

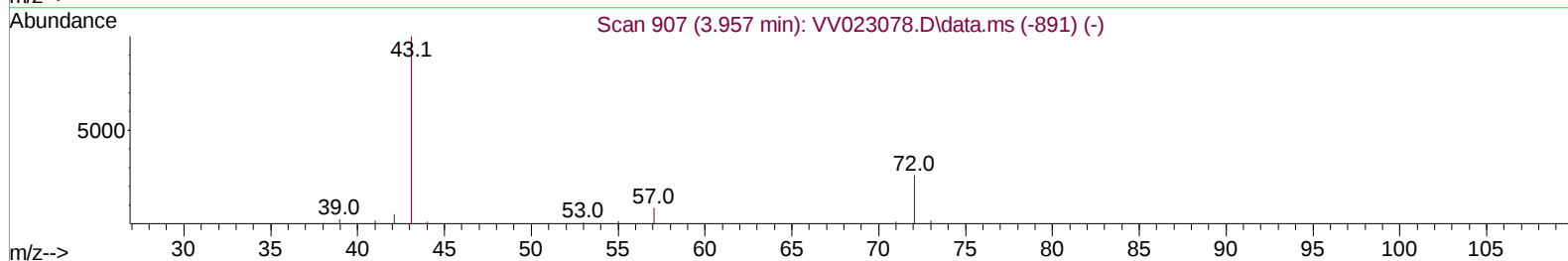
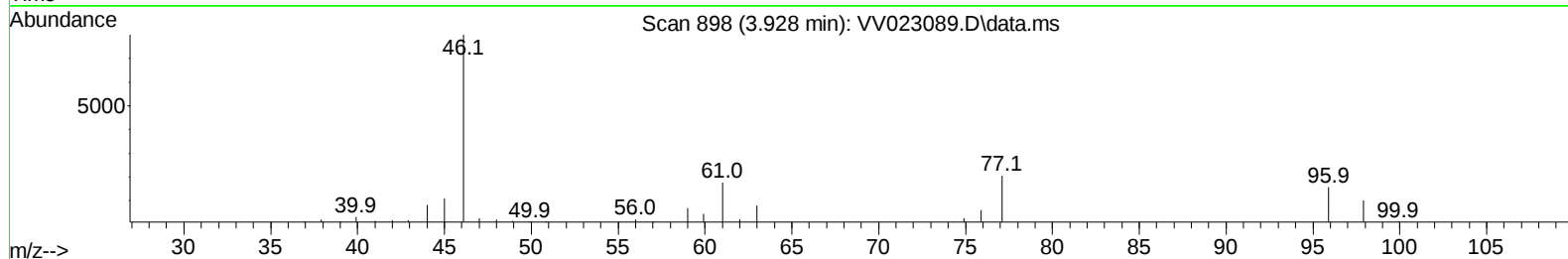
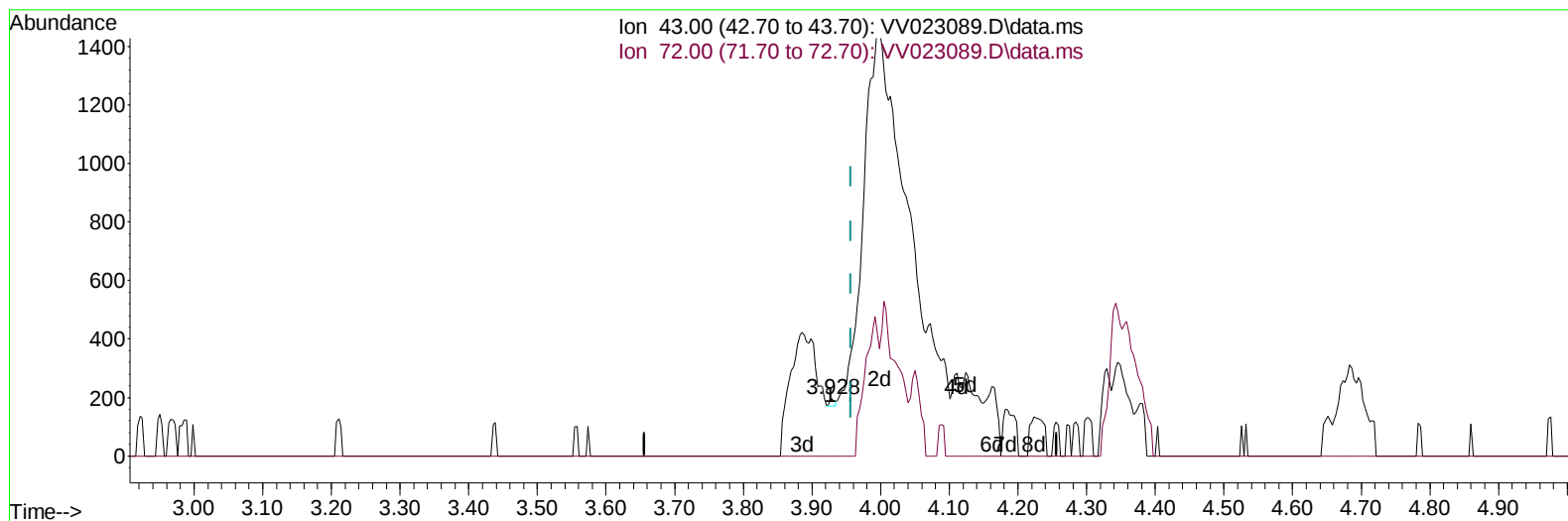
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102821\  
 Data File : VV023089.D  
 Acq On : 28 Oct 2021 21:17  
 Operator : SY/MD  
 Sample : MDL02  
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL02

Manual Integrations  
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 11/1/2021 6:35:51 PM

Quant Time: Oct 29 02:17:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM102821WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 29 01:52:27 2021  
 Response via : Initial Calibration



TIC: VV023089.D\data.ms

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

3.928min (-0.029) 0.01 ug/L

response 13

| Ion   | Exp%   | Act%     |
|-------|--------|----------|
| 43.00 | 100.00 | 100.00   |
| 72.00 | 26.70  | 5230.77# |
| 0.00  | 0.00   | 0.00     |
| 0.00  | 0.00   | 0.00     |

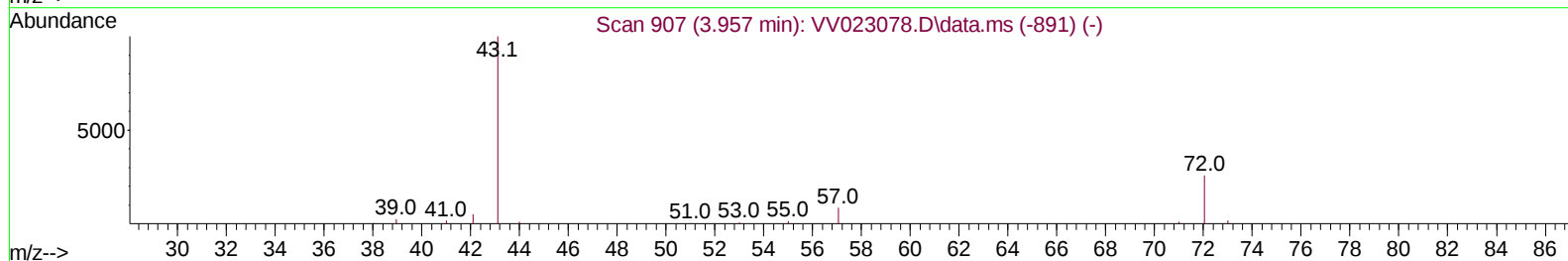
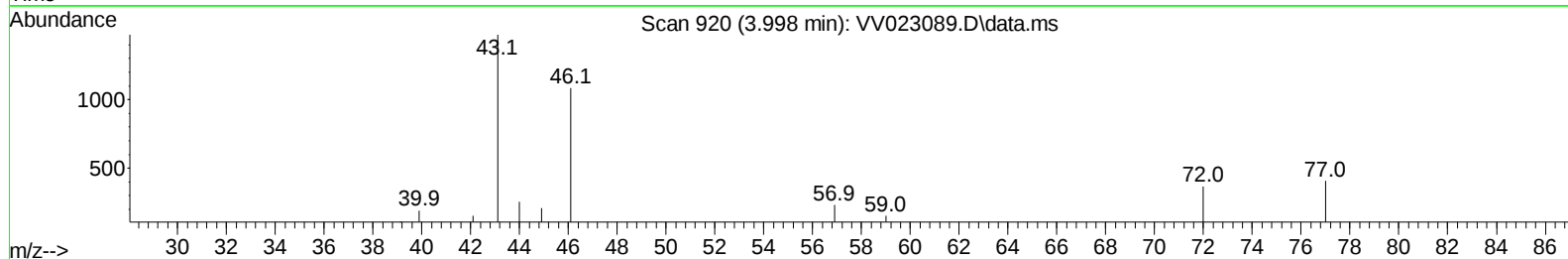
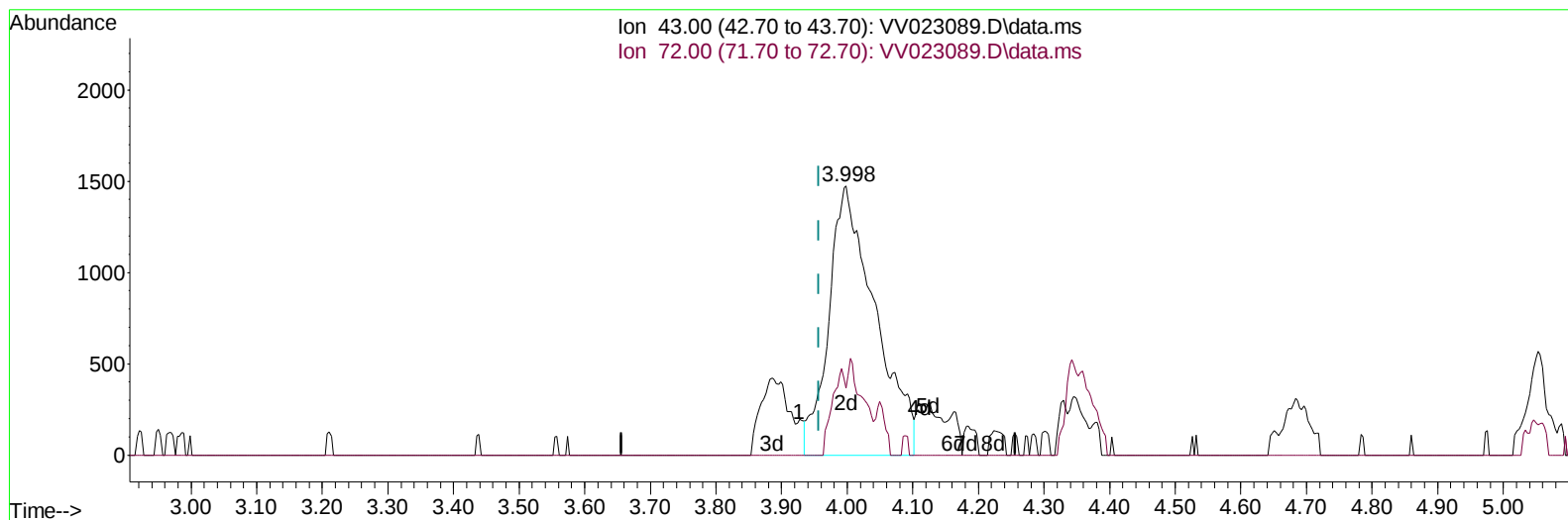
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TIC: VV023089.D\data.ms

(22) 2-Butanone (T)

3.998min (+ 0.042) 4.71 ug/L m

response 7226

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 26.70  | 9.41#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

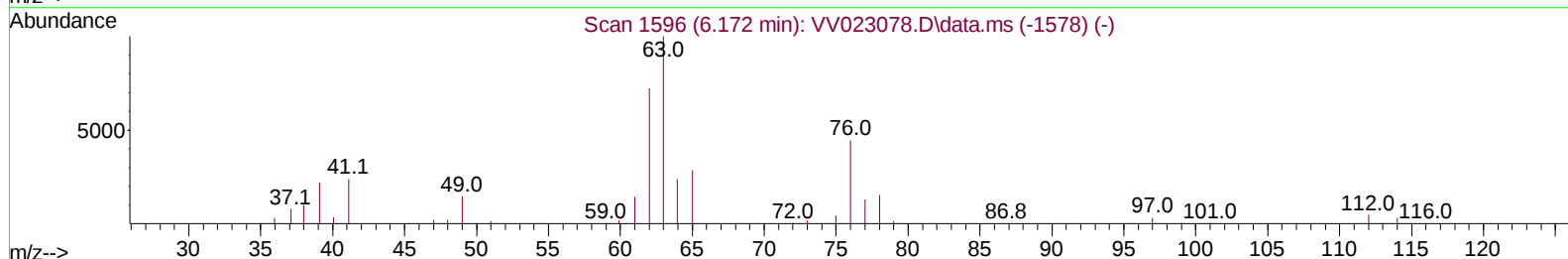
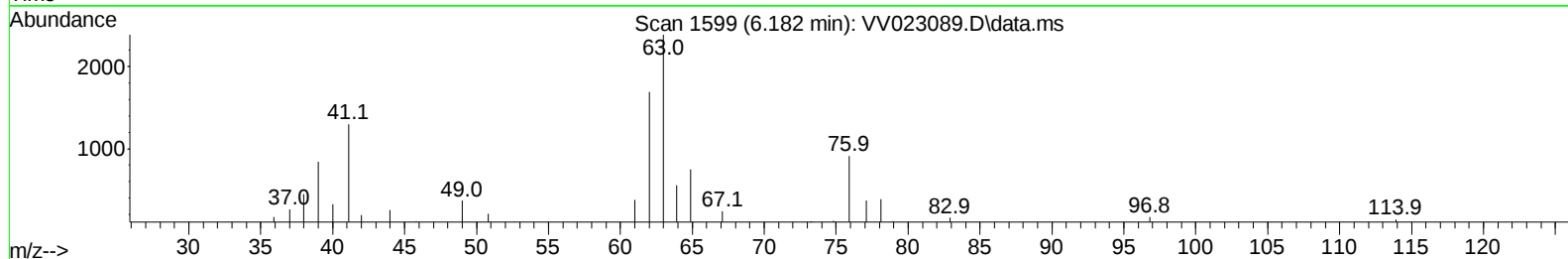
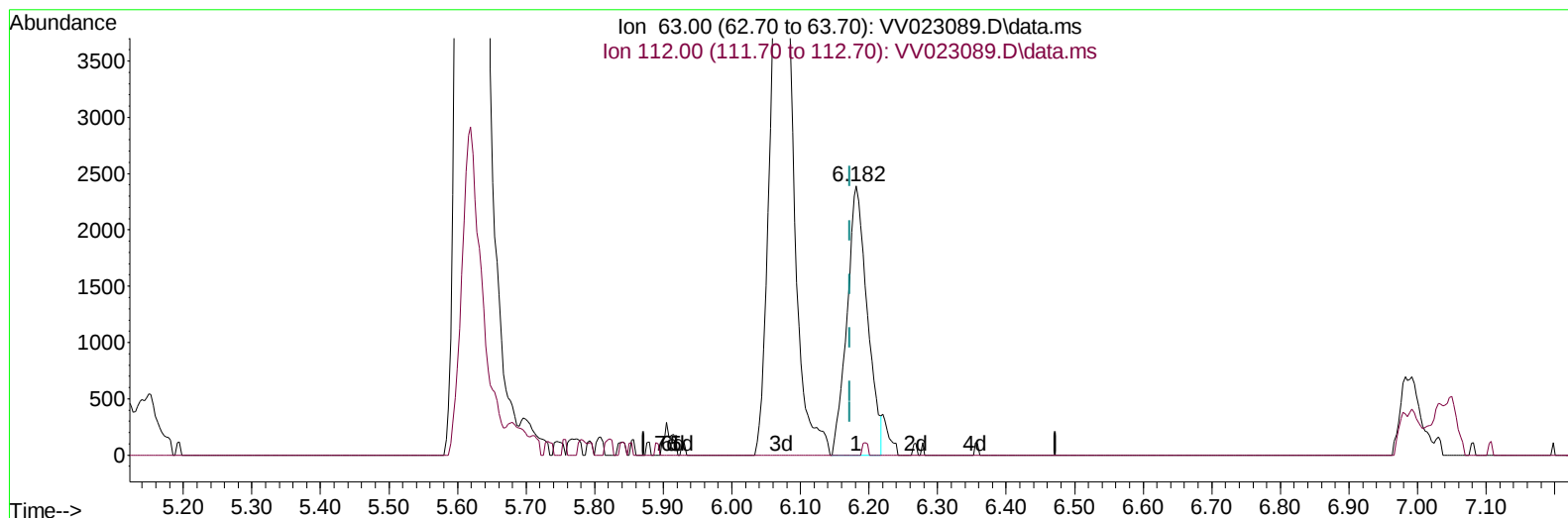
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TIC: VV023089.D\data.ms

(37) 1,2-Dichloropropane (T)

6.182min (+ 0.010) 2.30 ug/L

response 4888

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 63.00  | 100.00 | 100.00 |
| 112.00 | 4.80   | 1.23#  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

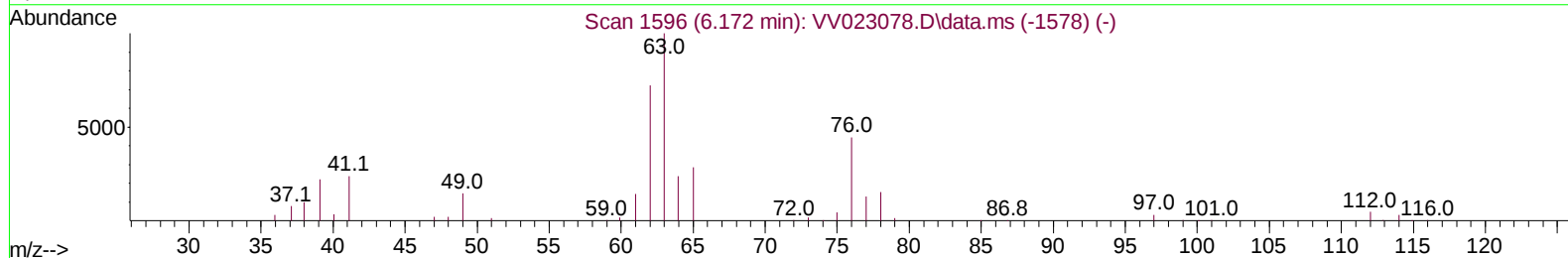
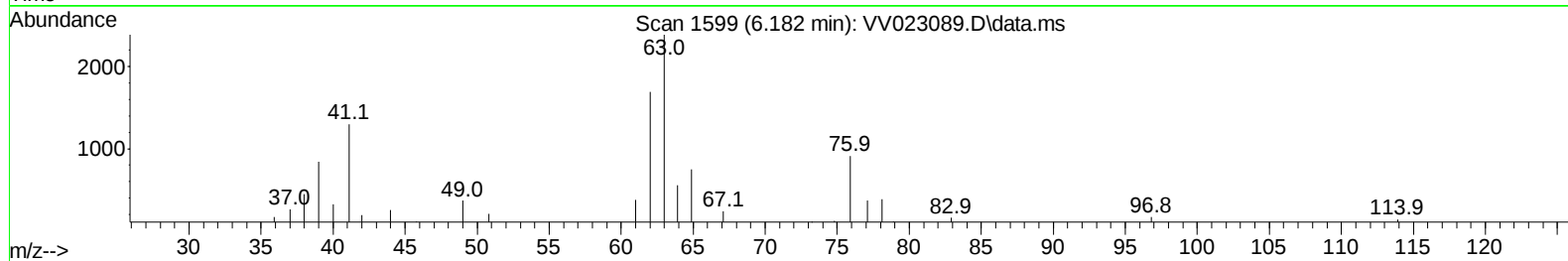
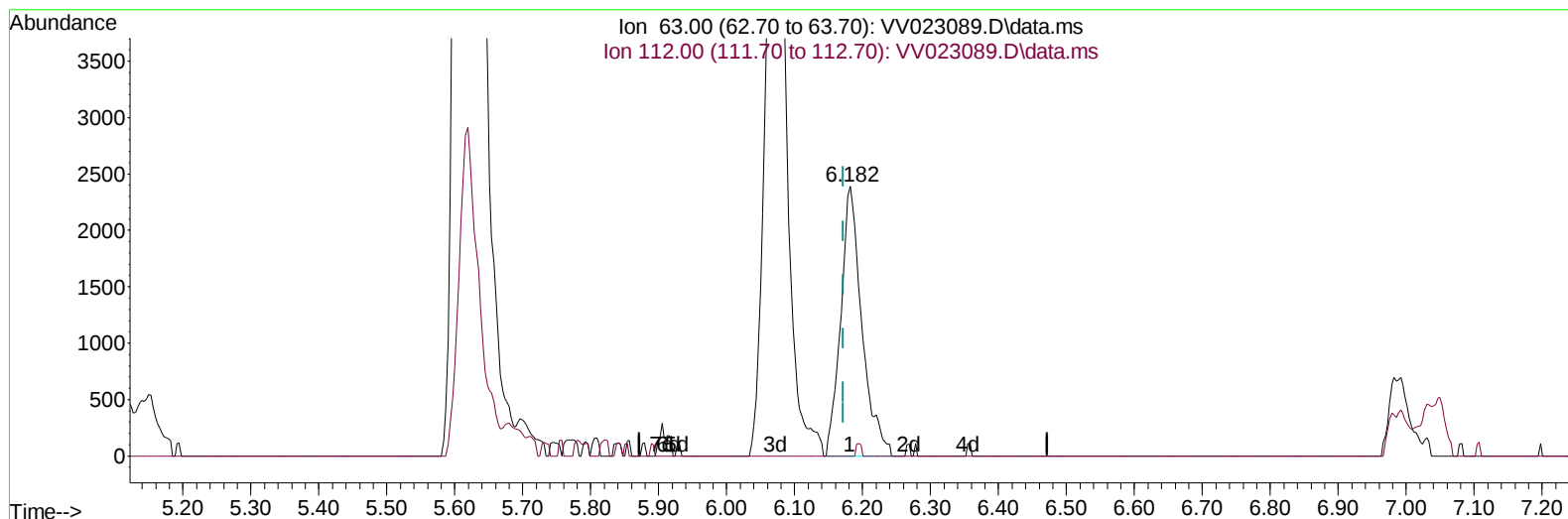
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TIC: VV023089.D\data.ms

(37) 1,2-Dichloropropane (T)

6.182min (+ 0.010) 2.42 ug/L m

response 5154

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 63.00  | 100.00 | 100.00 |
| 112.00 | 4.80   | 1.16#  |
| 0.00   | 0.00   | 0.00   |
| 0.00   | 0.00   | 0.00   |

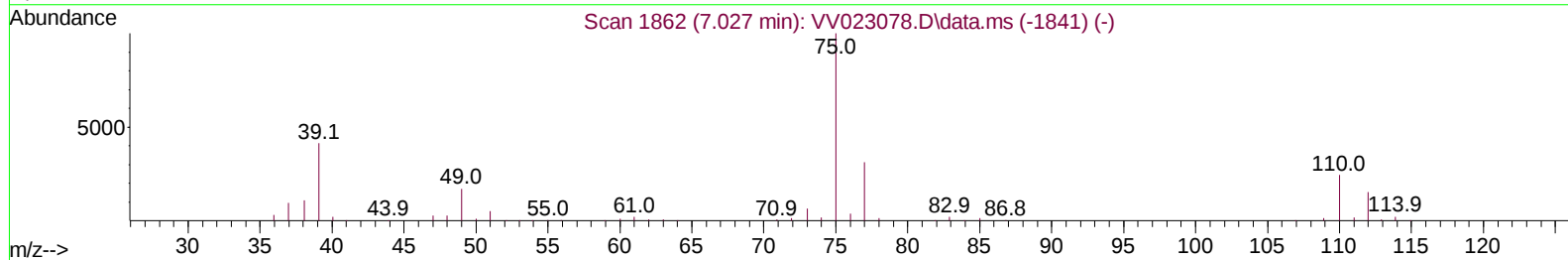
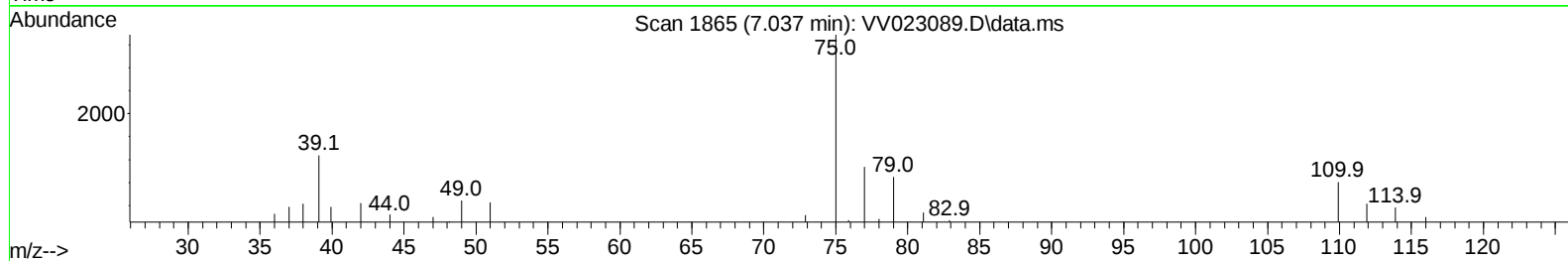
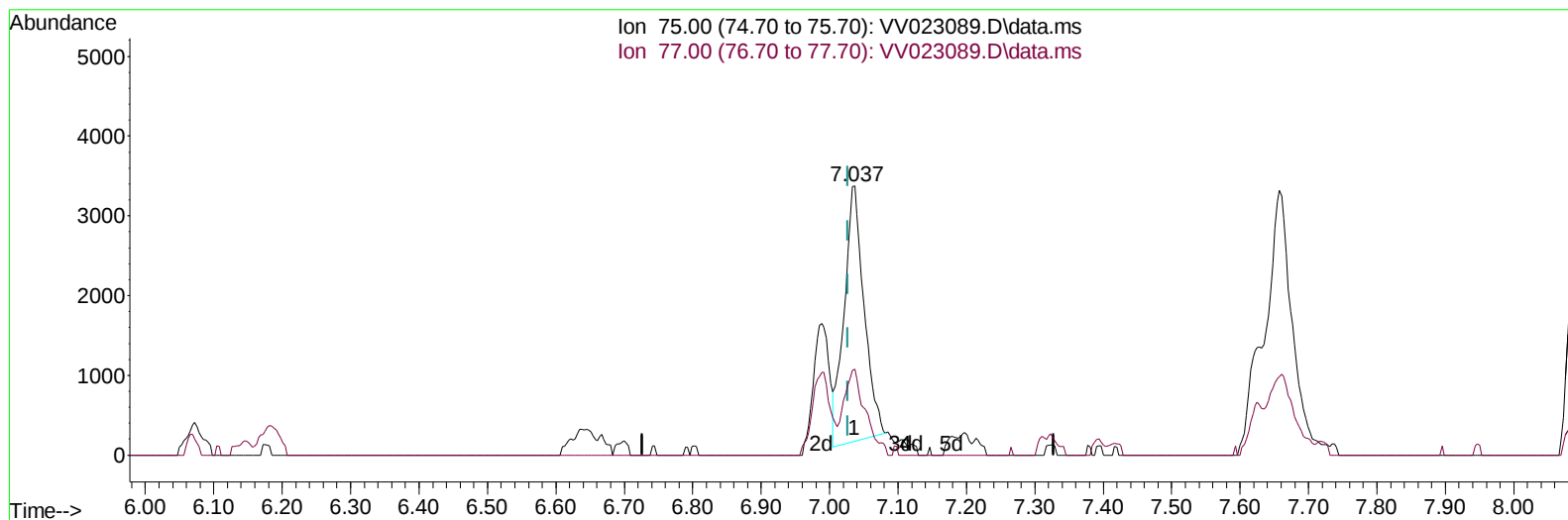
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TIC: VV023089.D\data.ms

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

7.037min (+ 0.010) 2.00 ug/L

response 6463

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 75.00 | 100.00 | 100.00 |
| 77.00 | 31.20  | 31.88  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

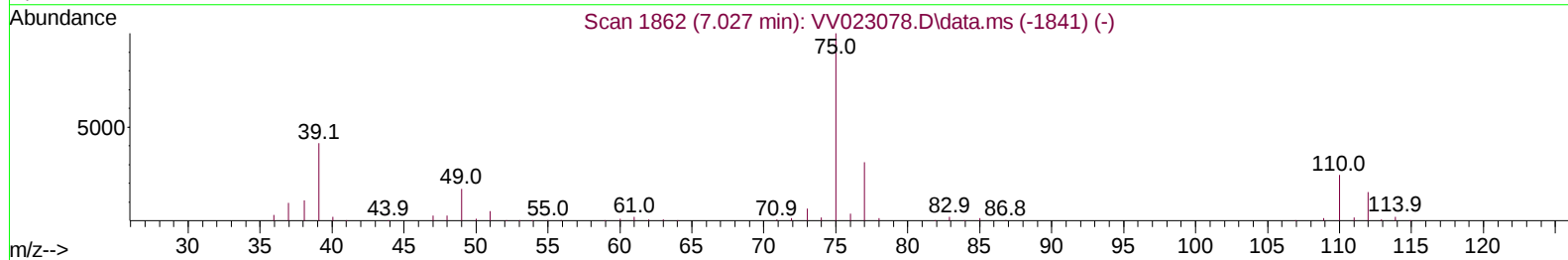
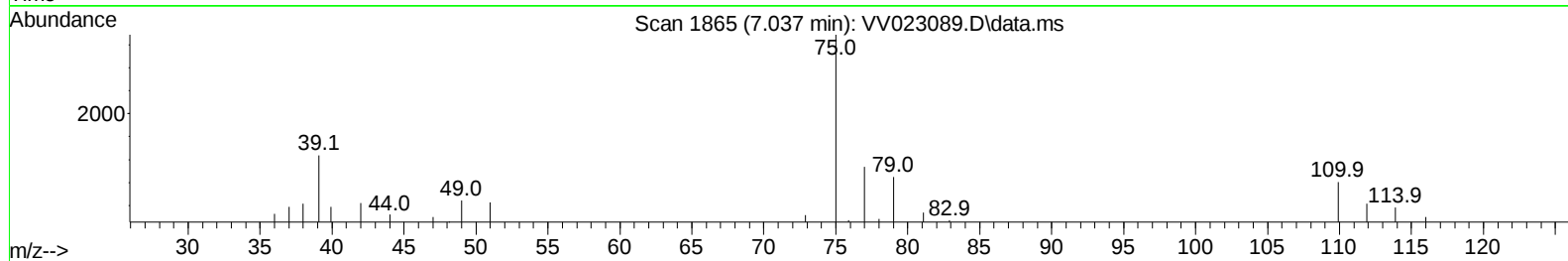
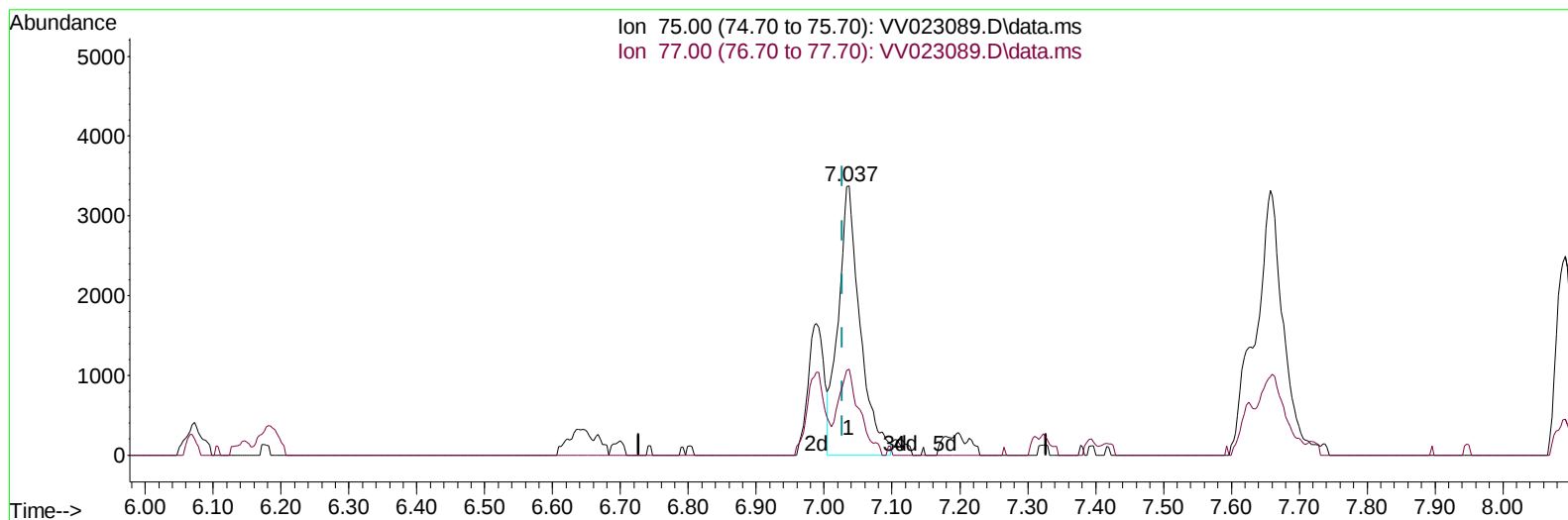
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TIC: VV023089.D\data.ms

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

7.037min (+ 0.010) 2.34 ug/L m

response 7547

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 75.00 | 100.00 | 100.00 |
| 77.00 | 31.20  | 31.88  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|---------|----------|----------|
| -----                         |          |       |          |         |          |          |
| Internal Standards            |          |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.619    | 114   | 263108   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.853    | 117   | 260010   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252   | 152   | 129468   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.307    | 65    | 82729    | 45.625  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 135 | Recovery | =       | 91.240%  |          |
| 7) Chloroethane-d5            | 1.568    | 69    | 66906    | 47.307  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 130 | Recovery | =       | 94.620%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108    | 63    | 120482   | 35.077  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 70.160%  |          |
| 21) 2-Butanone-d5             | 3.879    | 46    | 151993   | 111.881 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40 | - 130 | Recovery | =       | 111.880% |          |
| 24) Chloroform-d              | 4.352    | 84    | 178993   | 46.950  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 93.900%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.034    | 65    | 115213   | 51.057  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 102.120% |          |
| 32) Benzene-d6                | 5.053    | 84    | 355380   | 49.895  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 125 | Recovery | =       | 99.780%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.072    | 67    | 113936   | 50.250  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70 | - 120 | Recovery | =       | 100.500% |          |
| 41) Toluene-d8                | 7.317    | 98    | 314276   | 48.363  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 96.720%  |          |
| 43) trans-1,3-Dichloroprop... | 7.622    | 79    | 52462    | 48.274  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60 | - 125 | Recovery | =       | 96.540%  |          |
| 47) 2-Hexanone-d5             | 8.088    | 63    | 108532   | 110.207 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45 | - 130 | Recovery | =       | 110.210% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217   | 84    | 165587   | 49.966  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65 | - 120 | Recovery | =       | 99.940%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625   | 152   | 129030   | 51.666  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80 | - 120 | Recovery | =       | 103.340% |          |
| Target Compounds              |          |       |          |         |          |          |
|                               |          |       |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.130    | 85    | 5572     | 2.228   | ug/L     | 99       |
| 3) Chloromethane              | 1.240    | 50    | 5463     | 2.316   | ug/L     | 100      |
| 5) Vinyl chloride             | 1.310    | 62    | 5671     | 2.406   | ug/L #   | 77       |
| 6) Bromomethane               | 1.523    | 94    | 3185     | 2.405   | ug/L     | 100      |
| 8) Chloroethane               | 1.584    | 64    | 3352     | 2.336   | ug/L     | 96       |
| 9) Trichlorofluoromethane     | 1.754    | 101   | 7878     | 2.202   | ug/L     | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114    | 101   | 5287     | 2.784   | ug/L #   | 81       |
| 12) 1,1-Dichloroethene        | 2.117    | 96    | 5058     | 2.870   | ug/L #   | 1        |
| 13) Acetone                   | 2.172    | 43    | 5757     | 4.275   | ug/L #   | 75       |
| 14) Carbon disulfide          | 2.297    | 76    | 12494    | 2.371   | ug/L     | 98       |
| 15) Methyl Acetate            | 2.439    | 43    | 6230     | 2.787   | ug/L     | 92       |
| 16) Methylene chloride        | 2.510    | 84    | 5953     | 2.637   | ug/L     | 97       |
| 17) trans-1,2-Dichloroethene  | 2.764    | 96    | 4515     | 2.245   | ug/L     | 94       |
| 18) Methyl tert-butyl Ether   | 2.770    | 73    | 13809    | 2.286   | ug/L     | 98       |
| 19) 1,1-Dichloroethane        | 3.195    | 63    | 8816     | 2.353   | ug/L     | 97       |
| 20) cis-1,2-Dichloroethene    | 3.921    | 96    | 4859     | 2.260   | ug/L     | 99       |
| 22) 2-Butanone                | 3.998    | 43    | 7226m    | 4.708   | ug/L     |          |
| 23) Bromochloromethane        | 4.256    | 128   | 2826     | 2.332   | ug/L     | 83       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 25) Chloroform                | 4.378  | 83   | 10050    | 2.608 | ug/L   | 91       |
| 27) 1,2-Dichloroethane        | 5.140  | 62   | 6366     | 2.201 | ug/L   | 97       |
| 29) Cyclohexane               | 4.683  | 56   | 6209     | 2.046 | ug/L # | 84       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 7822     | 2.258 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 6557     | 2.106 | ug/L   | 90       |
| 33) Benzene                   | 5.104  | 78   | 19084    | 2.356 | ug/L   | 100      |
| 34) Trichloroethene           | 5.921  | 95   | 4768     | 2.253 | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.133  | 83   | 7008     | 2.125 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.182  | 63   | 5154m    | 2.421 | ug/L   |          |
| 38) Bromodichloromethane      | 6.516  | 83   | 6583     | 2.285 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.037  | 75   | 7547m    | 2.338 | ug/L   |          |
| 40) 4-Methyl-2-pentanone      | 7.233  | 43   | 11557    | 4.209 | ug/L   | 98       |
| 42) Toluene                   | 7.394  | 91   | 24342    | 2.808 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 7.657  | 75   | 7313     | 2.336 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.847  | 97   | 5194     | 2.390 | ug/L   | 96       |
| 46) Tetrachloroethene         | 7.979  | 164  | 4036     | 2.212 | ug/L   | 94       |
| 48) 2-Hexanone                | 8.149  | 43   | 10829    | 4.968 | ug/L # | 95       |
| 49) Dibromochloromethane      | 8.252  | 129  | 5863     | 2.361 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 8.362  | 107  | 5427     | 2.371 | ug/L # | 98       |
| 51) Chlorobenzene             | 8.882  | 112  | 13918    | 2.377 | ug/L   | 100      |
| 52) Ethylbenzene              | 9.017  | 91   | 18282    | 1.982 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.143  | 106  | 7204     | 2.026 | ug/L   | 95       |
| 54) o-Xylene                  | 9.548  | 106  | 6717     | 1.941 | ug/L   | 99       |
| 55) Styrene                   | 9.570  | 104  | 11008    | 1.830 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 9066     | 2.616 | ug/L # | 97       |
| 59) Bromoform                 | 9.734  | 173  | 4378     | 2.673 | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.934  | 105  | 16967    | 2.051 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 6548     | 2.699 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 14082    | 2.067 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 13363    | 1.954 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 9765     | 2.335 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 10286    | 2.362 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 10747    | 2.542 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.432 | 75   | 1832     | 2.705 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 7317     | 2.314 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 6118     | 2.232 | ug/L   | 100      |
| 71) Naphthalene               | 13.506 | 128  | 18648    | 2.119 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 6331     | 2.185 | ug/L   | 96       |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM102821WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Oct 29 01:52:27 2021  
Response via : Initial Calibration

