

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV083122\  
 Data File : VV027662.D  
 Acq On : 01 Sep 2022 11:52  
 Operator : SY/MD  
 Sample : N4369-03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 01 23:16:36 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR083122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Sep 01 07:36:37 2022  
 Response via : Initial Calibration

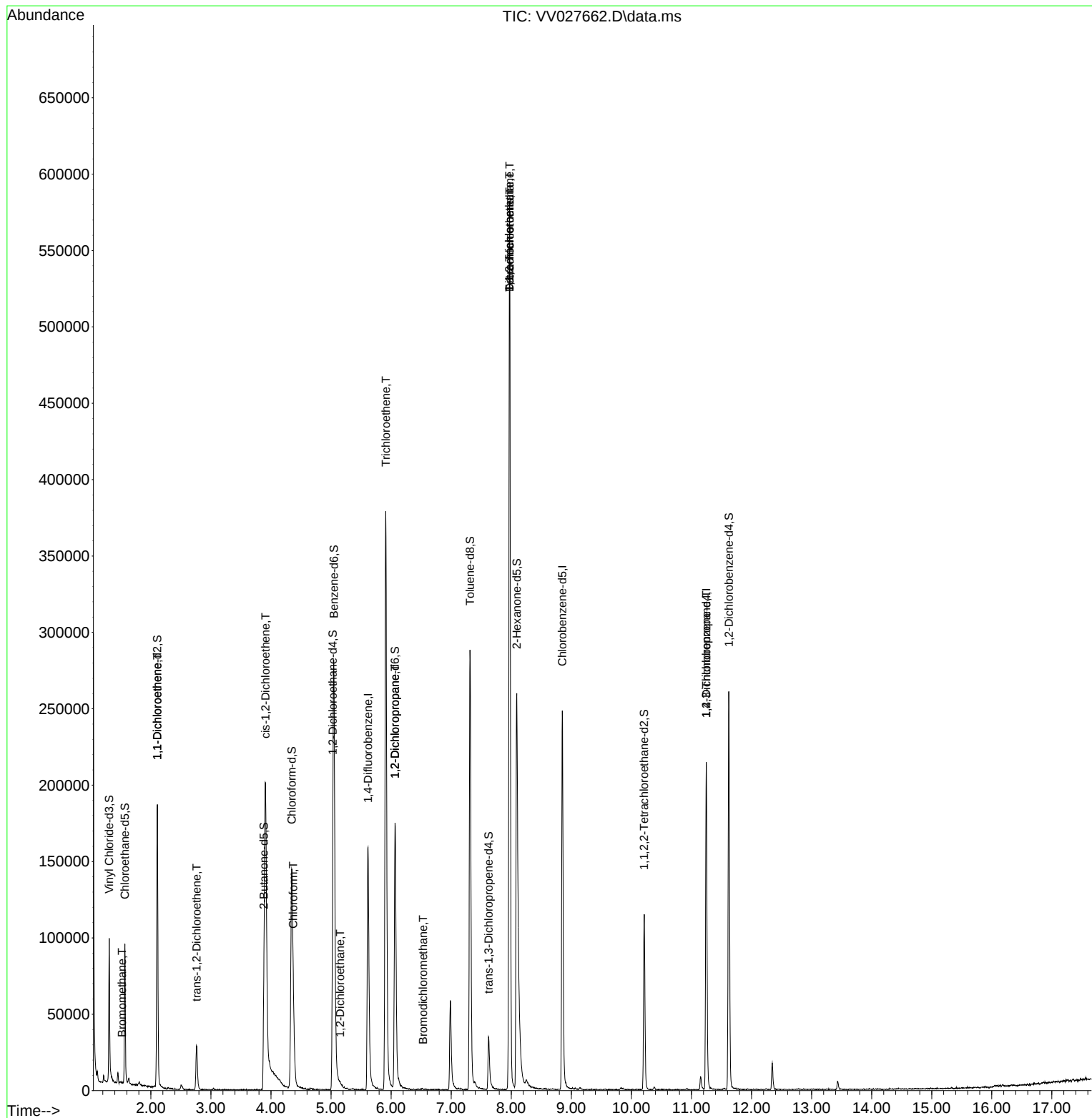
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 136752   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 138060   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 56977    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 65384    | 4.401    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.000%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 57430    | 4.620    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 98416    | 3.385    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 67.600%  |
| 20) 2-Butanone-d5             | 3.883  | 46    | 92786    | 36.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 73.880%  |
| 24) Chloroform-d              | 4.346  | 84    | 142879   | 4.791    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 69330    | 5.189    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.800% |
| 32) Benzene-d6                | 5.047  | 84    | 254973   | 4.509    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 90.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 82631    | 4.724    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.400%  |
| 41) Toluene-d8                | 7.313  | 98    | 197154   | 4.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.600%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 22231    | 4.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.600%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 107373   | 52.986   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 105.980% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 54604    | 4.851    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 97.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 67178    | 5.266    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 105.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Bromomethane               | 1.519  | 94    | 495      | 0.062    | ug/L   | 77       |
| 12) 1,1-Dichloroethene        | 2.108  | 96    | 1050     | 0.092    | ug/L # | 1        |
| 18) trans-1,2-Dichloroethene  | 2.761  | 96    | 10843    | 0.838    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 100766   | 7.803    | ug/L   | 90       |
| 25) Chloroform                | 4.371  | 83    | 34721    | 1.305    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.149  | 62    | 1797     | 0.124    | ug/L # | 76       |
| 34) Trichloroethene           | 5.912  | 95    | 133432   | 10.080   | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 10112    | 0.744    | ug/L # | 89       |
| 38) Bromodichloromethane      | 6.532  | 83    | 687      | 0.040    | ug/L # | 76       |
| 45) 1,1,2-Trichloroethane     | 7.969  | 97    | 1225     | 0.140    | ug/L # | 6        |
| 47) Tetrachloroethene         | 7.973  | 164   | 125605   | 11.703   | ug/L   | 98       |
| 49) Dibromochloromethane      | 7.973  | 129   | 118497   | 11.403   | ug/L # | 12       |
| 61) 1,2,3-Trichloropropane    | 11.246 | 75    | 7196     | 1.248    | ug/L # | 67       |

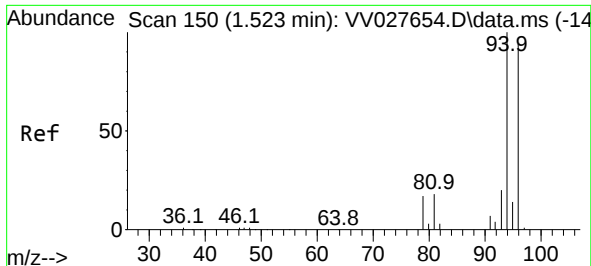
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV083122\  
Data File : VV027662.D  
Acq On : 01 Sep 2022 11:52  
Operator : SY/MD  
Sample : N4369-03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 54 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Sep 01 23:16:36 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR083122WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Sep 01 07:36:37 2022  
Response via : Initial Calibration

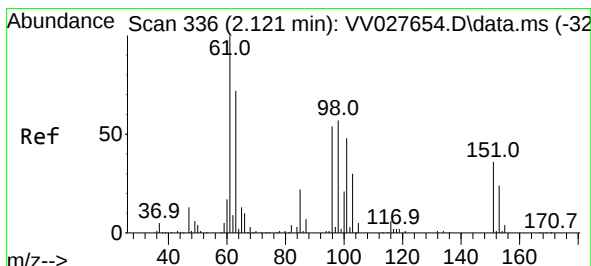
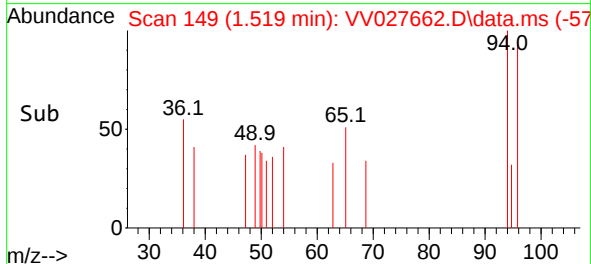
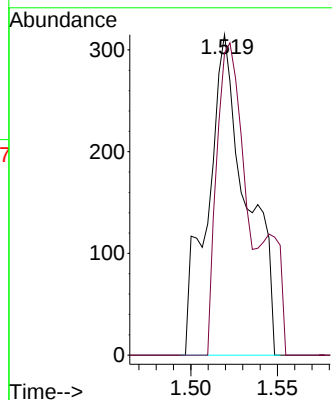
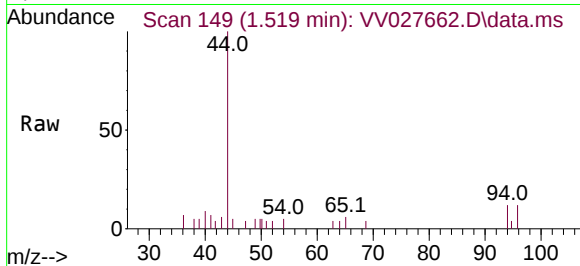




#6  
Bromomethane  
Concen: 0.062 ug/L  
RT: 1.519 min Scan# 14  
Delta R.T. -0.003 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

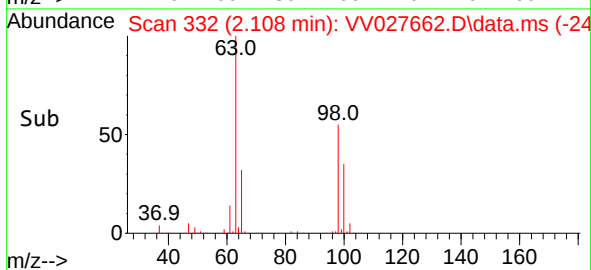
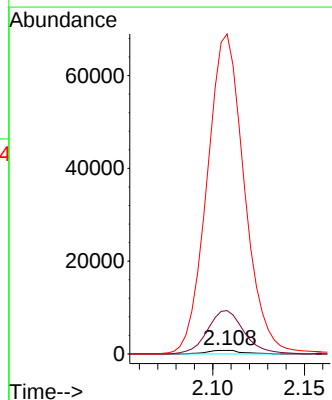
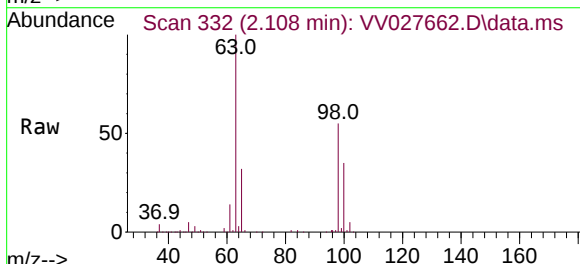
Instrument :  
MSVOA\_V  
ClientSampleId :

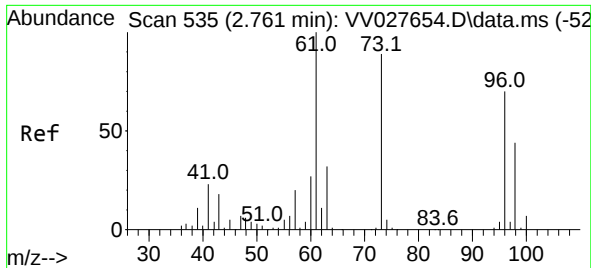
Tgt Ion: 94 Resp: 495  
Ion Ratio Lower Upper  
94 100  
96 71.2 65.1 120.9



#12  
1,1-Dichloroethene  
Concen: 0.092 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.013 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

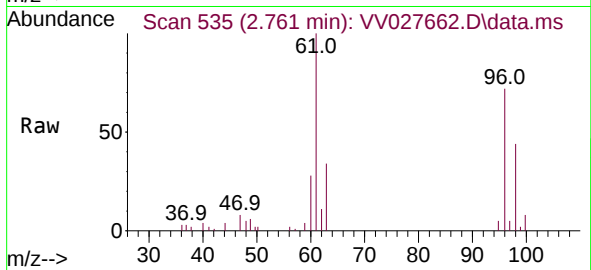
Tgt Ion: 96 Resp: 1050  
Ion Ratio Lower Upper  
96 100  
61 1202.8 134.3 249.3#  
63 8863.8 105.7 196.3#



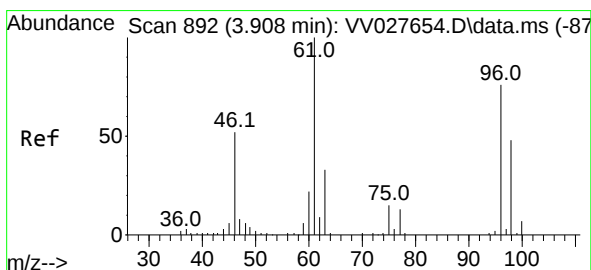
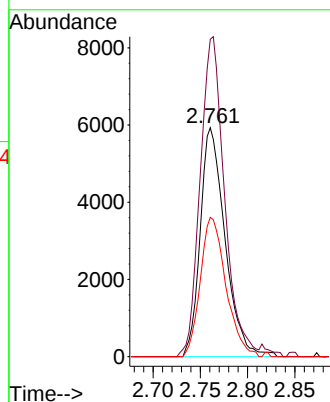
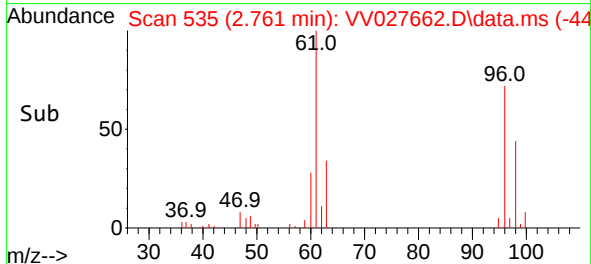


#18  
trans-1,2-Dichloroethene  
Concen: 0.838 ug/L  
RT: 2.761 min Scan# 518  
Delta R.T. 0.000 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

Instrument :  
MSVOA\_V  
ClientSampleId :

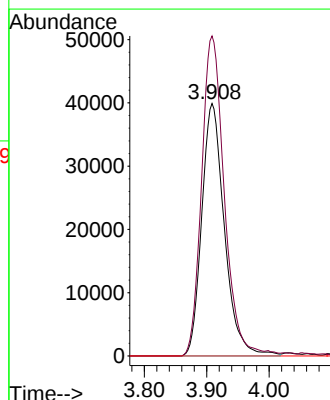
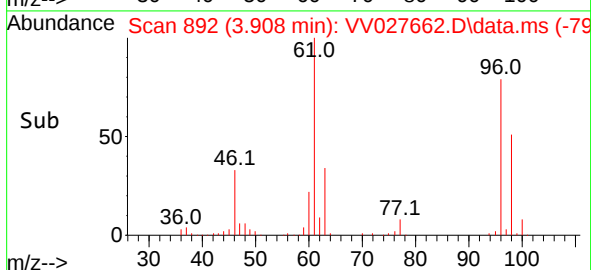
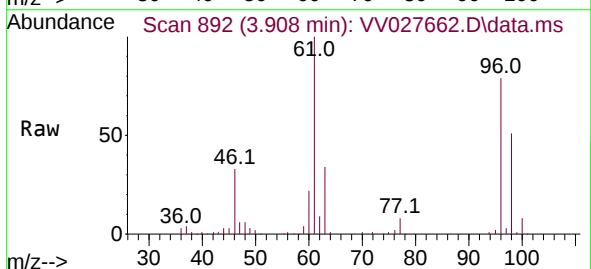


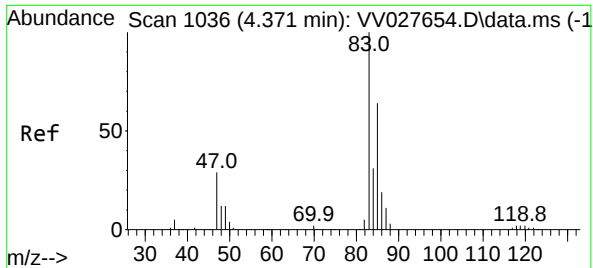
Tgt Ion: 96 Resp: 10843  
Ion Ratio Lower Upper  
96 100  
61 138.6 101.8 189.0  
98 60.9 44.9 83.3



#22  
cis-1,2-Dichloroethene  
Concen: 7.803 ug/L  
RT: 3.908 min Scan# 892  
Delta R.T. 0.000 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

Tgt Ion: 96 Resp: 100766  
Ion Ratio Lower Upper  
96 100  
61 126.7 96.9 180.1  
68 0.0 0.0 0.0

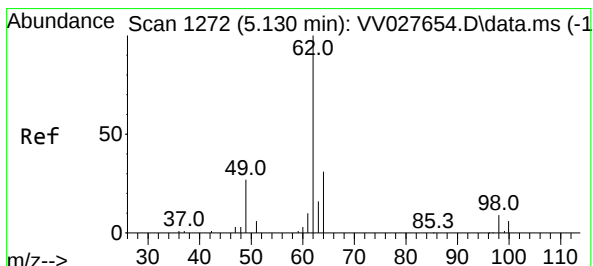
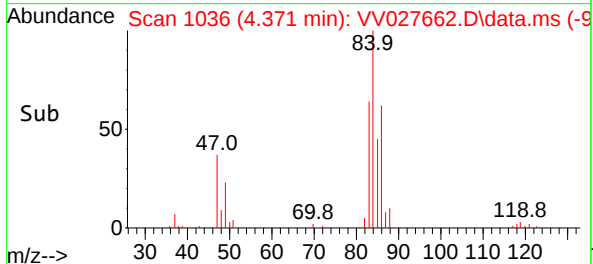
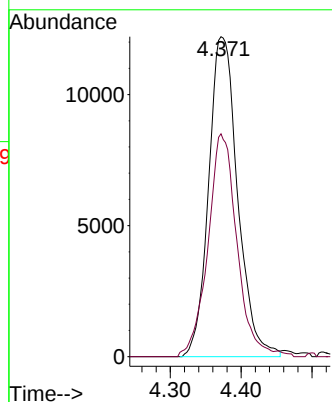
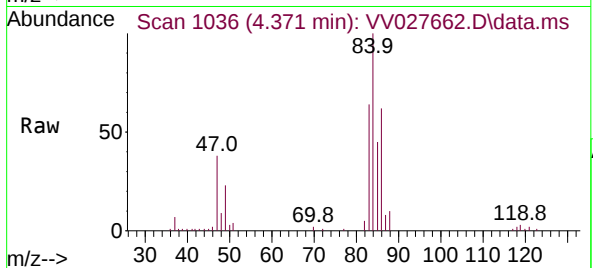




#25  
Chloroform  
Concen: 1.305 ug/L  
RT: 4.371 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

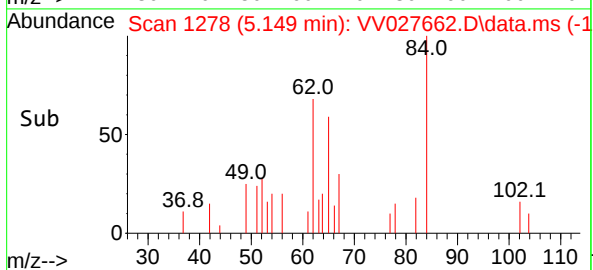
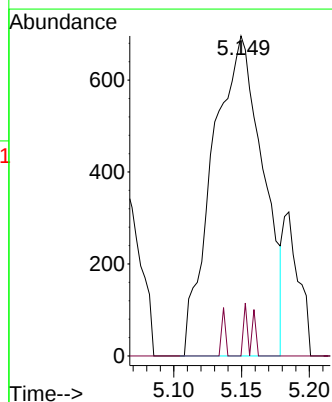
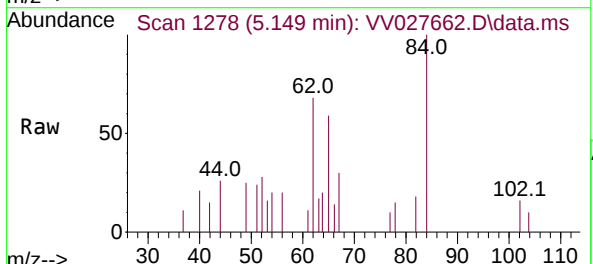
Instrument :  
MSVOA\_V  
ClientSampleId :

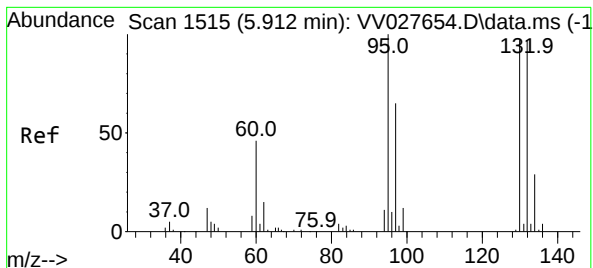
Tgt Ion: 83 Resp: 34721  
Ion Ratio Lower Upper  
83 100  
85 69.6 44.7 83.1



#27  
1,2-Dichloroethane  
Concen: 0.124 ug/L  
RT: 5.149 min Scan# 1278  
Delta R.T. 0.019 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

Tgt Ion: 62 Resp: 1797  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.0 10.6#





#34

Trichloroethene

Concen: 10.080 ug/L

RT: 5.912 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV027662.D

Acq: 01 Sep 2022 11:52

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 133432

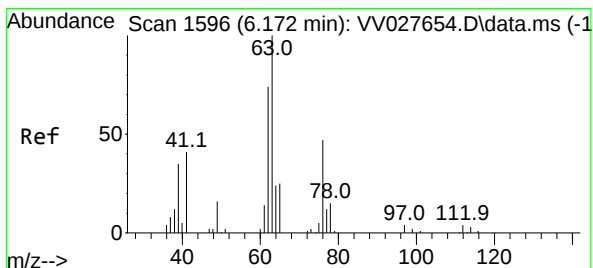
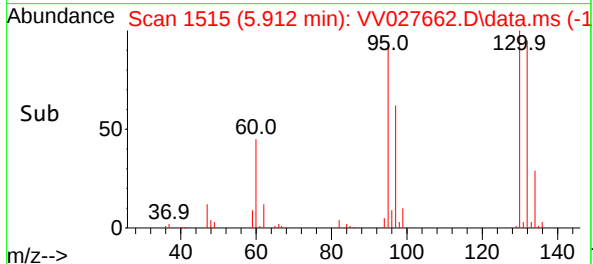
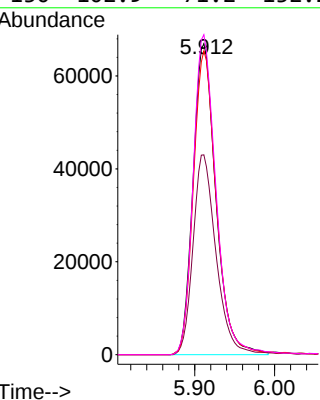
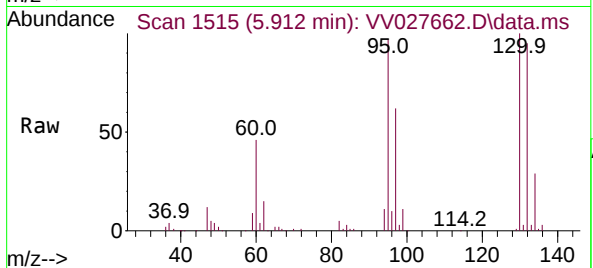
Ion Ratio Lower Upper

95 100

97 64.2 46.1 85.5

132 97.7 67.3 125.1

130 102.9 71.2 132.2



#37

1,2-Dichloropropane

Concen: 0.744 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.106 min

Lab File: VV027662.D

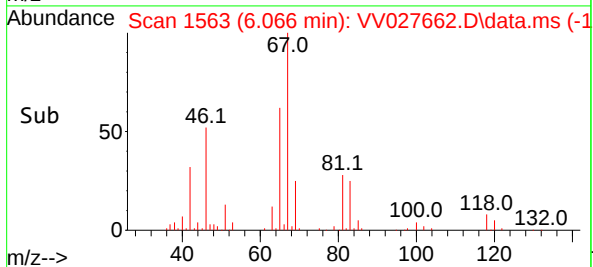
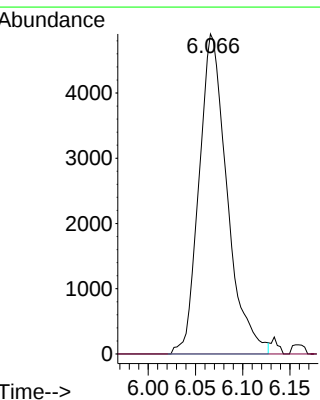
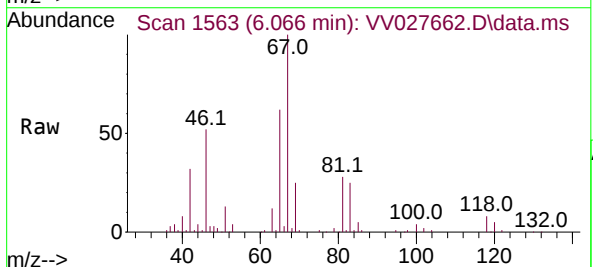
Acq: 01 Sep 2022 11:52

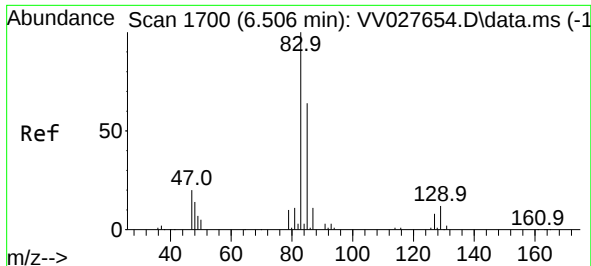
Tgt Ion: 63 Resp: 10112

Ion Ratio Lower Upper

63 100

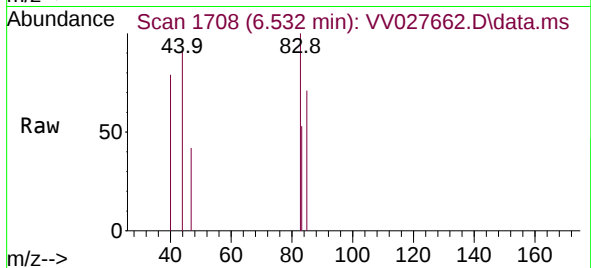
112 0.0 2.9 4.3#



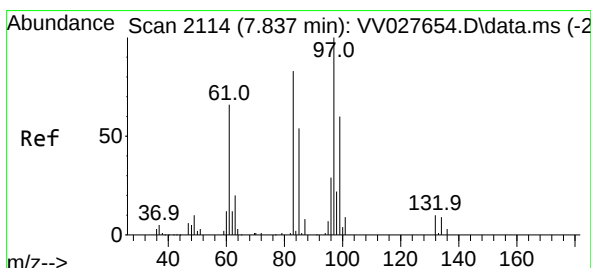
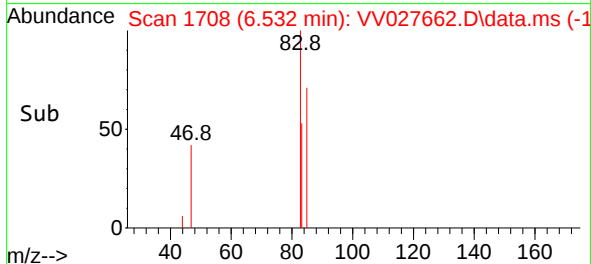
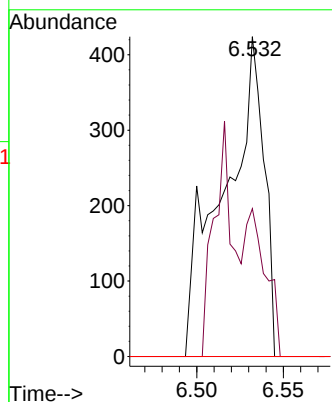


#38  
Bromodichloromethane  
Concen: 0.040 ug/L  
RT: 6.532 min Scan# 11  
Delta R.T. 0.026 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

Instrument :  
MSVOA\_V  
ClientSampleId :

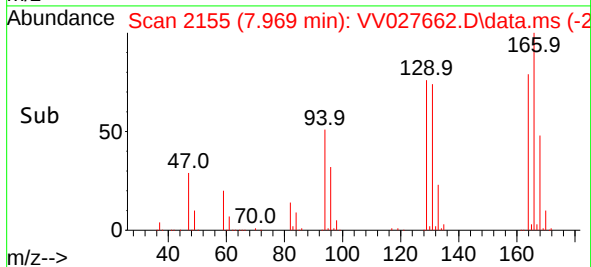
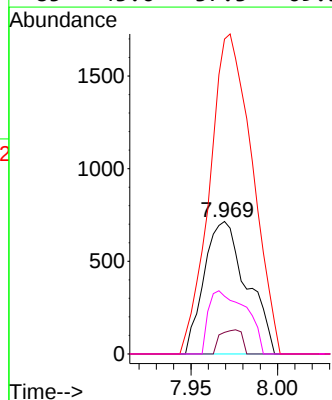
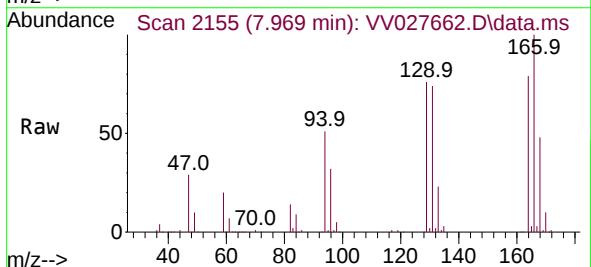


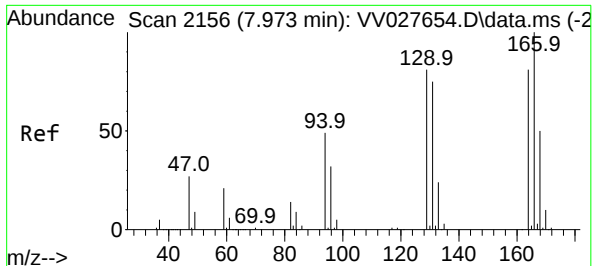
Tgt Ion: 83 Resp: 687  
Ion Ratio Lower Upper  
83 100  
85 46.2 45.2 84.0  
127 0.0 7.0 10.6#



#45  
1,1,2-Trichloroethane  
Concen: 0.140 ug/L  
RT: 7.969 min Scan# 2155  
Delta R.T. 0.132 min  
Lab File: VV027662.D  
Acq: 01 Sep 2022 11:52

Tgt Ion: 97 Resp: 1225  
Ion Ratio Lower Upper  
97 100  
99 16.2 41.3 76.7#  
83 237.6 57.5 106.9#  
85 43.6 37.3 69.3





#47

Tetrachloroethene

Concen: 11.703 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. 0.000 min

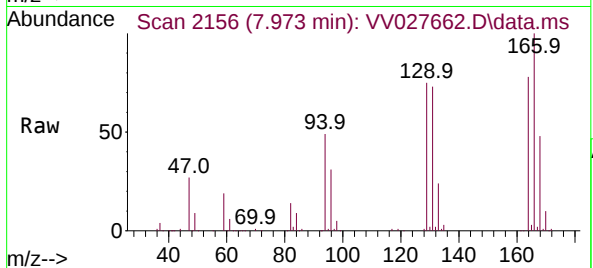
Lab File: VV027662.D

Acq: 01 Sep 2022 11:52

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:164 Resp: 125605

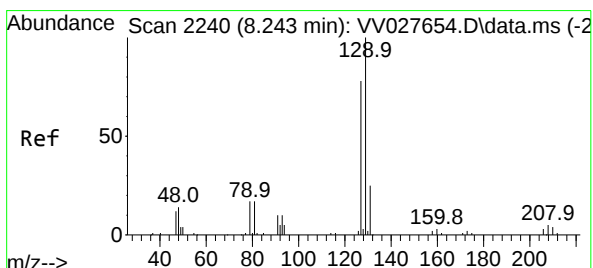
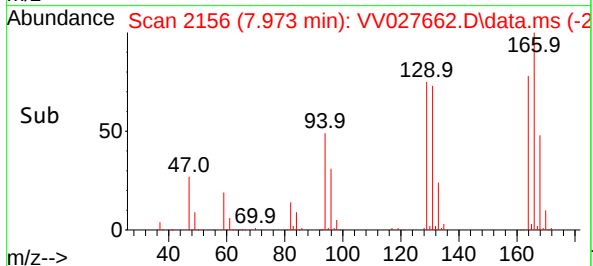
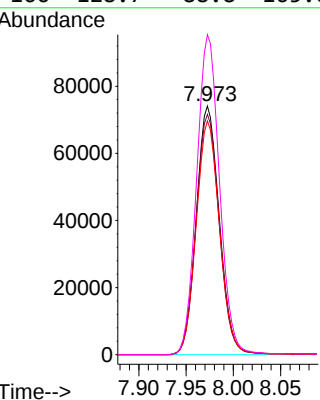
Ion Ratio Lower Upper

164 100

129 96.7 65.9 122.3

131 94.1 64.5 119.7

166 128.7 88.8 165.0



#49

Dibromochloromethane

Concen: 11.403 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV027662.D

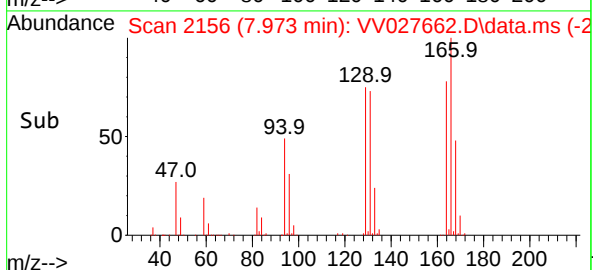
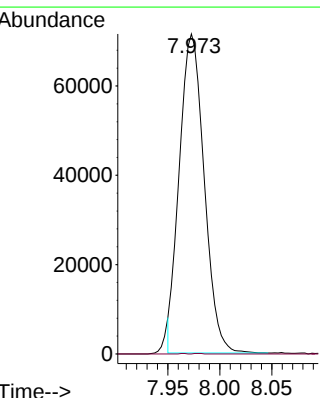
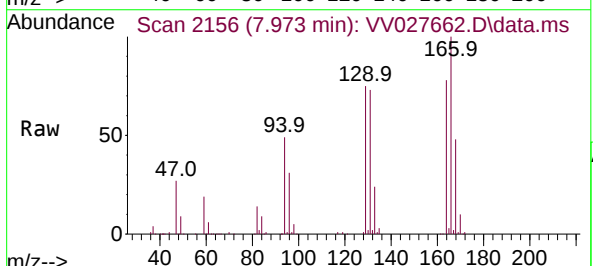
Acq: 01 Sep 2022 11:52

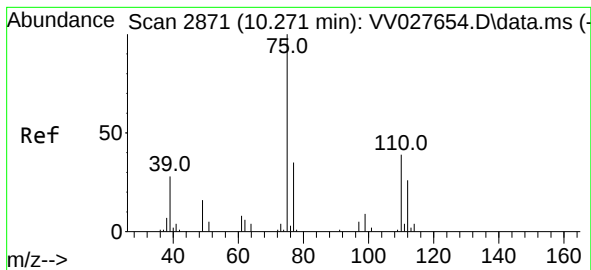
Tgt Ion:129 Resp: 118497

Ion Ratio Lower Upper

129 100

127 0.0 52.4 97.4#





#61

1,2,3-Trichloropropane

Concen: 1.248 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

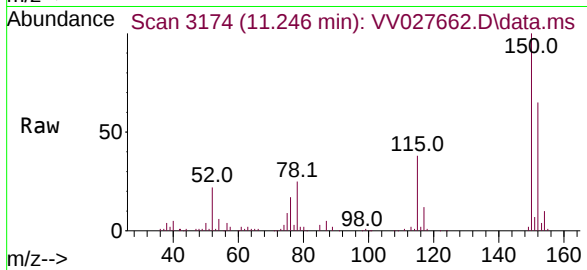
Lab File: VV027662.D

Acq: 01 Sep 2022 11:52

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 75 Resp: 7196

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

110 0.3 29.8 44.8#

