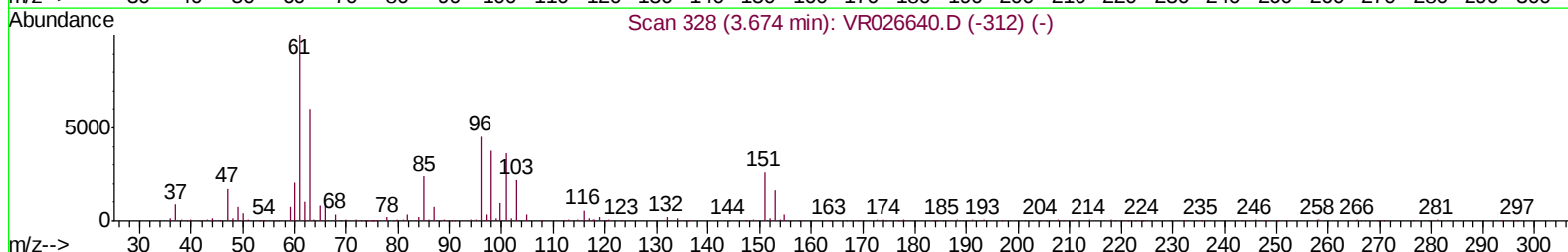
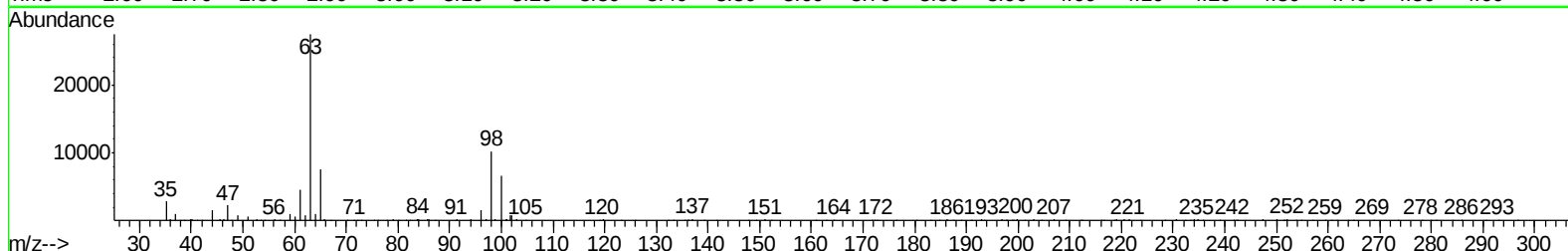
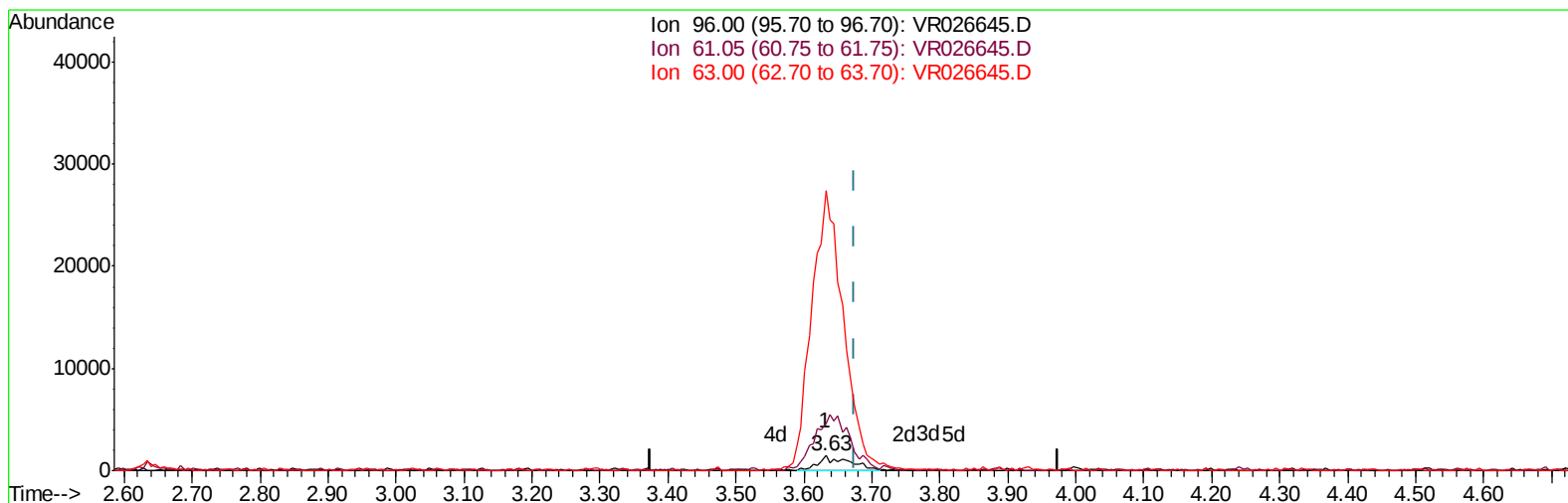
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(12) 1,1-Dichloroethene (T)
3.632min (-0.042) 0.34ug/L m

response 4624

Ion	Exp%	Act%
96.00	100	100
61.05	204.70	316.93#
63.00	160.80	1870.31#
0.00	0.00	0.00

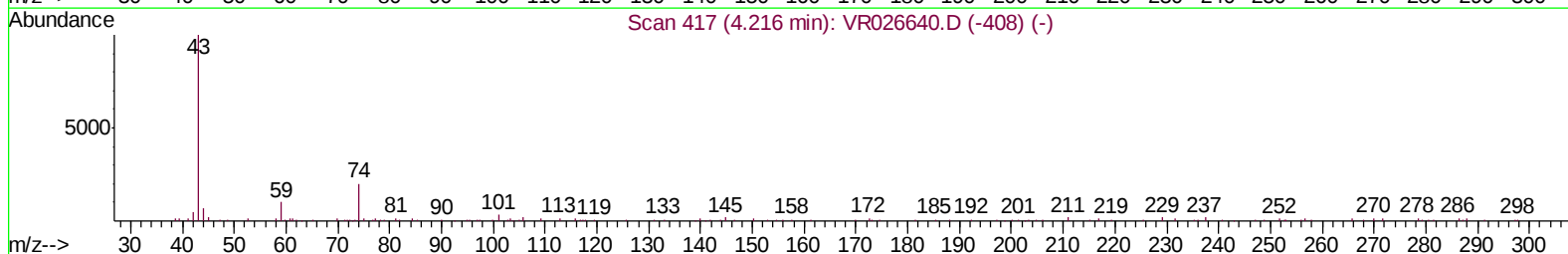
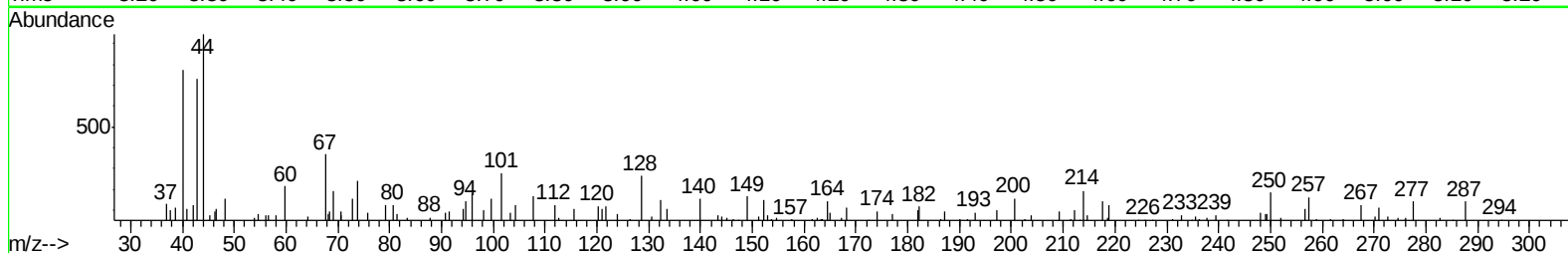
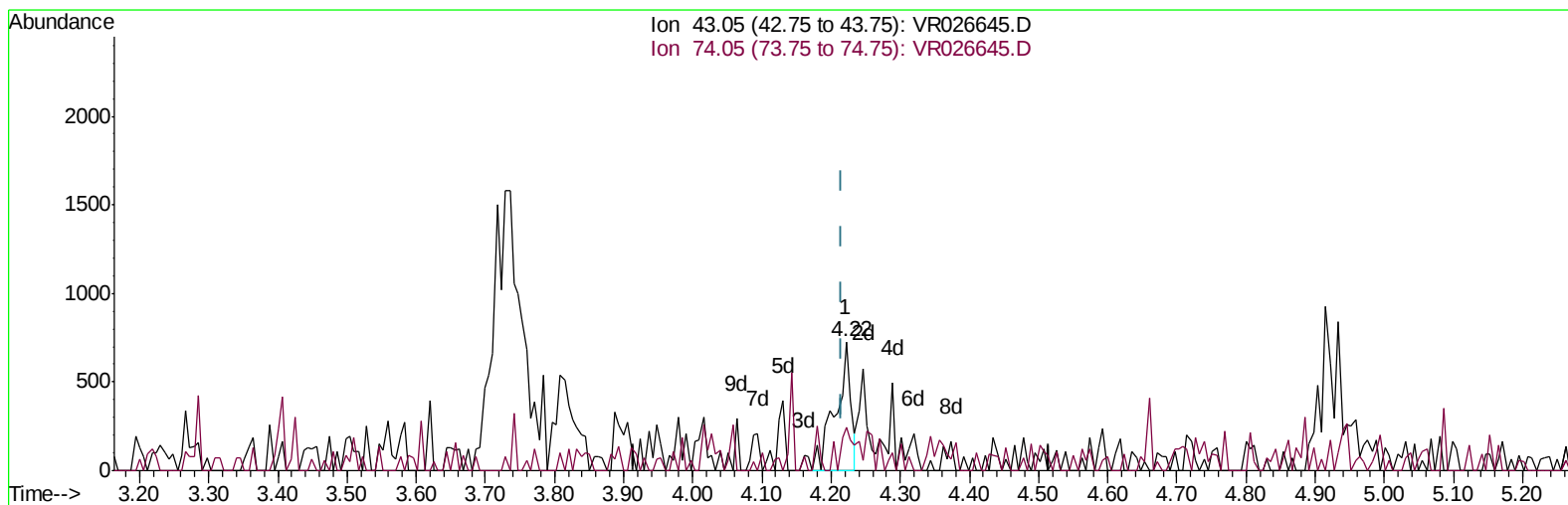
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(15) Methyl Acetate (T)

4.222min (+0.006) 0.20ug/L

response 1136

Ion	Exp%	Act%
43.05	100	100
74.05	21.90	36.53#
0.00	0.00	0.00
0.00	0.00	0.00

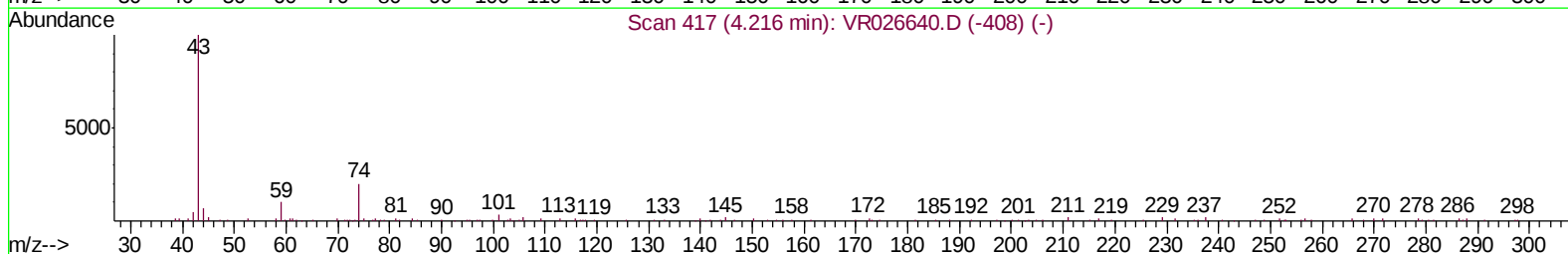
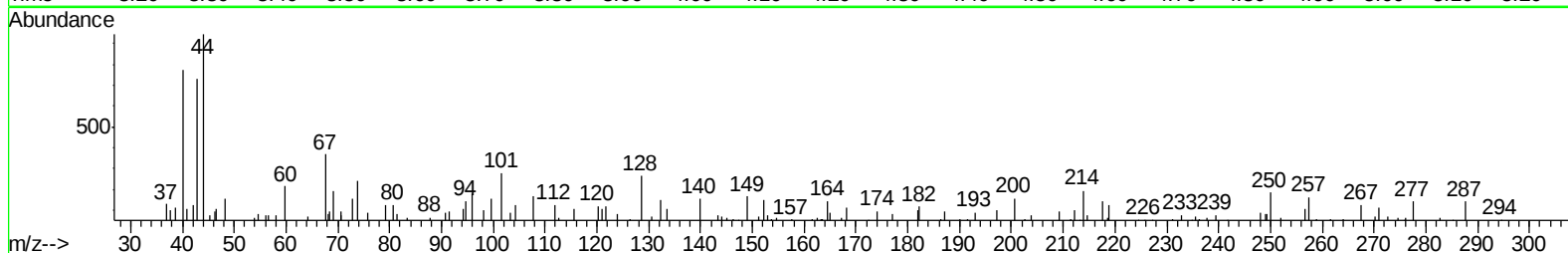
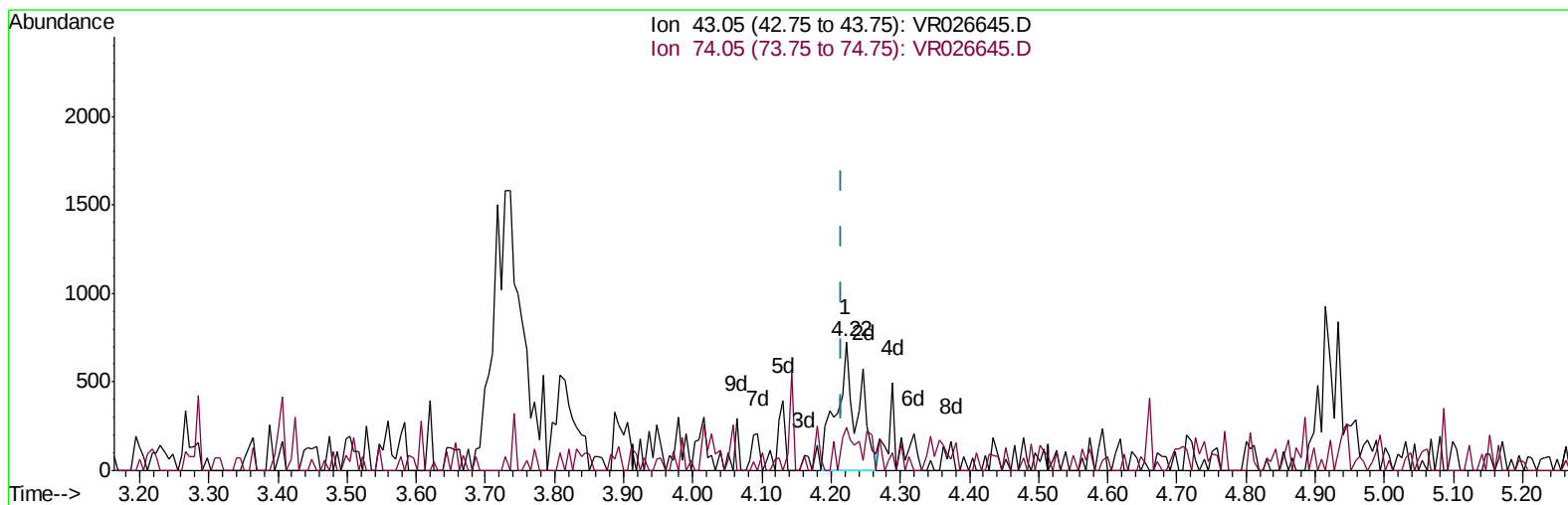
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(15) Methyl Acetate (T)

4.222min (+0.006) 0.28ug/L m

response 1584

Ion	Exp%	Act%
43.05	100	100
74.05	21.90	26.20
0.00	0.00	0.00
0.00	0.00	0.00

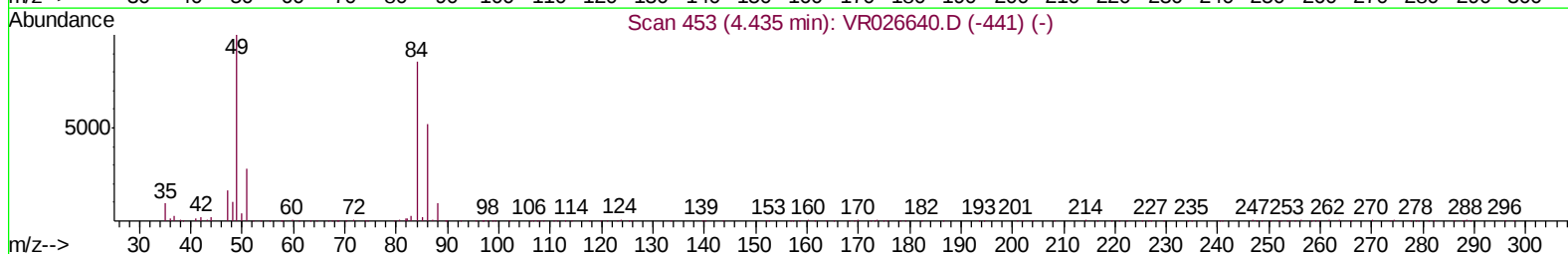
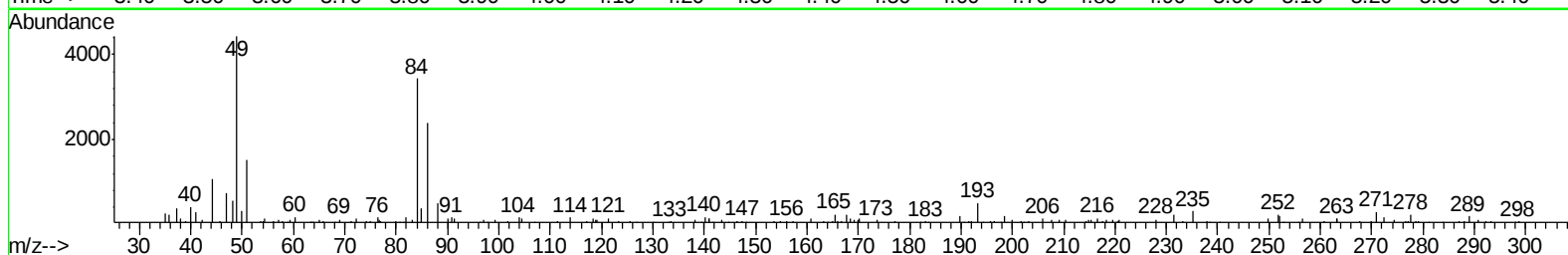
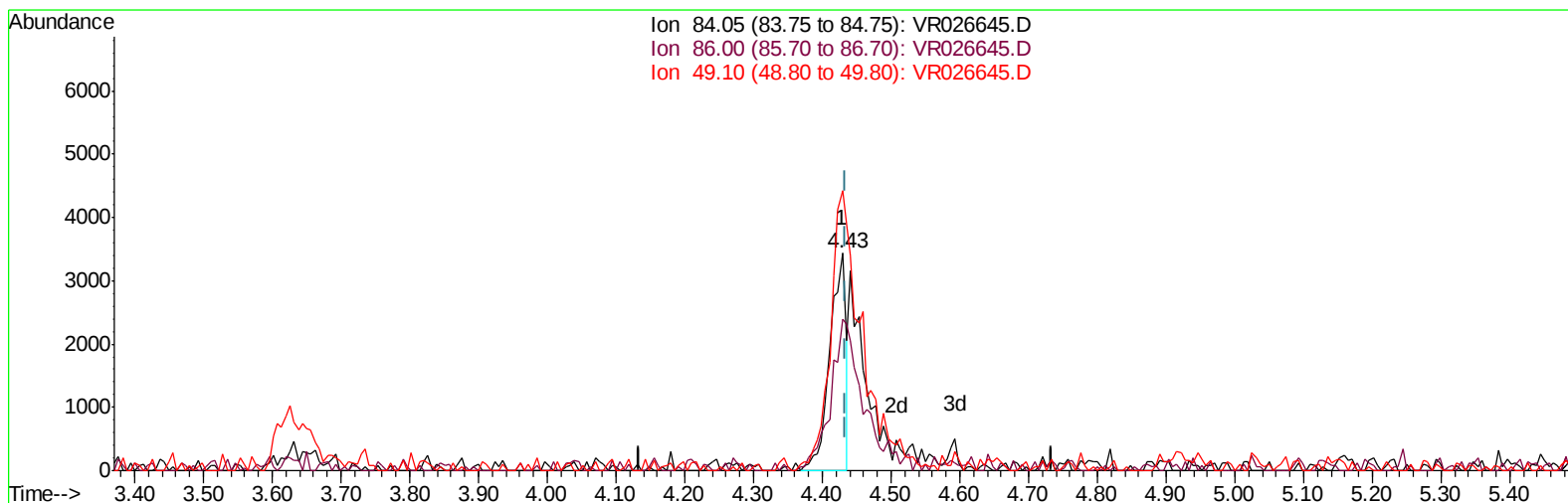
Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(16) Methylene chloride (T)

4.429min (-0.006) 0.20ug/L

response 5551

Ion	Exp%	Act%
84.05	100	100
86.00	63.10	69.87
49.10	117.60	128.88
0.00	0.00	0.00

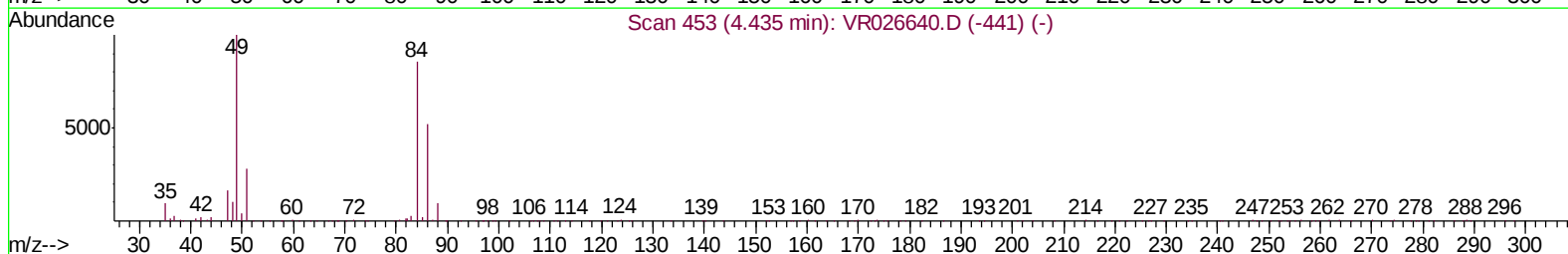
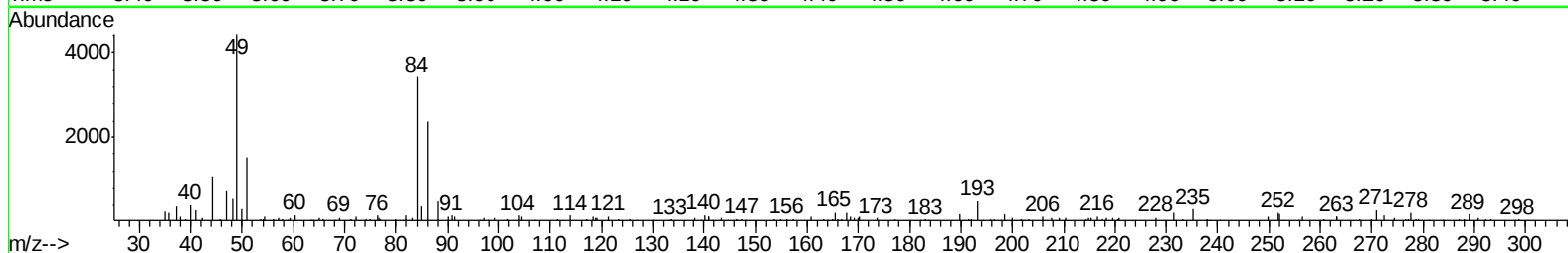
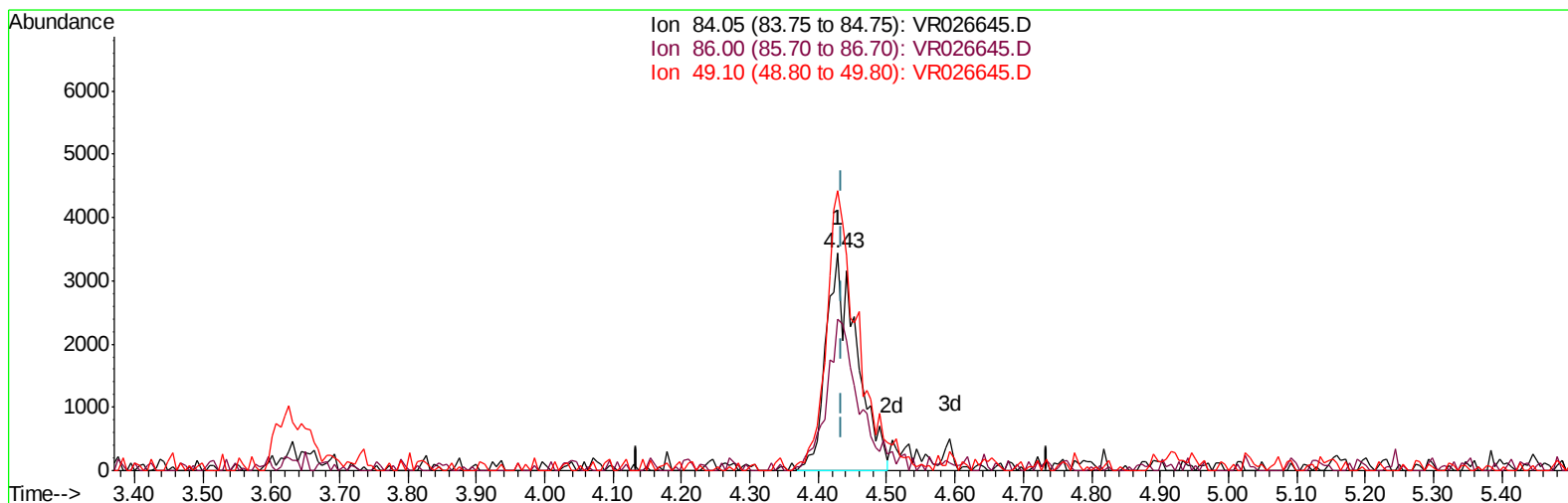
Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(16) Methylene chloride (T)
4.429min (-0.006) 0.39ug/L m
response 10828

Ion	Exp%	Act%
84.05	100	100
86.00	63.10	69.87
49.10	117.60	128.88
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :

MSVOA_R

ClientSampleId :

MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

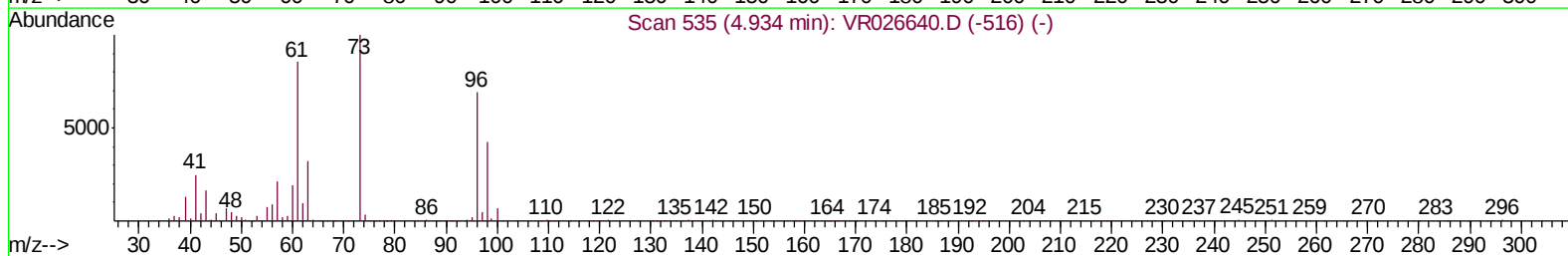
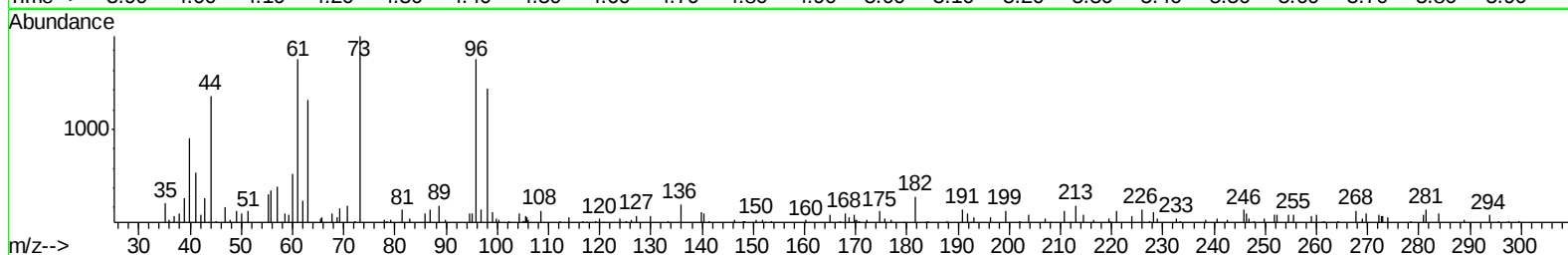
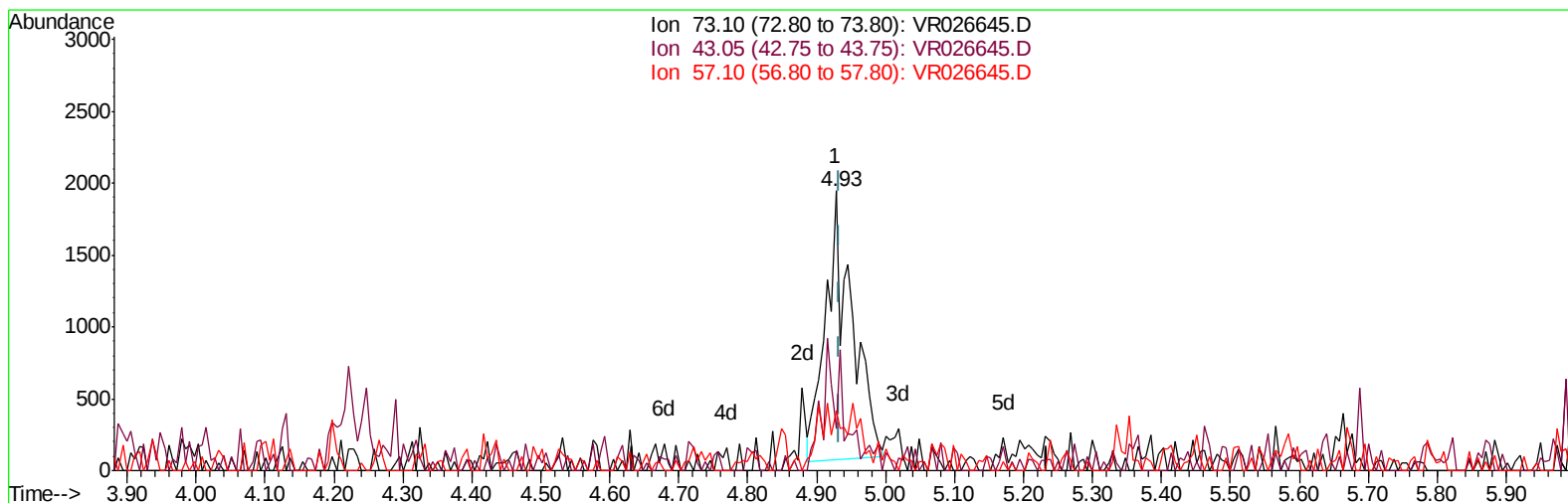
Quant Time: Sep 18 07:14:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(17) Methyl tert-butyl Ether (T)

4.928min (-0.006) 0.17ug/L

response 4930

Ion	Exp%	Act%
73.10	100	100
43.05	18.40	21.34
57.10	23.60	7.99#
0.00	0.00	0.00

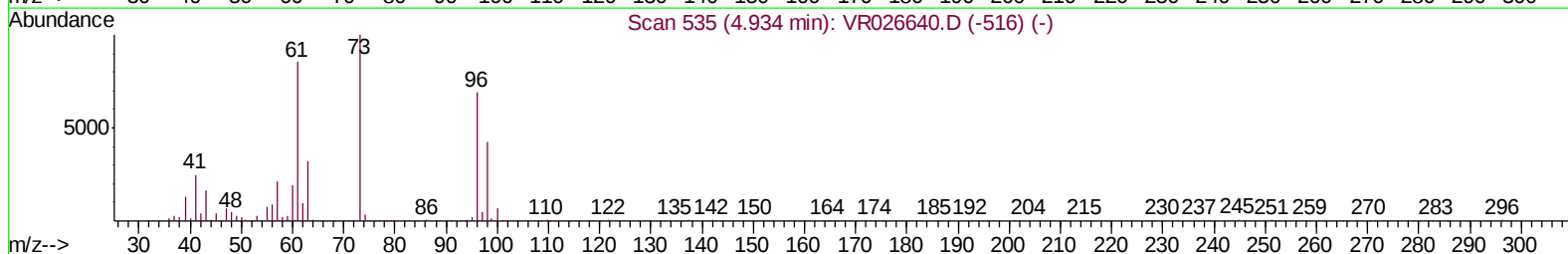
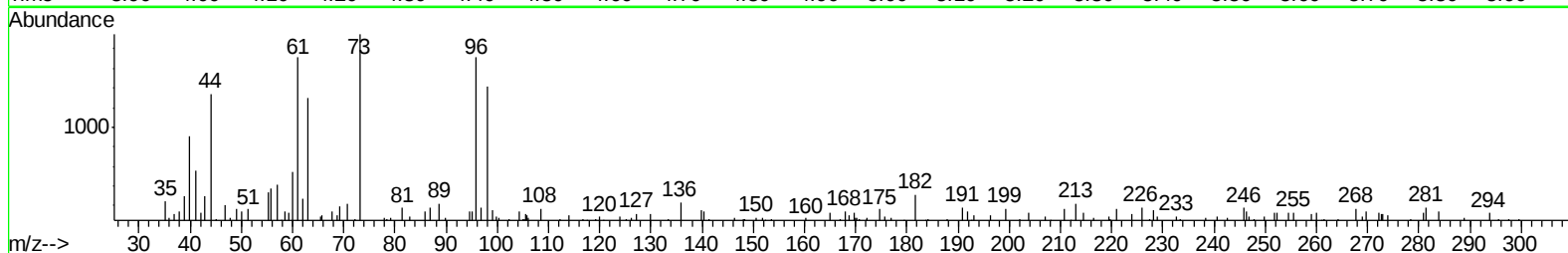
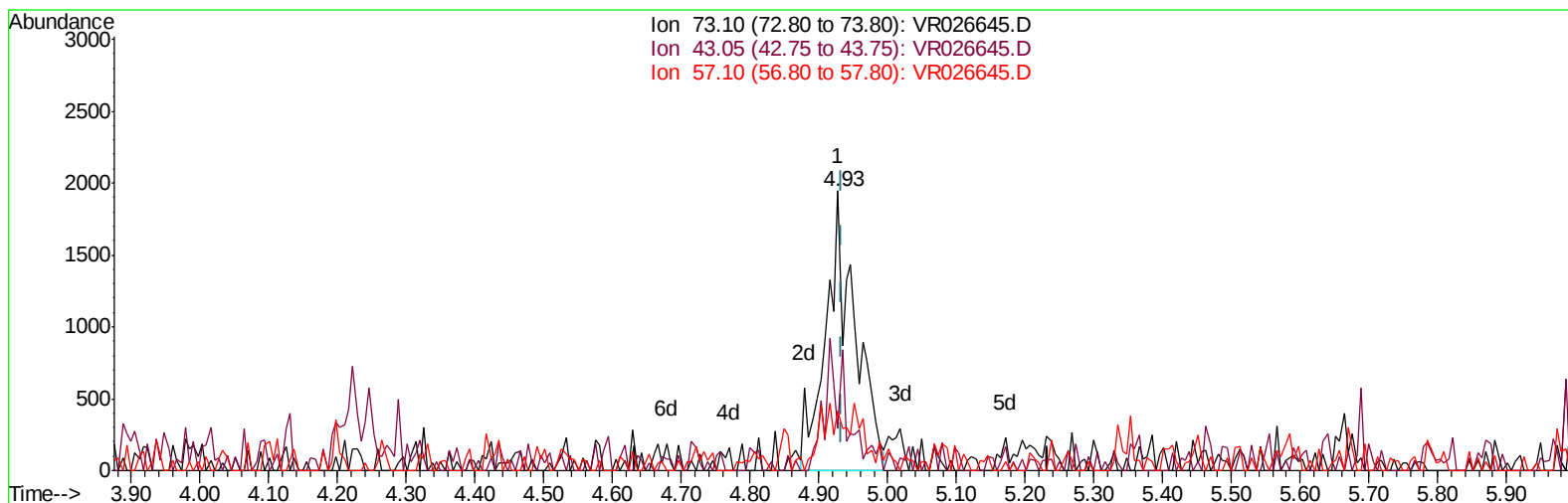
Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(17) Methyl tert-butyl Ether (T)

4.928min (-0.006) 0.20ug/L m

response 5747

Ion	Exp%	Act%
73.10	100	100
43.05	18.40	18.31
57.10	23.60	6.86#
0.00	0.00	0.00

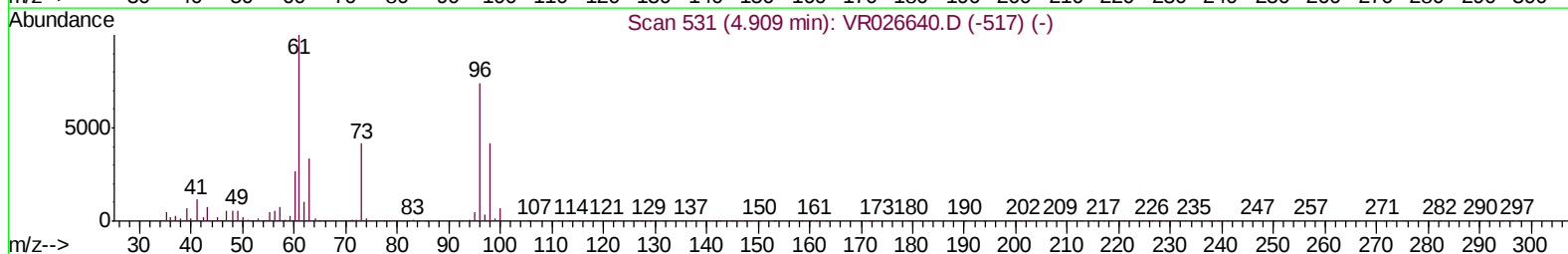
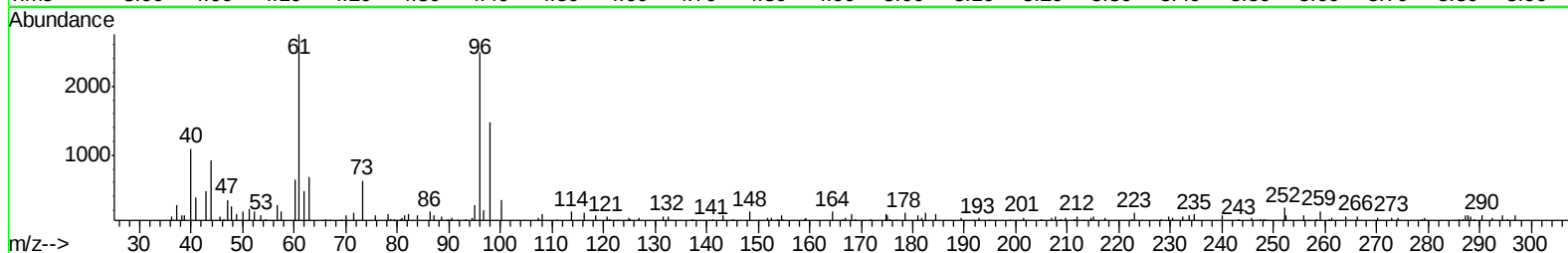
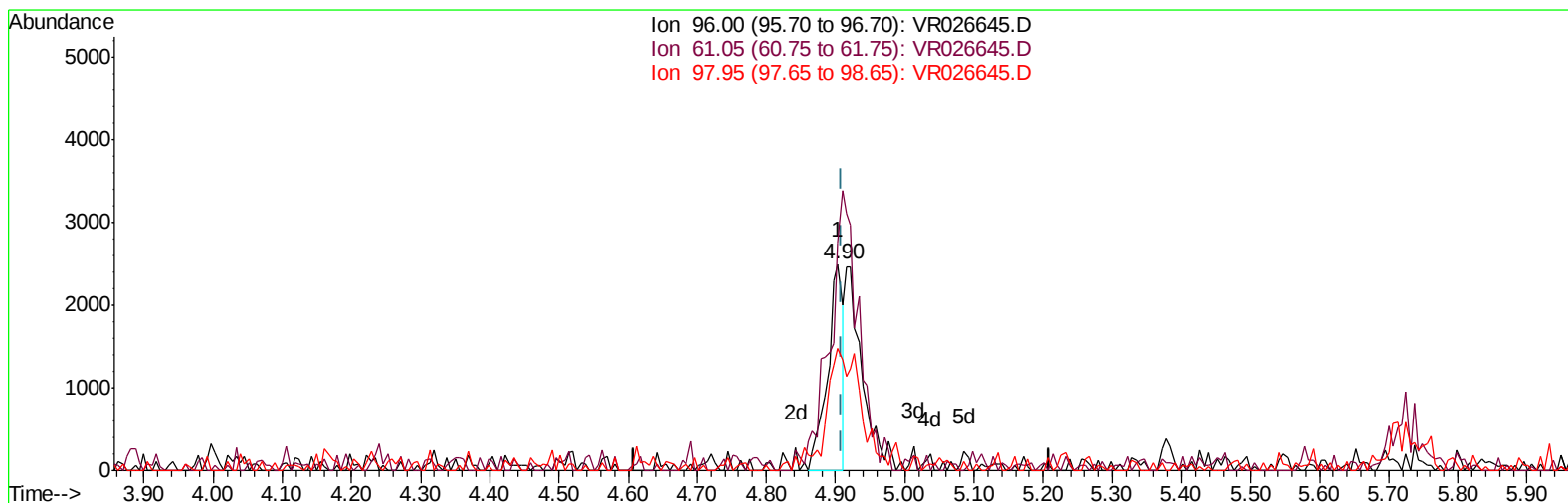
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Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(18) trans-1,2-Dichloroethene (T)

4.903min (-0.006) 0.13ug/L

response 3769

Ion	Exp%	Act%
96.00	100	100
61.05	149.20	110.59
97.95	63.10	59.17
0.00	0.00	0.00

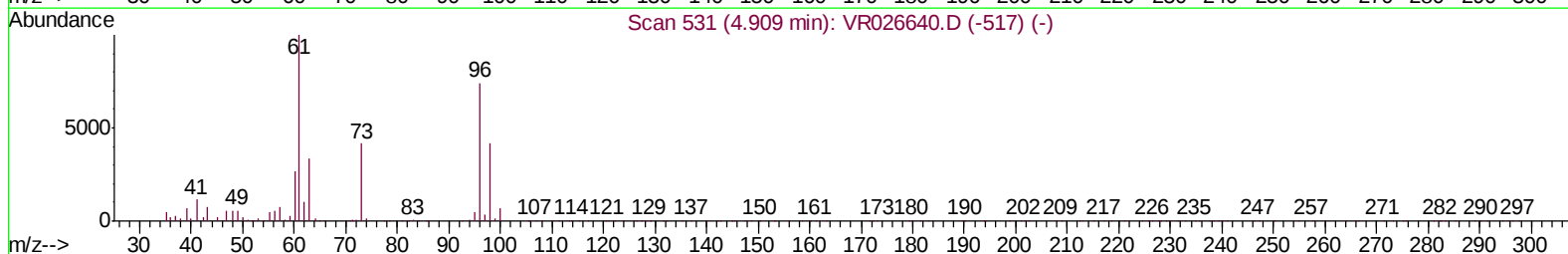
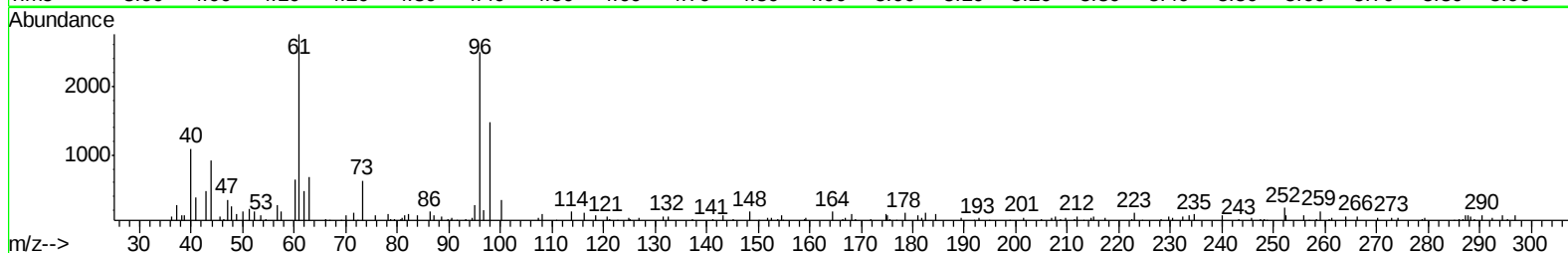
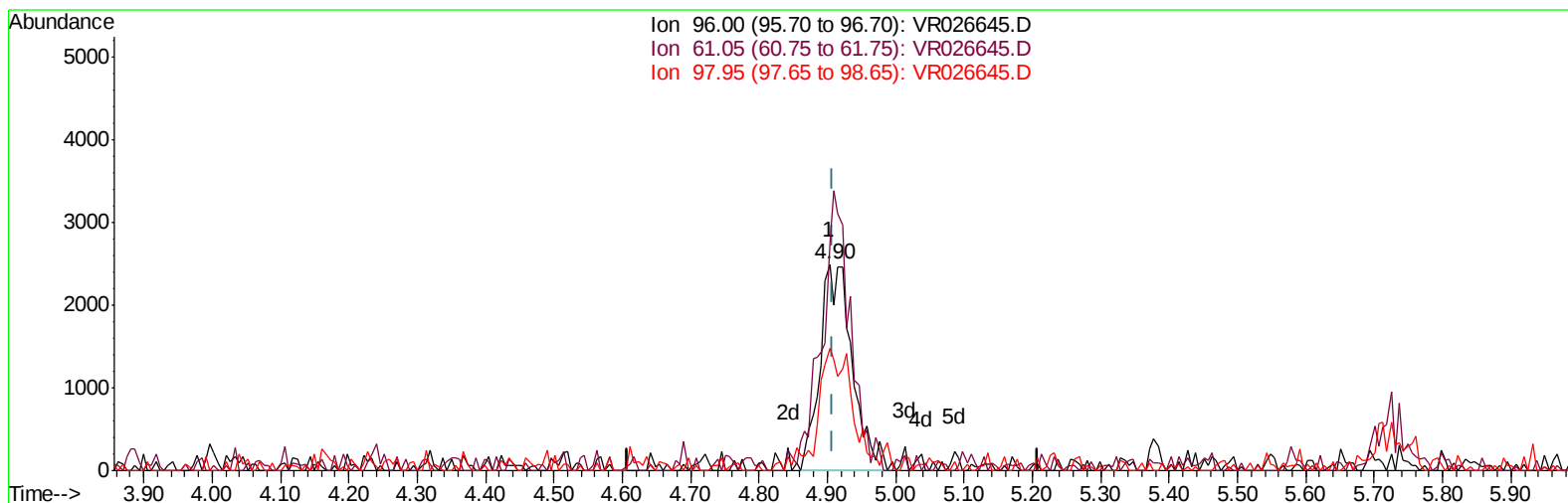
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Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(18) trans-1,2-Dichloroethene (T)

4.903min (-0.006) 0.29ug/L m

response 8125

Ion	Exp%	Act%
96.00	100	100
61.05	149.20	110.59
97.95	63.10	59.17
0.00	0.00	0.00

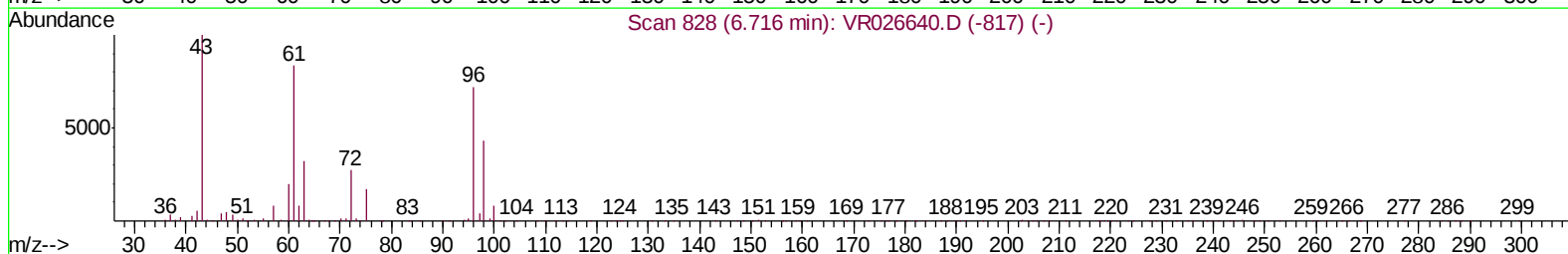
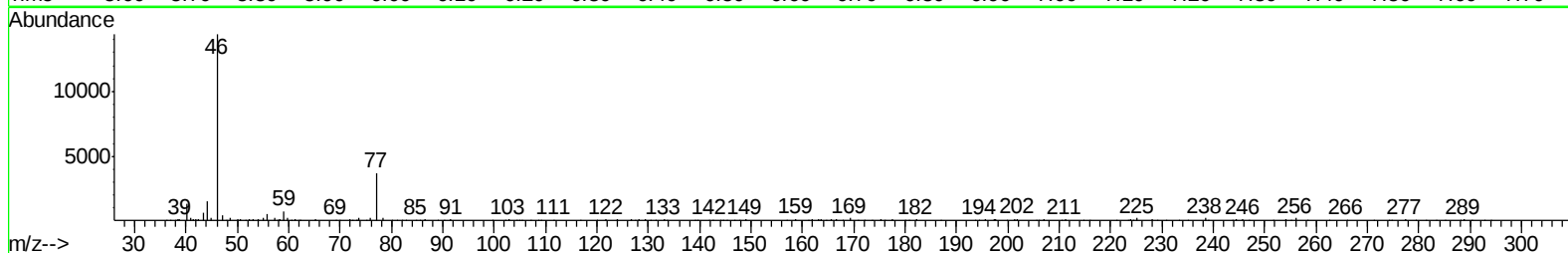
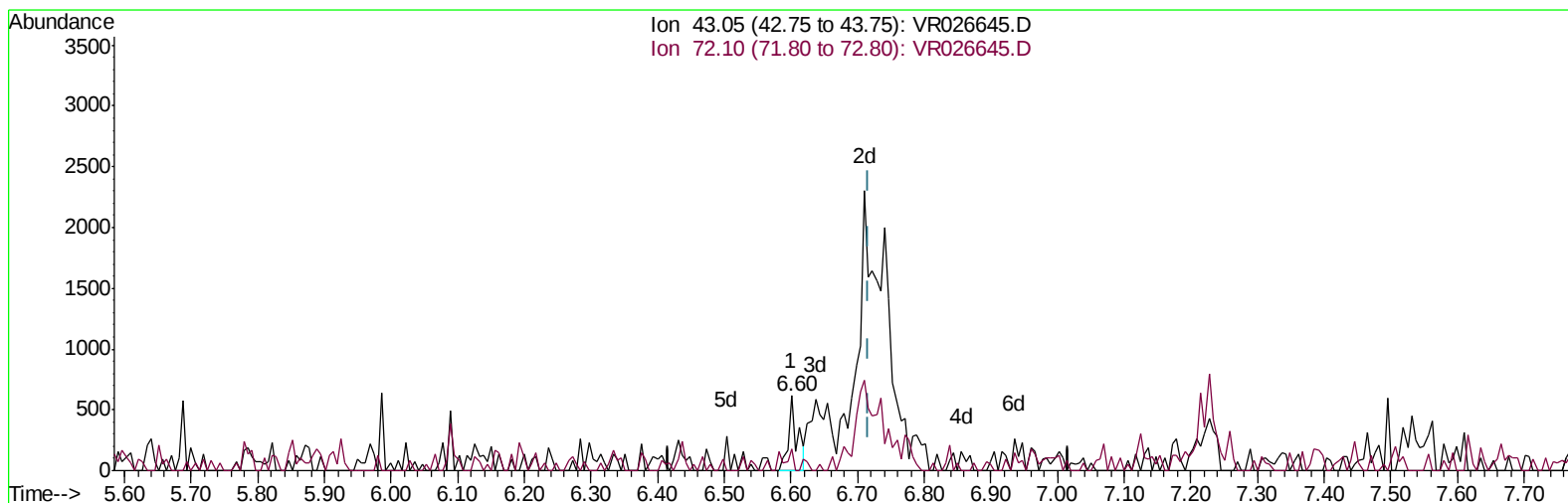
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Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(21) 2-Butanone (T)
6.601min (-0.115) 0.23ug/L

response 582

Ion	Exp%	Act%
43.05	100	100
72.10	30.10	29.73
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

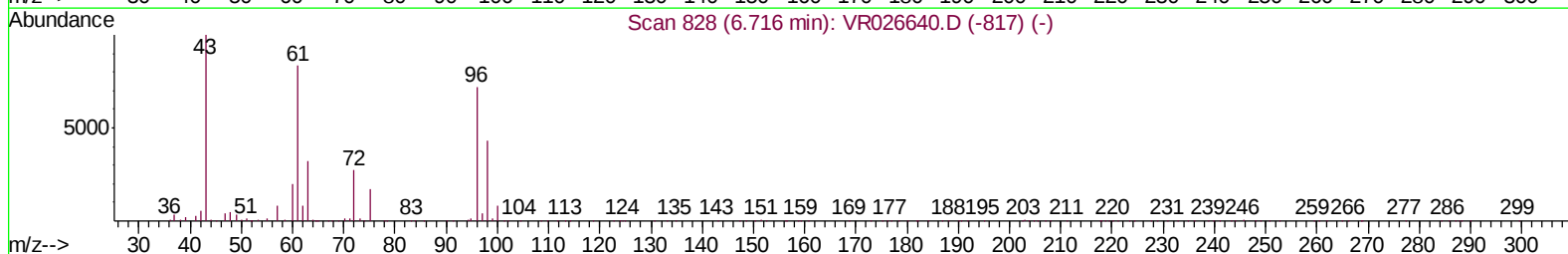
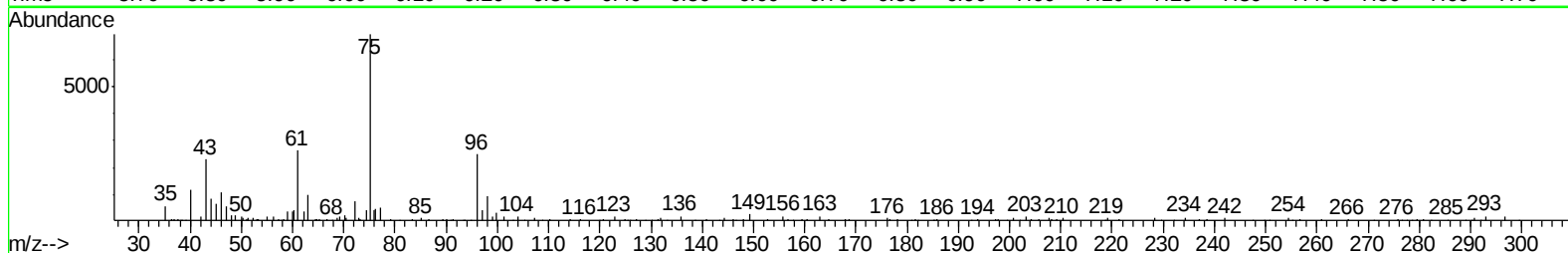
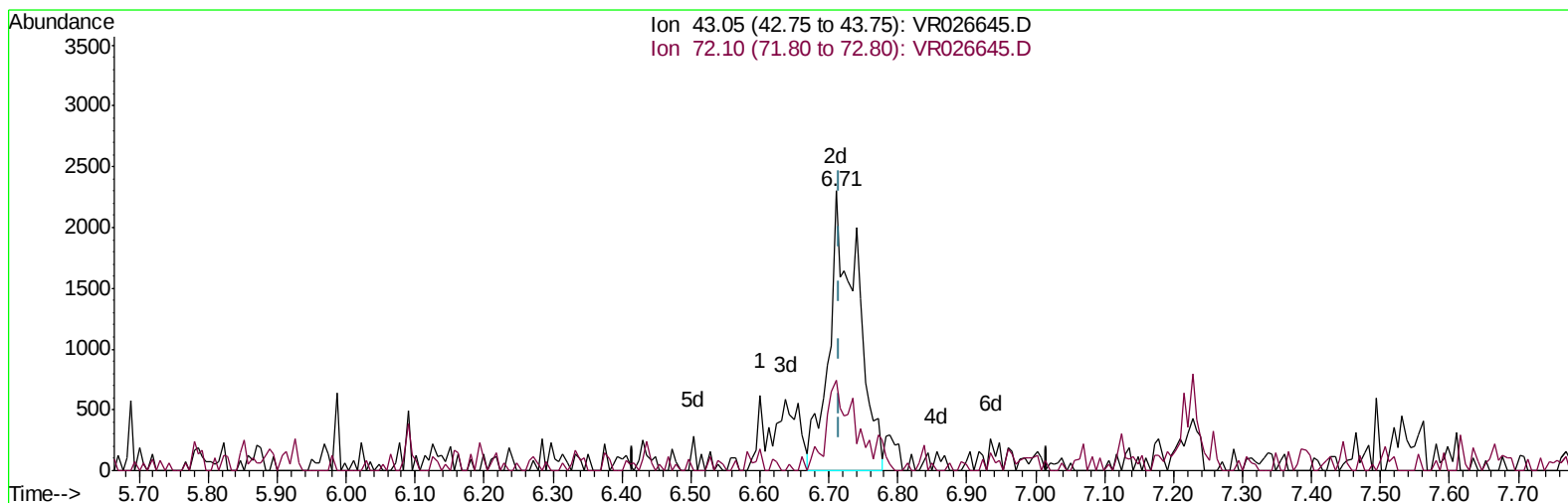
Quant Time: Sep 18 07:14:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(21) 2-Butanone (T)

6.710min (-0.006) 2.62ug/L m

response 6543

Ion	Exp%	Act%
43.05	100	100
72.10	30.10	2.64#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

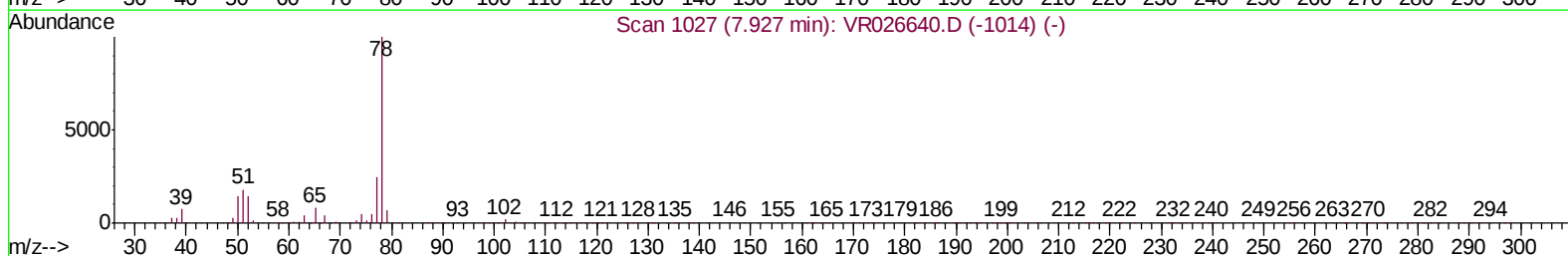
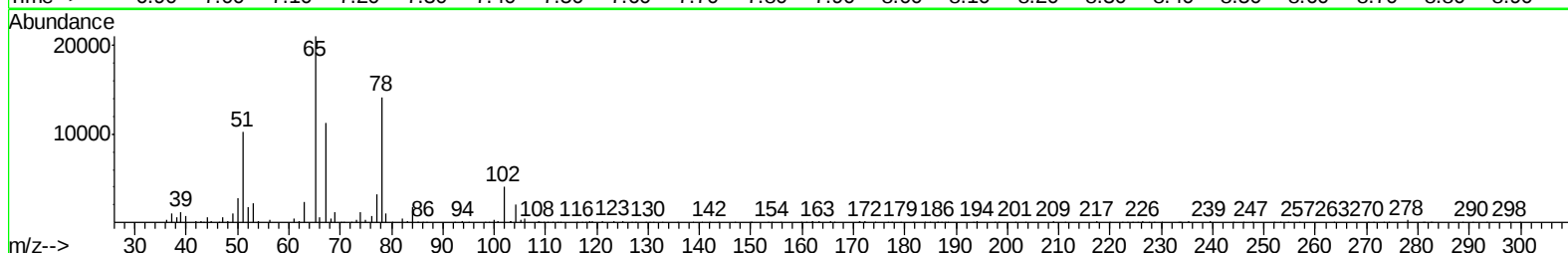
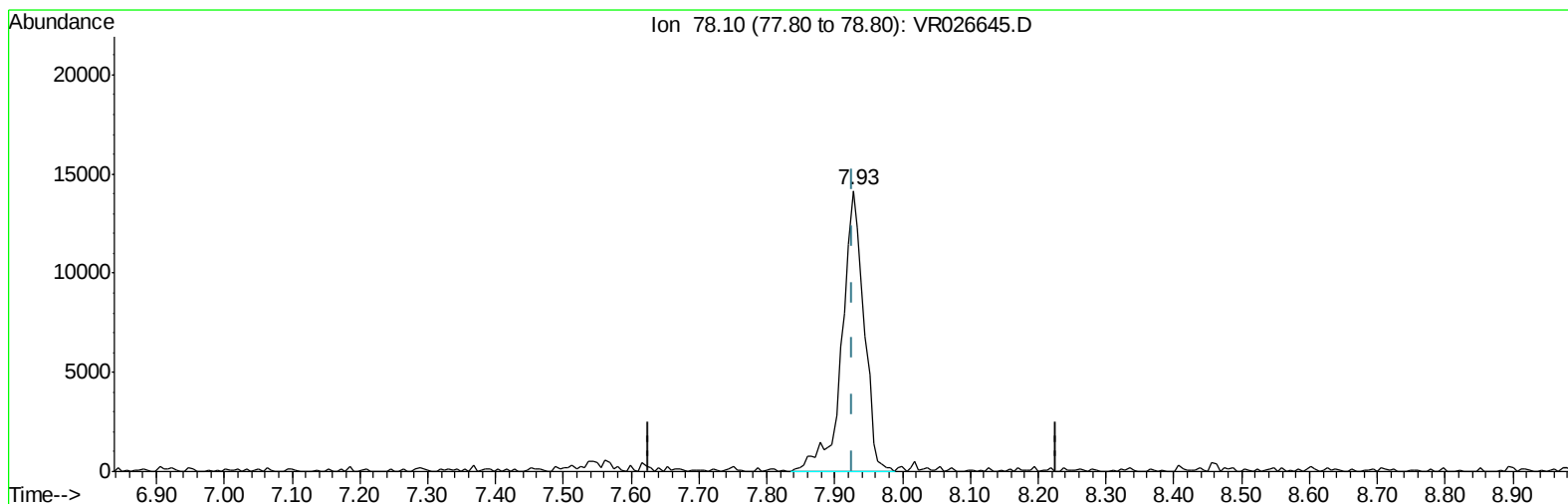
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(33) Benzene (T)

7.927min (+0.000) 0.28ug/L

response 31737

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

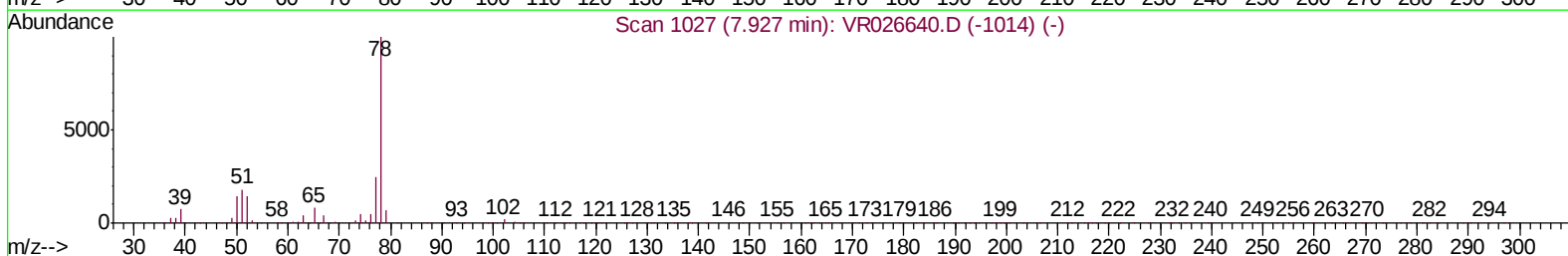
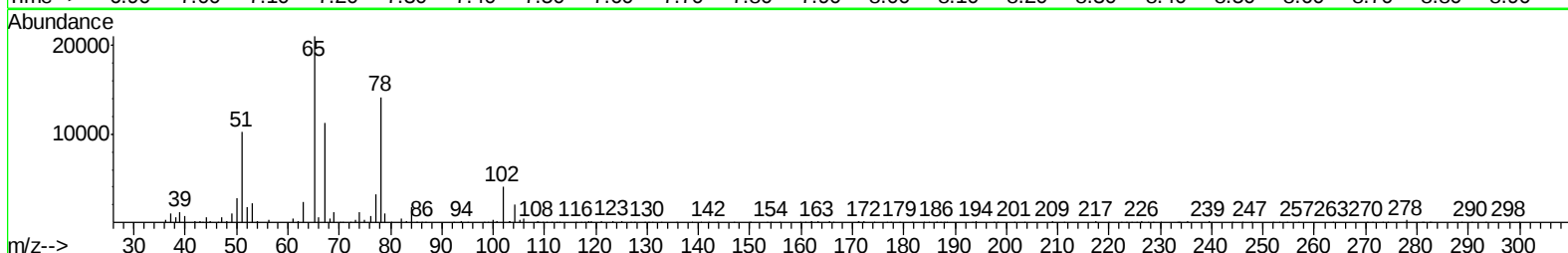
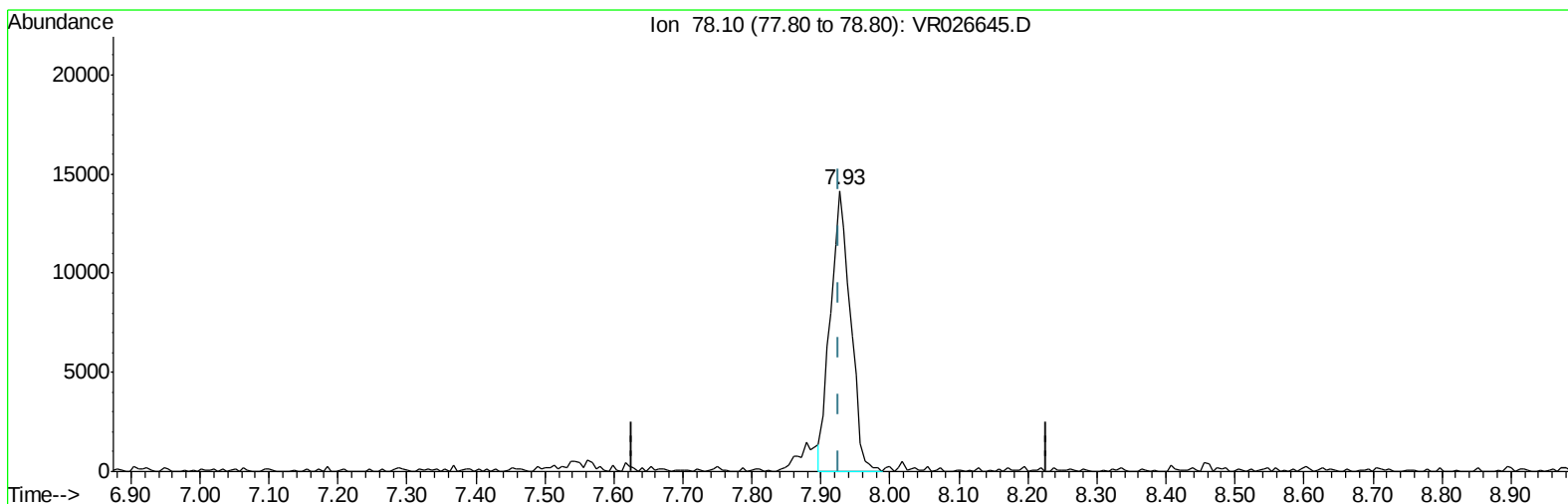
Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(33) Benzene (T)

7.927min (+0.000) 0.25ug/L m

response 28791

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

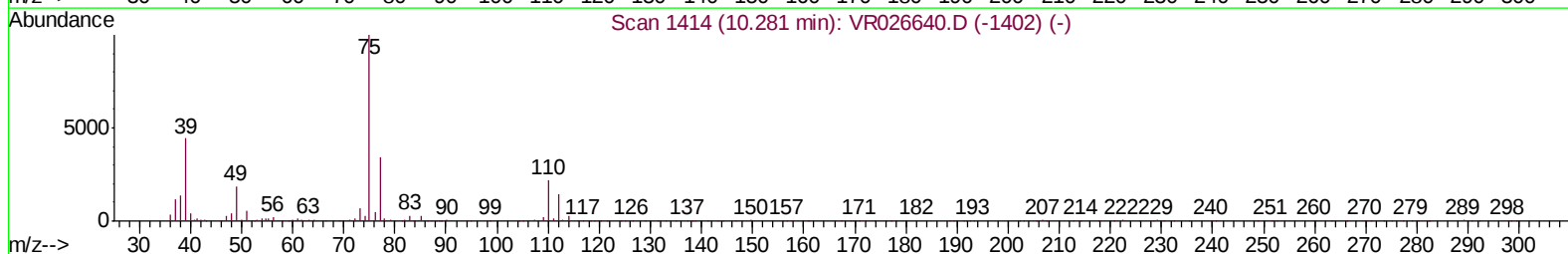
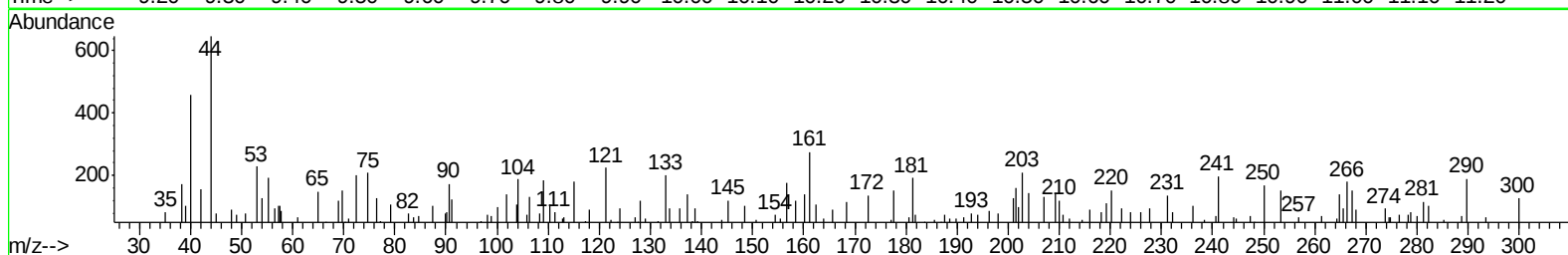
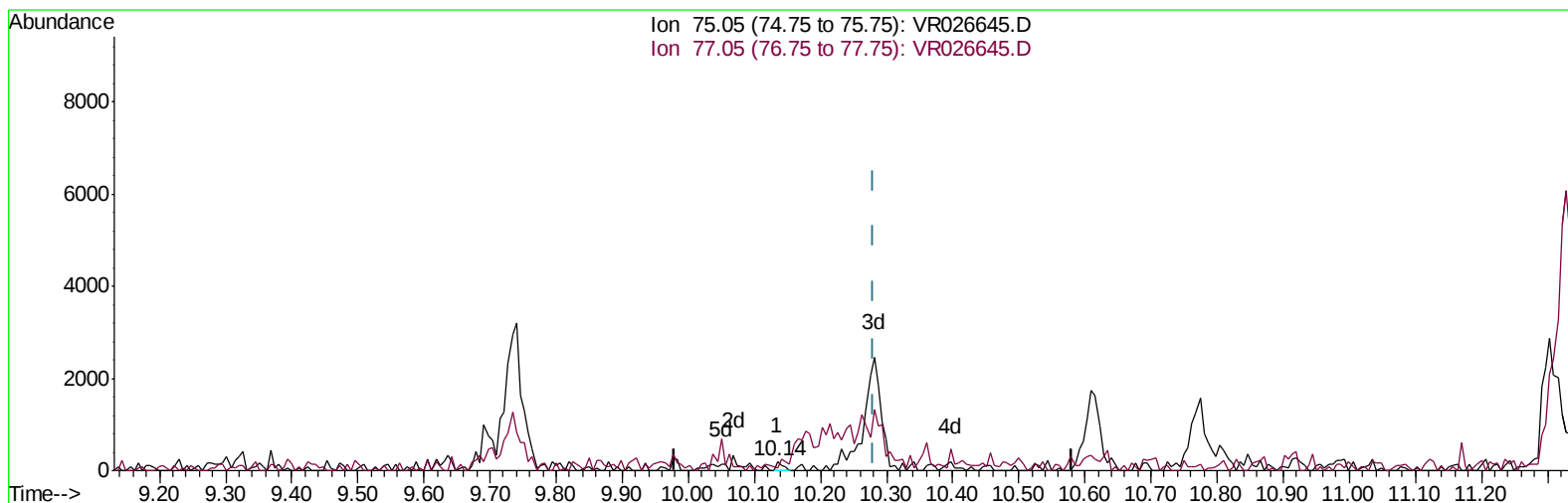
Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(44) trans-1,3-Dichloropropene (T)

10.135min (-0.146) 0.01ug/L

response 145

Ion	Exp%	Act%
75.05	100	100
77.05	33.00	26.92
0.00	0.00	0.00
0.00	0.00	0.00

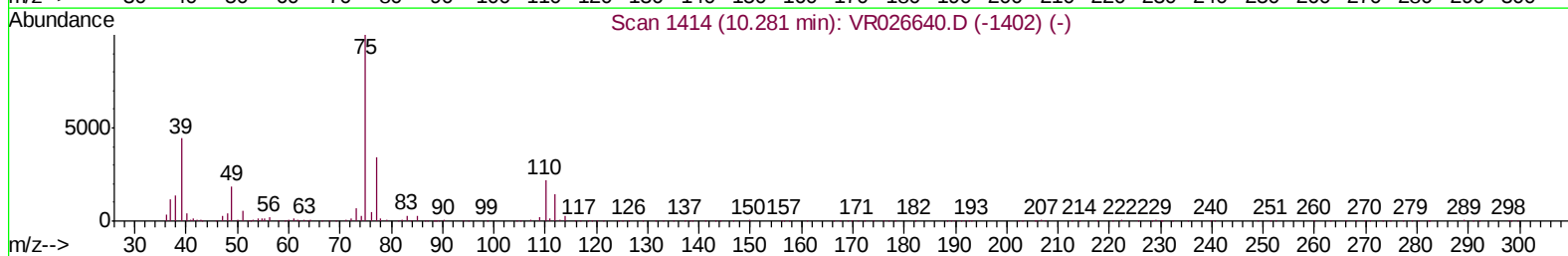
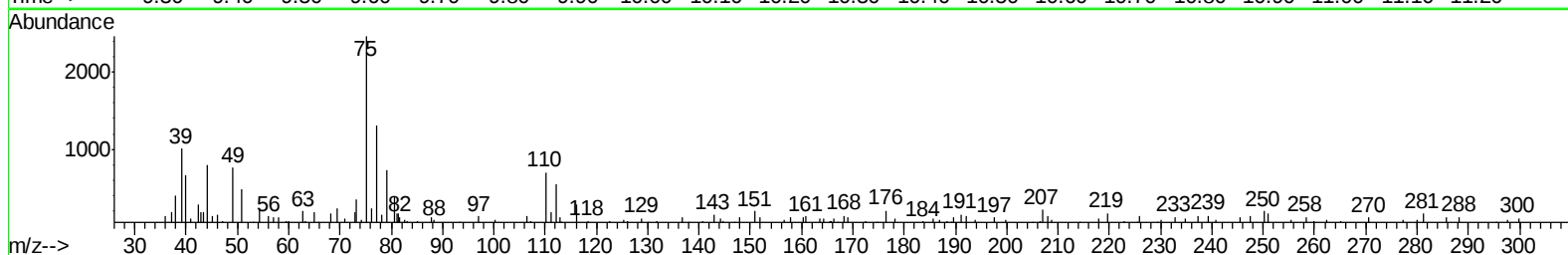
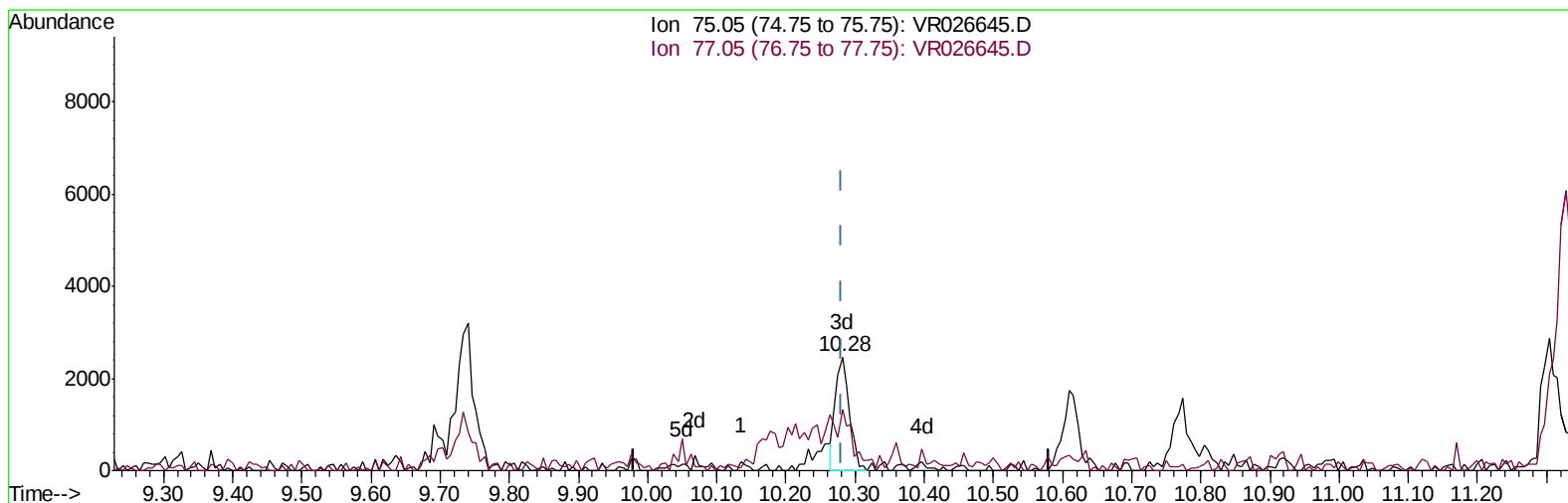
Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration



TIC: VR026645.D

(44) trans-1,3-Dichloropropene (T)

10.281min (+0.000) 0.23ug/L m

response 3511

Ion	Exp%	Act%
75.05	100	100
77.05	33.00	53.31#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

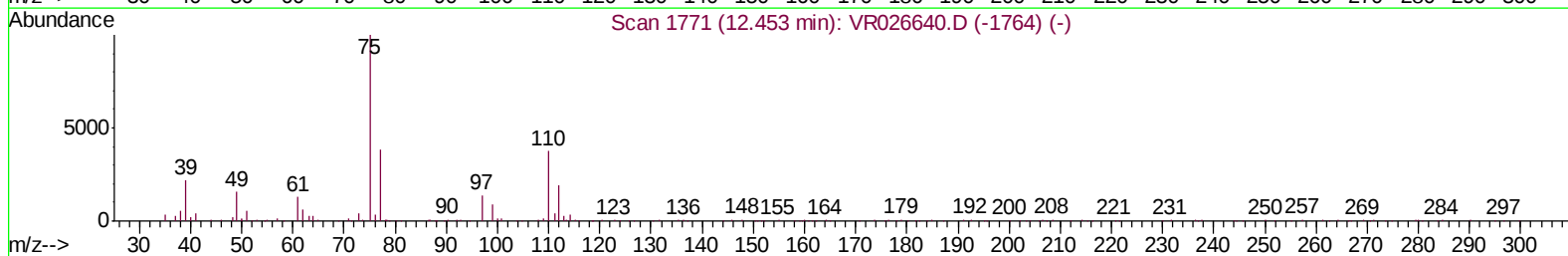
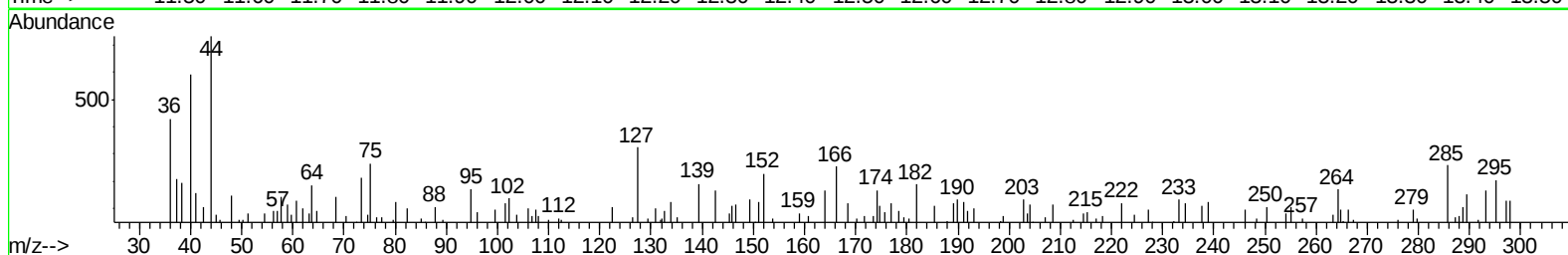
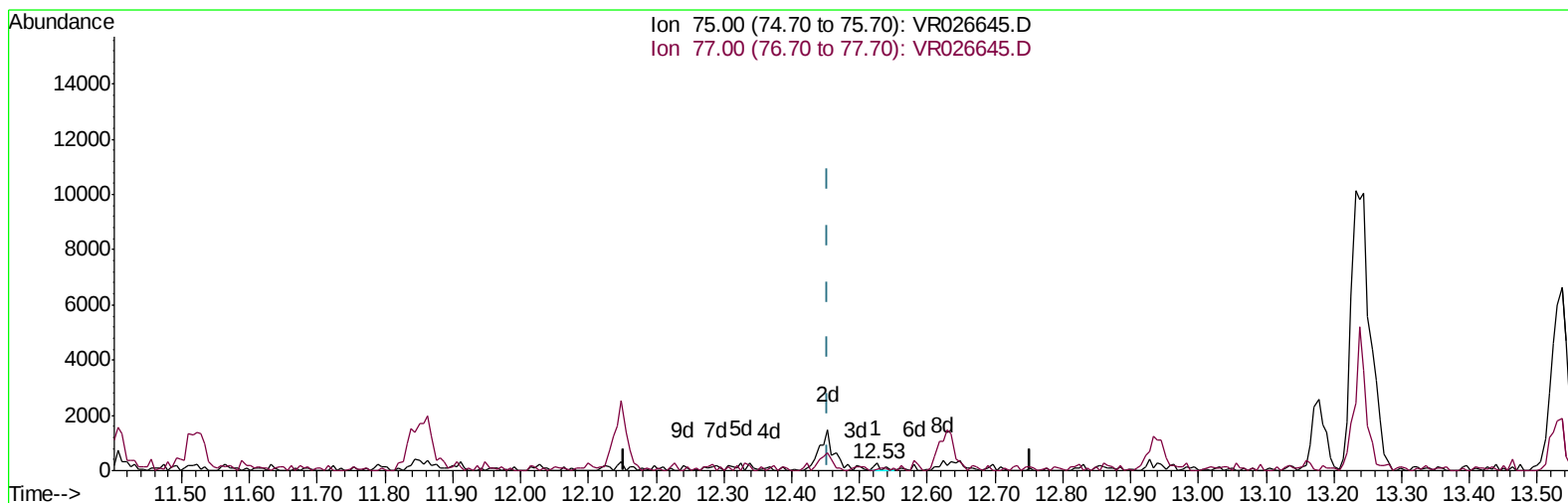
Quant Time: Sep 18 07:14:10 2019

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Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(59) 1,2,3-Trichloropropane

12.526min (+0.073) 0.03ug/L

response 210

Ion	Exp%	Act%
75.00	100	100
77.00	32.20	37.14
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

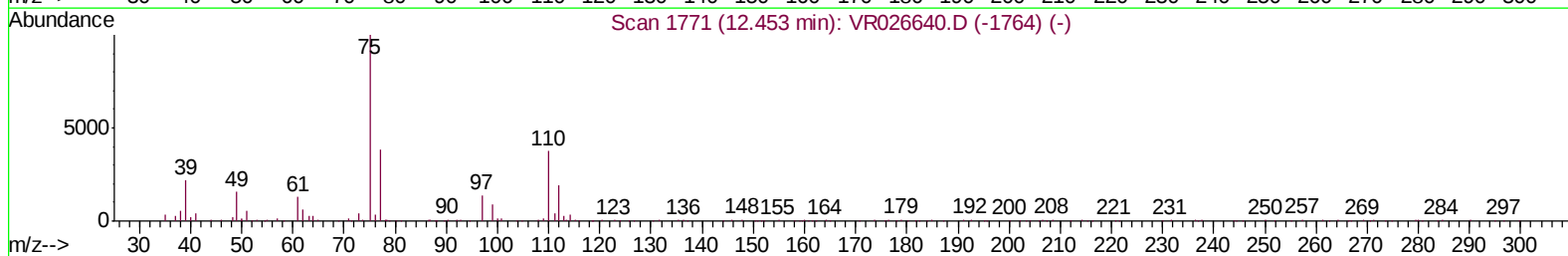
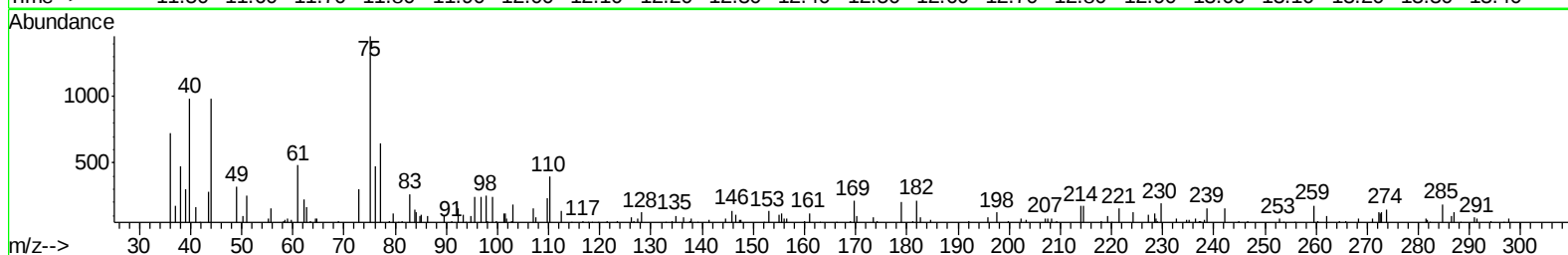
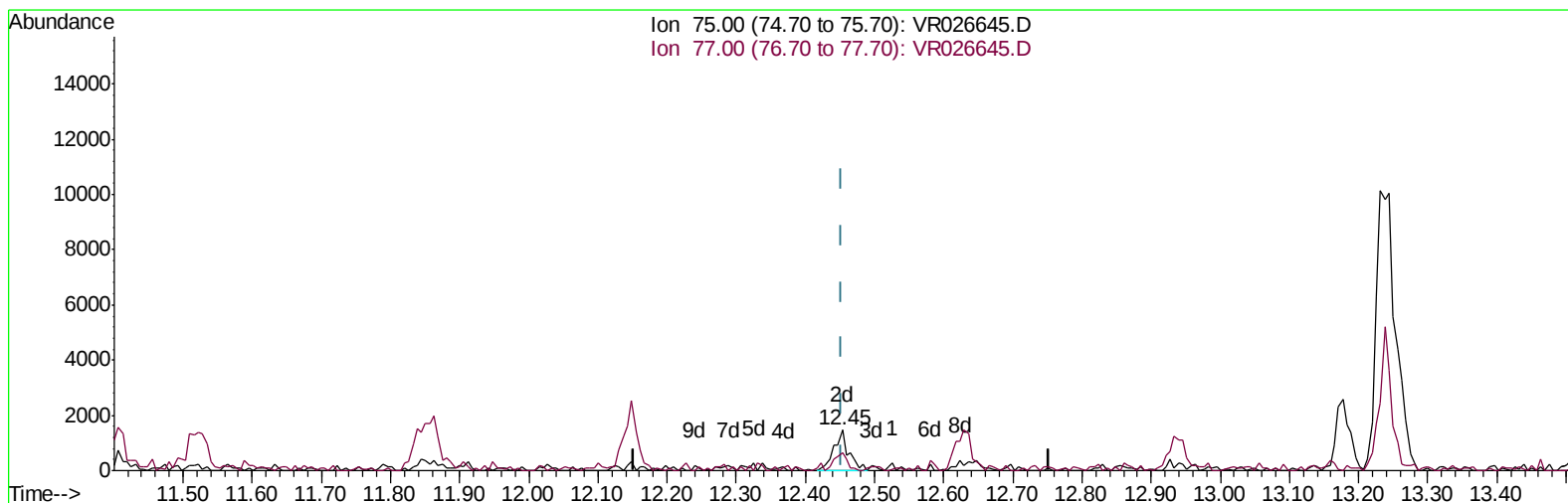
Quant Time: Sep 18 07:14:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(59) 1,2,3-Trichloropropane

12.453min (+0.000) 0.26ug/L m

response 2181

Ion	Exp%	Act%
75.00	100	100
77.00	32.20	3.58#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

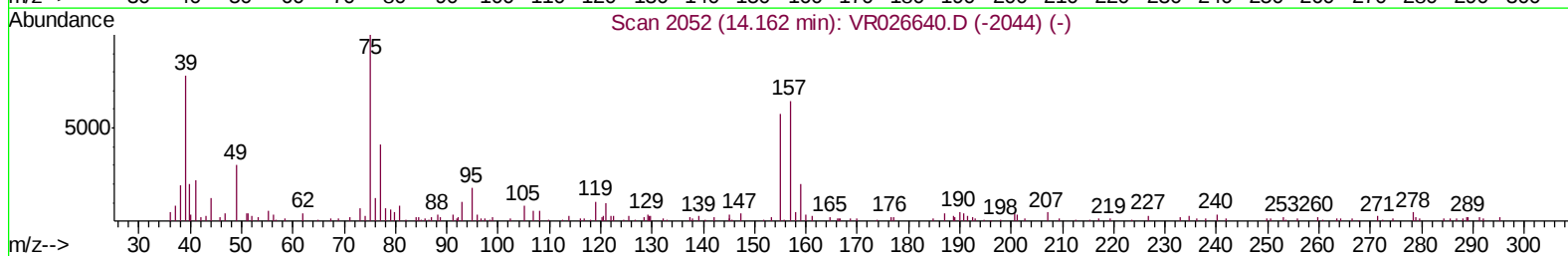
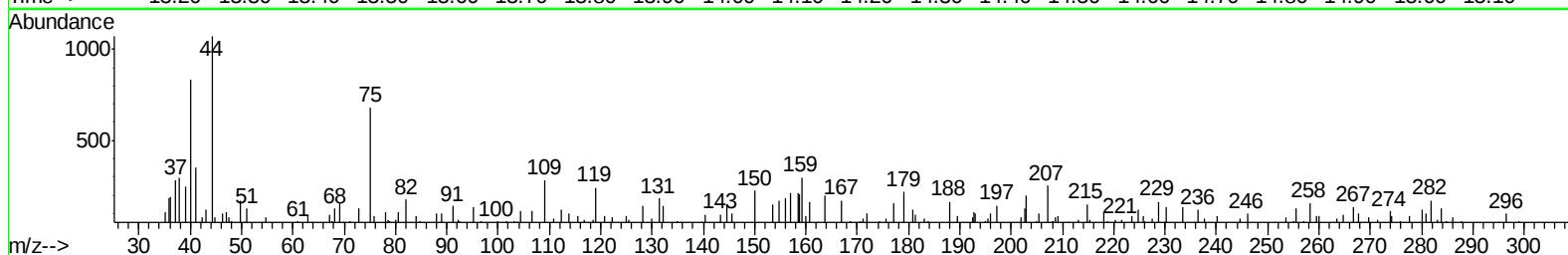
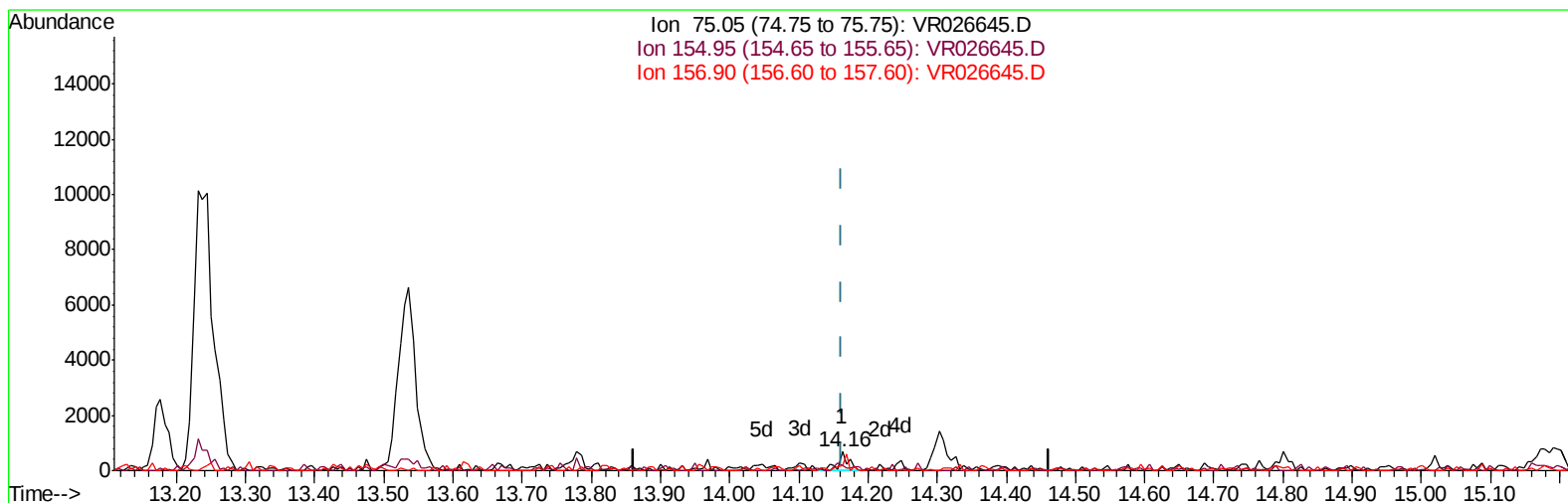
Quant Time: Sep 18 07:14:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.162min (+0.000) 0.46ug/L

response 755

Ion	Exp%	Act%
75.05	100	100
154.95	61.80	24.89#
156.90	81.50	30.45#
0.00	0.00	0.00

Data File : VR026645.D

Acq On : 17 Sep 2019 18:14

Operator : SY/MD

Sample : MDL05

Misc : 25mL/MSVOA_R/WATER

ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

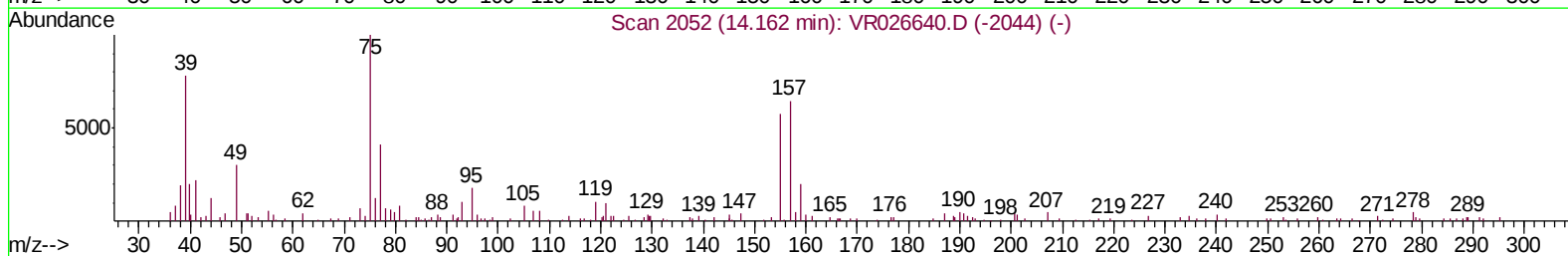
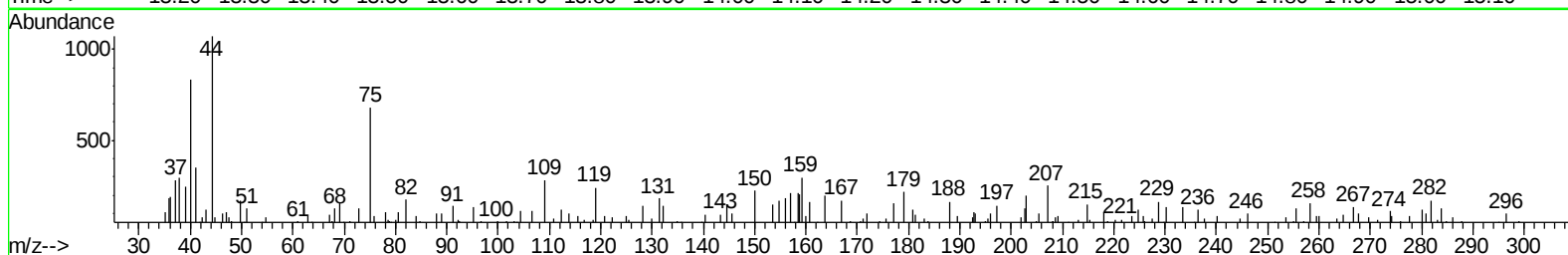
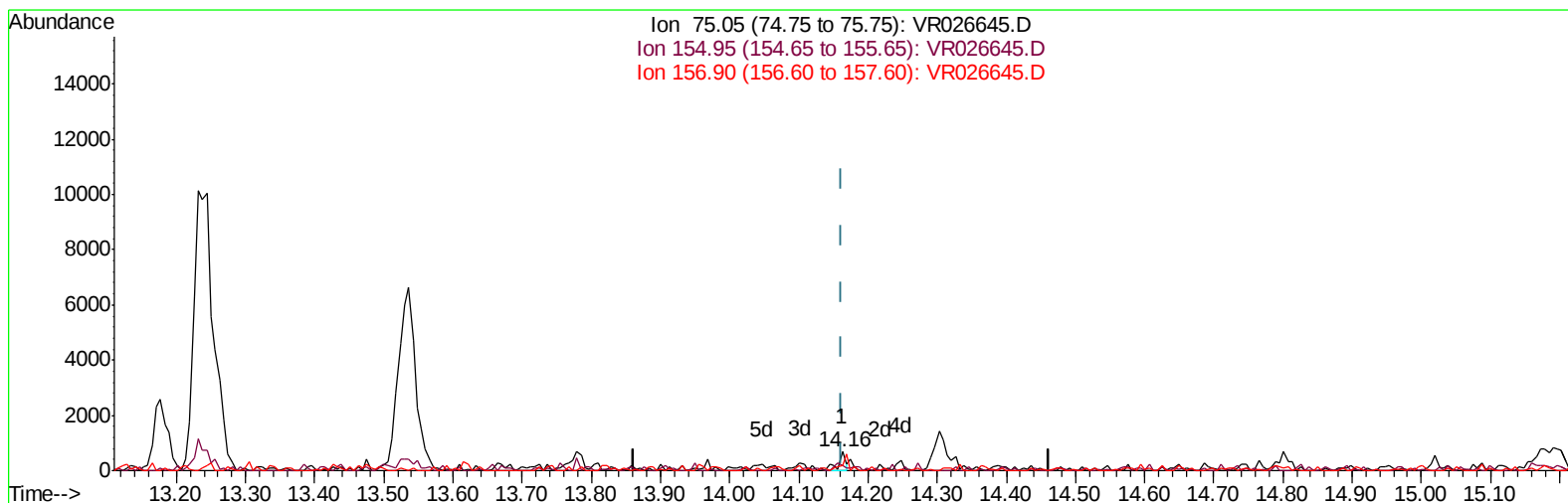
Quant Time: Sep 18 07:14:10 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Sep 18 07:10:19 2019

Response via : Initial Calibration



TIC: VR026645.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.162min (+0.000) 0.31ug/L m

response 516

Ion	Exp%	Act%
75.05	100	100
154.95	61.80	24.89#
156.90	81.50	30.45#
0.00	0.00	0.00

Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:33:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	305011	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	254953	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	109857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	47174	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	2.63	69	45568	6.15	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.00%
11) 1,1-Dichloroethene-d2	3.63	63	89590	3.87	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	6.61	46	82912	45.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.22%
24) Chloroform-d	7.23	84	168197	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	7.91	65	59101	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	7.88	84	314340	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	8.92	67	82087	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	9.99	98	222095	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.25	79	17960	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	10.61	63	56707	49.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.16%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	43167	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	13.53	152	64322	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	10596	0.307	ug/L #	86
3) Chloromethane	2.06	50	4914m	0.273	ug/L	
5) Vinyl chloride	2.19	62	4520m	0.251	ug/L	
6) Bromomethane	2.54	94	3353	0.296	ug/L	75
8) Chloroethane	2.67	64	2917m	0.280	ug/L	
9) Trichlorofluoromethane	2.97	101	11064m	0.355	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	4867m	0.356	ug/L	
12) 1,1-Dichloroethene	3.63	96	4624m	0.344	ug/L	
13) Acetone	3.73	43	4442	3.250	ug/L	92
14) Carbon disulfide	3.97	76	13027	0.226	ug/L	99
15) Methyl Acetate	4.22	43	1584m	0.276	ug/L	
16) Methylene chloride	4.43	84	10828m	0.387	ug/L	
17) Methyl tert-butyl Ether	4.93	73	5747m	0.198	ug/L	
18) trans-1,2-Dichloroethene	4.90	96	8125m	0.289	ug/L	
19) 1,1-Dichloroethane	5.73	63	14308	0.271	ug/L #	77
21) 2-Butanone	6.71	43	6543m	2.620	ug/L	
22) cis-1,2-Dichloroethene	6.70	96	6812	0.253	ug/L #	84

Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations
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MMDadoda
9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:33:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.09	128	2672	0.357	ug/L #	55
25) Chloroform	7.25	83	17939	0.355	ug/L	84
27) 1,2-Dichloroethane	8.01	62	6210	0.349	ug/L #	85
29) 1,1,1-Trichloroethane	7.45	97	11188	0.273	ug/L	93
30) Cyclohexane	7.54	56	7480	0.171	ug/L	95
31) Carbon tetrachloride	7.65	117	8765	0.252	ug/L	100
33) Benzene	7.93	78	28791m	0.255	ug/L	
34) Trichloroethene	8.73	95	7010	0.249	ug/L	89
35) Methylcyclohexane	8.98	83	9033	0.213	ug/L	94
37) 1,2-Dichloropropane	9.01	63	5669	0.248	ug/L #	78
38) Bromodichloromethane	9.30	83	7235	0.298	ug/L #	90
39) cis-1,3-Dichloropropene	9.74	75	5582	0.231	ug/L	90
40) 4-Methyl-2-pentanone	9.88	43	9720	1.700	ug/L #	89
42) Toluene	10.05	91	26983	0.273	ug/L	98
44) trans-1,3-Dichloropropene	10.28	75	3511m	0.226	ug/L	
45) 1,1,2-Trichloroethane	10.46	97	2583	0.266	ug/L #	77
47) Tetrachloroethene	10.53	164	5454	0.328	ug/L	91
48) 2-Hexanone	10.65	43	10362	2.851	ug/L #	95
49) Dibromochloromethane	10.80	129	3054	0.288	ug/L	77
50) 1,2-Dibromoethane	10.90	107	2531	0.300	ug/L #	89
51) Chlorobenzene	11.33	112	16269	0.284	ug/L	89
52) Ethylbenzene	11.41	91	23164	0.207	ug/L	94
53) m,p-Xylene	11.52	106	7486	0.187	ug/L	91
54) o-Xylene	11.84	106	7555	0.191	ug/L	87
55) Styrene	11.86	104	9011	0.159	ug/L #	77
56) Isopropylbenzene	12.15	105	20736	0.186	ug/L	94
58) 1,1,2,2-Tetrachloroethane	12.40	83	3691	0.327	ug/L #	57
59) 1,2,3-Trichloropropane	12.45	75	2181m	0.264	ug/L	
61) Bromoform	12.02	173	1594	0.371	ug/L #	93
62) 1,3-Dichlorobenzene	13.18	146	10250	0.262	ug/L	91
63) 1,4-Dichlorobenzene	13.26	146	12014	0.309	ug/L	92
65) 1,2-Dichlorobenzene	13.55	146	9677	0.292	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.16	75	516m	0.313	ug/L	
67) 1,3,5-Trichlorobenzene	14.30	180	8361	0.264	ug/L	97
68) 1,2,4-trichlorobenzene	14.81	180	4656	0.209	ug/L #	91
69) Naphthalene	15.02	128	4250	0.143	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.20	180	4949	0.250	ug/L #	88

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

Data File : VR026645.D

```
Acq On       : 17 Sep 2019   18:14
Operator     : SY/MD
Sample       : MDL05
Misc         : 25mL/MSVOA_R/WATER
ALS Vial     : 9      Sample Multiplier: 1
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Instrument :
MSVOA_R
ClientSampleId :
MDL05

Manual Integrations

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9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:33:44 2019
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