

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042423\  
 Data File : VW030803.D  
 Acq On : 24 Apr 2023 19:21  
 Operator : SY/MD  
 Sample : 02398-05  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COMN4

Quant Time: Apr 25 03:24:03 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 22 00:43:23 2023  
 Response via : Initial Calibration

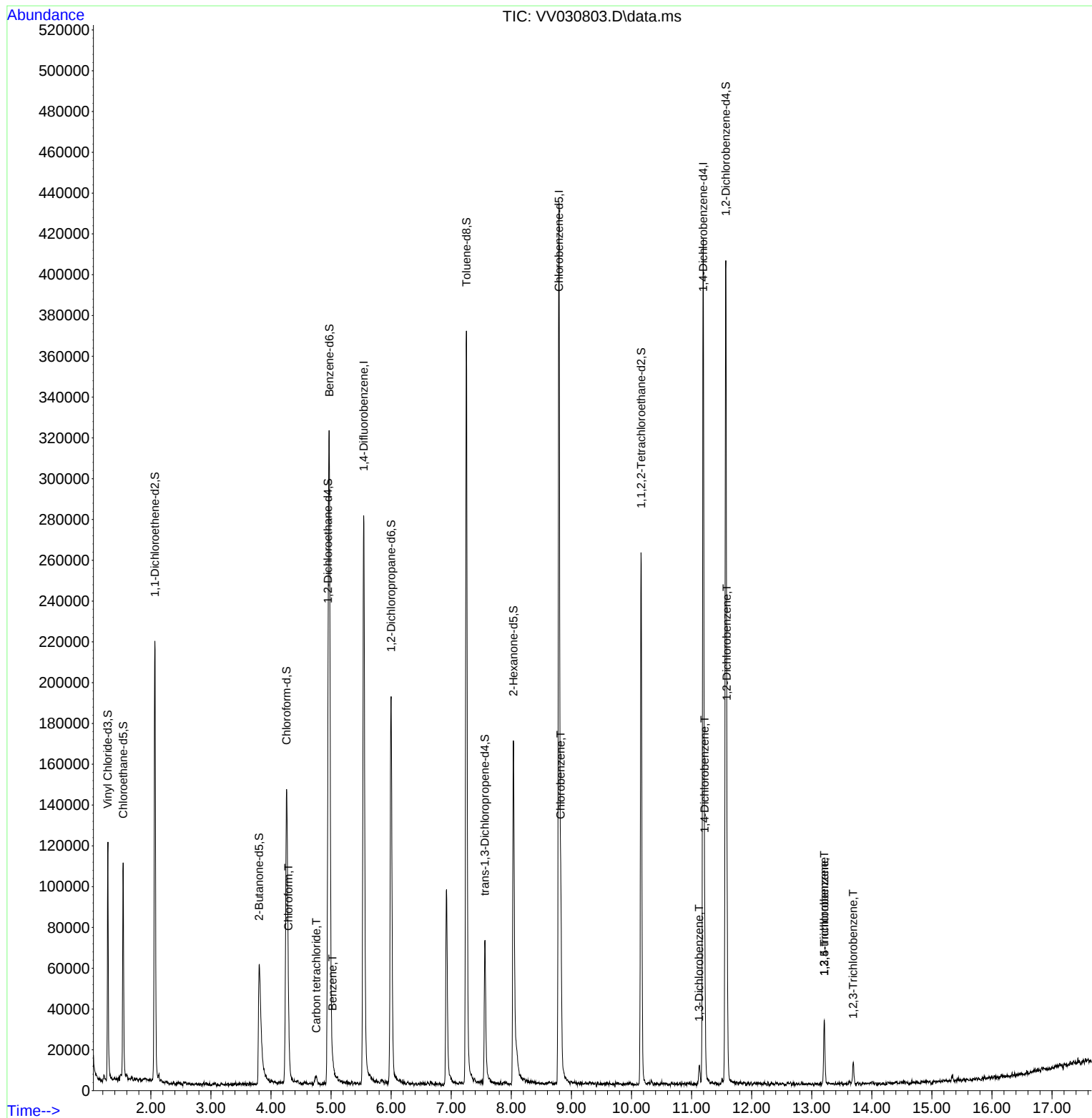
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 233891     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792          | 117  | 228348     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194         | 152  | 107021     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281          | 65   | 73911      | 43.107   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 86.220%  |        |          |
| 7) Chloroethane-d5            | 1.539          | 69   | 64980      | 45.225   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 90.440%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.066          | 65   | 36109      | 44.408   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 88.820%  |        |          |
| 21) 2-Butanone-d5             | 3.802          | 46   | 97190      | 103.200  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 103.200% |        |          |
| 24) Chloroform-d              | 4.259          | 84   | 147695     | 47.532   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.060%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 101936     | 51.026   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 102.060% |        |          |
| 32) Benzene-d6                | 4.969          | 84   | 266574     | 49.377   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.760%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.998          | 67   | 81554      | 48.631   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 97.260%  |        |          |
| 41) Toluene-d8                | 7.252          | 98   | 244001     | 48.136   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.280%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 39412      | 46.628   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 93.260%  |        |          |
| 47) 2-Hexanone-d5             | 8.033          | 63   | 57541      | 87.099   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 87.100%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 113108     | 46.481   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 92.960%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.570         | 152  | 99644      | 58.578   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 117.160% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 25) Chloroform                | 4.288          | 83   | 11669      | 3.345    | ug/L   | 94       |
| 31) Carbon tetrachloride      | 4.754          | 117  | 2820       | 0.983    | ug/L   | 95       |
| 33) Benzene                   | 5.024          | 78   | 4377       | 0.631    | ug/L   | 100      |
| 51) Chlorobenzene             | 8.821          | 112  | 44703      | 9.088    | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.127         | 146  | 3426       | 1.025    | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.217         | 146  | 21937      | 6.226    | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.586         | 146  | 27790      | 8.244    | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.210         | 180  | 8651       | 3.427    | ug/L   | 89       |
| 70) 1,2,4-trichlorobenzene    | 13.210         | 180  | 8651       | 4.036    | ug/L   | 88       |
| 72) 1,2,3-Trichlorobenzene    | 13.689         | 180  | 2881       | 1.356    | ug/L # | 93       |
| -----                         |                |      |            |          |        |          |

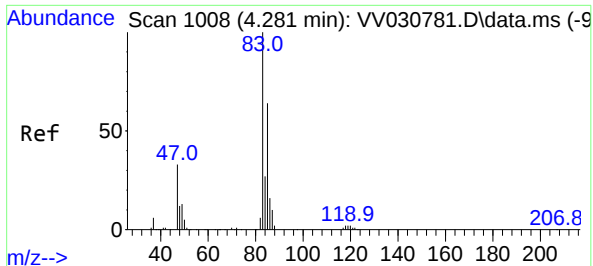
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042423\  
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Sample : 02398-05  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN4

Quant Time: Apr 25 03:24:03 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 22 00:43:23 2023  
Response via : Initial Calibration

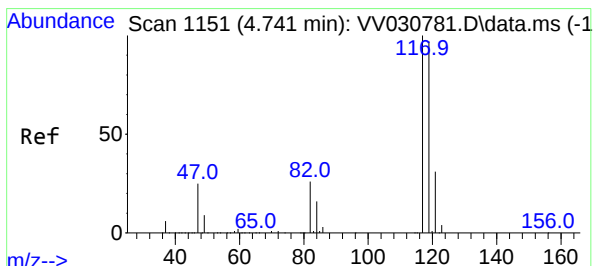
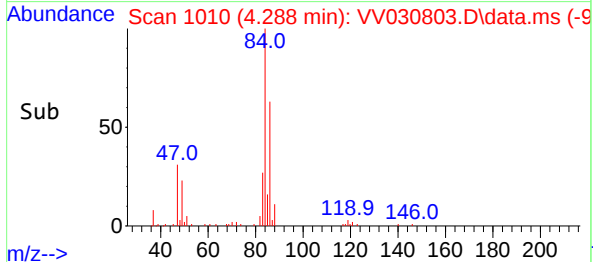
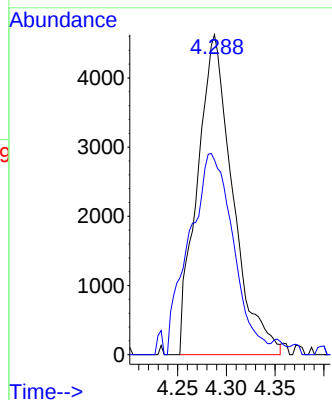
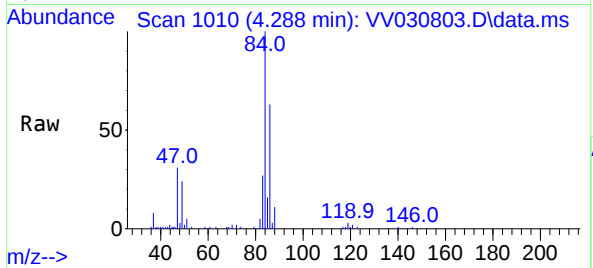




#25  
Chloroform  
Concen: 3.345 ug/L  
RT: 4.288 min Scan# 1100  
Delta R.T. 0.003 min  
Lab File: VV030803.D  
Acq: 24 Apr 2023 19:21

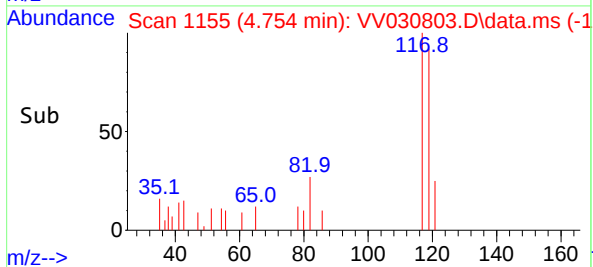
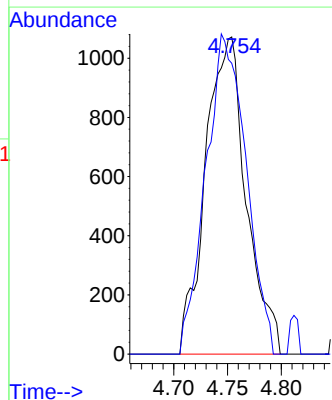
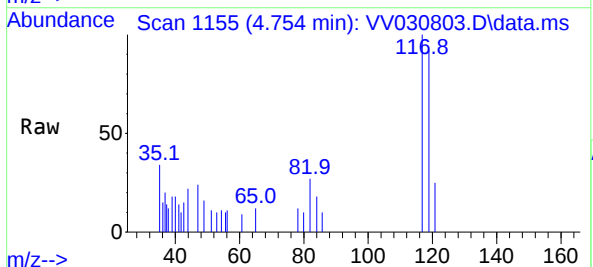
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN4

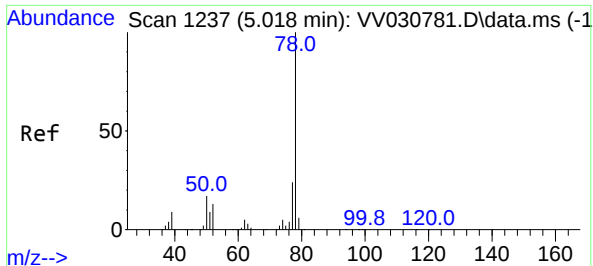
Tgt Ion: 83 Resp: 11669  
Ion Ratio Lower Upper  
83 100  
85 60.9 45.8 85.2



#31  
Carbon tetrachloride  
Concen: 0.983 ug/L  
RT: 4.754 min Scan# 1155  
Delta R.T. 0.009 min  
Lab File: VV030803.D  
Acq: 24 Apr 2023 19:21

Tgt Ion: 117 Resp: 2820  
Ion Ratio Lower Upper  
117 100  
119 100.0 75.9 113.9

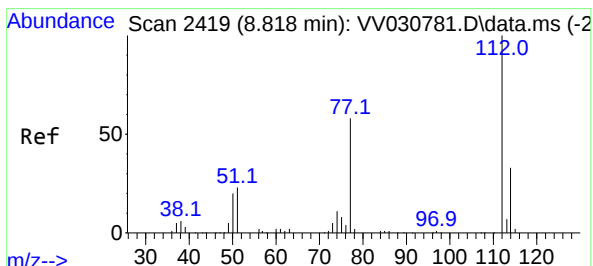
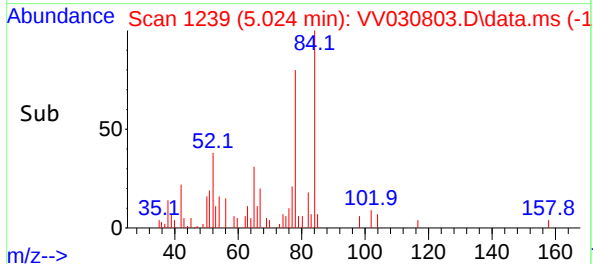
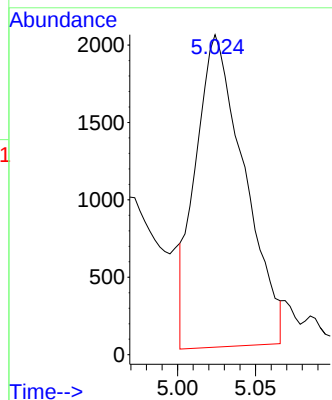
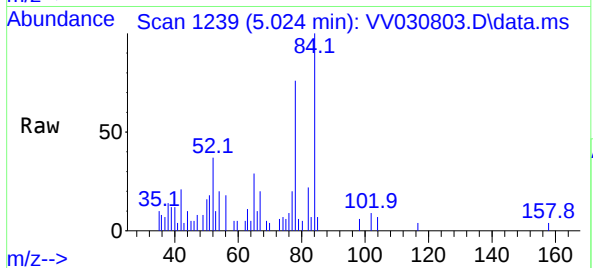




#33  
Benzene  
Concen: 0.631 ug/L  
RT: 5.024 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VV030803.D  
Acq: 24 Apr 2023 19:21

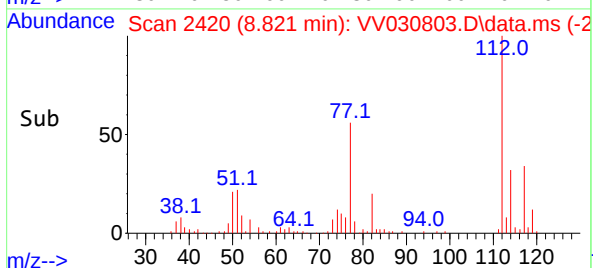
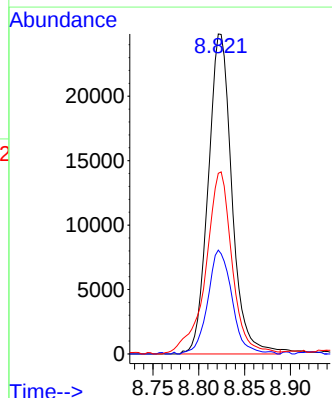
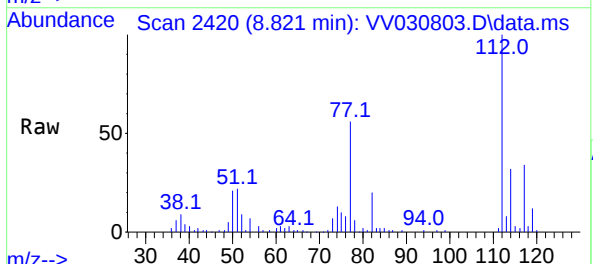
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN4

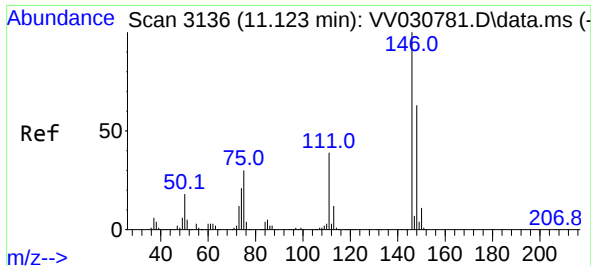
Tgt Ion: 78 Resp: 4377



#51  
Chlorobenzene  
Concen: 9.088 ug/L  
RT: 8.821 min Scan# 2420  
Delta R.T. -0.000 min  
Lab File: VV030803.D  
Acq: 24 Apr 2023 19:21

Tgt Ion: 112 Resp: 44703  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.4 41.6  
77 56.4 47.4 71.0

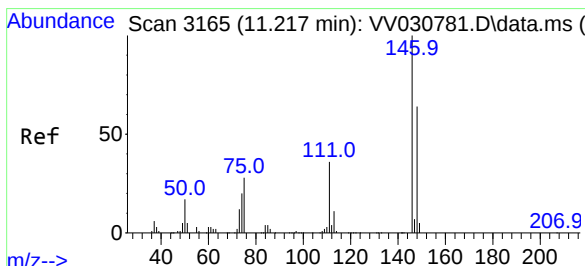
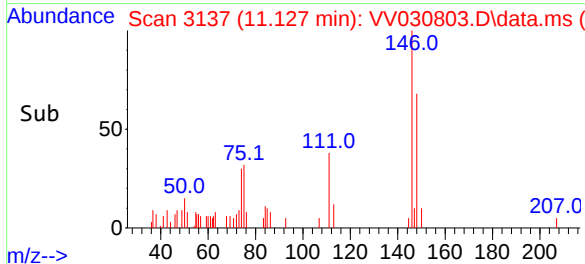
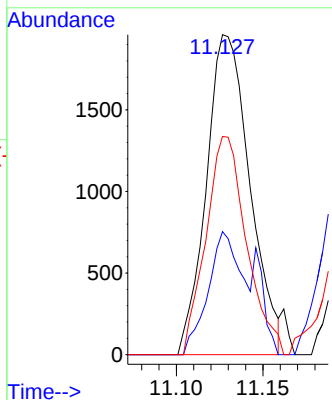
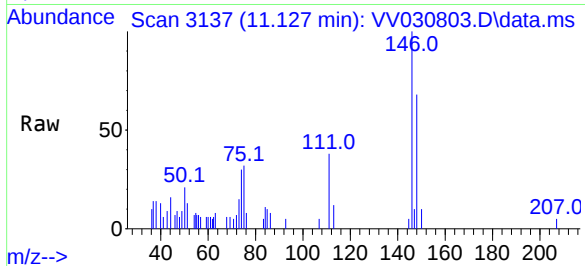




#64  
1,3-Dichlorobenzene  
Concen: 1.025 ug/L  
RT: 11.127 min Scan# 3136  
Delta R.T. 0.003 min  
Lab File: VV030803.D  
Acq: 24 Apr 2023 19:21

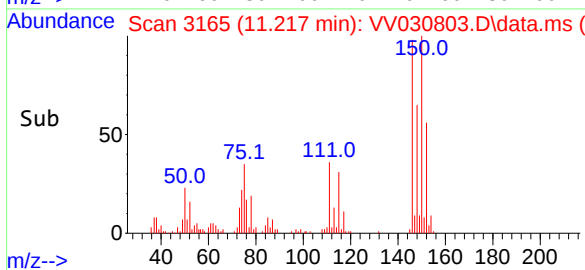
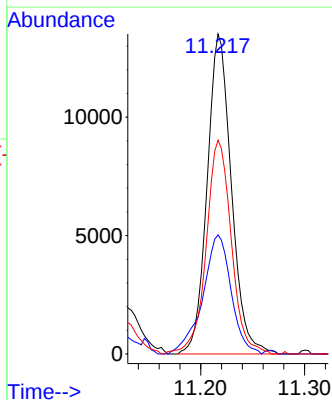
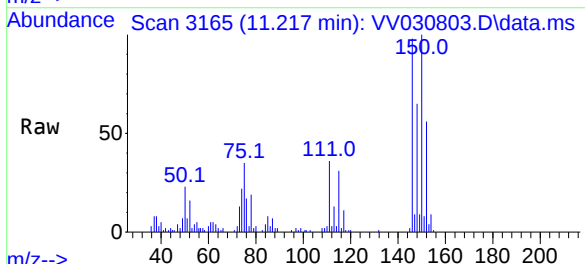
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN4

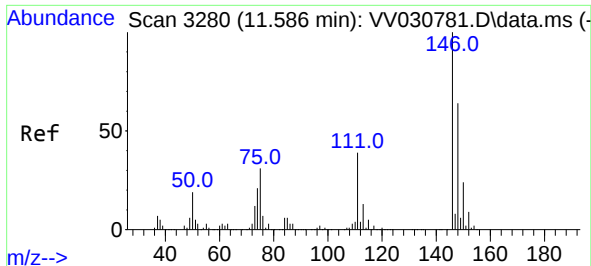
Tgt Ion:146 Resp: 3426  
Ion Ratio Lower Upper  
146 100  
111 38.4 27.0 50.2  
148 68.2 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 6.226 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. -0.000 min  
Lab File: VV030803.D  
Acq: 24 Apr 2023 19:21

Tgt Ion:146 Resp: 21937  
Ion Ratio Lower Upper  
146 100  
111 37.2 26.5 49.1  
148 66.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 8.244 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :

COMN4

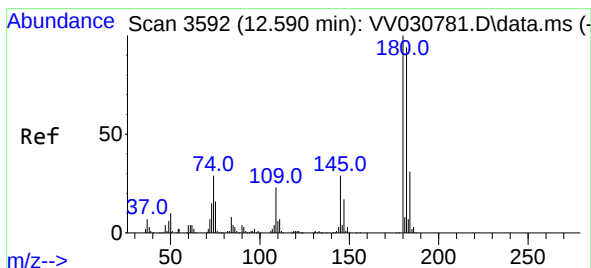
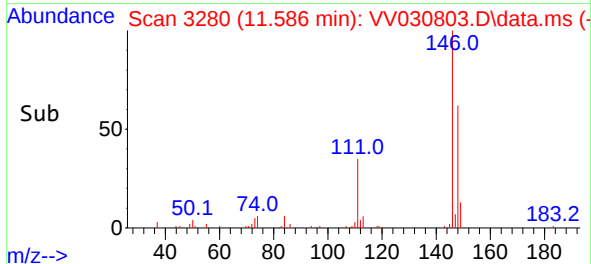
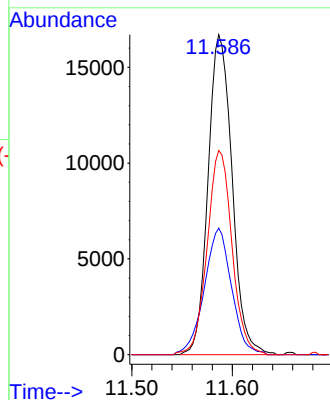
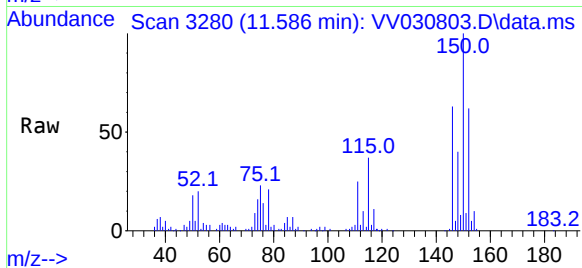
Tgt Ion:146 Resp: 27790

Ion Ratio Lower Upper

146 100

111 39.5 32.0 48.0

148 63.8 50.6 76.0



#69

1,3,5-Trichlorobenzene

Concen: 3.427 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.620 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

Tgt Ion:180 Resp: 8651

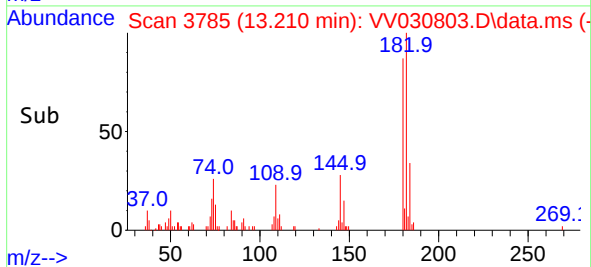
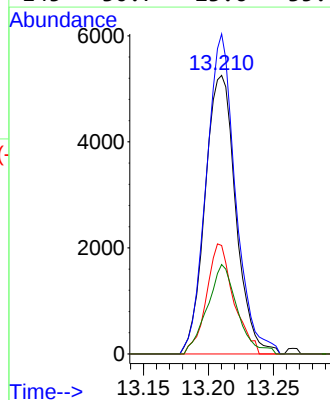
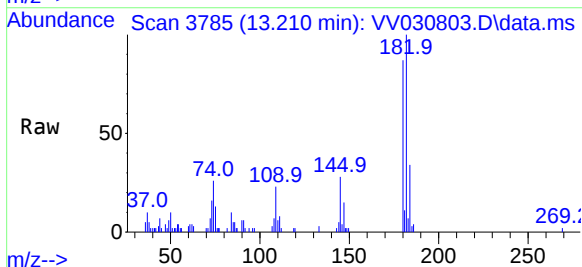
Ion Ratio Lower Upper

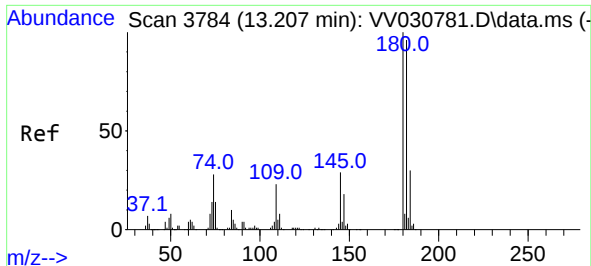
180 100

182 109.0 76.4 114.6

184 35.0 24.1 36.1

145 30.7 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 4.036 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

Instrument :

MSVOA\_V

ClientSampleId :

COMN4

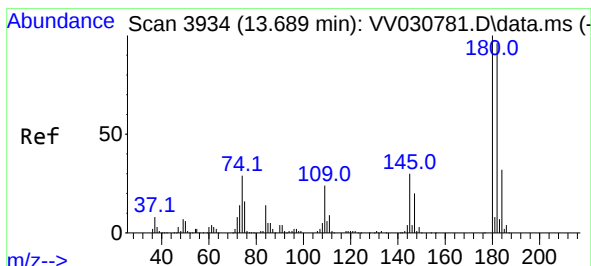
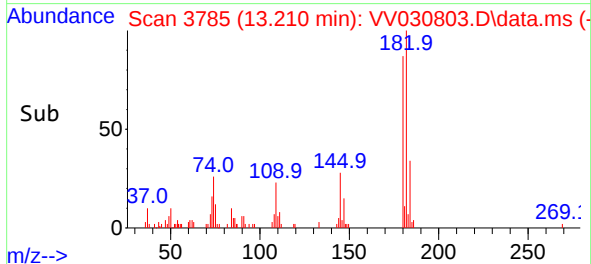
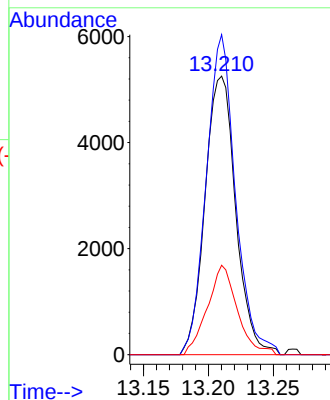
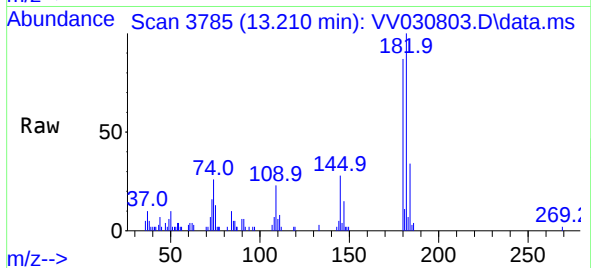
Tgt Ion:180 Resp: 8651

Ion Ratio Lower Upper

180 100

182 109.0 75.9 113.9

145 30.7 23.4 35.2



#72

1,2,3-Trichlorobenzene

Concen: 1.356 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

Tgt Ion:180 Resp: 2881

Ion Ratio Lower Upper

180 100

182 101.0 76.2 114.4

145 37.9 25.1 37.7#

