

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW011323\  
 Data File : VW029799.D  
 Acq On : 13 Jan 2023 11:31  
 Operator : SY/MD  
 Sample : 01136-06  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BGJB9

Quant Time: Jan 13 22:50:30 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 12 22:05:54 2023  
 Response via : Initial Calibration

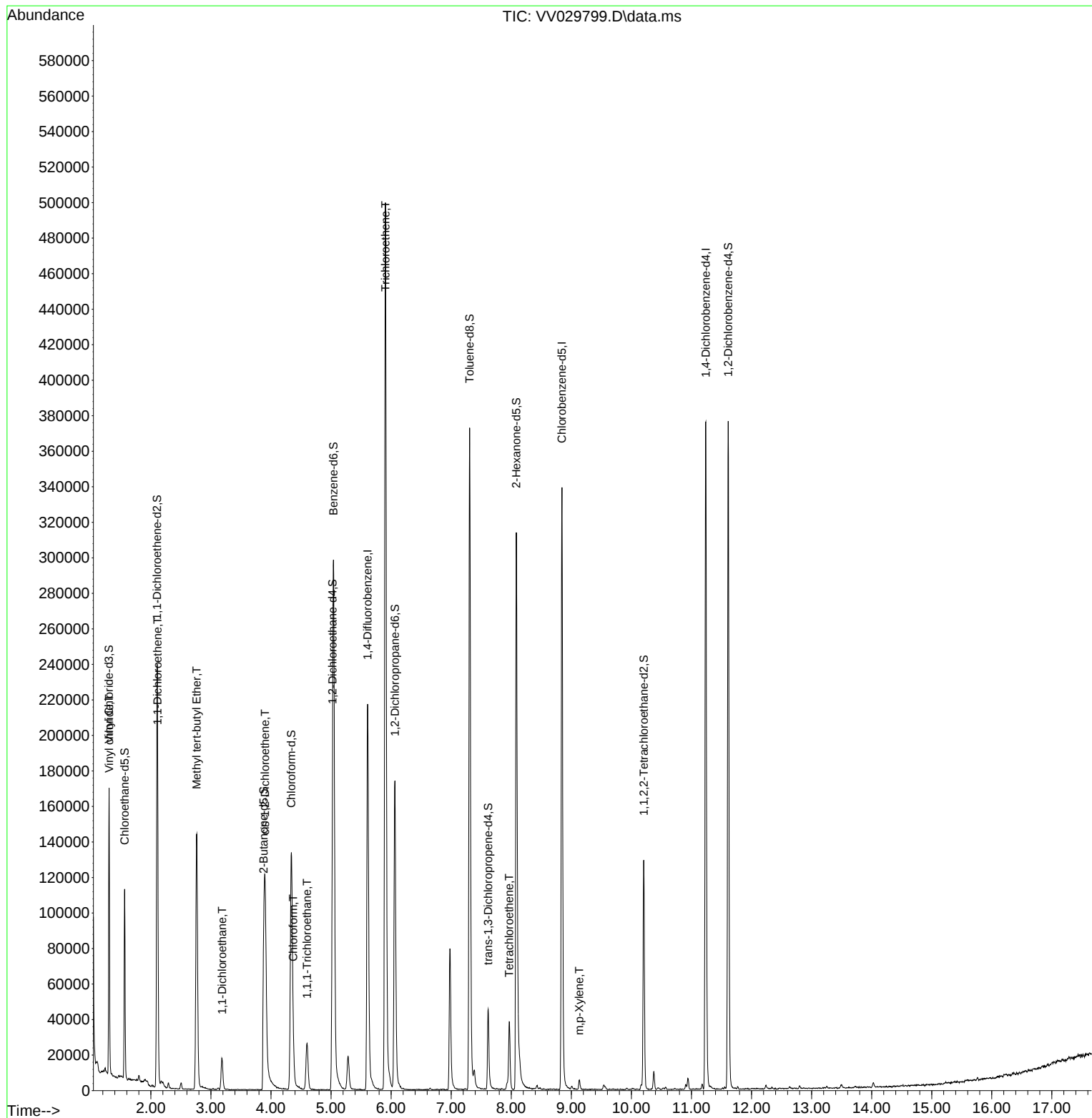
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114   | 212866   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.844  | 117   | 205788   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.239 | 152   | 106984   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 77188    | 4.781    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.600%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 67991    | 5.080    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 101.600% |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 111729   | 3.796    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.000%  |
| 20) 2-Butanone-d5             | 3.880  | 46    | 132696   | 46.370   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 92.740%  |
| 24) Chloroform-d              | 4.339  | 84    | 146366   | 4.942    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65    | 62658    | 4.995    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.000% |
| 32) Benzene-d6                | 5.040  | 84    | 305316   | 5.002    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 100.000% |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67    | 94169    | 5.271    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.400% |
| 41) Toluene-d8                | 7.307  | 98    | 268981   | 4.759    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.200%  |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79    | 30007    | 4.599    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.000%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 125018   | 47.065   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 94.120%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 64929    | 4.959    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 101485   | 5.218    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.400% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.307  | 62    | 24949    | 1.220    | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 24328    | 1.338    | ug/L # | 26       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 151361   | 4.816    | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 18914    | 0.669    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96    | 48065    | 2.670    | ug/L   | 100      |
| 25) Chloroform                | 4.368  | 83    | 18326    | 0.596    | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.600  | 97    | 22188    | 0.830    | ug/L   | 95       |
| 34) Trichloroethene           | 5.905  | 95    | 186296   | 10.804   | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.966  | 164   | 9691     | 0.668    | ug/L   | 94       |
| 53) m,p-Xylene                | 9.133  | 106   | 2062     | 0.068    | ug/L   | 94       |
| -----                         |        |       |          |          |        |          |

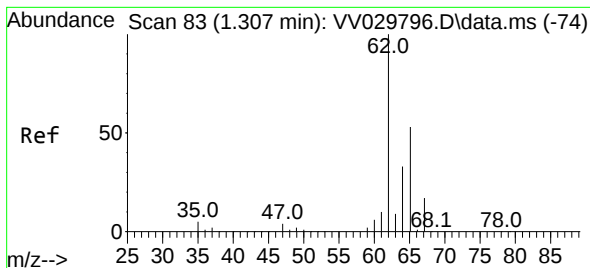
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 12 22:05:54 2023  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.220 ug/L

RT: 1.307 min Scan# 81

Delta R.T. 0.003 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Instrument :

MSVOA\_V

ClientSampleId :

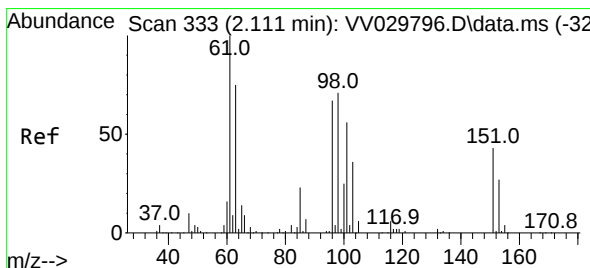
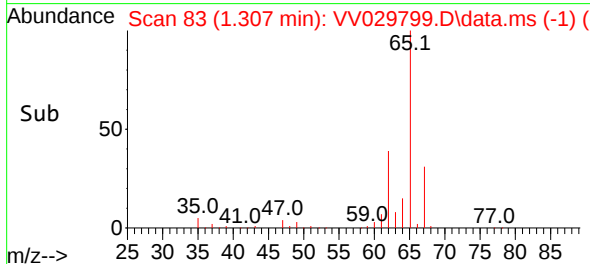
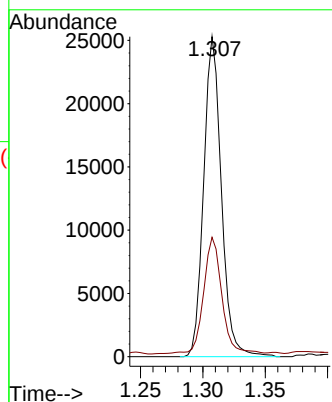
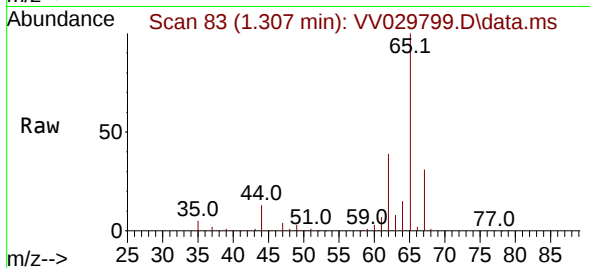
BGJB9

Tgt Ion: 62 Resp: 24949

Ion Ratio Lower Upper

62 100

64 37.3 23.2 43.2



#12

1,1-Dichloroethene

Concen: 1.338 ug/L

RT: 2.114 min Scan# 334

Delta R.T. 0.003 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

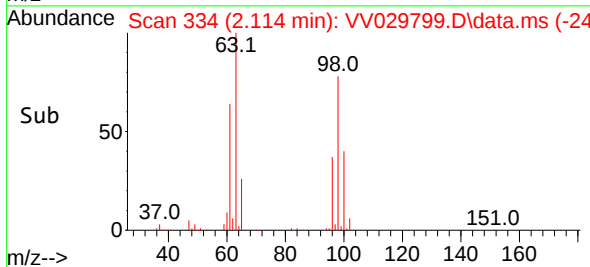
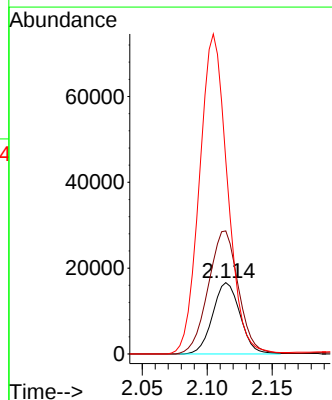
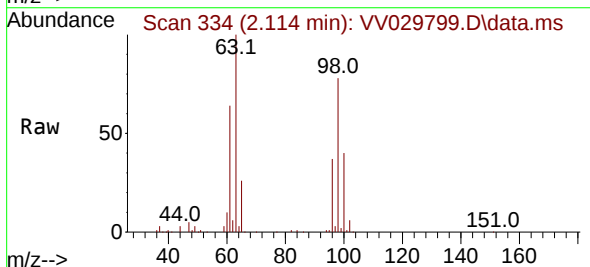
Tgt Ion: 96 Resp: 24328

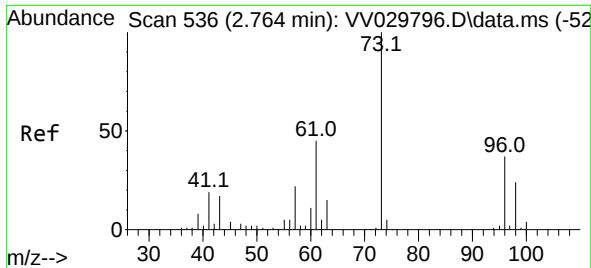
Ion Ratio Lower Upper

96 100

61 172.5 106.1 197.1

63 271.2 76.4 141.8#

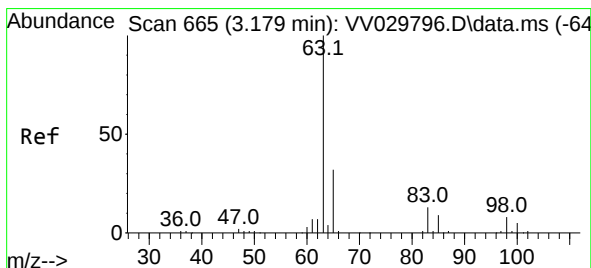
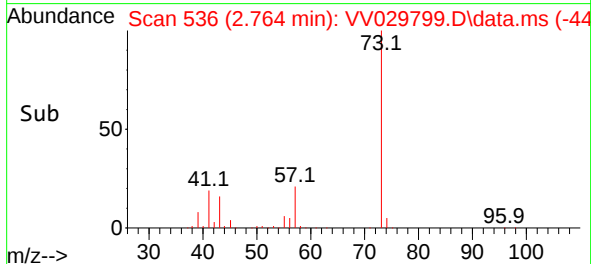
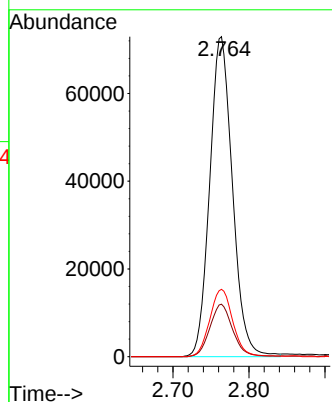
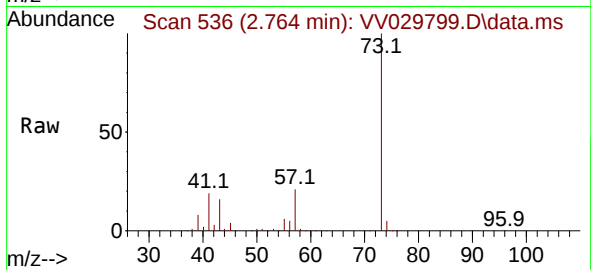




#17  
Methyl tert-butyl Ether  
Concen: 4.816 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV029799.D  
Acq: 13 Jan 2023 11:31

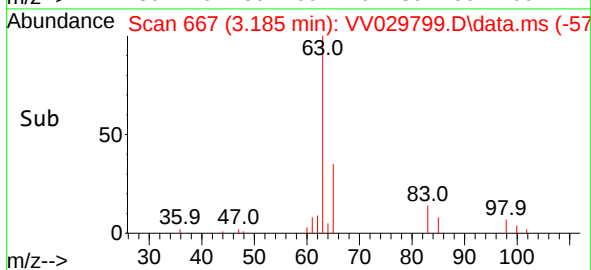
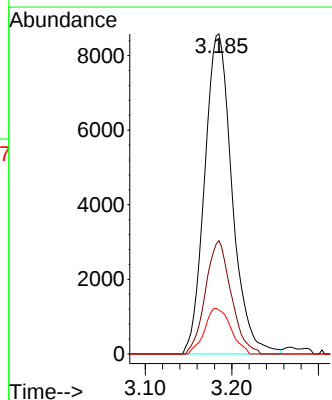
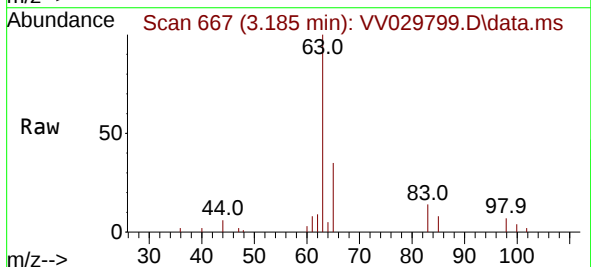
Instrument :  
MSVOA\_V  
ClientSampleId :  
BGJB9

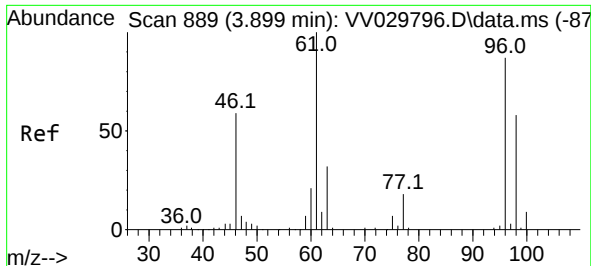
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 73    | Resp: | 151361 |
| Ion      | Ratio | Lower | Upper  |
| 73       | 100   |       |        |
| 43       | 16.5  | 13.0  | 19.4   |
| 57       | 21.4  | 17.1  | 25.7   |



#19  
1,1-Dichloroethane  
Concen: 0.669 ug/L  
RT: 3.185 min Scan# 667  
Delta R.T. 0.006 min  
Lab File: VV029799.D  
Acq: 13 Jan 2023 11:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 18914 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 35.4  | 22.4  | 41.6  |
| 83       | 13.8  | 10.2  | 19.0  |





#22

cis-1,2-Dichloroethene

Concen: 2.670 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Instrument :

MSVOA\_V

ClientSampleId :

BGJB9

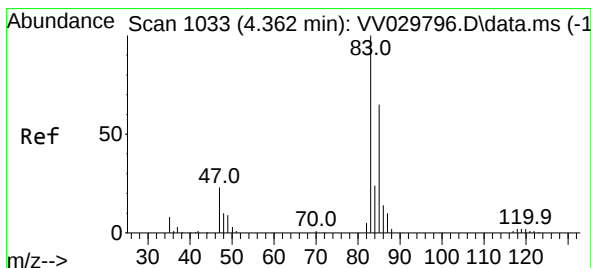
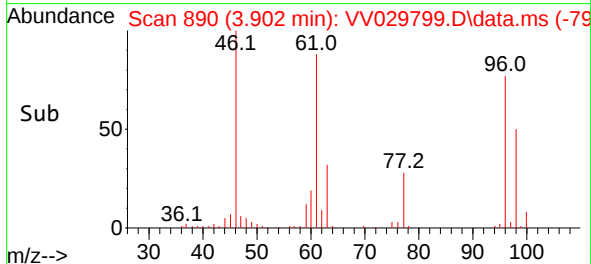
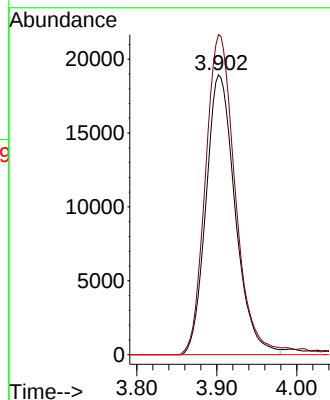
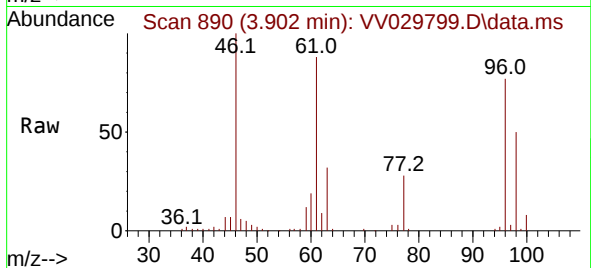
Tgt Ion: 96 Resp: 48065

Ion Ratio Lower Upper

96 100

61 114.4 80.0 148.6

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.596 ug/L

RT: 4.368 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VV029799.D

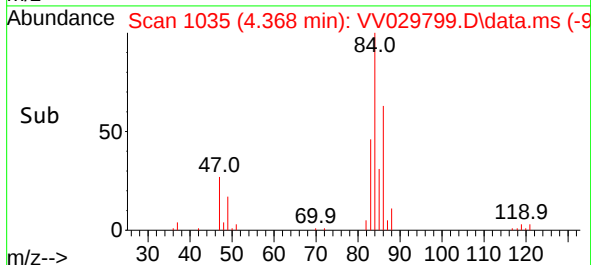
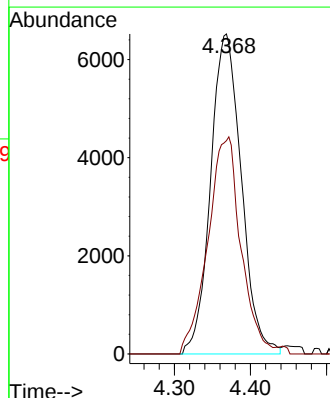
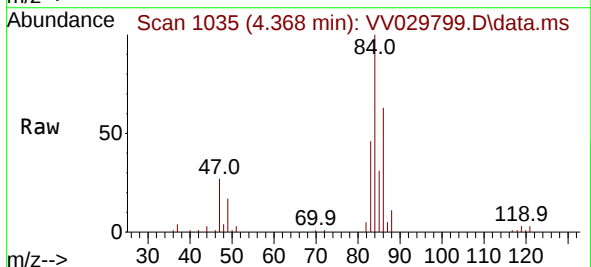
Acq: 13 Jan 2023 11:31

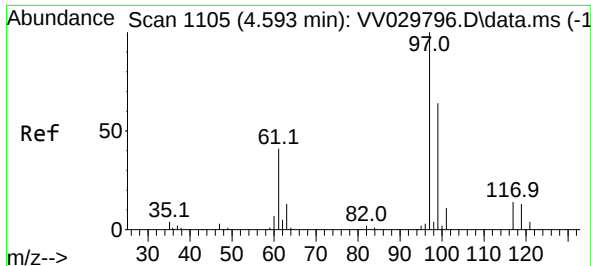
Tgt Ion: 83 Resp: 18326

Ion Ratio Lower Upper

83 100

85 66.7 46.5 86.5





#29

1,1,1-Trichloroethane

Concen: 0.830 ug/L

RT: 4.600 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Instrument :

MSVOA\_V

ClientSampleId :

BGJB9

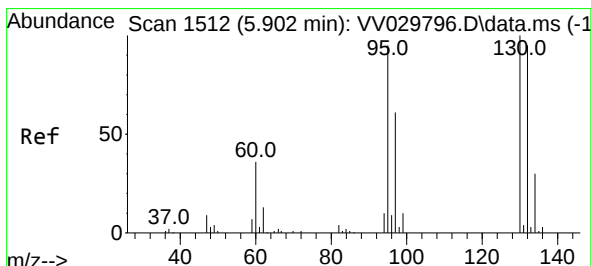
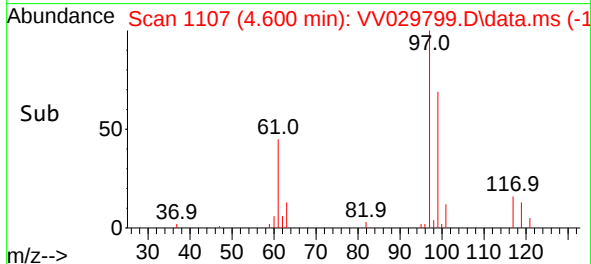
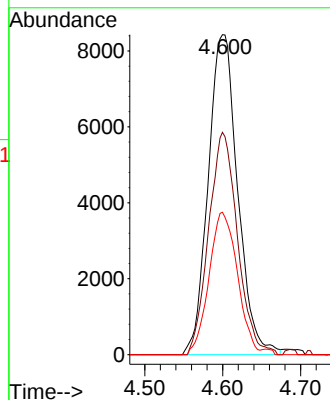
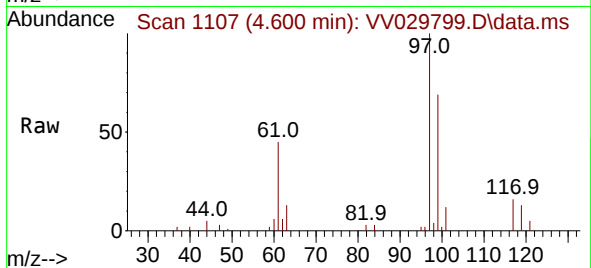
Tgt Ion: 97 Resp: 22188

Ion Ratio Lower Upper

97 100

99 67.8 51.3 76.9

61 42.8 31.6 47.4



#34

Trichloroethene

Concen: 10.804 ug/L

RT: 5.905 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Tgt Ion: 95 Resp: 186296

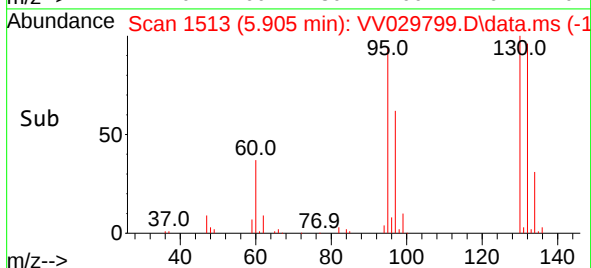
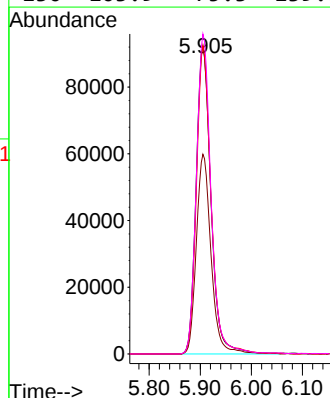
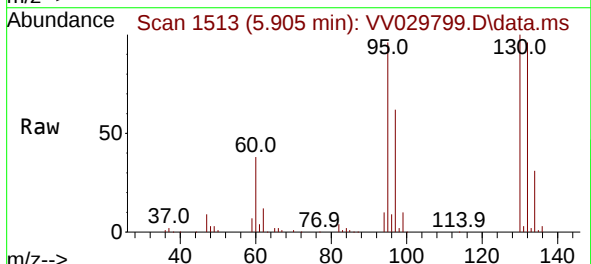
Ion Ratio Lower Upper

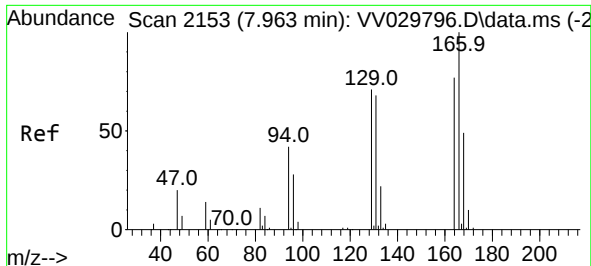
95 100

97 64.8 44.9 83.3

132 100.1 71.8 133.4

130 103.9 75.3 139.8





#47

Tetrachloroethene

Concen: 0.668 ug/L

RT: 7.966 min Scan# 2153

Delta R.T. 0.000 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Instrument :

MSVOA\_V

ClientSampleId :

BGJB9

Tgt Ion:164 Resp: 9691

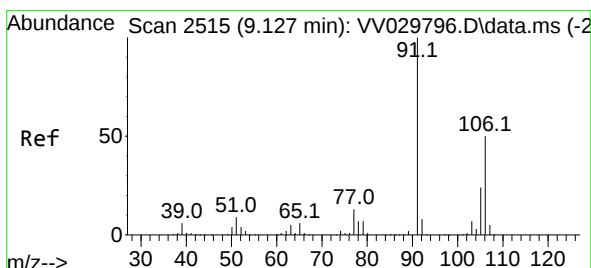
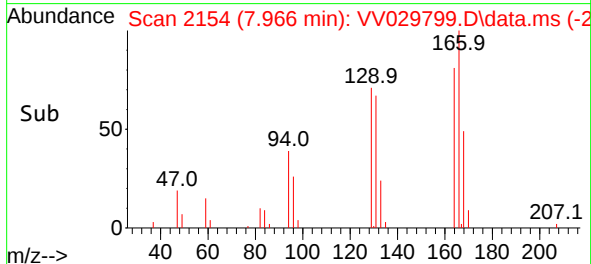
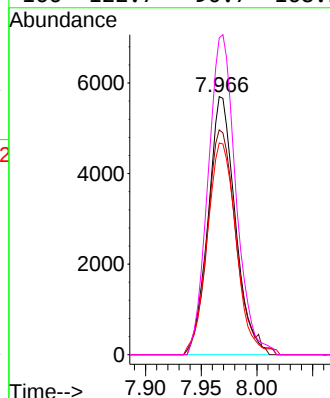
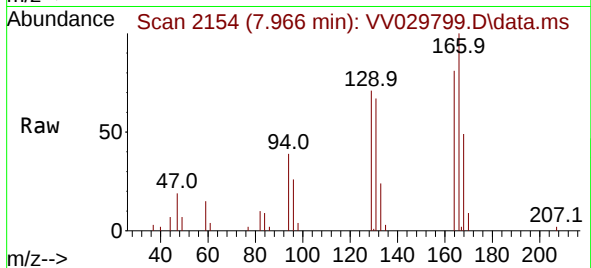
Ion Ratio Lower Upper

164 100

129 87.1 64.5 119.7

131 82.0 62.9 116.7

166 122.7 90.7 168.5



#53

m,p-Xylene

Concen: 0.068 ug/L

RT: 9.133 min Scan# 2517

Delta R.T. 0.003 min

Lab File: VV029799.D

Acq: 13 Jan 2023 11:31

Tgt Ion:106 Resp: 2062

Ion Ratio Lower Upper

106 100

91 189.5 138.7 257.7

