

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040523\  
 Data File : VU053582.D  
 Acq On : 05 Apr 2023 15:02  
 Operator : JC/MD  
 Sample : 02158-28  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK001

Quant Time: Apr 06 03:37:20 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 01 04:51:17 2023  
 Response via : Initial Calibration

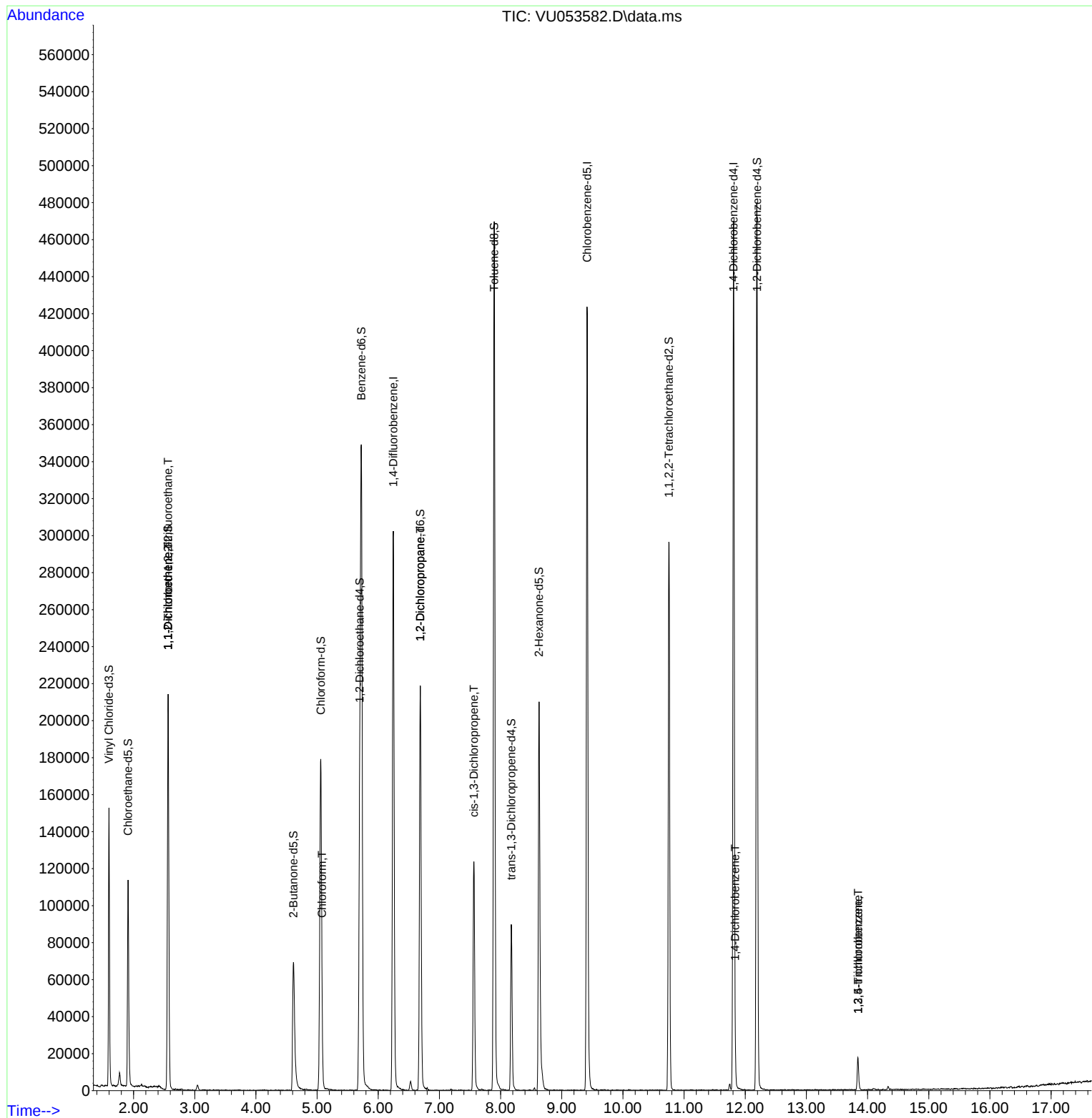
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.247   | 114            | 260039   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117            | 247879   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152            | 127307   | 50.000  | ug/L     | 0.00     |
|                               |         |                |          |         |          |          |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65             | 105919   | 52.310  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 104.620% |          |
| 7) Chloroethane-d5            | 1.909   | 69             | 86003    | 55.088  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 110.180% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63             | 122417   | 39.056  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 78.120%  |          |
| 21) 2-Butanone-d5             | 4.613   | 46             | 100140   | 109.233 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 109.230% |          |
| 24) Chloroform-d              | 5.060   | 84             | 164539   | 49.135  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 98.280%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65             | 107007   | 54.078  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 108.160% |          |
| 32) Benzene-d6                | 5.722   | 84             | 346438   | 51.777  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 103.560% |          |
| 36) 1,2-Dichloropropane-d6    | 6.687   | 67             | 105699   | 51.684  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 103.360% |          |
| 41) Toluene-d8                | 7.896   | 98             | 325806   | 48.992  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 97.980%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79             | 52070    | 49.324  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 98.640%  |          |
| 47) 2-Hexanone-d5             | 8.629   | 63             | 75274    | 107.847 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 107.850% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84             | 145118   | 50.345  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 100.680% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152            | 127389   | 47.938  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 95.880%  |          |
|                               |         |                |          |         |          |          |
| Target Compounds              |         |                |          |         |          | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565   | 101            | 1175     | 0.656   | ug/L #   | 17       |
| 12) 1,1-Dichloroethene        | 2.565   | 96             | 1225     | 0.768   | ug/L #   | 1        |
| 25) Chloroform                | 5.079   | 83             | 2174     | 0.714   | ug/L     | 90       |
| 37) 1,2-Dichloropropane       | 6.687   | 63             | 11606    | 7.077   | ug/L #   | 86       |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75             | 3287     | 1.227   | ug/L     | 89       |
| 65) 1,4-Dichlorobenzene       | 11.835  | 146            | 5088     | 1.269   | ug/L     | 93       |
| 69) 1,3,5-Trichlorobenzene    | 13.844  | 180            | 6639     | 2.280   | ug/L     | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.844  | 180            | 6639     | 2.459   | ug/L     | 98       |
| -----                         |         |                |          |         |          |          |

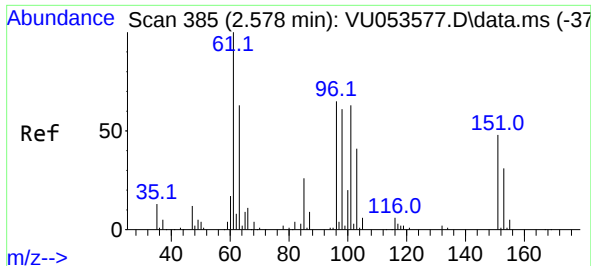
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040523\  
Data File : VU053582.D  
Acq On : 05 Apr 2023 15:02  
Operator : JC/MD  
Sample : 02158-28  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK001

Quant Time: Apr 06 03:37:20 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 01 04:51:17 2023  
Response via : Initial Calibration

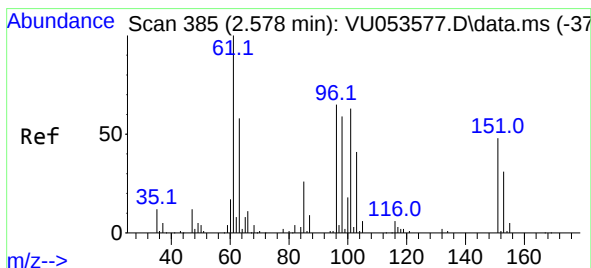
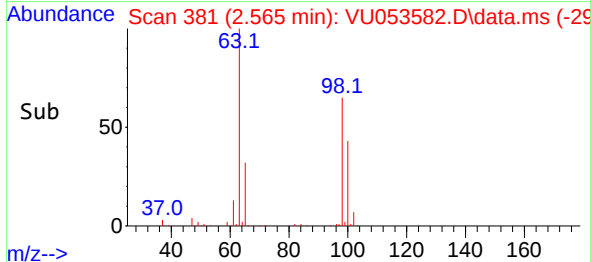
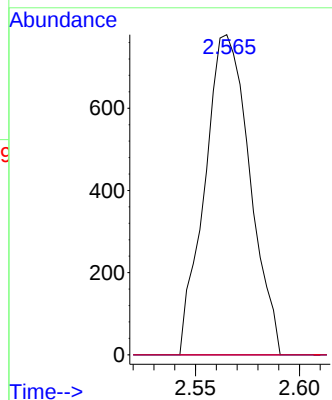
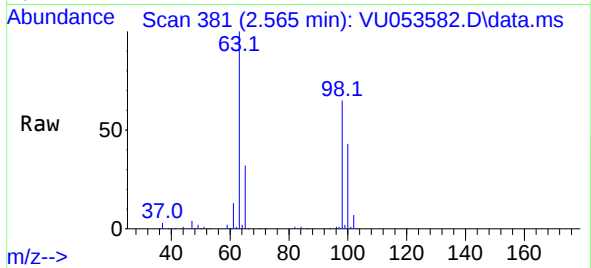




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.656 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.013 min  
Lab File: VU053582.D  
Acq: 05 Apr 2023 15:02

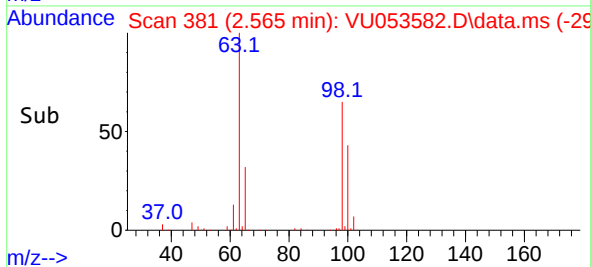
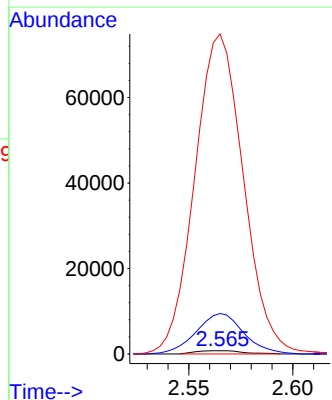
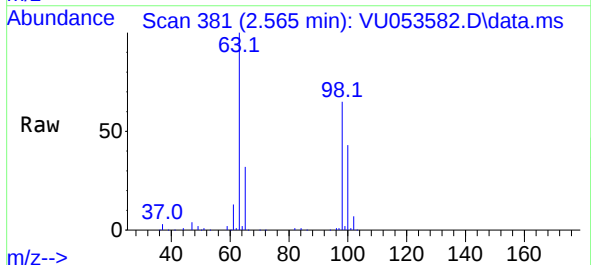
Instrument :  
MSVOA\_U  
ClientSampleId :  
VHBLK001

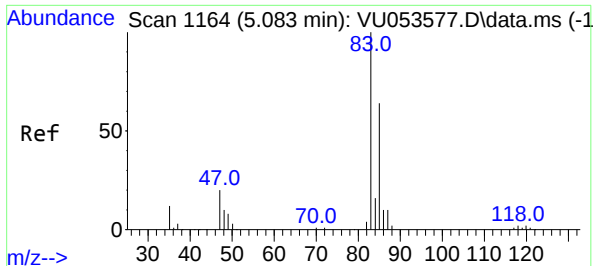
Tgt Ion:101 Resp: 1175  
Ion Ratio Lower Upper  
101 100  
85 0.0 32.6 48.8#  
151 0.0 65.8 98.6#



#12  
1,1-Dichloroethene  
Concen: 0.768 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.013 min  
Lab File: VU053582.D  
Acq: 05 Apr 2023 15:02

Tgt Ion: 96 Resp: 1225  
Ion Ratio Lower Upper  
96 100  
61 1230.9 107.9 200.5#  
63 9737.3 79.1 146.9#





#25

Chloroform

Concen: 0.714 ug/L

RT: 5.079 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Instrument :

MSVOA\_U

ClientSampleId :

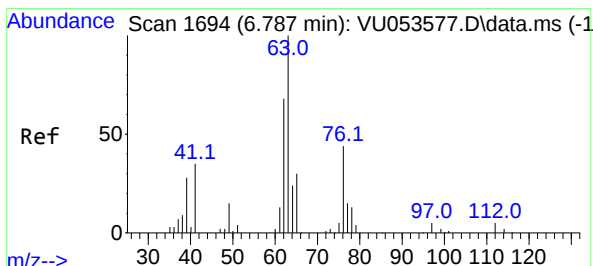
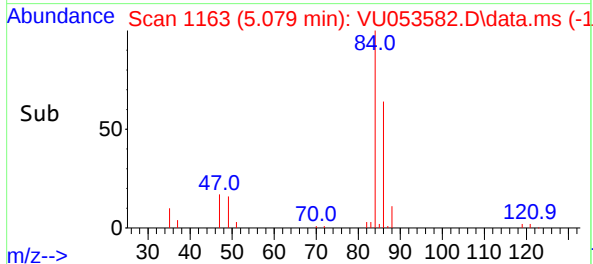
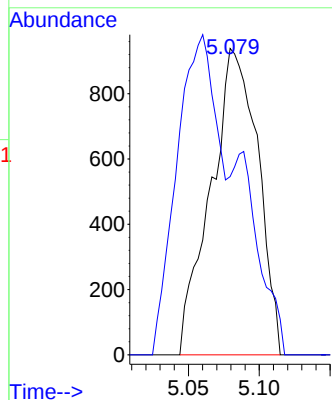
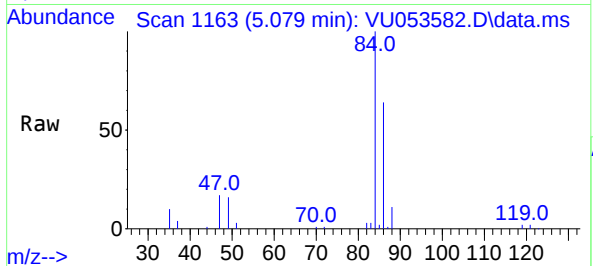
VHBLK001

Tgt Ion: 83 Resp: 2174

Ion Ratio Lower Upper

83 100

85 58.1 46.1 85.5



#37

1,2-Dichloropropane

Concen: 7.077 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.097 min

Lab File: VU053582.D

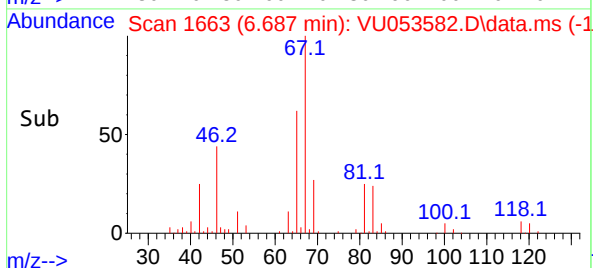
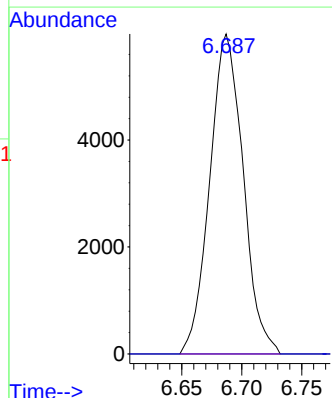
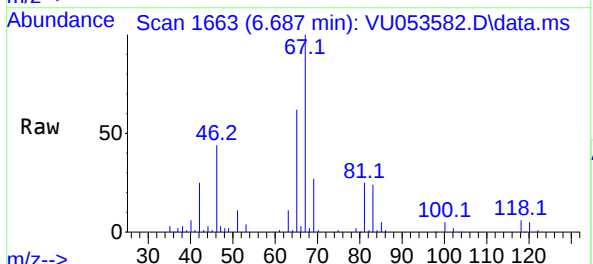
Acq: 05 Apr 2023 15:02

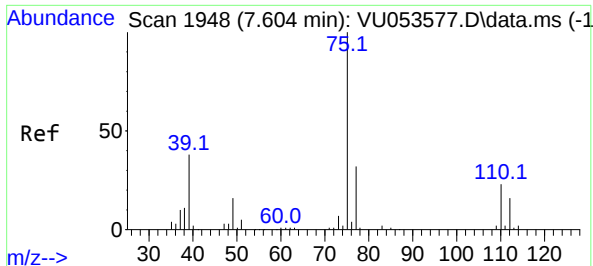
Tgt Ion: 63 Resp: 11606

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.227 ug/L

RT: 7.565 min Scan# 1948

Delta R.T. -0.035 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Instrument :

MSVOA\_U

ClientSampleId :

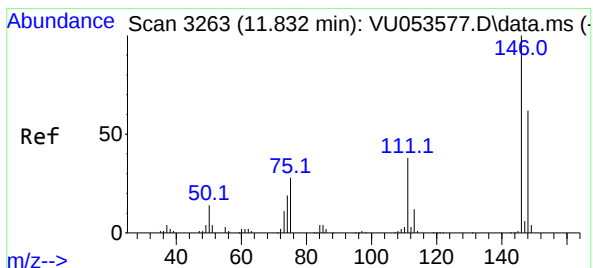
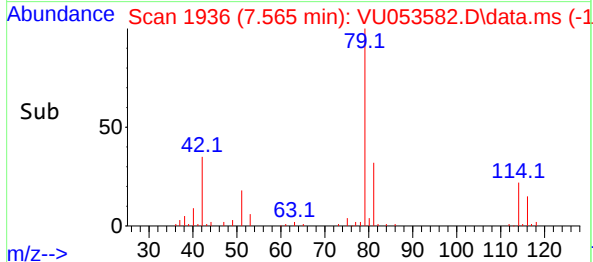
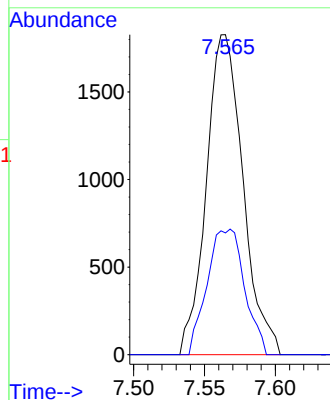
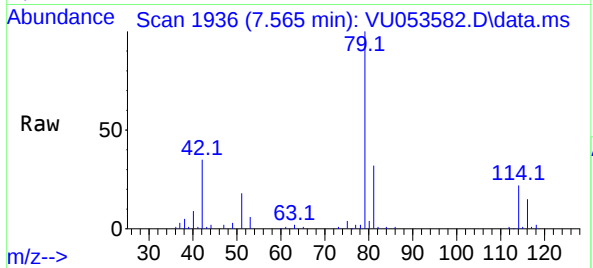
VHBLK001

Tgt Ion: 75 Resp: 3287

Ion Ratio Lower Upper

75 100

77 38.0 22.5 41.7



#65

1,4-Dichlorobenzene

Concen: 1.269 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.003 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

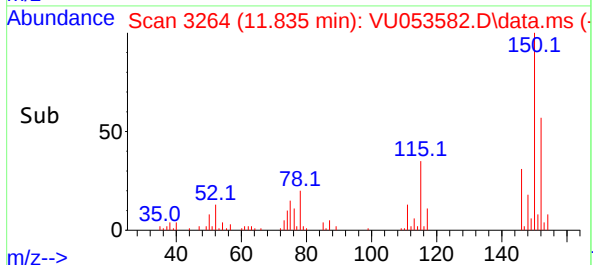
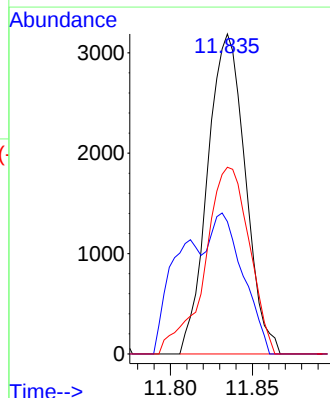
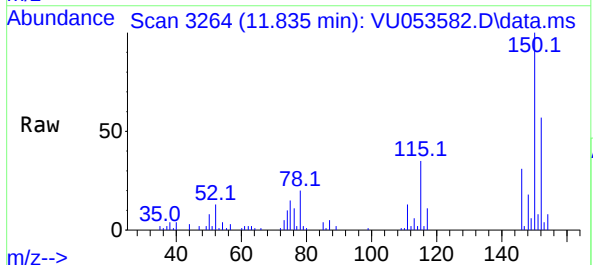
Tgt Ion: 146 Resp: 5088

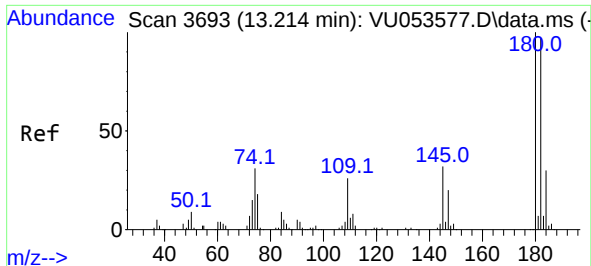
Ion Ratio Lower Upper

146 100

111 41.3 25.1 46.5

148 58.3 44.3 82.3





#69

1,3,5-Trichlorobenzene

Concen: 2.280 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.630 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Instrument :

MSVOA\_U

ClientSampleId :

VHBLK001

Tgt Ion:180 Resp: 6639

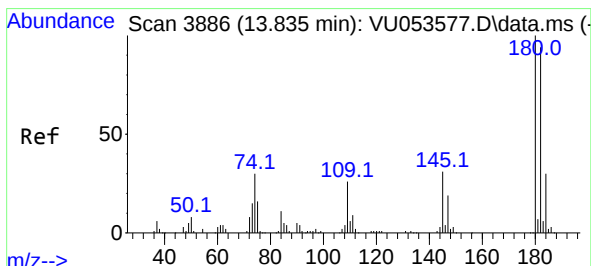
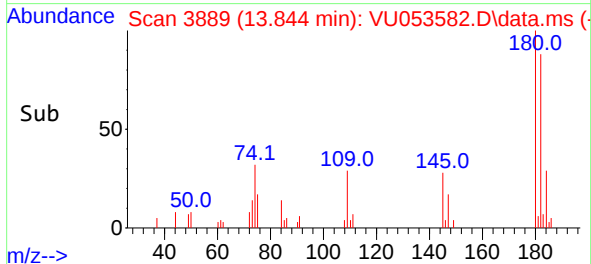
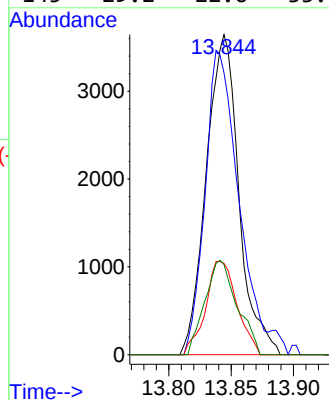
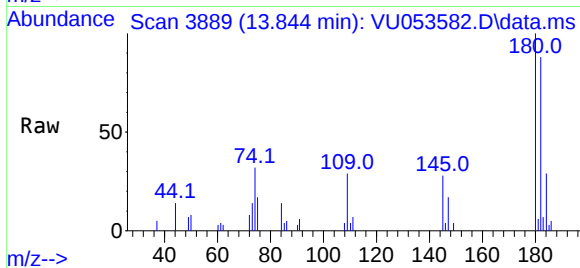
Ion Ratio Lower Upper

180 100

182 96.7 75.6 113.4

184 28.2 24.2 36.2

145 29.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 2.459 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.010 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Tgt Ion:180 Resp: 6639

Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.8

145 29.2 23.4 35.2

