

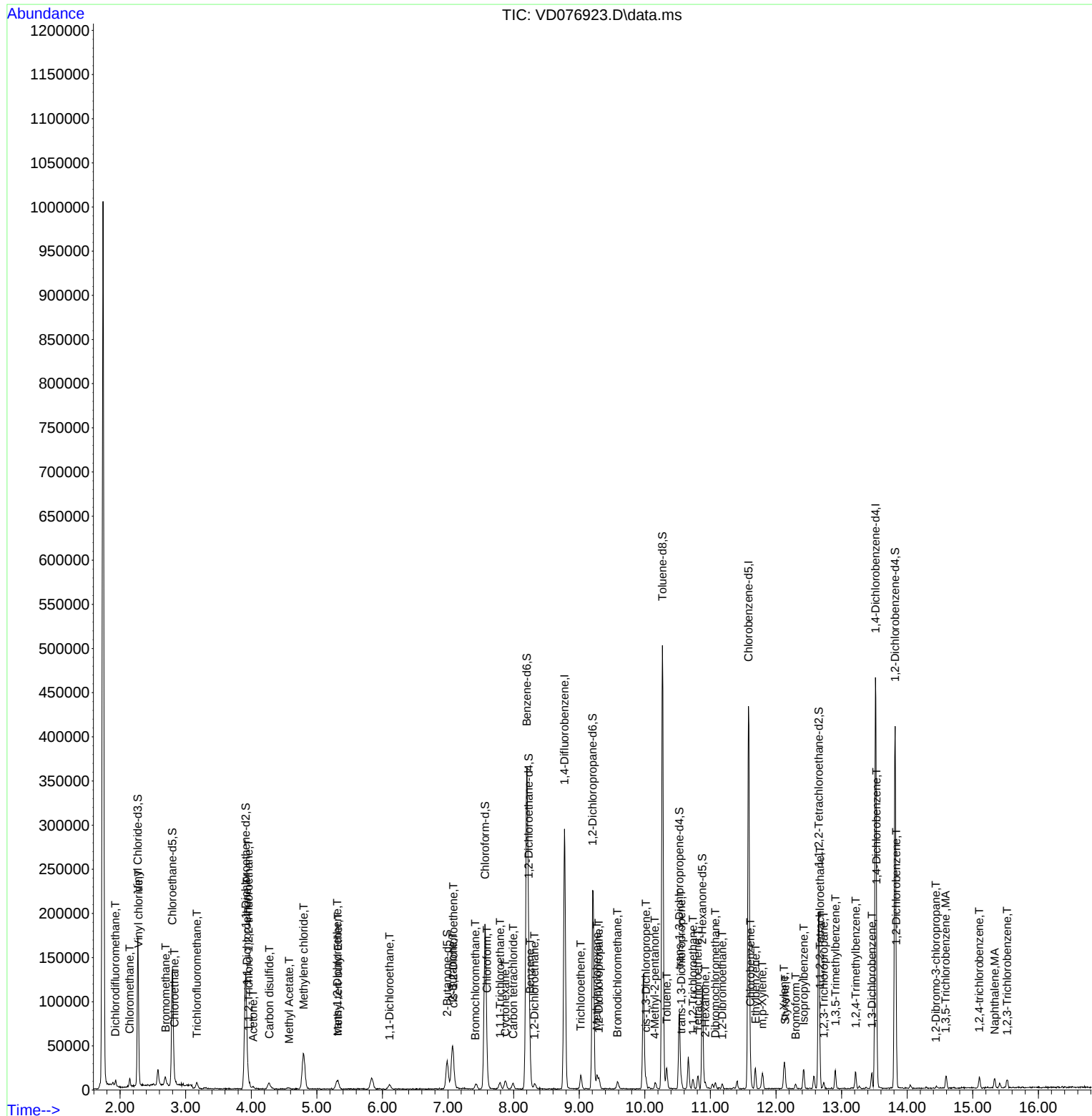
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



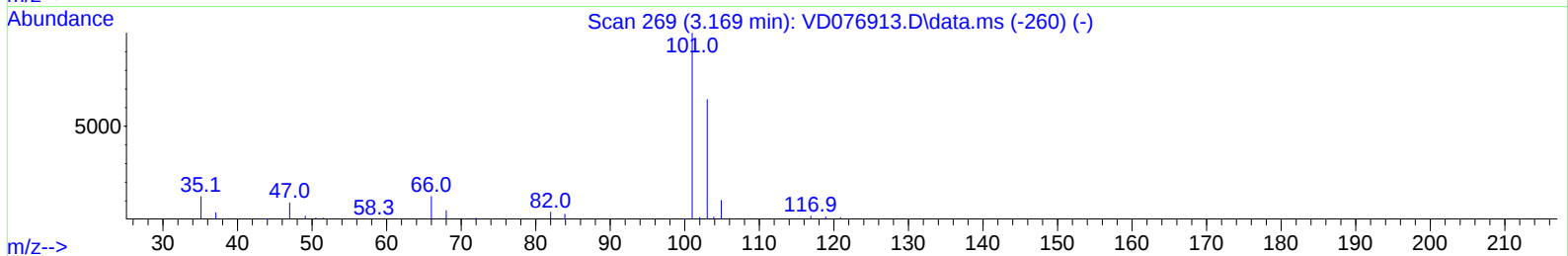
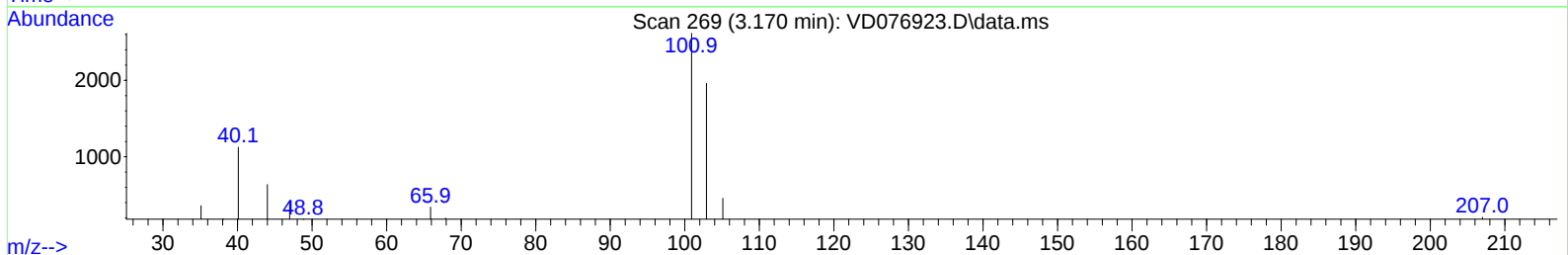
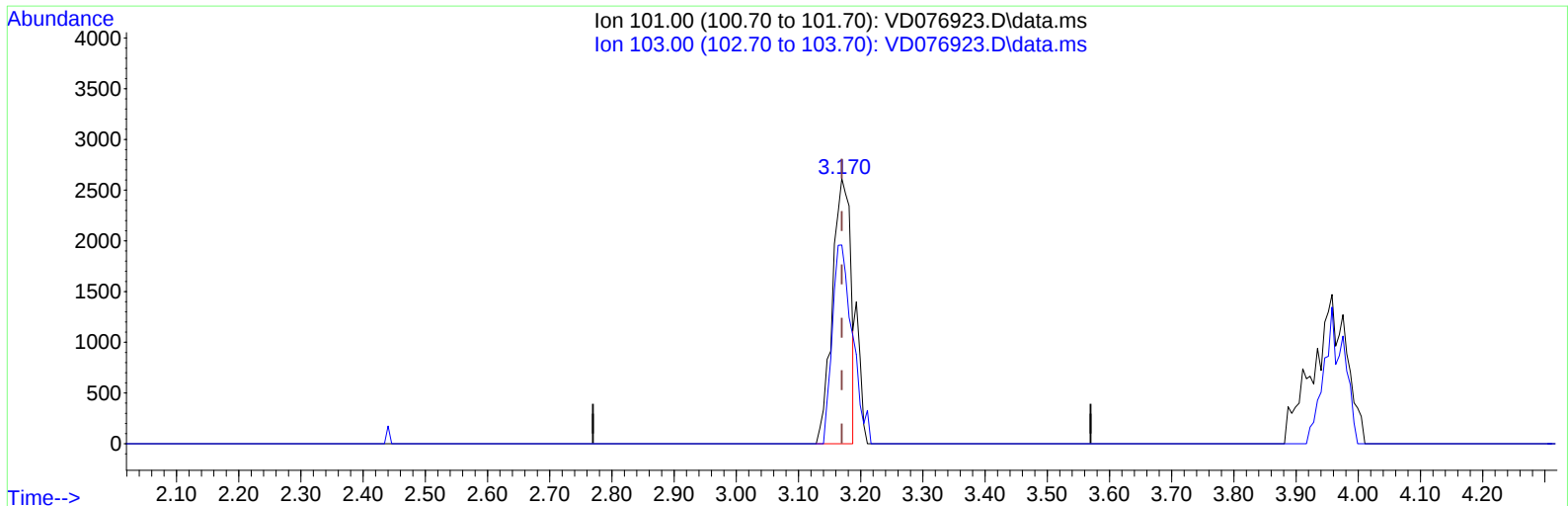
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Data File : VD076923.D  
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TIC: VD076923.D\data.ms

## (9) Trichlorofluoromethane (T)

3.170min (+ 0.000) 0.78 ug/L

response 5304

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 103.00 | 64.70  | 80.86# |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

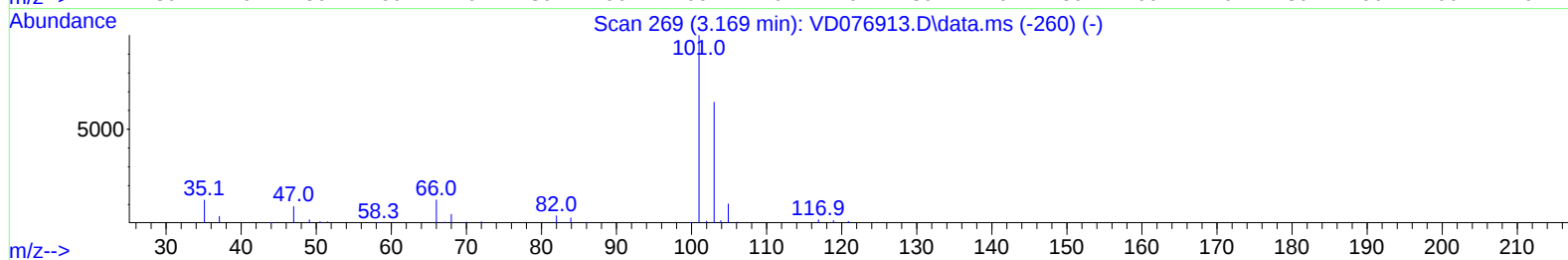
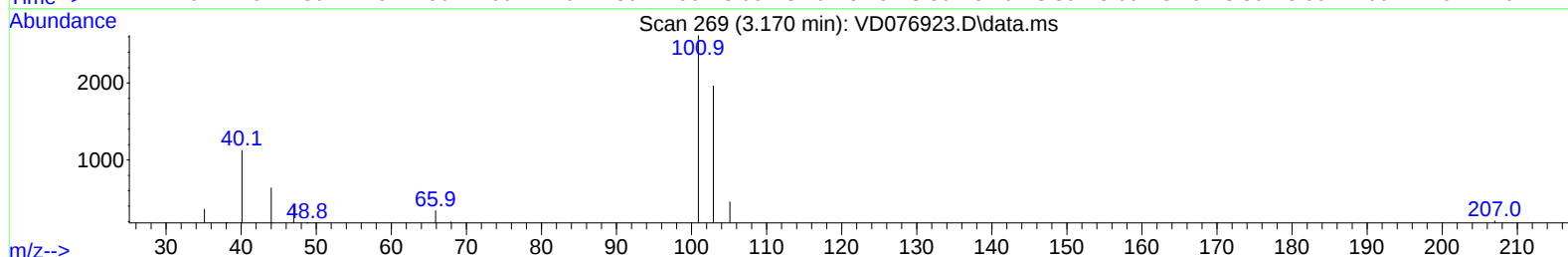
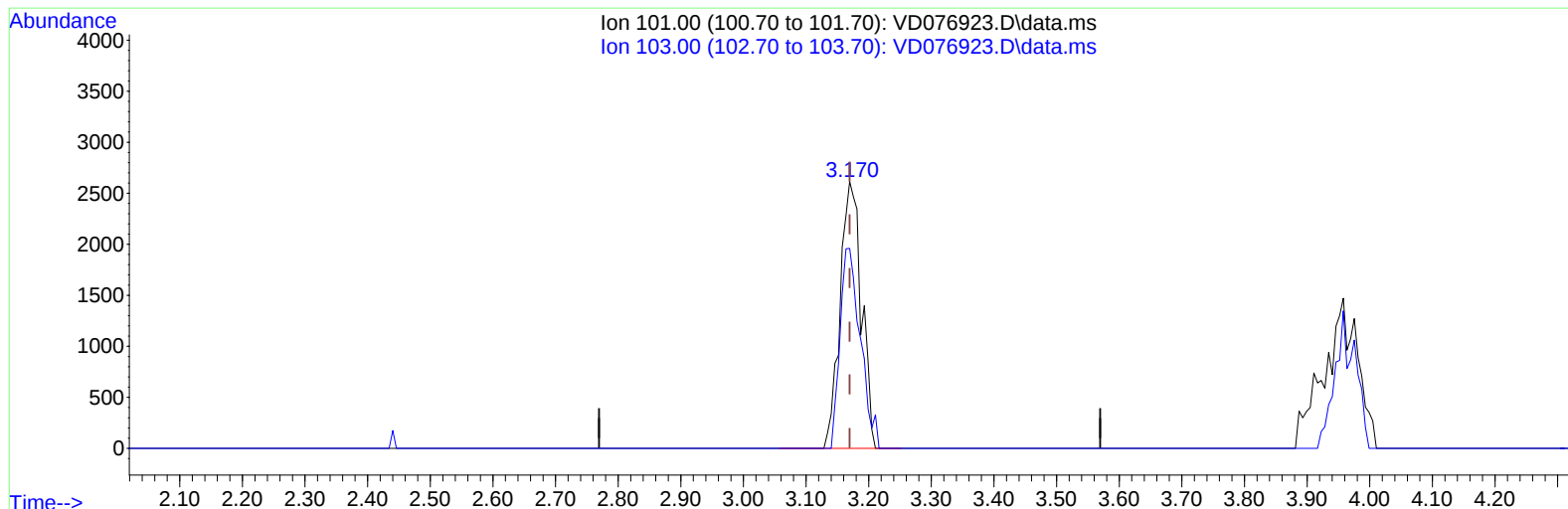
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Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (9) Trichlorofluoromethane (T)

3.170min (+ 0.000) 0.90 ug/L m

response 6161

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 103.00 | 64.70  | 69.62  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

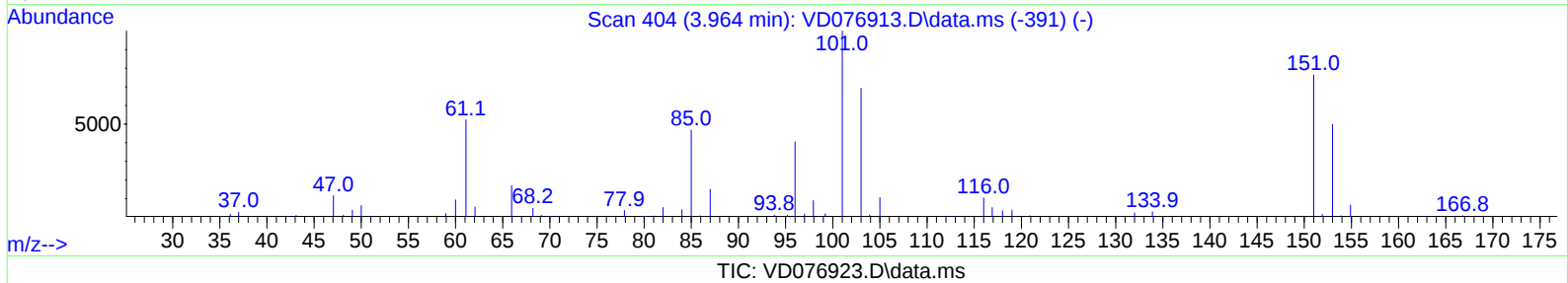
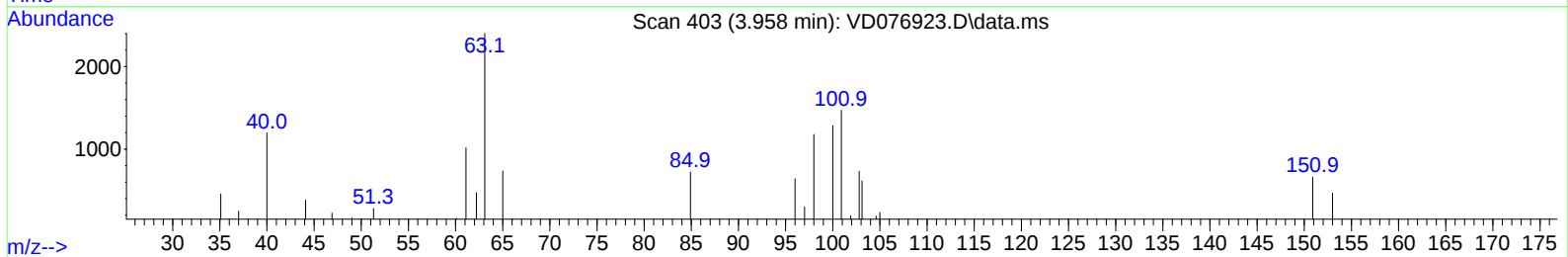
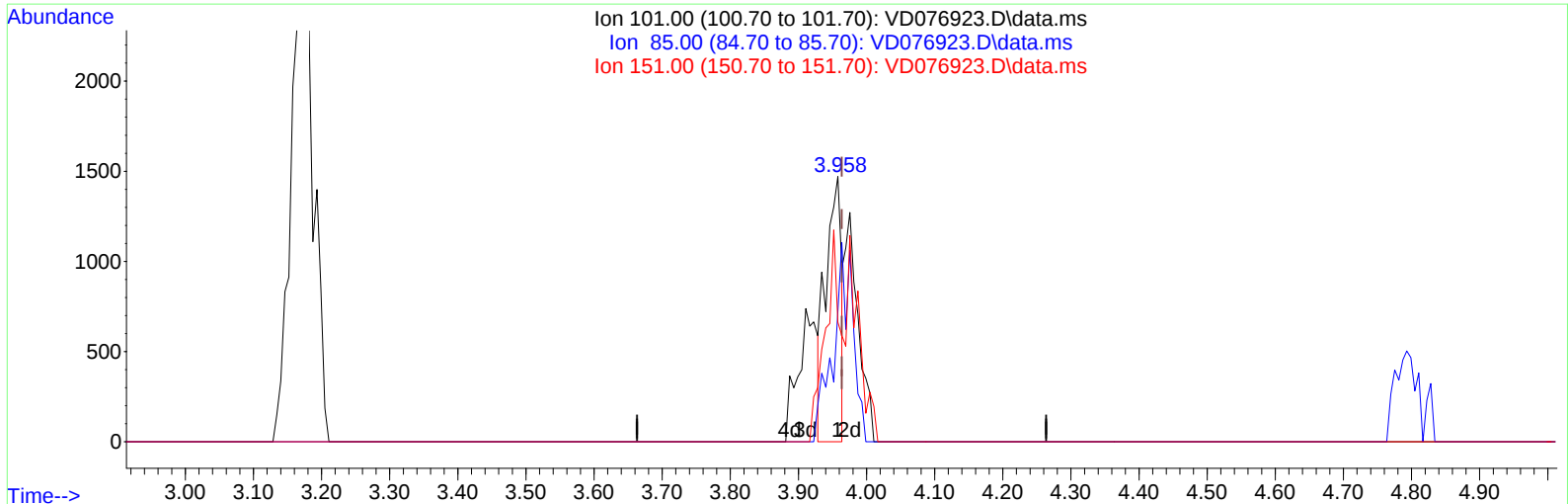
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 Acq On : 04 Aug 2023 13:13  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 MDL-SOIL-QT3-2023-06

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 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration



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

3.958min (-0.006) 0.52 ug/L

response 2327

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 85.00  | 44.40  | 22.13# |
| 151.00 | 73.20  | 0.00#  |
| 0.00   | 0.00   | 0.00   |

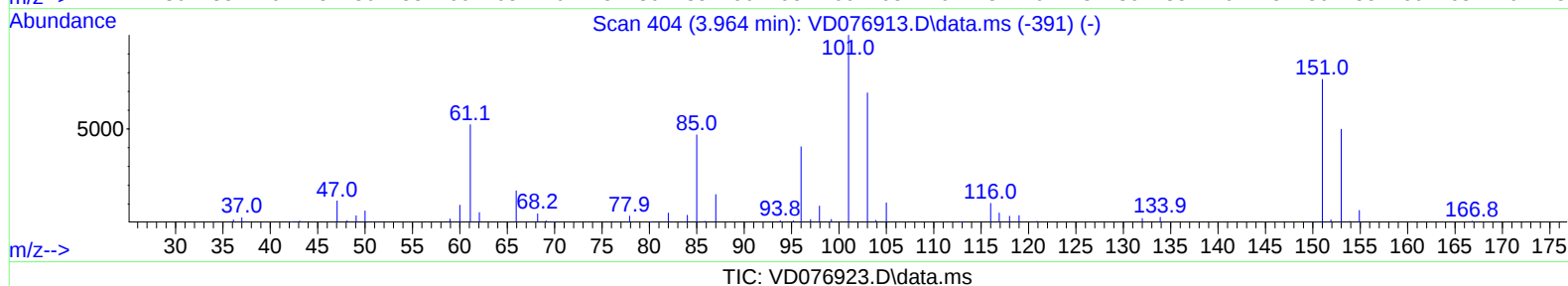
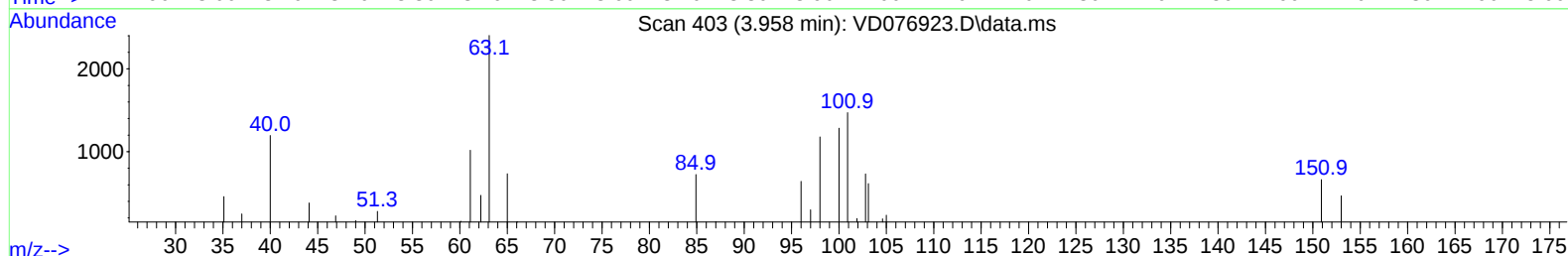
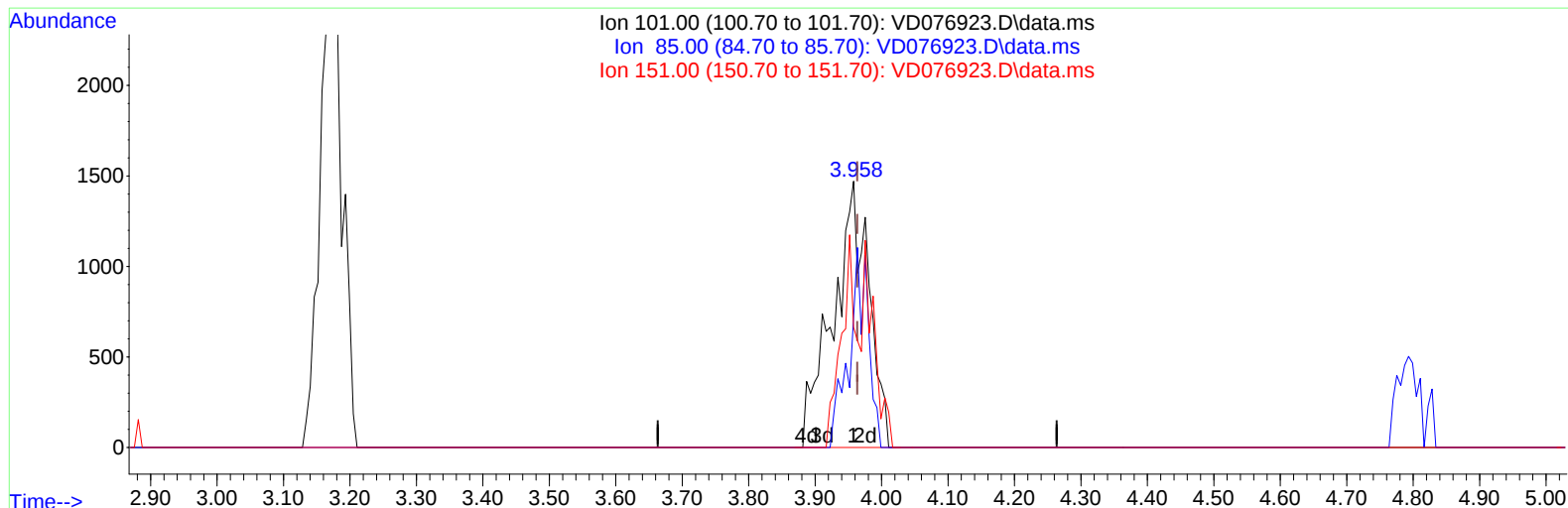
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 Data File : VD076923.D  
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Instrument :  
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 Response via : Initial Calibration



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

3.958min (-0.006) 1.24 ug/L m

response 5511

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 101.00 | 100.00 | 100.00 |
| 85.00  | 44.40  | 9.34#  |
| 151.00 | 73.20  | 0.00#  |
| 0.00   | 0.00   | 0.00   |

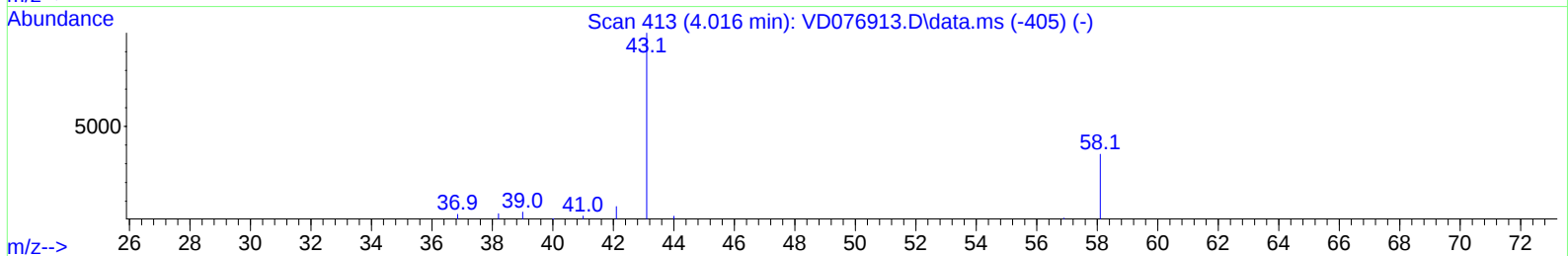
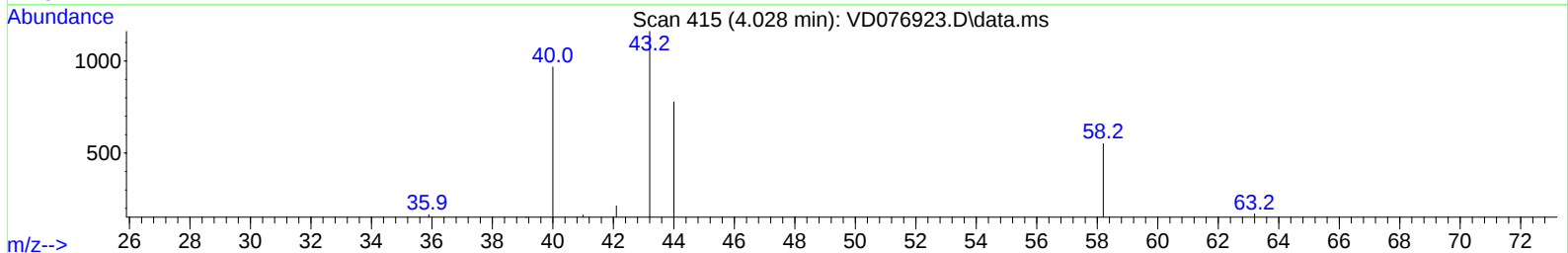
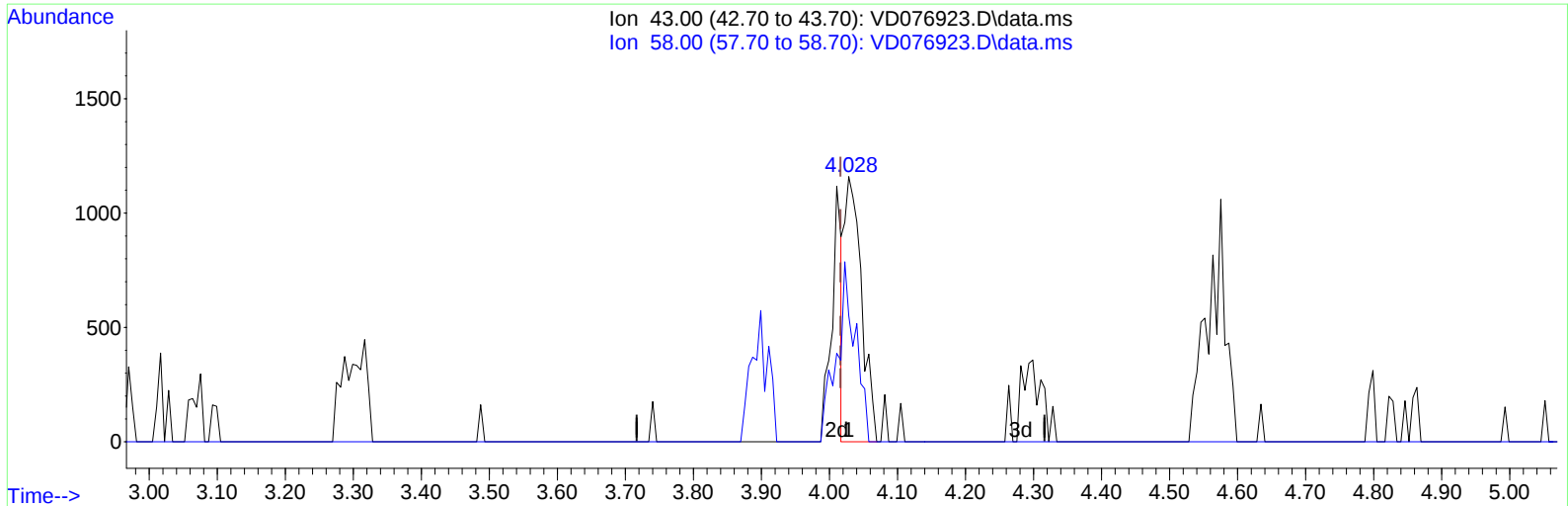
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
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Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (13) Acetone (T)

4.028min (+ 0.012) 1.68 ug/L

response 2038

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 58.00 | 33.70  | 56.18  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

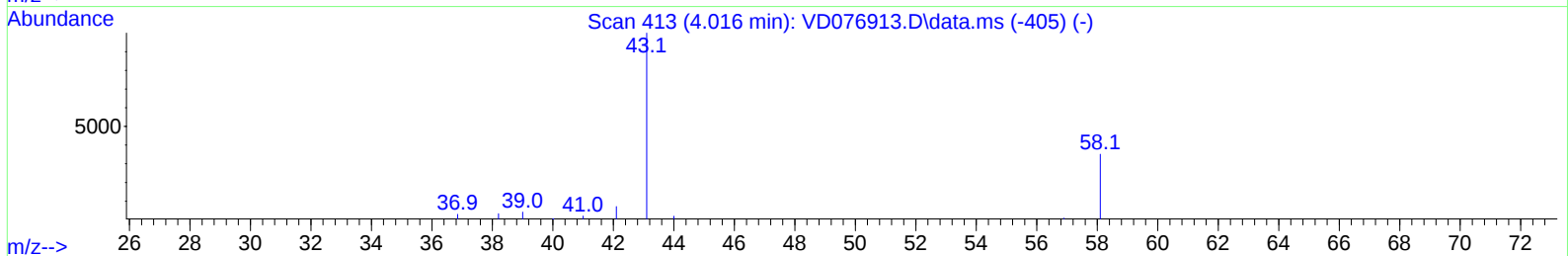
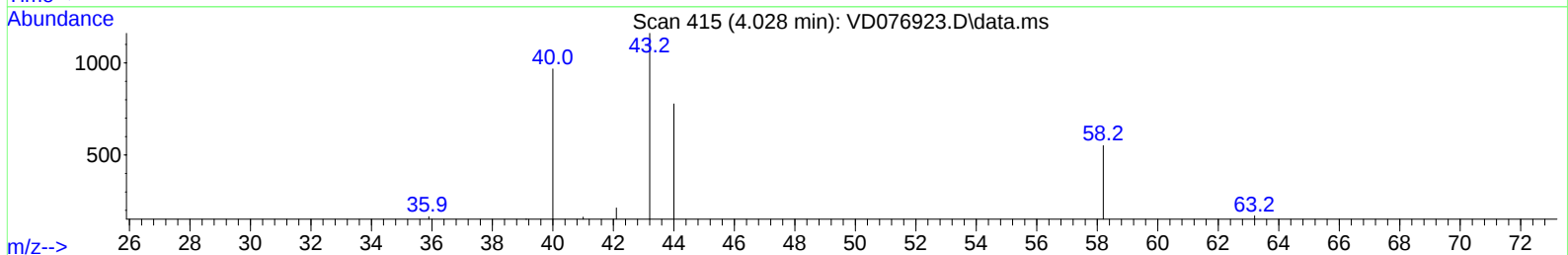
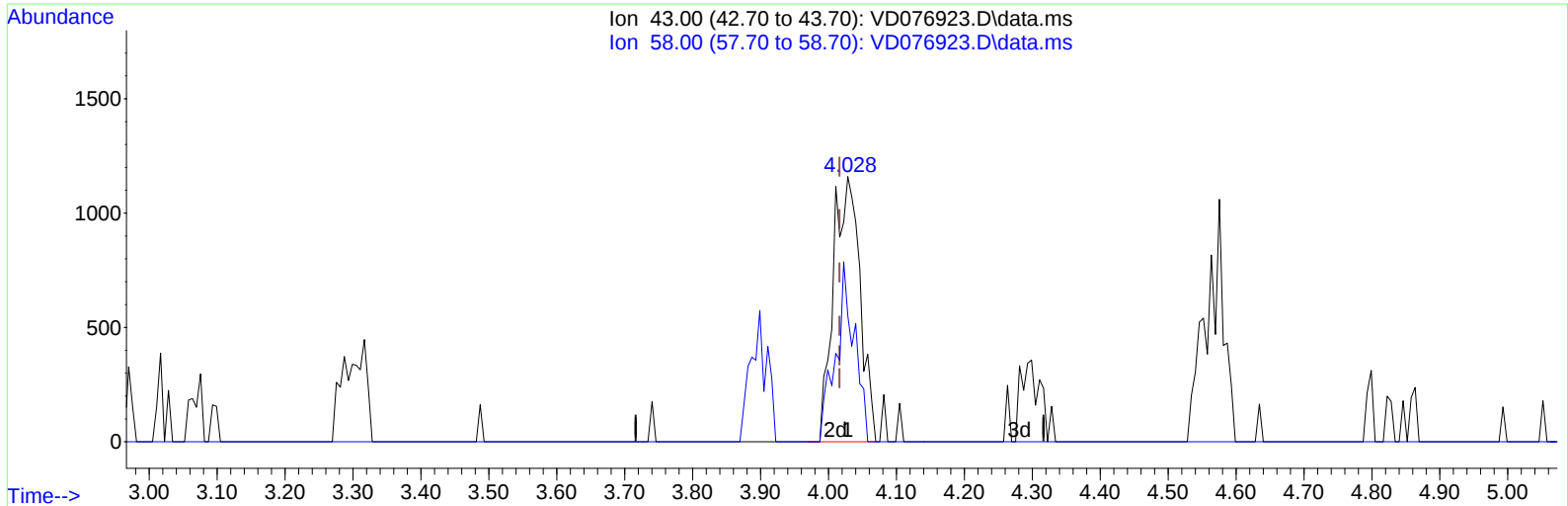
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
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Acq On : 04 Aug 2023 13:13  
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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (13) Acetone (T)

4.028min (+ 0.012) 2.60 ug/L m

| response | 3150   |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 43.00    | 100.00 | 100.00 |
| 58.00    | 33.70  | 36.35  |
| 0.00     | 0.00   | 0.00   |
| 0.00     | 0.00   | 0.00   |

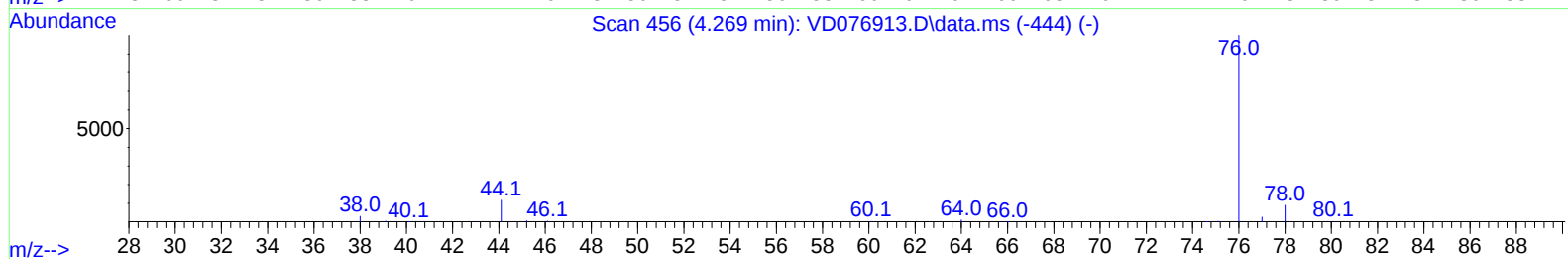
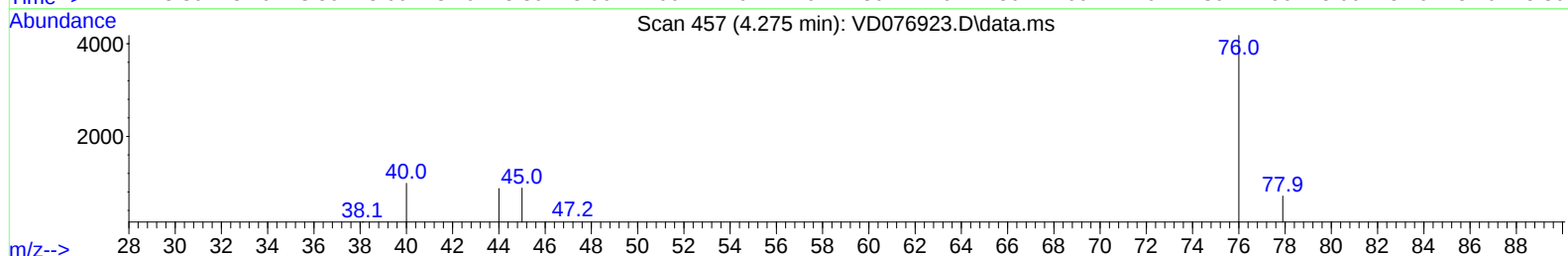
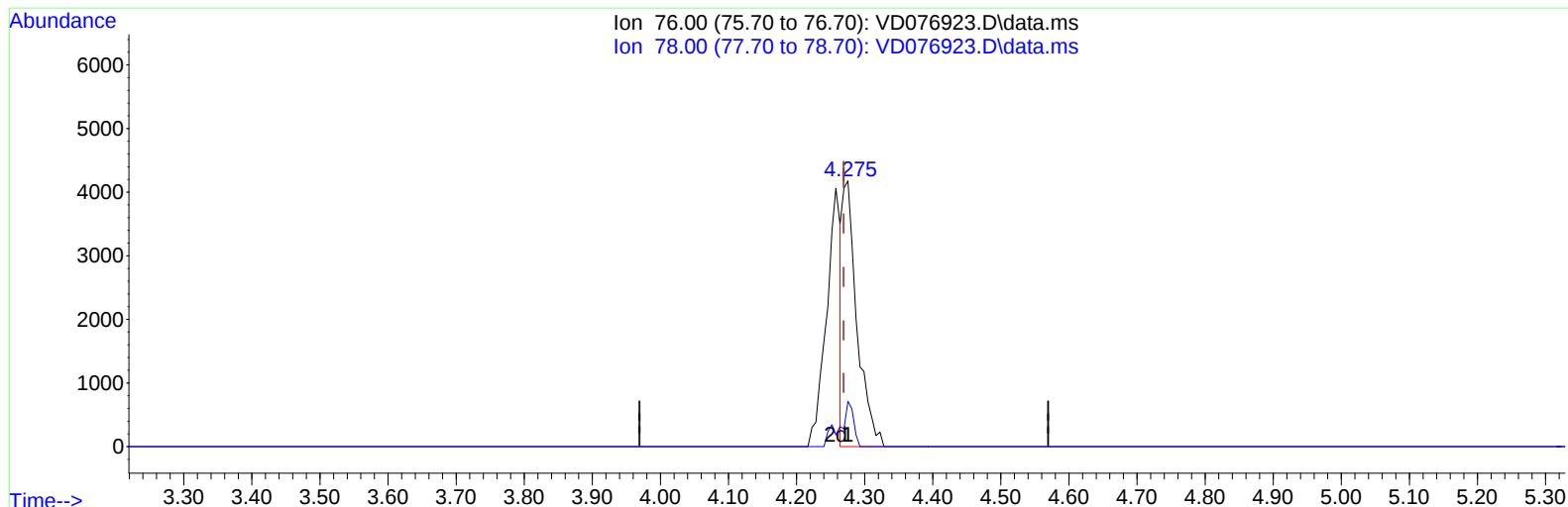
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

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Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (14) Carbon disulfide (T)

4.275min (+ 0.006) 0.45 ug/L

response 6162

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 76.00 | 100.00 | 100.00 |
| 78.00 | 8.70   | 17.09# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

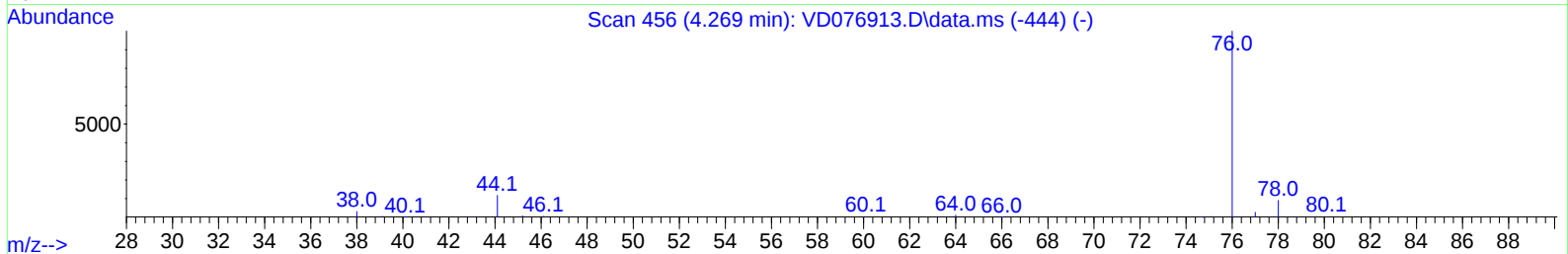
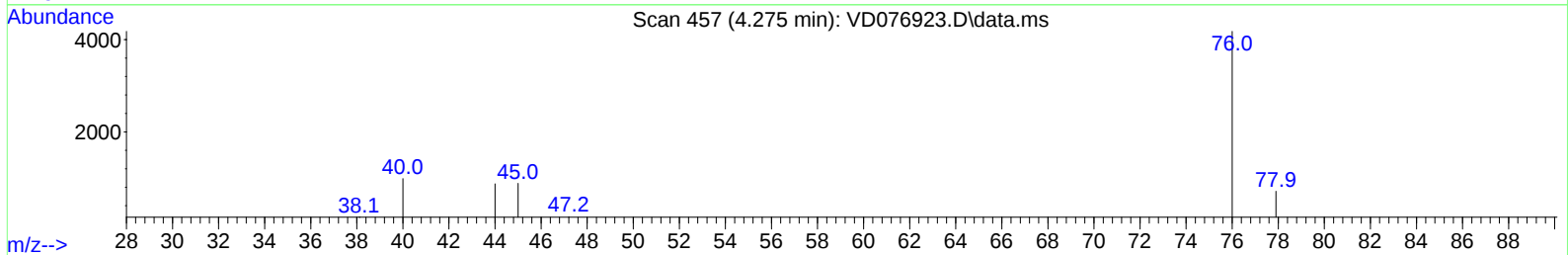
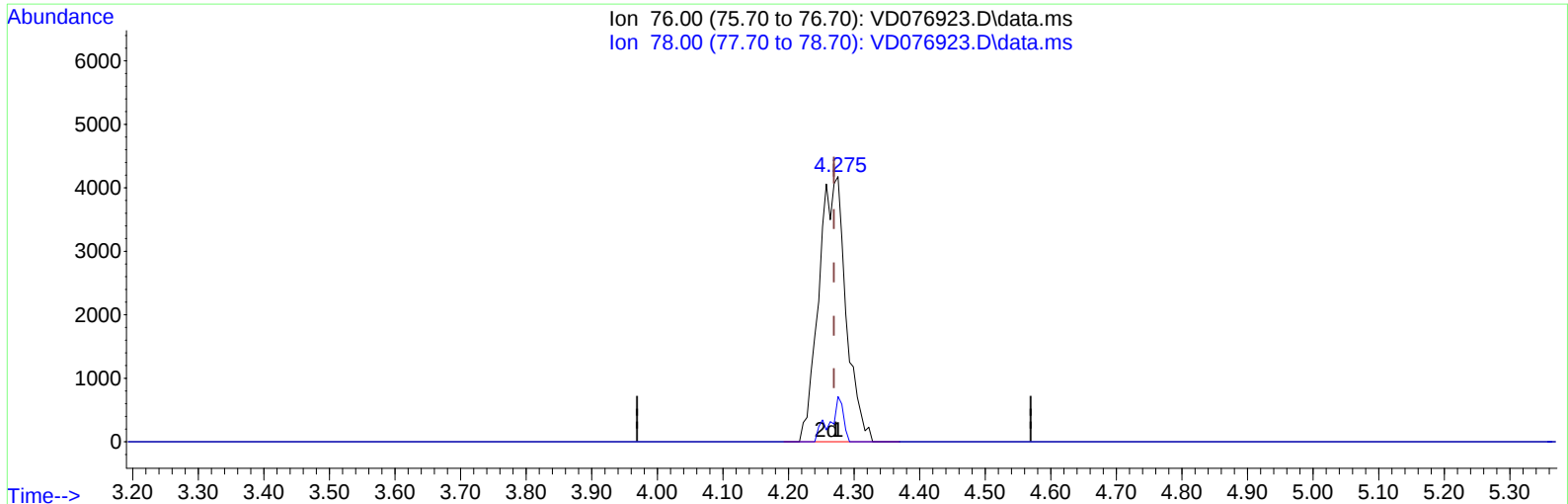
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
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Quant Title : SFAM01.0  
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Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (14) Carbon disulfide (T)

4.275min (+ 0.006) 0.88 ug/L m

response 12017

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 76.00 | 100.00 | 100.00 |
| 78.00 | 8.70   | 17.09# |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

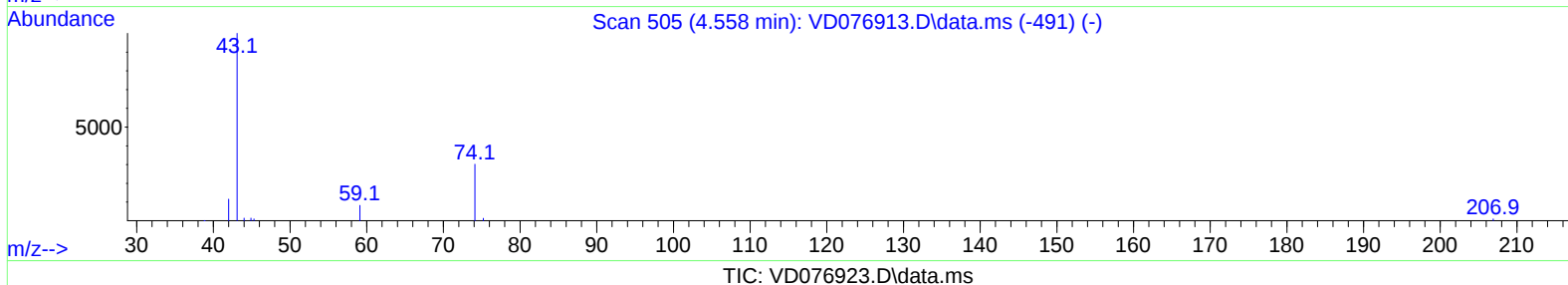
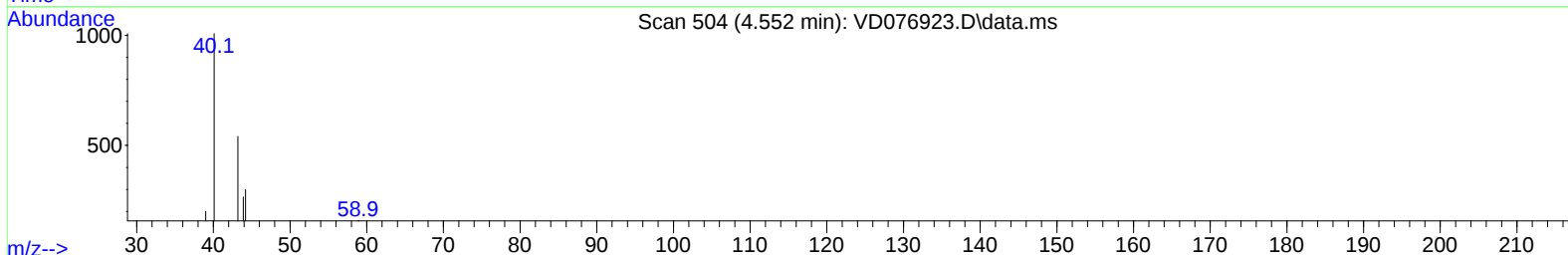
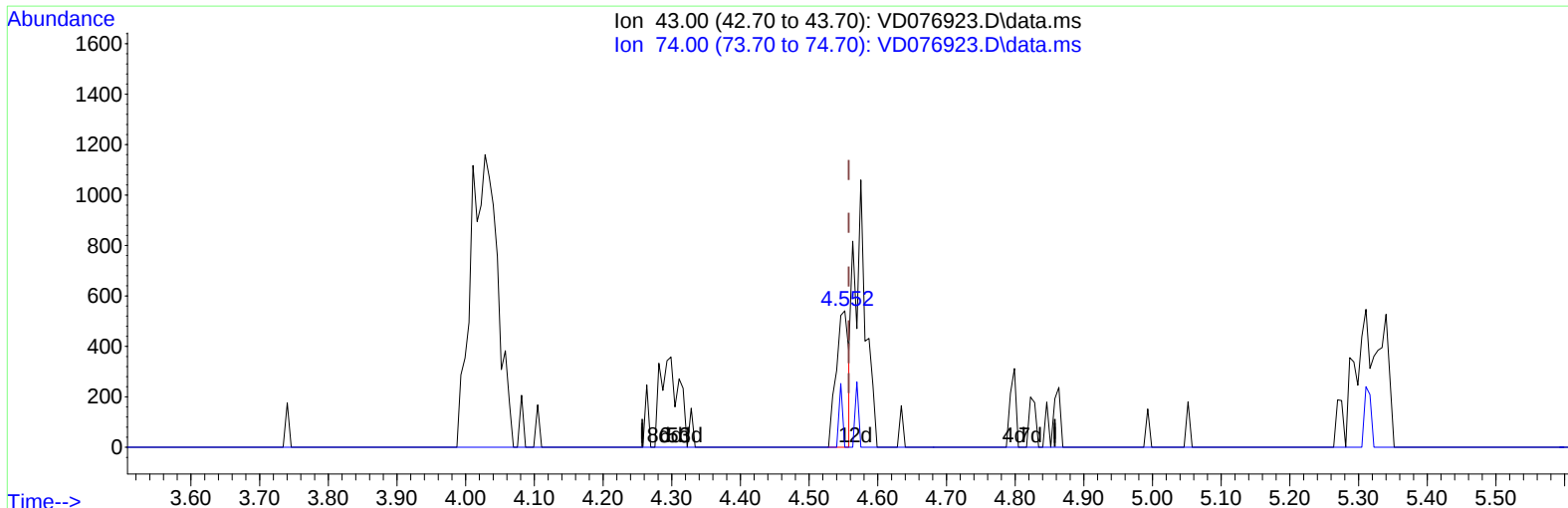
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (15) Methyl Acetate (T)

4.552min (-0.006) 0.34 ug/L

response 690

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 74.00 | 22.70  | 0.00#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

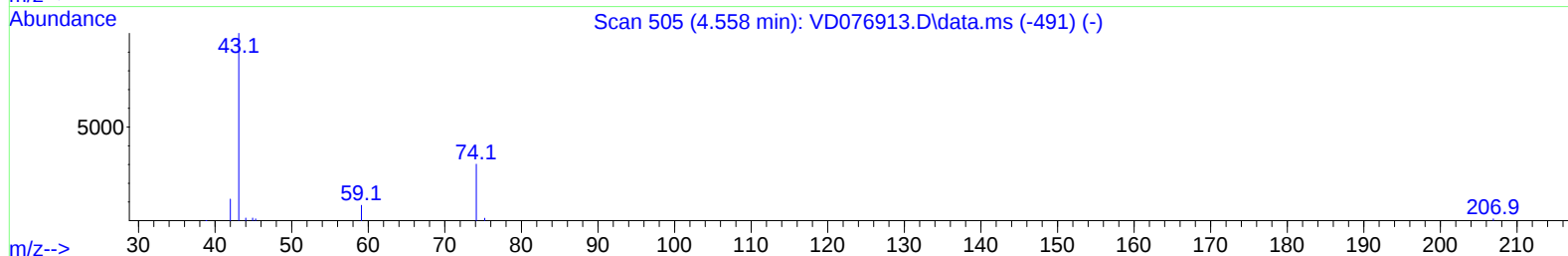
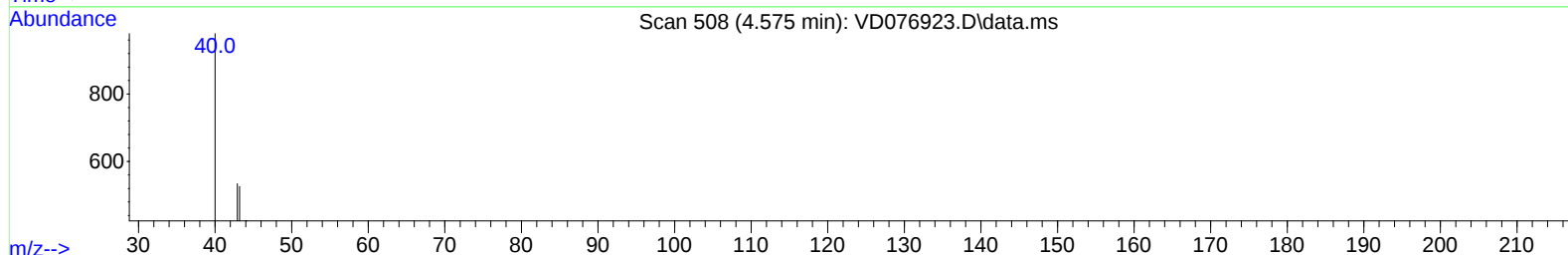
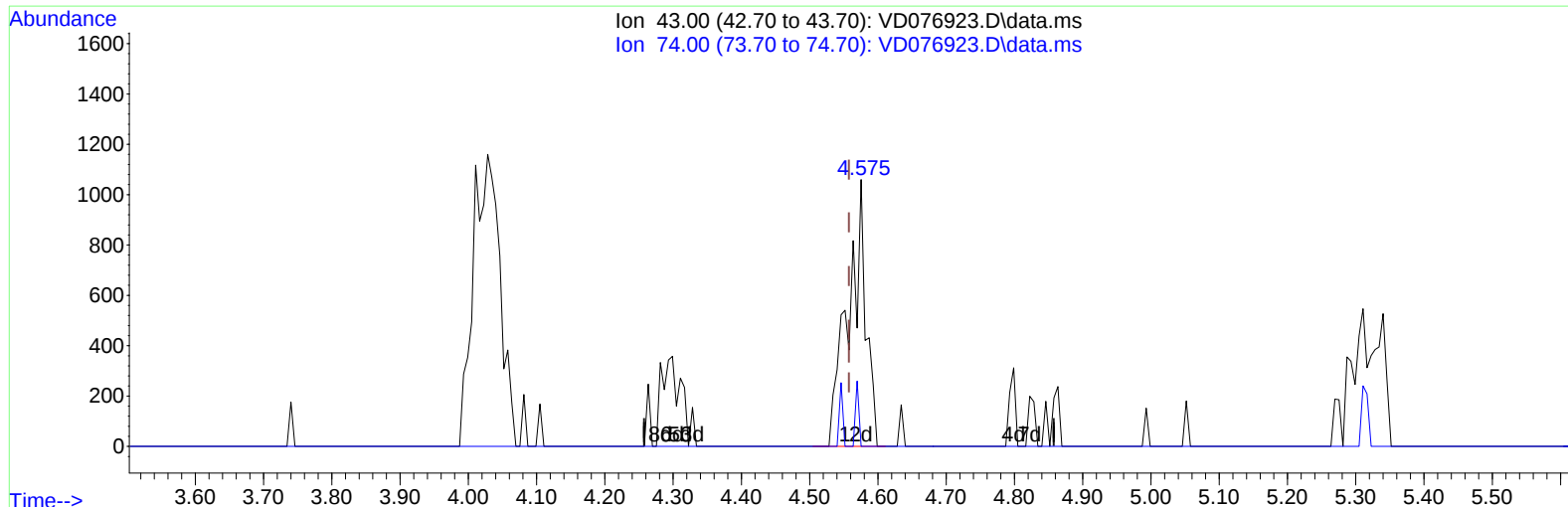
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (15) Methyl Acetate (T)

4.575min (+ 0.018) 0.93 ug/L m

| response | 1906   |        |
|----------|--------|--------|
| Ion      | Exp%   | Act%   |
| 43.00    | 100.00 | 100.00 |
| 74.00    | 22.70  | 0.00#  |
| 0.00     | 0.00   | 0.00   |
| 0.00     | 0.00   | 0.00   |

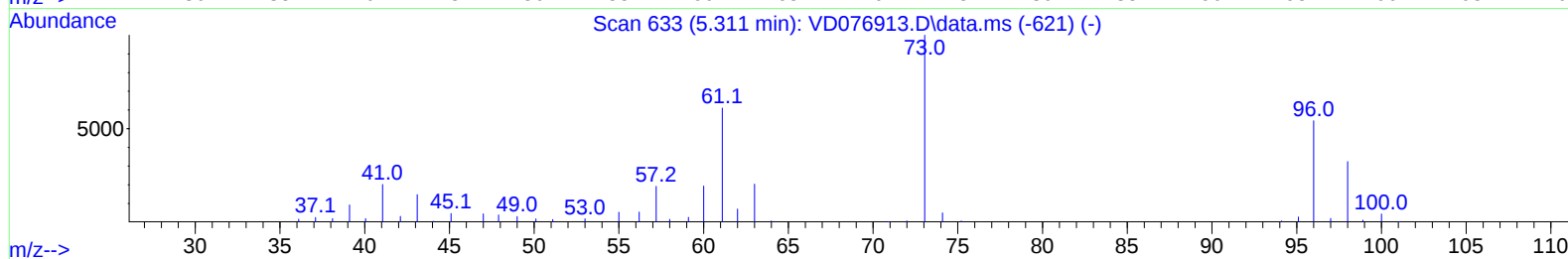
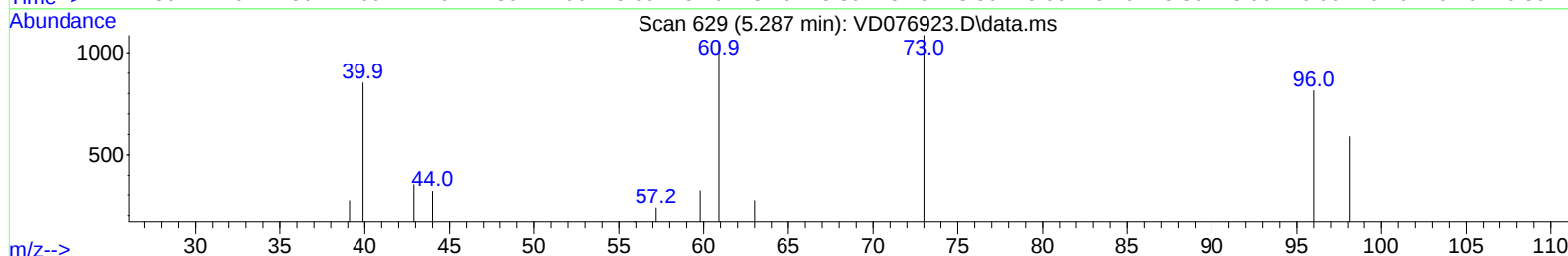
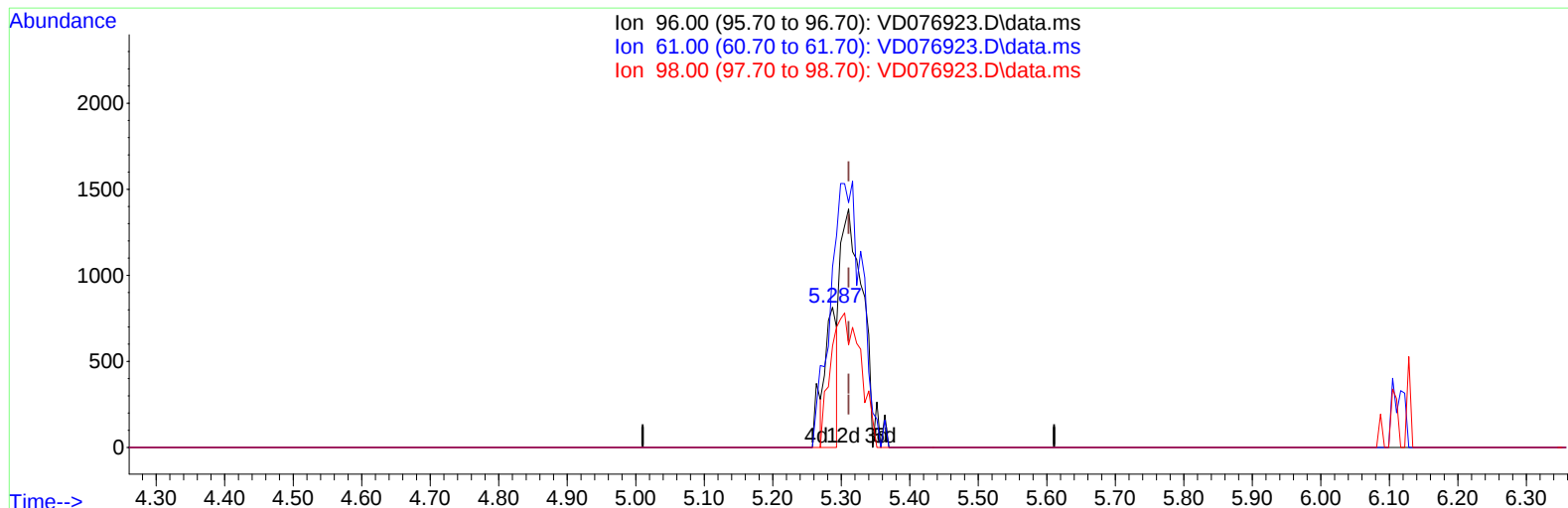
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration



TIC: VD076923.D\data.ms

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

5.287min (-0.023) 0.21 ug/L

response 942

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 135.00 | 128.99 |
| 98.00 | 65.70  | 72.48  |
| 0.00  | 0.00   | 0.00   |

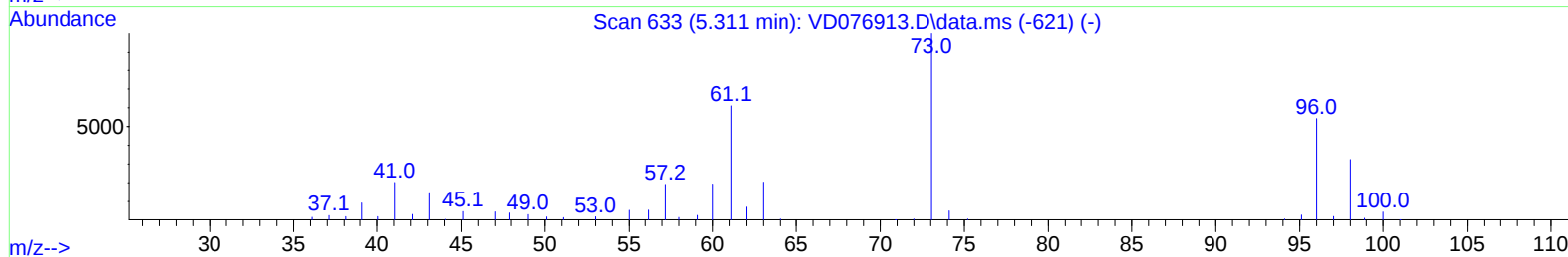
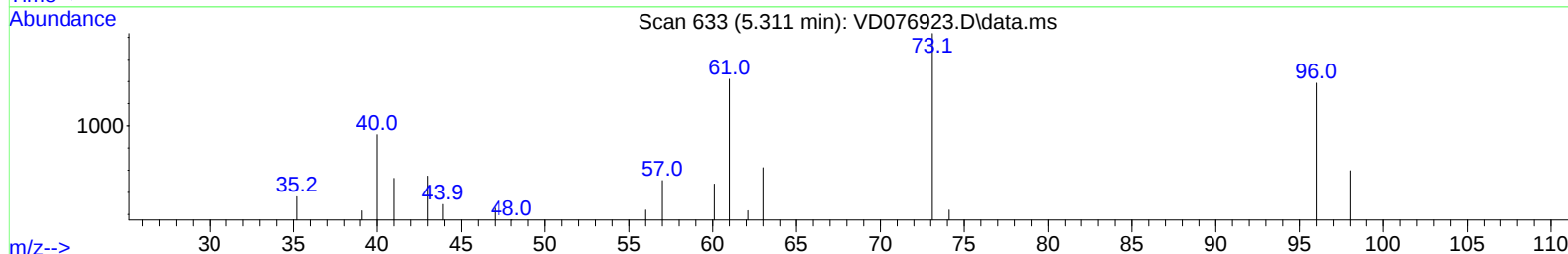
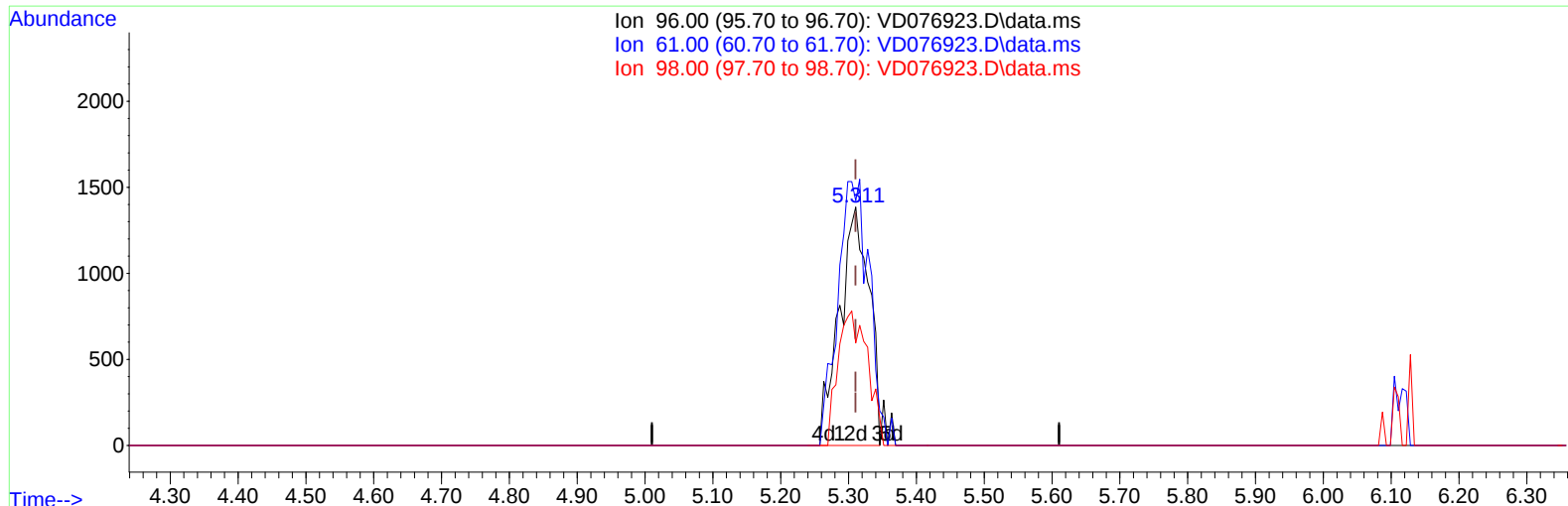
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 Sample : 03573-04  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
 Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration



TIC: VD076923.D\data.ms

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

5.311min (+ 0.000) 0.94 ug/L m

response 4196

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 135.00 | 102.67 |
| 98.00 | 65.70  | 43.03# |
| 0.00  | 0.00   | 0.00   |

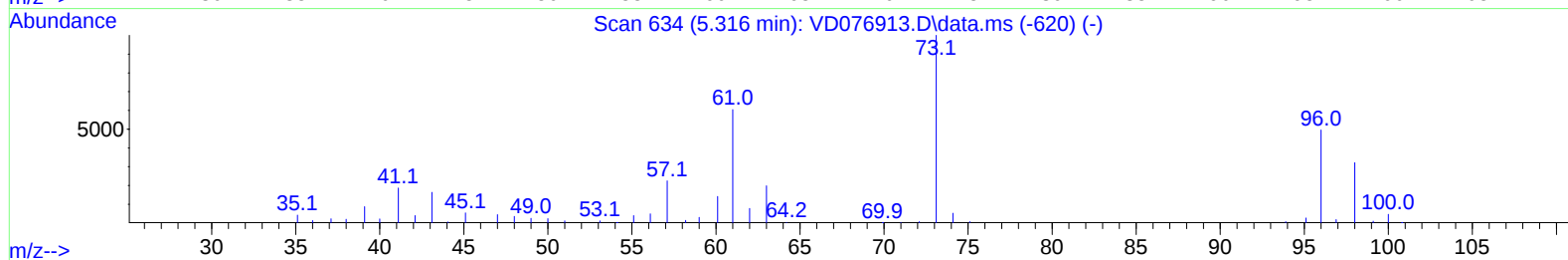
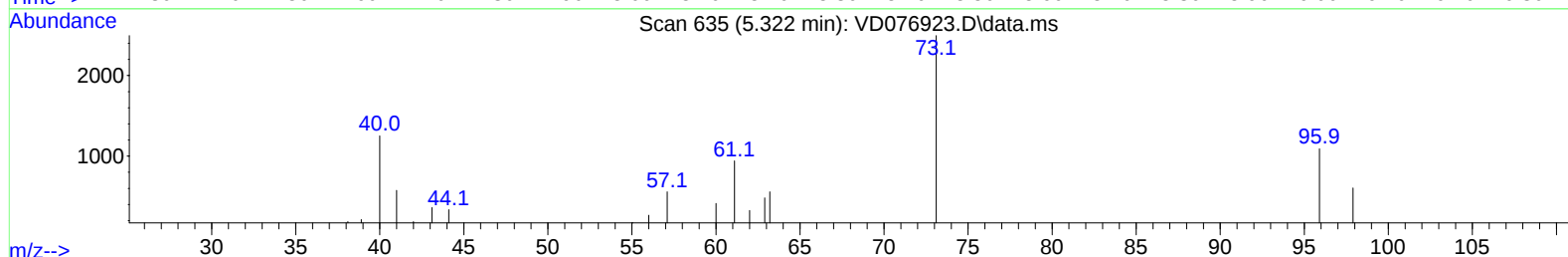
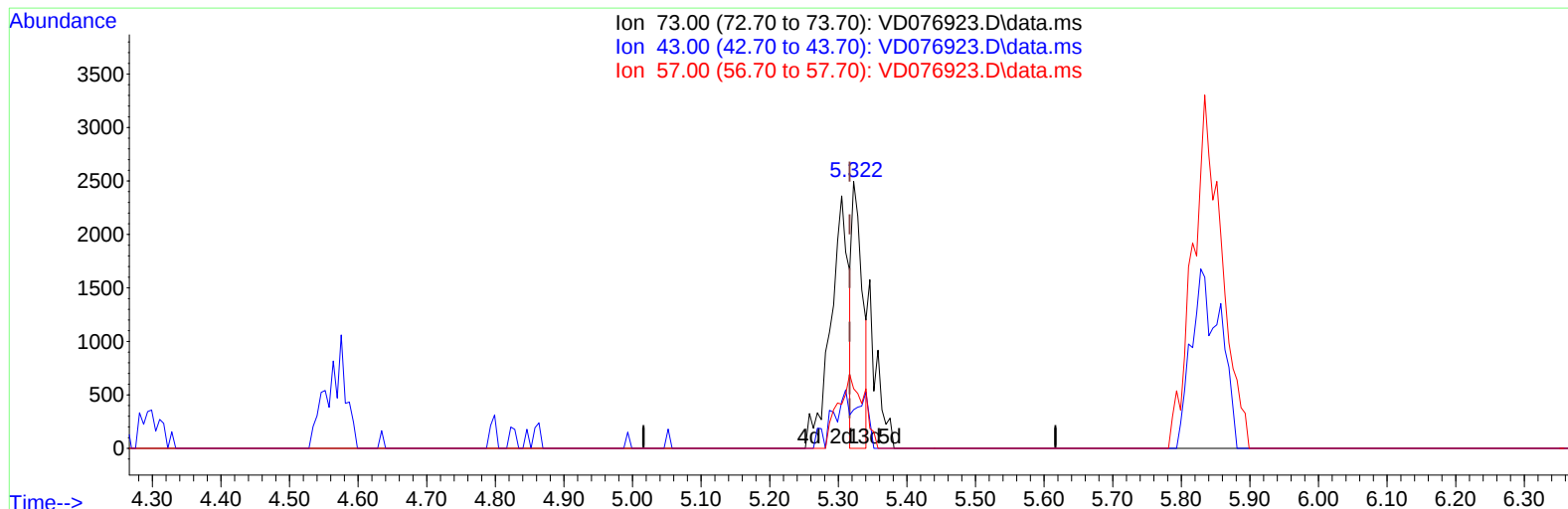
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

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

5.322min (+ 0.006) 0.26 ug/L

response 2591

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 73.00 | 100.00 | 100.00 |
| 43.00 | 9.00   | 17.68# |
| 57.00 | 23.30  | 56.16# |
| 0.00  | 0.00   | 0.00   |

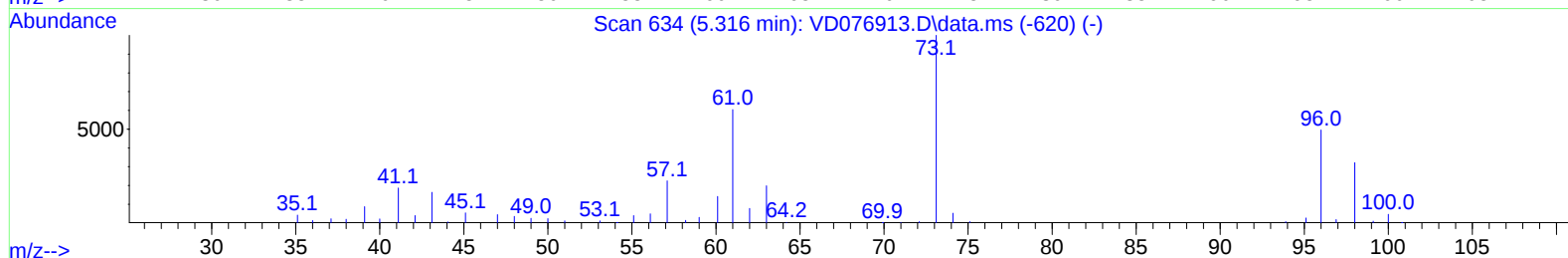
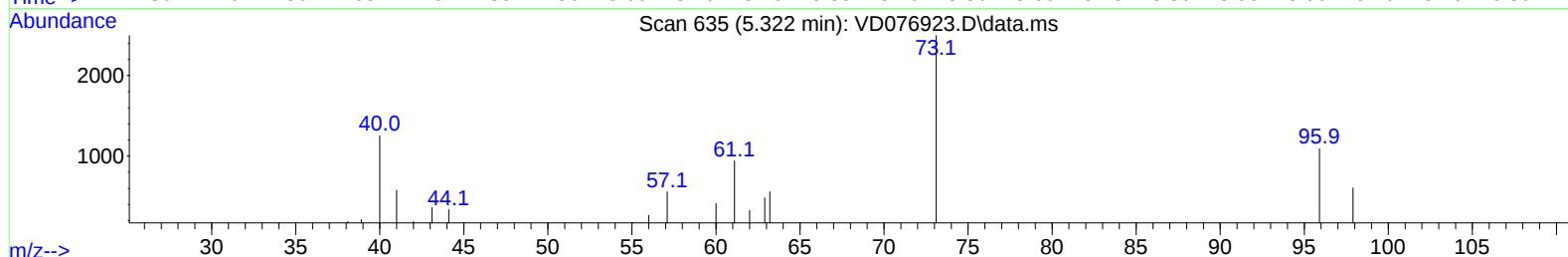
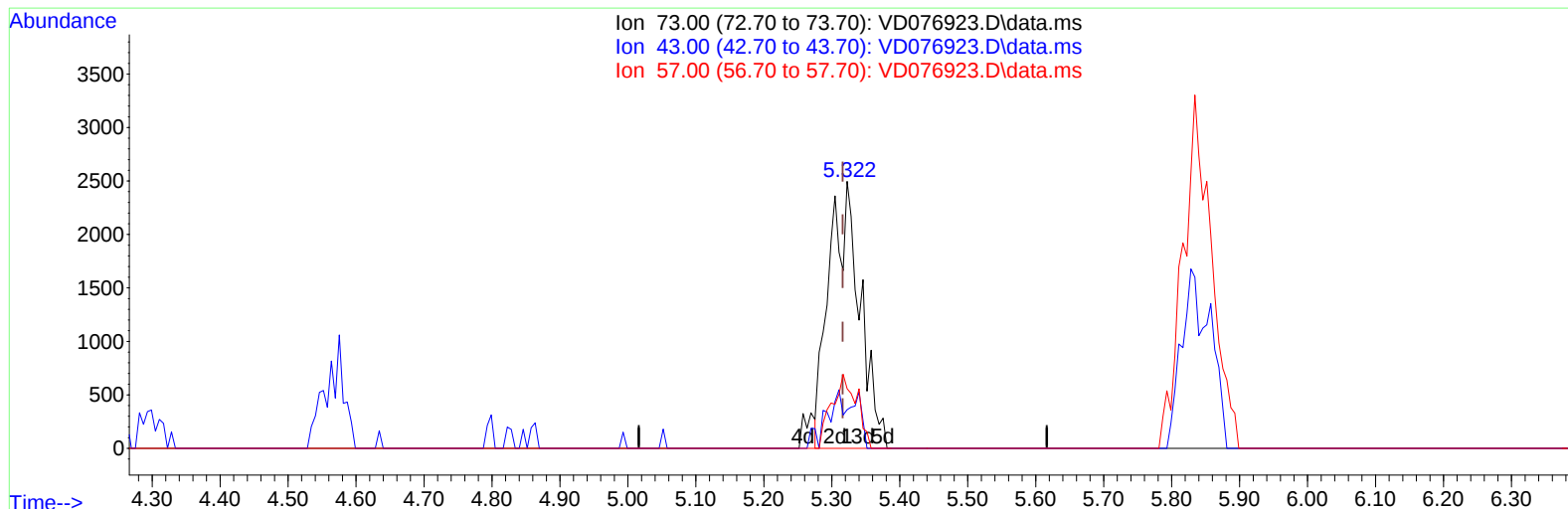
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 Data File : VD076923.D  
 Acq On : 04 Aug 2023 13:13  
 Operator : KP/SY  
 Sample : 03573-04  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
 Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration



TIC: VD076923.D\data.ms

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

5.322min (+ 0.006) 0.80 ug/L m

response 7891

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 73.00 | 100.00 | 100.00 |
| 43.00 | 9.00   | 5.80#  |
| 57.00 | 23.30  | 18.44# |
| 0.00  | 0.00   | 0.00   |

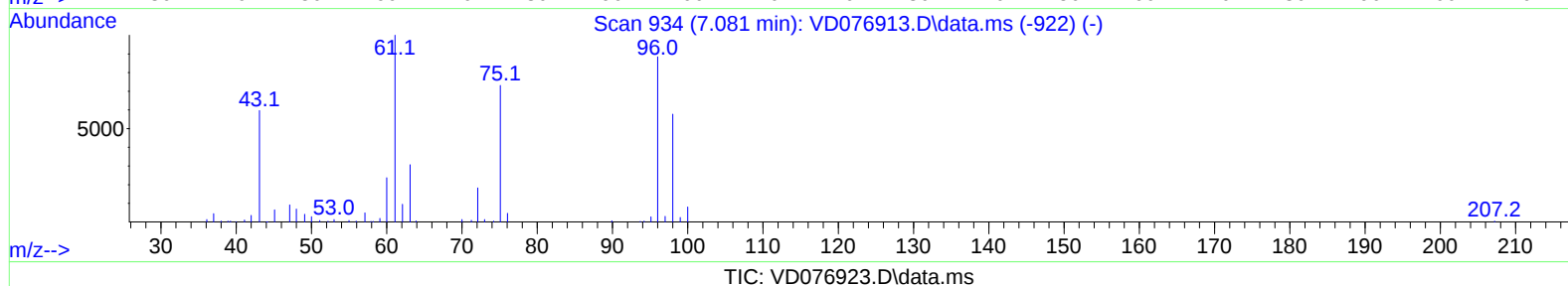
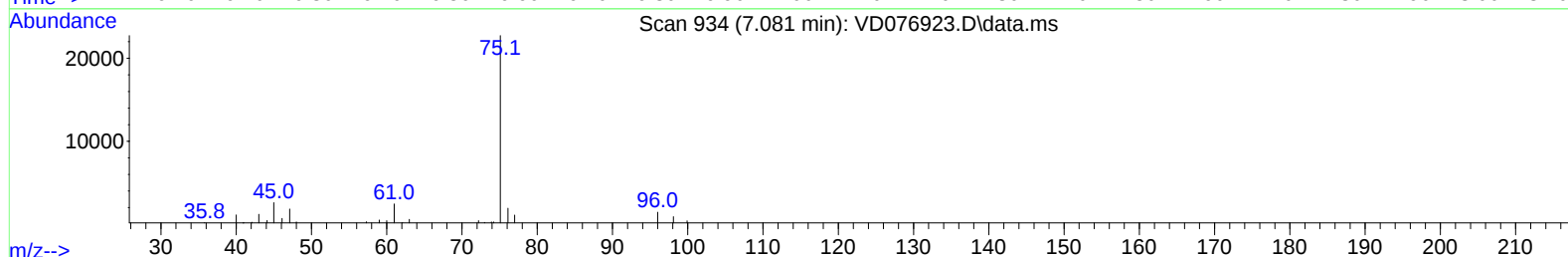
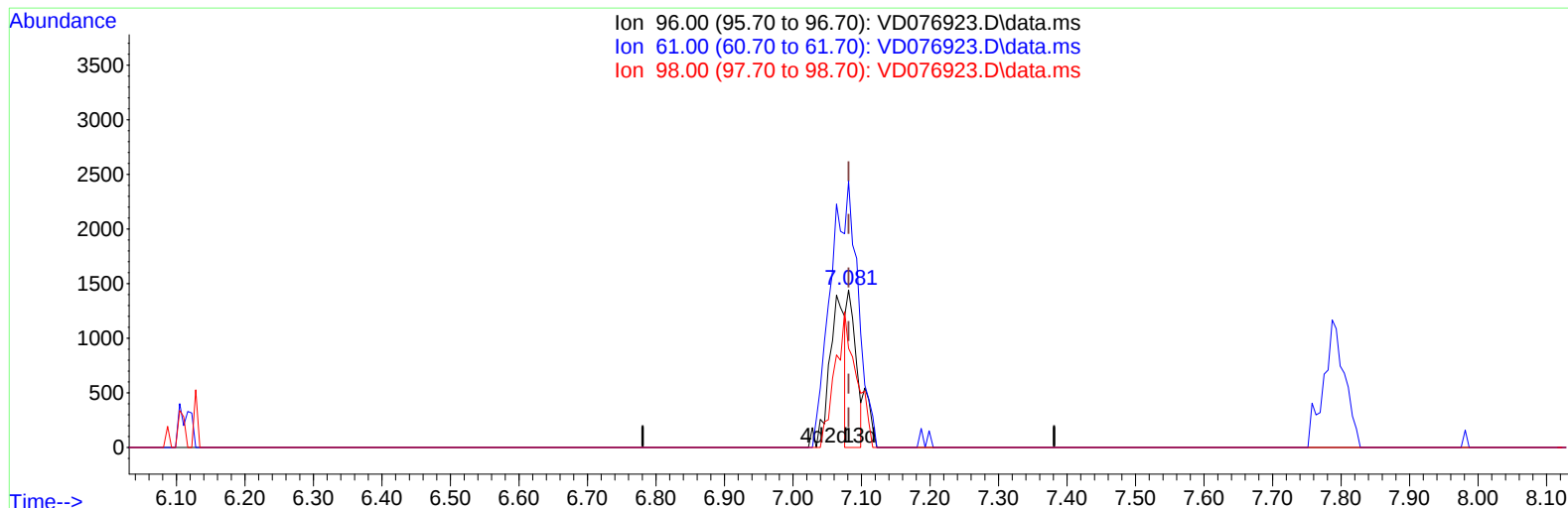
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

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

7.081min (+ 0.000) 0.27 ug/L

response 1338

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00  |
| 61.00 | 122.80 | 169.07# |
| 98.00 | 60.30  | 62.90   |
| 0.00  | 0.00   | 0.00    |

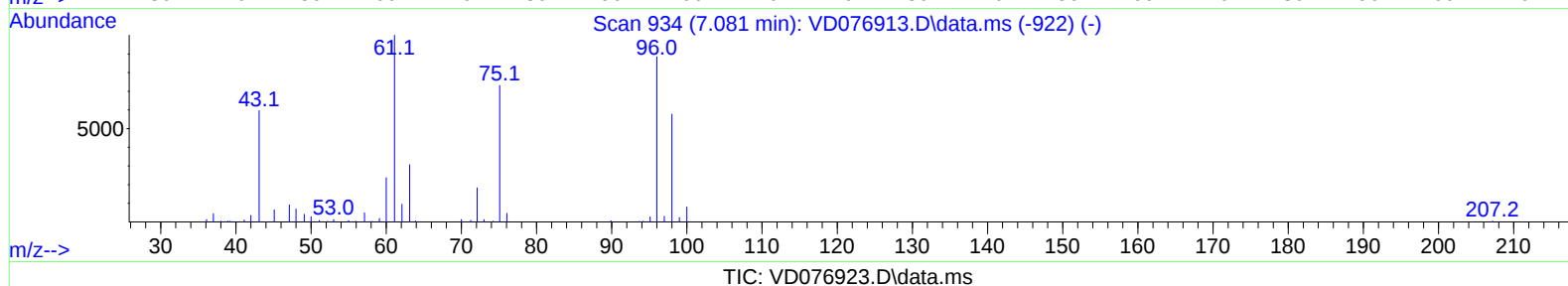
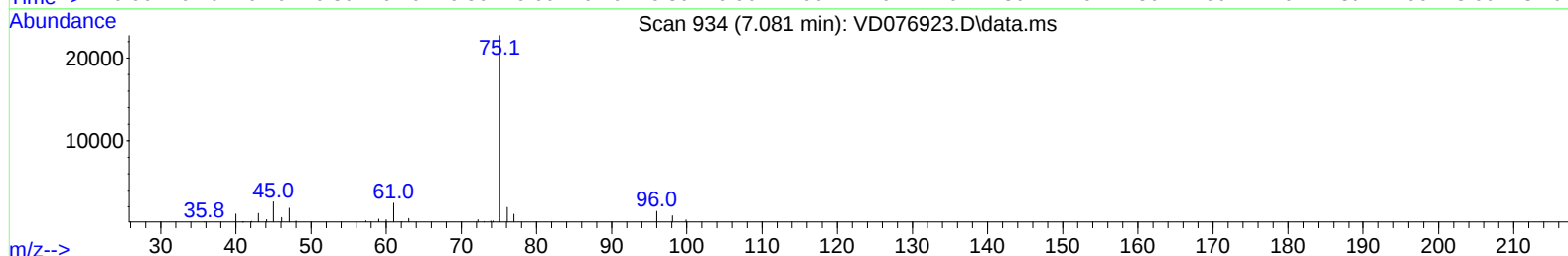
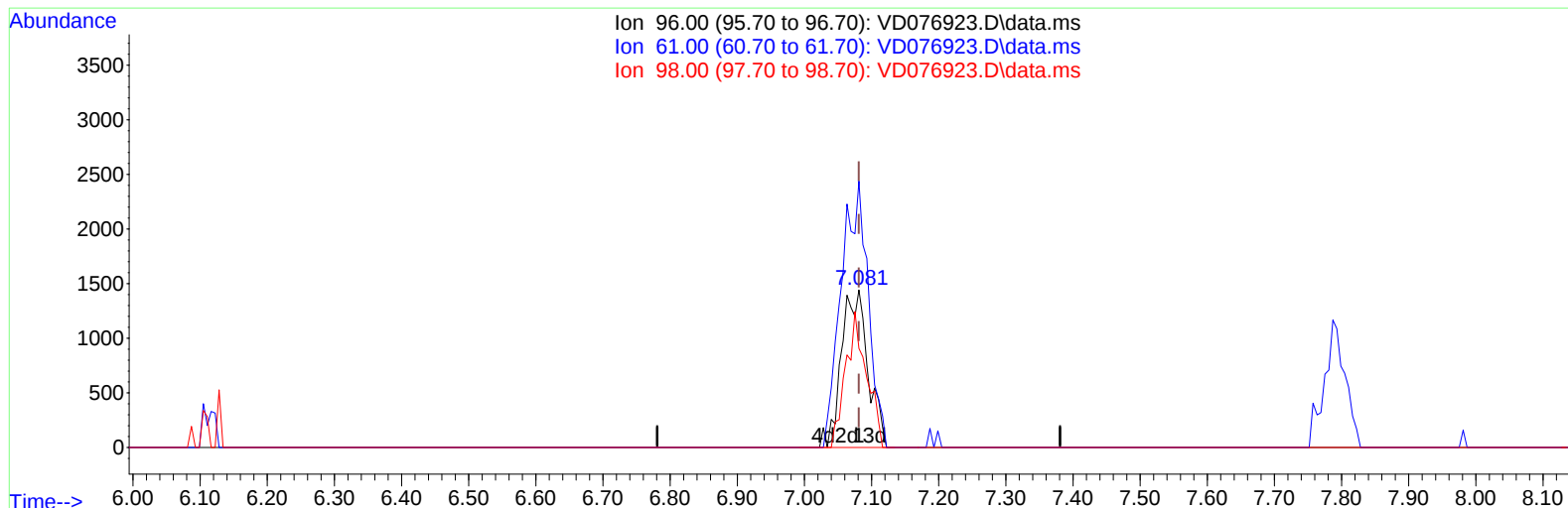
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

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

7.081min (+ 0.000) 0.79 ug/L m

response 3961

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 96.00 | 100.00 | 100.00  |
| 61.00 | 122.80 | 169.07# |
| 98.00 | 60.30  | 62.90   |
| 0.00  | 0.00   | 0.00    |

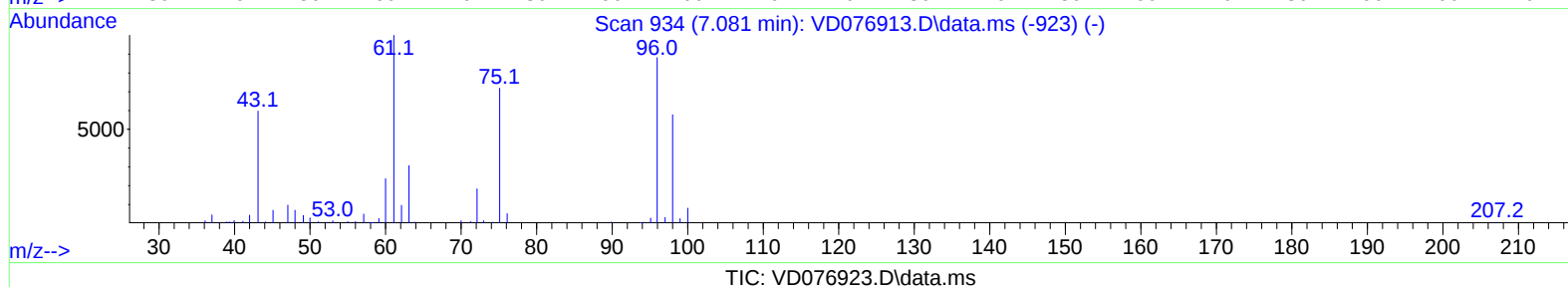
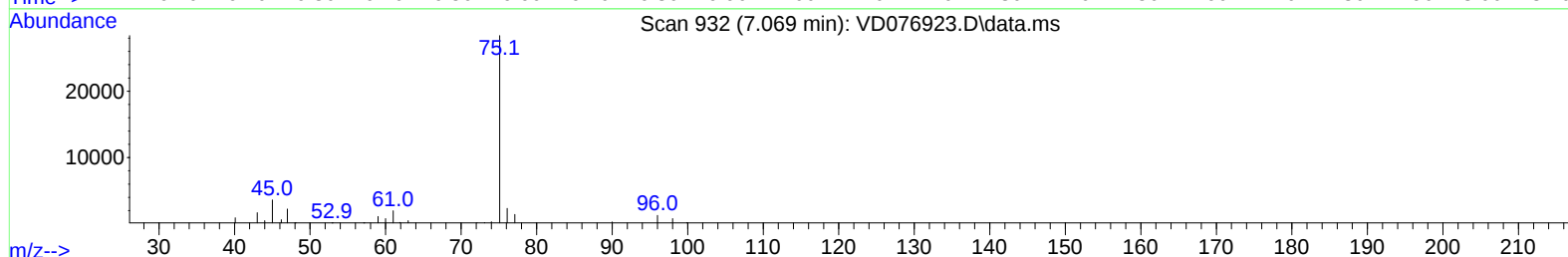
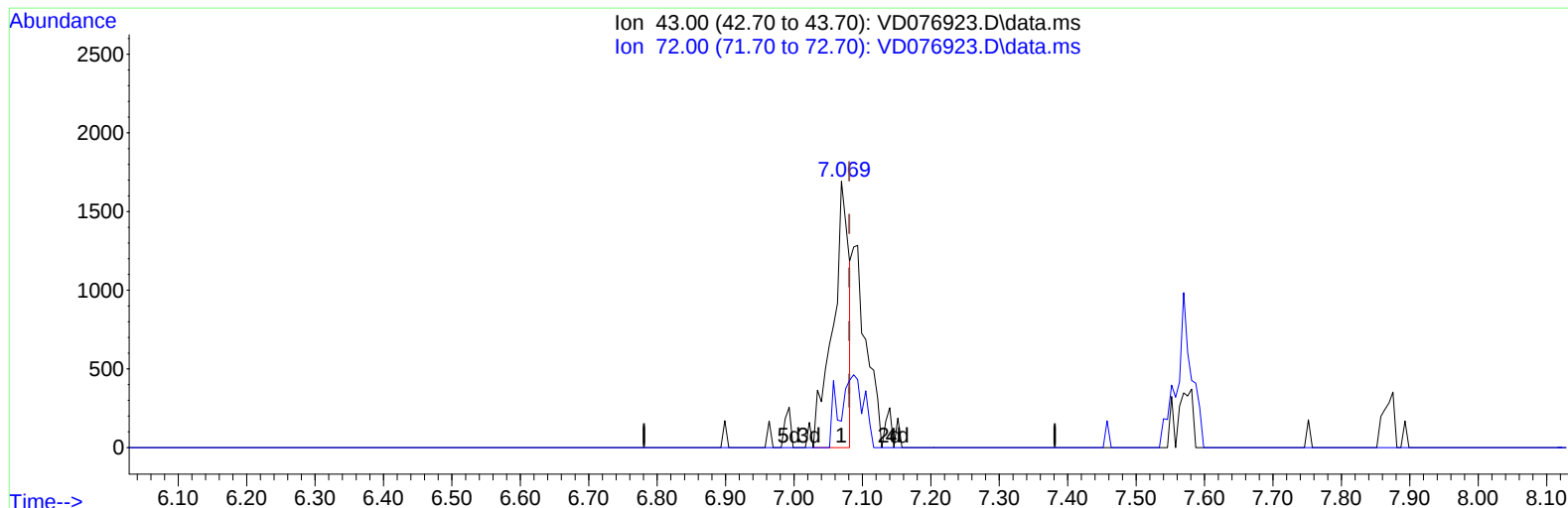
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (22) 2-Butanone (T)

7.069min (-0.012) 1.63 ug/L

response 2758

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.80  | 9.79#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

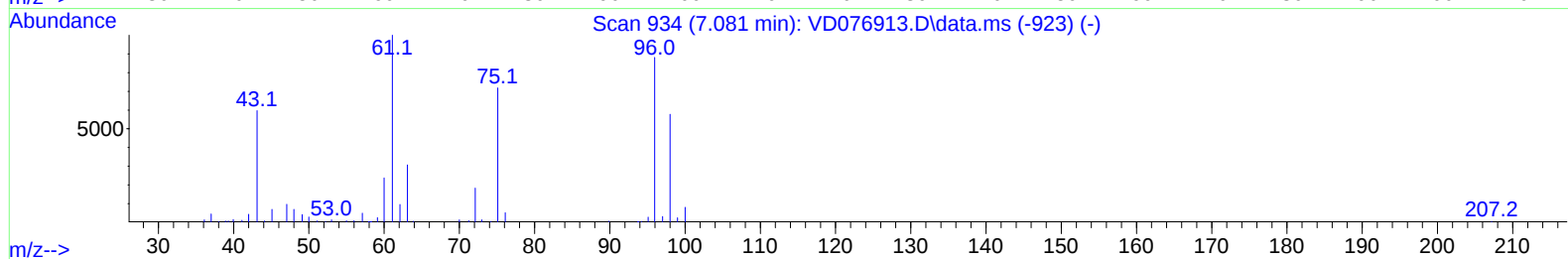
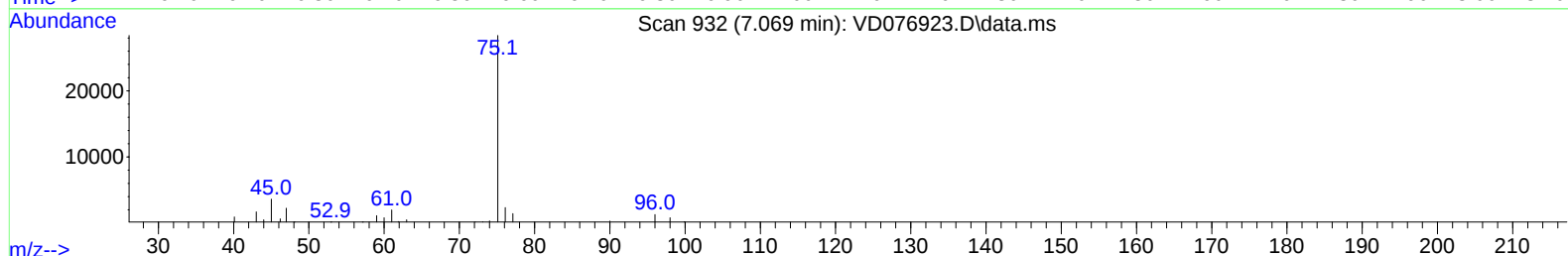
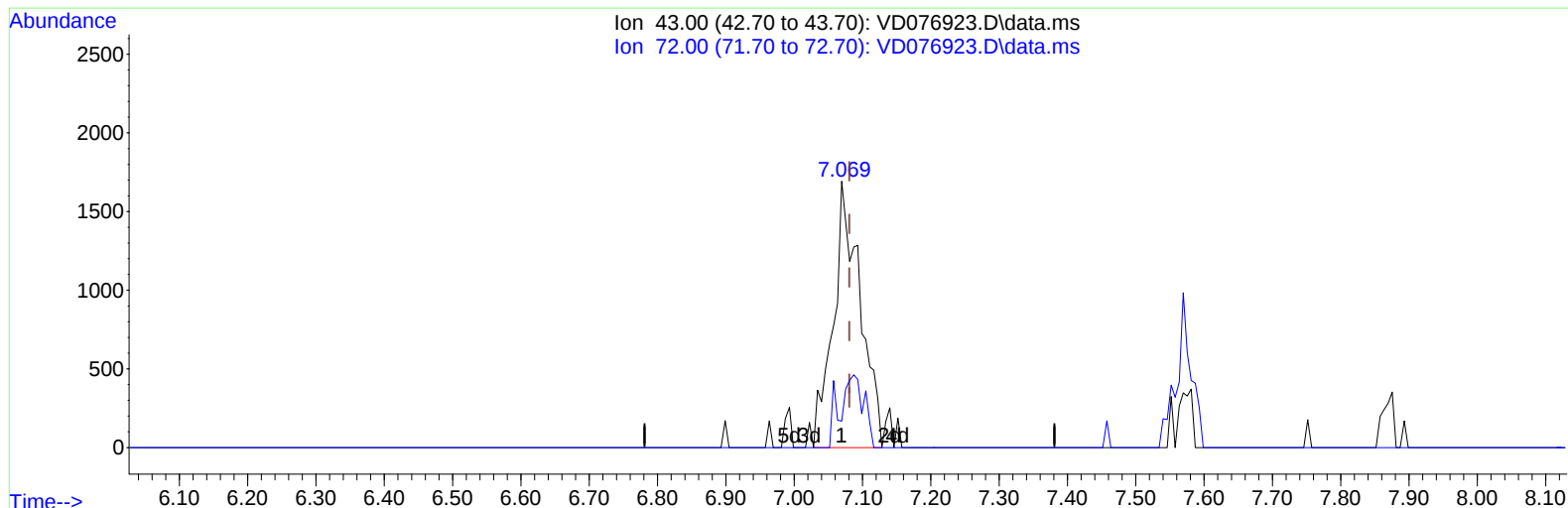
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (22) 2-Butanone (T)

7.069min (-0.012) 2.73 ug/L m

response 4626

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 25.80  | 5.84#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

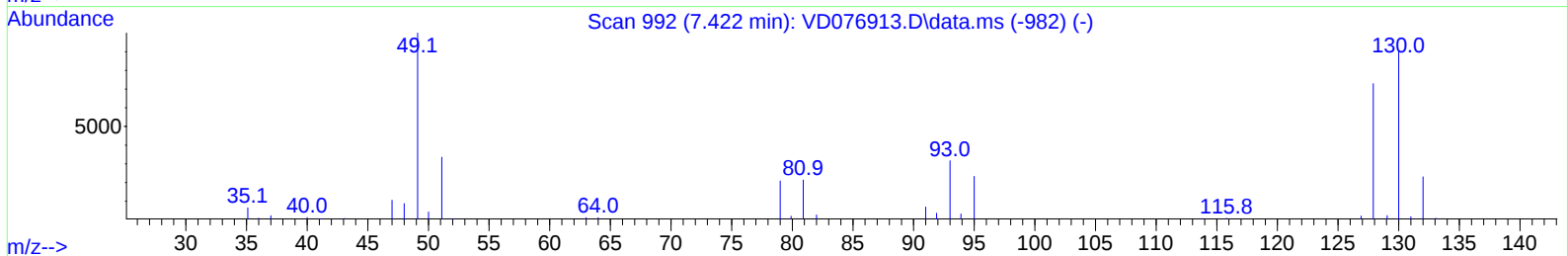
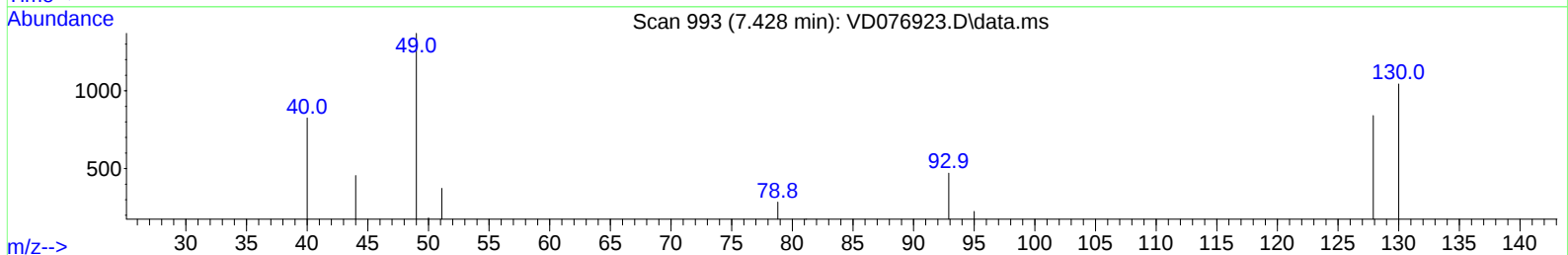
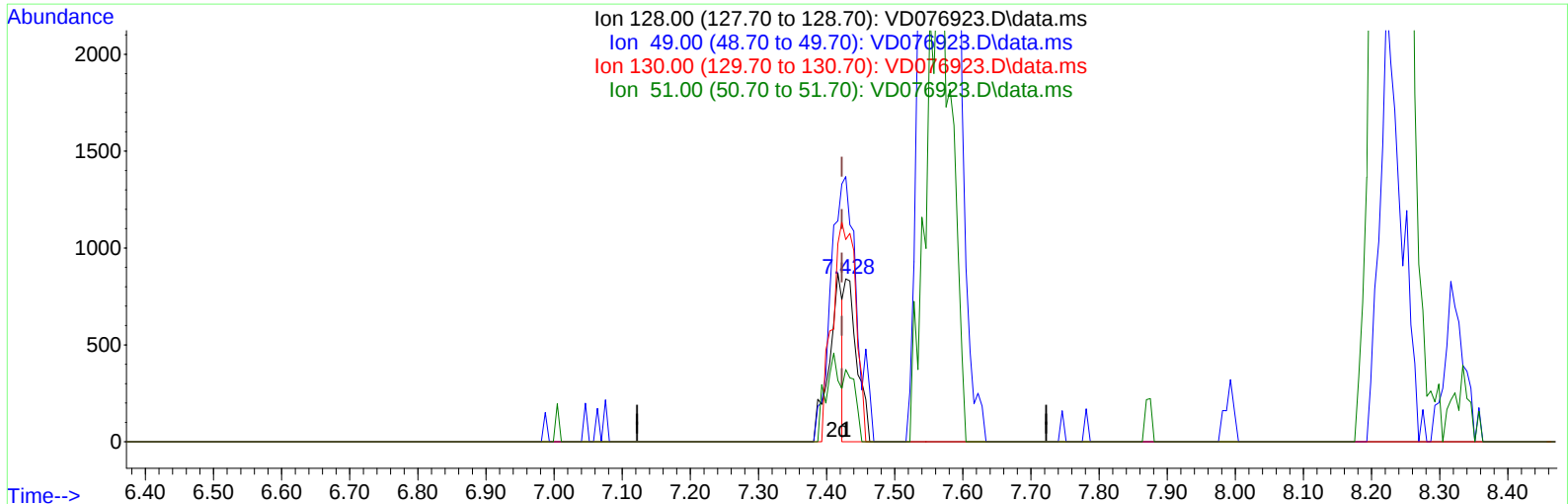
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
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Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (23) Bromochloromethane (T)

7.428min (+ 0.006) 0.45 ug/L

response 1094

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 49.00  | 178.20 | 162.78 |
| 130.00 | 114.30 | 124.14 |
| 51.00  | 53.40  | 44.35  |

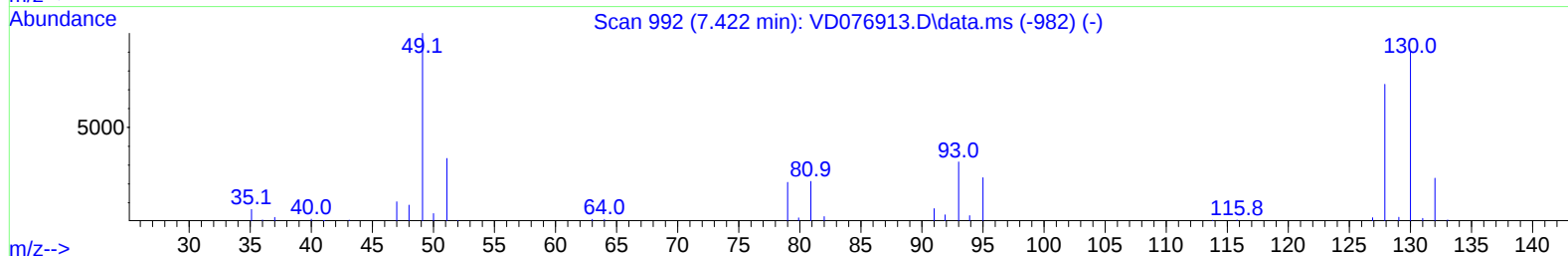
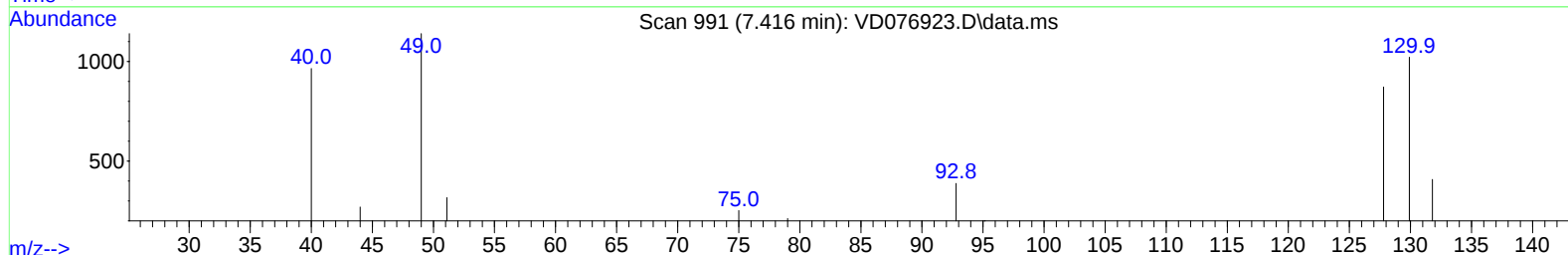
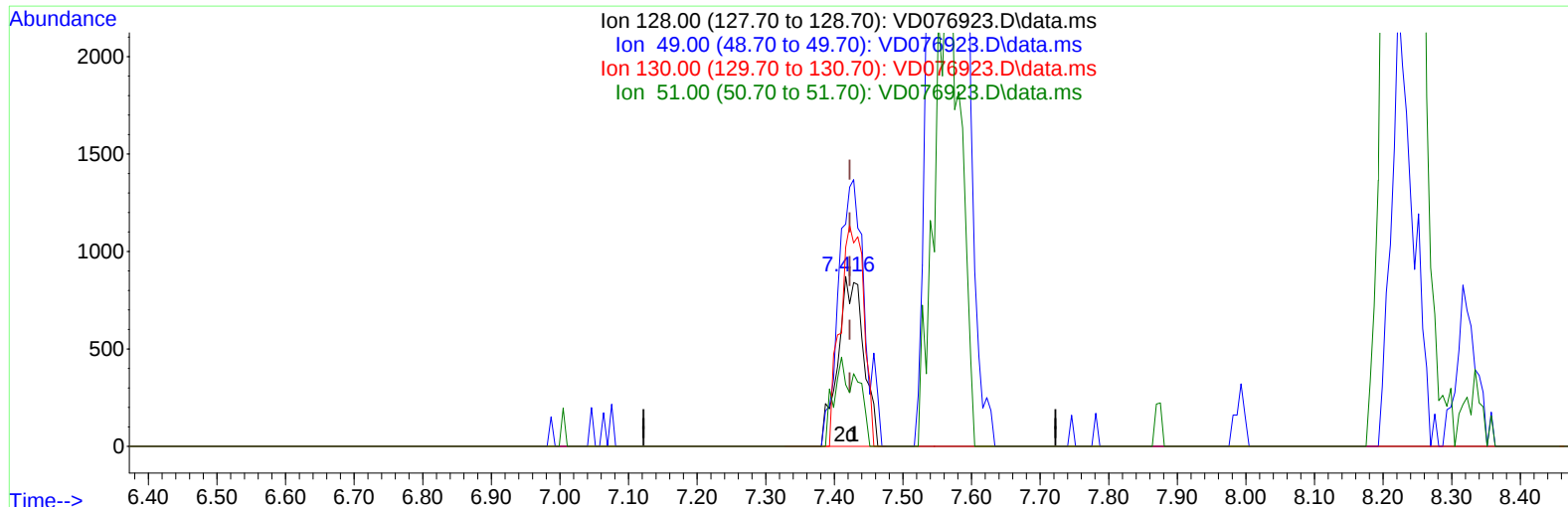
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
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Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (23) Bromochloromethane (T)

7.416min (-0.006) 0.94 ug/L m

response 2268

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100.00 | 100.00 |
| 49.00  | 178.20 | 130.73 |
| 130.00 | 114.30 | 117.20 |
| 51.00  | 53.40  | 36.35# |

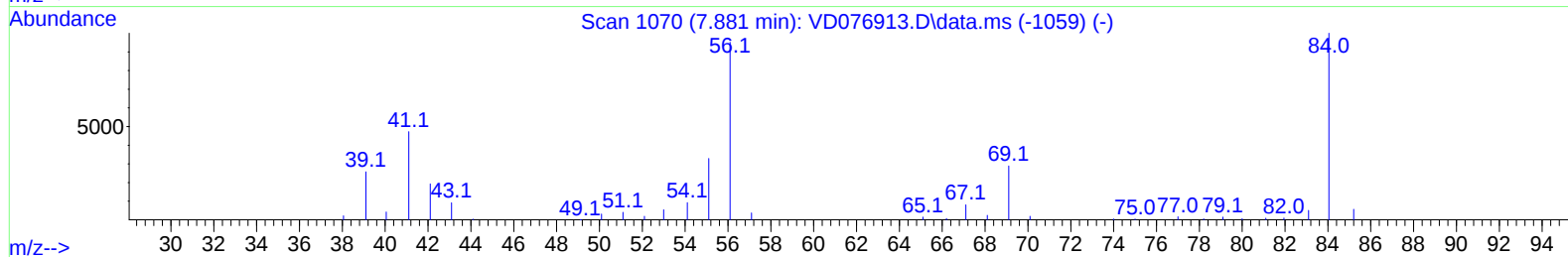
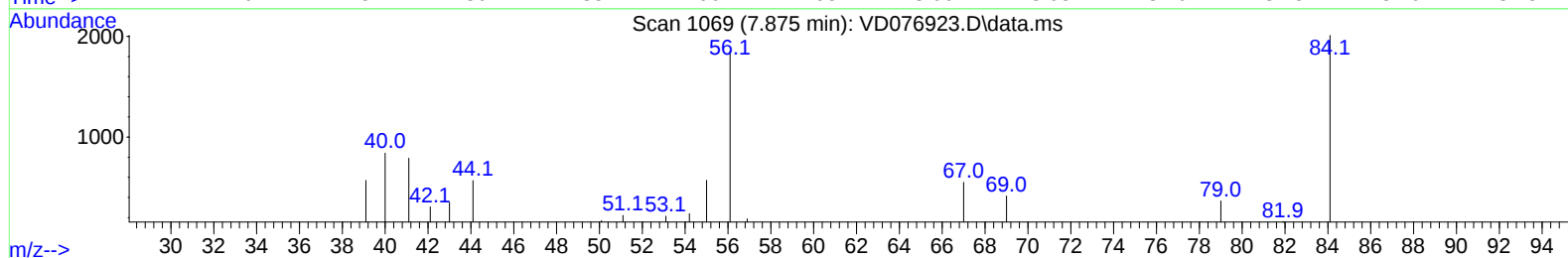
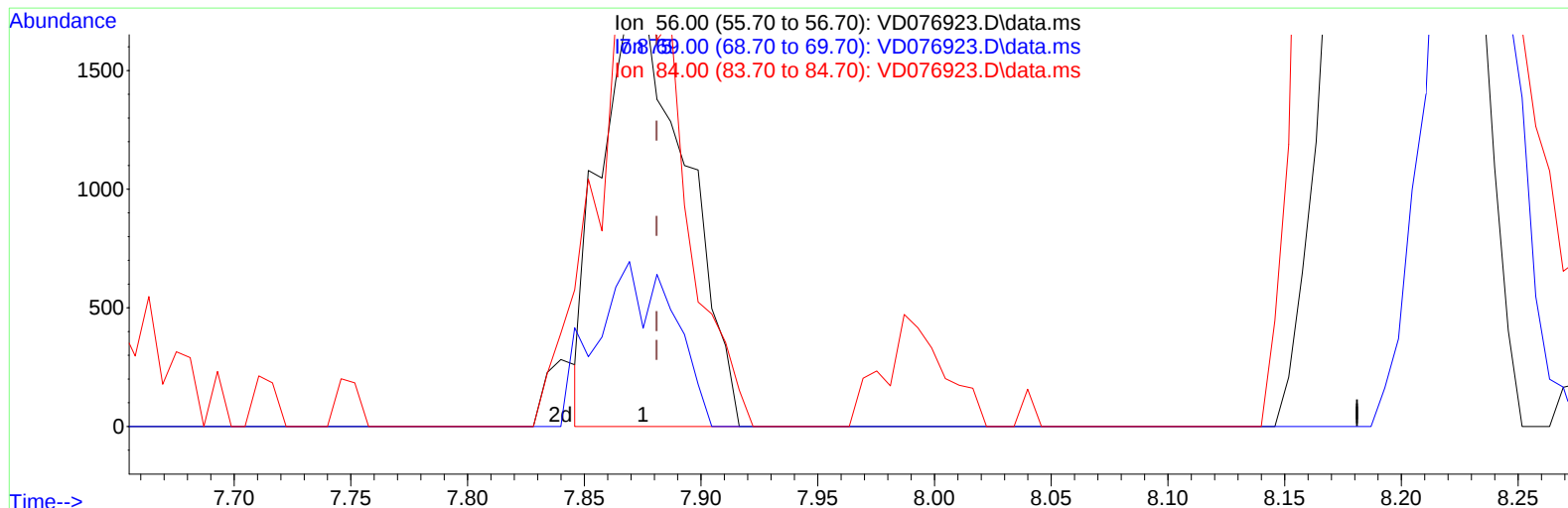
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Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

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Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (29) Cyclohexane (T)

7.875min (-0.006) 0.78 ug/L

response 4559

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00  |
| 69.00 | 29.20  | 13.14#  |
| 84.00 | 82.90  | 111.06# |
| 0.00  | 0.00   | 0.00    |

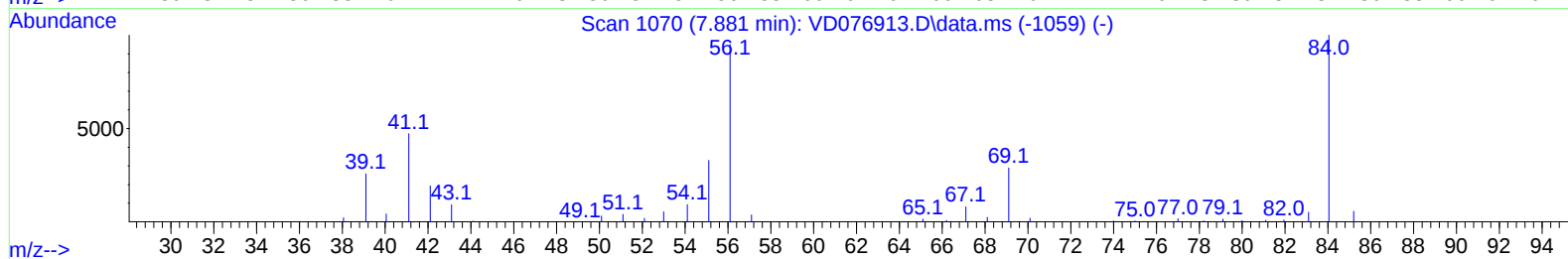
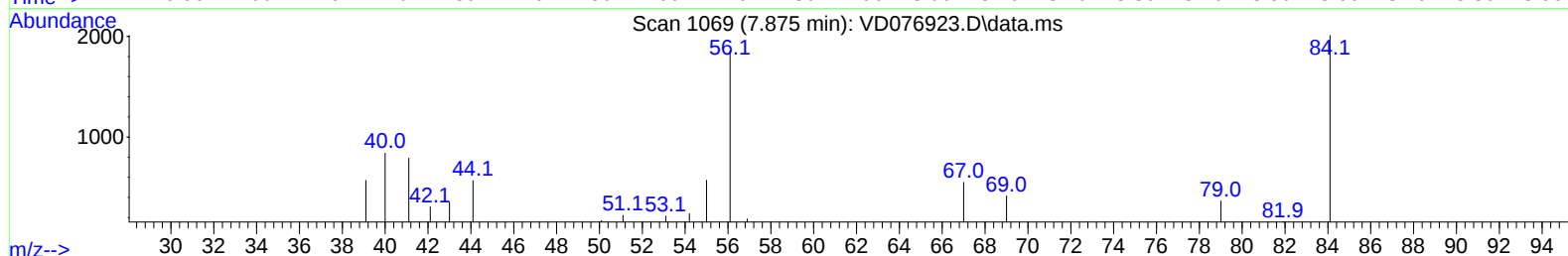
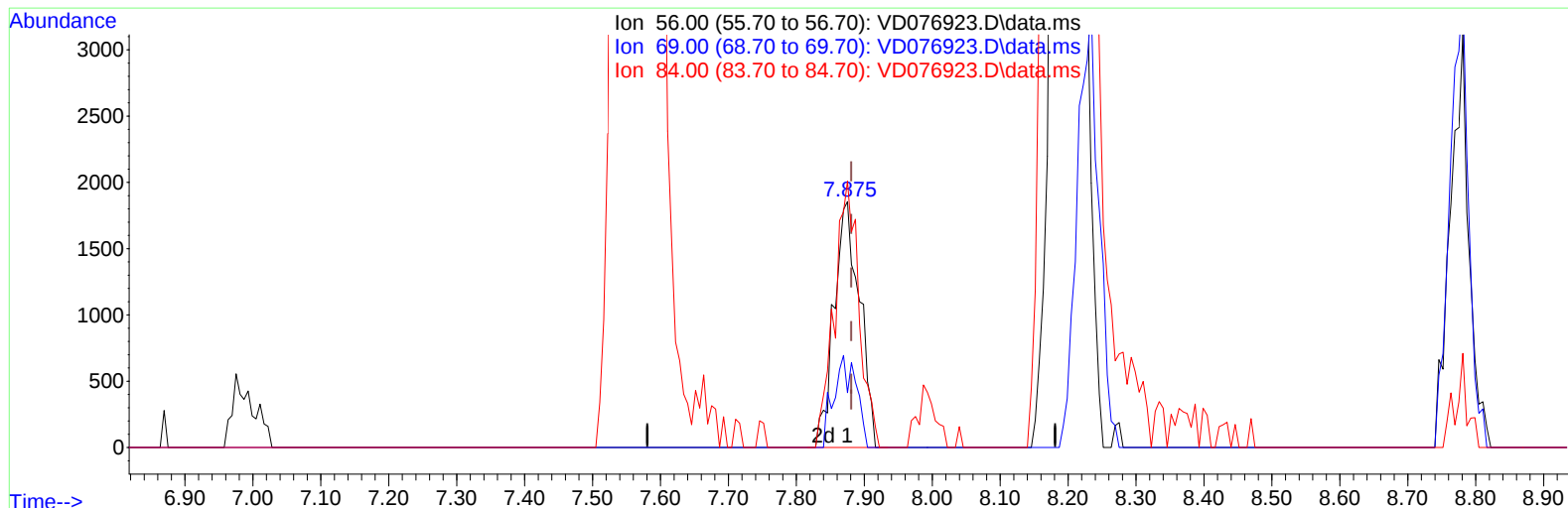
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 Data File : VD076923.D  
 Acq On : 04 Aug 2023 13:13  
 Operator : KP/SY  
 Sample : 03573-04  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
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Quant Time: Aug 05 00:17:12 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 04 02:21:25 2023  
 Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (29) Cyclohexane (T)

7.875min (-0.006) 0.82 ug/L m

response 4830

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 56.00 | 100.00 | 100.00  |
| 69.00 | 29.20  | 12.40#  |
| 84.00 | 82.90  | 104.82# |
| 0.00  | 0.00   | 0.00    |

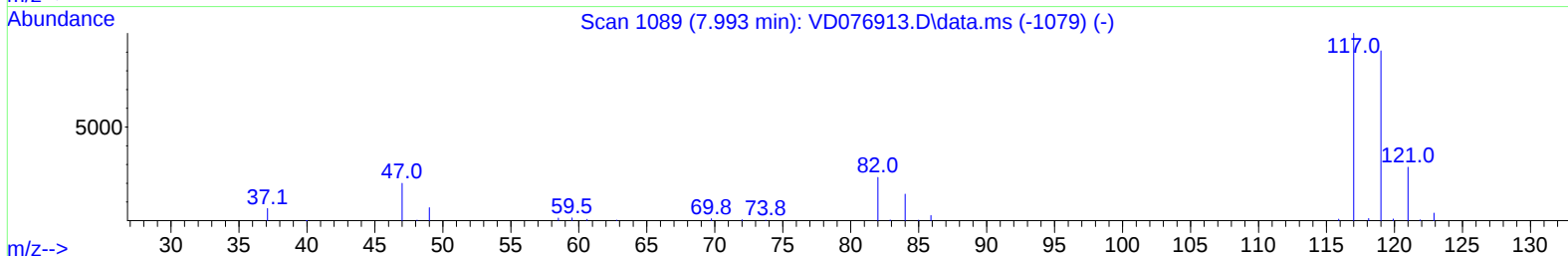
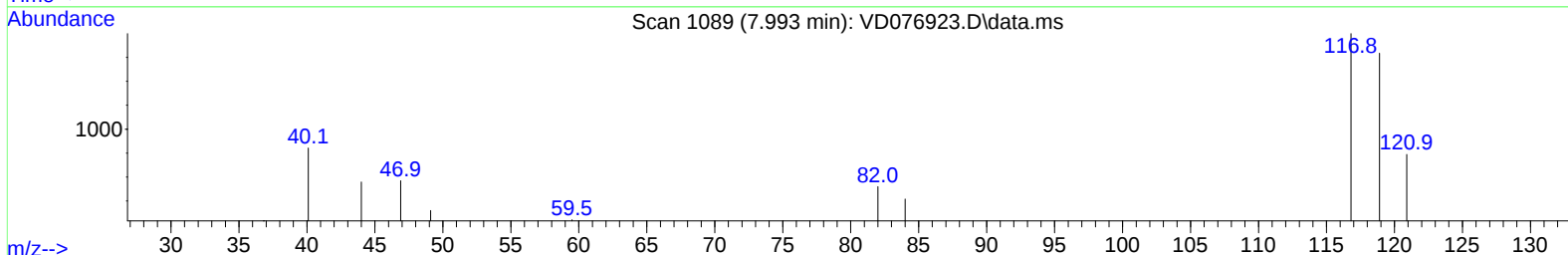
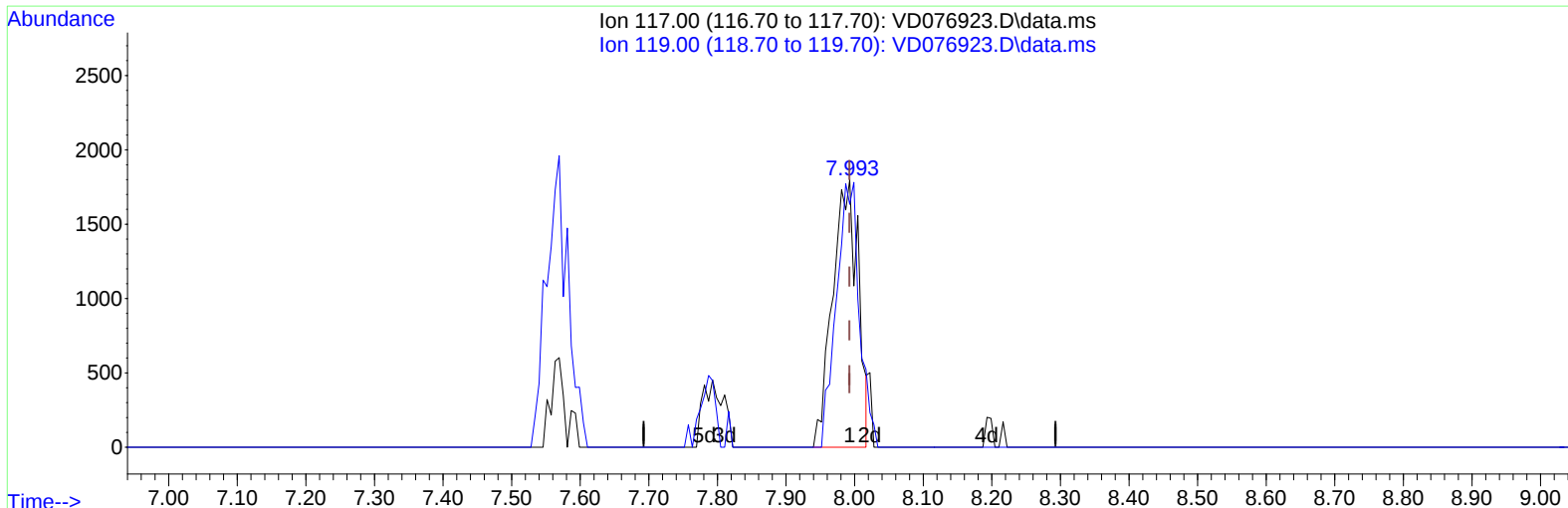
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
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Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (31) Carbon tetrachloride (T)

7.993min (+ 0.000) 0.86 ug/L

response 4637

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 117.00 | 100.00 | 100.00 |
| 119.00 | 97.20  | 89.43  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

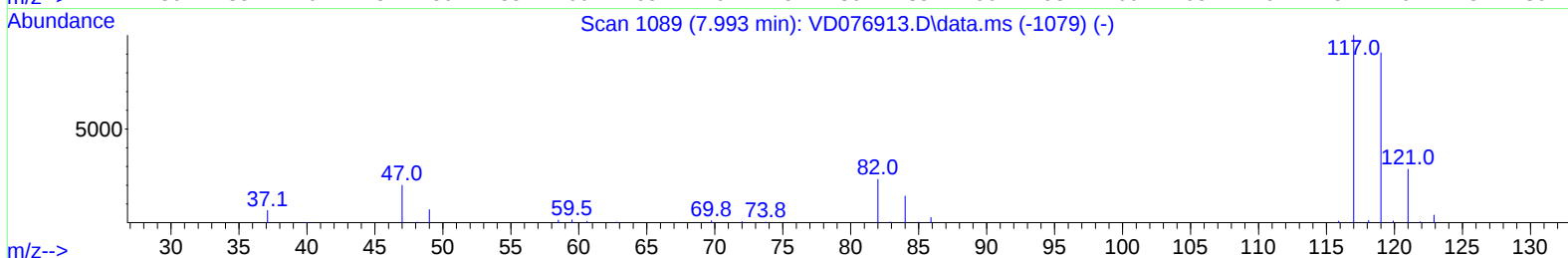
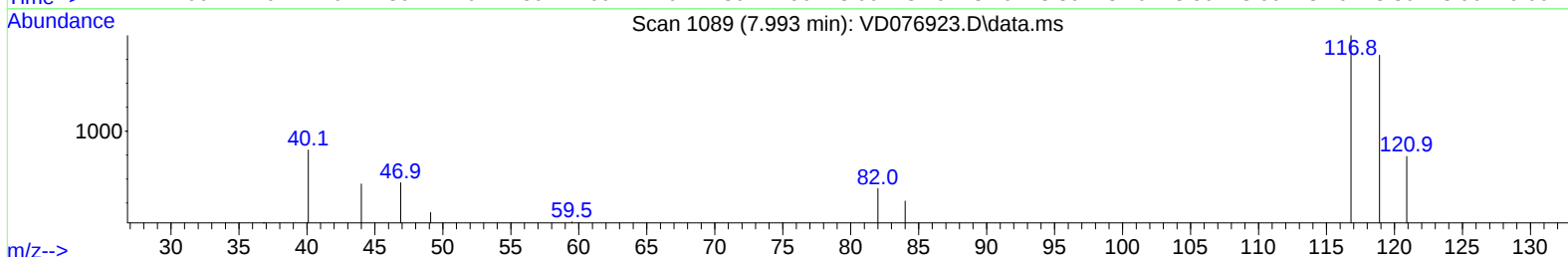
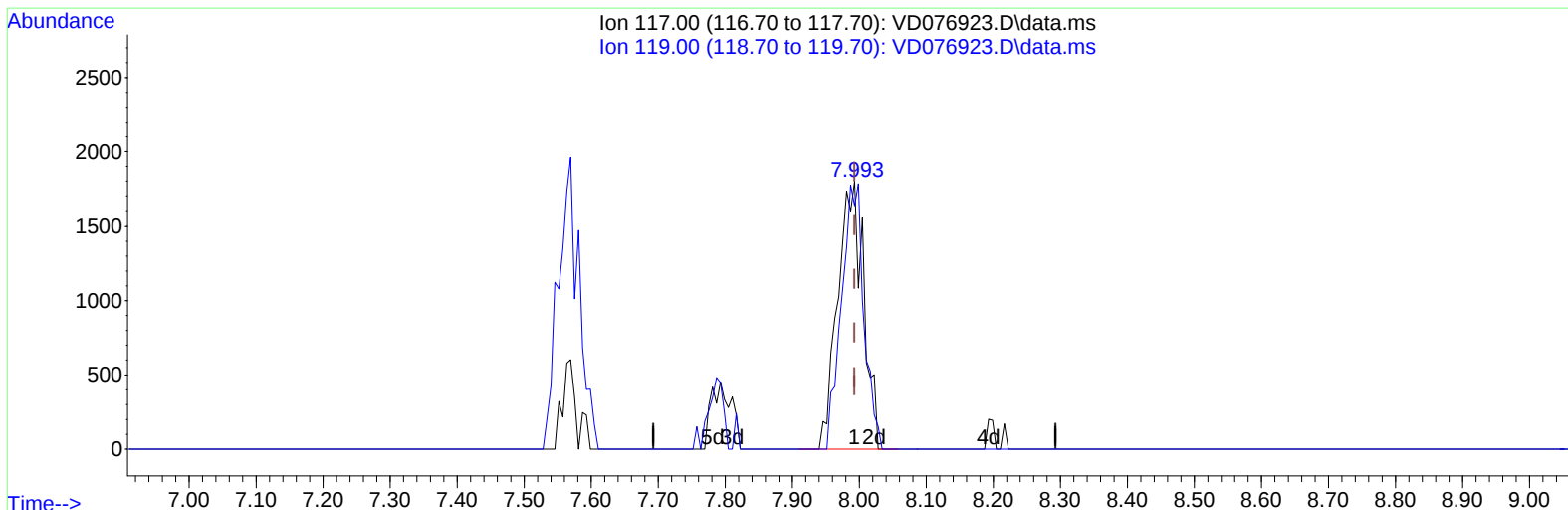
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

## Manual IntegrationsAPPROVED

Reviewed By :Mahesh Dadoda 08/07/2023  
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

**(31) Carbon tetrachloride (T)**

7.993min (+ 0.000) 0.89 ug/L m

response 4815

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 117.00 | 100.00 | 100.00 |
| 119.00 | 97.20  | 86.13  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

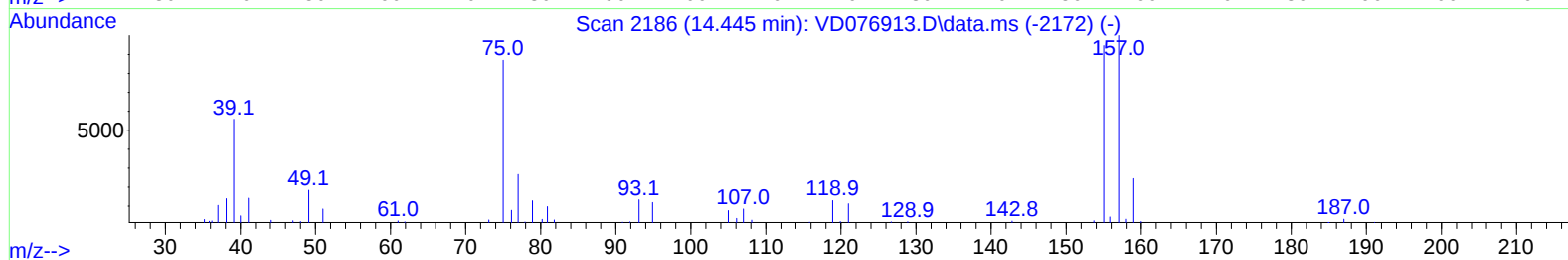
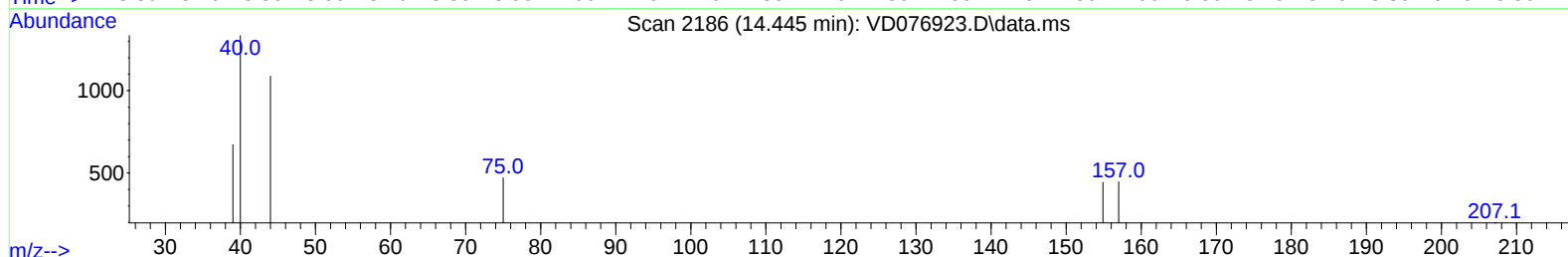
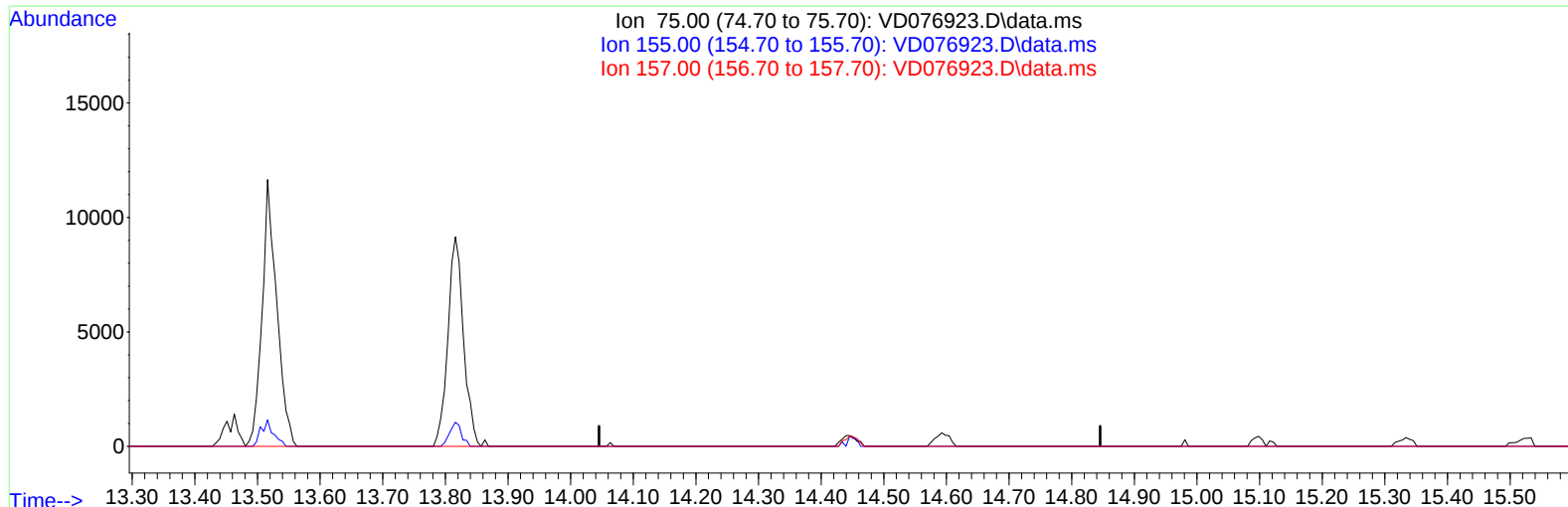
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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TIC: VD076923.D\data.ms

## (68) 1,2-Dibromo-3-chloropropane (T)

14.445min (-14.445) 0.00 ug/L

| response | 0      |       |
|----------|--------|-------|
| Ion      | Exp%   | Act%  |
| 75.00    | 100.00 | 0.00  |
| 155.00   | 95.30  | 0.00# |
| 157.00   | 111.80 | 0.00# |
| 0.00     | 0.00   | 0.00  |

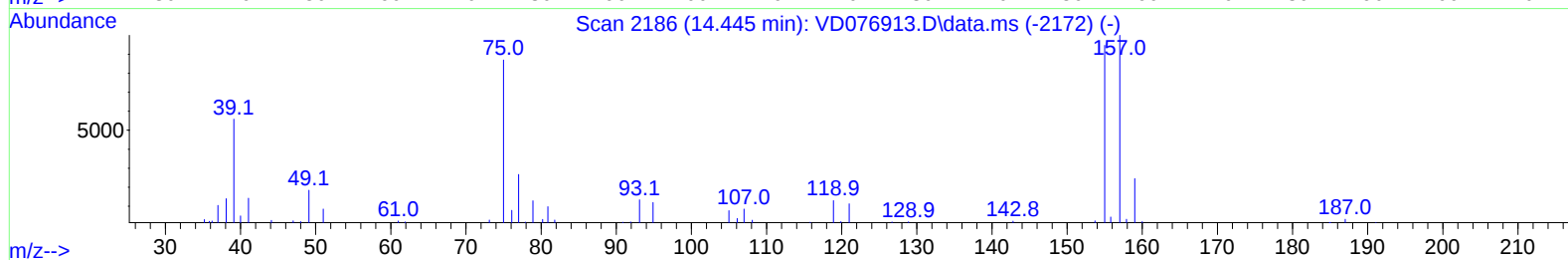
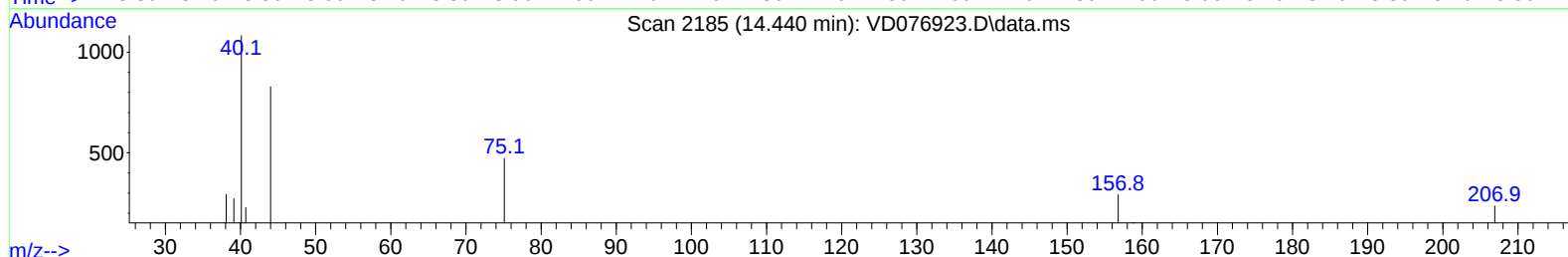
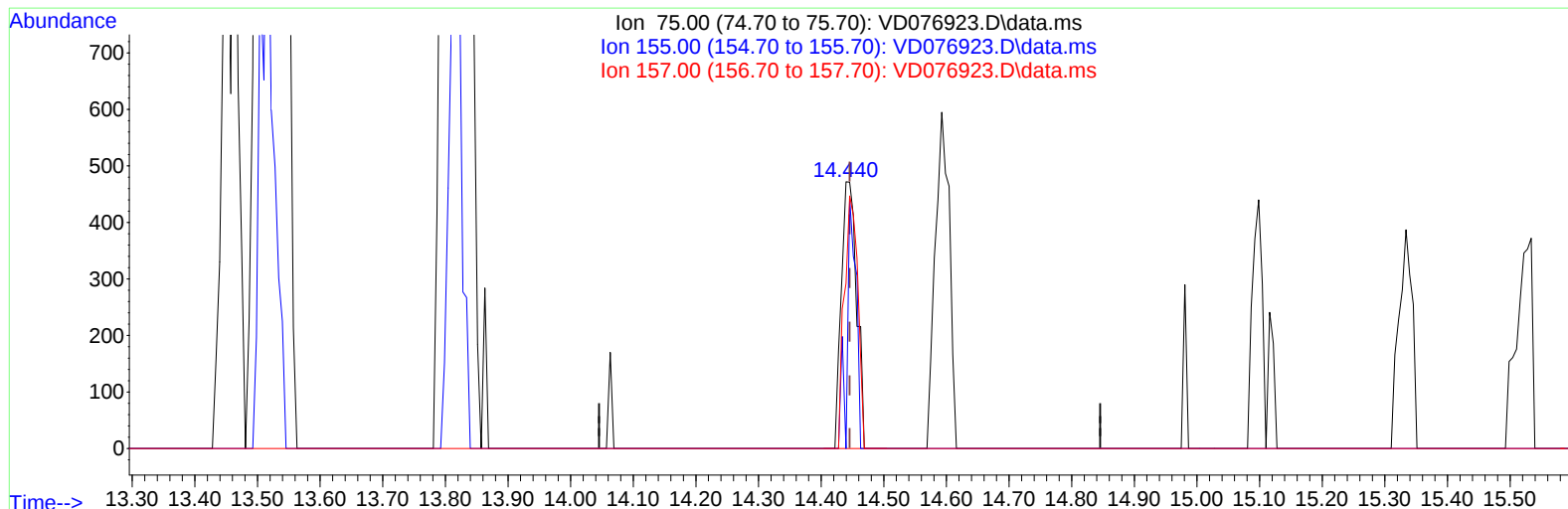
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
 Data File : VD076923.D  
 Acq On : 04 Aug 2023 13:13  
 Operator : KP/SY  
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 Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (68) 1,2-Dibromo-3-chloropropane (T)

14.440min (-0.006) 1.21 ug/L m

response 803

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 75.00  | 100.00 | 100.00 |
| 155.00 | 95.30  | 0.00#  |
| 157.00 | 111.80 | 61.86# |
| 0.00   | 0.00   | 0.00   |

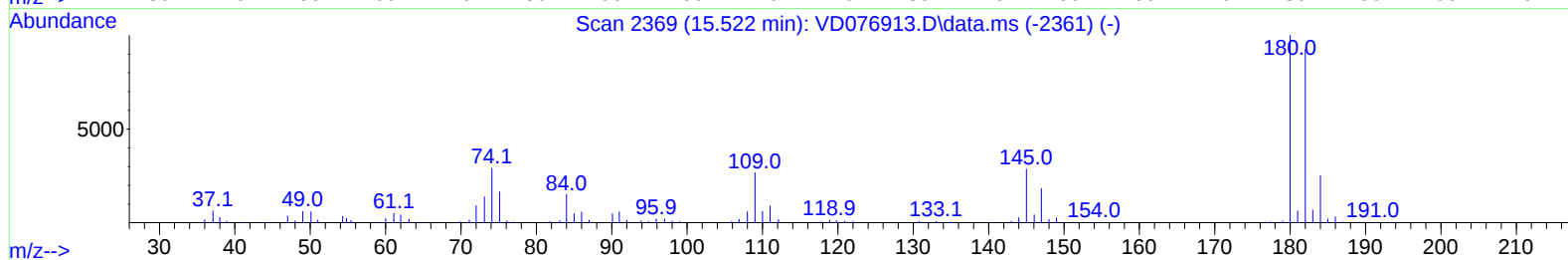
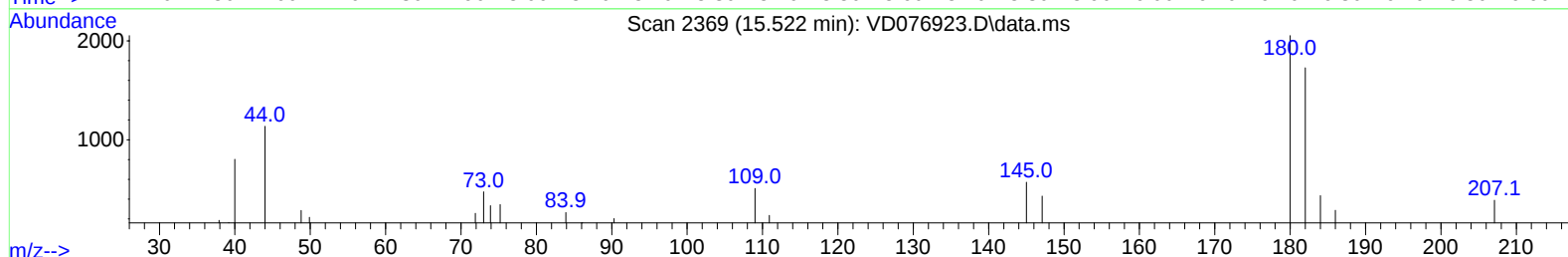
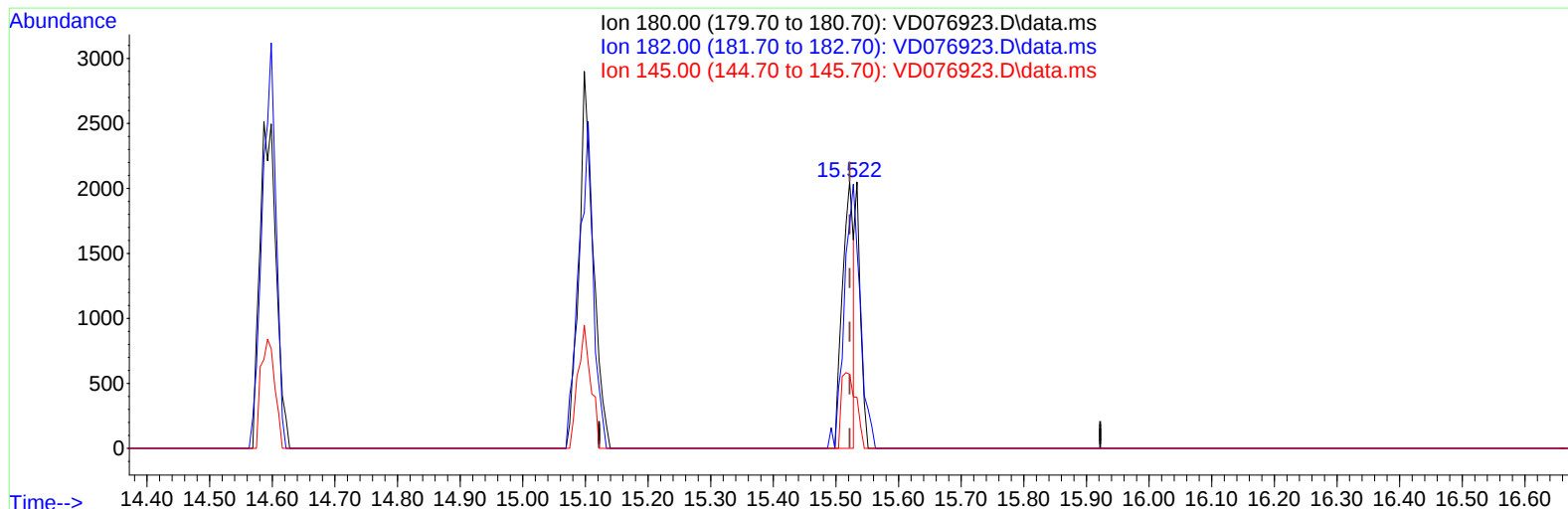
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 Data File : VD076923.D  
 Acq On : 04 Aug 2023 13:13  
 Operator : KP/SY  
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 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
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TIC: VD076923.D\data.ms

## (72) 1,2,3-Trichlorobenzene (T)

15.522min (+ 0.000) 0.63 ug/L

response 2561

| Ion    | Exp%   | Act%    |
|--------|--------|---------|
| 180.00 | 100.00 | 100.00  |
| 182.00 | 92.90  | 136.59# |
| 145.00 | 31.30  | 36.78   |
| 0.00   | 0.00   | 0.00    |

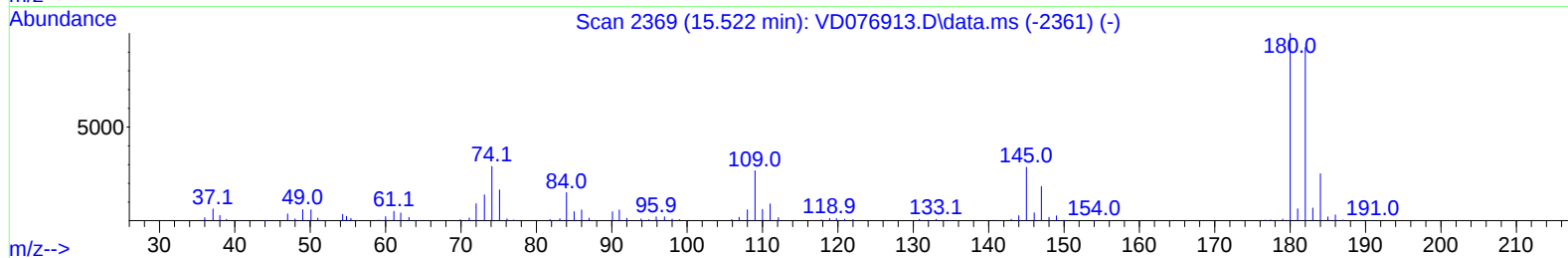
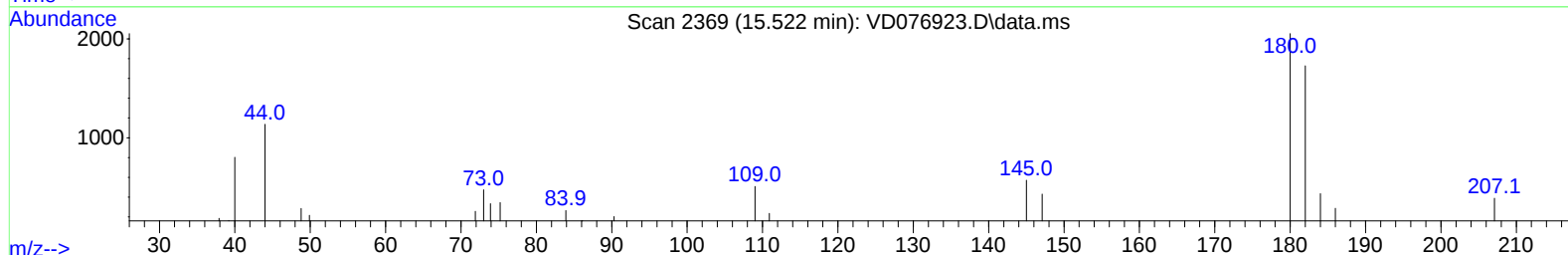
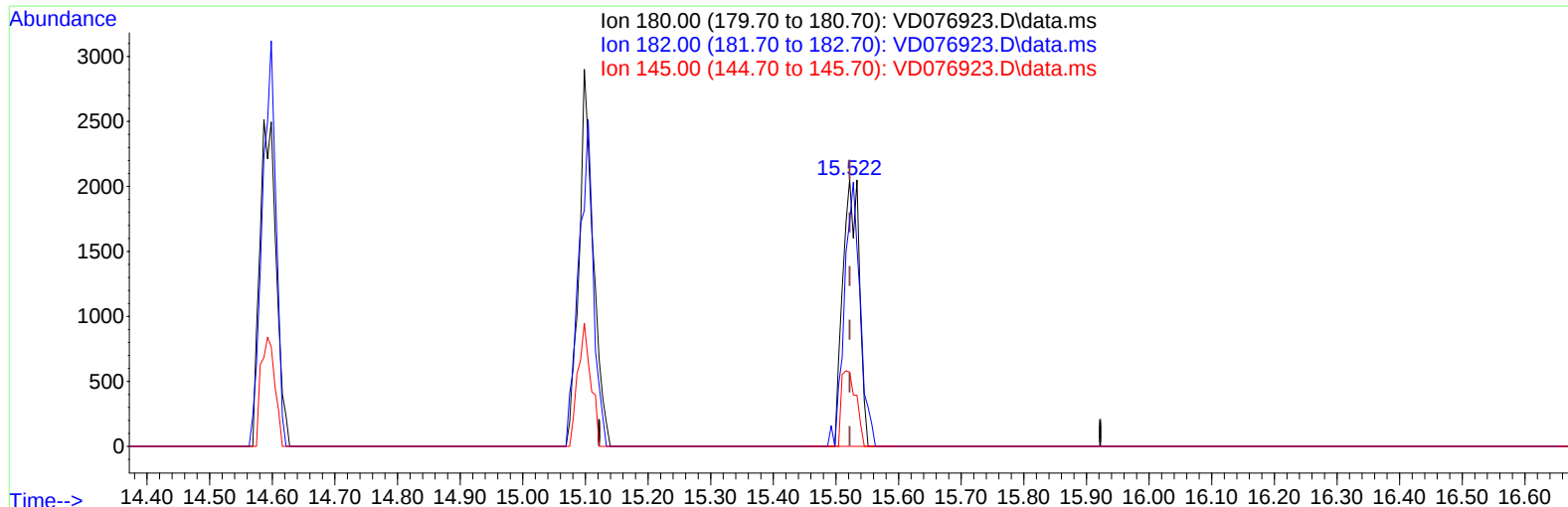
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
Data File : VD076923.D  
Acq On : 04 Aug 2023 13:13  
Operator : KP/SY  
Sample : 03573-04  
Misc : 5.00G/10ml/MSVOA\_D/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT3-2023-06

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Aug 04 02:21:25 2023  
Response via : Initial Calibration



TIC: VD076923.D\data.ms

## (72) 1,2,3-Trichlorobenzene (T)

15.522min (+ 0.000) 0.93 ug/L m

response 3761

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 180.00 | 100.00 | 100.00 |
| 182.00 | 92.90  | 93.01  |
| 145.00 | 31.30  | 25.05  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD080423\  
 Data File : VD076923.D  
 Acq On : 04 Aug 2023 13:13  
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 Sample : 03573-04  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.775          | 114  | 268056     | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581         | 117  | 266044     | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 123857     | 25.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.270          | 65   | 147744     | 20.042  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 80.160% |        |          |
| 7) Chloroethane-d5            | 2.799          | 69   | 144200     | 21.160  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 84.640% |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.917          | 65   | 34739      | 19.888  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 79.560% |        |          |
| 21) 2-Butanone-d5             | 6.987          | 46   | 51362      | 43.397  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 86.800% |        |          |
| 24) Chloroform-d              | 7.563          | 84   | 189670     | 21.729  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 86.920% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.228          | 65   | 96382      | 22.150  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 88.600% |        |          |
| 32) Benzene-d6                | 8.199          | 84   | 384862     | 23.009  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 92.040% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.205          | 67   | 118325     | 23.008  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 92.040% |        |          |
| 41) Toluene-d8                | 10.269         | 98   | 352019     | 22.954  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 91.800% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.528         | 79   | 49308      | 21.207  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 84.840% |        |          |
| 47) 2-Hexanone-d5             | 10.875         | 63   | 43450      | 44.229  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 88.460% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651         | 84   | 105242     | 21.178  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 84.720% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816         | 152  | 106979     | 23.625  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 94.520% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.928          | 85   | 4432       | 0.998   | ug/L   | 95       |
| 3) Chloromethane              | 2.146          | 50   | 6073       | 1.054   | ug/L # | 70       |
| 5) Vinyl chloride             | 2.281          | 62   | 8165       | 0.991   | ug/L # | 65       |
| 6) Bromomethane               | 2.693          | 94   | 6471       | 1.052   | ug/L   | 77       |
| 8) Chloroethane               | 2.828          | 64   | 5378       | 0.969   | ug/L   | 83       |
| 9) Trichlorofluoromethane     | 3.170          | 101  | 6161m      | 0.903   | ug/L   |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958          | 101  | 5511m      | 1.239   | ug/L   |          |
| 12) 1,1-Dichloroethene        | 3.934          | 96   | 5309       | 1.346   | ug/L # | 1        |
| 13) Acetone                   | 4.028          | 43   | 3150m      | 2.603   | ug/L   |          |
| 14) Carbon disulfide          | 4.275          | 76   | 12017m     | 0.878   | ug/L   |          |
| 15) Methyl Acetate            | 4.575          | 43   | 1906m      | 0.932   | ug/L   |          |
| 16) Methylene chloride        | 4.799          | 84   | 33205      | 5.905   | ug/L   | 79       |
| 17) trans-1,2-Dichloroethene  | 5.311          | 96   | 4196m      | 0.940   | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.322          | 73   | 7891m      | 0.800   | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.105          | 63   | 6919       | 0.928   | ug/L # | 84       |
| 20) cis-1,2-Dichloroethene    | 7.081          | 96   | 3961m      | 0.795   | ug/L   |          |
| 22) 2-Butanone                | 7.069          | 43   | 4626m      | 2.732   | ug/L   |          |
| 23) Bromochloromethane        | 7.416          | 128  | 2268m      | 0.938   | ug/L   |          |
| 25) Chloroform                | 7.593          | 83   | 12786      | 1.566   | ug/L   | 97       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.316  | 62   | 5173     | 1.011 | ug/L   | 96       |
| 29) Cyclohexane               | 7.875  | 56   | 4830m    | 0.825 | ug/L   |          |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 5667     | 0.860 | ug/L # | 75       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 4815m    | 0.892 | ug/L   |          |
| 33) Benzene                   | 8.252  | 78   | 15548    | 0.892 | ug/L   | 100      |
| 34) Trichloroethene           | 9.022  | 95   | 5382     | 1.185 | ug/L   | 86       |
| 35) Methylcyclohexane         | 9.269  | 83   | 6117     | 0.826 | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 9.299  | 63   | 3667     | 0.828 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.581  | 83   | 5403     | 0.886 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 6035     | 0.844 | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone      | 10.152 | 43   | 4697     | 1.683 | ug/L # | 95       |
| 42) Toluene                   | 10.334 | 91   | 17155    | 0.905 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 7297     | 1.168 | ug/L   | 90       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 3336     | 0.847 | ug/L # | 85       |
| 46) Tetrachloroethene         | 10.804 | 164  | 2992     | 0.874 | ug/L   | 86       |
| 48) 2-Hexanone                | 10.922 | 43   | 3311     | 1.543 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.075 | 129  | 3833     | 0.875 | ug/L # | 65       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 3312     | 0.863 | ug/L # | 41       |
| 51) Chlorobenzene             | 11.610 | 112  | 10583    | 0.857 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.687 | 91   | 16806    | 0.832 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 5671     | 0.727 | ug/L   | 96       |
| 54) o-Xylene                  | 12.122 | 106  | 5973     | 0.797 | ug/L   | 79       |
| 55) Styrene                   | 12.140 | 104  | 9936     | 0.733 | ug/L   | 85       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 4455     | 0.915 | ug/L # | 93       |
| 59) Bromoform                 | 12.299 | 173  | 1899     | 0.773 | ug/L # | 76       |
| 60) Isopropylbenzene          | 12.422 | 105  | 14380    | 0.807 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 2942     | 1.018 | ug/L # | 89       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 10884    | 0.802 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 10388    | 0.769 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 7438     | 0.915 | ug/L   | 91       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 8465     | 1.007 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 7586     | 0.995 | ug/L # | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.440 | 75   | 803m     | 1.212 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 14.587 | 180  | 4578     | 0.900 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 4564     | 1.020 | ug/L   | 94       |
| 71) Naphthalene               | 15.334 | 128  | 9929     | 0.944 | ug/L # | 89       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 3761m    | 0.927 | ug/L   |          |

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