

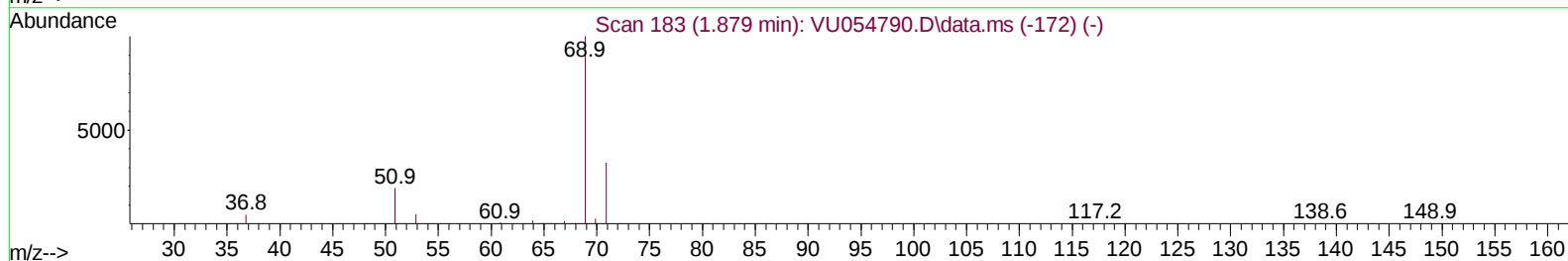
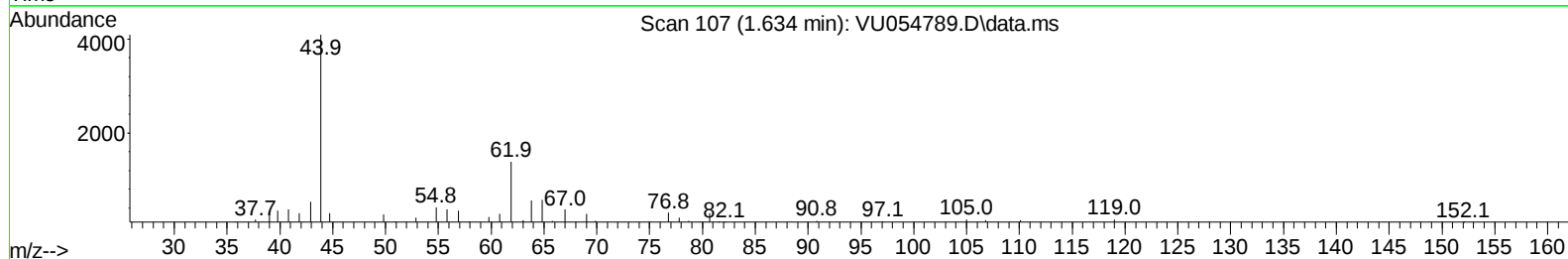
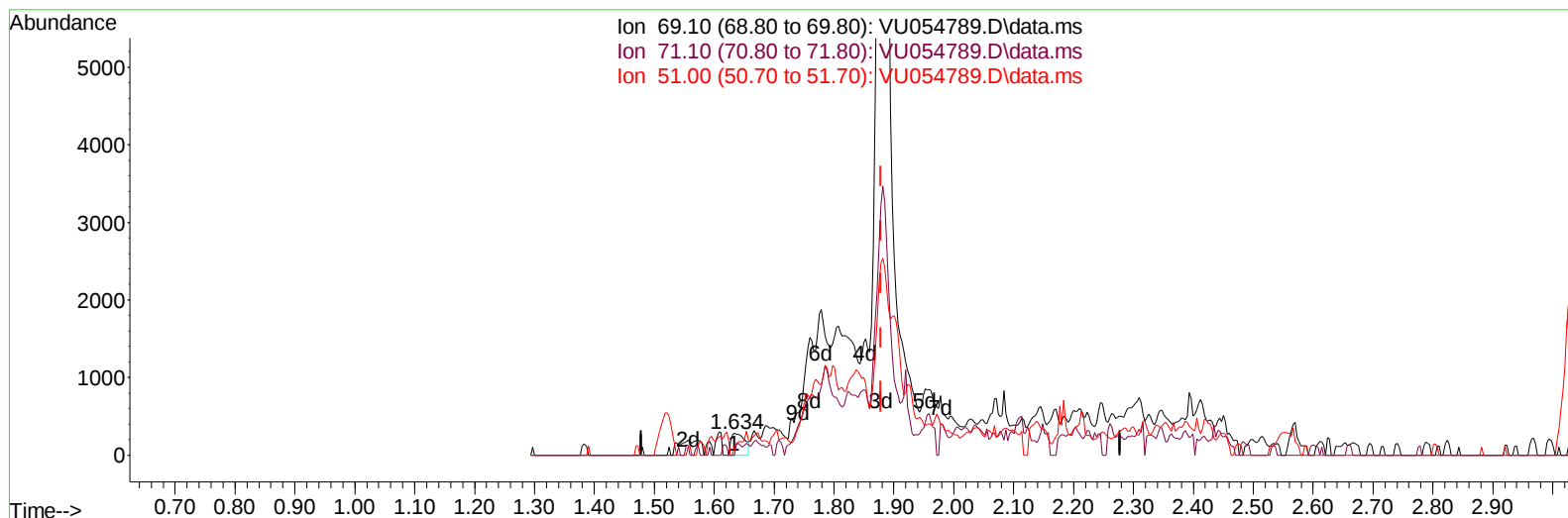
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071723\  
Data File : VU054789.D  
Acq On : 17 Jul 2023 10:14  
Operator : MD/SY  
Sample : VSTD01030  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010030

Manual IntegrationsAPPROVED

Quant Time: Jul 18 05:33:28 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM071723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jul 18 05:32:25 2023  
Response via : Initial Calibration

Reviewed By :John Carlone 07/18/2023  
Supervised By :Mahesh Dadoda 07/18/2023



TIC: VU054789.D\data.ms

(7) Chloroethane-d5 (S)

1.634min (-0.245) 0.25 ug/L

response 443

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.10 | 100.00 | 100.00 |
| 71.10 | 32.40  | 22.80  |
| 51.00 | 26.30  | 33.86  |
| 0.00  | 0.00   | 0.00   |

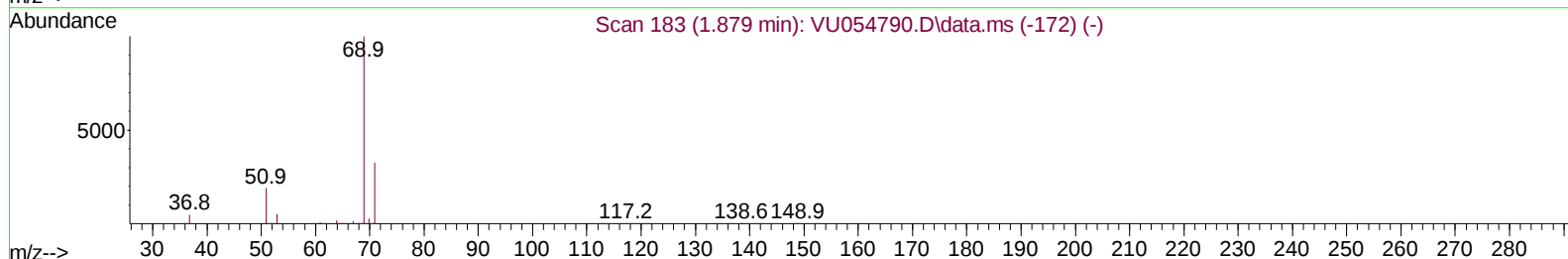
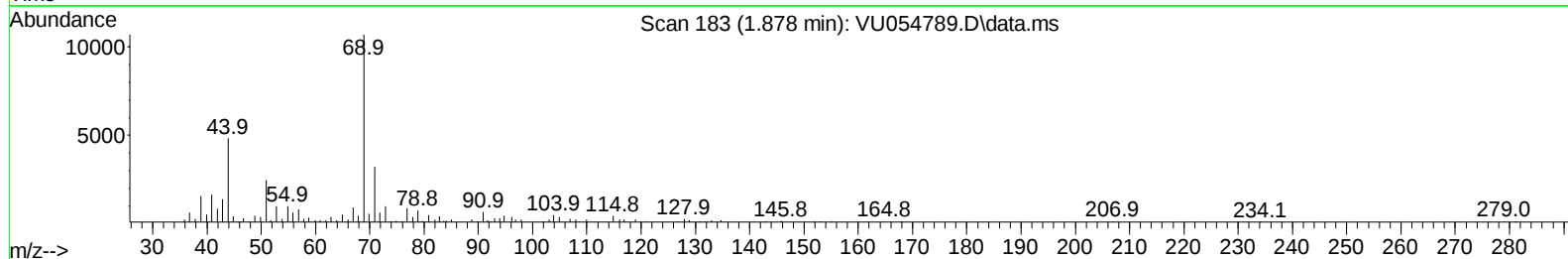
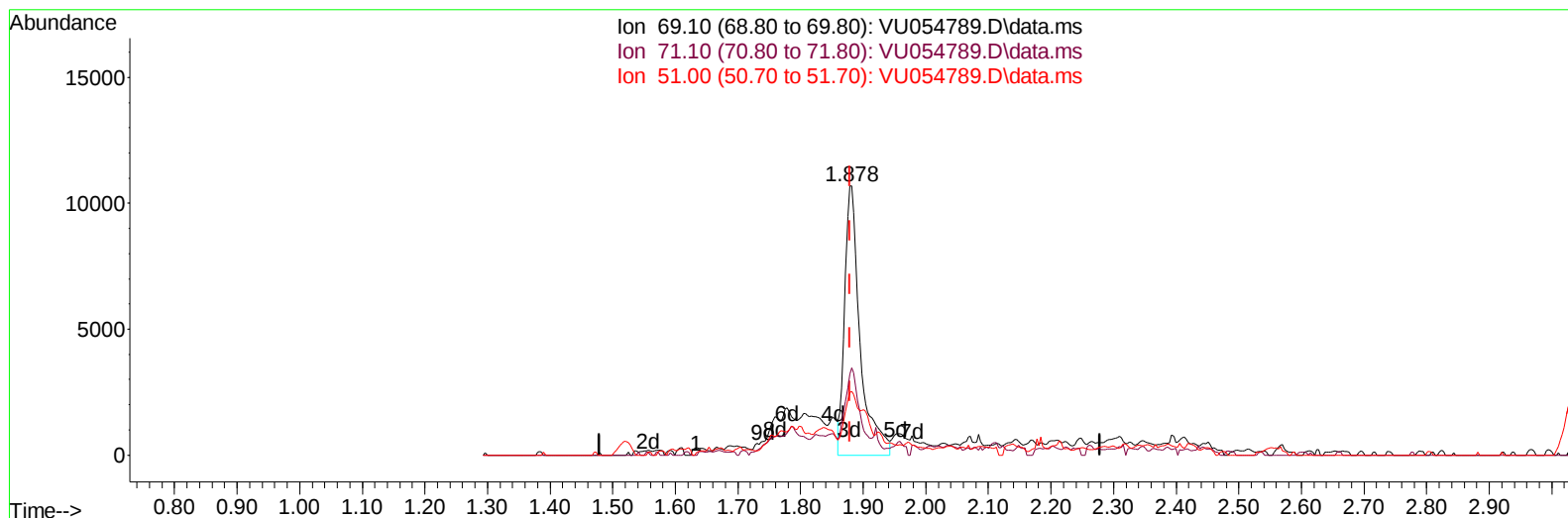
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TIC: VU054789.D\data.ms

(7) Chloroethane-d5 (S)

1.878min (-0.000) 10.38 ug/L m

response 18497

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 69.10 | 100.00 | 100.00 |
| 71.10 | 32.40  | 0.55#  |
| 51.00 | 26.30  | 0.81#  |
| 0.00  | 0.00   | 0.00   |

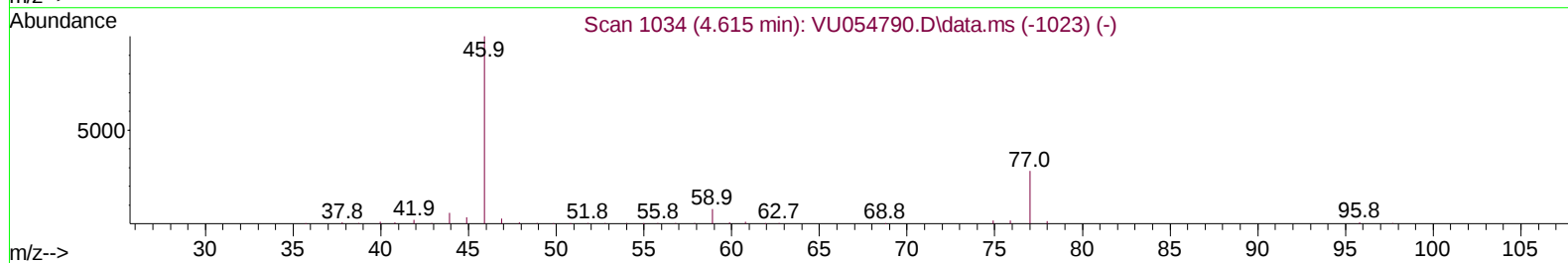
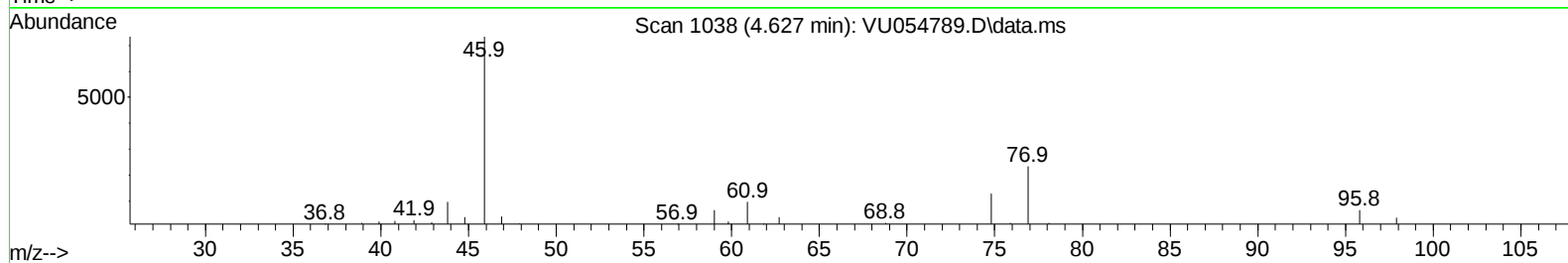
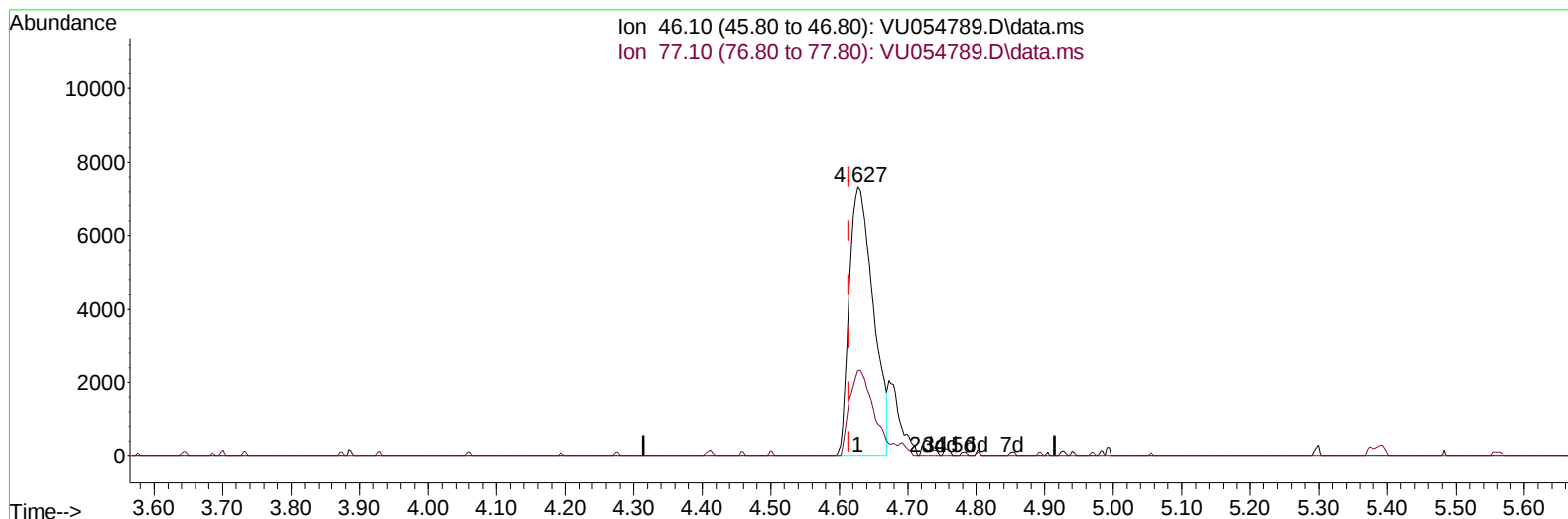
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**(21) 2-Butanone-d5 (S)**

**4.627min (+ 0.013) 15.59 ug/L**

**response 17857**

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 27.20  | 31.94  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

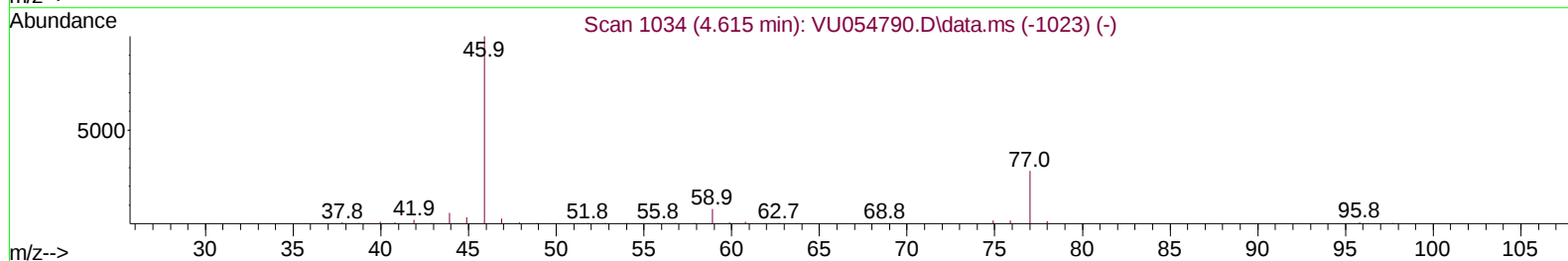
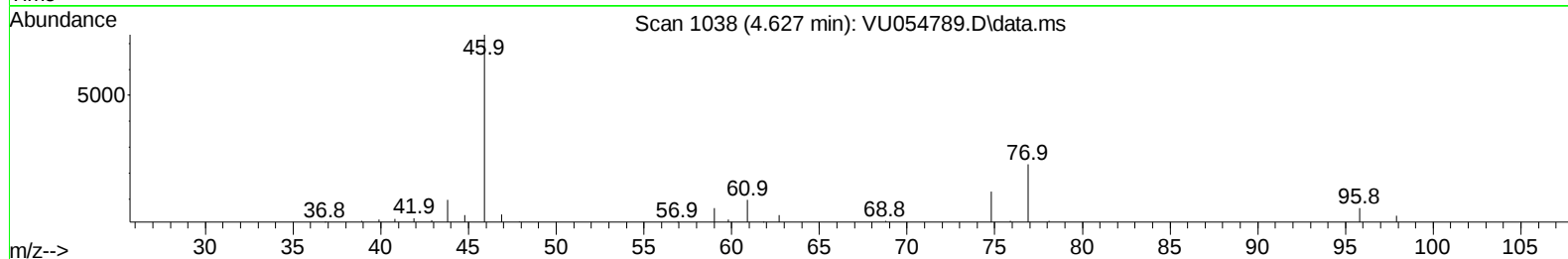
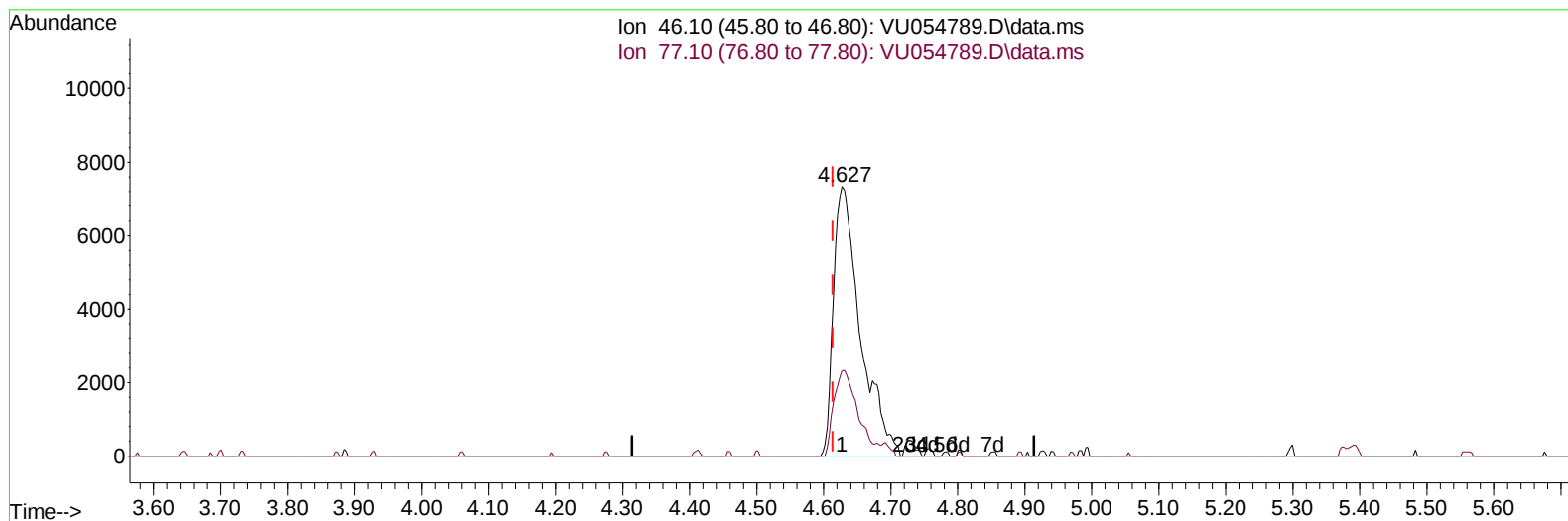
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 ClientSampleId :  
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## (21) 2-Butanone-d5 (S)

4.627min (+ 0.013) 17.82 ug/L m

response 20408

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 27.20  | 27.94  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

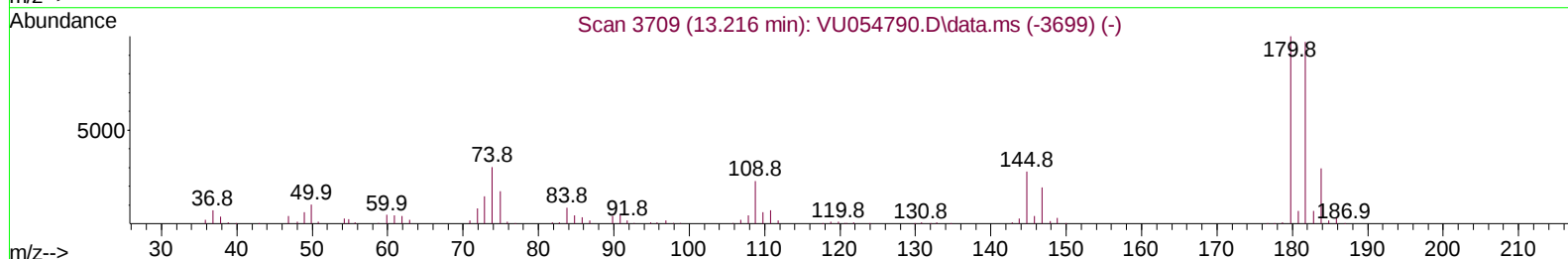
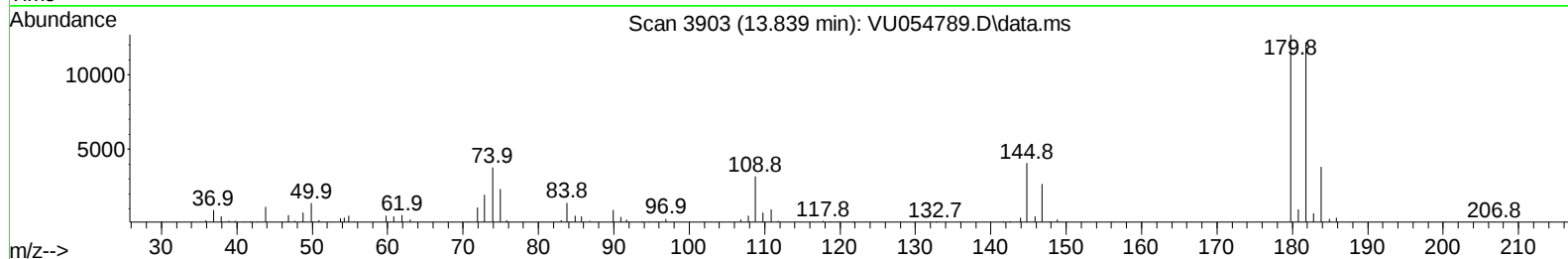
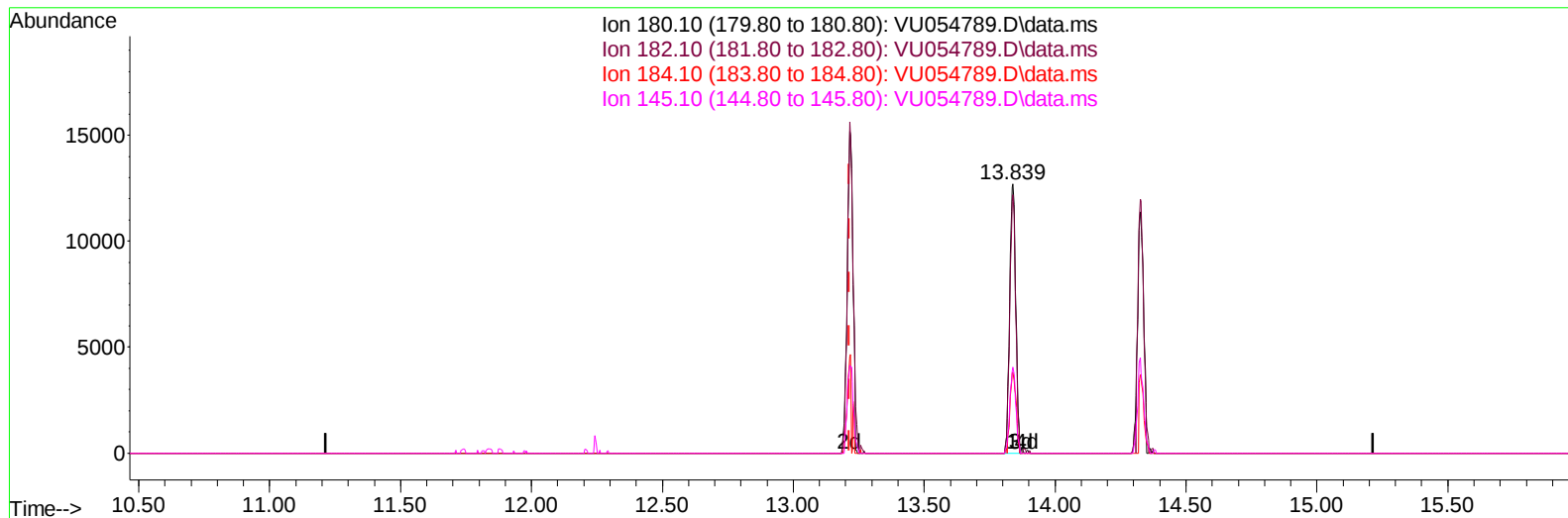
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Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD010030

## Manual IntegrationsAPPROVED

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TIC: VU054789.D\data.ms

**(69) 1,3,5-Trichlorobenzene****13.839min (+ 0.624) 8.19 ug/L****response 20394**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 180.10 | 100.00 | 100.00 |
| 182.10 | 95.90  | 93.99  |
| 184.10 | 29.20  | 29.59  |
| 145.10 | 28.20  | 31.64  |

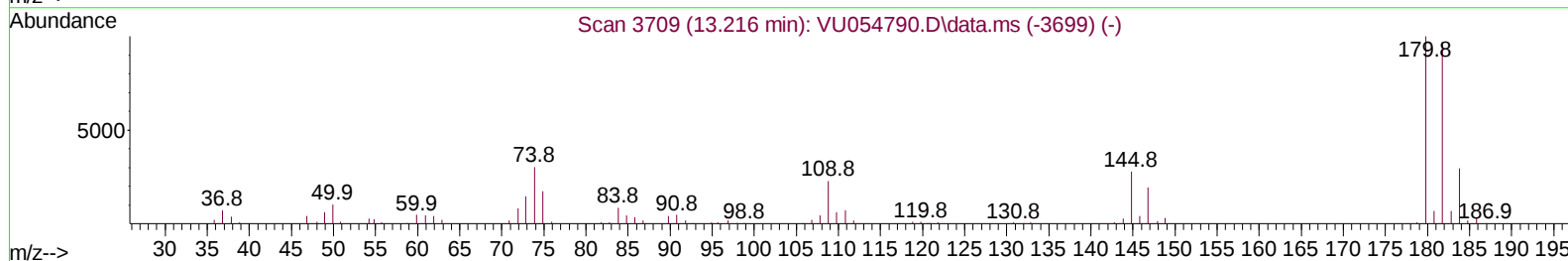
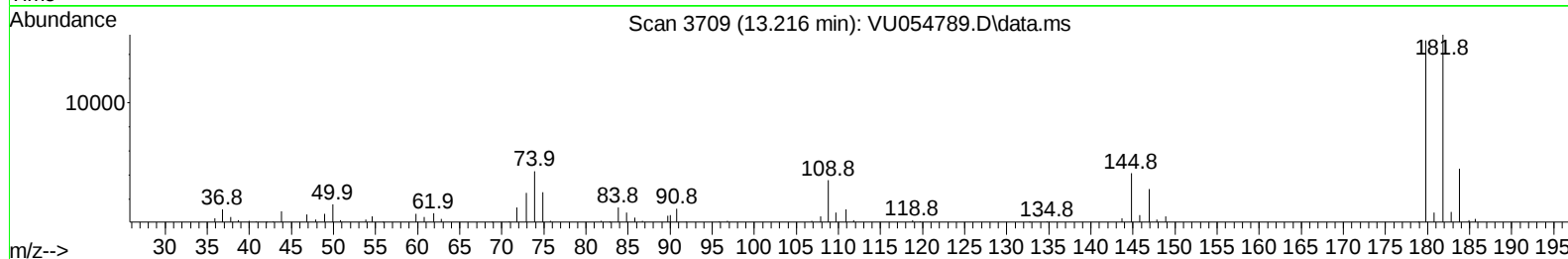
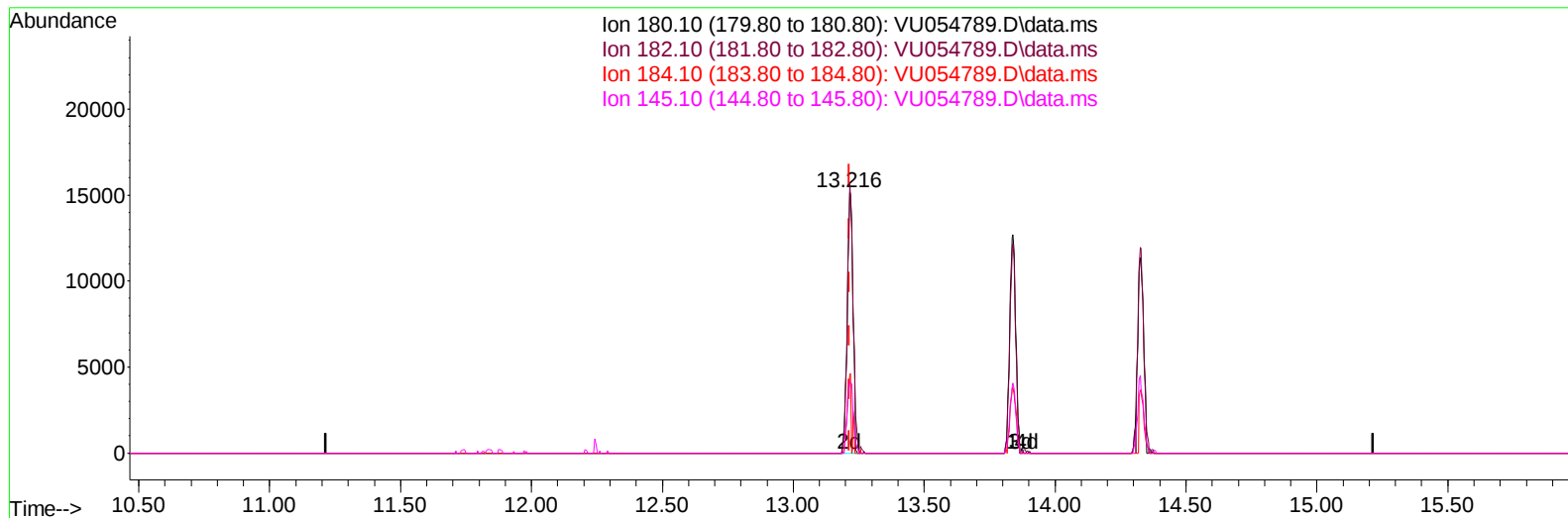
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Instrument :  
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 ClientSampleId :  
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Manual IntegrationsAPPROVED

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TIC: VU054789.D\data.ms

(69) 1,3,5-Trichlorobenzene

13.216min (-0.000) 9.29 ug/L m

response 23137

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 180.10 | 100.00 | 100.00 |
| 182.10 | 95.90  | 82.85  |
| 184.10 | 29.20  | 26.08  |
| 145.10 | 28.20  | 27.89  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071723\  
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Instrument :  
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Manual IntegrationsAPPROVED

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Reviewed By :John Carlone 07/18/2023  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114  | 230571   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117  | 222241   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 121198   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65   | 16708    | 9.376  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.878  | 69   | 18497m   | 10.376 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 63   | 23550    | 9.212  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.627  | 46   | 20408m   | 17.816 | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.062  | 84   | 25048    | 9.029  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65   | 15111    | 9.097  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.721  | 84   | 48945    | 9.246  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67   | 16147    | 9.058  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 42882    | 8.501  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79   | 7782     | 8.534  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.634  | 63   | 14418    | 17.111 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84   | 28446    | 8.688  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152  | 17501    | 8.403  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85   | 16679    | 9.572  | ug/L   | 97       |
| 3) Chloromethane              | 1.518  | 50   | 21212    | 10.674 | ug/L   | 99       |
| 5) Vinyl chloride             | 1.602  | 62   | 26292    | 10.176 | ug/L   | 98       |
| 6) Bromomethane               | 1.827  | 94   | 16883    | 10.736 | ug/L   | 100      |
| 8) Chloroethane               | 1.904  | 64   | 17515    | 9.799  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.120  | 101  | 41284    | 9.983  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.566  | 101  | 14964    | 9.809  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.566  | 96   | 13960    | 9.731  | ug/L   | 99       |
| 13) Acetone                   | 2.624  | 43   | 18885    | 19.601 | ug/L   | 99       |
| 14) Carbon disulfide          | 2.782  | 76   | 40147    | 9.584  | ug/L   | 98       |
| 15) Methyl Acetate            | 2.943  | 43   | 16137    | 10.042 | ug/L   | 97       |
| 16) Methylene chloride        | 3.039  | 84   | 17696    | 10.218 | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.345  | 96   | 15105    | 10.172 | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 3.357  | 73   | 50845    | 9.894  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859  | 63   | 28993    | 10.232 | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 4.660  | 96   | 18154    | 10.286 | ug/L   | 92       |
| 22) 2-Butanone                | 4.705  | 43   | 24526    | 18.641 | ug/L   | 94       |
| 23) Bromochloromethane        | 4.971  | 128  | 8904     | 9.916  | ug/L   | 96       |
| 25) Chloroform                | 5.084  | 83   | 29462    | 9.916  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 22834    | 10.119 | ug/L   | 96       |
| 29) Cyclohexane               | 5.380  | 56   | 25799    | 10.557 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 24318    | 9.860  | ug/L # | 85       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 21877    | 10.271 | ug/L   | 98       |
| 33) Benzene                   | 5.769  | 78   | 64925    | 10.196 | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 16319    | 10.068 | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.756  | 83   | 26504    | 10.006 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 17786    | 10.156 | ug/L # | 93       |
| 38) Bromodichloromethane      | 7.100  | 83   | 22557    | 10.040 | ug/L   | 93       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 27266    | 9.440  | ug/L   | 90       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 52718    | 19.660 | ug/L   | 100      |
| 42) Toluene                   | 7.965  | 91   | 70487    | 9.893  | ug/L   | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 26196    | 9.654  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 18174    | 10.179 | ug/L   | 94       |
| 46) Tetrachloroethene         | 8.550  | 164  | 12344    | 9.934  | ug/L   | 90       |
| 48) 2-Hexanone                | 8.685  | 43   | 41879    | 19.324 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.807  | 129  | 17671    | 9.609  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 18941    | 9.856  | ug/L # | 95       |
| 51) Chlorobenzene             | 9.444  | 112  | 44230    | 9.542  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 81258    | 9.864  | ug/L   | 100      |
| 53) m,p-Xylene                | 9.692  | 106  | 30337    | 9.673  | ug/L   | 98       |
| 54) o-Xylene                  | 10.097 | 106  | 29921    | 9.391  | ug/L   | 95       |
| 55) Styrene                   | 10.113 | 104  | 51971    | 9.365  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 34724    | 9.851  | ug/L   | 98       |
| 59) Bromoform                 | 10.286 | 173  | 14899    | 9.828  | ug/L # | 98       |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 24369    | 10.305 | ug/L   | 97       |
| 61) Isopropylbenzene          | 10.479 | 105  | 80408    | 10.041 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 63899    | 9.689  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 64090    | 9.804  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 37182    | 10.012 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 37041    | 9.902  | ug/L   | 89       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 37196    | 9.970  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 6835     | 10.814 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 23137m   | 9.294  | ug/L   |          |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 20394    | 9.489  | ug/L   | 97       |
| 71) Naphthalene               | 14.084 | 128  | 65248    | 9.249  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 18456    | 8.818  | ug/L # | 95       |

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

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