

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042423\  
 Data File : VW030802.D  
 Acq On : 24 Apr 2023 18:58  
 Operator : SY/MD  
 Sample : 02440-15 10X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COMR0

Quant Time: Apr 25 03:23:55 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

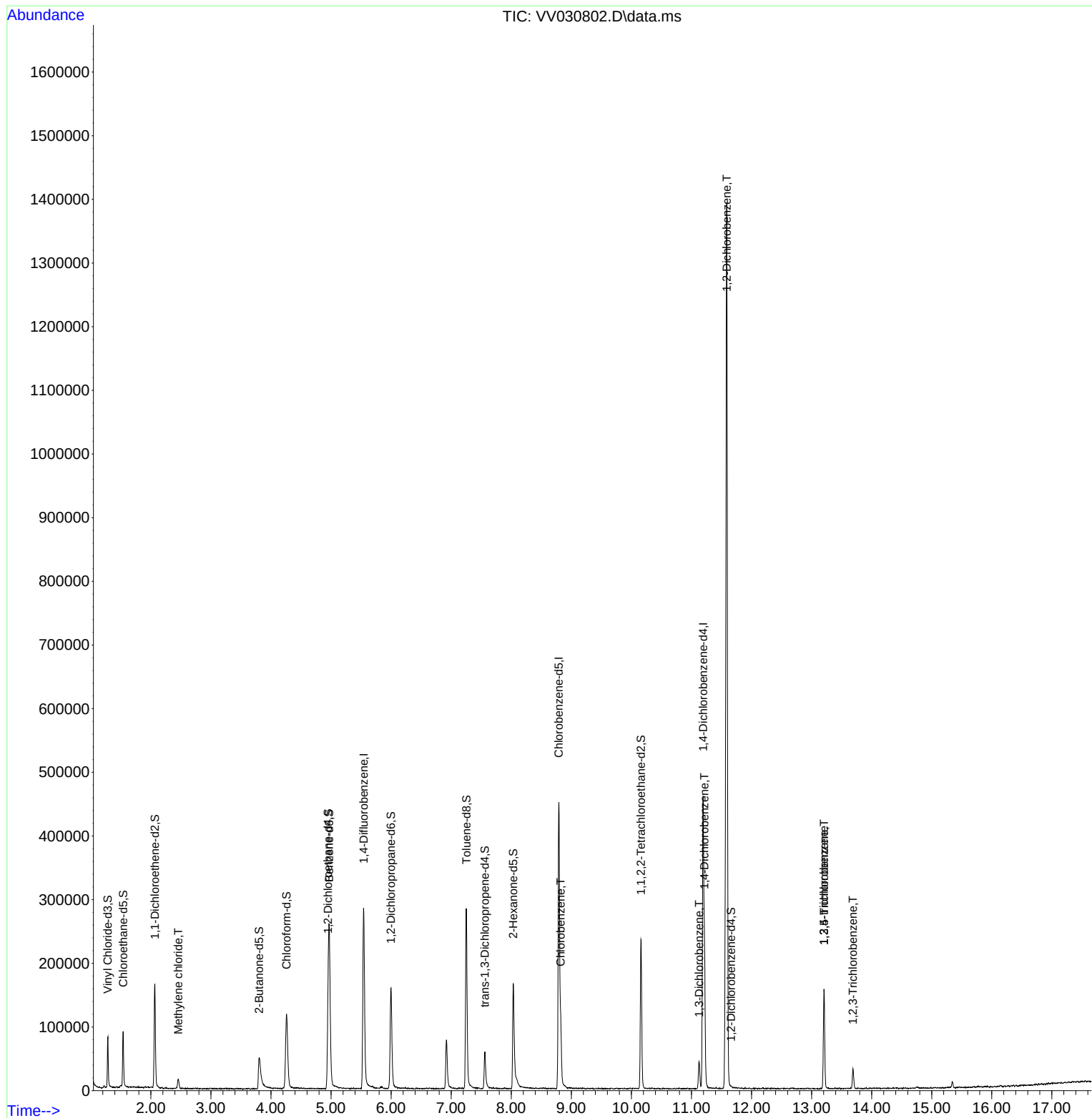
| Compound                      | R.T.    | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|-------|----------|
| -----                         |         |       |          |          |       |          |
| Internal Standards            |         |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 236851   | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.792   | 117   | 236271   | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194  | 152   | 118998   | 50.000   | ug/L  | 0.00     |
|                               |         |       |          |          |       |          |
| System Monitoring Compounds   |         |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 51217    | 29.498   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =     | 59.000%# |
| 7) Chloroethane-d5            | 1.539   | 69    | 50668    | 34.823   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =     | 69.640%# |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 27969    | 33.967   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 67.940%  |
| 21) 2-Butanone-d5             | 3.802   | 46    | 85858    | 90.028   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =     | 90.030%  |
| 24) Chloroform-d              | 4.259   | 84    | 122140   | 38.817   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 77.640%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 86820    | 42.916   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 85.840%  |
| 32) Benzene-d6                | 4.969   | 84    | 212923   | 38.116   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =     | 76.240%  |
| 36) 1,2-Dichloropropane-d6    | 5.998   | 67    | 67912    | 39.138   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =     | 78.280%  |
| 41) Toluene-d8                | 7.252   | 98    | 185198   | 35.311   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 70.620%# |
| 43) trans-1,3-Dichloroprop... | 7.561   | 79    | 32807    | 37.512   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =     | 75.020%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 54939    | 80.372   | ug/L  | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =     | 80.370%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 103192   | 40.984   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =     | 81.960%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.660  | 152   | 94       | 0.050    | ug/L  | 0.09     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =     | 0.100%#  |
|                               |         |       |          |          |       |          |
| Target Compounds              |         |       |          |          |       | Qvalue   |
| 16) Methylene chloride        | 2.458   | 84    | 6619     | 3.488    | ug/L  | 96       |
| 51) Chlorobenzene             | 8.821   | 112   | 52349    | 10.285   | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.127  | 146   | 17641    | 4.748    | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.217  | 146   | 80688    | 20.594   | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.586  | 146   | 495015   | 132.061  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.207  | 180   | 46502    | 16.568   | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.207  | 180   | 46502    | 19.513   | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.689  | 180   | 8953     | 3.789    | ug/L  | 96       |
| -----                         |         |       |          |          |       |          |

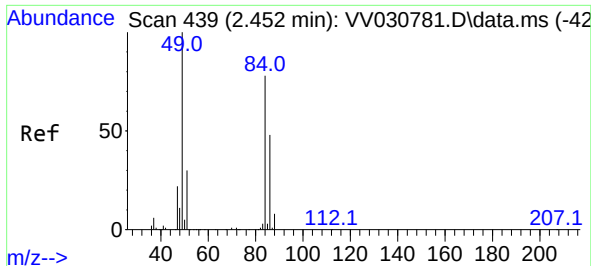
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Apr 22 00:43:23 2023  
Response via : Initial Calibration

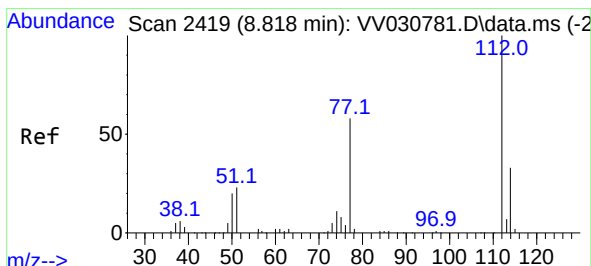
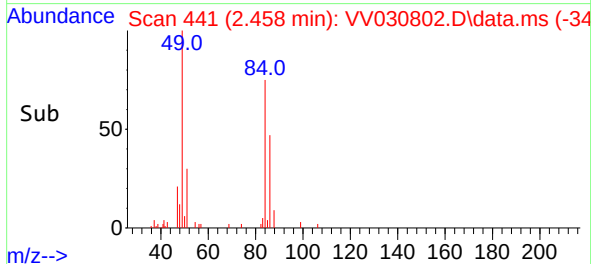
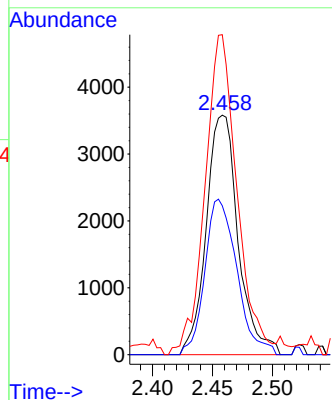
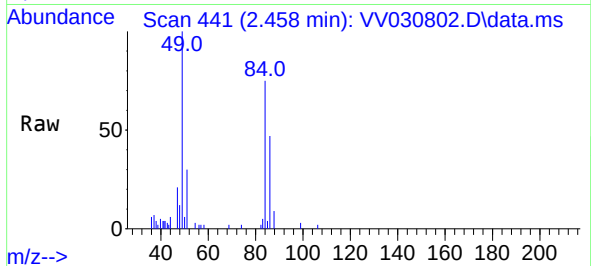




#16  
Methylene chloride  
Concen: 3.488 ug/L  
RT: 2.458 min Scan# 441  
Delta R.T. 0.003 min  
Lab File: VV030802.D  
Acq: 24 Apr 2023 18:58

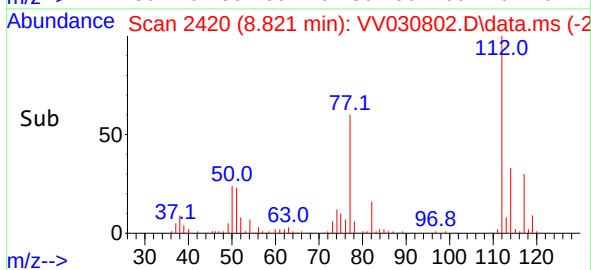
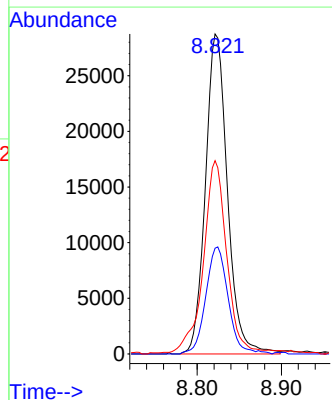
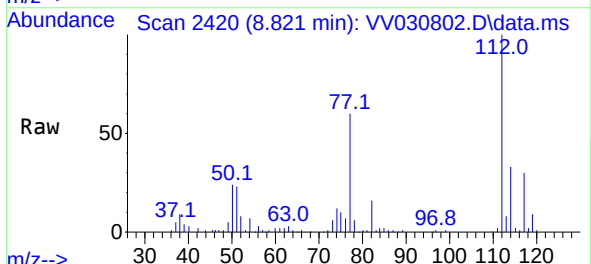
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMR0

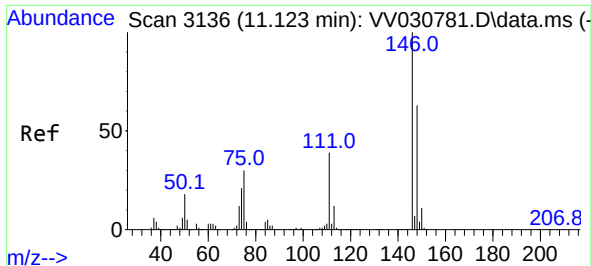
Tgt Ion: 84 Resp: 6619  
Ion Ratio Lower Upper  
84 100  
86 62.2 45.4 84.2  
49 133.6 90.4 168.0



#51  
Chlorobenzene  
Concen: 10.285 ug/L  
RT: 8.821 min Scan# 2420  
Delta R.T. -0.000 min  
Lab File: VV030802.D  
Acq: 24 Apr 2023 18:58

Tgt Ion: 112 Resp: 52349  
Ion Ratio Lower Upper  
112 100  
114 33.0 22.4 41.6  
77 60.4 47.4 71.0

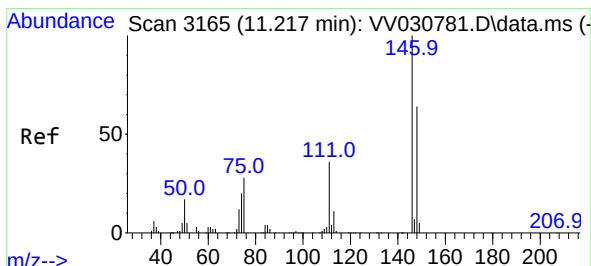
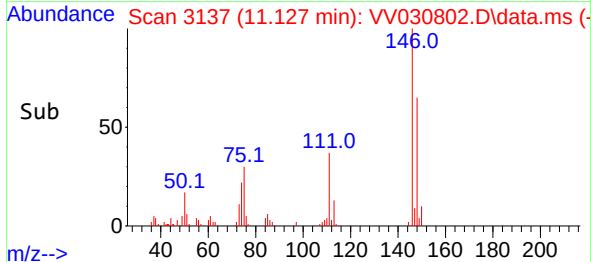
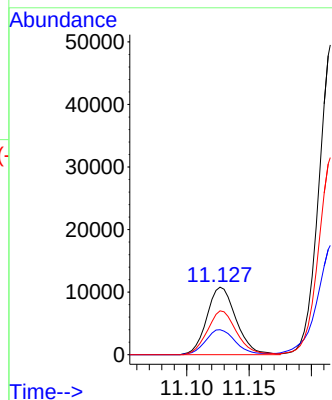
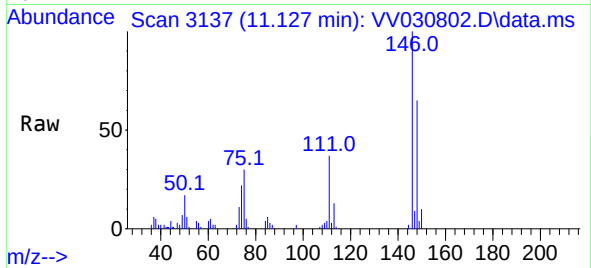




#64  
1,3-Dichlorobenzene  
Concen: 4.748 ug/L  
RT: 11.127 min Scan# 3136  
Delta R.T. 0.003 min  
Lab File: VV030802.D  
Acq: 24 Apr 2023 18:58

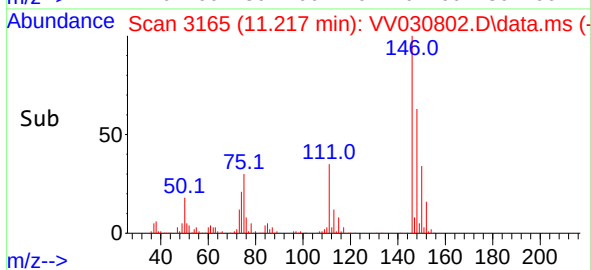
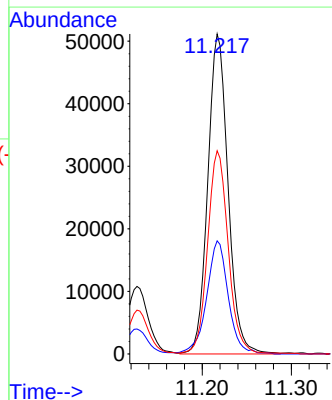
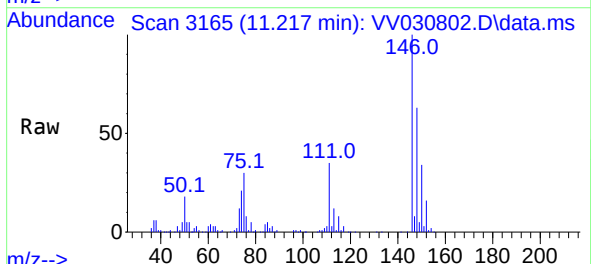
Instrument :  
MSVOA\_V  
ClientSampleId :  
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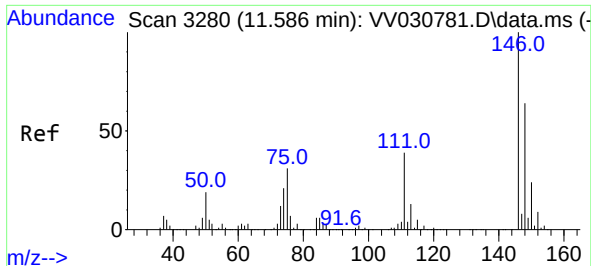
Tgt Ion:146 Resp: 17641  
Ion Ratio Lower Upper  
146 100  
111 37.0 27.0 50.2  
148 65.0 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 20.594 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. -0.000 min  
Lab File: VV030802.D  
Acq: 24 Apr 2023 18:58

Tgt Ion:146 Resp: 80688  
Ion Ratio Lower Upper  
146 100  
111 35.4 26.5 49.1  
148 63.5 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 132.061 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030802.D

Acq: 24 Apr 2023 18:58

Instrument :

MSVOA\_V

ClientSampleId :

COMR0

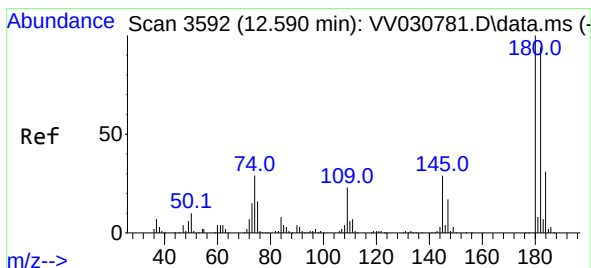
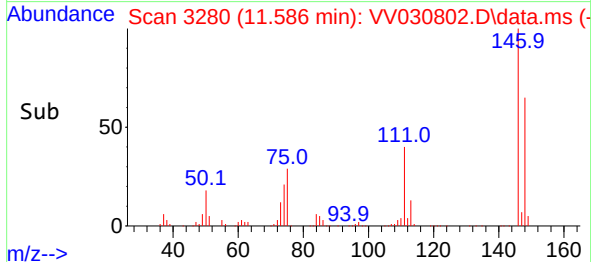
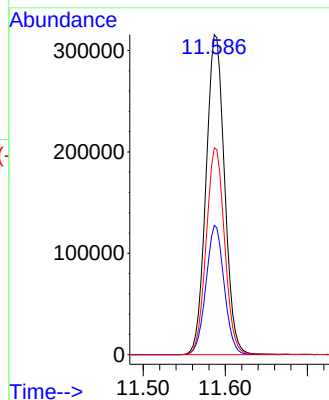
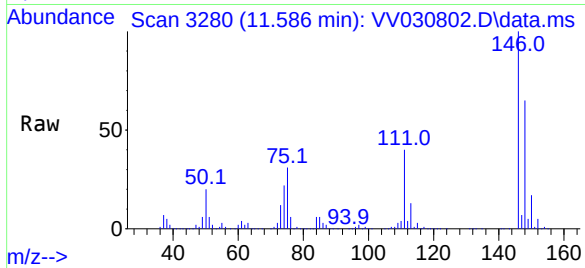
Tgt Ion:146 Resp: 495015

Ion Ratio Lower Upper

146 100

111 40.4 32.0 48.0

148 64.6 50.6 76.0



#69

1,3,5-Trichlorobenzene

Concen: 16.568 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.617 min

Lab File: VV030802.D

Acq: 24 Apr 2023 18:58

Tgt Ion:180 Resp: 46502

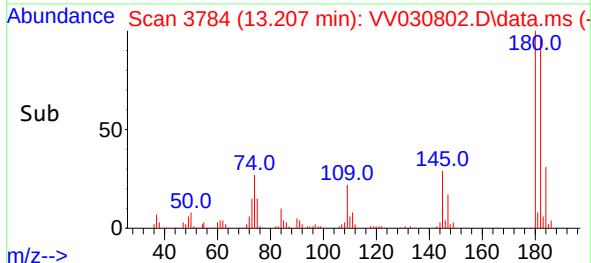
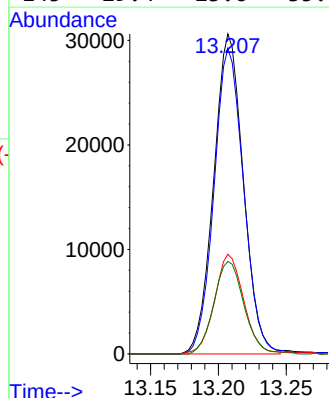
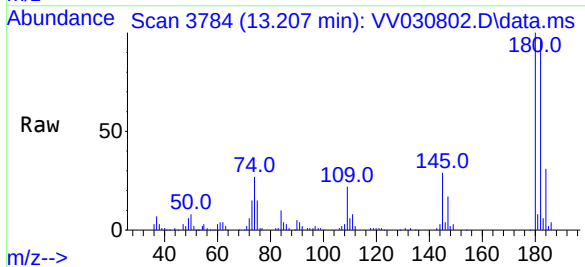
Ion Ratio Lower Upper

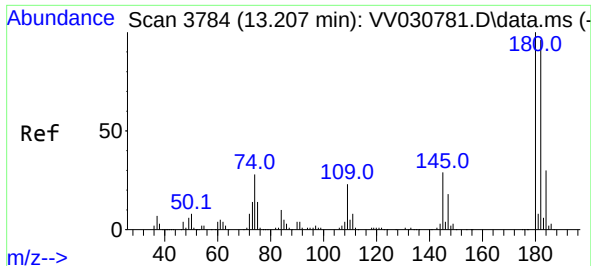
180 100

182 95.4 76.4 114.6

184 30.8 24.1 36.1

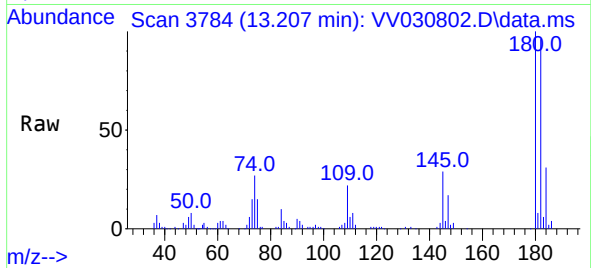
145 29.4 23.6 35.4



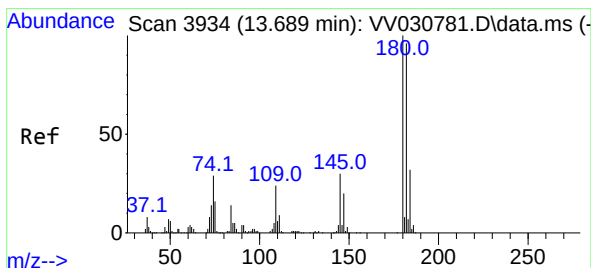
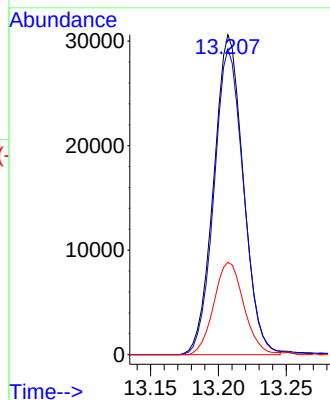
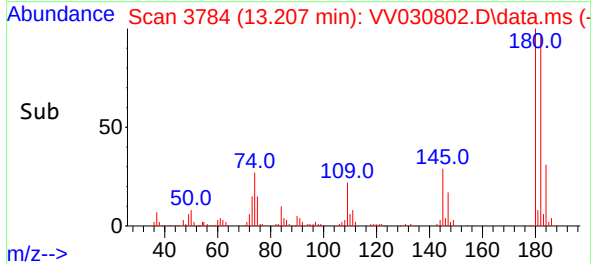


#70  
1,2,4-trichlorobenzene  
Concen: 19.513 ug/L  
RT: 13.207 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VV030802.D  
Acq: 24 Apr 2023 18:58

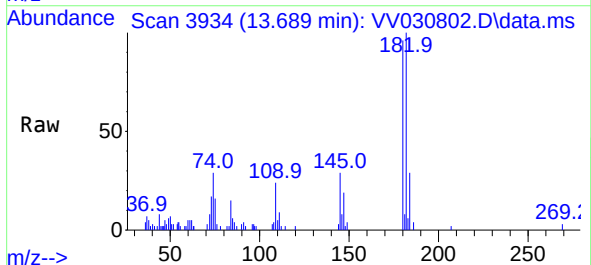
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMRO



Tgt Ion:180 Resp: 46502  
Ion Ratio Lower Upper  
180 100  
182 95.4 75.9 113.9  
145 29.4 23.4 35.2



#72  
1,2,3-Trichlorobenzene  
Concen: 3.789 ug/L  
RT: 13.689 min Scan# 3934  
Delta R.T. -0.000 min  
Lab File: VV030802.D  
Acq: 24 Apr 2023 18:58



Tgt Ion:180 Resp: 8953  
Ion Ratio Lower Upper  
180 100  
182 98.4 76.2 114.4  
145 28.4 25.1 37.7

