

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111922\  
 Data File : VW029210.D  
 Acq On : 20 Nov 2022 07:26  
 Operator : SY/MD  
 Sample : N5651-11  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1K3

Quant Time: Nov 21 00:24:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sun Nov 20 03:53:06 2022  
 Response via : Initial Calibration

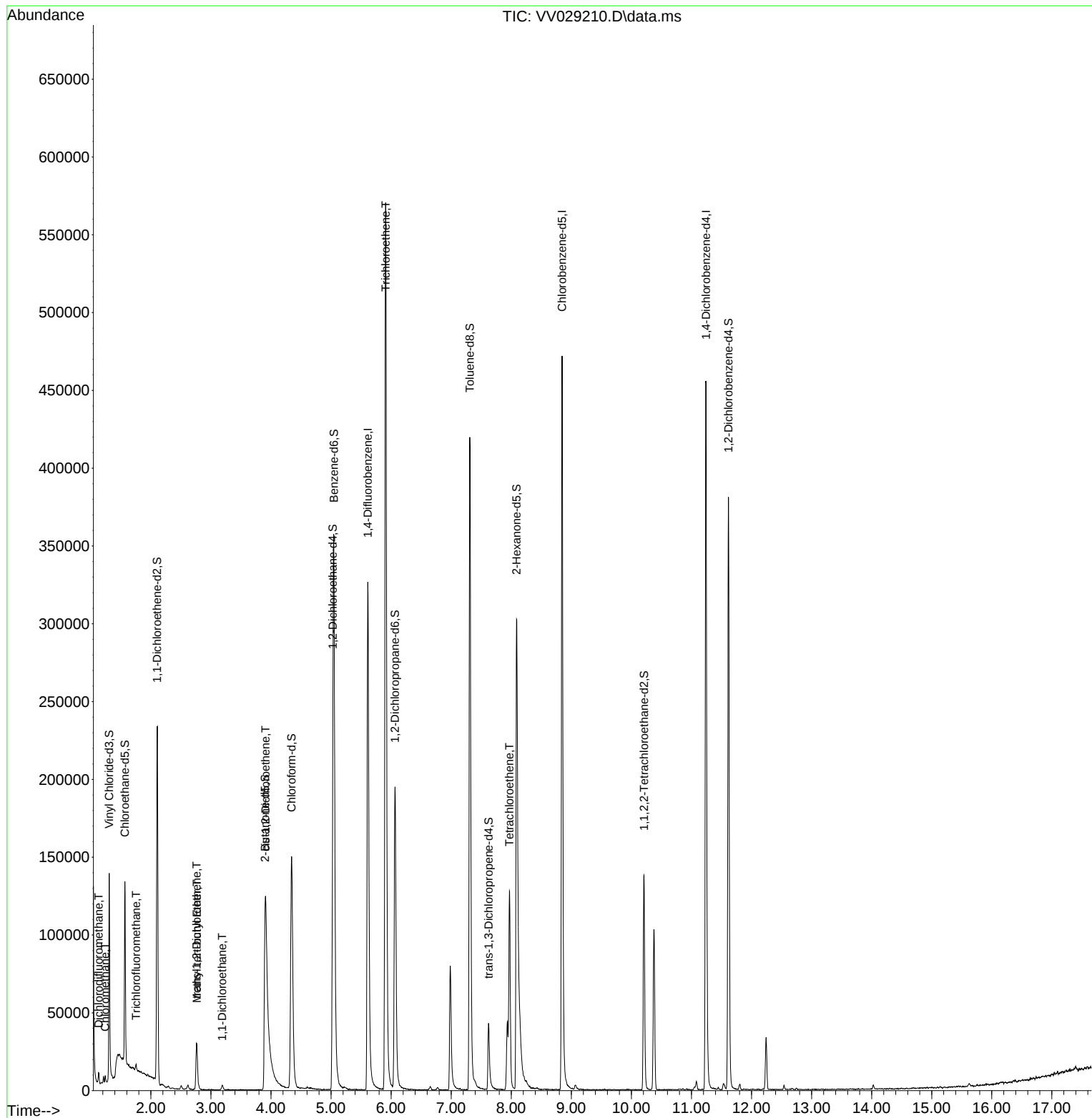
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 310538   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 282214   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.243 | 152   | 131533   | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 90984    | 4.806    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 96.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 76383    | 4.589    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 91.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 119177   | 3.454    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 69.000%  |
| 20) 2-Butanone-d5             | 3.902  | 46    | 173793   | 54.839   | ug/L  | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 109.680% |
| 24) Chloroform-d              | 4.342  | 84    | 165152   | 4.249    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 85.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 75672    | 4.327    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 86.600%  |
| 32) Benzene-d6                | 5.047  | 84    | 352119   | 4.180    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 83.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 102529   | 4.359    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 87.200%  |
| 41) Toluene-d8                | 7.310  | 98    | 305931   | 4.035    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 80.600%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 30078    | 3.921    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 78.400%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 134936   | 41.206   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 82.420%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84    | 71081    | 4.359    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 87.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.616 | 152   | 109678   | 4.661    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 93.200%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 2811     | 0.109    | ug/L  | 97       |
| 3) Chloromethane              | 1.240  | 50    | 3746     | 0.174    | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.754  | 101   | 1708     | 0.052    | ug/L  | 96       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 7525     | 0.187    | ug/L  | 97       |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 10167    | 0.466    | ug/L  | 91       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 3275     | 0.092    | ug/L  | 87       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 27572    | 1.244    | ug/L  | 93       |
| 34) Trichloroethene           | 5.908  | 95    | 208038   | 9.423    | ug/L  | 98       |
| 47) Tetrachloroethene         | 7.969  | 164   | 30433    | 1.721    | ug/L  | 96       |
| -----                         |        |       |          |          |       |          |

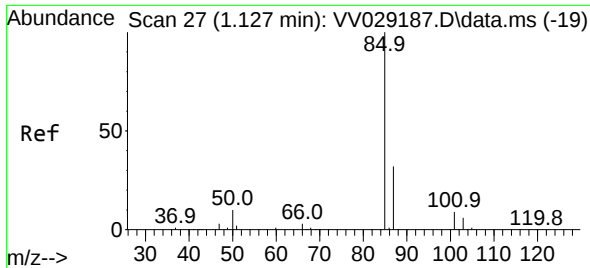
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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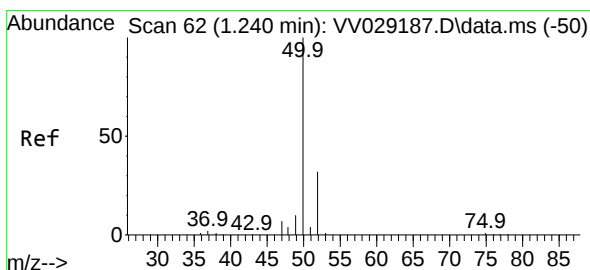
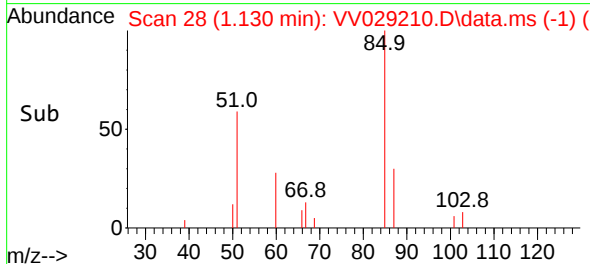
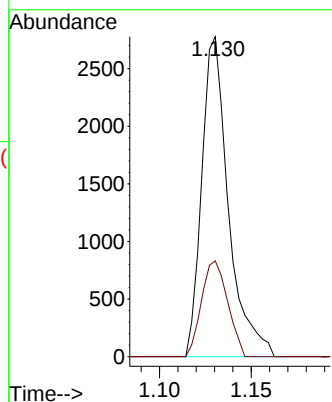
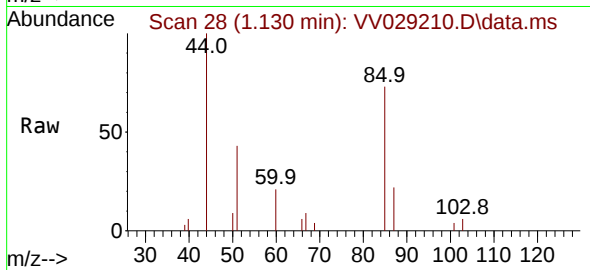




#2  
 Dichlorodifluoromethane  
 Concen: 0.109 ug/L  
 RT: 1.130 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV029210.D  
 Acq: 20 Nov 2022 07:26

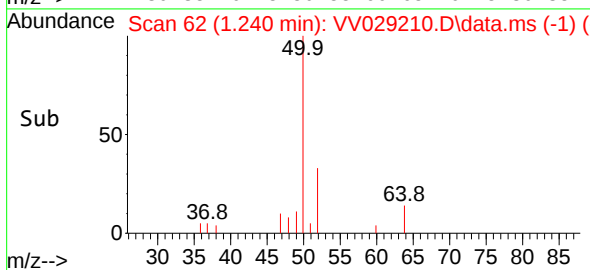
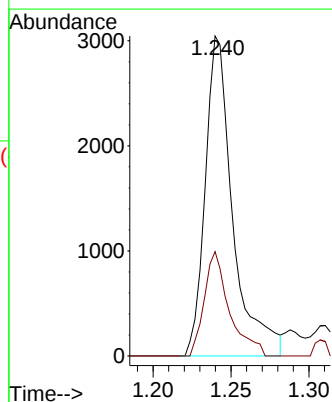
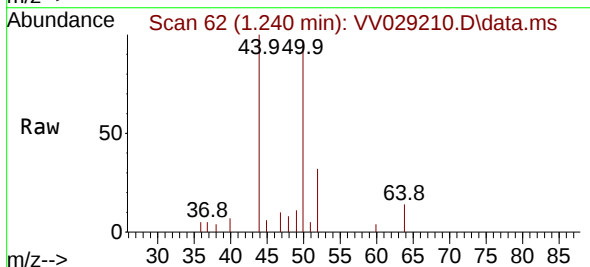
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1K3

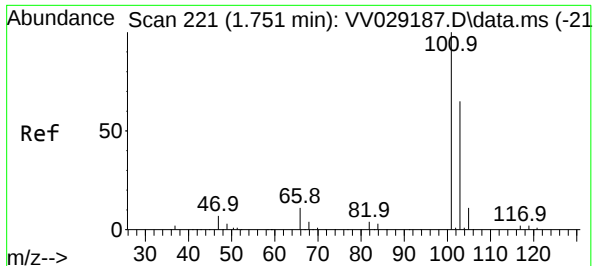
Tgt Ion: 85 Resp: 2811  
 Ion Ratio Lower Upper  
 85 100  
 87 29.3 25.0 37.4



#3  
 Chloromethane  
 Concen: 0.174 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV029210.D  
 Acq: 20 Nov 2022 07:26

Tgt Ion: 50 Resp: 3746  
 Ion Ratio Lower Upper  
 50 100  
 52 32.6 23.7 43.9

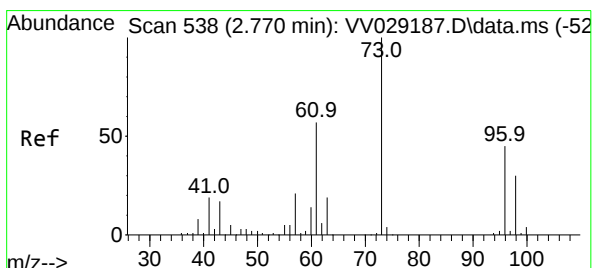
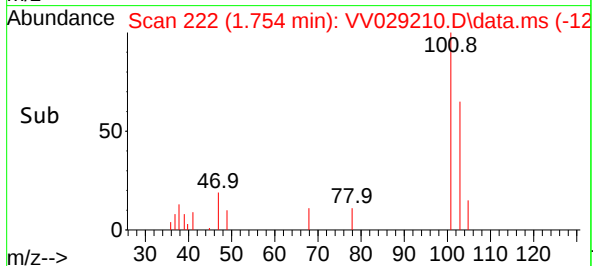
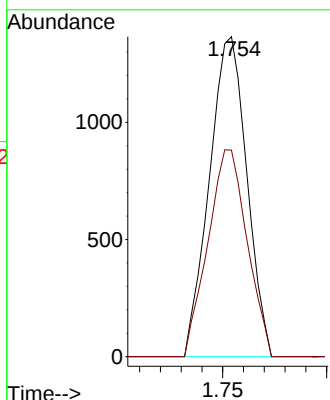
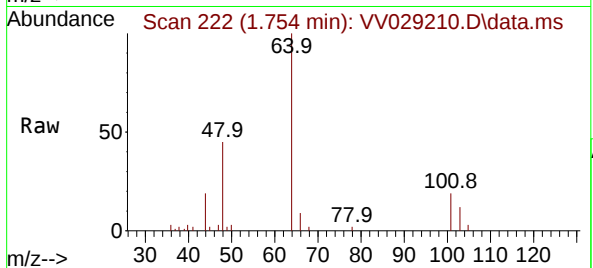




#9  
Trichlorofluoromethane  
Concen: 0.052 ug/L  
RT: 1.754 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV029210.D  
Acq: 20 Nov 2022 07:26

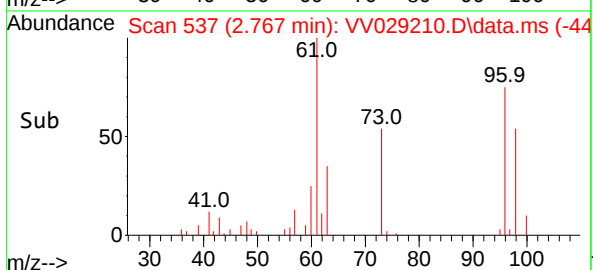
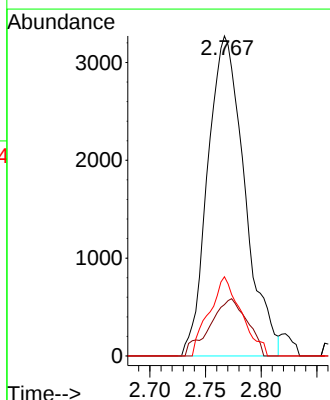
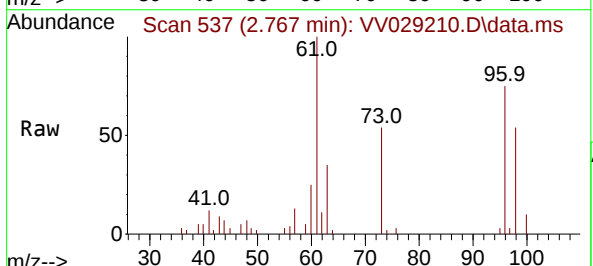
Instrument :  
MSVOA\_V  
ClientSampleId :  
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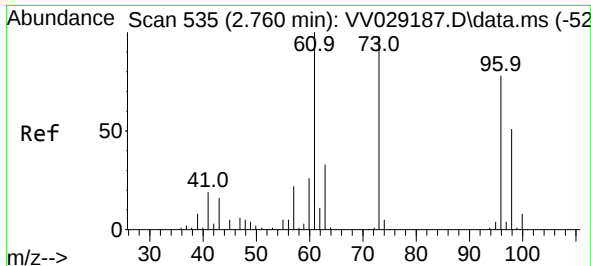
Tgt Ion:101 Resp: 1708  
Ion Ratio Lower Upper  
101 100  
103 67.6 51.3 76.9



#17  
Methyl tert-butyl Ether  
Concen: 0.187 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. -0.003 min  
Lab File: VV029210.D  
Acq: 20 Nov 2022 07:26

Tgt Ion: 73 Resp: 7525  
Ion Ratio Lower Upper  
73 100  
43 18.2 13.0 19.4  
57 21.6 16.6 24.8

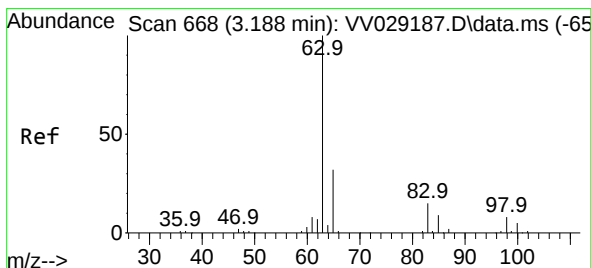
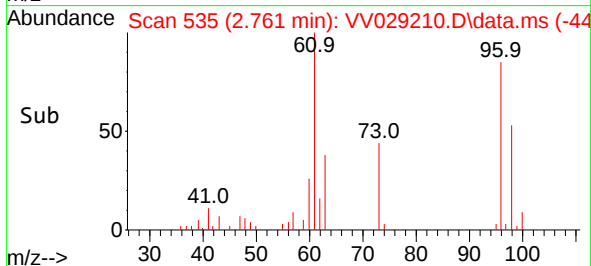
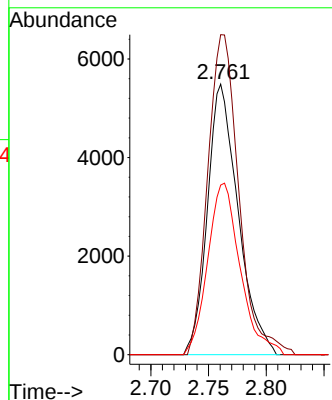
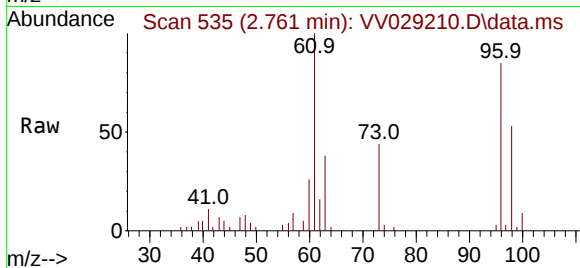




#18  
 trans-1,2-Dichloroethene  
 Concen: 0.466 ug/L  
 RT: 2.761 min Scan# 535  
 Delta R.T. 0.000 min  
 Lab File: VV029210.D  
 Acq: 20 Nov 2022 07:26

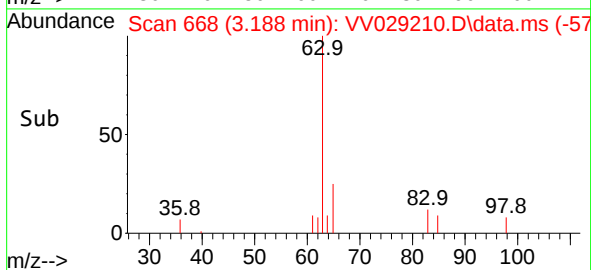
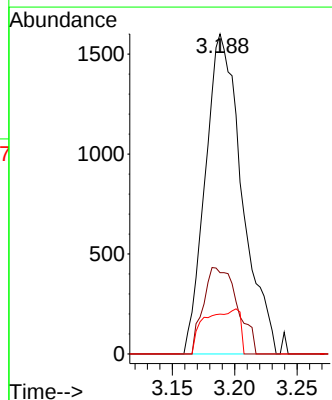
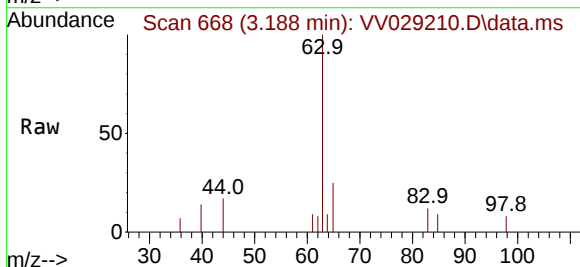
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BH1K3

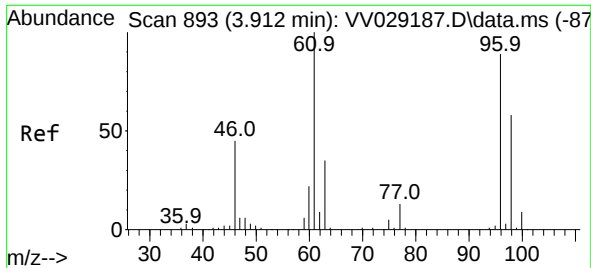
Tgt Ion: 96 Resp: 10167  
 Ion Ratio Lower Upper  
 96 100  
 61 118.3 91.8 170.6  
 98 62.7 46.4 86.2



#19  
 1,1-Dichloroethane  
 Concen: 0.092 ug/L  
 RT: 3.188 min Scan# 668  
 Delta R.T. 0.000 min  
 Lab File: VV029210.D  
 Acq: 20 Nov 2022 07:26

Tgt Ion: 63 Resp: 3275  
 Ion Ratio Lower Upper  
 63 100  
 65 23.3 23.0 42.6  
 83 11.4 9.4 17.6





#22

cis-1,2-Dichloroethene

Concen: 1.244 ug/L

RT: 3.908 min Scan# 89

Delta R.T. -0.003 min

Lab File: VV029210.D

Acq: 20 Nov 2022 07:26

Instrument :

MSVOA\_V

ClientSampleId :

BH1K3

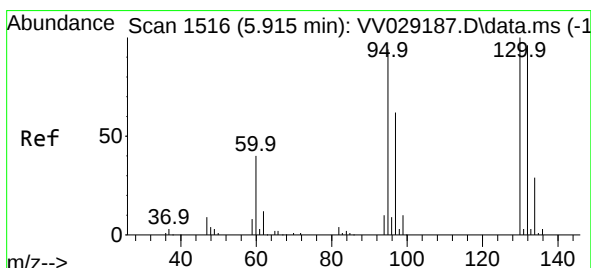
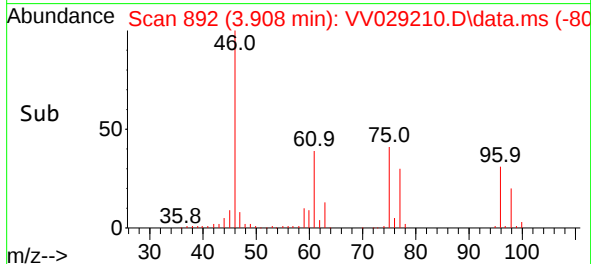
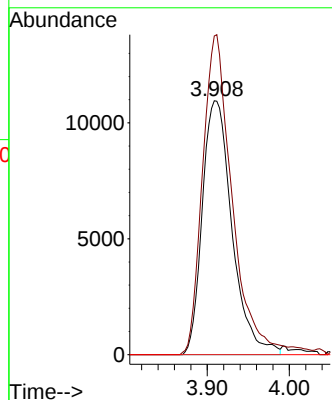
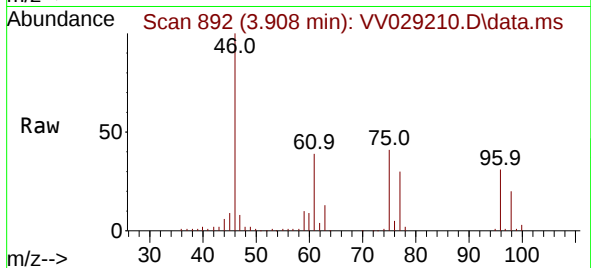
Tgt Ion: 96 Resp: 27572

Ion Ratio Lower Upper

96 100

61 125.5 82.3 152.9

68 0.0 0.0 0.0



#34

Trichloroethene

Concen: 9.423 ug/L

RT: 5.908 min Scan# 1514

Delta R.T. -0.006 min

Lab File: VV029210.D

Acq: 20 Nov 2022 07:26

Tgt Ion: 95 Resp: 208038

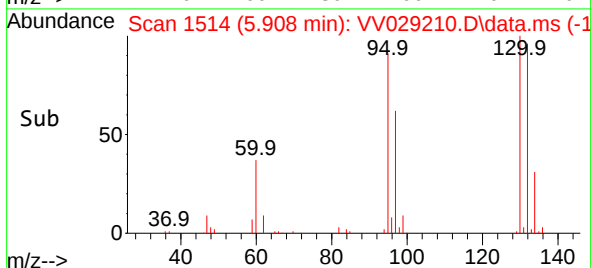
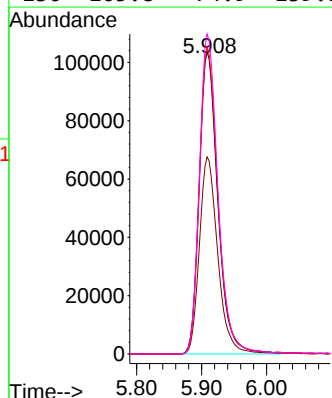
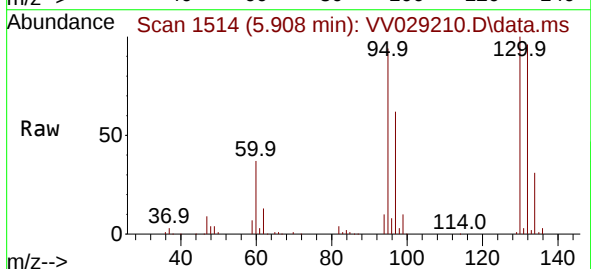
Ion Ratio Lower Upper

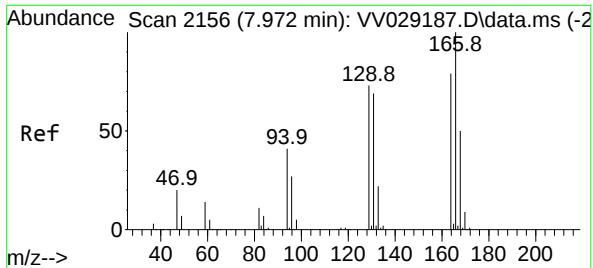
95 100

97 65.2 45.6 84.8

132 101.6 69.1 128.3

130 105.8 74.9 139.1





#47  
 Tetrachloroethene  
 Concen: 1.721 ug/L  
 RT: 7.969 min Scan# 21  
 Delta R.T. -0.003 min  
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|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 30433       |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 92.1  | 63.9 118.7  |
| 131         | 84.7  | 61.8 114.8  |
| 166         | 122.7 | 90.2 167.4  |

