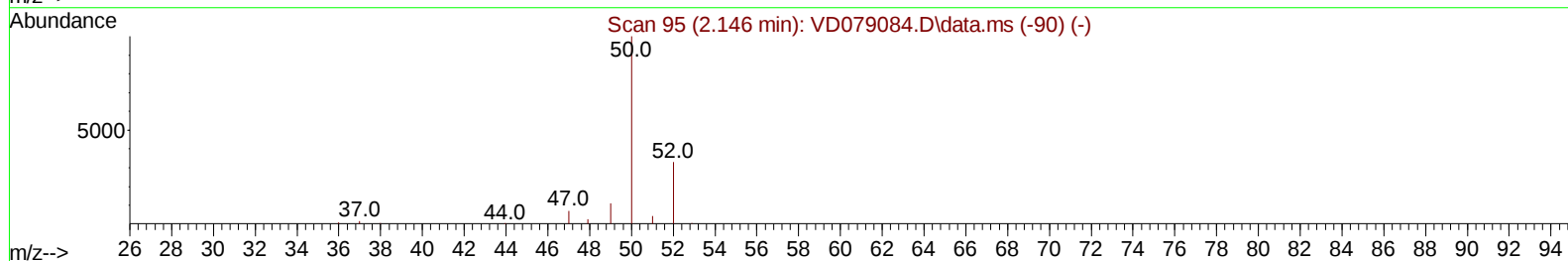
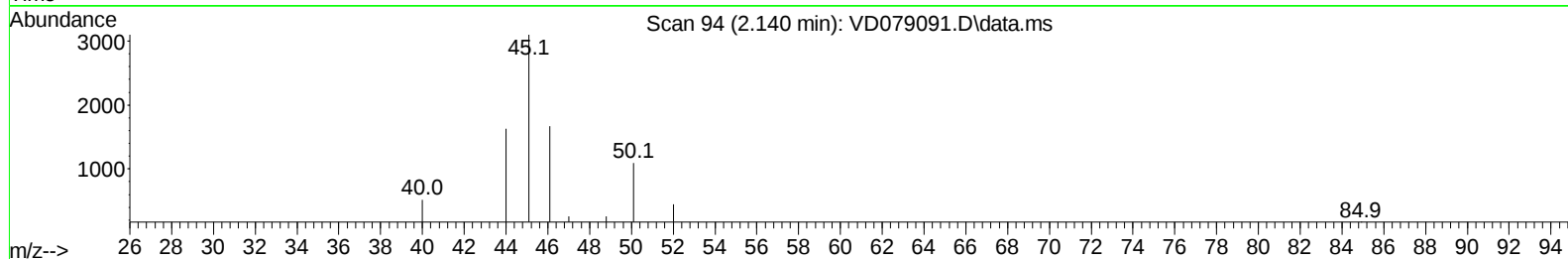
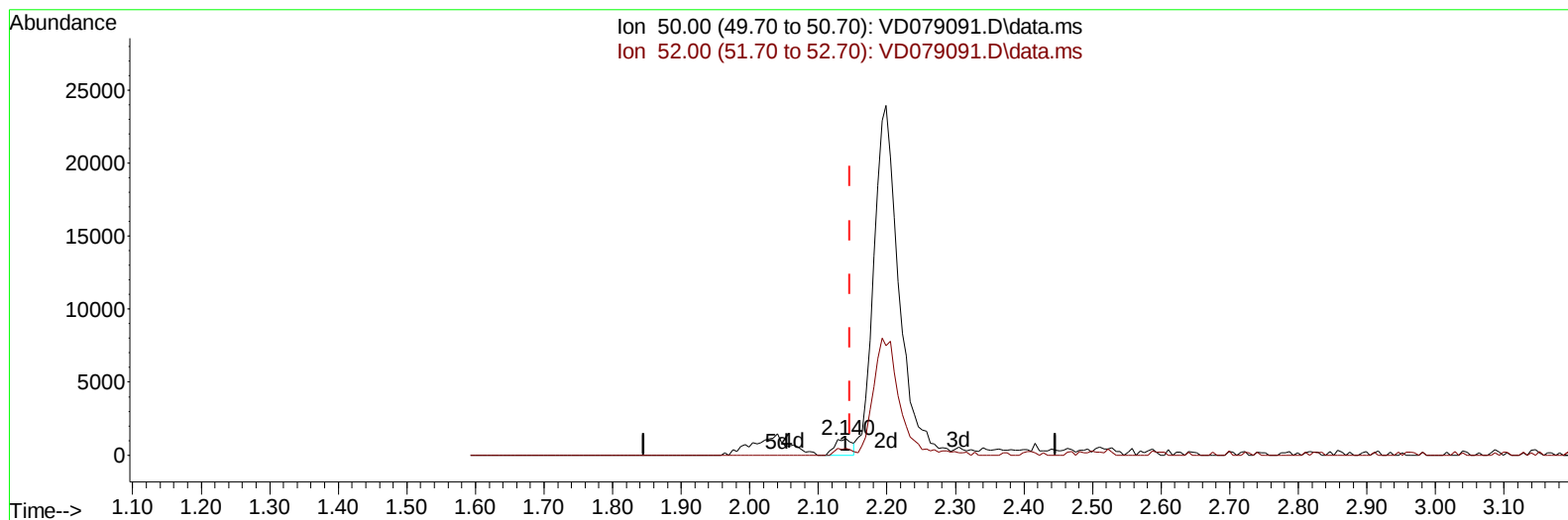


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(3) Chloromethane (T)**

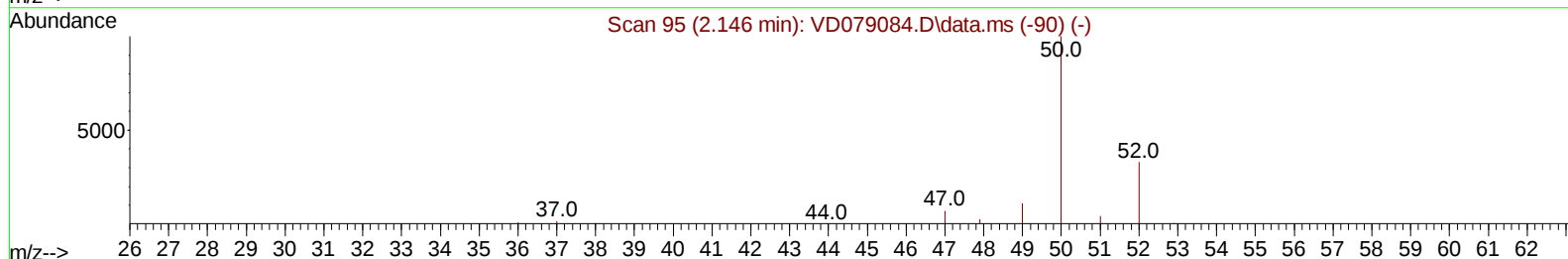
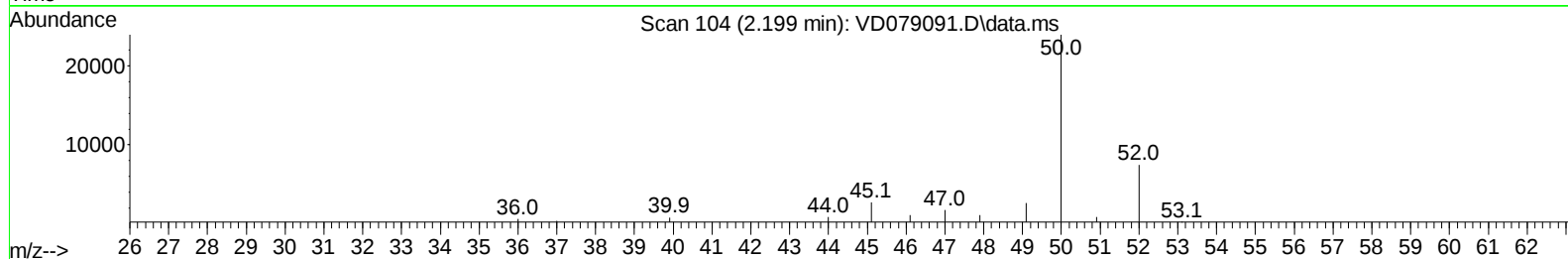
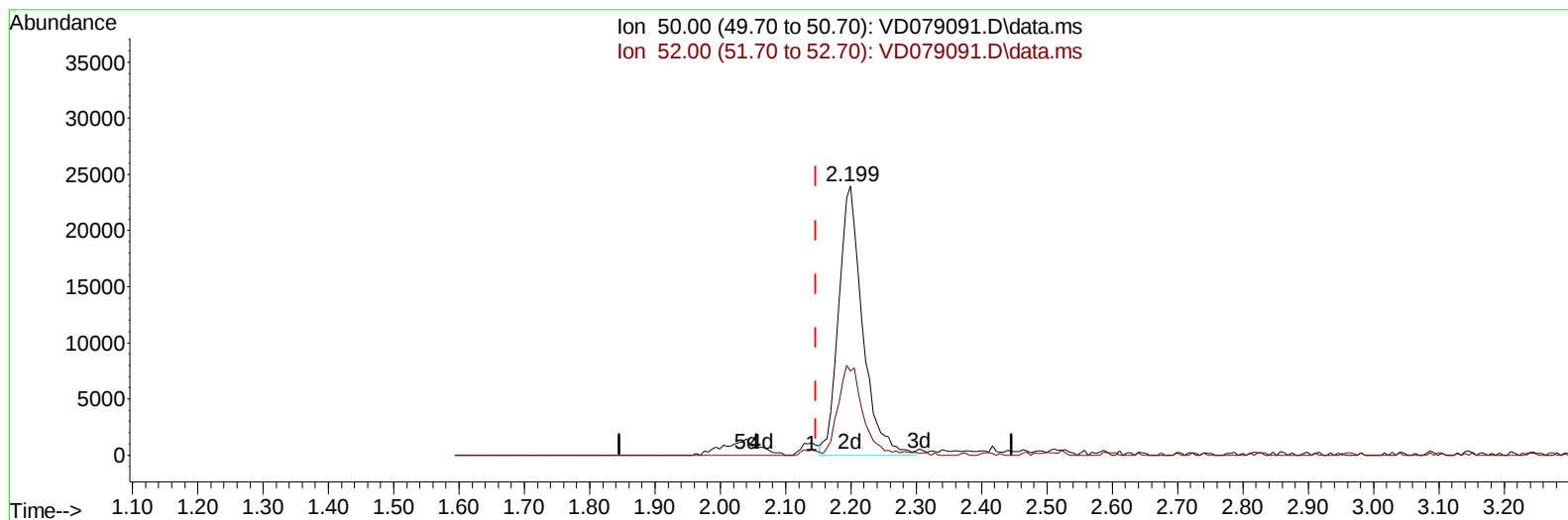
2.140min (-0.006) 0.29 ug/L

response 1990

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 50.00 | 100.00 | 100.00 |
| 52.00 | 34.80  | 40.91  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(3) Chloromethane (T)**

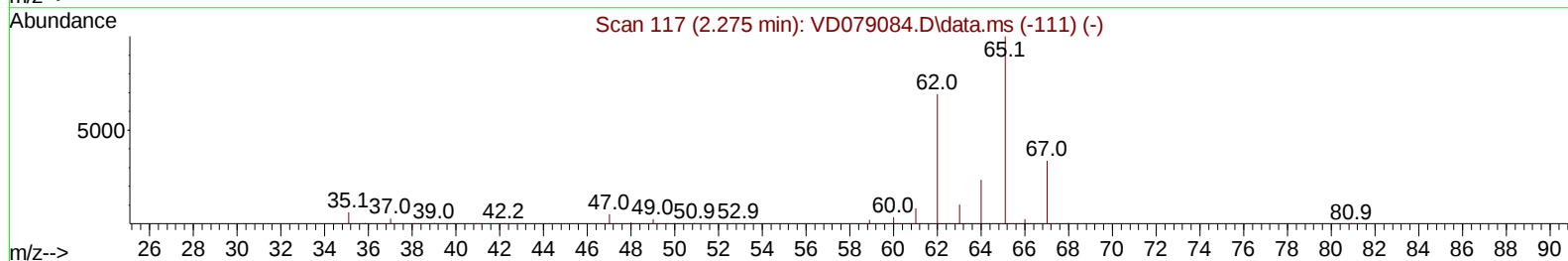
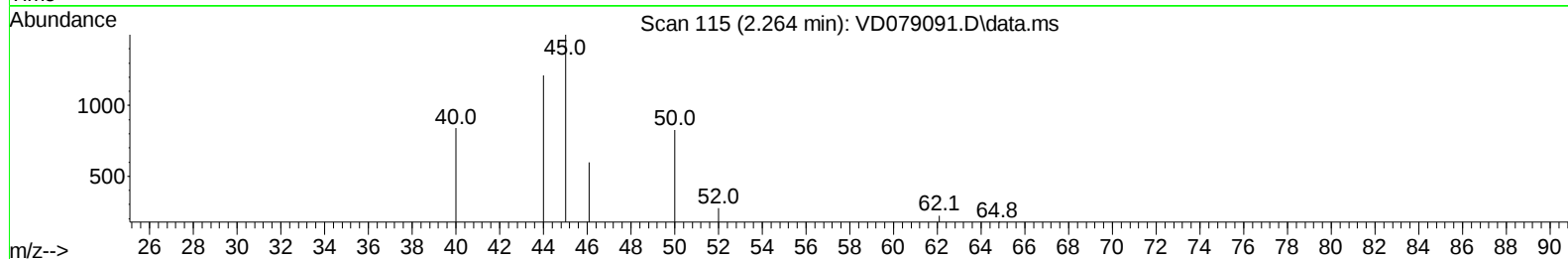
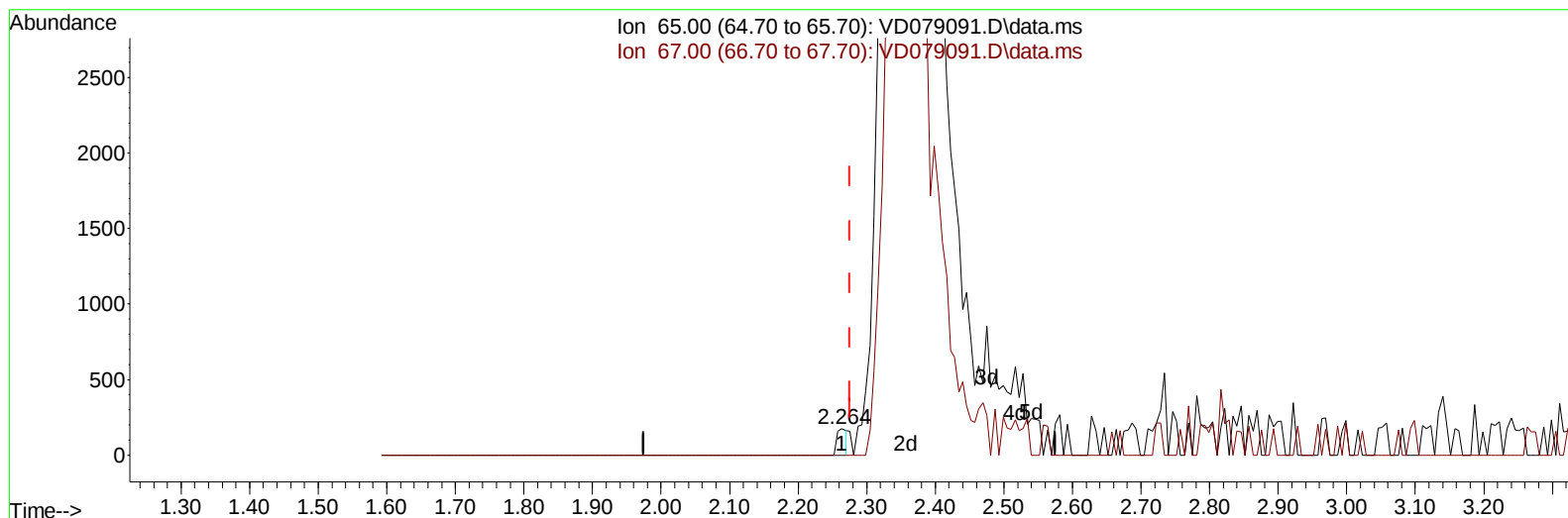
**2.199min (+ 0.053) 8.81 ug/L m**

**response 60841**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 50.00 | 100.00 | 100.00 |
| 52.00 | 34.80  | 31.29  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(4) Vinyl Chloride-d3 (S)**

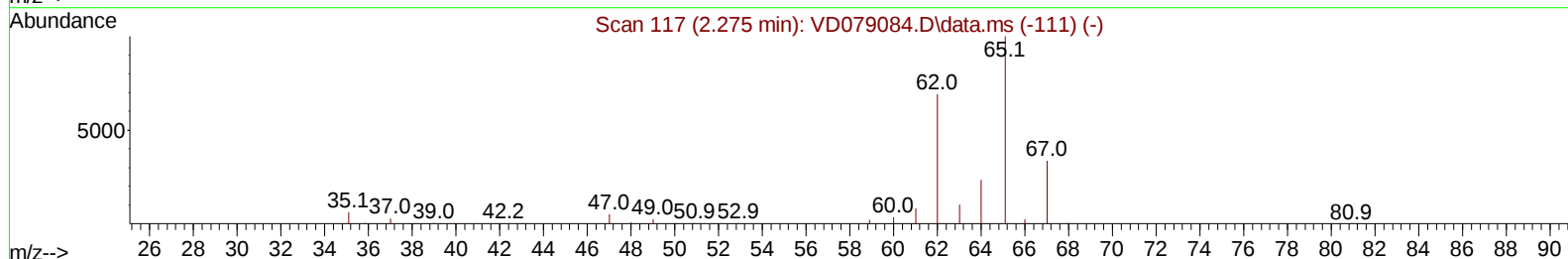
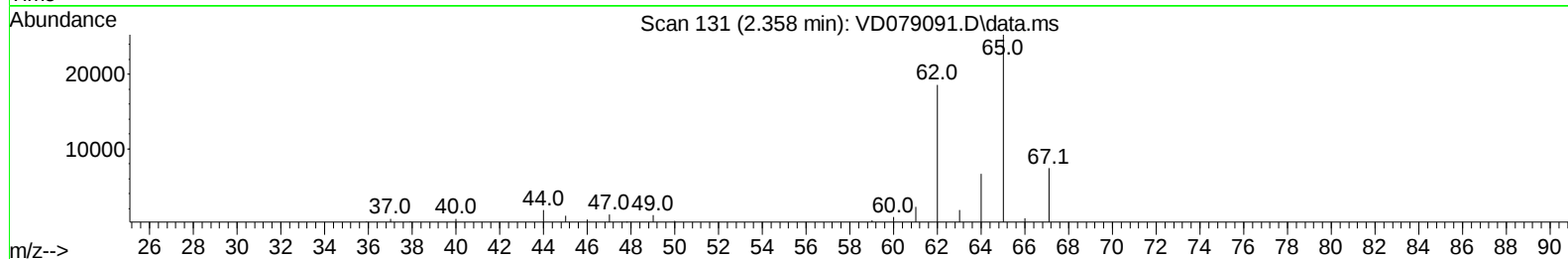
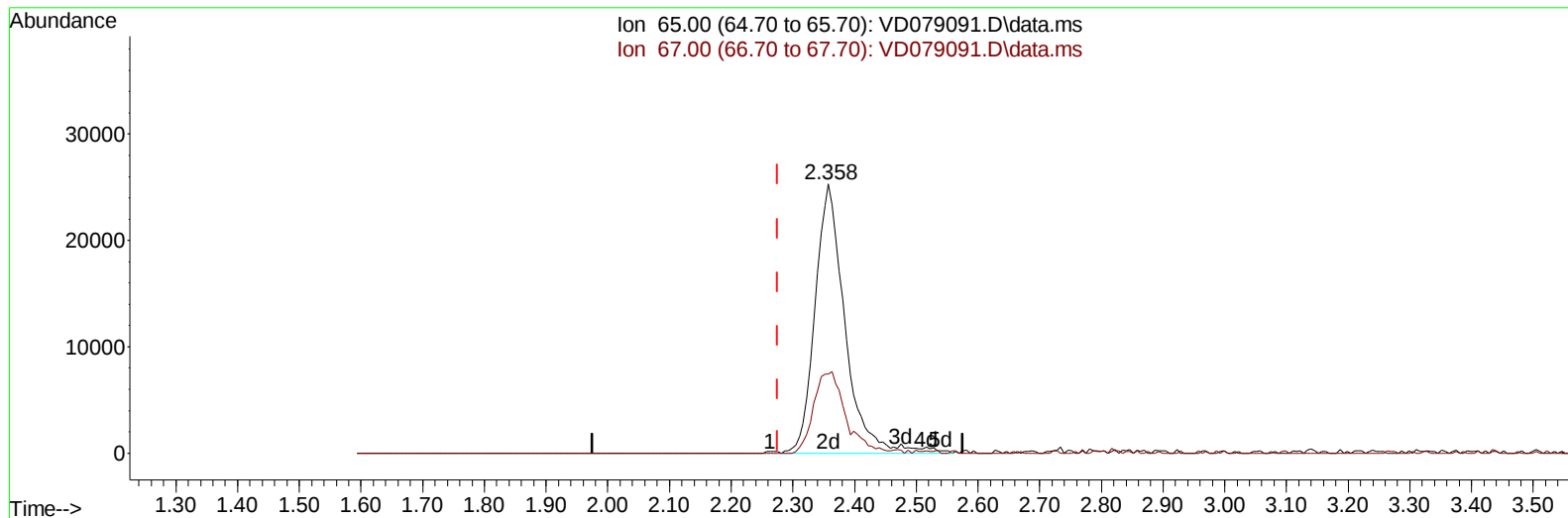
**2.264min (-0.012) 0.02 ug/L**

**response 175**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 32.60  | 0.00#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(4) Vinyl Chloride-d3 (S)**

**2.358min (+ 0.082) 8.48 ug/L m**

**response 85442**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 32.60  | 0.00#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Abundance

Ion 94.00 (93.70 to 94.70): VD079091.D\data.ms  
Ion 96.00 (95.70 to 96.70): VD079091.D\data.ms

2.622

3d

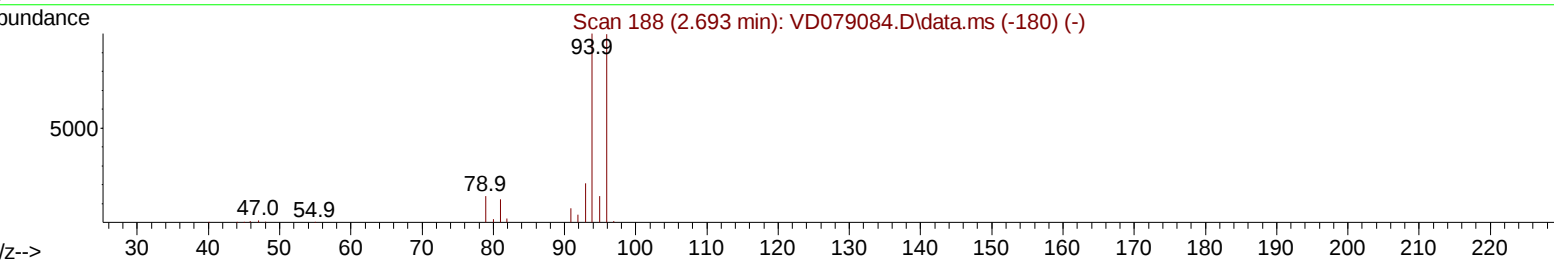
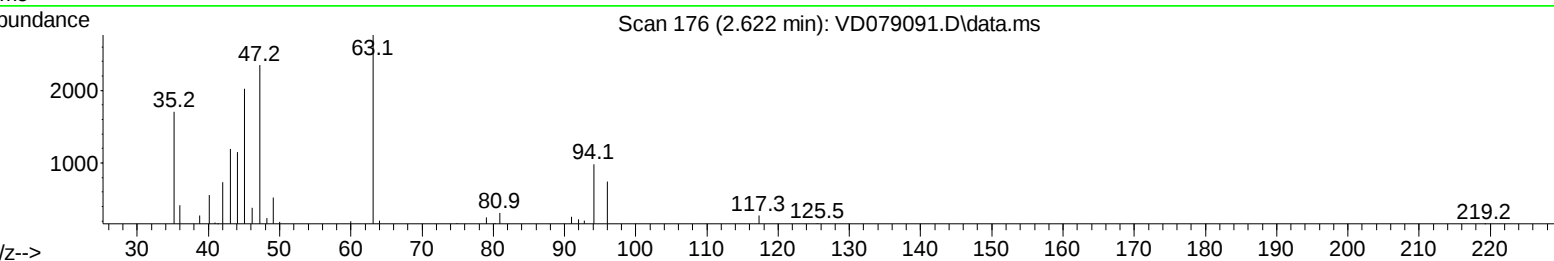
4d

5d

2d

1

me--> 1.60 1.70 1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80 2.90 3.00 3.10 3.20 3.30 3.40 3.50 3.60 3.70



TIC: VD079091.D\data.ms

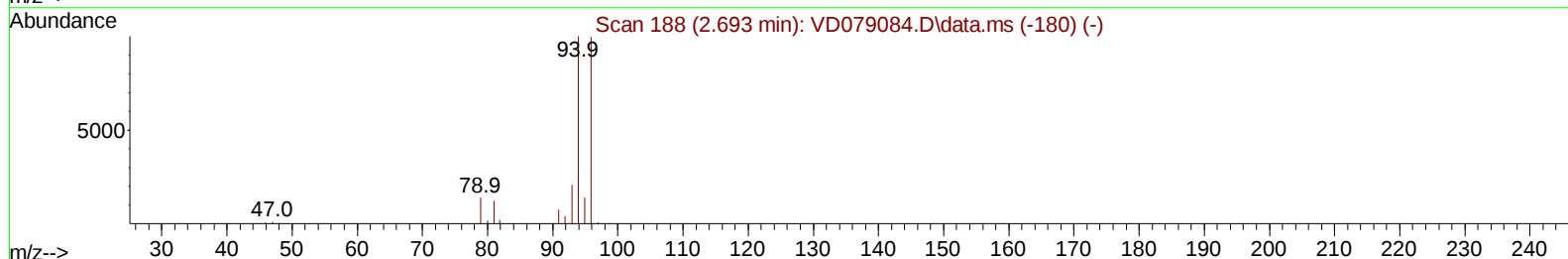
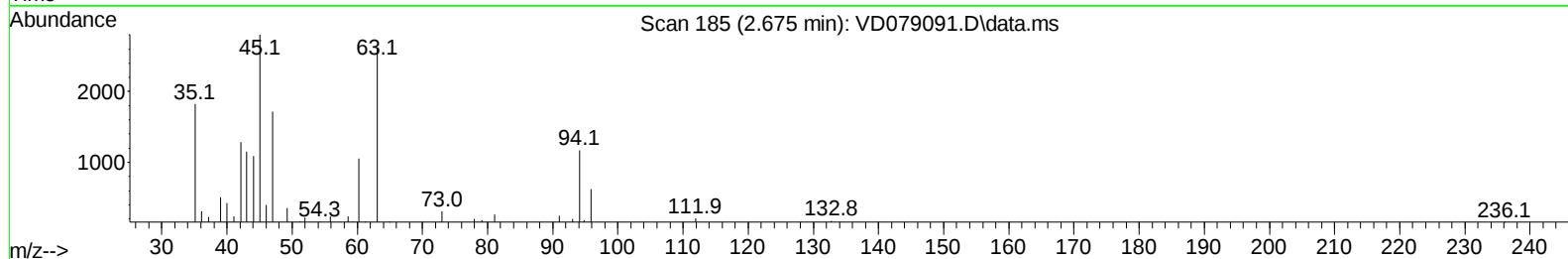
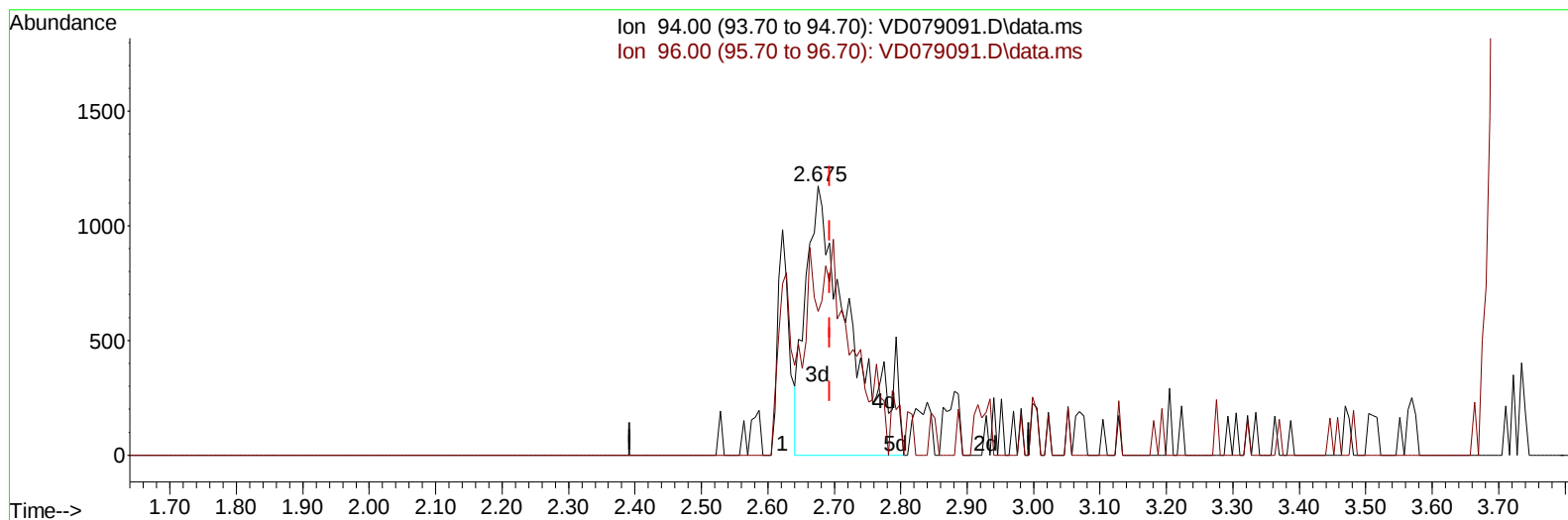
2.622min (-0.071) 0.13 ug/L

|          |      |
|----------|------|
| response | 1184 |
|----------|------|

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 90.90  | 75.99  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(6) Bromomethane (T)**

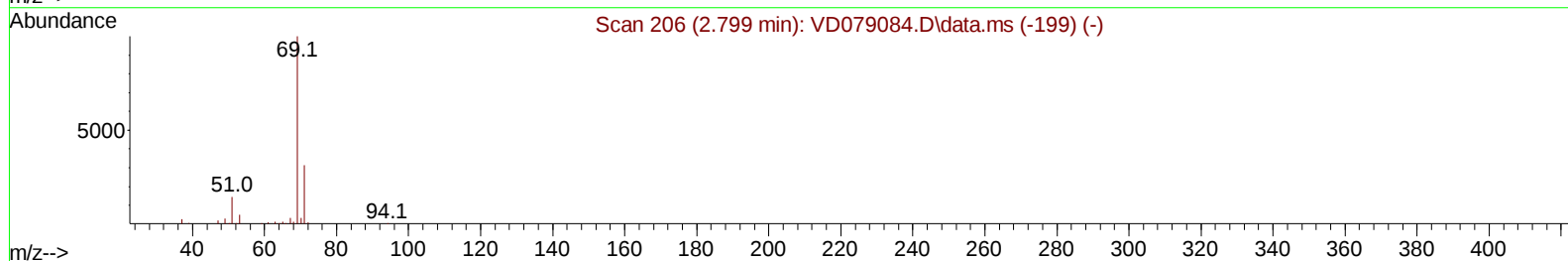
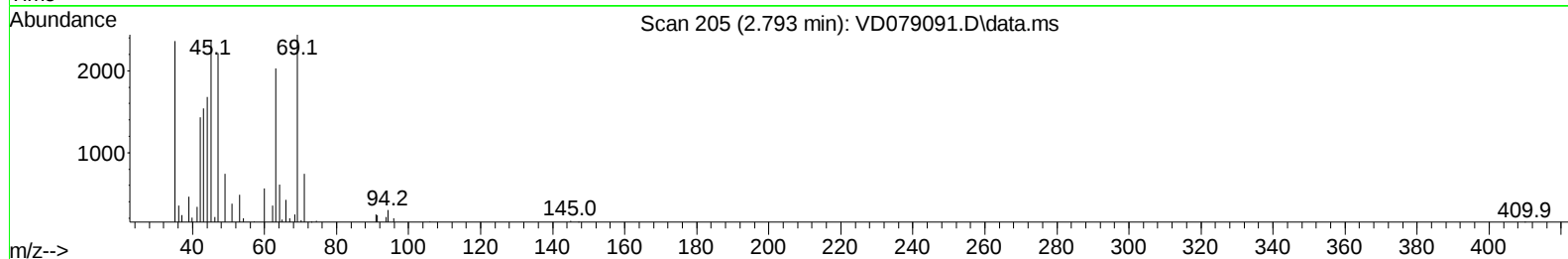
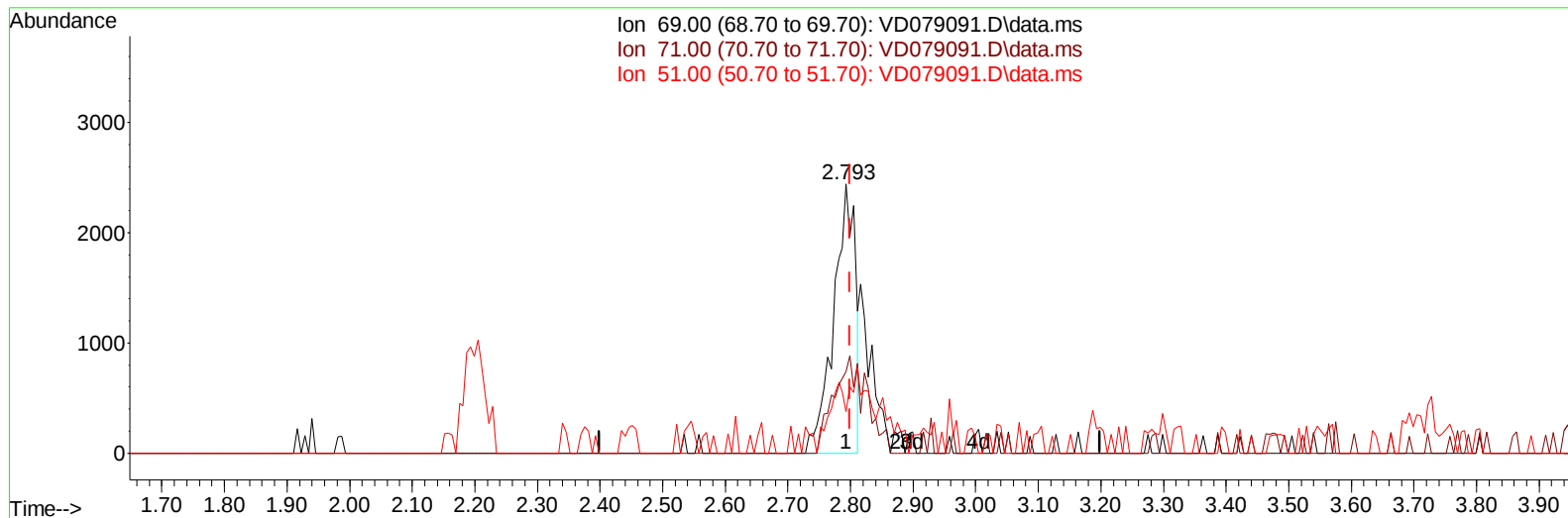
**2.675min (-0.018) 0.62 ug/L m**

**response 5444**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 94.00 | 100.00 | 100.00 |
| 96.00 | 90.90  | 53.45# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



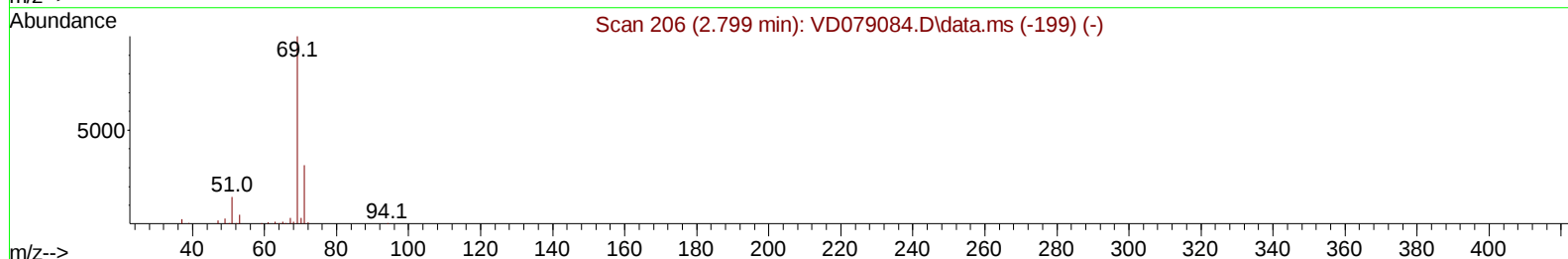
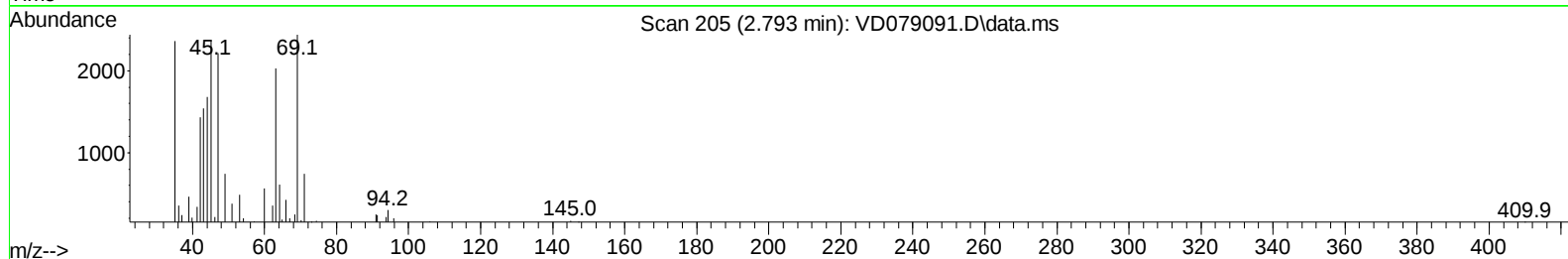
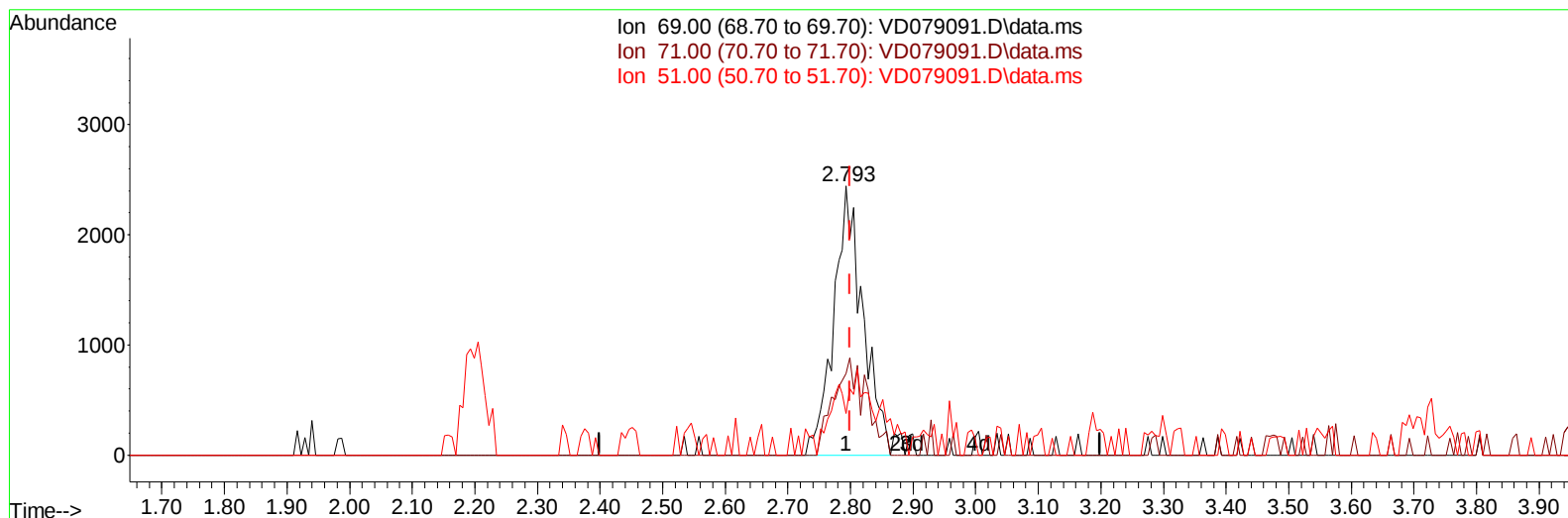
TIC: VD079091.D\data.ms

**(7) Chloroethane-d5 (S)****2.793min (-0.006) 0.59 ug/L****response 5778**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.00 | 100.00 | 100.00 |
| 71.00 | 32.40  | 40.46  |
| 51.00 | 16.60  | 20.11  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(7) Chloroethane-d5 (S)

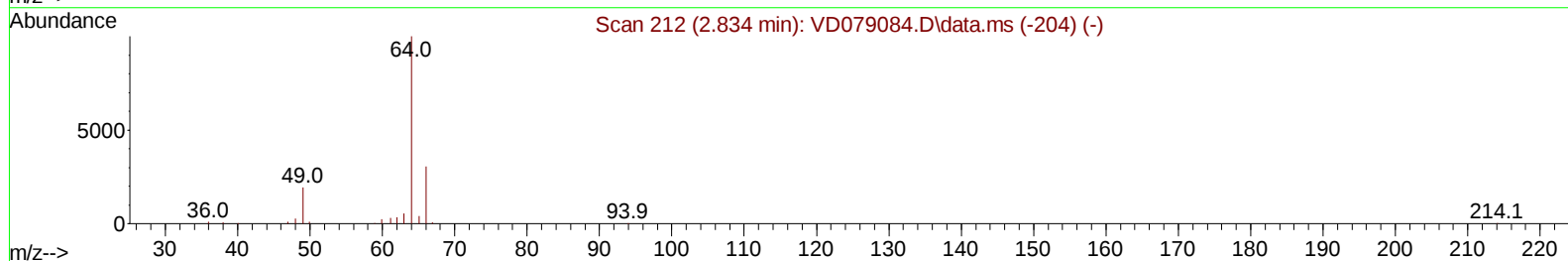
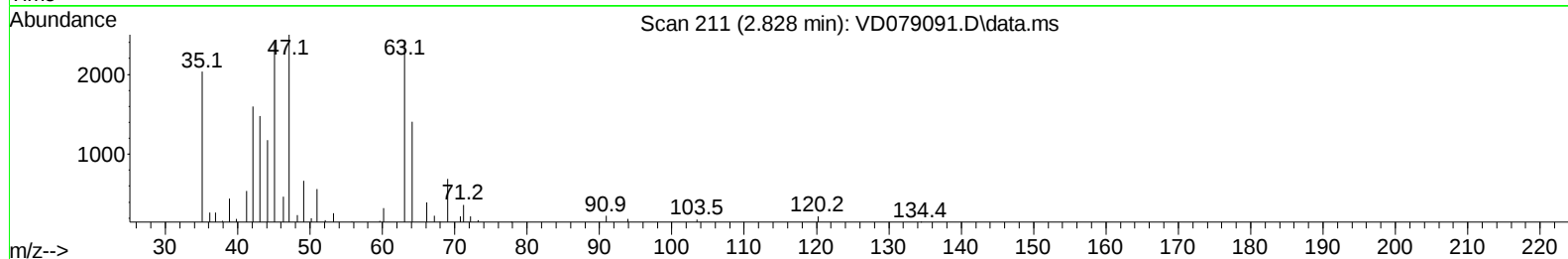
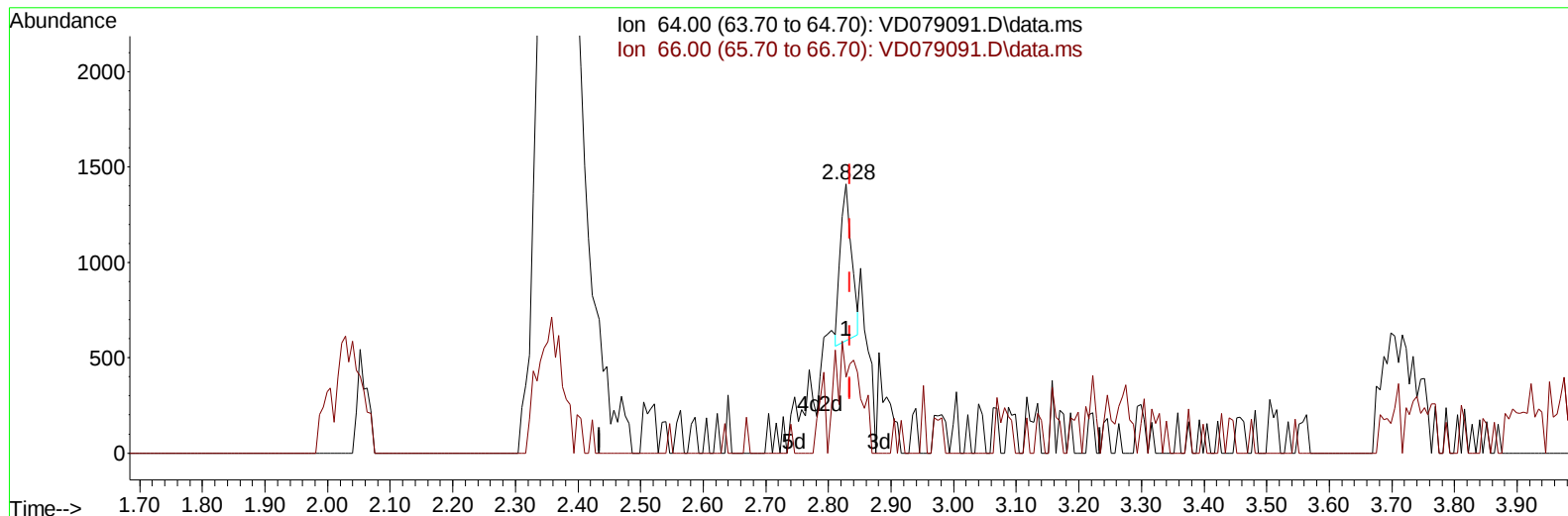
2.793min (-0.006) 0.81 ug/L m

response 7887

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.00 | 100.00 | 100.00 |
| 71.00 | 32.40  | 29.64  |
| 51.00 | 16.60  | 14.73  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(8) Chloroethane (T)**

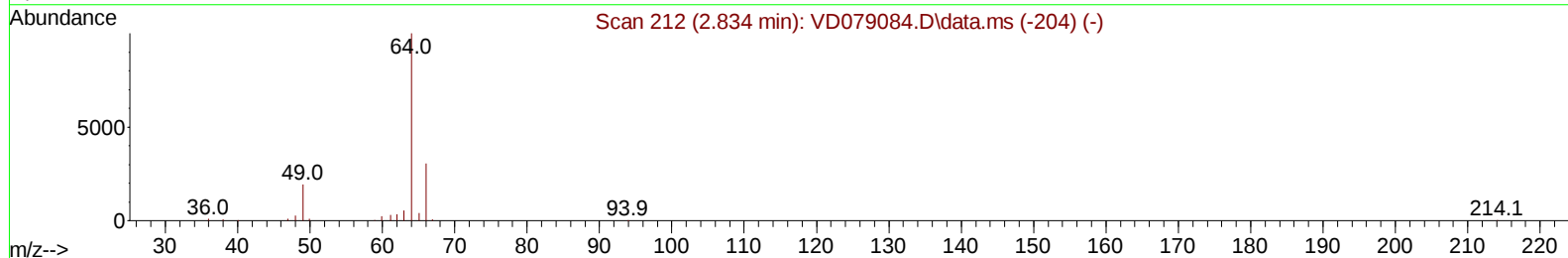
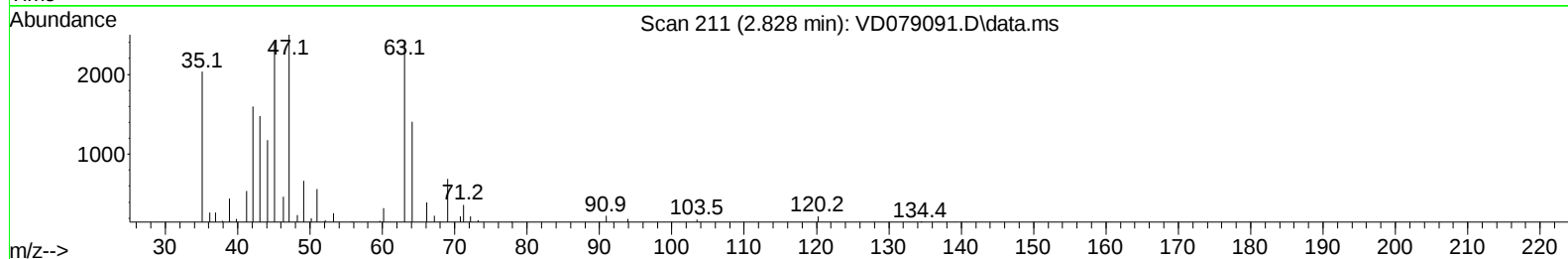
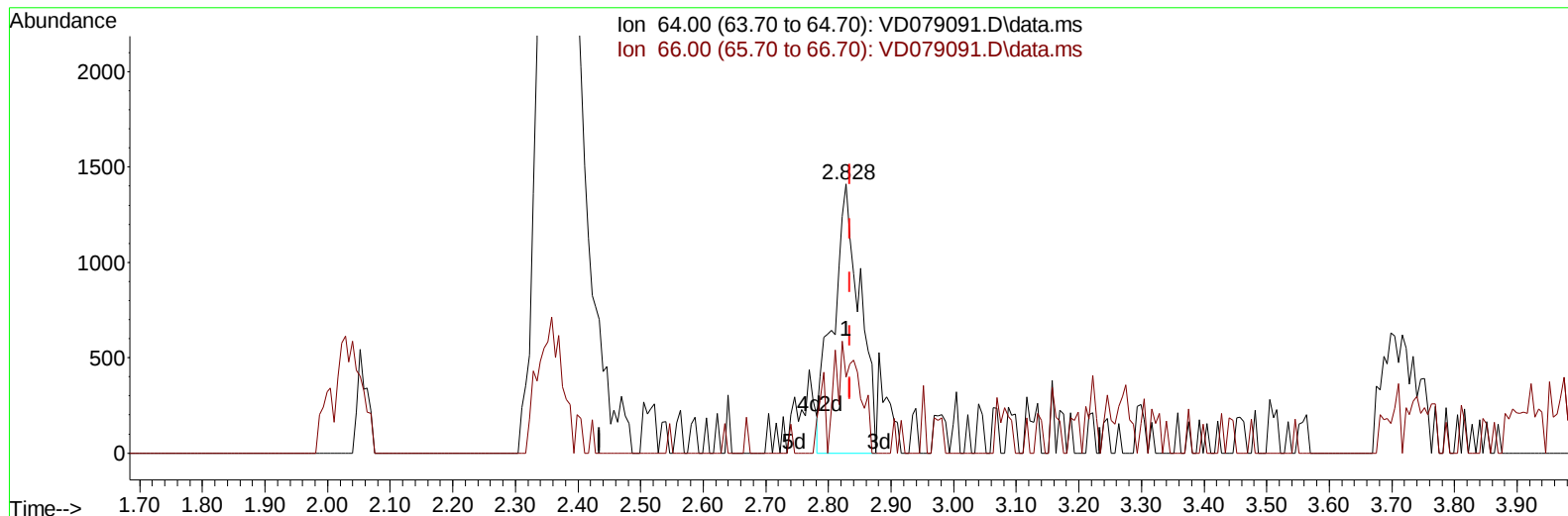
**2.828min (-0.006) 0.12 ug/L**

**response 1020**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 35.50  | 28.30  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(8) Chloroethane (T)

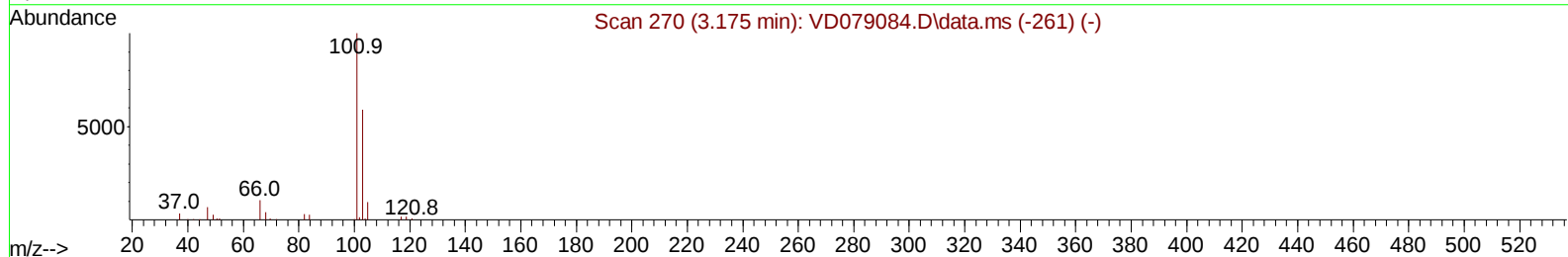
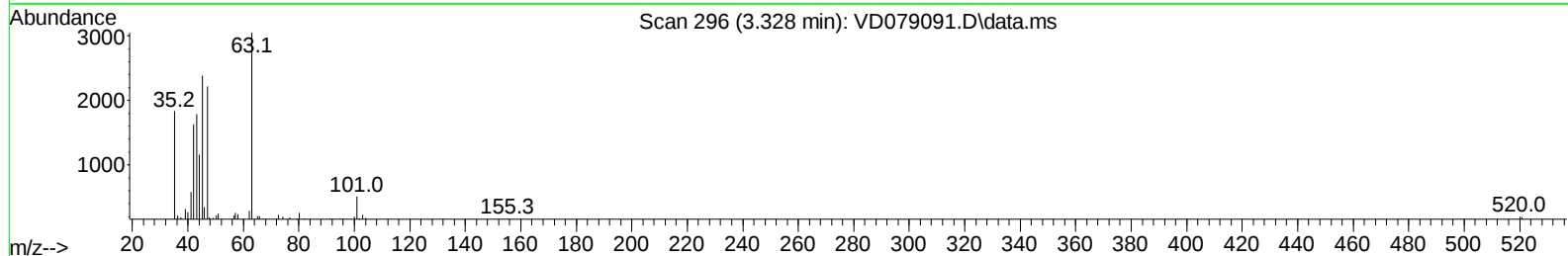
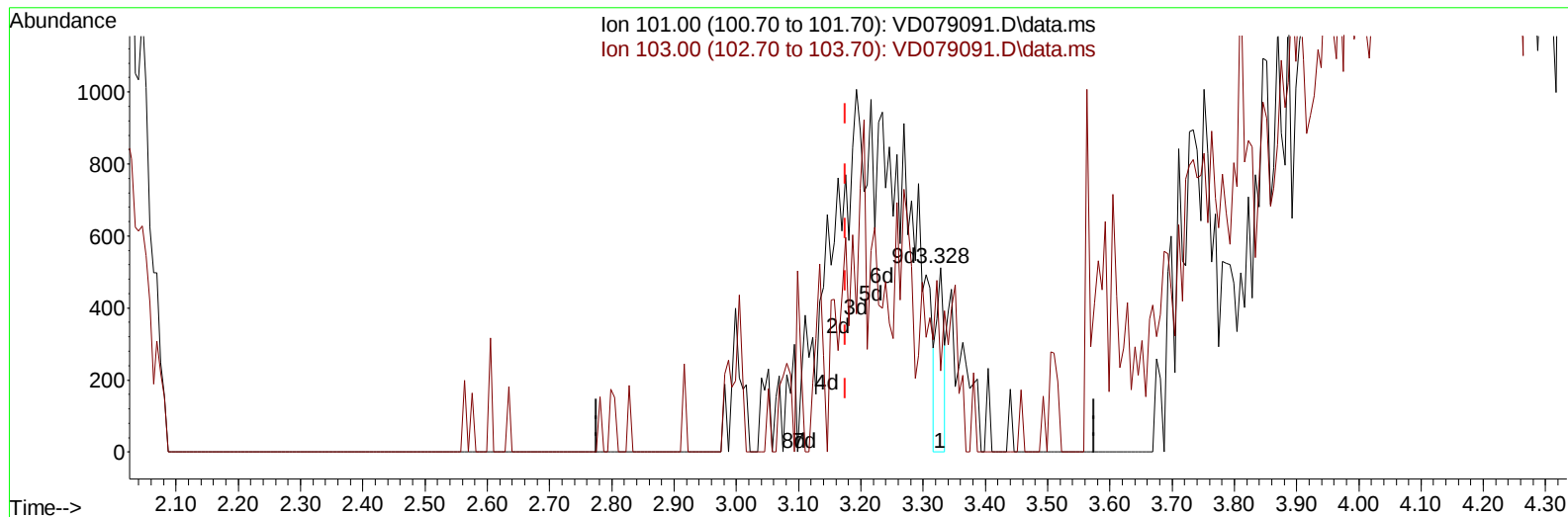
2.828min (-0.006) 0.51 ug/L m

response 4221

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 64.00 | 100.00 | 100.00 |
| 66.00 | 35.50  | 28.30  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(9) Trichlorofluoromethane (T)**

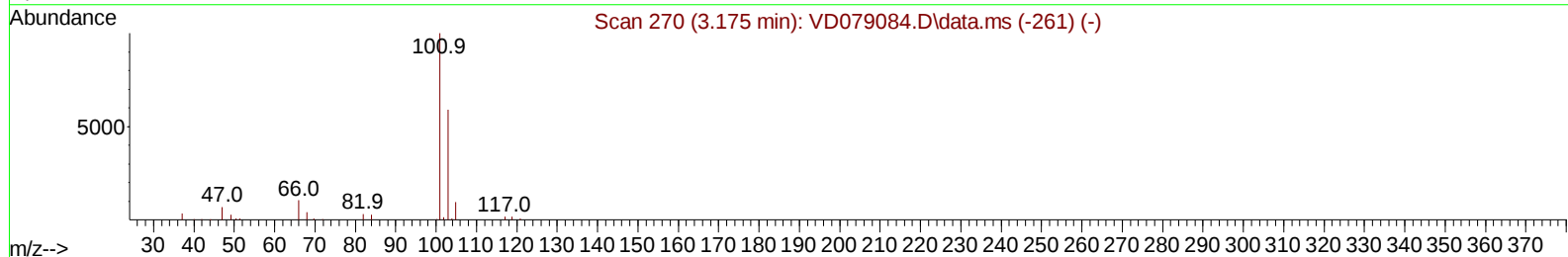
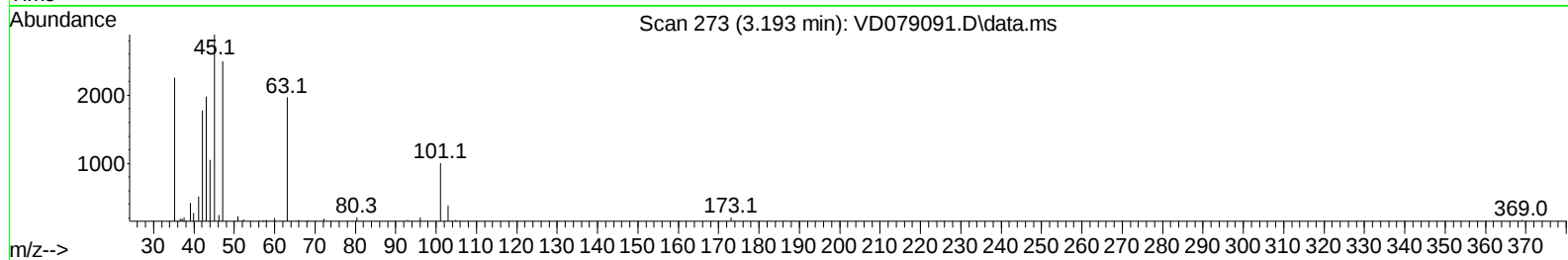
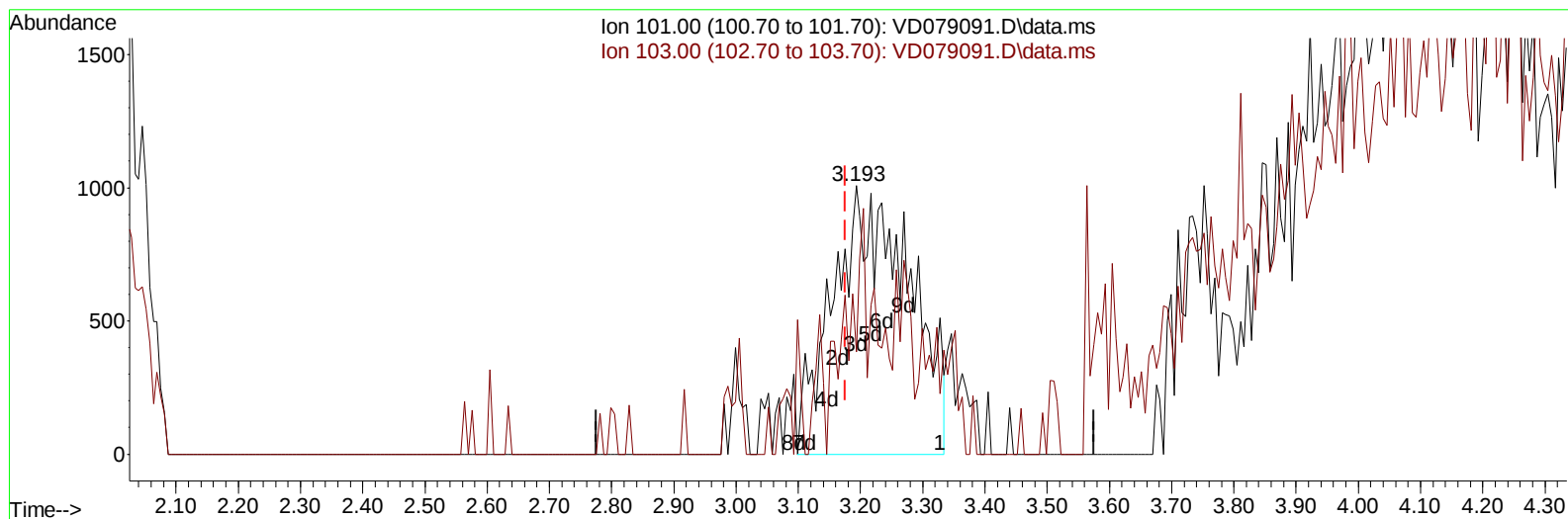
**3.328min (+ 0.153) 0.05 ug/L**

**response 415**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 103.00 | 65.80  | 58.80  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(9) Trichlorofluoromethane (T)**

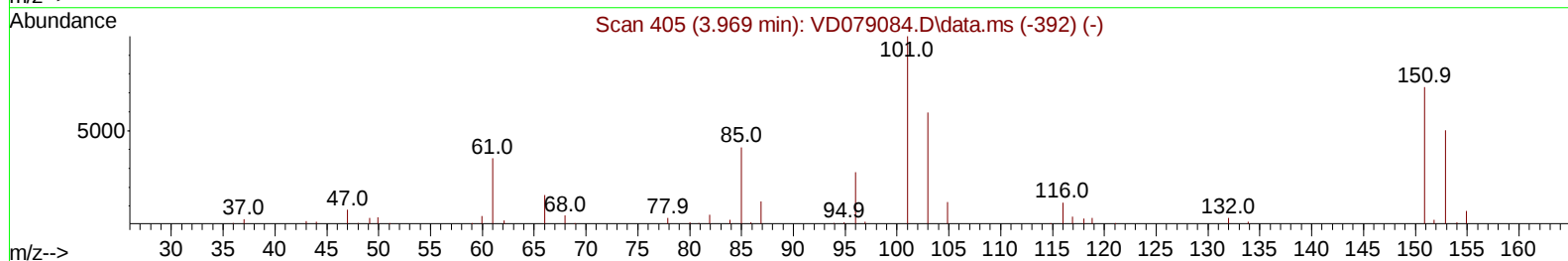
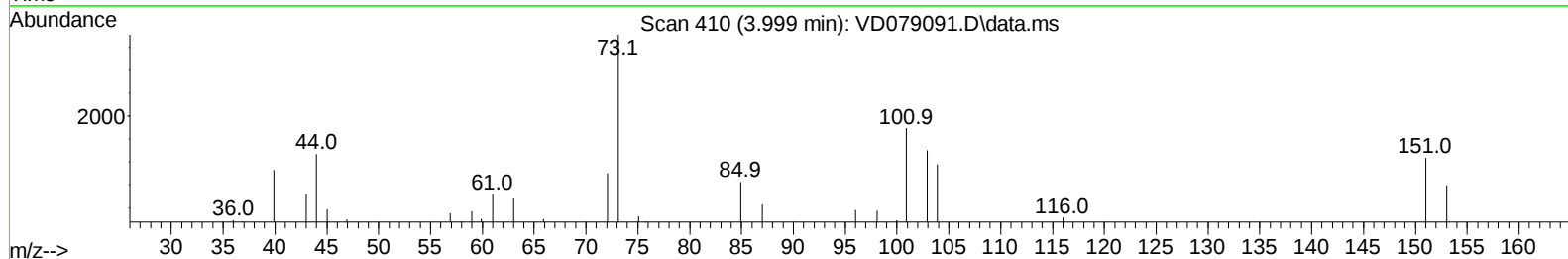
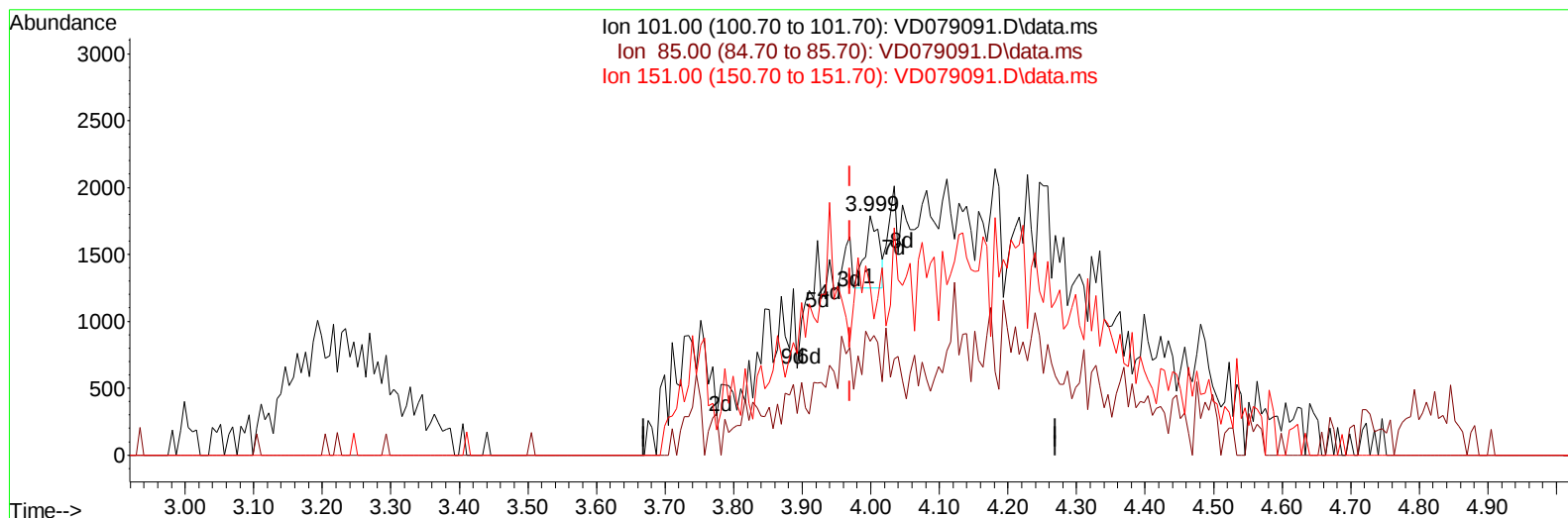
**3.193min (+ 0.018) 0.99 ug/L m**

**response 8596**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 103.00 | 65.80  | 2.84#  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

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

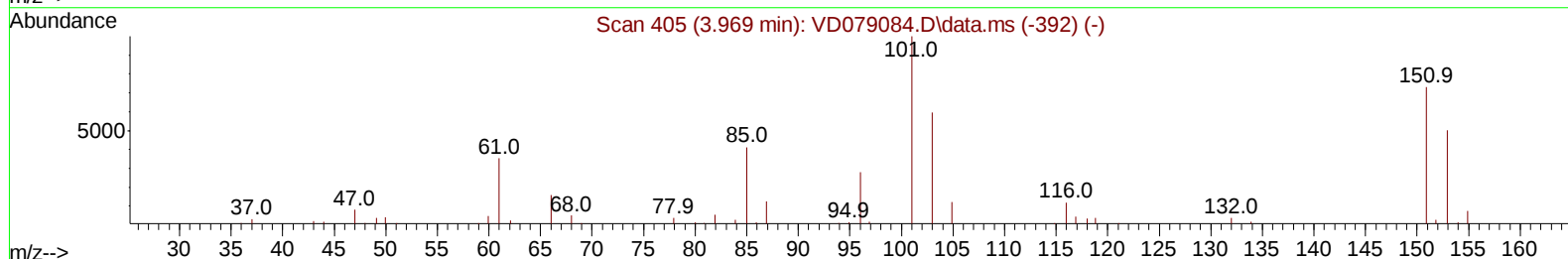
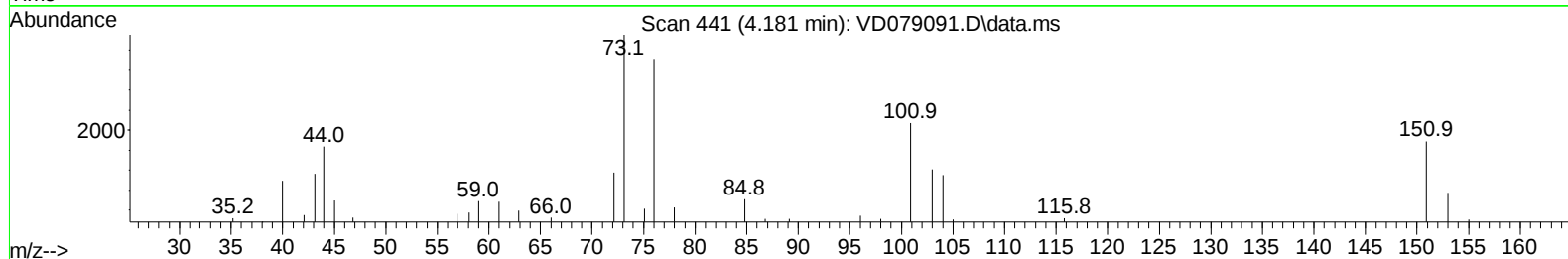
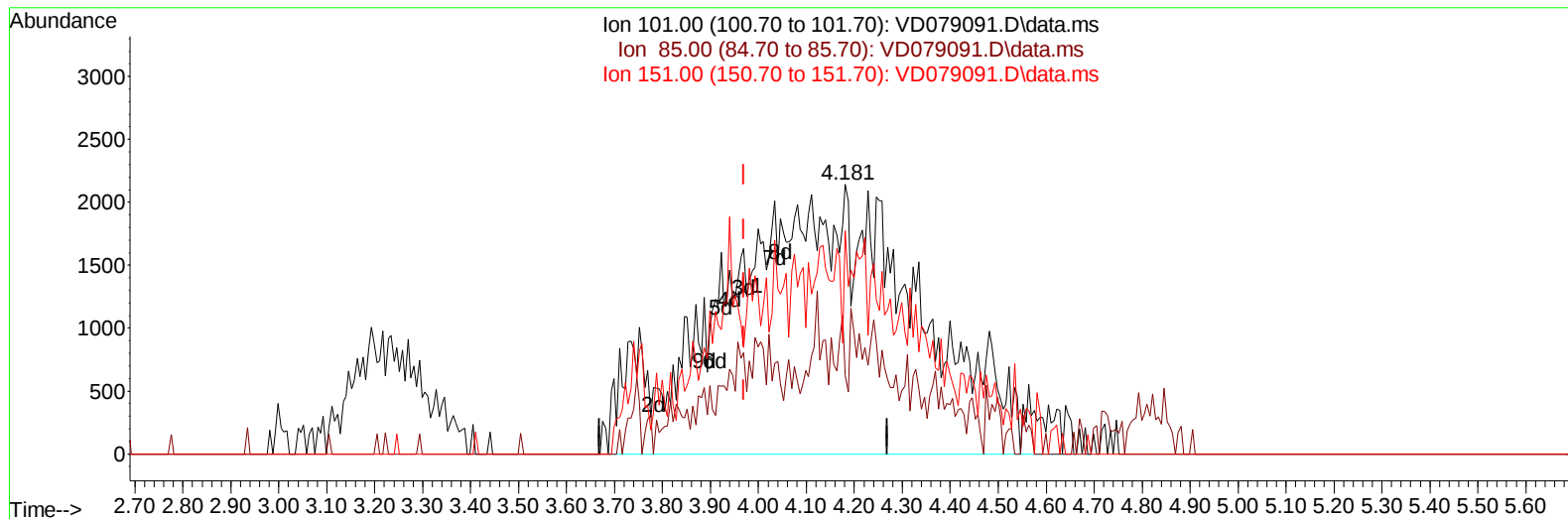
**3.999min (+ 0.029) 0.15 ug/L**

**response 773**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 85.00  | 44.20  | 37.52  |
| 151.00 | 73.90  | 87.71  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

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

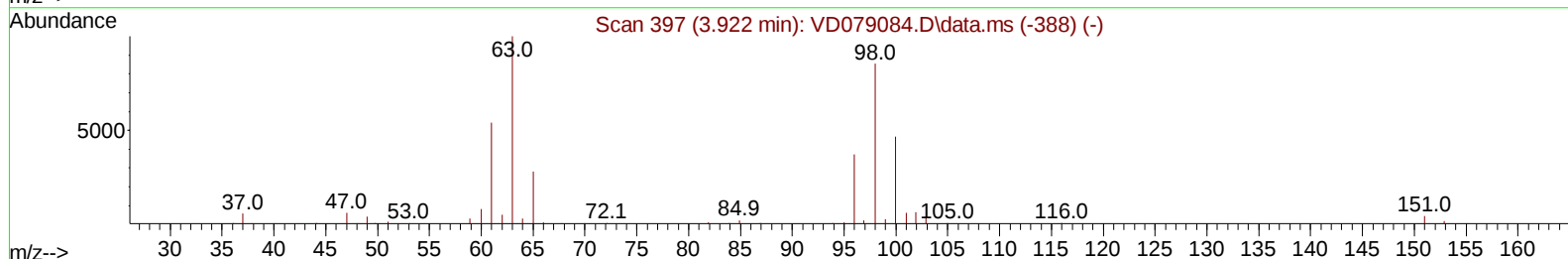
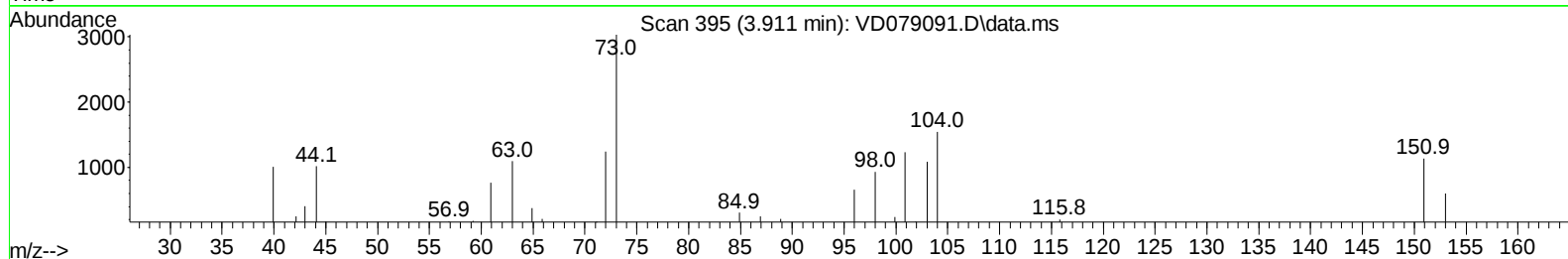
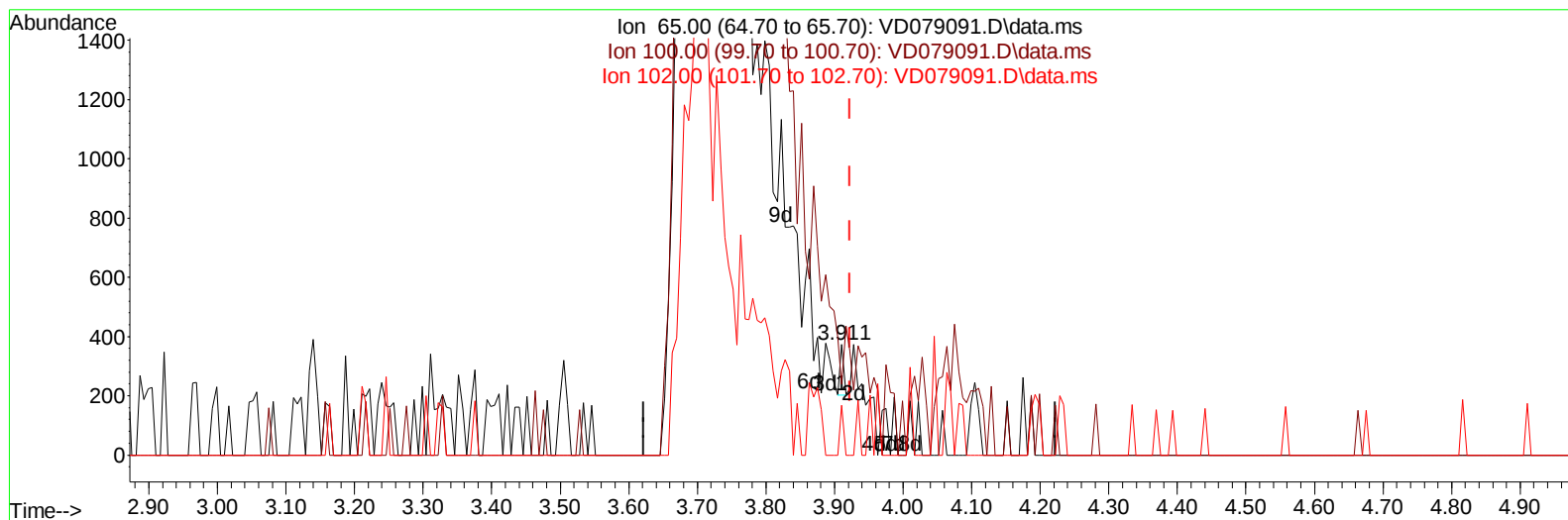
**4.181min (+ 0.212) 11.83 ug/L m**

**response 61610**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 85.00  | 44.20  | 0.47#  |
| 151.00 | 73.90  | 1.10#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
 Acq On : 30 May 2024 12:57  
 Operator : RP/MD  
 Sample : P2586-07MSD  
 Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(11) 1,1-Dichloroethene-d2 (S)**

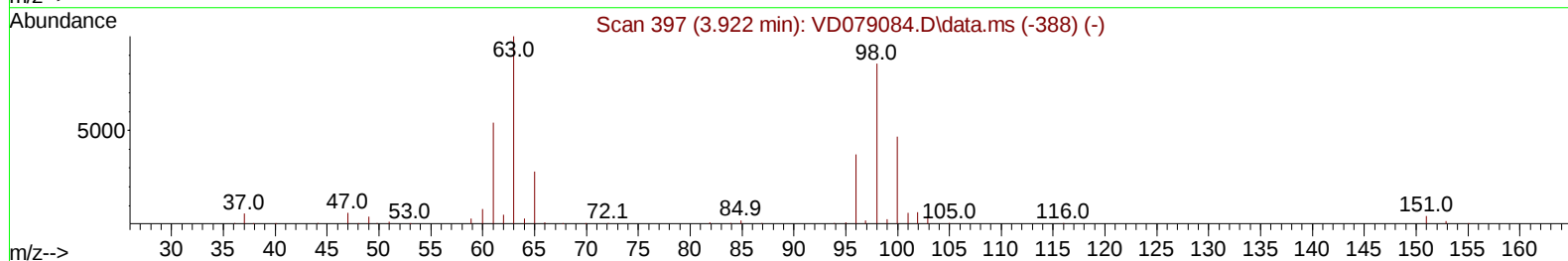
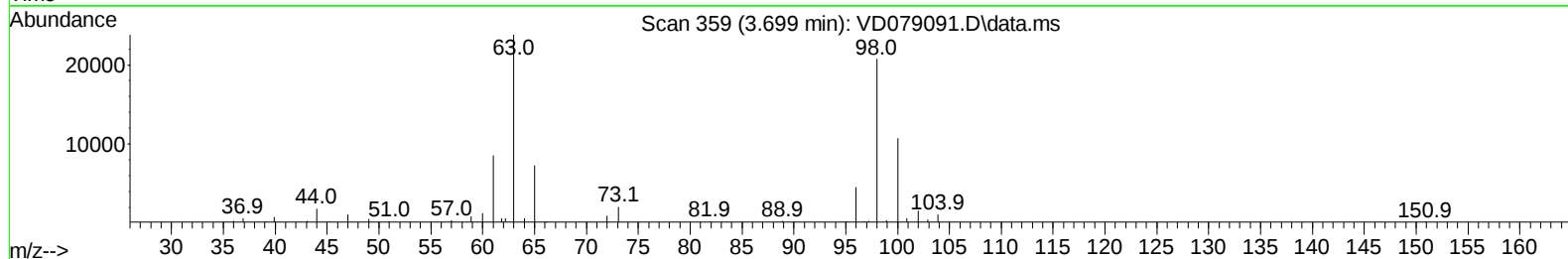
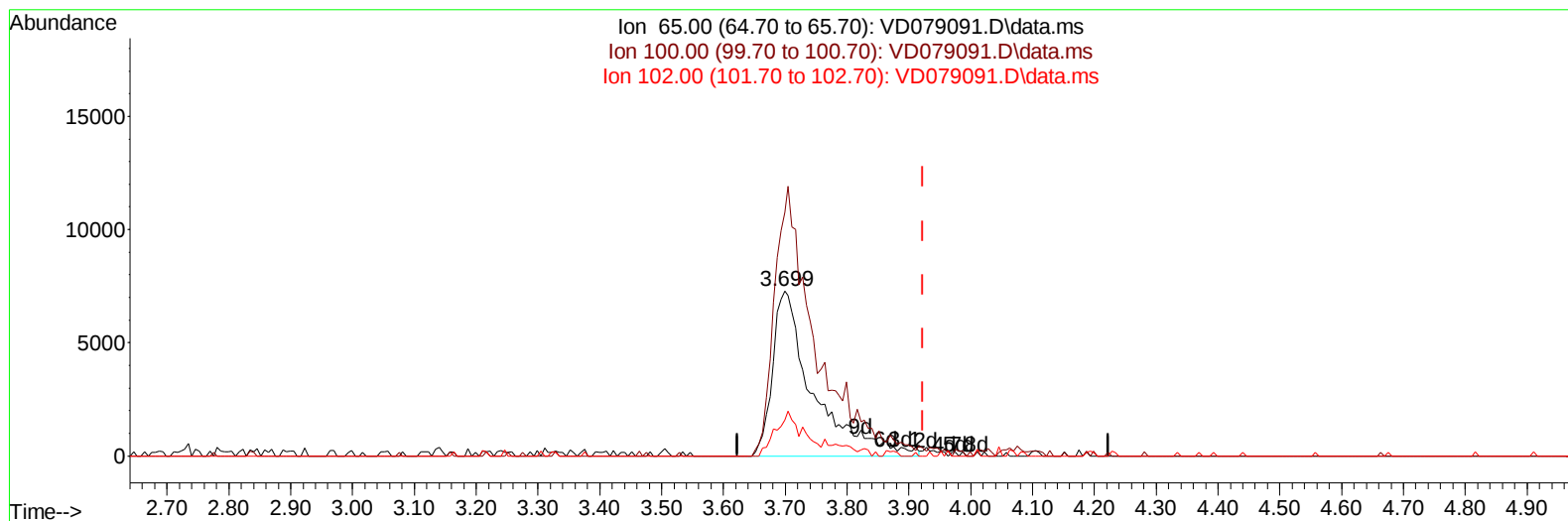
**3.911min (-0.012) 0.03 ug/L**

**response 61**

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 65.00  | 100.00 | 100.00  |
| 100.00 | 171.20 | 581.97# |
| 102.00 | 26.10  | 0.00#   |
| 0.00   | 0.00   | 0.00    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(11) 1,1-Dichloroethene-d2 (S)**

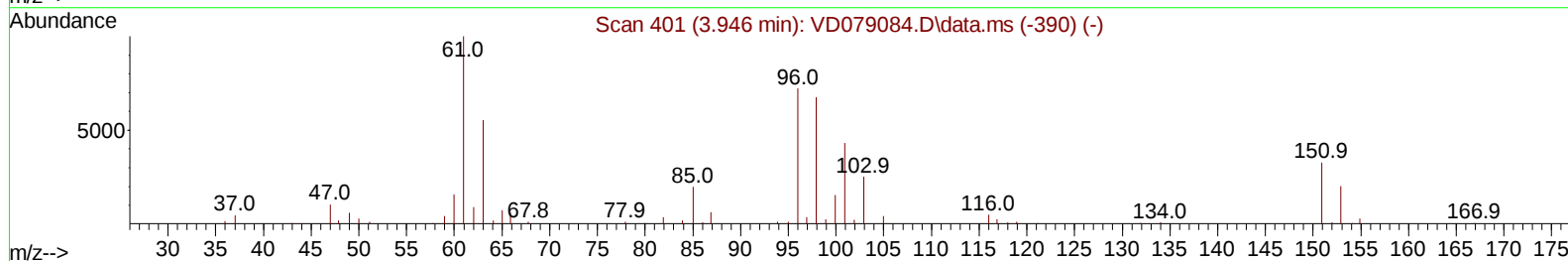
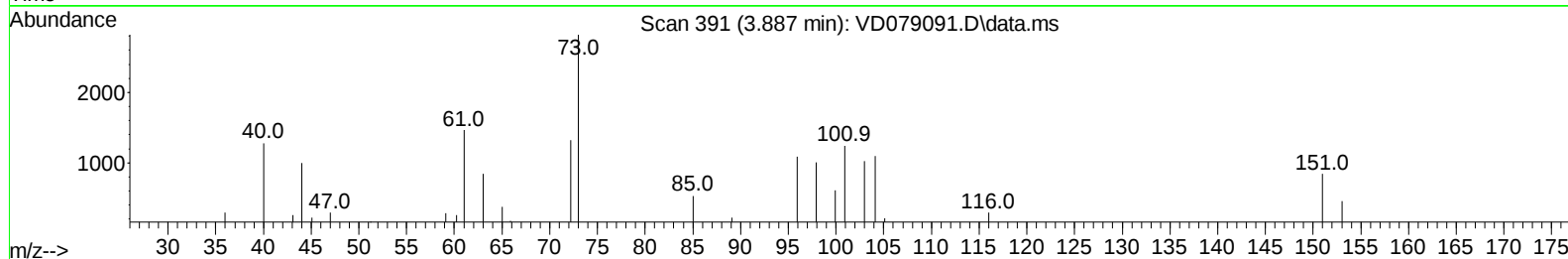
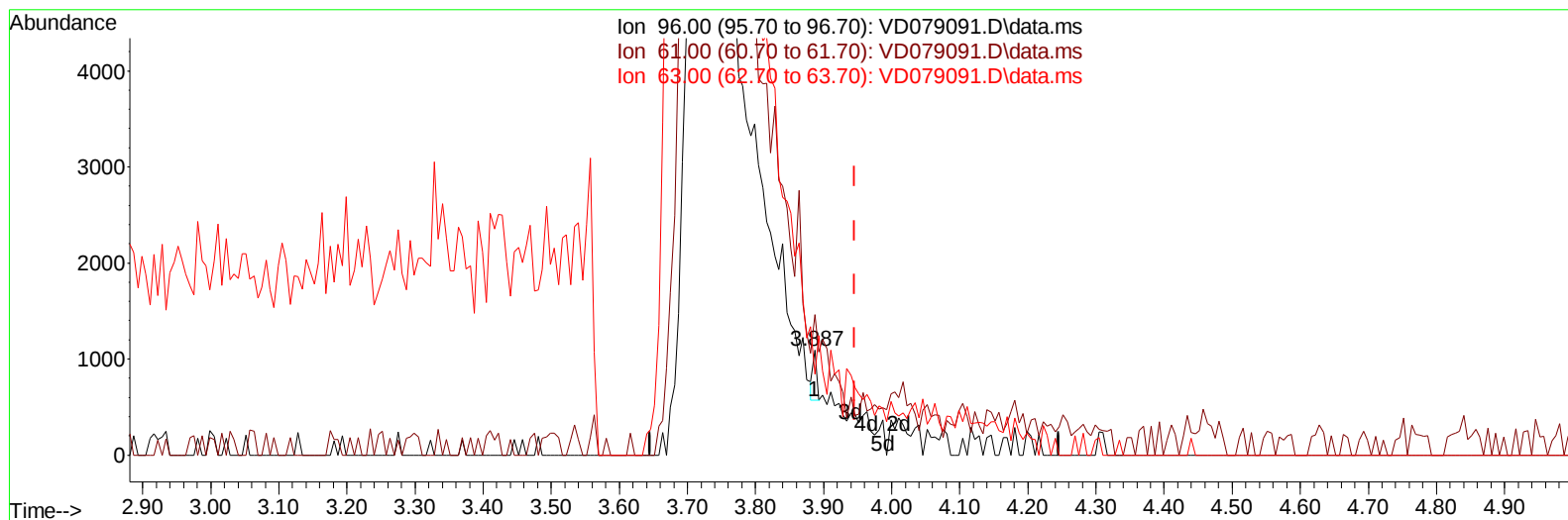
**3.699min (-0.224) 18.58 ug/L m**

**response 33230**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 65.00  | 100.00 | 100.00 |
| 100.00 | 171.20 | 1.07#  |
| 102.00 | 26.10  | 0.00#  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(12) 1,1-Dichloroethene (T)

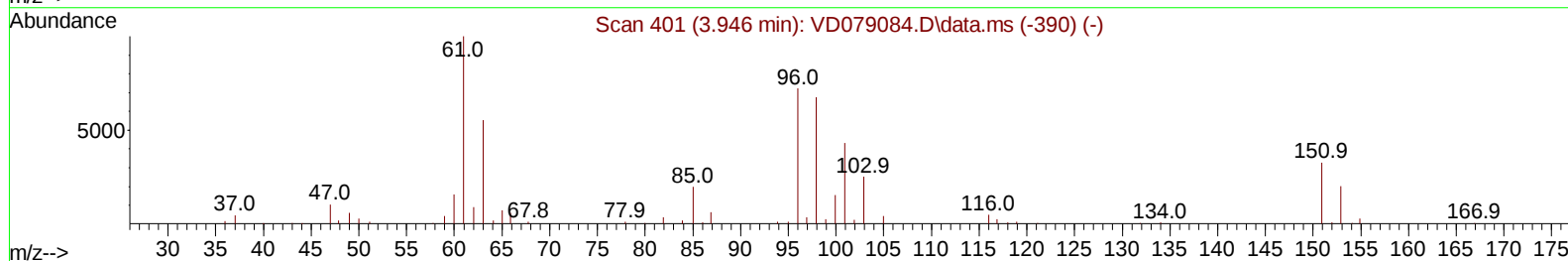
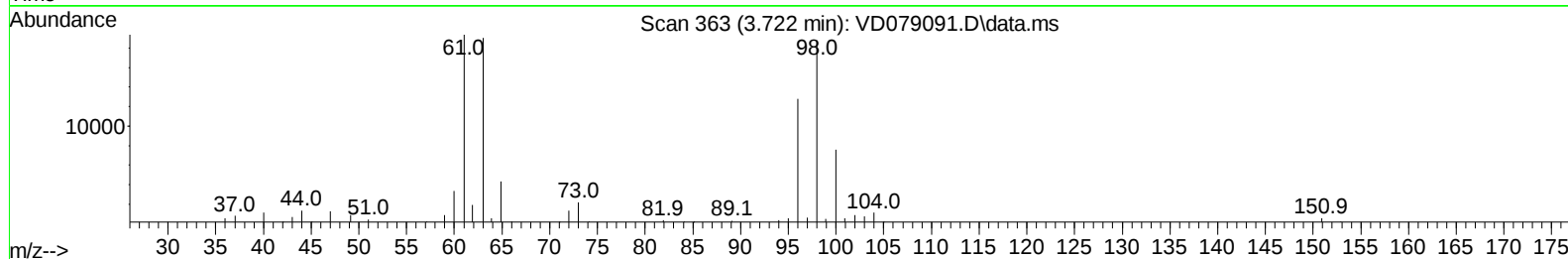
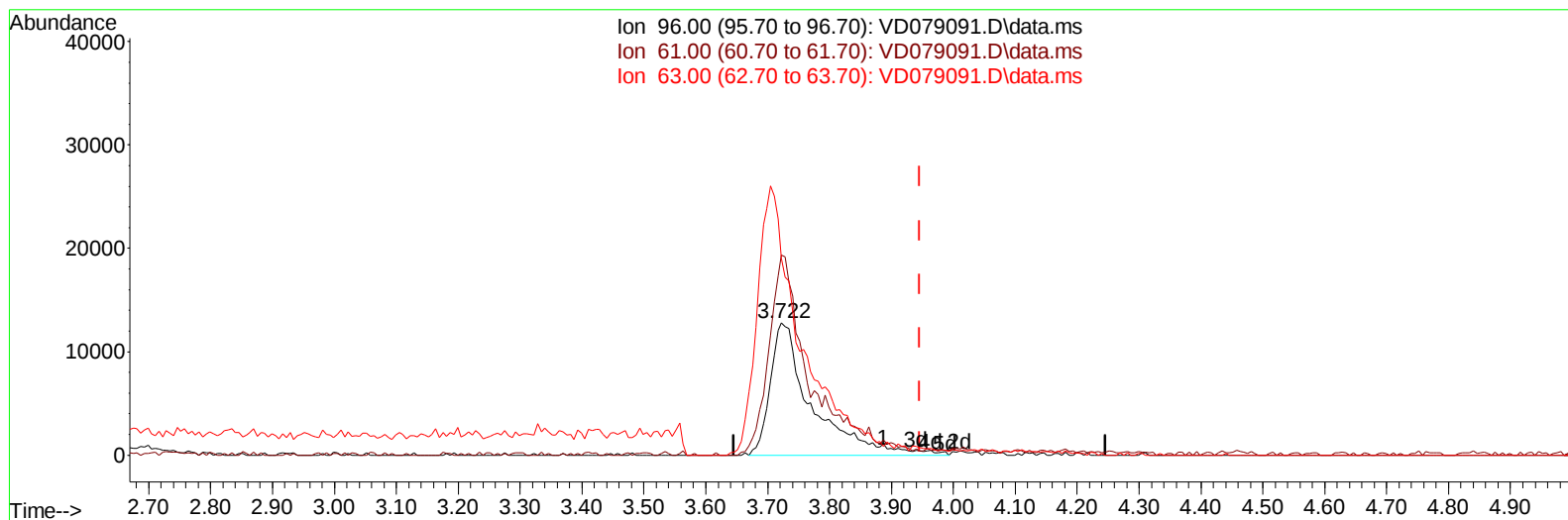
3.887min (-0.059) 0.04 ug/L

response 183

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 134.10 | 134.40 |
| 63.00 | 96.70  | 77.52  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(12) 1,1-Dichloroethene (T)

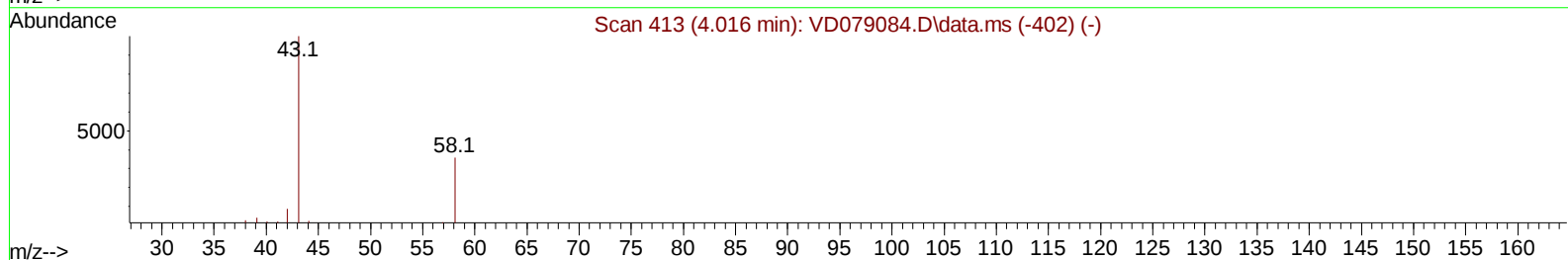
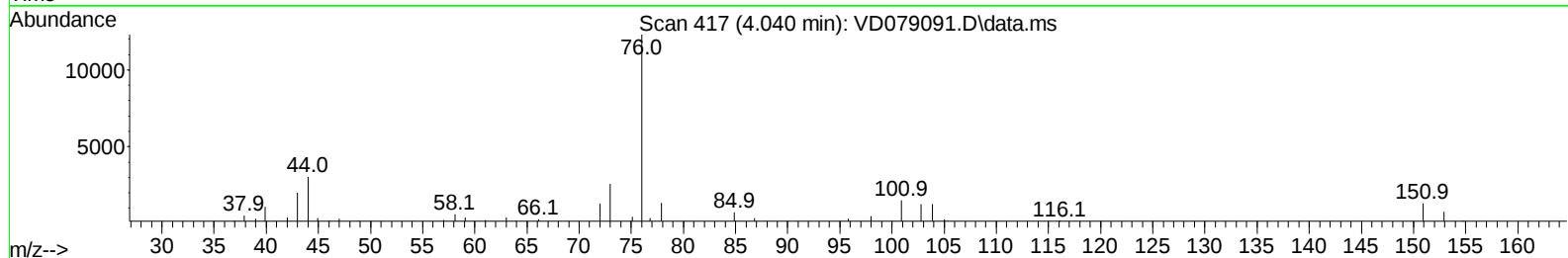
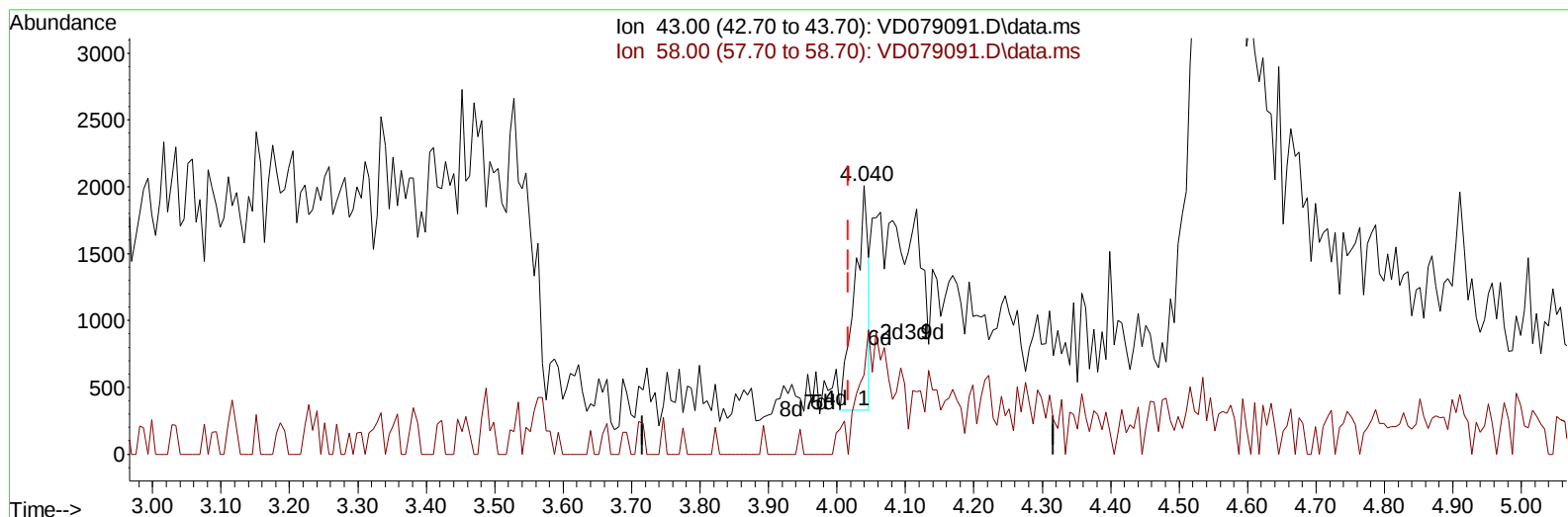
3.722min (-0.224) 13.09 ug/L m

response 59377

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00  |
| 61.00 | 134.10 | 151.06  |
| 63.00 | 96.70  | 148.44# |
| 0.00  | 0.00   | 0.00    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



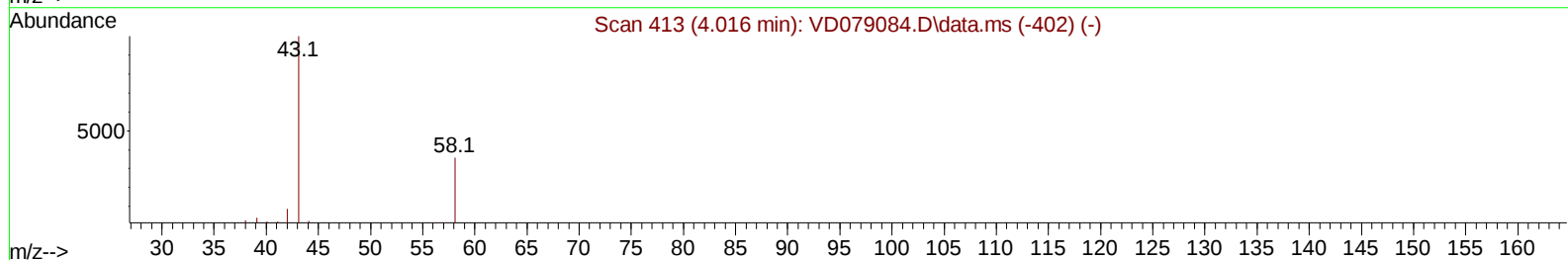
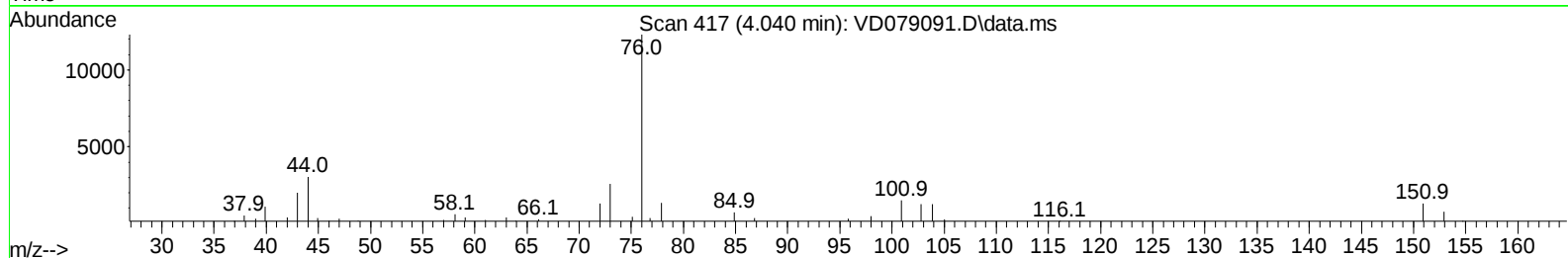
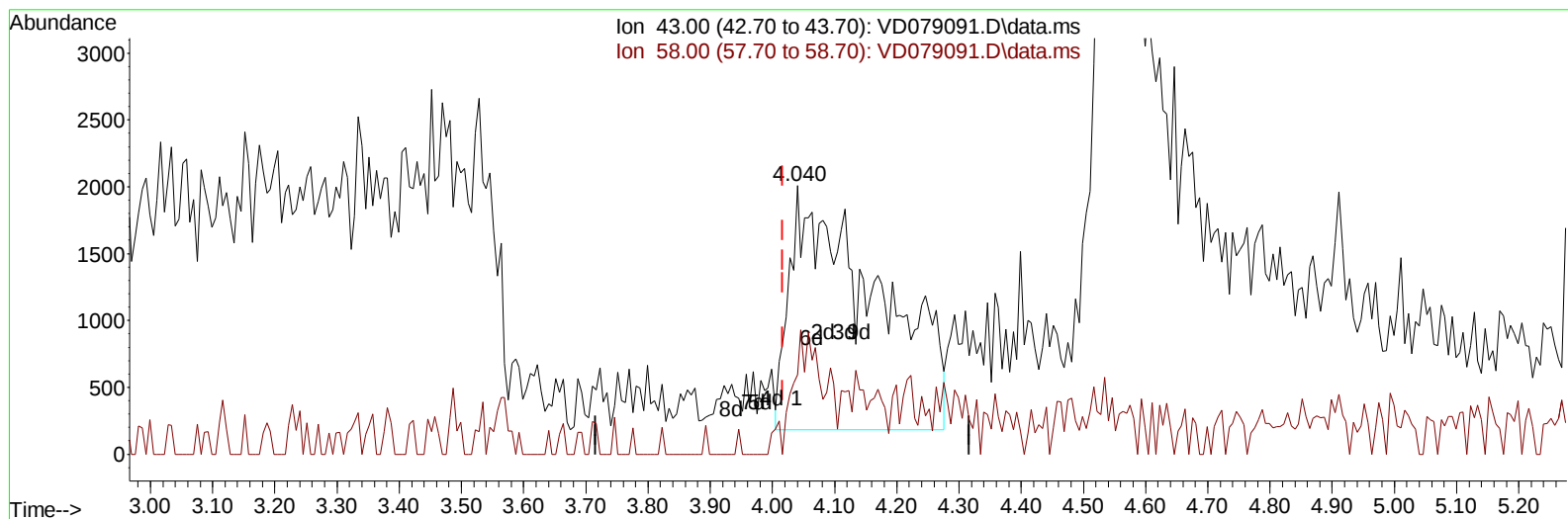
TIC: VD079091.D\data.ms

**(13) Acetone (T)****4.040min (+ 0.024) 2.08 ug/L****response 2318**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 39.10  | 52.16  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
 Acq On : 30 May 2024 12:57  
 Operator : RP/MD  
 Sample : P2586-07MSD  
 Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(13) Acetone (T)**

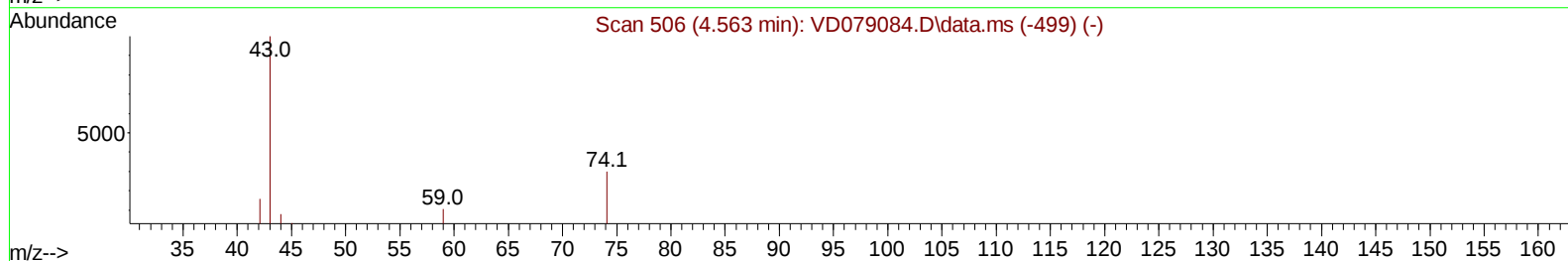
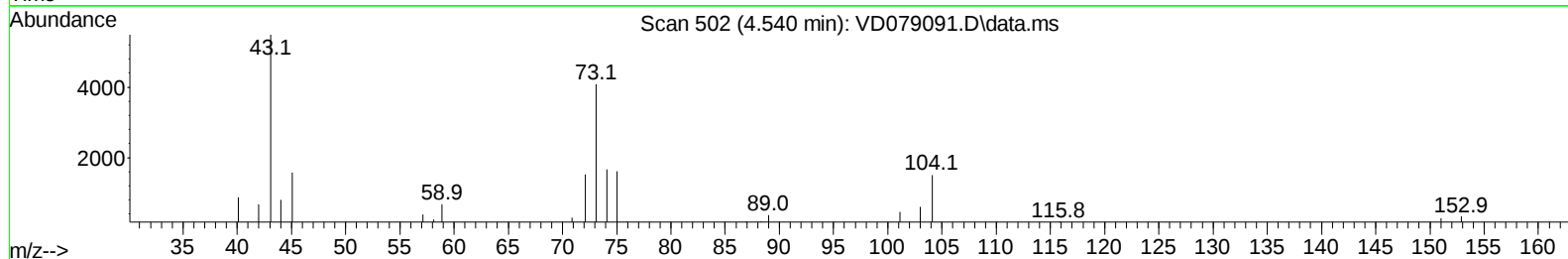
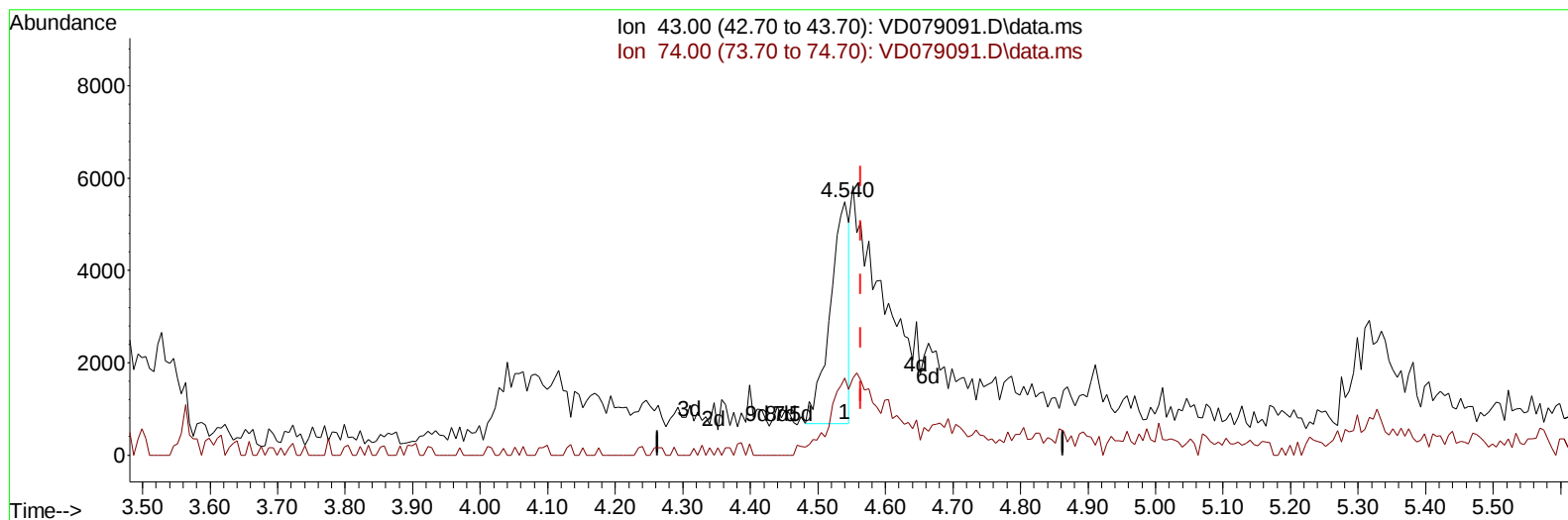
**4.040min (+ 0.024) 15.71 ug/L m**

**response 17530**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 39.10  | 6.90   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(15) Methyl Acetate (T)**

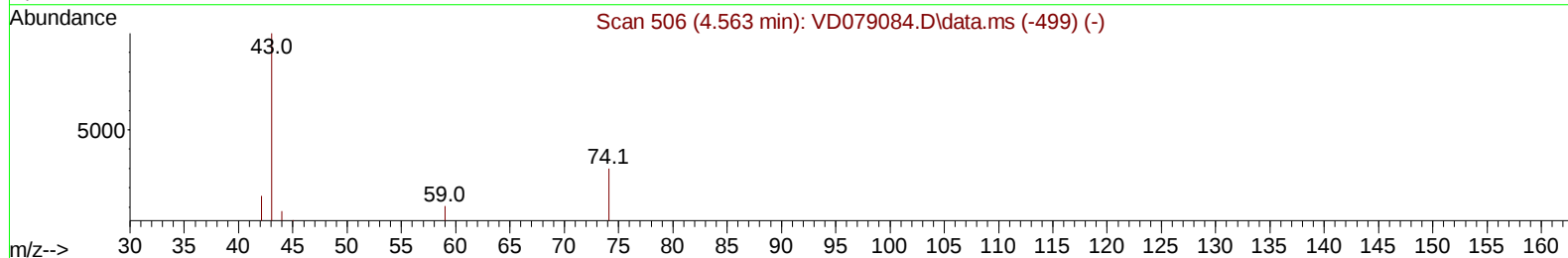
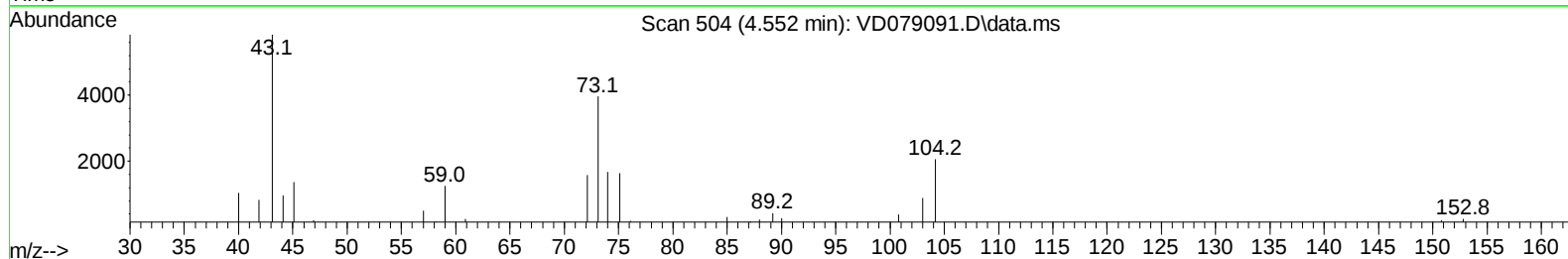
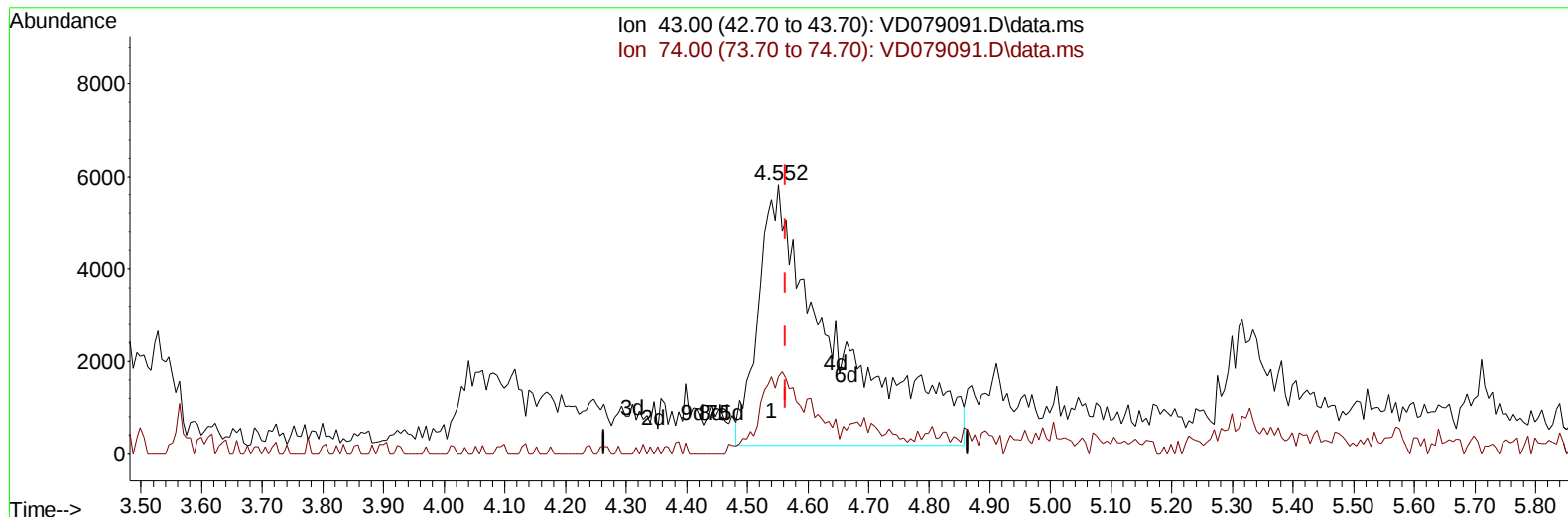
**4.540min (-0.024) 6.27 ug/L**

**response 9538**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 74.00 | 29.70  | 29.71  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(15) Methyl Acetate (T)

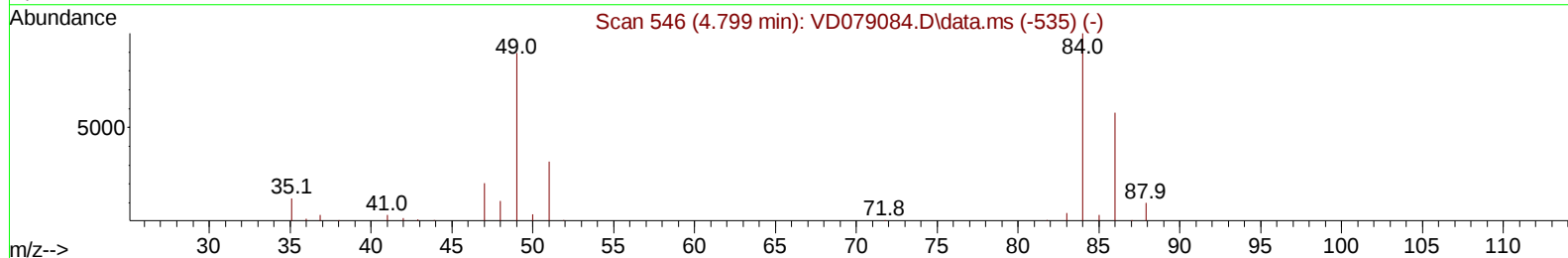
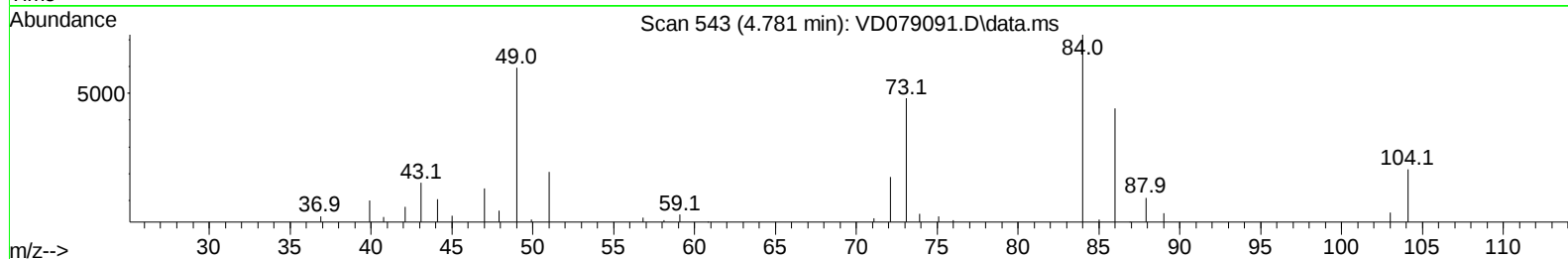
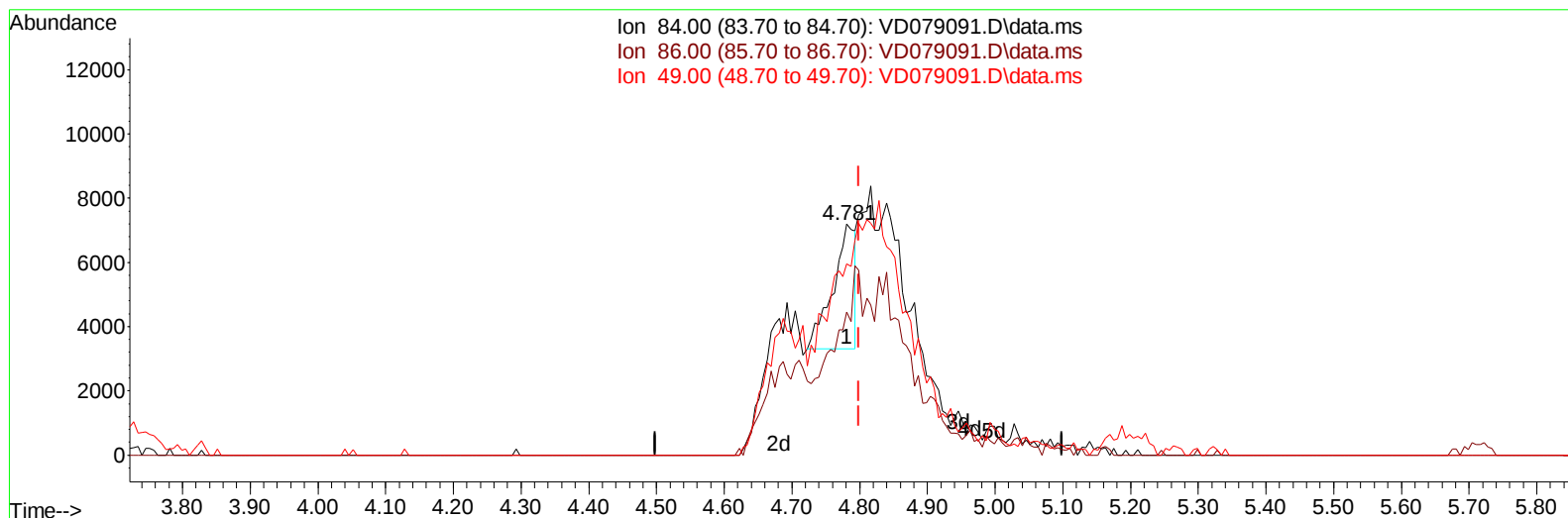
4.552min (-0.012) 32.54 ug/L m

response 49479

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 74.00 | 29.70  | 5.73#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



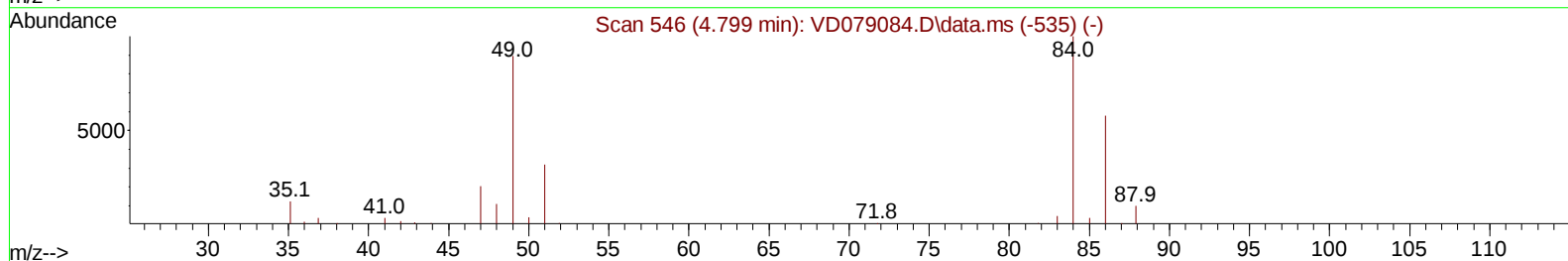
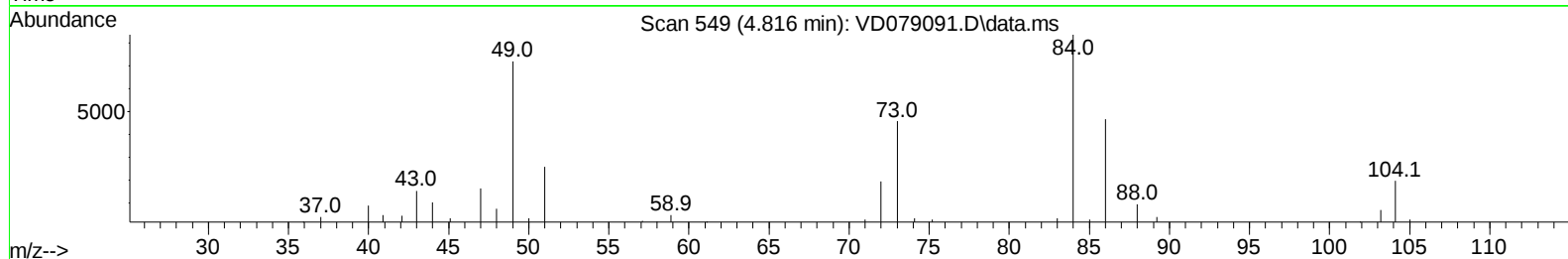
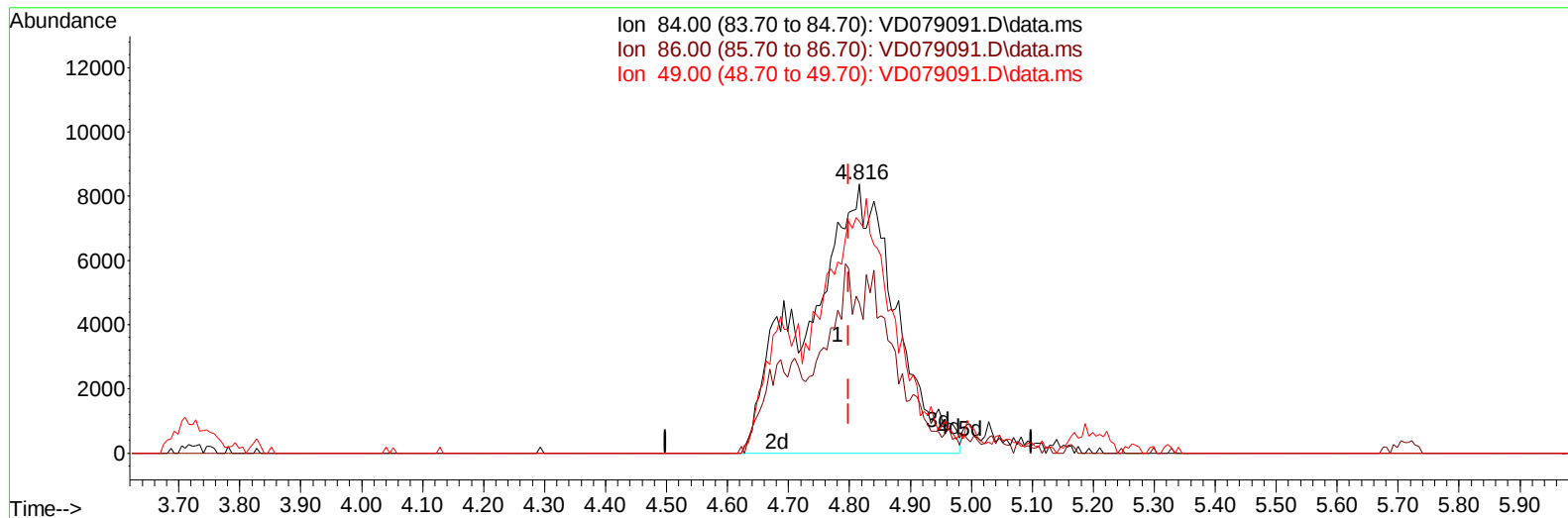
TIC: VD079091.D\data.ms

**(16) Methylene chloride (T)****4.781min (-0.018) 1.51 ug/L****response 8818**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 86.00 | 58.50  | 61.86  |
| 49.00 | 96.40  | 82.75  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(16) Methylene chloride (T)**

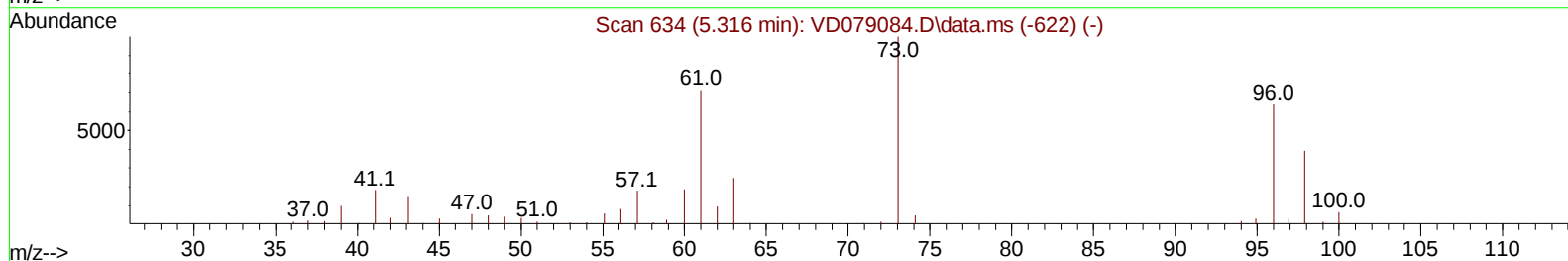
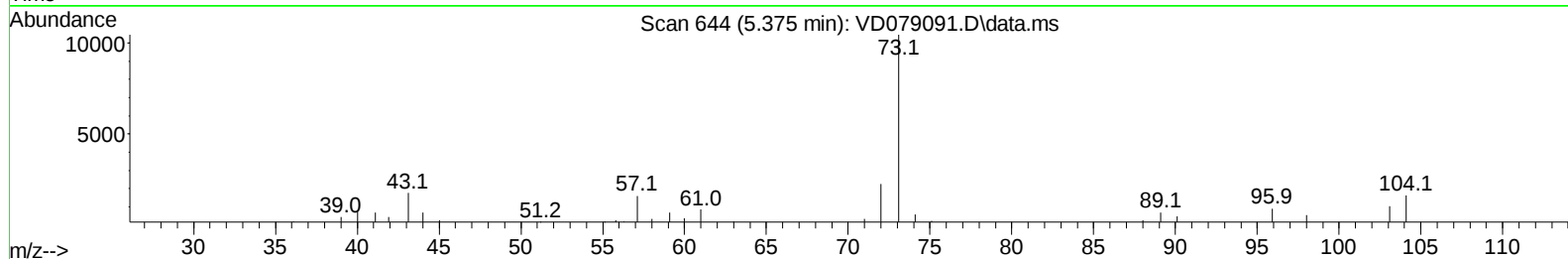
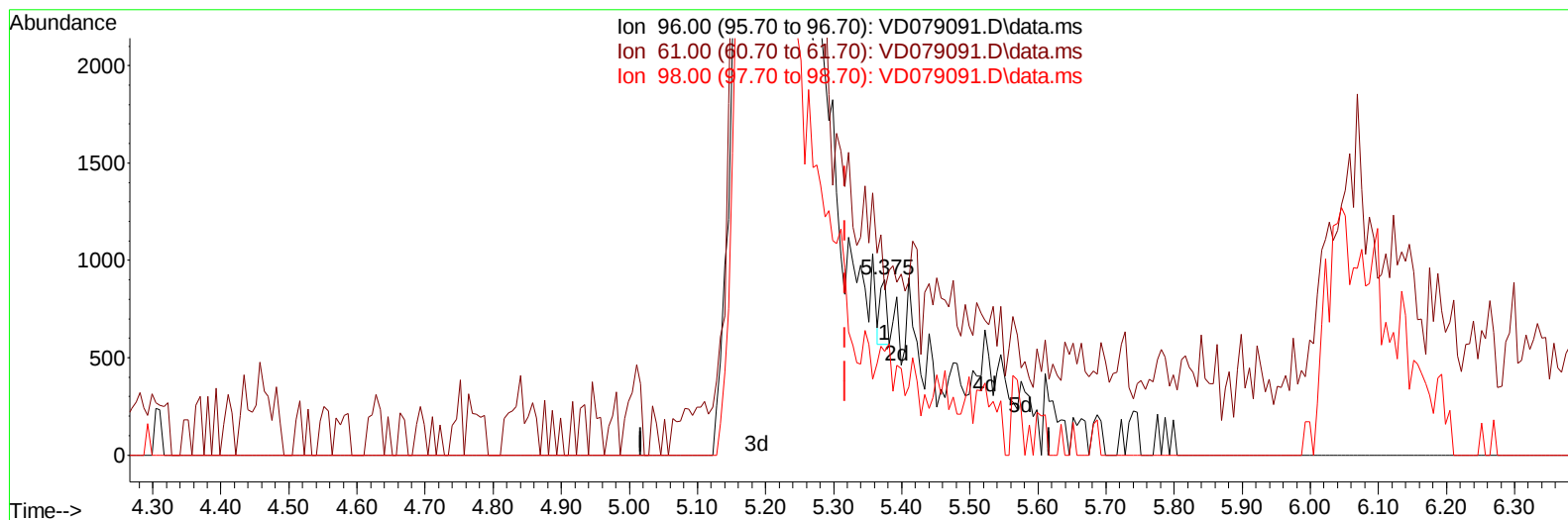
**4.816min (+ 0.018) 14.56 ug/L m**

**response 84927**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 84.00 | 100.00 | 100.00 |
| 86.00 | 58.50  | 55.73  |
| 49.00 | 96.40  | 86.13  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

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

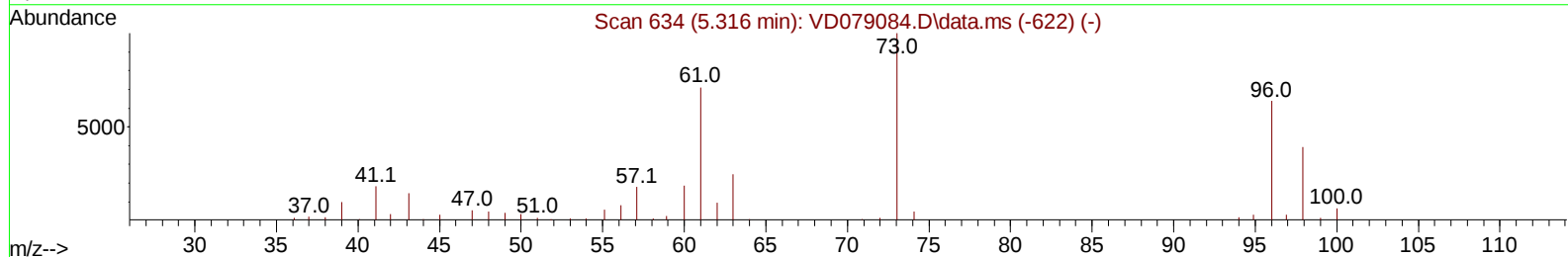
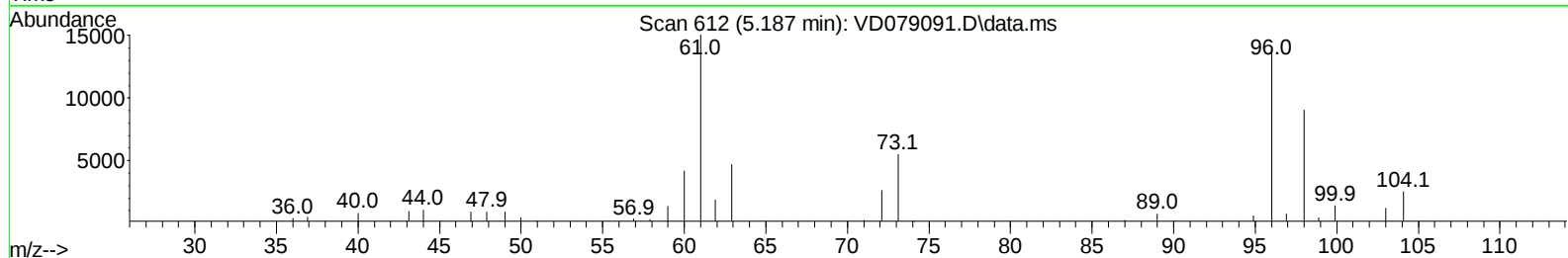
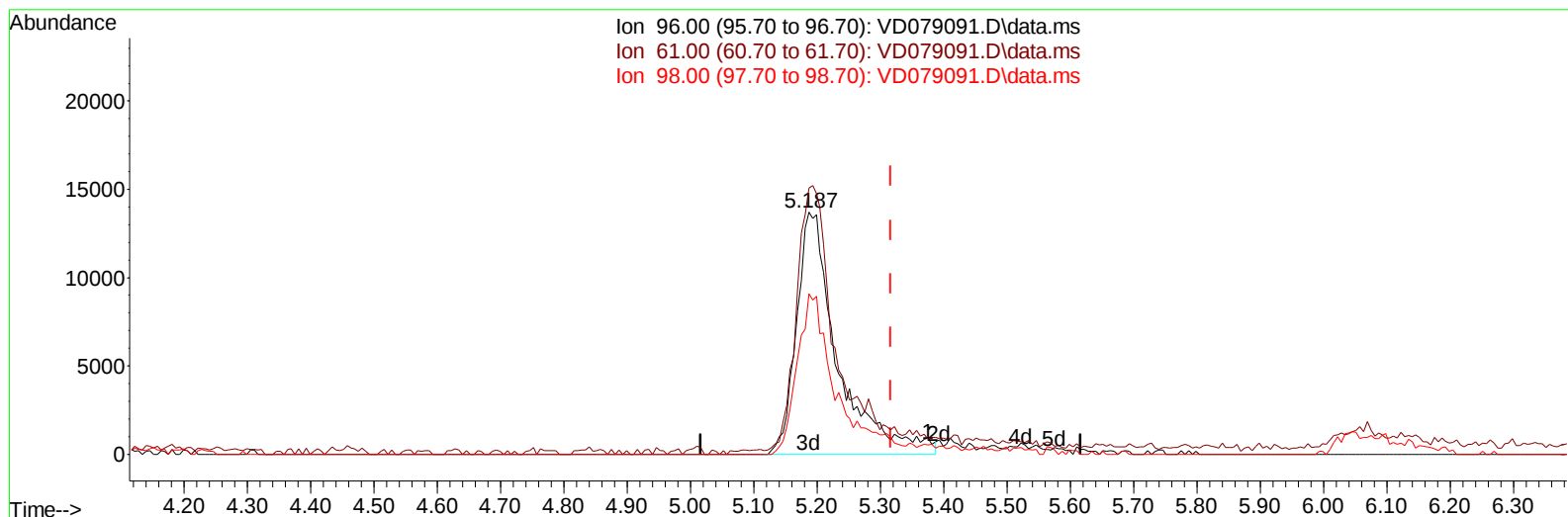
5.375min (+ 0.059) 0.04 ug/L

response 220

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 102.70 | 94.23  |
| 98.00 | 60.90  | 59.16  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(17) trans-1,2-Dichloroethene (T)**

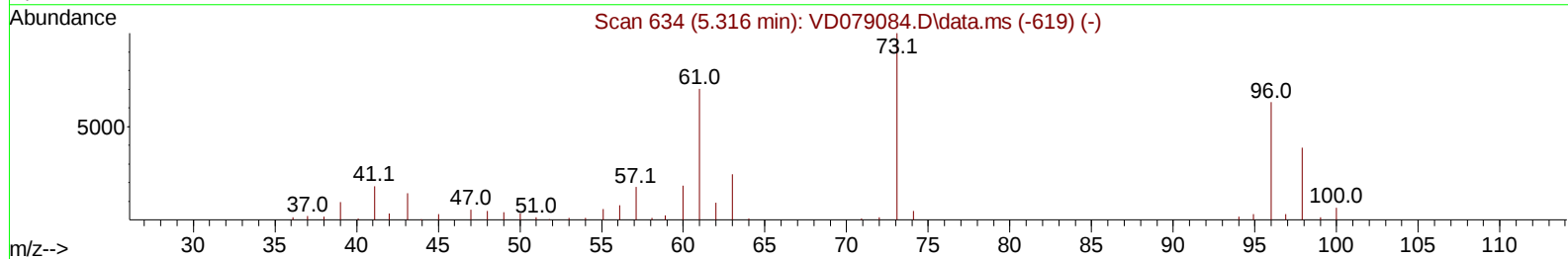
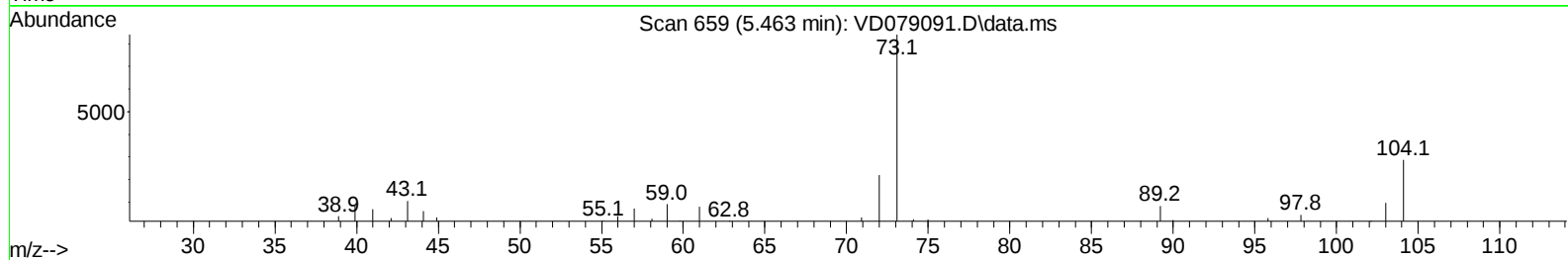
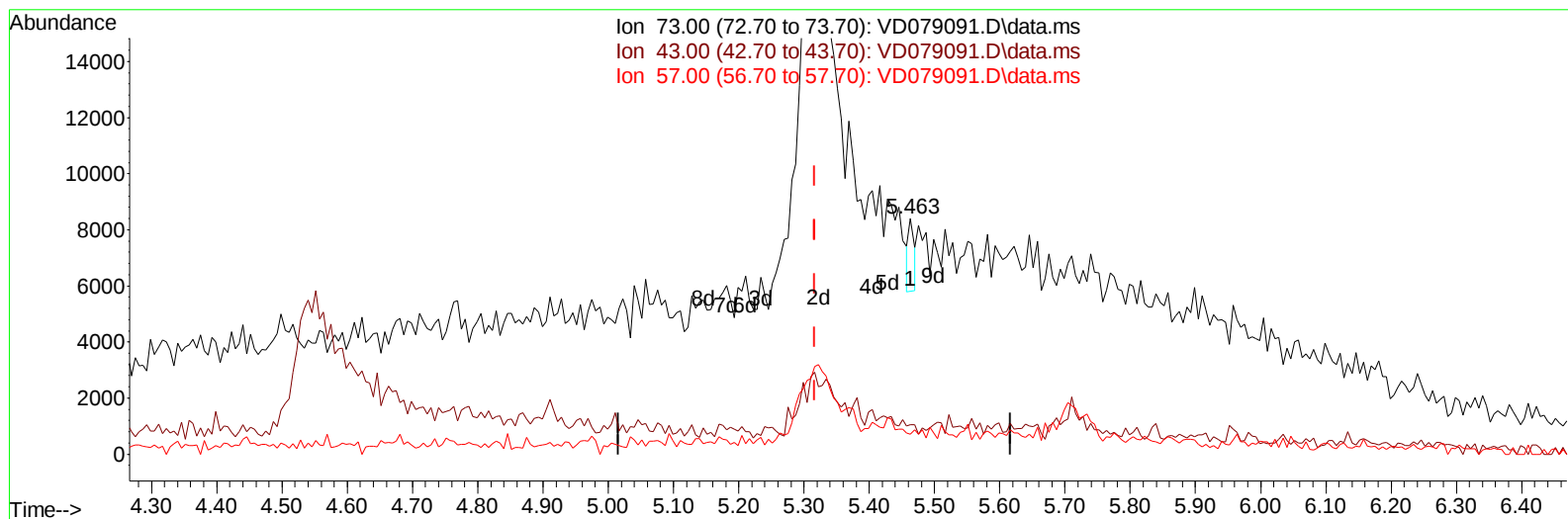
5.187min (-0.129) 12.63 ug/L m

response 61884

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 102.70 | 110.00 |
| 98.00 | 60.90  | 66.28  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(18) Methyl tert-butyl Ether (T)**

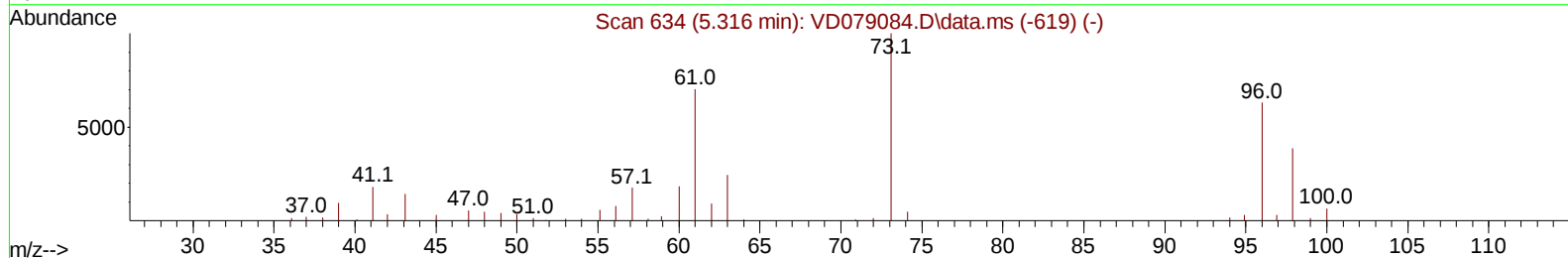
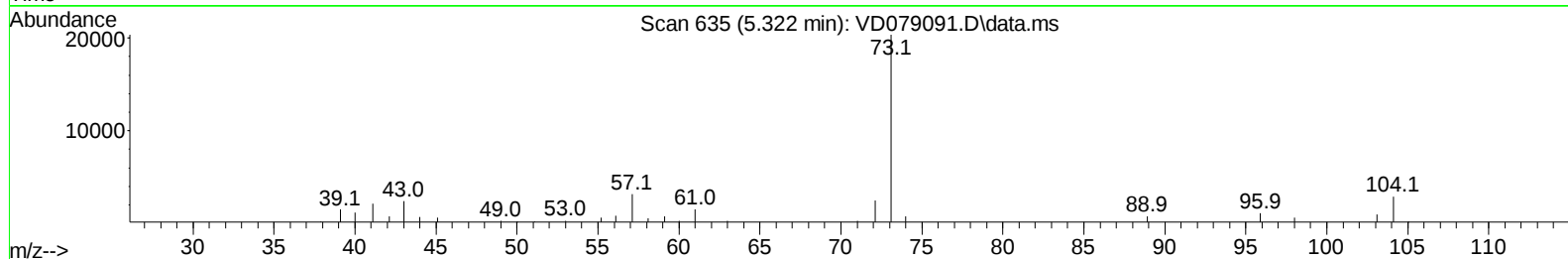
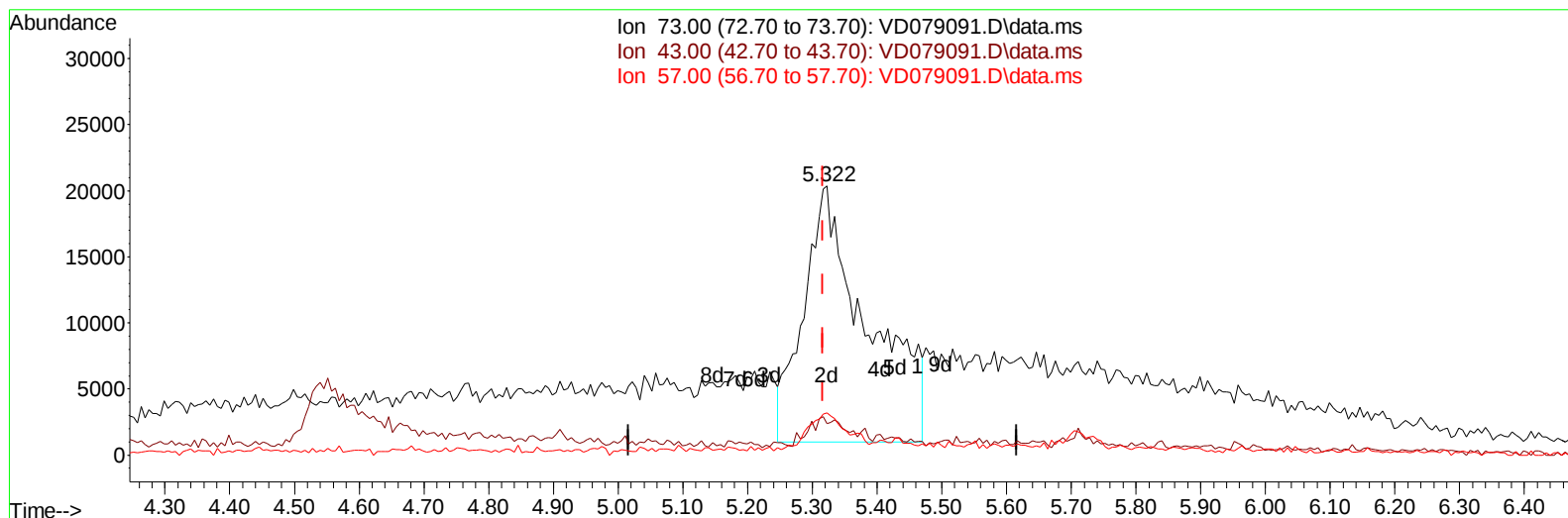
5.463min (+ 0.147) 0.17 ug/L

response 1462

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 73.00 | 100.00 | 100.00 |
| 43.00 | 15.00  | 16.42  |
| 57.00 | 12.00  | 13.00  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(18) Methyl tert-butyl Ether (T)**

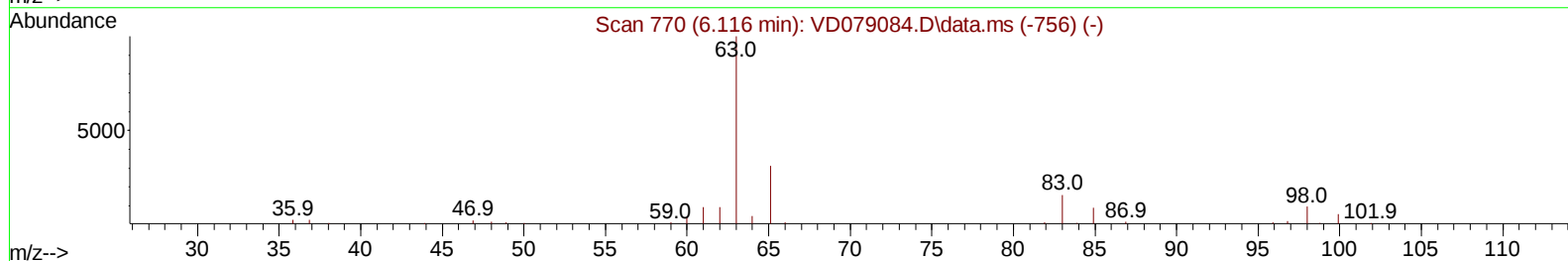
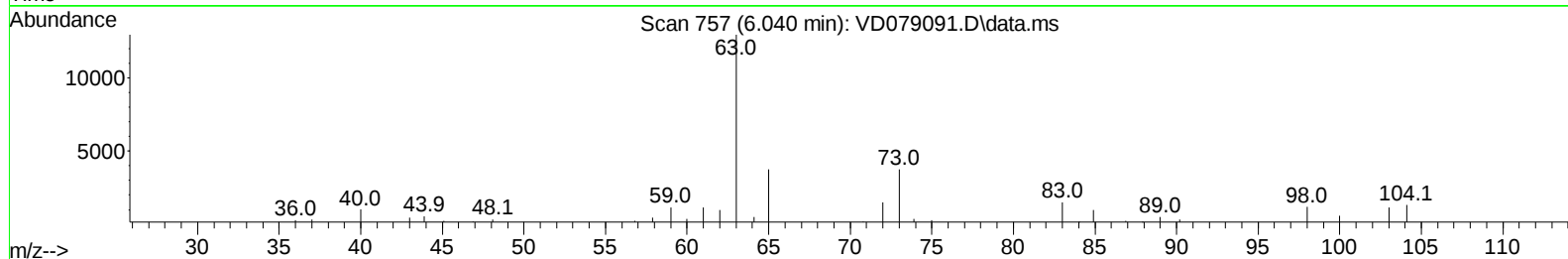
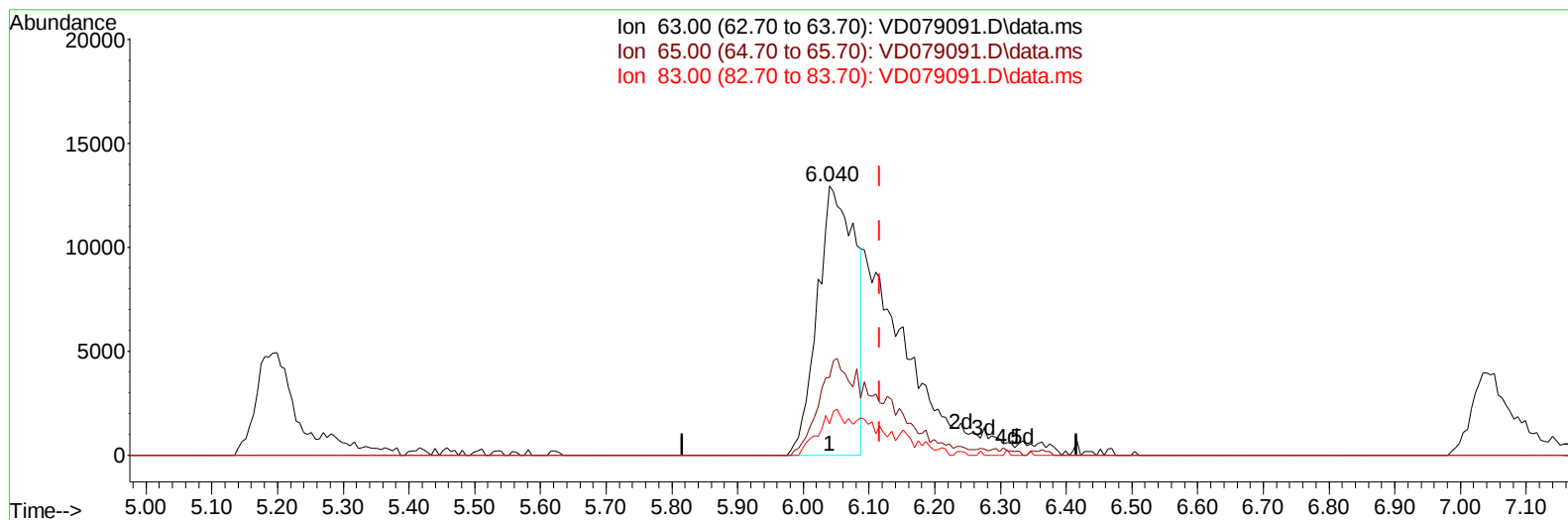
**5.322min (+ 0.006) 15.34 ug/L m**

**response 133373**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 73.00 | 100.00 | 100.00 |
| 43.00 | 15.00  | 0.18#  |
| 57.00 | 12.00  | 0.14#  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(19) 1,1-Dichloroethane (T)**

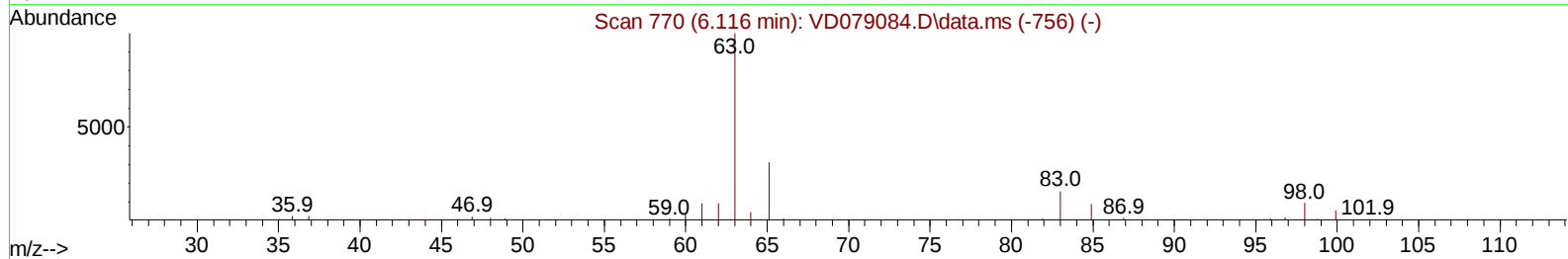
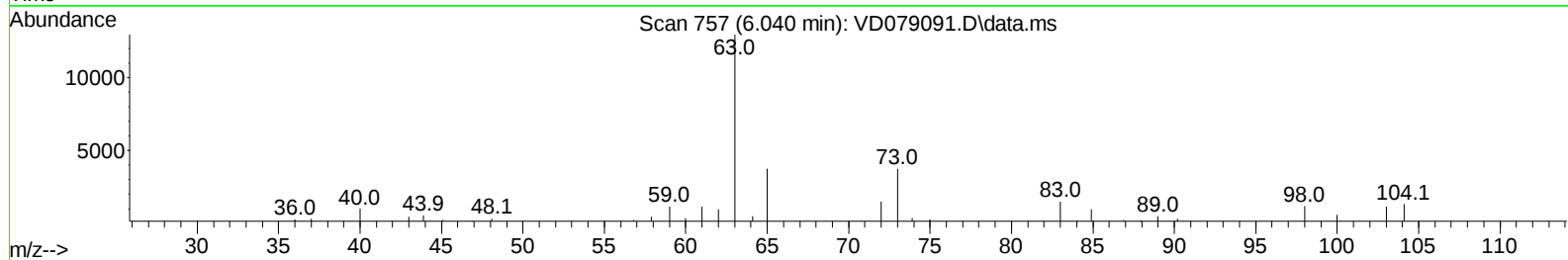
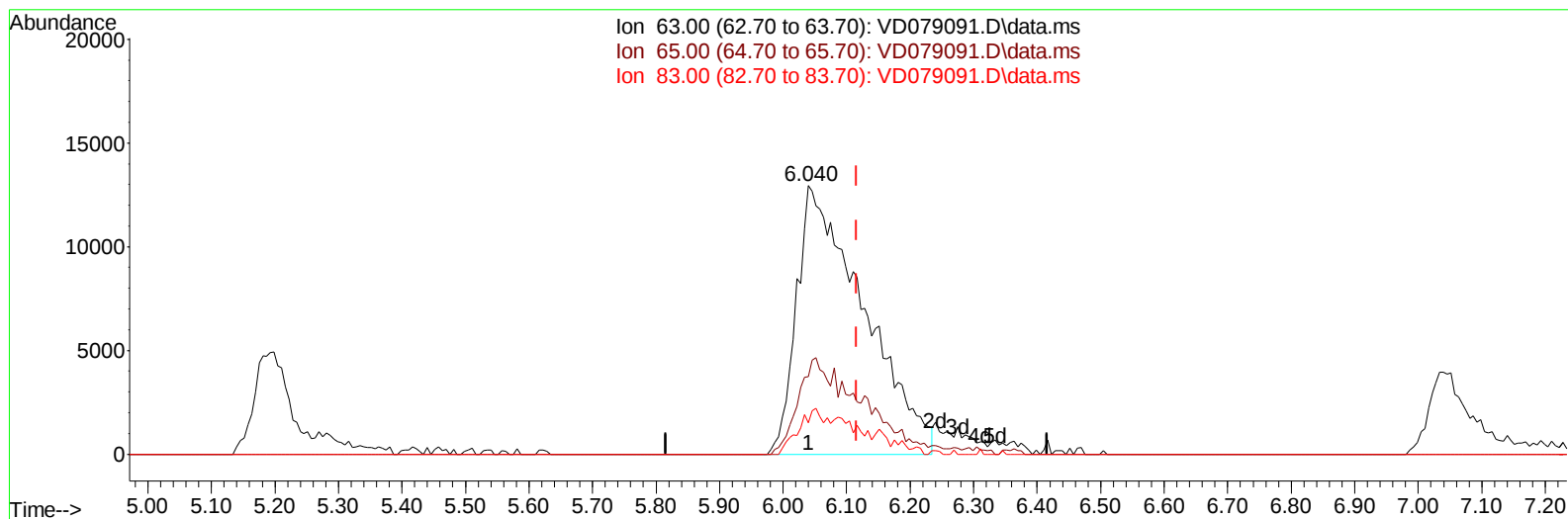
**6.040min (-0.076) 6.53 ug/L**

**response 51486**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 65.00 | 32.60  | 28.96  |
| 83.00 | 12.30  | 11.59  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(19) 1,1-Dichloroethane (T)**

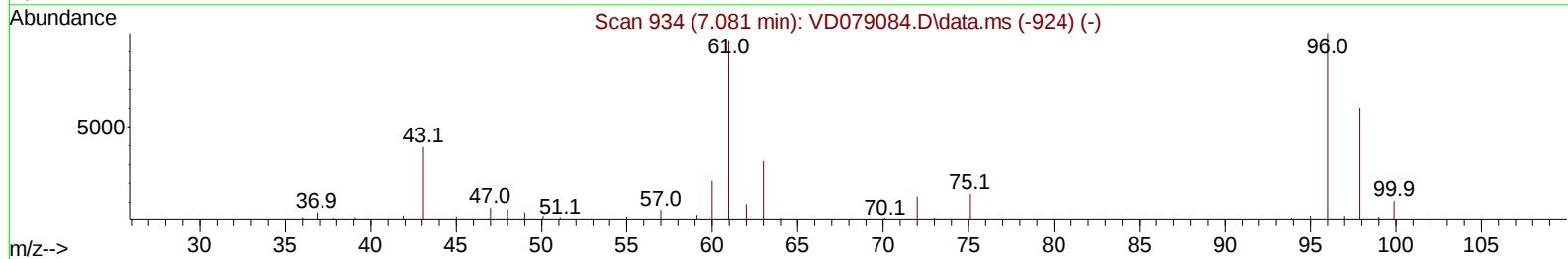
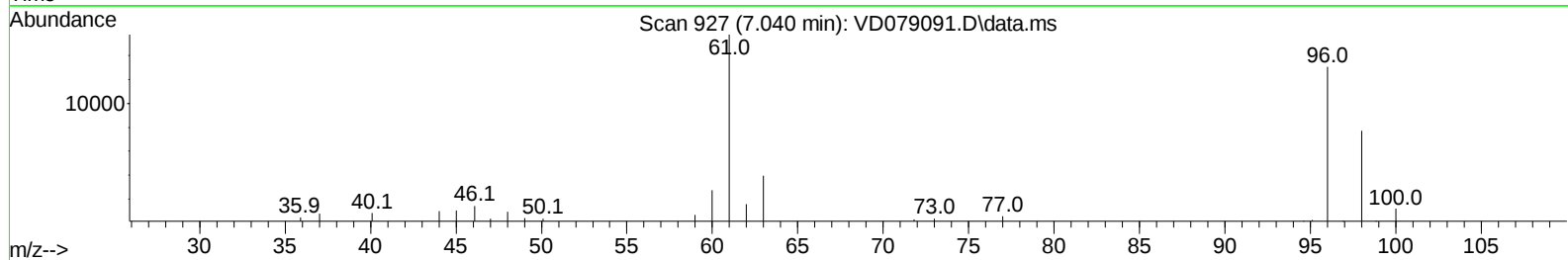
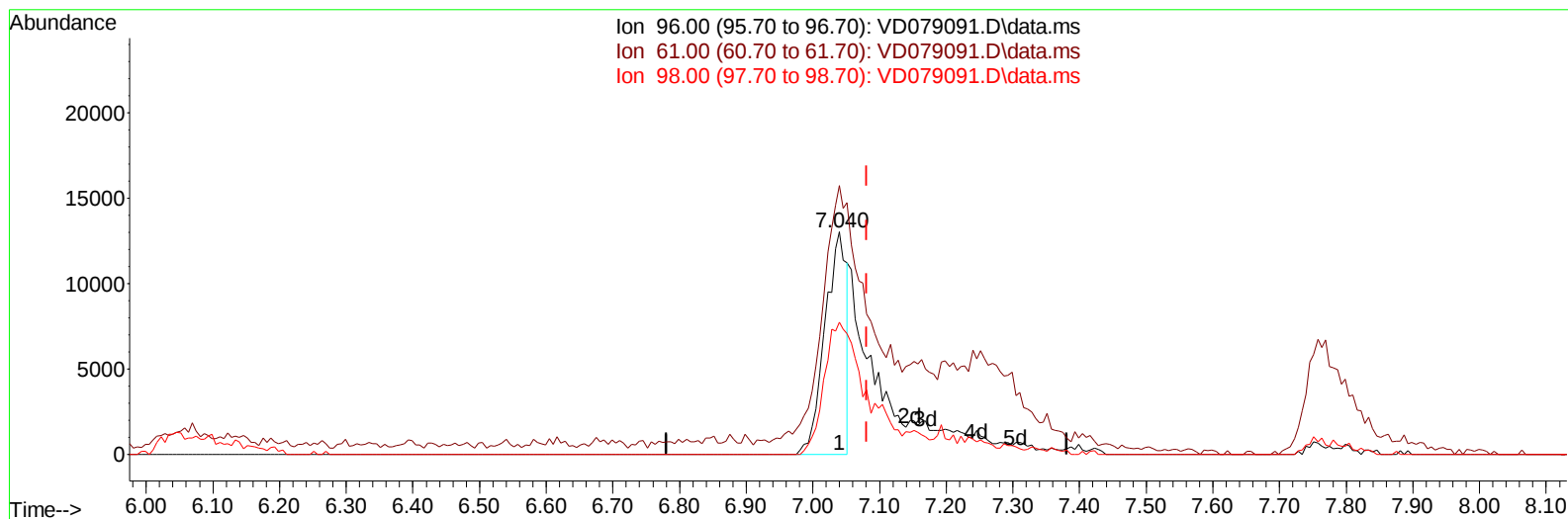
6.040min (-0.076) 11.96 ug/L m

response 94399

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 65.00 | 32.60  | 28.96  |
| 83.00 | 12.30  | 11.59  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(20) cis-1,2-Dichloroethene (T)**

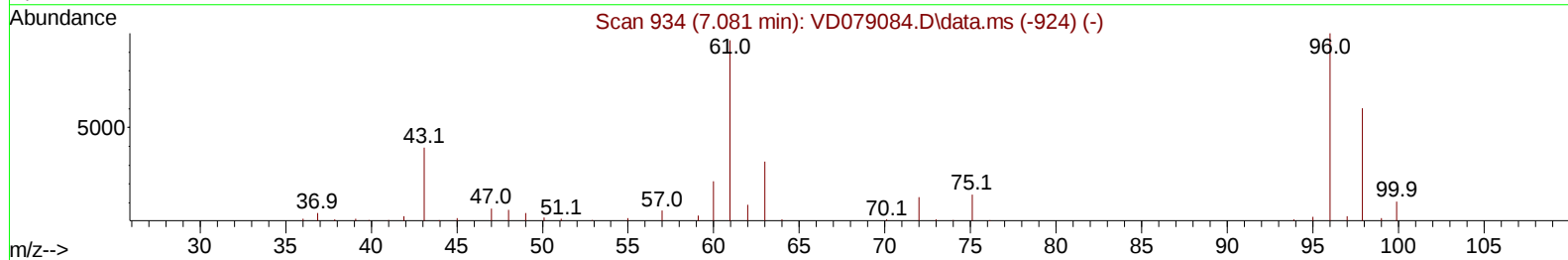
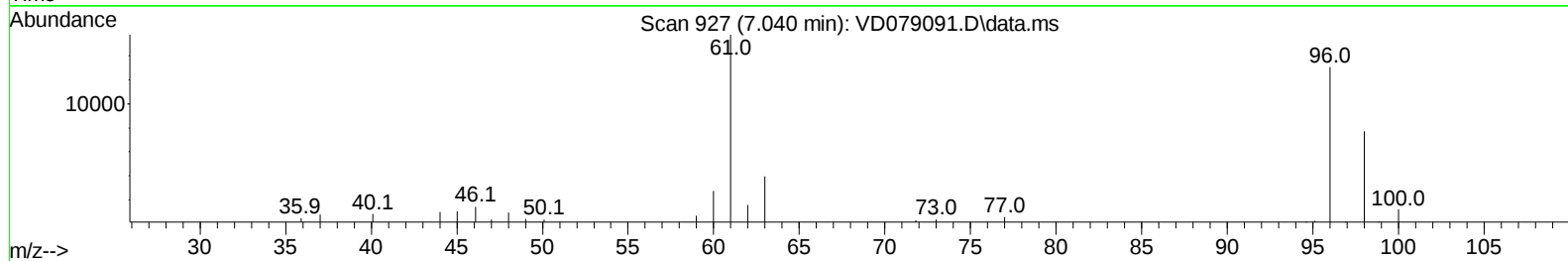
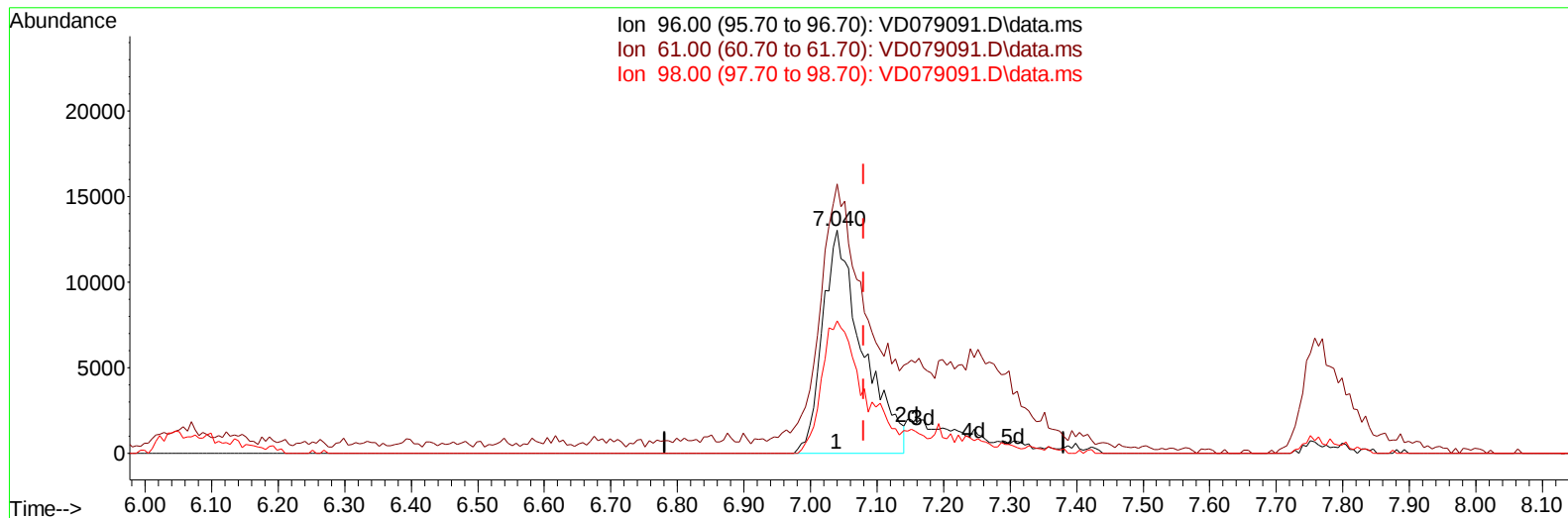
7.040min (-0.041) 5.82 ug/L

response 29677

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 103.70 | 120.74 |
| 98.00 | 62.50  | 59.34  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SoIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(20) cis-1,2-Dichloroethene (T)**

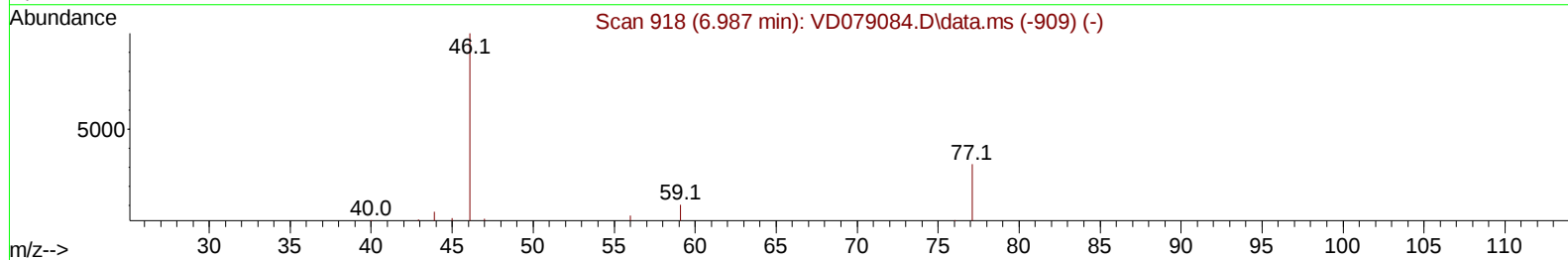
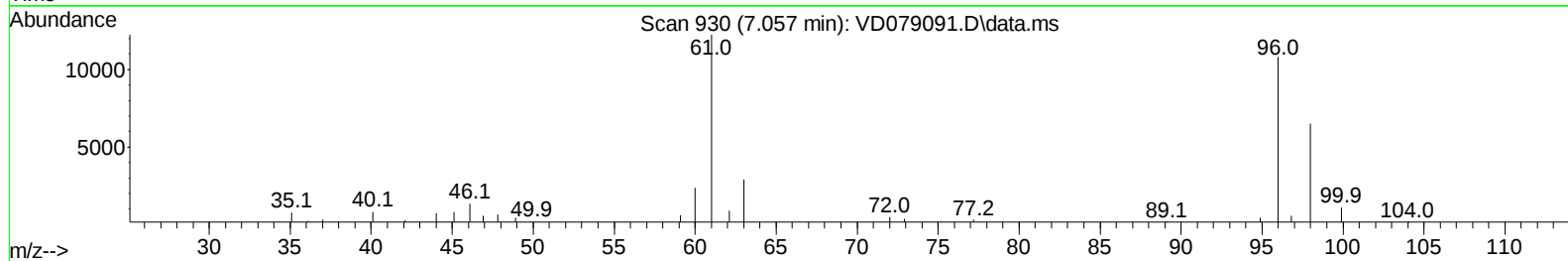
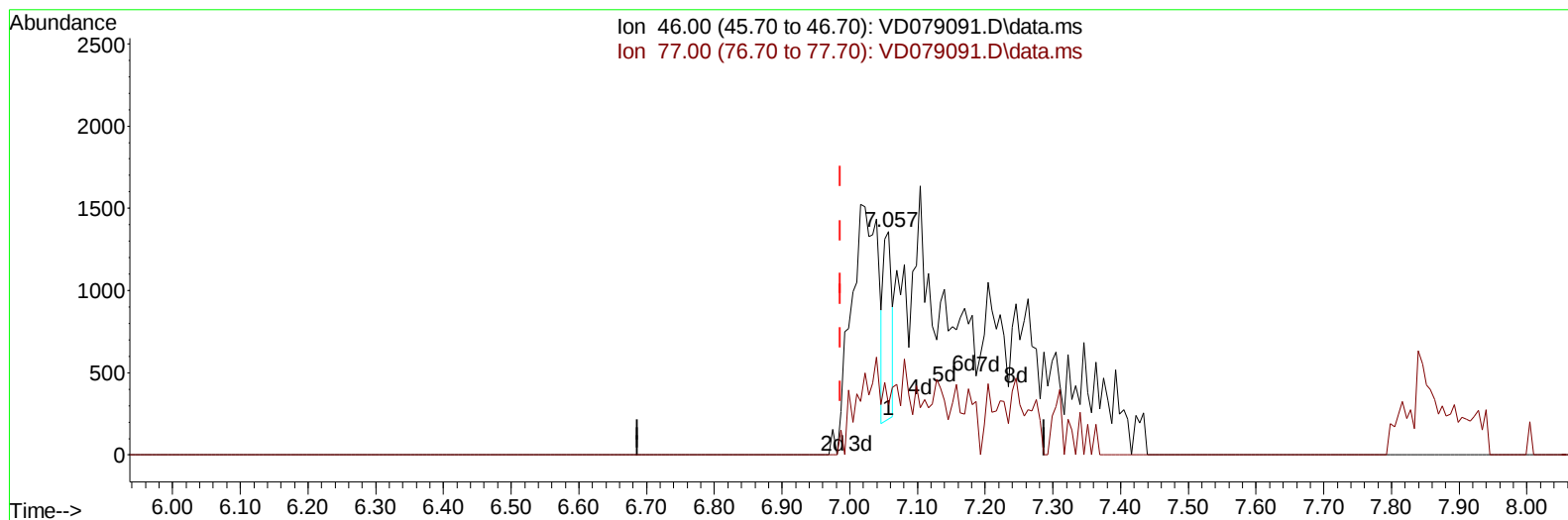
7.040min (-0.041) 10.62 ug/L m

response 54203

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 103.70 | 120.74 |
| 98.00 | 62.50  | 59.34  |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
 Acq On : 30 May 2024 12:57  
 Operator : RP/MD  
 Sample : P2586-07MSD  
 Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(21) 2-Butanone-d5 (S)**

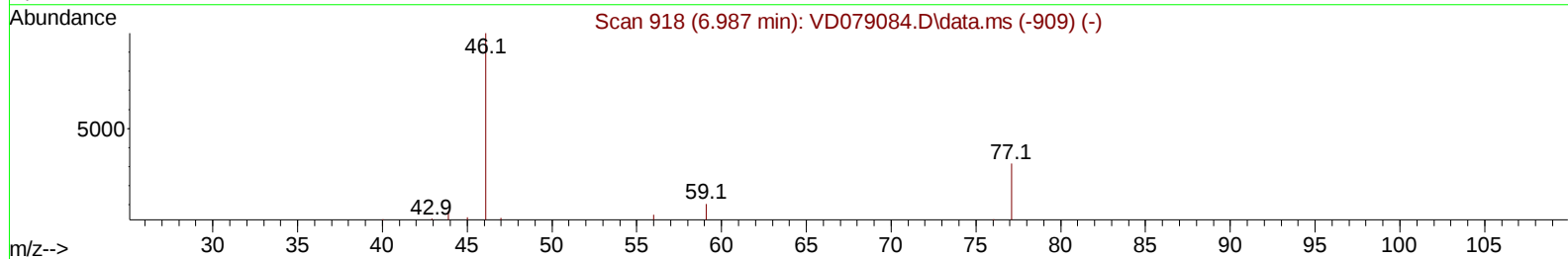
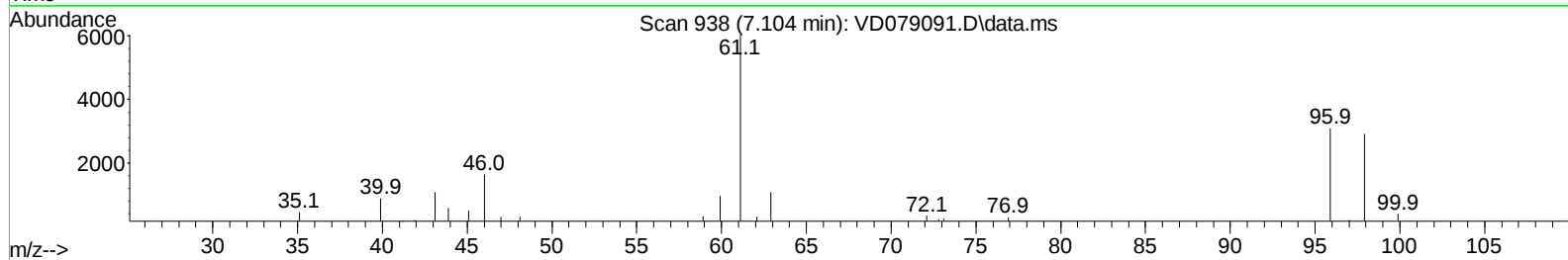
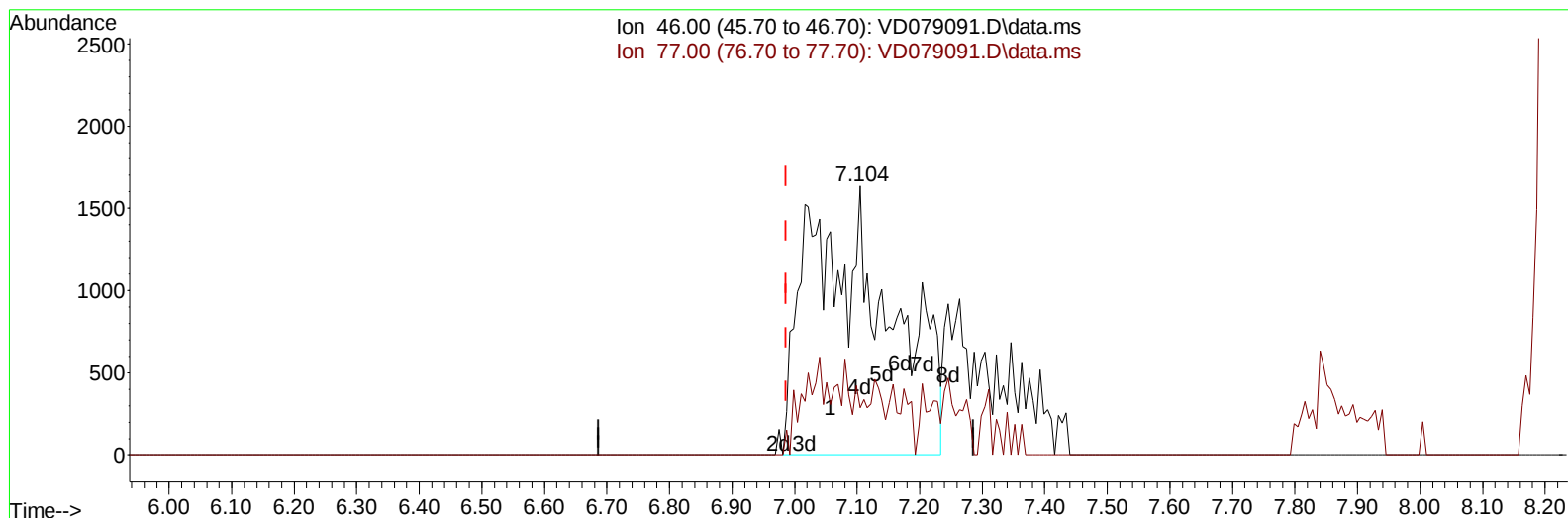
**7.057min (+ 0.071) 1.35 ug/L**

**response 1037**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 28.20  | 31.34  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(21) 2-Butanone-d5 (S)**

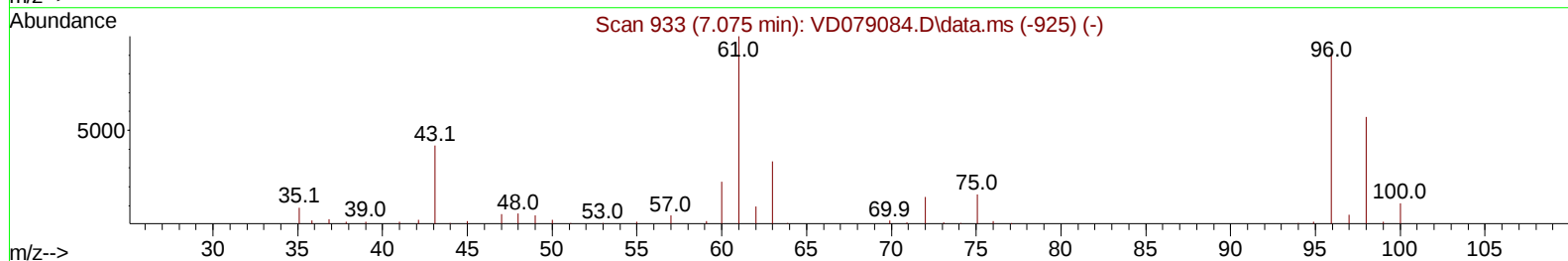
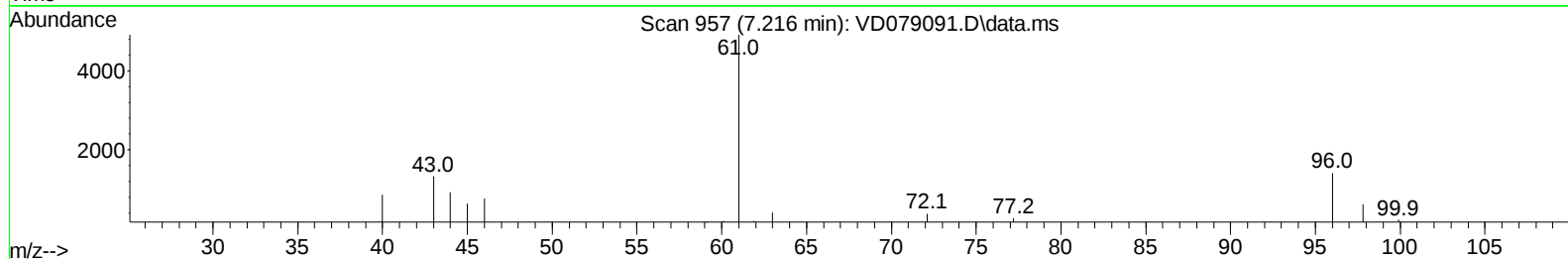
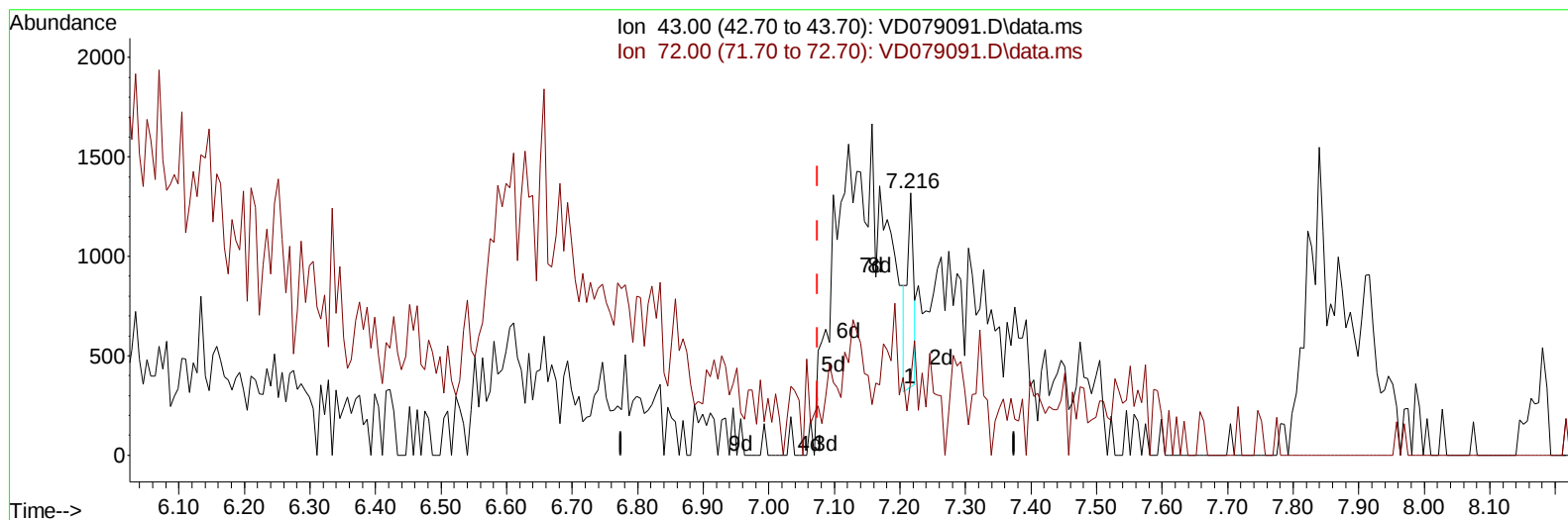
**7.104min (+ 0.118) 18.71 ug/L m**

**response 14420**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 28.20  | 2.25#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(22) 2-Butanone (T)**

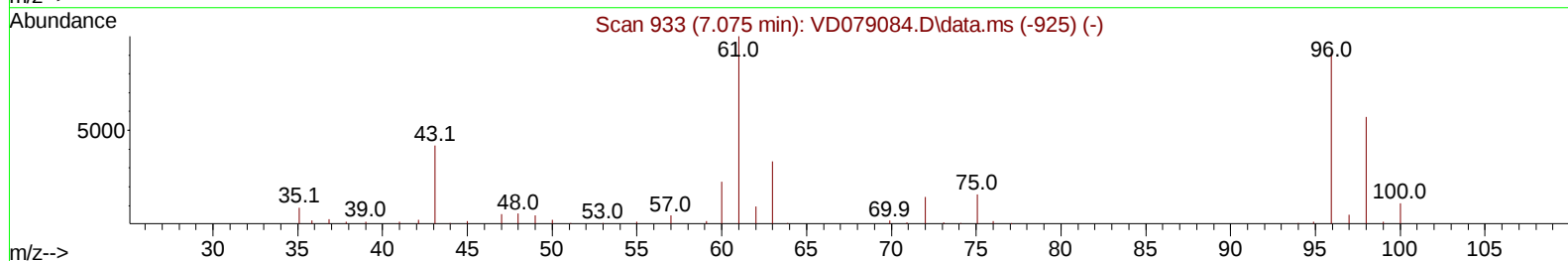
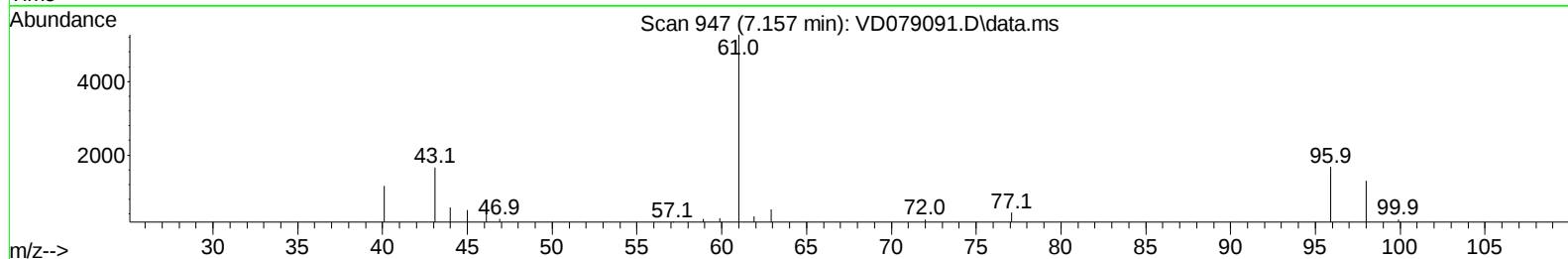
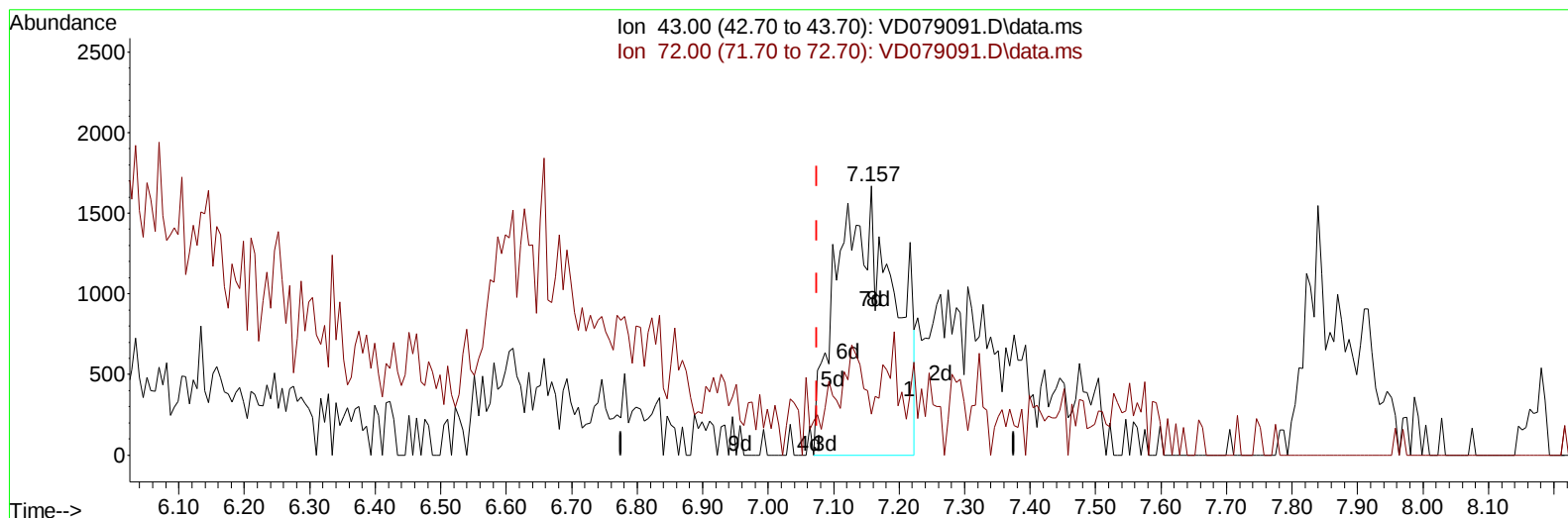
7.216min (+ 0.141) 0.58 ug/L

response 684

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 38.50  | 50.00  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(22) 2-Butanone (T)**

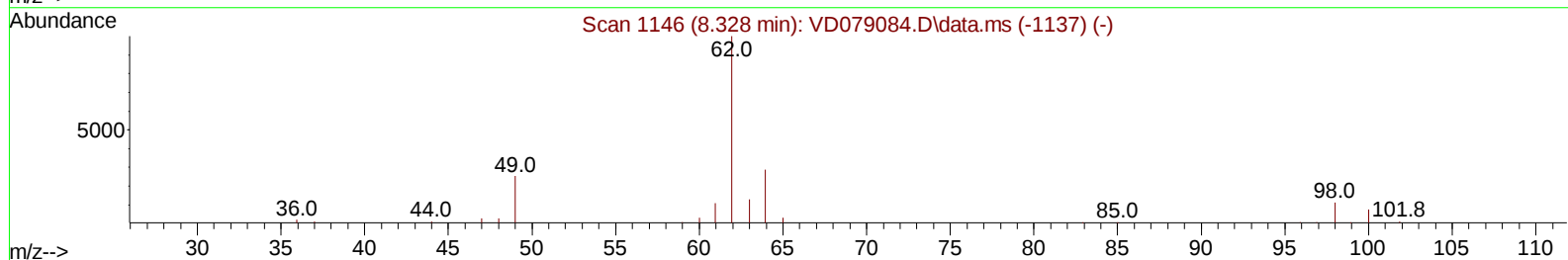
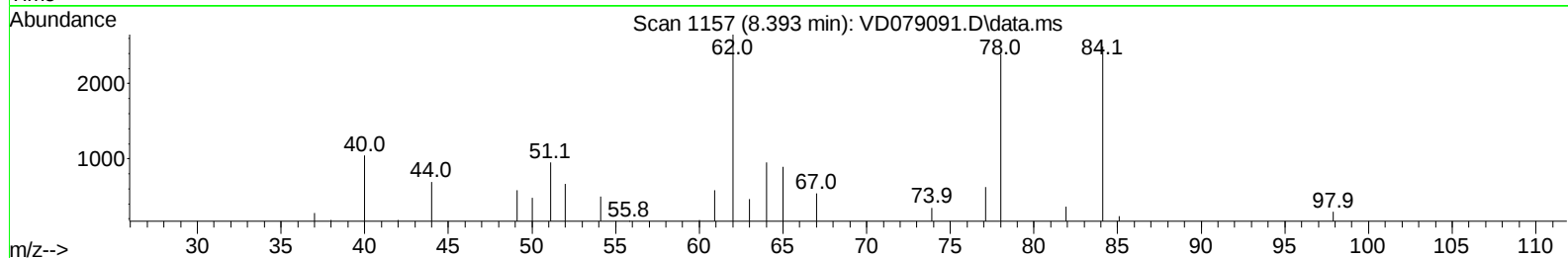
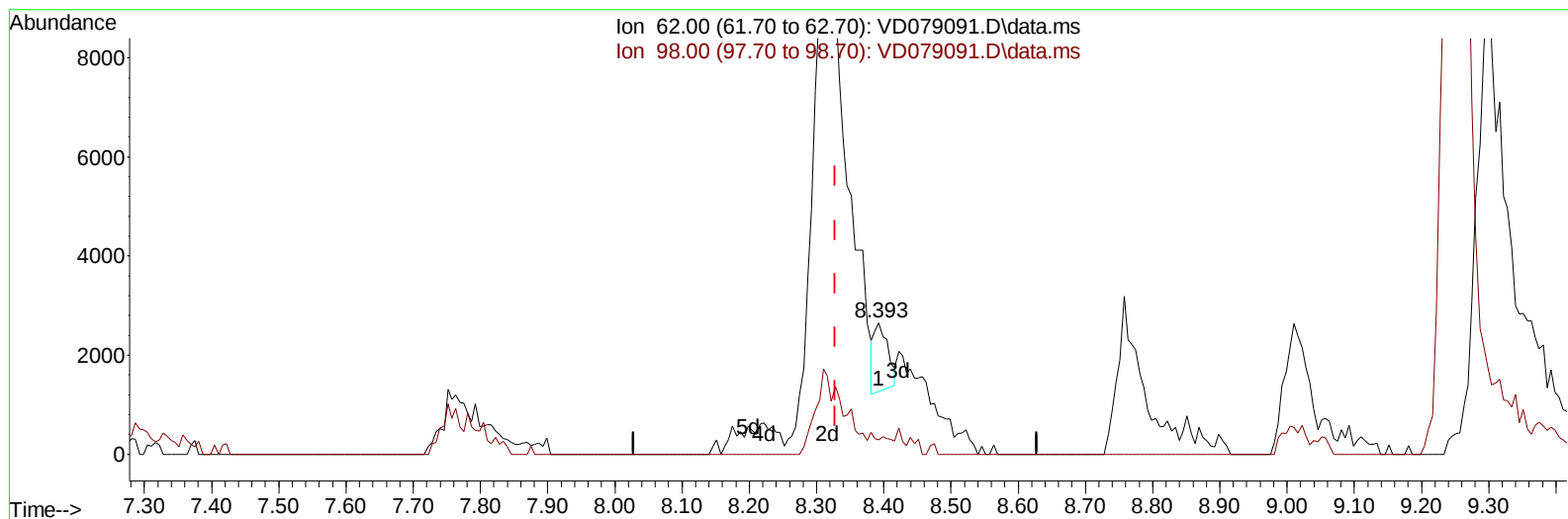
7.157min (+ 0.082) 8.52 ug/L m

response 9983

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 38.50  | 3.43#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(27) 1,2-Dichloroethane (T)**

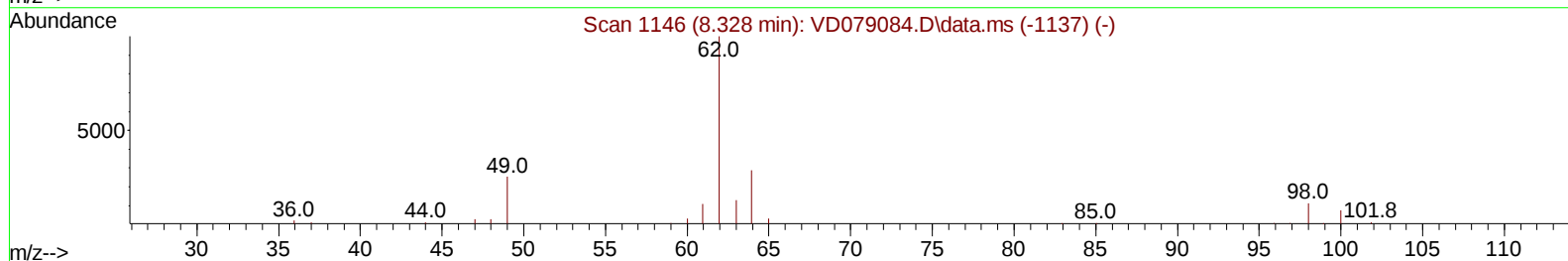
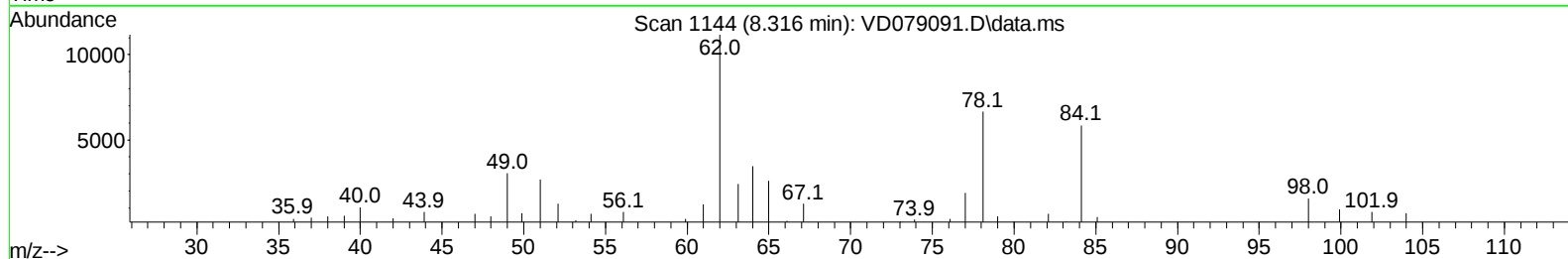
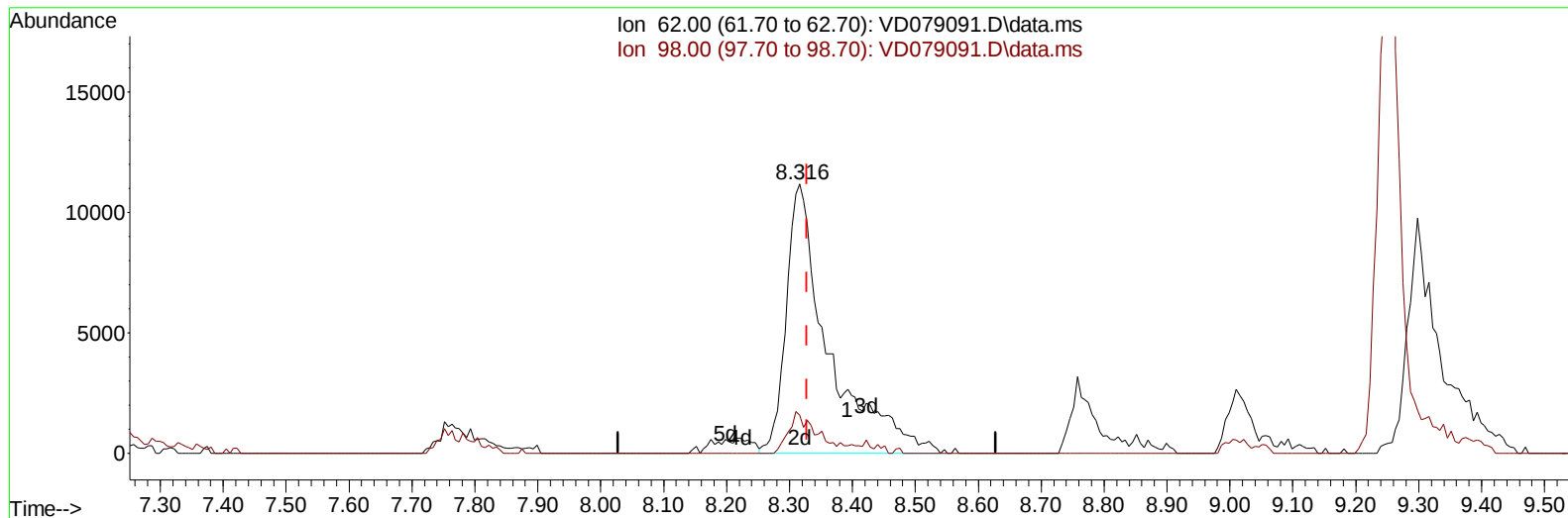
8.393min (+ 0.065) 0.38 ug/L

response 1991

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 10.30  | 11.09  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



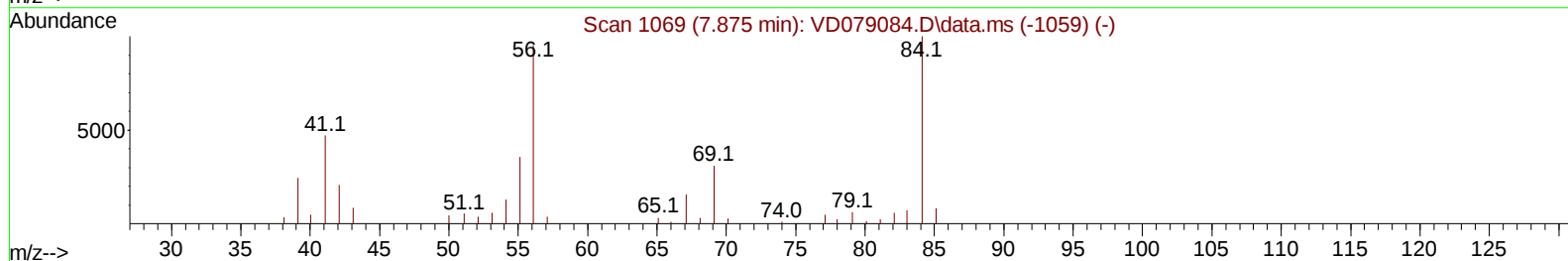
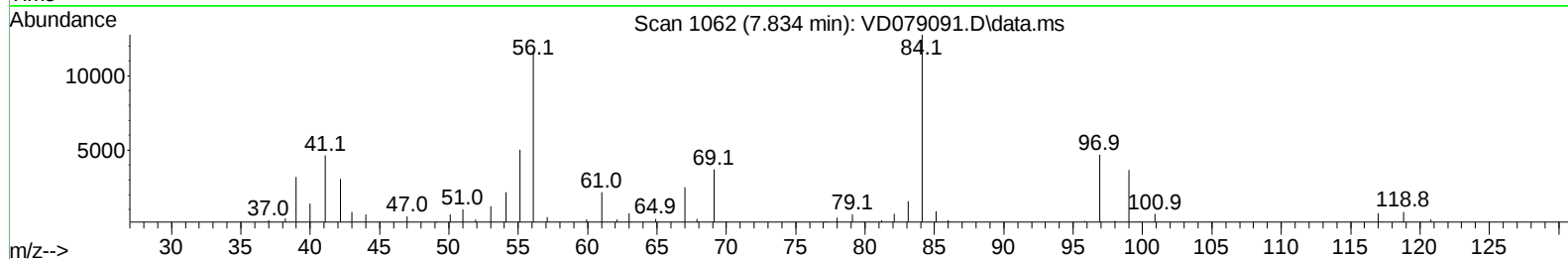
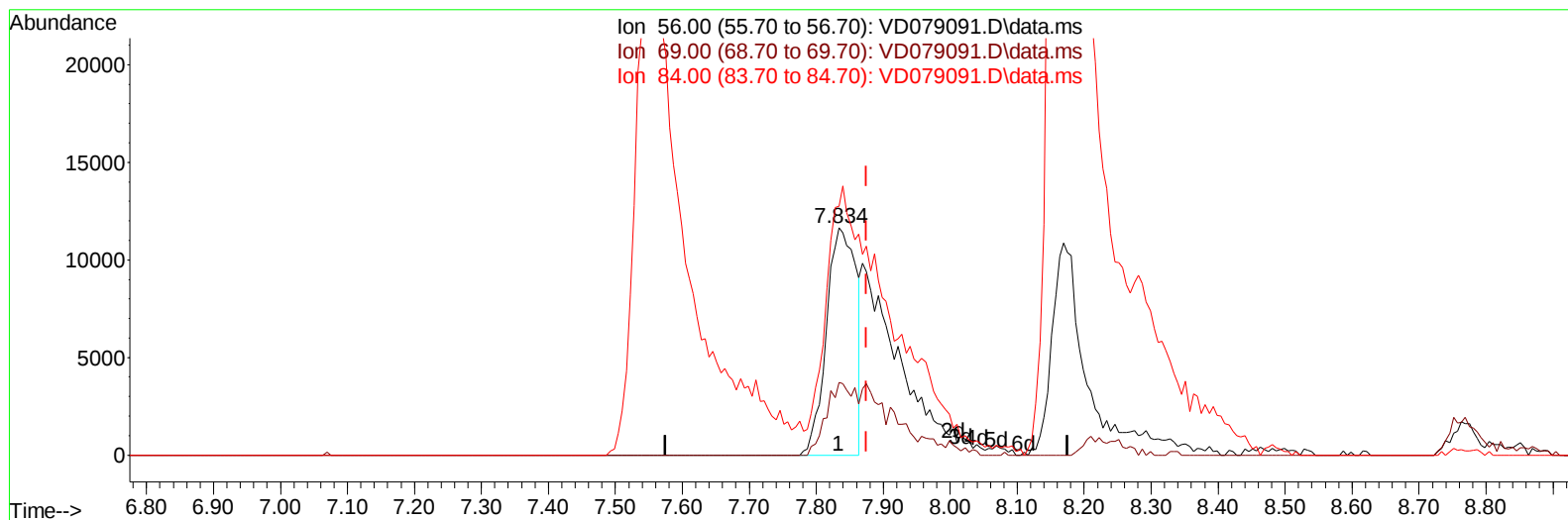
TIC: VD079091.D\data.ms

**(27) 1,2-Dichloroethane (T)****8.316min (-0.012) 10.00 ug/L m****response 51979**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 62.00 | 100.00 | 100.00 |
| 98.00 | 10.30  | 14.10# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(29) Cyclohexane (T)**

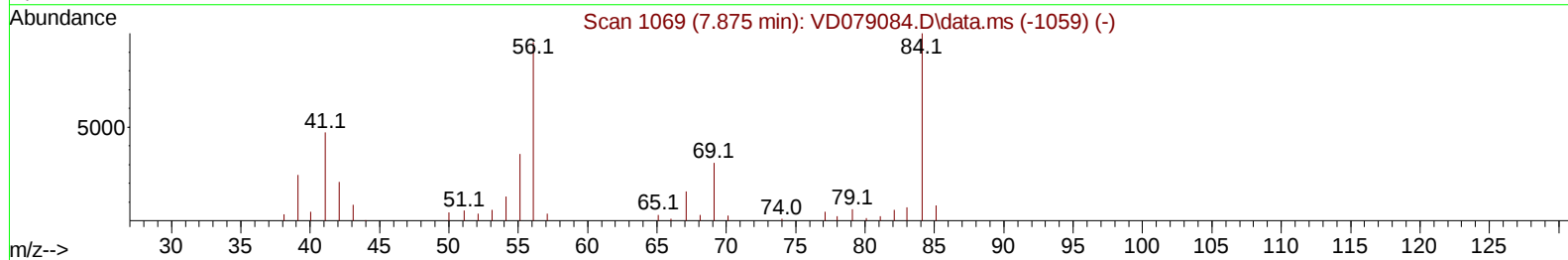
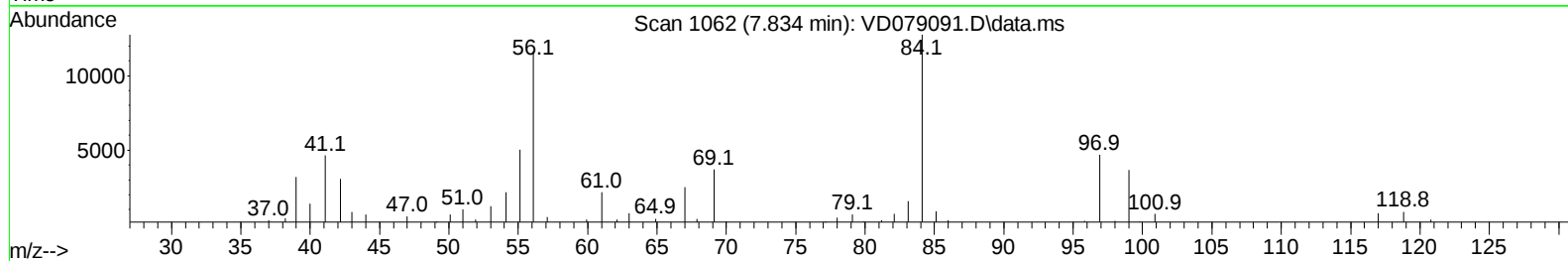
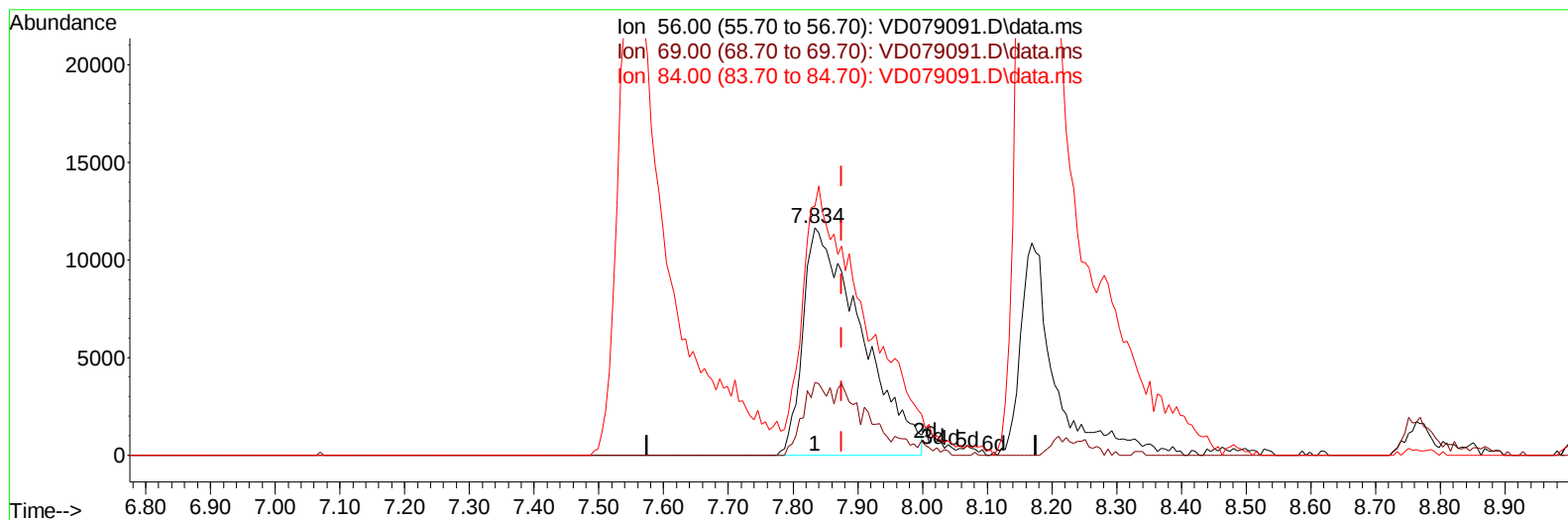
7.834min (-0.041) 7.90 ug/L

response 35629

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00  |
| 69.00 | 33.30  | 25.52#  |
| 84.00 | 109.40 | 171.03# |
| 0.00  | 0.00   | 0.00    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(29) Cyclohexane (T)**

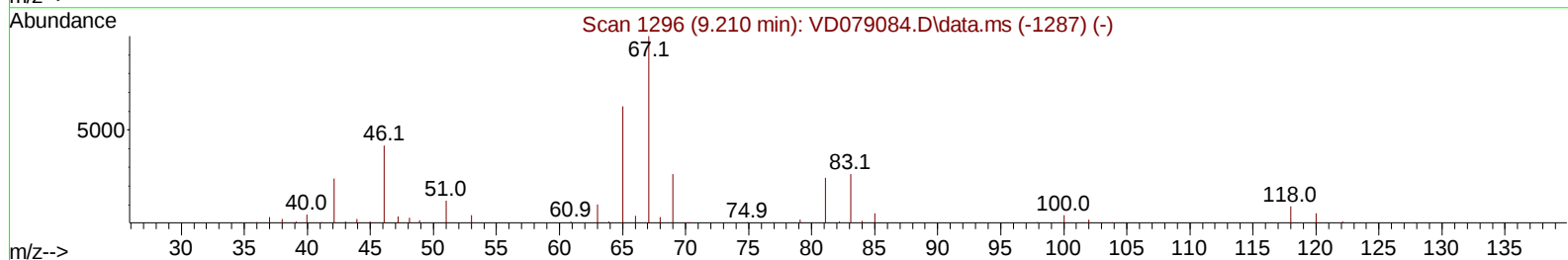
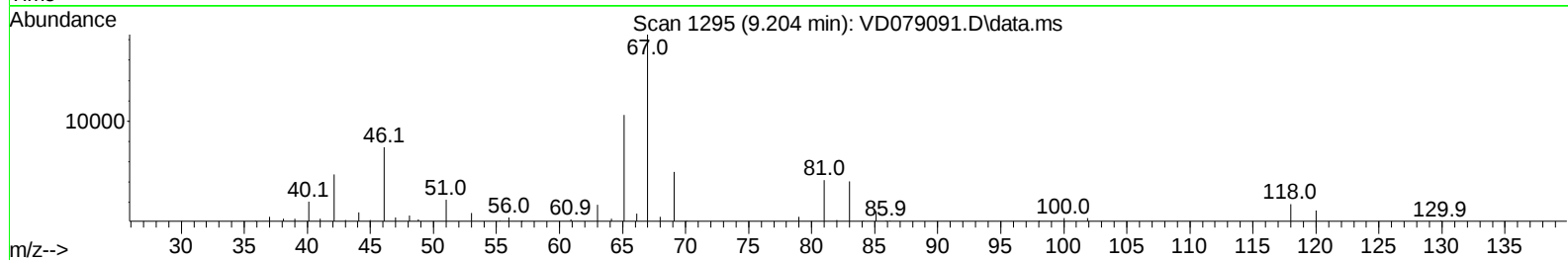
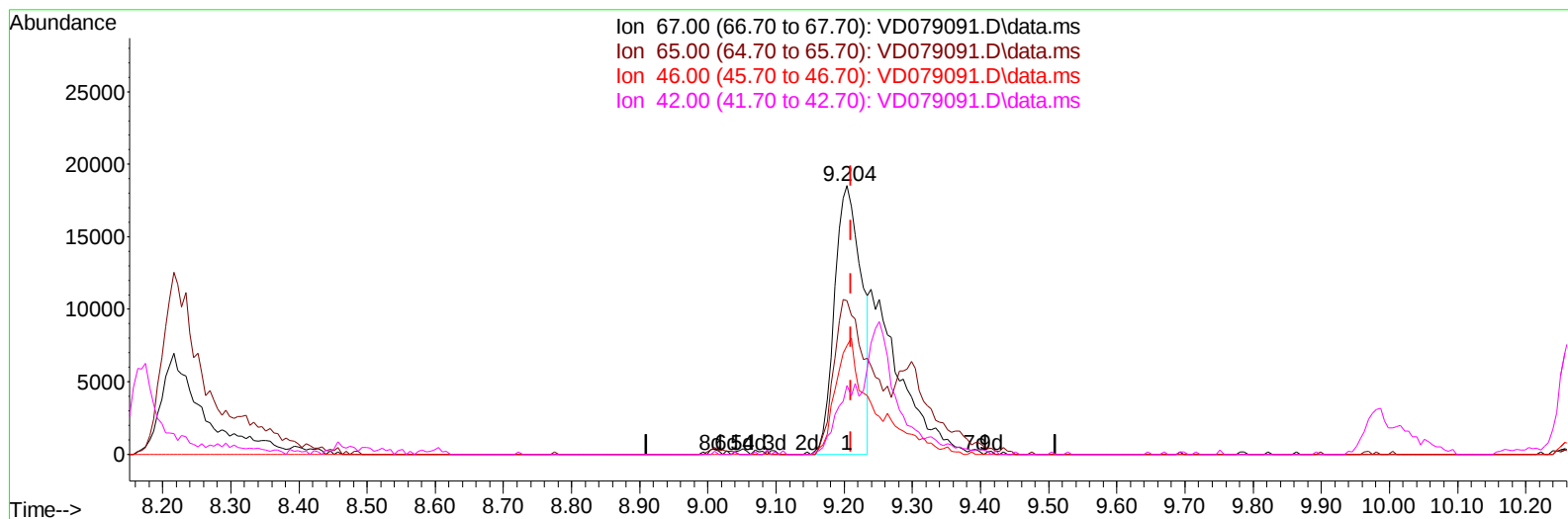
7.834min (-0.041) 16.17 ug/L m

response 72881

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 56.00 | 100.00 | 100.00 |
| 69.00 | 33.30  | 12.48# |
| 84.00 | 109.40 | 83.61# |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(36) 1,2-Dichloropropane-d6 (S)**

9.204min (-0.006) 12.73 ug/L

response 50781

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 65.00 | 61.00  | 79.95# |
| 46.00 | 38.30  | 47.38  |
| 42.00 | 24.40  | 21.55  |

Abundance

25000

20000

15000

10000

5000

0

Time-->

8.20 8.30 8.40 8.50 8.60 8.70 8.80 8.90 9.00 9.10 9.20 9.30 9.40 9.50 9.60 9.70 9.80 9.90 10.00 10.10 10.20 10.30

lon 67.00 (66.70 to 67.70): VD079091.D\data.ms

lon 65.00 (64.70 to 65.70): VD079091.D\data.ms

lon 46.00 (45.70 to 46.70): VD079091.D\data.ms

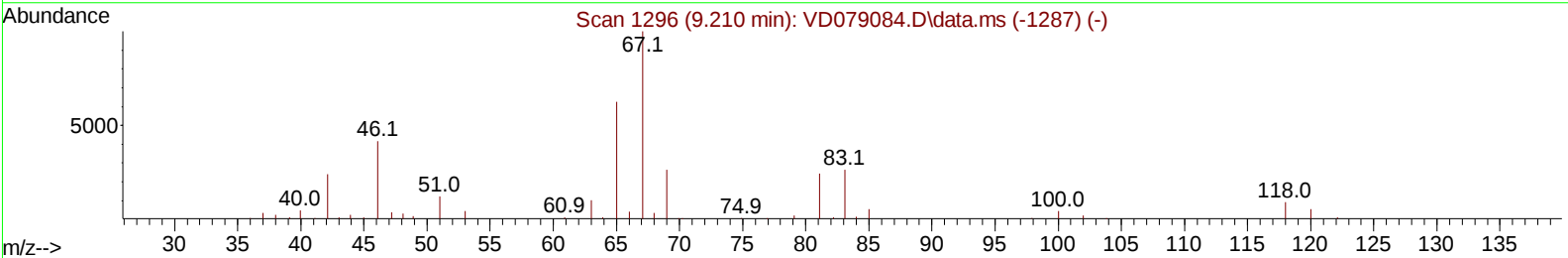
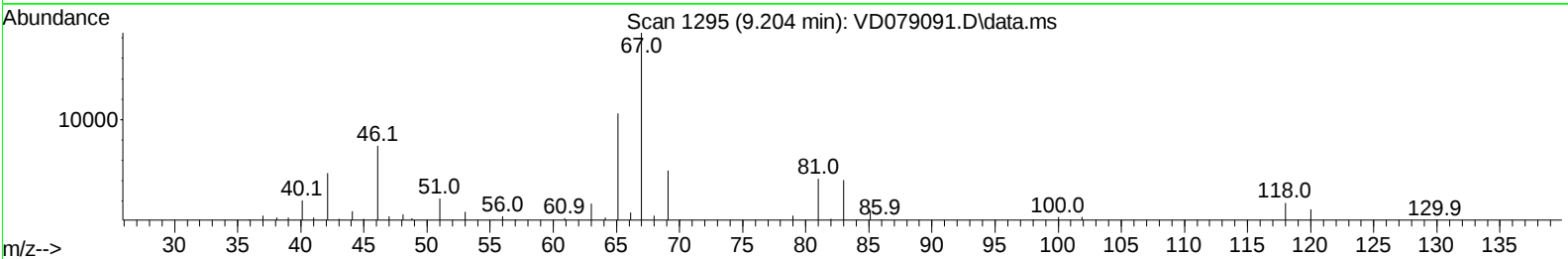
lon 42.00 (41.70 to 42.70): VD079091.D\data.ms

9.204

8.654

8.820

9.799



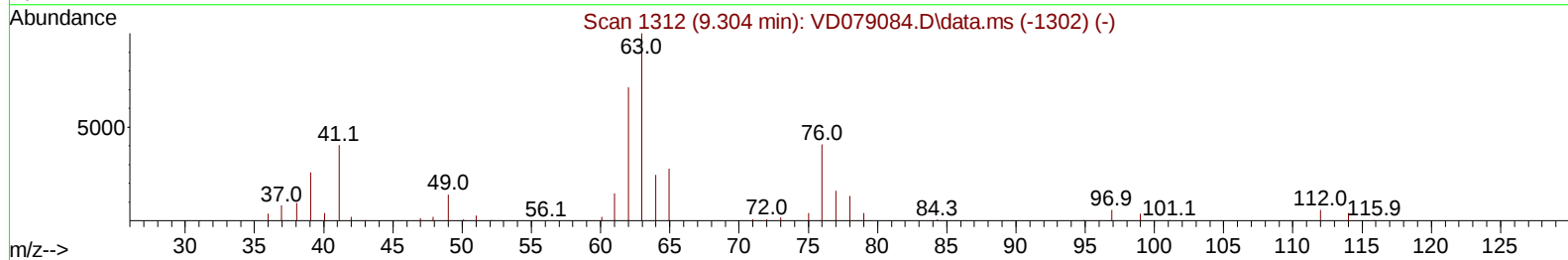
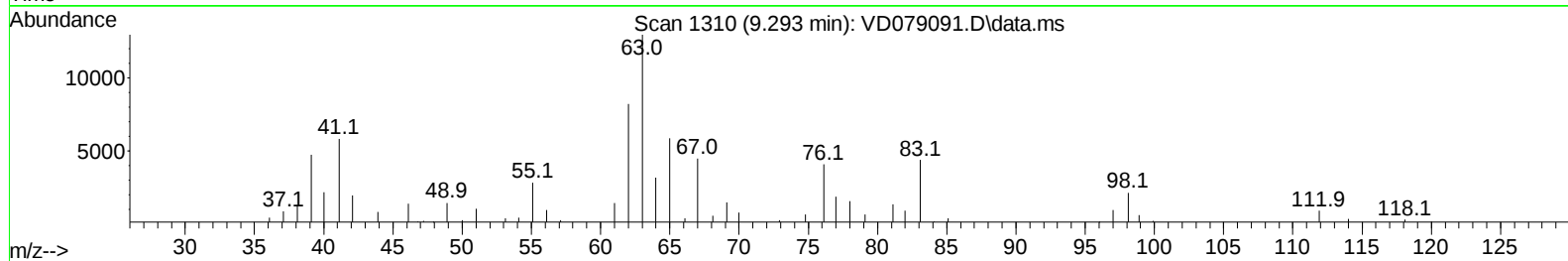
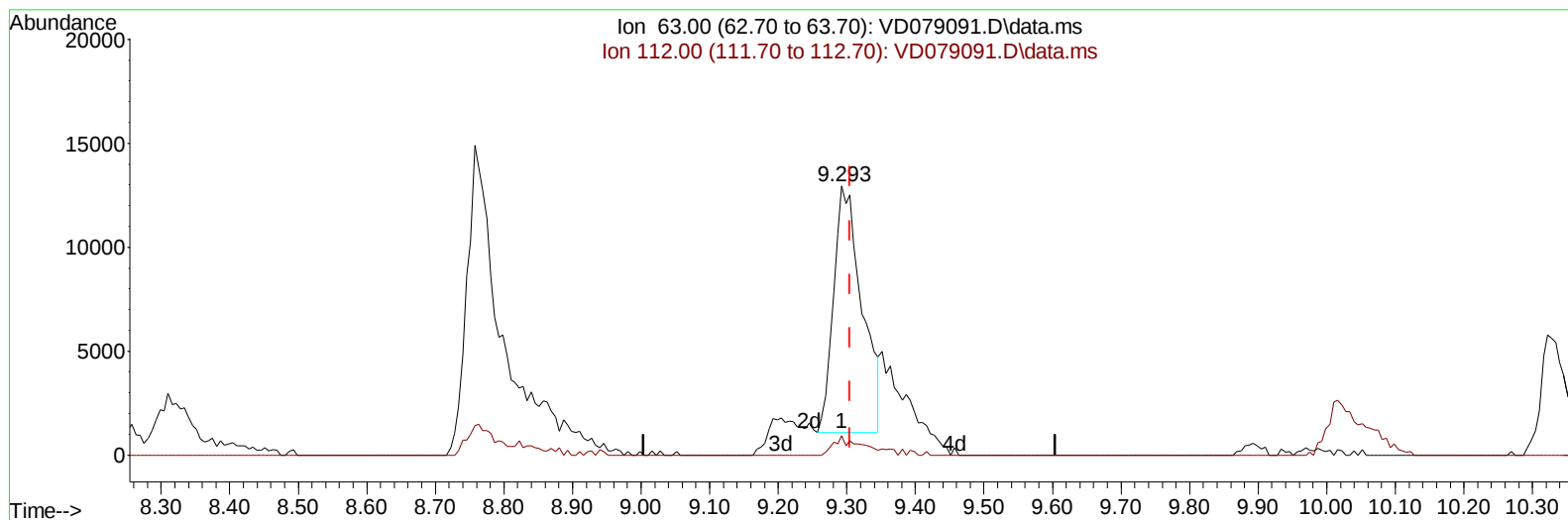
TIC: VD079091.D\data.ms

**response**      **86640**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 67.00 | 100.00 | 100.00 |
| 65.00 | 61.00  | 46.86  |
| 46.00 | 38.30  | 27.77  |
| 42.00 | 24.40  | 12.63  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(37) 1,2-Dichloropropane (T)**

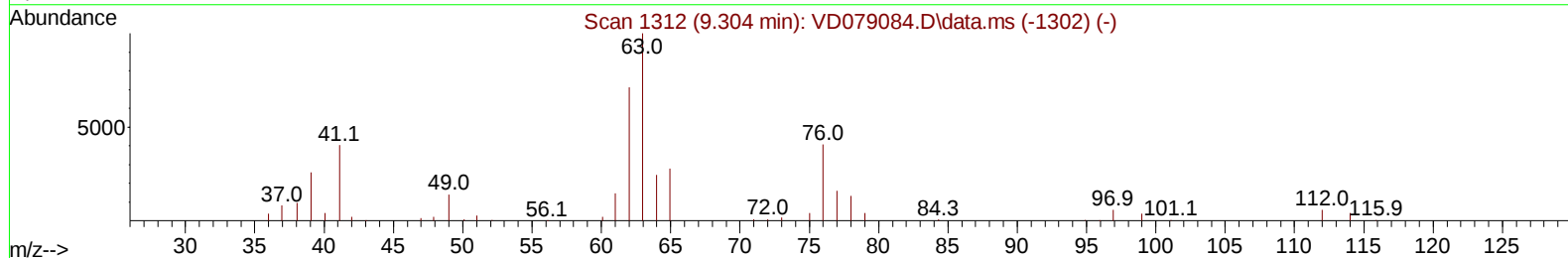
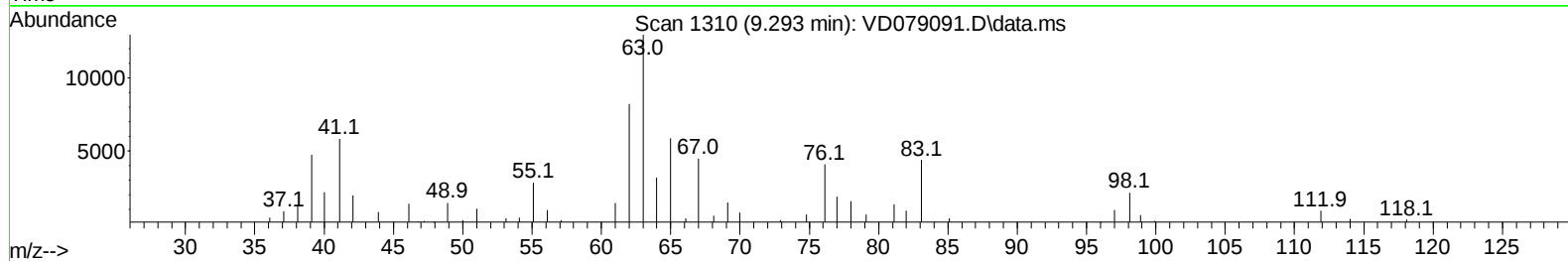
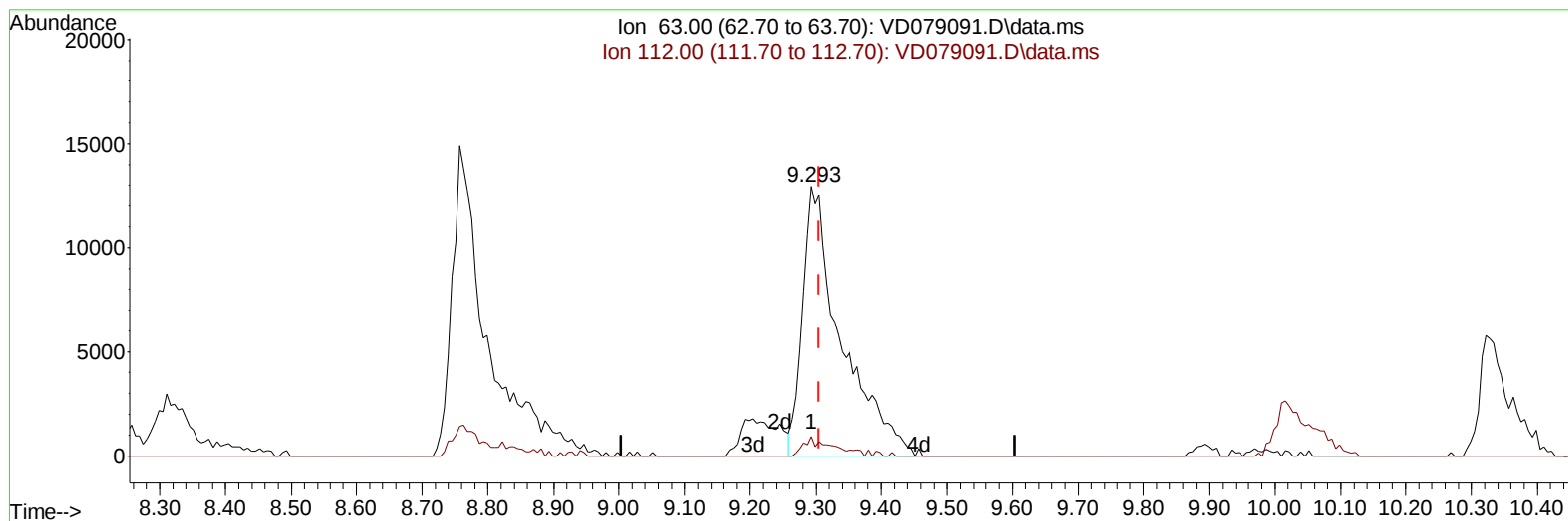
9.293min (-0.012) 9.36 ug/L

response 34118

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 63.00  | 100.00 | 100.00 |
| 112.00 | 4.90   | 3.16#  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(37) 1,2-Dichloropropane (T)**

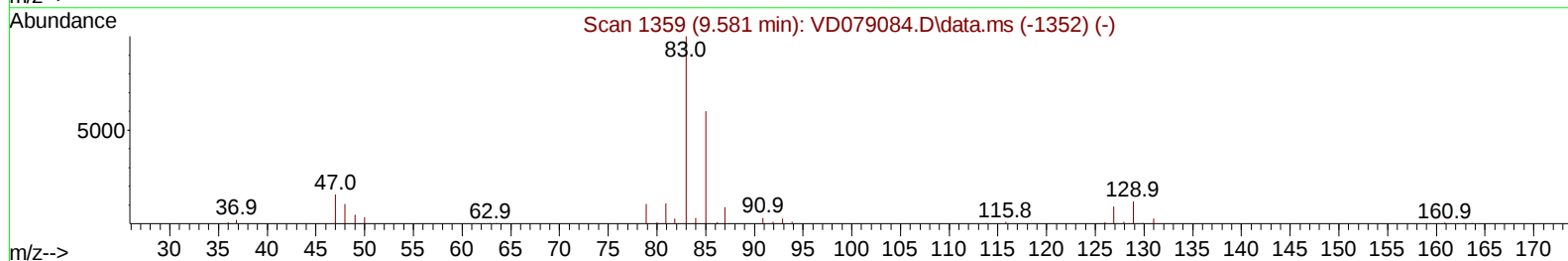
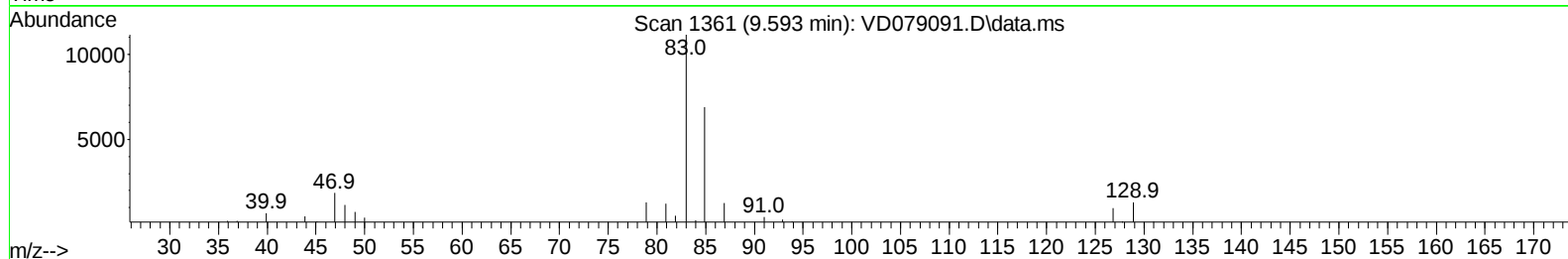
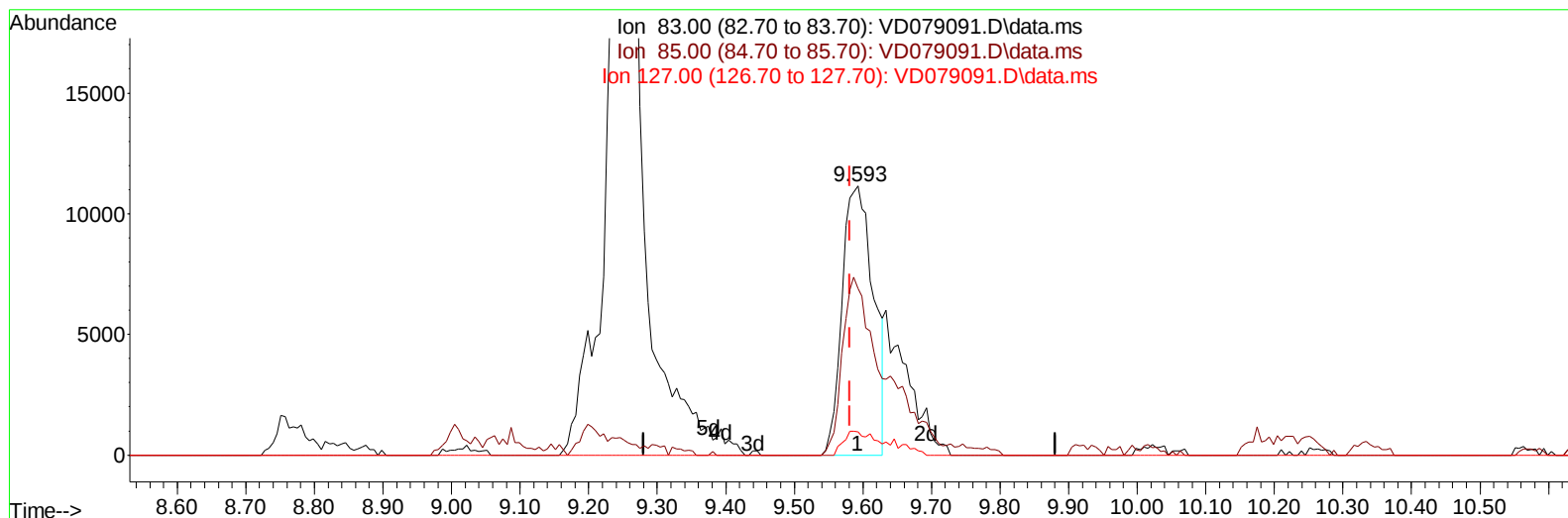
9.293min (-0.012) 14.60 ug/L m

response 53207

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 63.00  | 100.00 | 100.00 |
| 112.00 | 4.90   | 2.02#  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(38) Bromodichloromethane (T)**

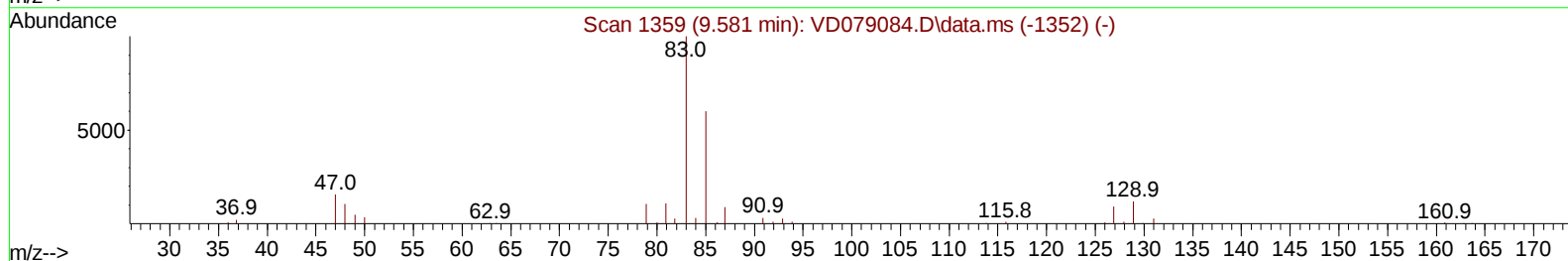
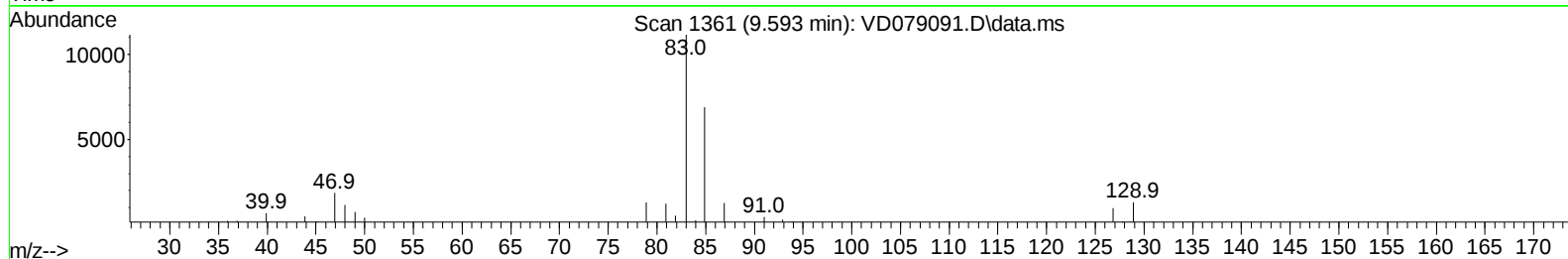
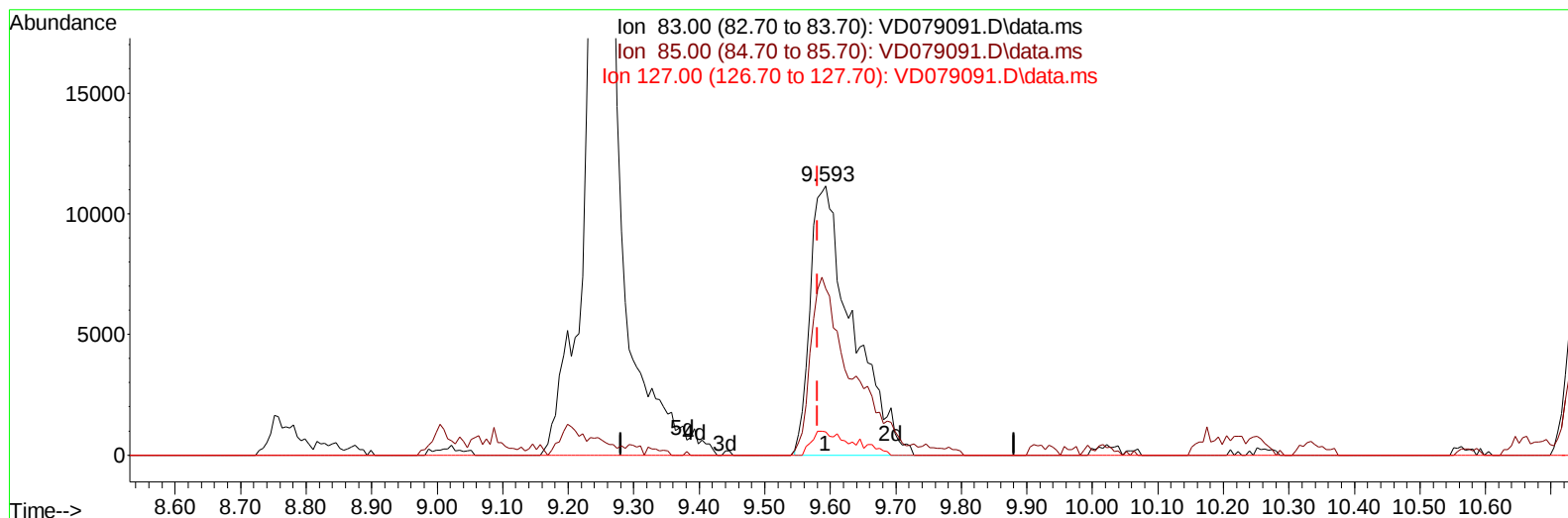
**9.593min (+ 0.012) 6.98 ug/L**

**response 35387**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 83.00  | 100.00 | 100.00 |
| 85.00  | 66.50  | 61.96  |
| 127.00 | 8.80   | 10.02  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(38) Bromodichloromethane (T)**

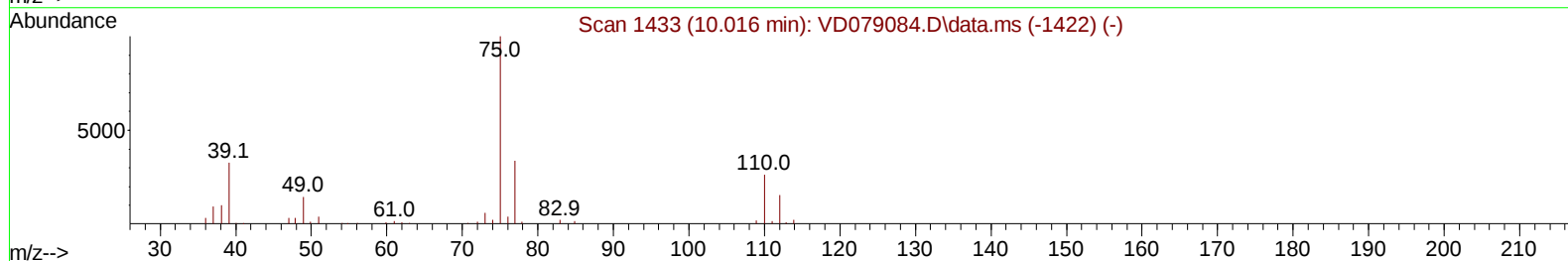
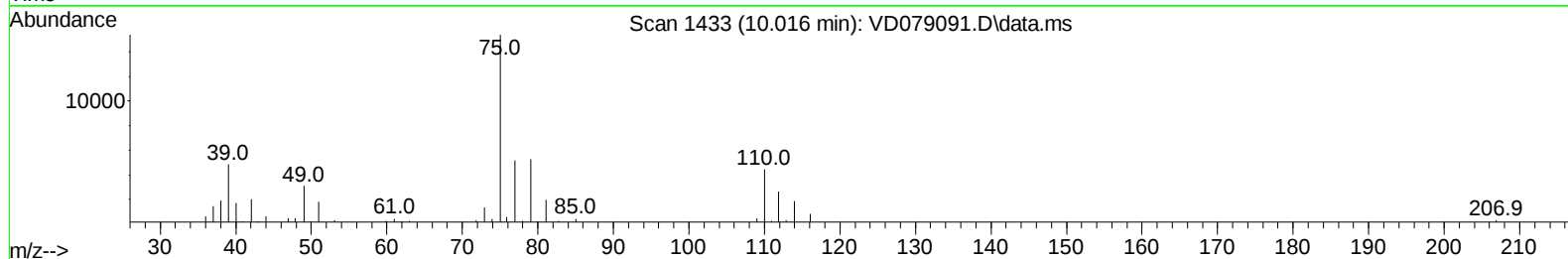
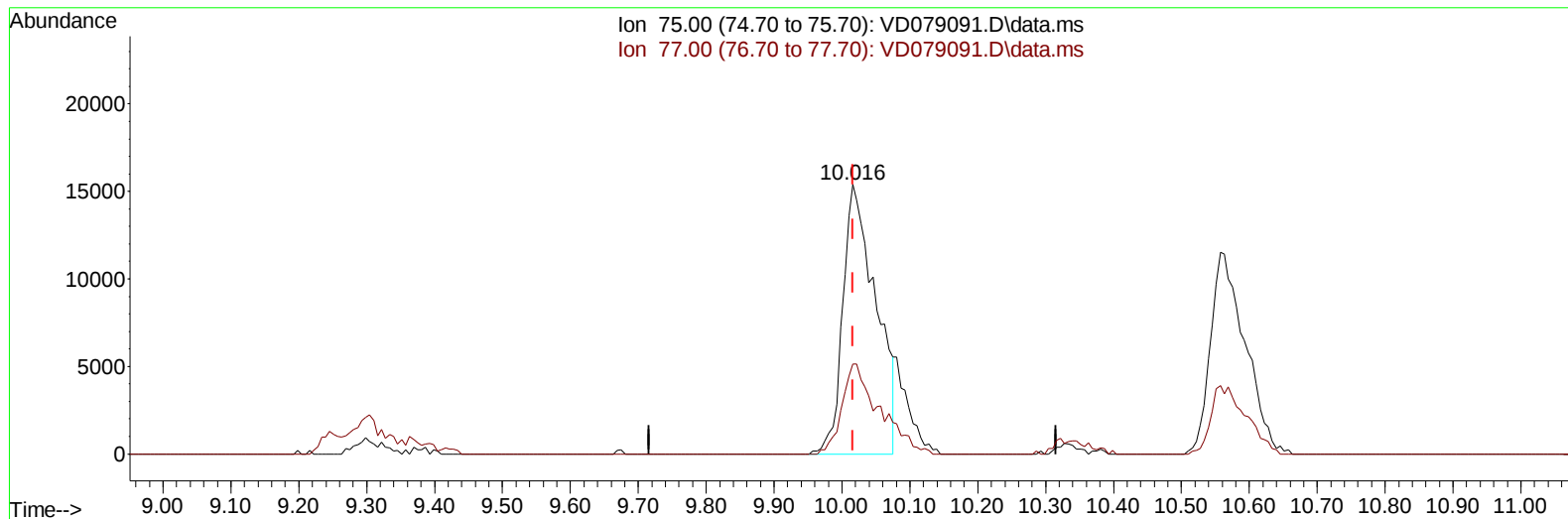
9.593min (+ 0.012) 9.77 ug/L m

response 49482

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 83.00  | 100.00 | 100.00 |
| 85.00  | 66.50  | 61.96  |
| 127.00 | 8.80   | 8.66   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(39) cis-1,3-Dichloropropene (T)**

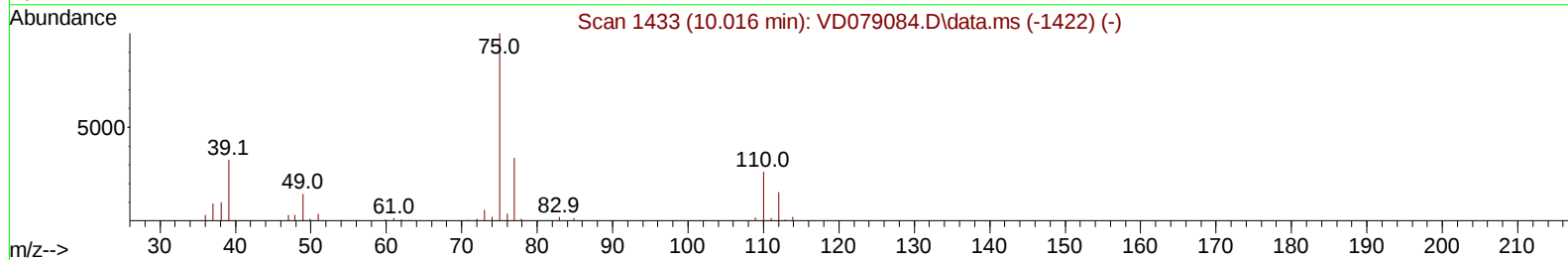
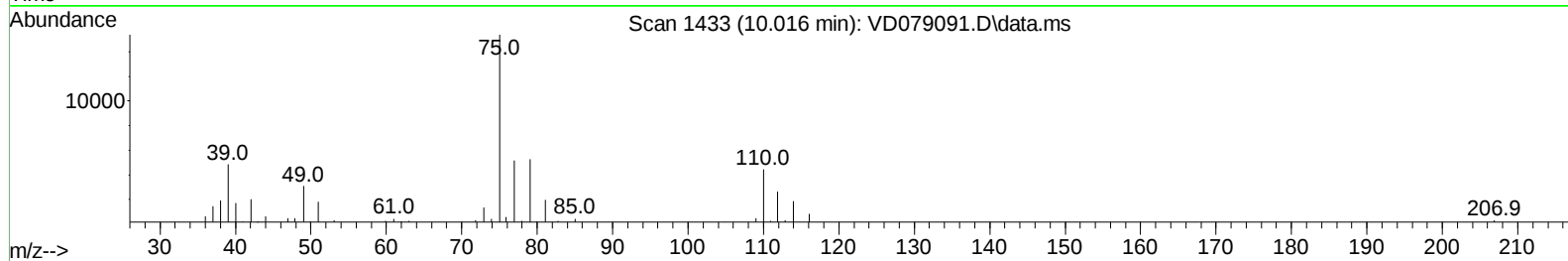
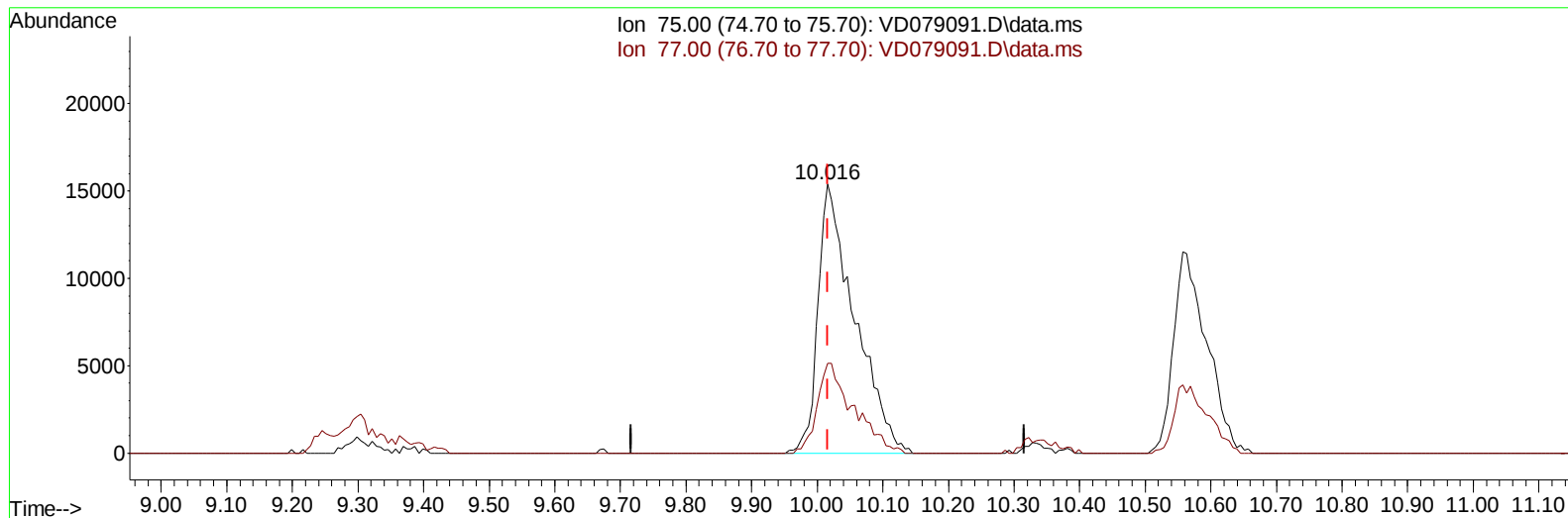
**10.016min (-0.000) 9.15 ug/L**

**response 52075**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 75.00 | 100.00 | 100.00 |
| 77.00 | 33.40  | 33.47  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(39) cis-1,3-Dichloropropene (T)**

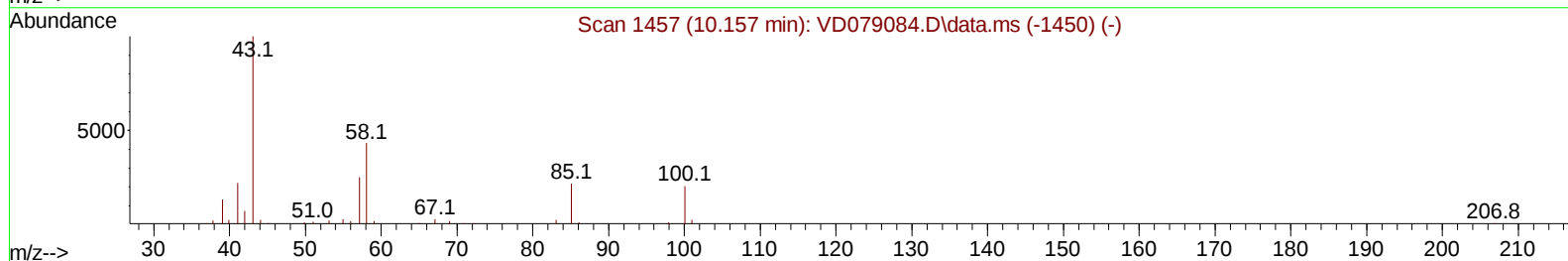
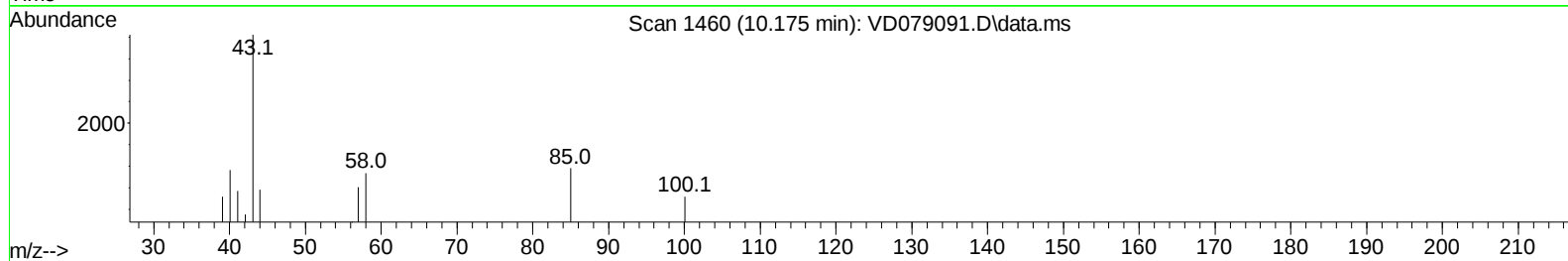
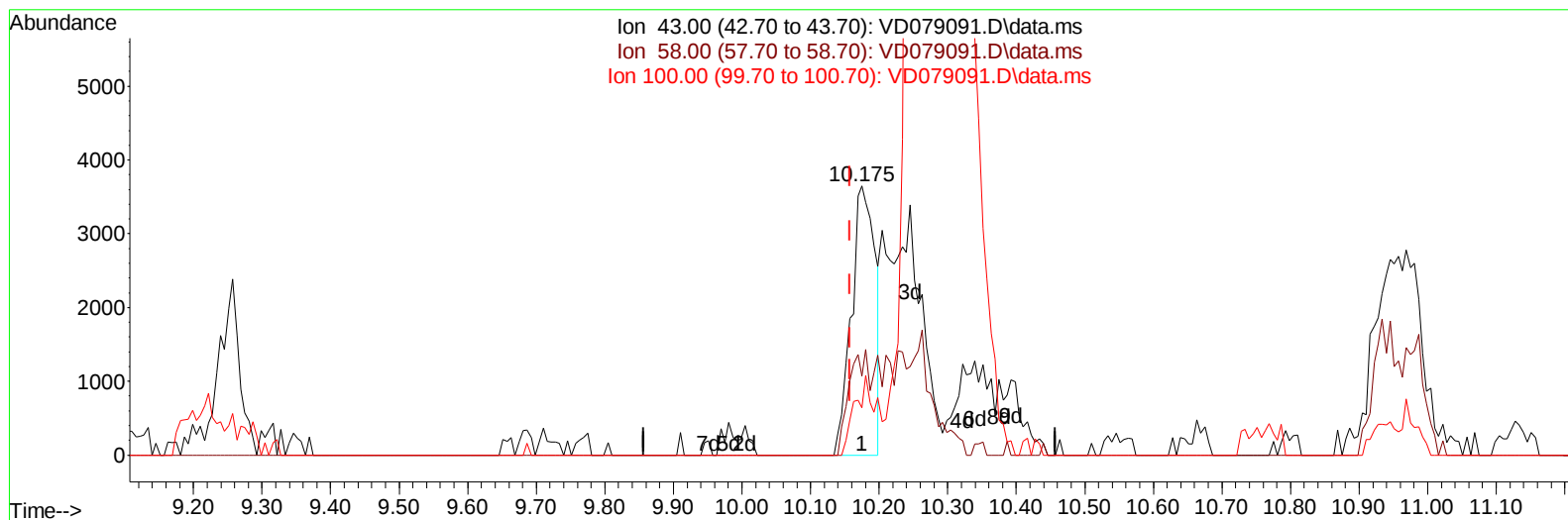
**10.016min (-0.000) 10.49 ug/L m**

**response 59665**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 75.00 | 100.00 | 100.00 |
| 77.00 | 33.40  | 33.47  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

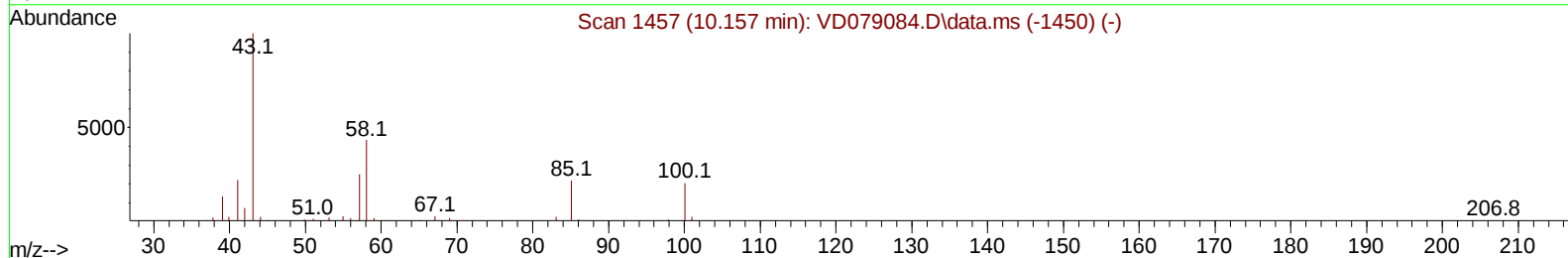
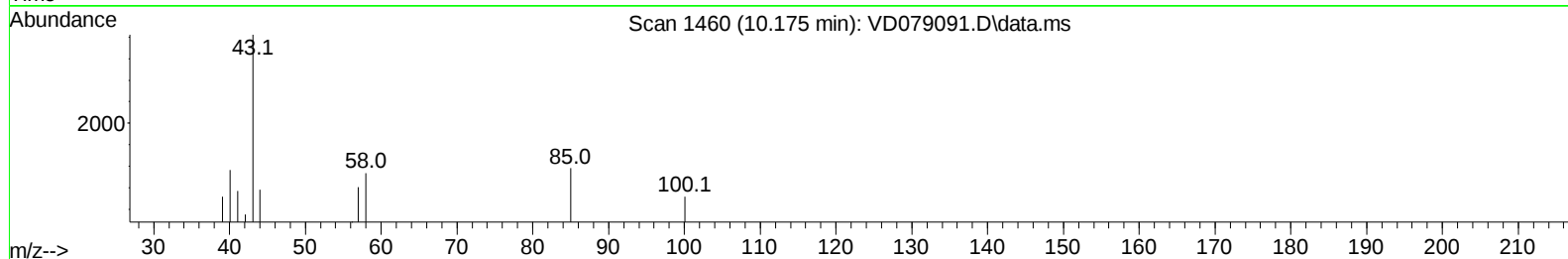
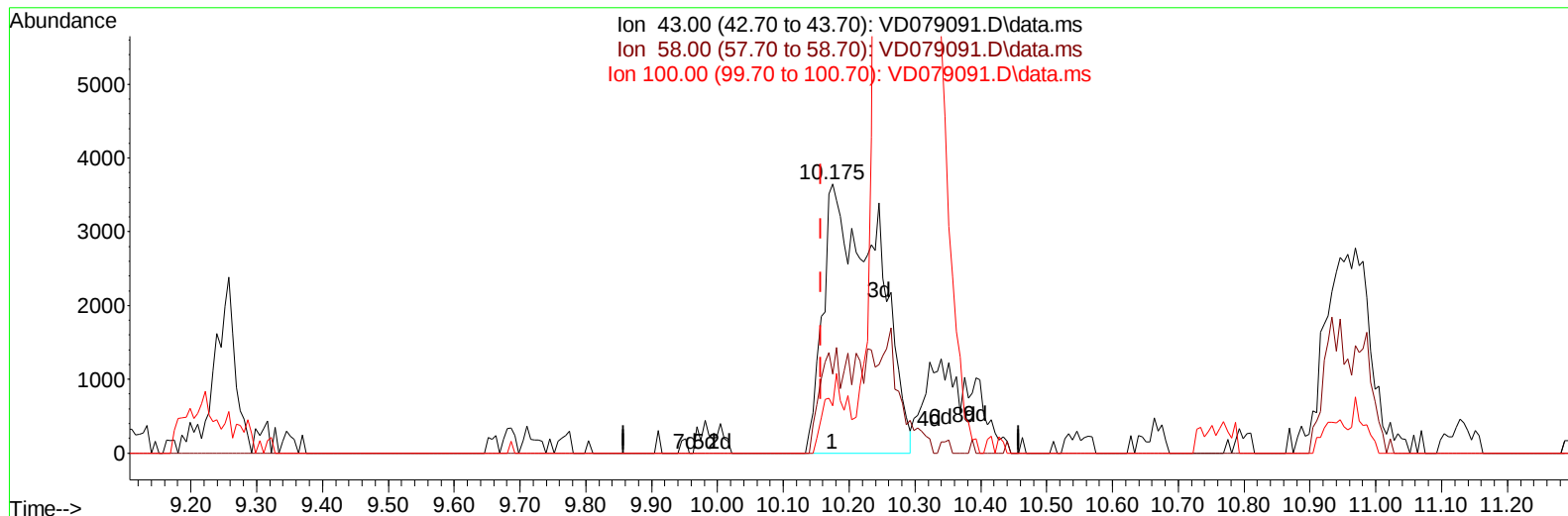
**(40) 4-Methyl-2-pentanone (T)**

**10.175min (+ 0.018) 5.81 ug/L**

**response 8835**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 43.00  | 100.00 | 100.00 |
| 58.00  | 42.50  | 0.00#  |
| 100.00 | 21.10  | 9.21#  |
| 0.00   | 0.00   | 0.00   |

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(40) 4-Methyl-2-pentanone (T)

10.175min (+ 0.018) 13.54 ug/L m

**response**      **20598**

| Ion | Exp% | Act% |
|-----|------|------|
|-----|------|------|

|       |        |        |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
|-------|--------|--------|

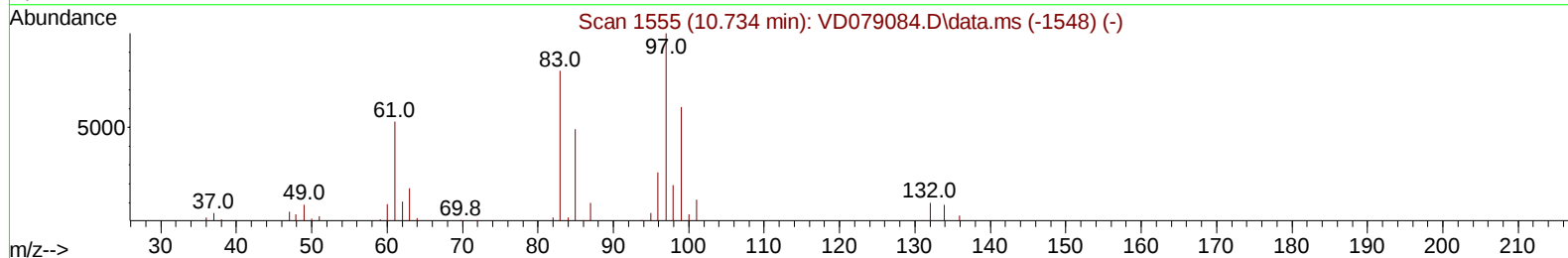
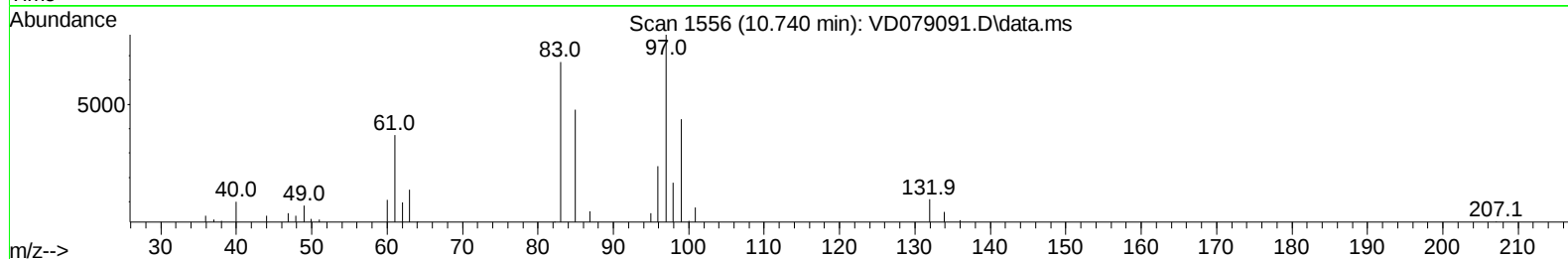
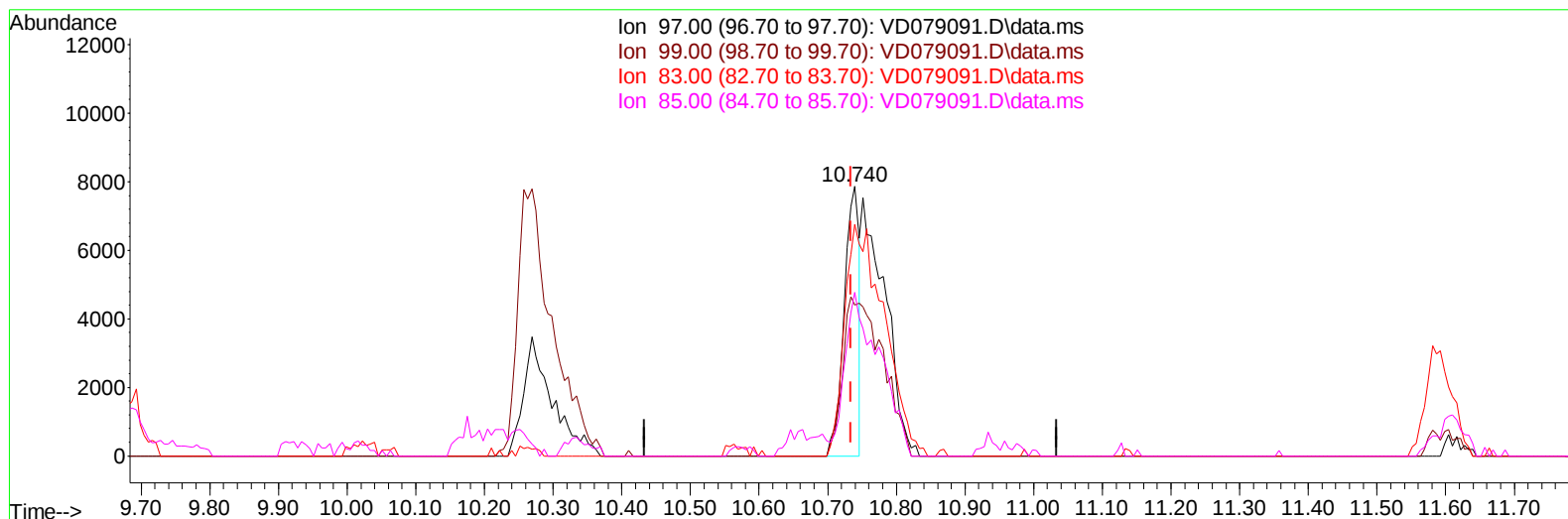
58.00                      42.50                      0.00#

100.00                      21.10                      3.95#

0.00                      0.00                      0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



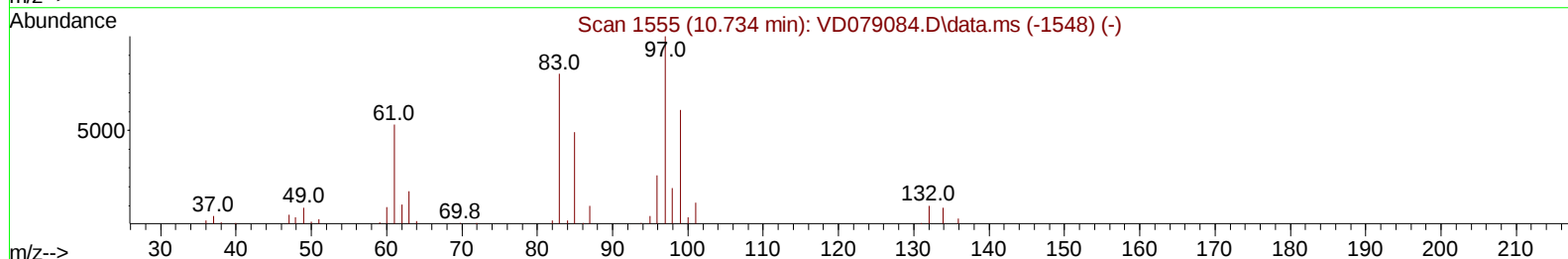
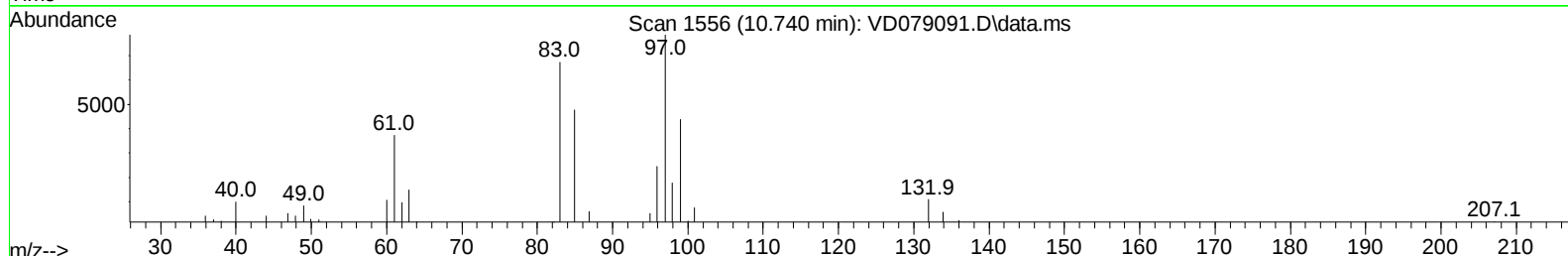
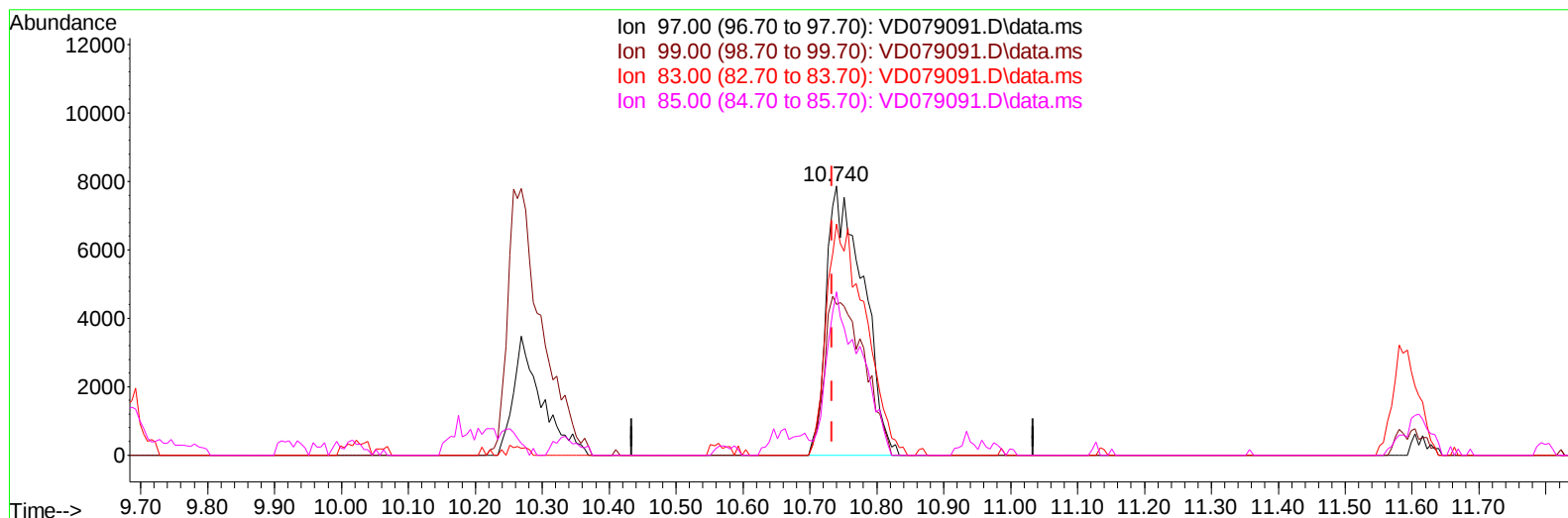
TIC: VD079091.D\data.ms

**(45) 1,1,2-Trichloroethane (T)****10.740min (+ 0.006) 3.76 ug/L****response 12026**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 61.40  | 55.90  |
| 83.00 | 84.20  | 85.83  |
| 85.00 | 53.20  | 60.80  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



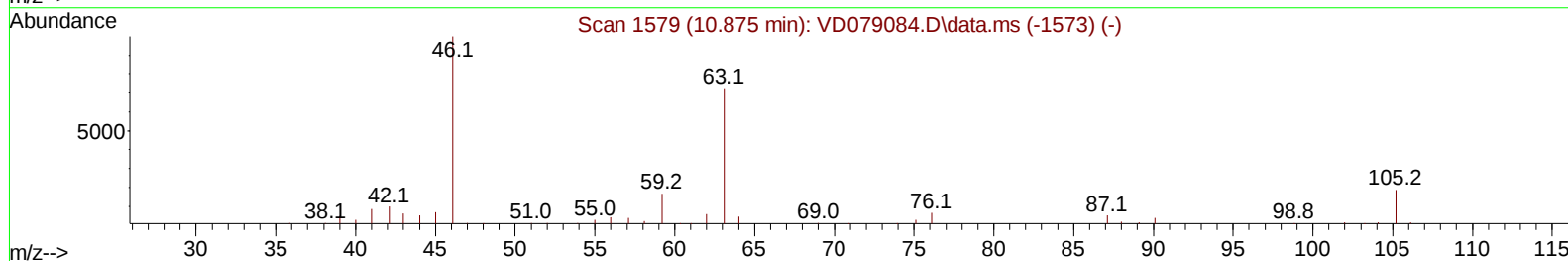
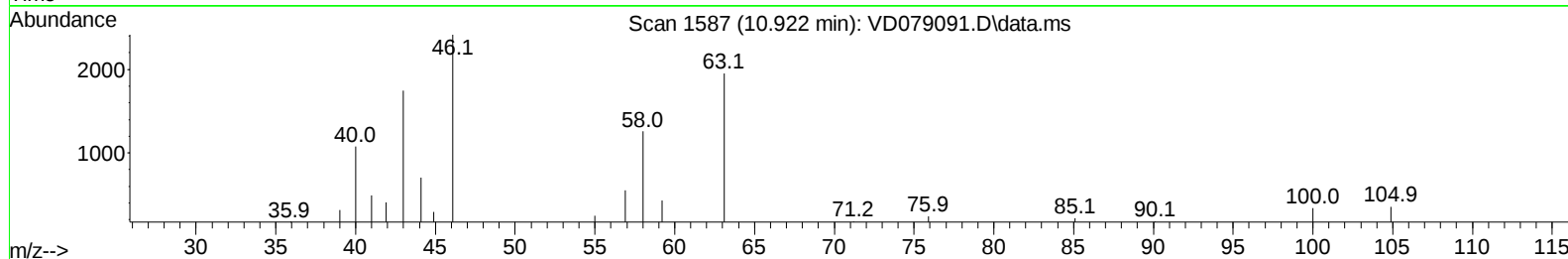
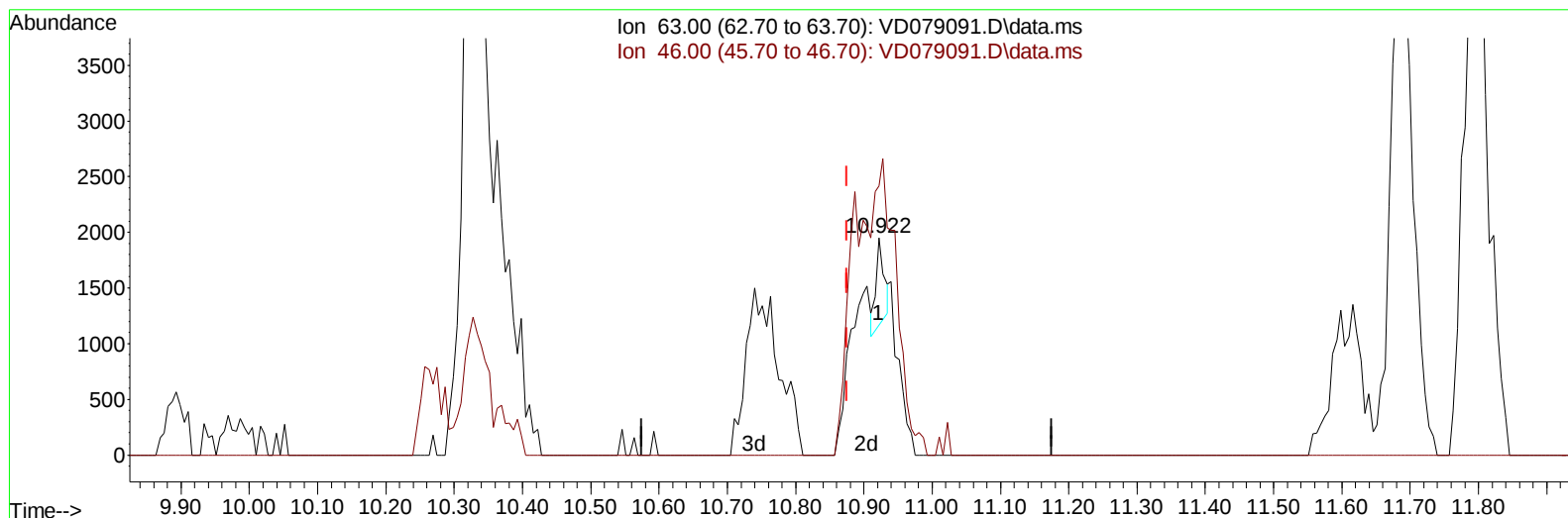
TIC: VD079091.D\data.ms

**(45) 1,1,2-Trichloroethane (T)****10.740min (+ 0.006) 9.38 ug/L m****response 29983**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 97.00 | 100.00 | 100.00 |
| 99.00 | 61.40  | 55.90  |
| 83.00 | 84.20  | 85.83  |
| 85.00 | 53.20  | 60.80  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(47) 2-Hexanone-d5 (S)**

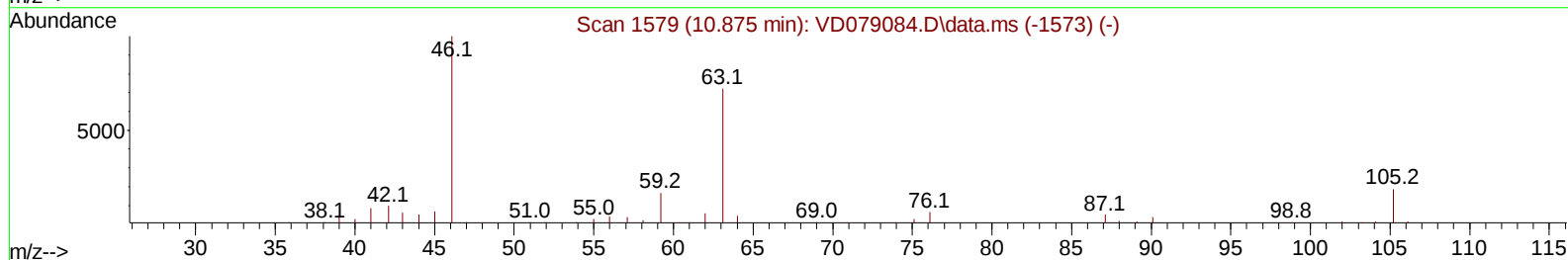
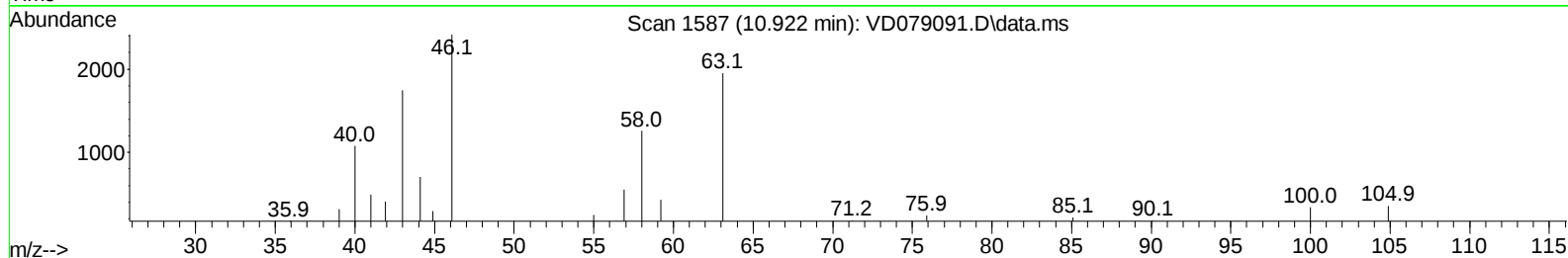
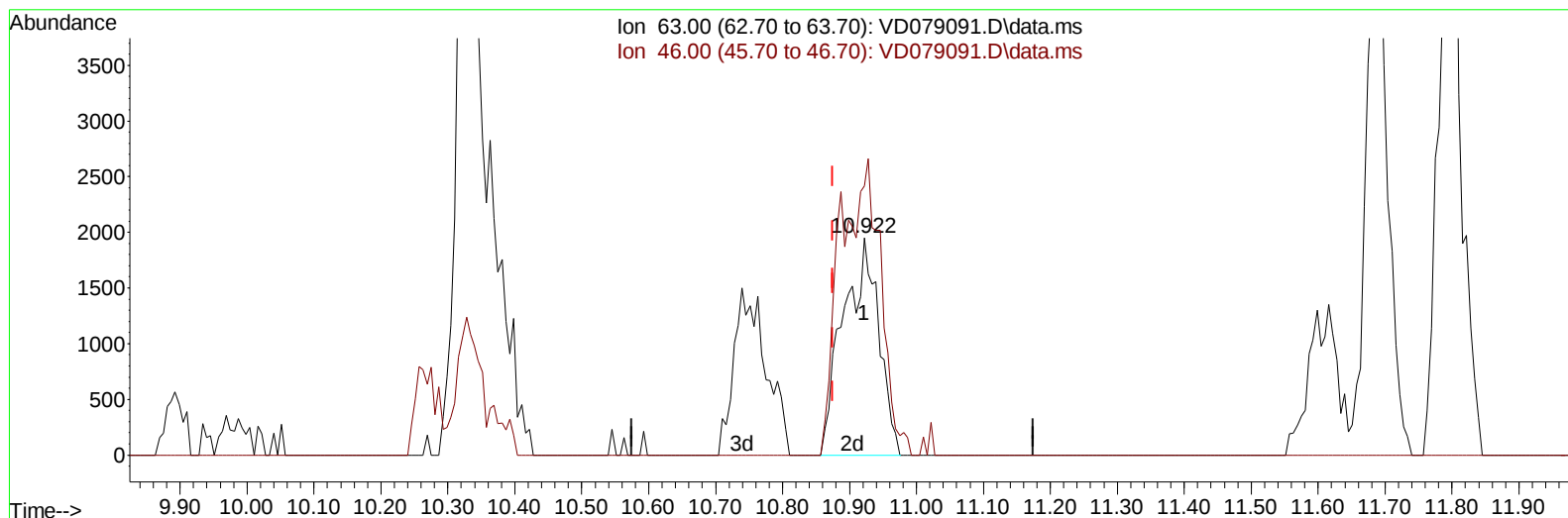
**10.922min (+ 0.047) 1.27 ug/L**

**response 657**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 46.00 | 151.10 | 181.43 |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(47) 2-Hexanone-d5 (S)

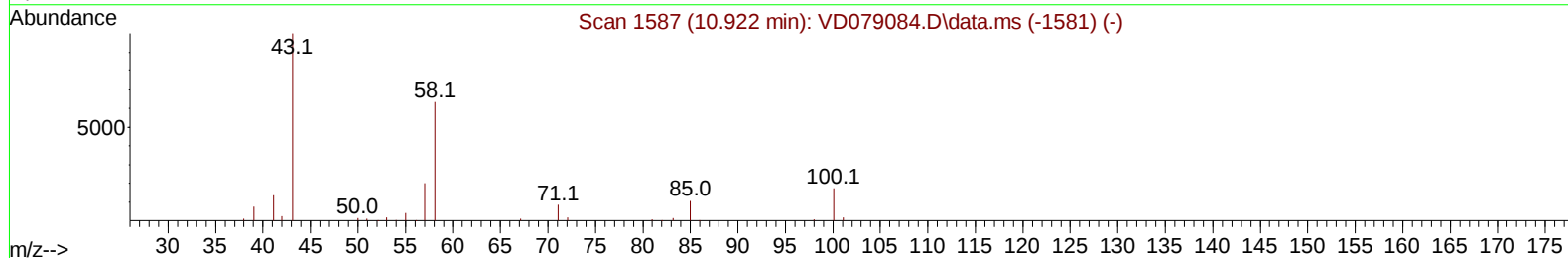
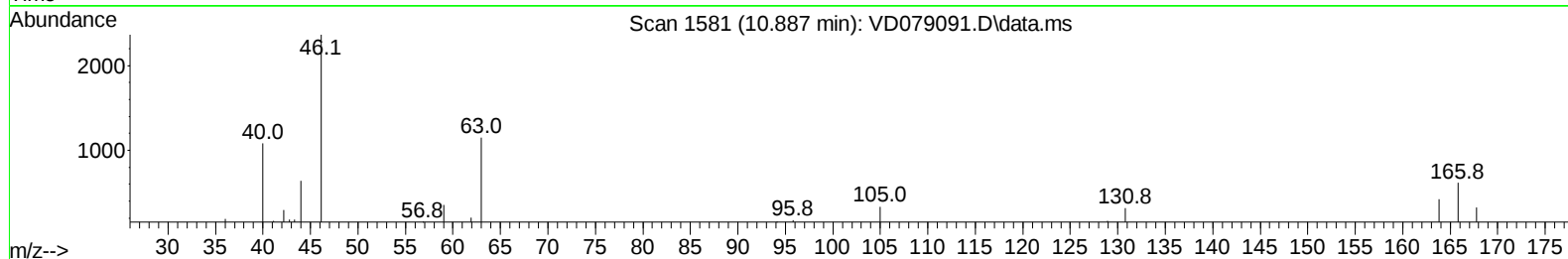
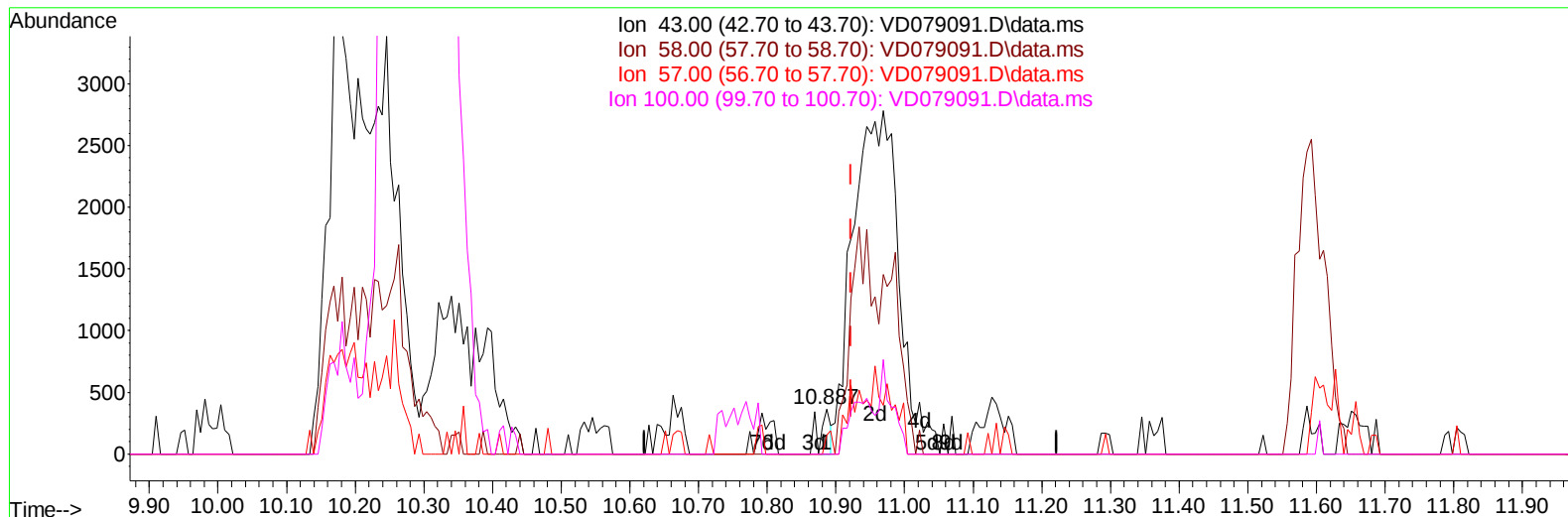
10.922min (+ 0.047) 13.90 ug/L m

response 7167

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 63.00 | 100.00 | 100.00 |
| 46.00 | 151.10 | 16.63# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
 Acq On : 30 May 2024 12:57  
 Operator : RP/MD  
 Sample : P2586-07MSD  
 Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(48) 2-Hexanone (T)**

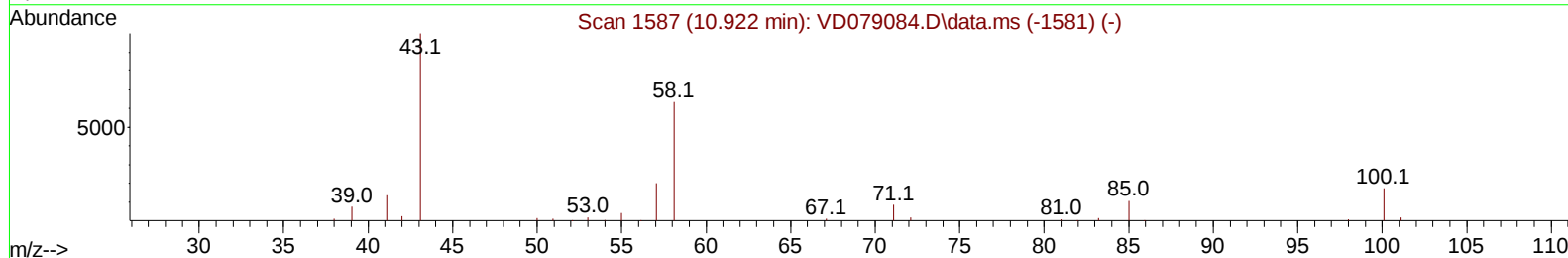
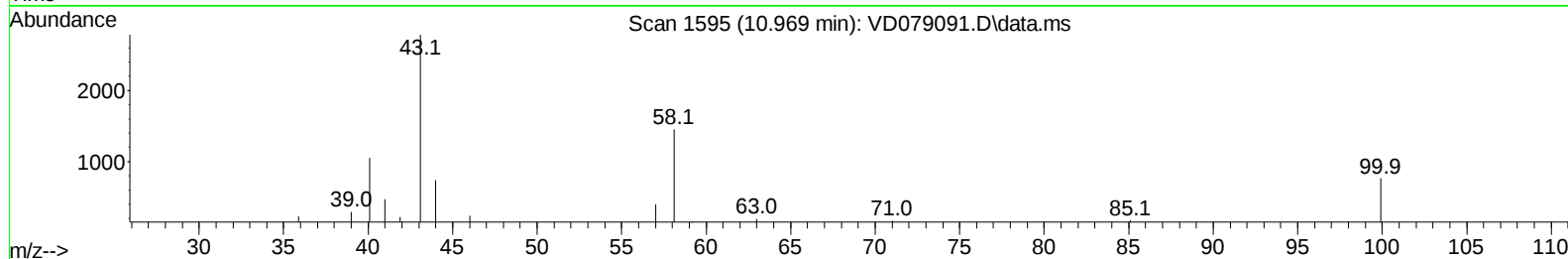
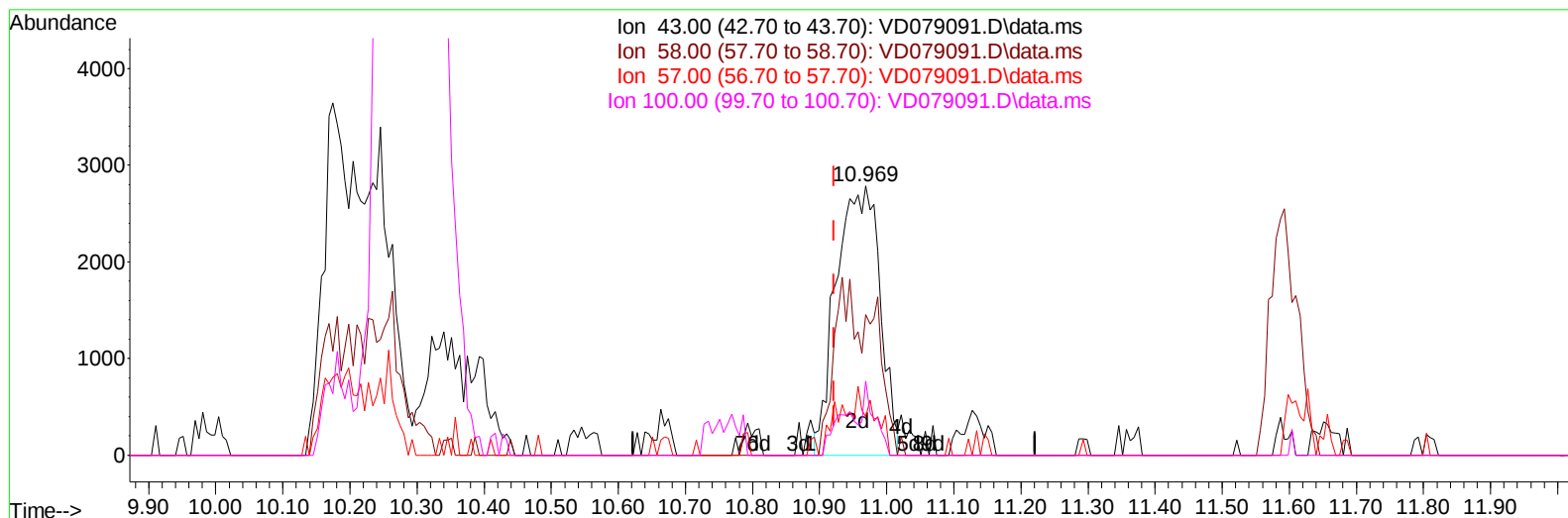
**10.887min (-0.035) 0.22 ug/L**

**response 287**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 43.00  | 100.00 | 100.00 |
| 58.00  | 62.60  | 0.00#  |
| 57.00  | 20.60  | 42.16# |
| 100.00 | 19.00  | 0.00#  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

(48) 2-Hexanone (T)

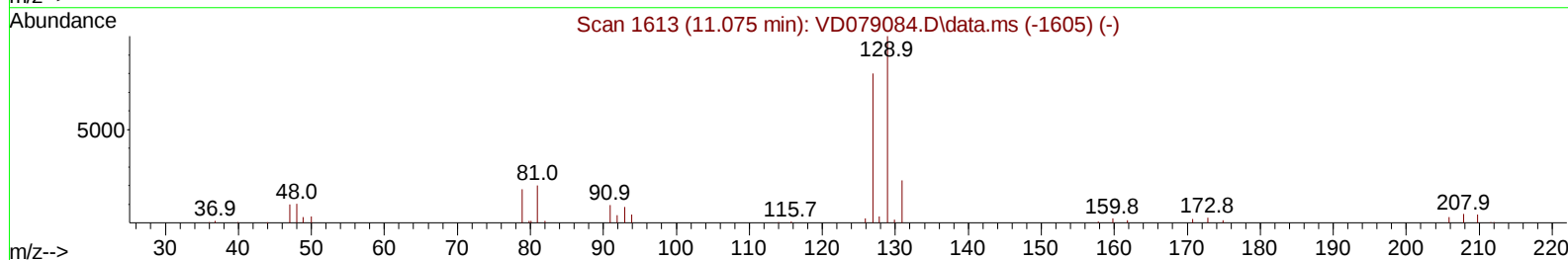
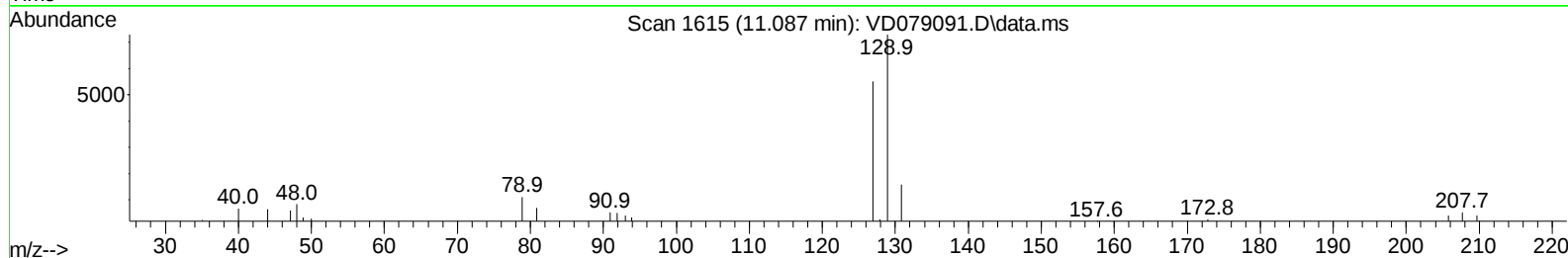
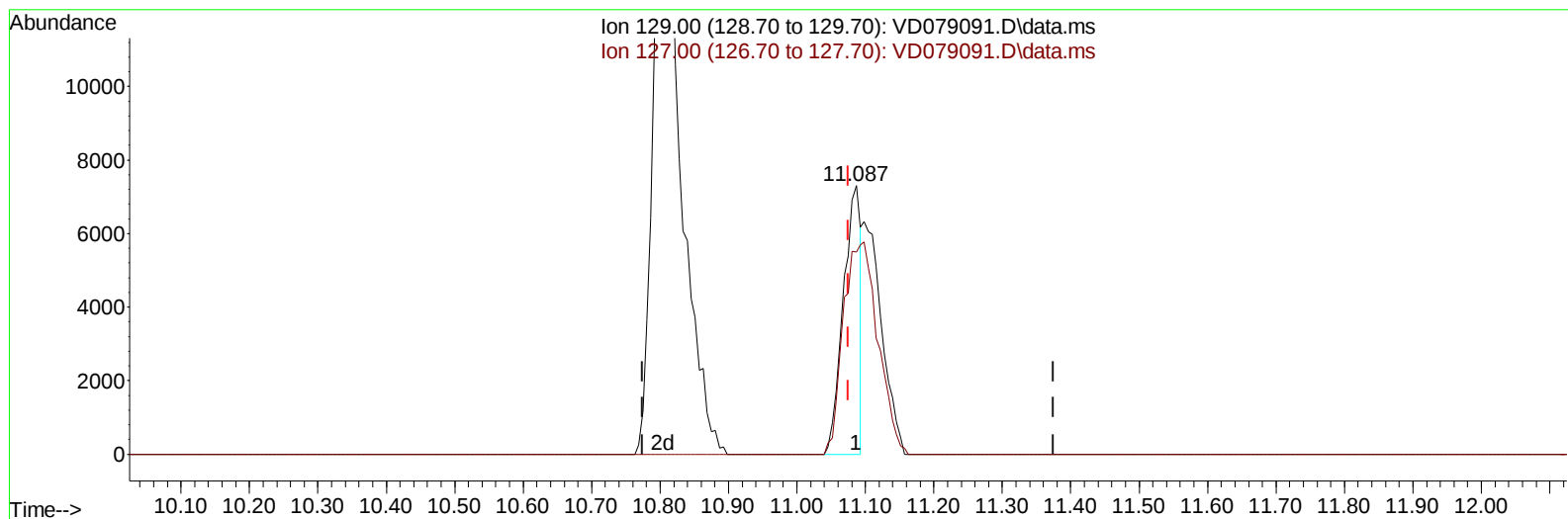
10.969min (+ 0.047) 9.51 ug/L m

response 12525

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 43.00  | 100.00 | 100.00 |
| 58.00  | 62.60  | 0.00#  |
| 57.00  | 20.60  | 0.97#  |
| 100.00 | 19.00  | 0.00#  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(49) Dibromochloromethane (T)**

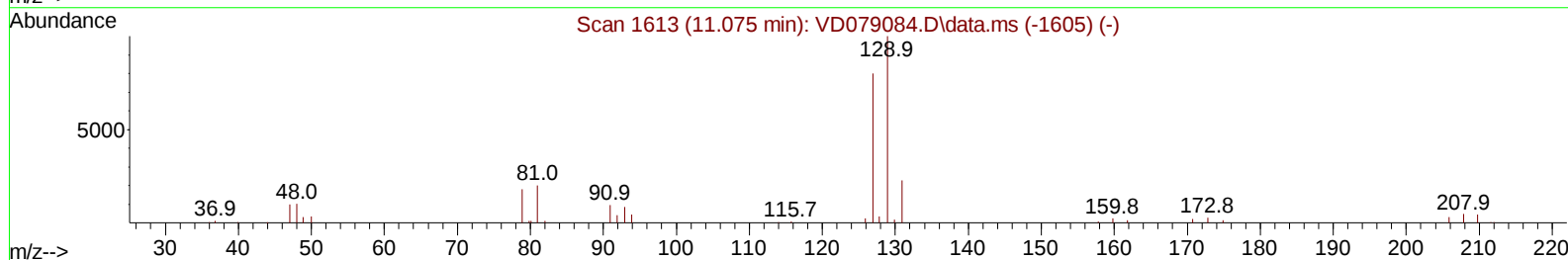
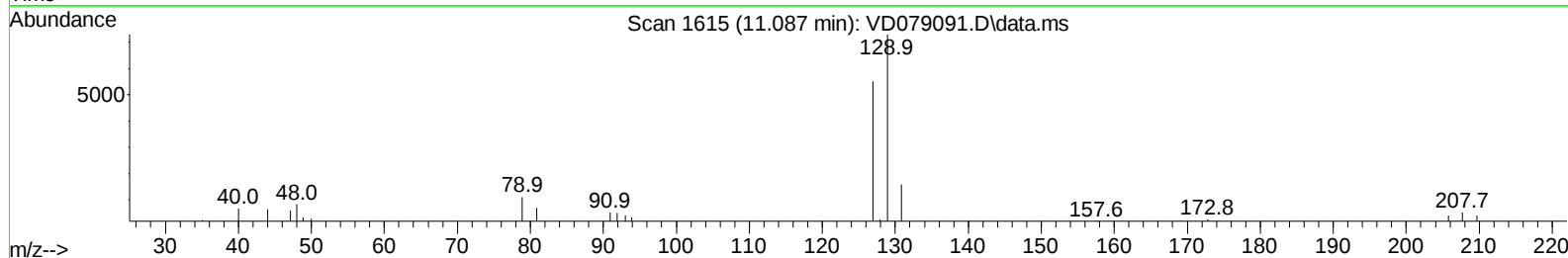
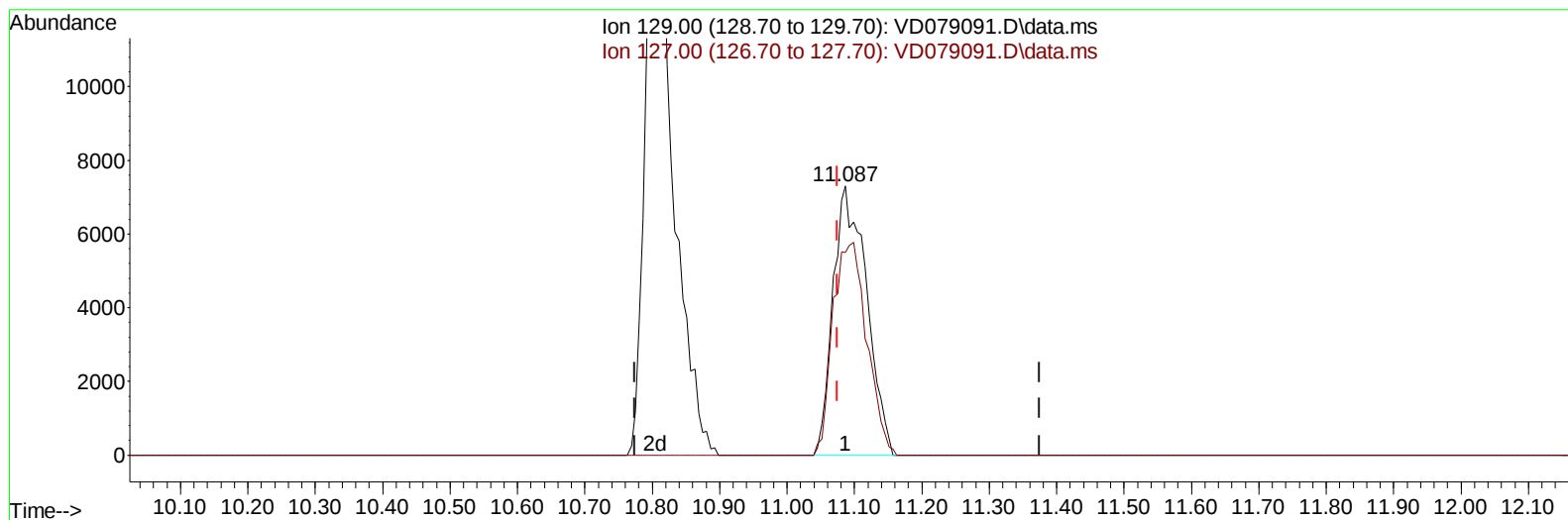
**11.087min (+ 0.012) 3.40 ug/L**

**response 12864**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 129.00 | 100.00 | 100.00 |
| 127.00 | 80.50  | 75.42  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
Data File : VD079091.D  
Acq On : 30 May 2024 12:57  
Operator : RP/MD  
Sample : P2586-07MSD  
Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri May 31 01:52:18 2024  
Response via : Initial Calibration



TIC: VD079091.D\data.ms

**(49) Dibromochloromethane (T)**

**11.087min (+ 0.012) 6.63 ug/L m**

**response 25112**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 129.00 | 100.00 | 100.00 |
| 127.00 | 80.50  | 75.42  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
 Acq On : 30 May 2024 12:57  
 Operator : RP/MD  
 Sample : P2586-07MSD  
 Misc : 4.63G/10mL/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 8.763    | 114   | 327457   | 25.000 | ug/L     | -0.01    |
| 28) Chlorobenzene-d5          | 11.587   | 117   | 249831   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522   | 152   | 86936    | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 2.358    | 65    | 85442m   | 8.479  | ug/L     | 0.08     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 33.920%  |          |
| 7) Chloroethane-d5            | 2.793    | 69    | 7887m    | 0.809  | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 3.240%#  |          |
| 11) 1,1-Dichloroethene-d2     | 3.699    | 65    | 33230m   | 18.576 | ug/L     | -0.22    |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 74.320%  |          |
| 21) 2-Butanone-d5             | 7.104    | 46    | 14420m   | 18.709 | ug/L     | 0.12     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 37.420%  |          |
| 24) Chloroform-d              | 7.552    | 84    | 127025   | 13.874 | ug/L     | -0.02    |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 55.480%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.216    | 65    | 39743    | 9.410  | ug/L     | -0.02    |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 37.640%# |          |
| 32) Benzene-d6                | 8.175    | 84    | 281866   | 20.352 | ug/L     | -0.03    |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 81.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.204    | 67    | 86640m   | 21.717 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 86.880%  |          |
| 41) Toluene-d8                | 10.263   | 98    | 272713   | 21.030 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 84.120%  |          |
| 43) trans-1,3-Dichloroprop... | 10.534   | 79    | 19114    | 11.399 | ug/L     | 0.01     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 45.600%  |          |
| 47) 2-Hexanone-d5             | 10.922   | 63    | 7167m    | 13.896 | ug/L     | 0.05     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 27.800%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.663   | 84    | 21803    | 6.170  | ug/L     | 0.01     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 24.680%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816   | 152   | 41151    | 13.715 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 54.880%# |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 2.028    | 85    | 51706    | 9.975  | ug/L #   | 46       |
| 3) Chloromethane              | 2.199    | 50    | 60841m   | 8.806  | ug/L     |          |
| 5) Vinyl chloride             | 2.364    | 62    | 67354    | 5.907  | ug/L     | 93       |
| 6) Bromomethane               | 2.675    | 94    | 5444m    | 0.618  | ug/L     |          |
| 8) Chloroethane               | 2.828    | 64    | 4221m    | 0.505  | ug/L     |          |
| 9) Trichlorofluoromethane     | 3.193    | 101   | 8596m    | 0.990  | ug/L     |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.181    | 101   | 61610m   | 11.828 | ug/L     |          |
| 12) 1,1-Dichloroethene        | 3.722    | 96    | 59377m   | 13.093 | ug/L     |          |
| 13) Acetone                   | 4.040    | 43    | 17530m   | 15.710 | ug/L     |          |
| 14) Carbon disulfide          | 4.063    | 76    | 132243   | 8.359  | ug/L     | 98       |
| 15) Methyl Acetate            | 4.552    | 43    | 49479m   | 32.545 | ug/L     |          |
| 16) Methylene chloride        | 4.816    | 84    | 84927m   | 14.555 | ug/L     |          |
| 17) trans-1,2-Dichloroethene  | 5.187    | 96    | 61884m   | 12.627 | ug/L     |          |
| 18) Methyl tert-butyl Ether   | 5.322    | 73    | 133373m  | 15.344 | ug/L     |          |
| 19) 1,1-Dichloroethane        | 6.040    | 63    | 94399m   | 11.964 | ug/L     |          |
| 20) cis-1,2-Dichloroethene    | 7.040    | 96    | 54203m   | 10.622 | ug/L     |          |
| 22) 2-Butanone                | 7.157    | 43    | 9983m    | 8.517  | ug/L     |          |
| 23) Bromochloromethane        | 7.404    | 128   | 18595    | 7.187  | ug/L #   | 86       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
 Acq On : 30 May 2024 12:57  
 Operator : RP/MD  
 Sample : P2586-07MSD  
 Misc : 4.63G/10mL/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM052924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 7.581  | 83   | 86866    | 9.696  | ug/L   | 92       |
| 27) 1,2-Dichloroethane        | 8.316  | 62   | 51979m   | 9.995  | ug/L   |          |
| 29) Cyclohexane               | 7.834  | 56   | 72881m   | 16.168 | ug/L   |          |
| 30) 1,1,1-Trichloroethane     | 7.757  | 97   | 77100    | 13.035 | ug/L # | 85       |
| 31) Carbon tetrachloride      | 7.957  | 117  | 41481    | 7.547  | ug/L   | 84       |
| 33) Benzene                   | 8.222  | 78   | 225618   | 15.163 | ug/L   | 100      |
| 34) Trichloroethene           | 9.010  | 95   | 56742    | 14.806 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.251  | 83   | 101037   | 15.911 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.293  | 63   | 53207m   | 14.598 | ug/L   |          |
| 38) Bromodichloromethane      | 9.593  | 83   | 49482m   | 9.766  | ug/L   |          |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 59665m   | 10.487 | ug/L   |          |
| 40) 4-Methyl-2-pentanone      | 10.175 | 43   | 20598m   | 13.538 | ug/L   |          |
| 42) Toluene                   | 10.334 | 91   | 262474   | 15.885 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 40705    | 8.460  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.740 | 97   | 29983m   | 9.377  | ug/L   |          |
| 46) Tetrachloroethene         | 10.804 | 164  | 53413    | 15.828 | ug/L   | 99       |
| 48) 2-Hexanone                | 10.969 | 43   | 12525m   | 9.513  | ug/L   |          |
| 49) Dibromochloromethane      | 11.087 | 129  | 25112m   | 6.632  | ug/L   |          |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 25628    | 8.721  | ug/L # | 97       |
| 51) Chlorobenzene             | 11.610 | 112  | 142767   | 12.986 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.687 | 91   | 263737   | 15.302 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.798 | 106  | 120791   | 17.863 | ug/L   | 95       |
| 54) o-Xylene                  | 12.128 | 106  | 88963    | 13.617 | ug/L   | 95       |
| 55) Styrene                   | 12.145 | 104  | 138622   | 11.967 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.681 | 83   | 17048    | 4.763  | ug/L   | 97       |
| 59) Bromoform                 | 12.316 | 173  | 11601    | 7.281  | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.428 | 105  | 252500   | 21.966 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.734 | 75   | 13568    | 8.840  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 165807   | 21.096 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 162488   | 19.329 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 85462    | 15.476 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 78898    | 13.484 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 53162    | 10.414 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 1021     | 3.236  | ug/L # | 46       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 45497    | 13.063 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 19293    | 6.670  | ug/L   | 97       |
| 71) Naphthalene               | 15.333 | 128  | 14522    | 2.684  | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 9350     | 3.740  | ug/L   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD053024\  
 Data File : VD079091.D  
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 Sample : P2586-07MSD  
 Misc : 4.63G/10ml/MSVOA\_D/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 31 01:55:32 2024  
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 Quant Title : SFAM01.0  
 QLast Update : Fri May 31 01:52:18 2024  
 Response via : Initial Calibration

