

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW041823\  
 Data File : VW030648.D  
 Acq On : 19 Apr 2023 03:51  
 Operator : SY/MD  
 Sample : 02398-02  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COMN1

Quant Time: Apr 19 04:31:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 18 02:45:56 2023  
 Response via : Initial Calibration

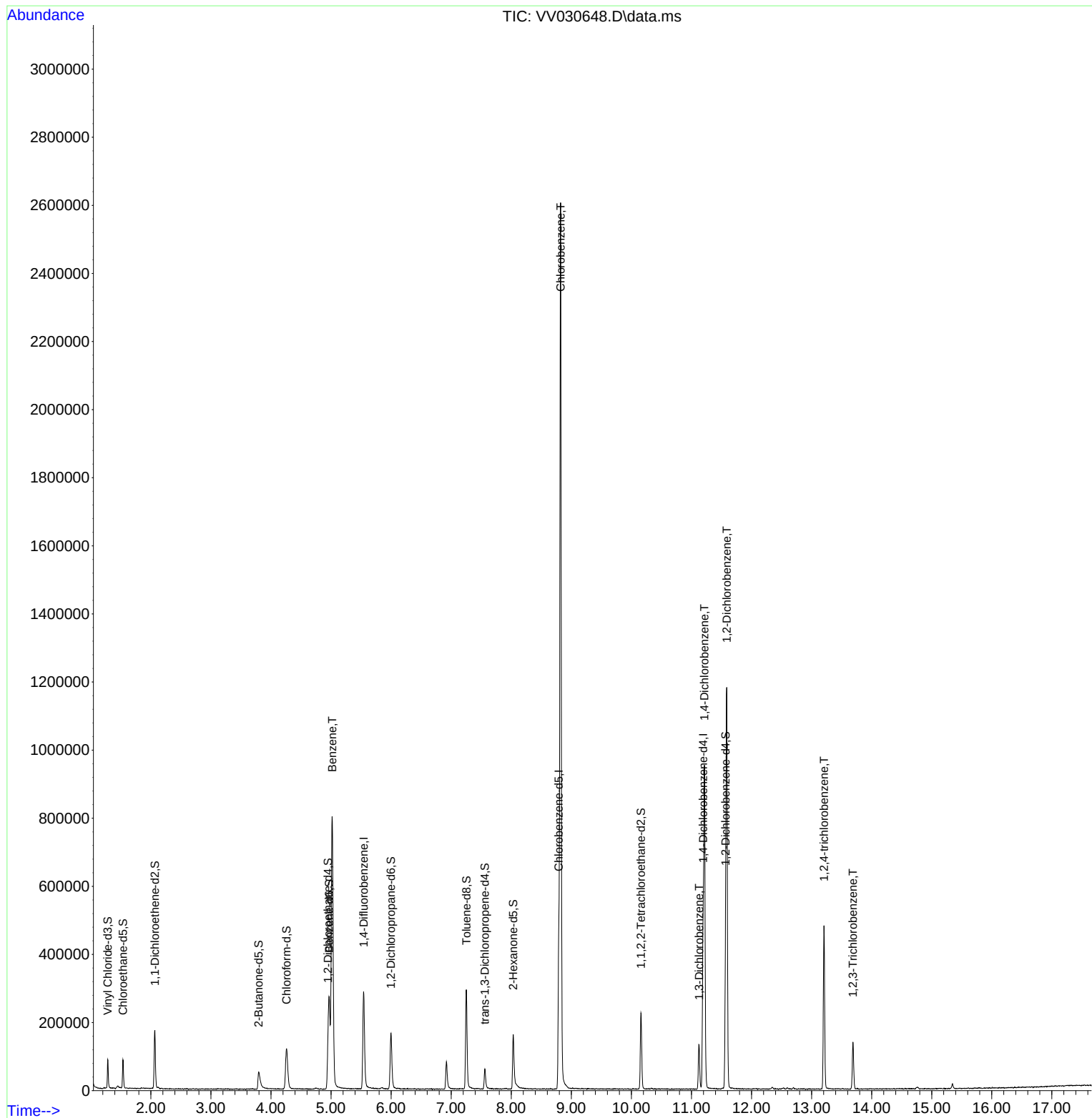
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542   | 114   | 240430   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.793   | 117   | 231654   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194  | 152   | 116911   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282   | 65    | 57295    | 32.507   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 65.020%  |
| 7) Chloroethane-d5            | 1.536   | 69    | 50384    | 34.112   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 68.220%# |
| 11) 1,1-Dichloroethene-d2     | 2.066   | 65    | 29209    | 34.945   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 69.900%  |
| 21) 2-Butanone-d5             | 3.796   | 46    | 82706    | 85.432   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 85.430%  |
| 24) Chloroform-d              | 4.259   | 84    | 123552   | 38.681   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 77.360%  |
| 26) 1,2-Dichloroethane-d4     | 4.950   | 65    | 86399    | 42.073   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.140%  |
| 32) Benzene-d6                | 4.970   | 84    | 220212   | 40.207   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 80.420%  |
| 36) 1,2-Dichloropropane-d6    | 5.998   | 67    | 73047    | 42.936   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 85.880%  |
| 41) Toluene-d8                | 7.252   | 98    | 188770   | 36.709   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 73.420%# |
| 43) trans-1,3-Dichloroprop... | 7.561   | 79    | 32923    | 38.395   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.800%  |
| 47) 2-Hexanone-d5             | 8.034   | 63    | 52542    | 78.397   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 78.400%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159  | 84    | 101590   | 41.152   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 82.300%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.567  | 152   | 88354    | 47.547   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.100%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 5.018   | 78    | 774638   | 110.118  | ug/L   | 100      |
| 51) Chlorobenzene             | 8.821   | 112   | 1251019  | 250.697  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.127  | 146   | 52827    | 14.472   | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.217  | 146   | 348254   | 90.472   | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.587  | 146   | 408088   | 110.814  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.207  | 180   | 140521   | 60.018   | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.689  | 180   | 39845    | 17.162   | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

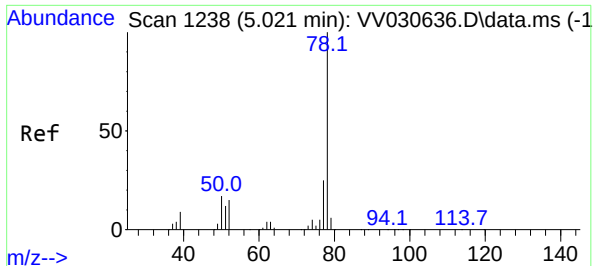
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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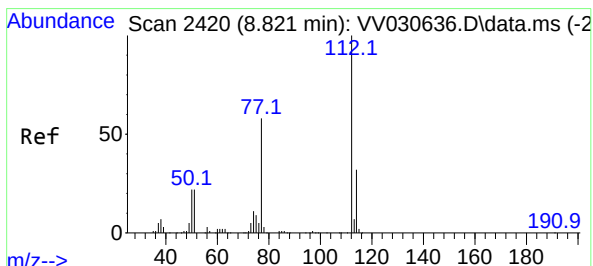
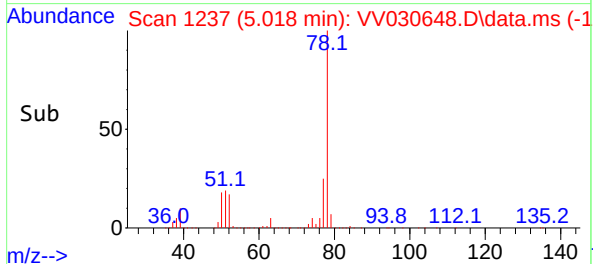
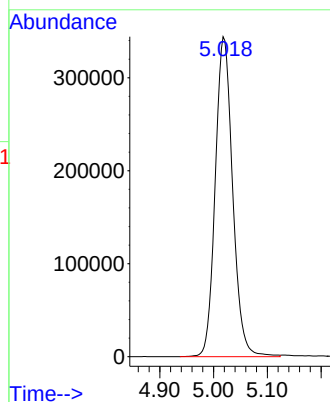
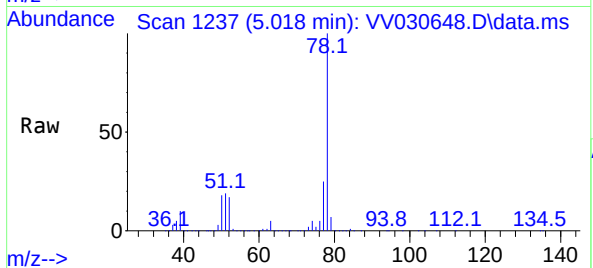




#33  
Benzene  
Concen: 110.118 ug/L  
RT: 5.018 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV030648.D  
Acq: 19 Apr 2023 03:51

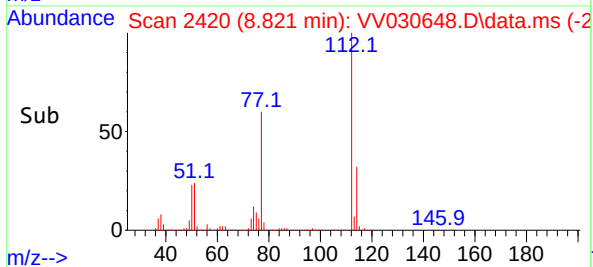
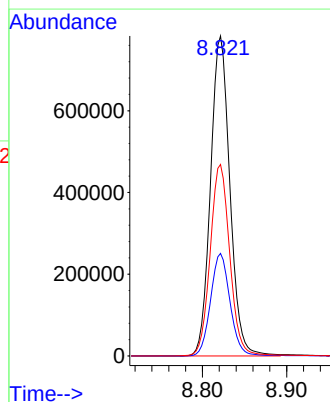
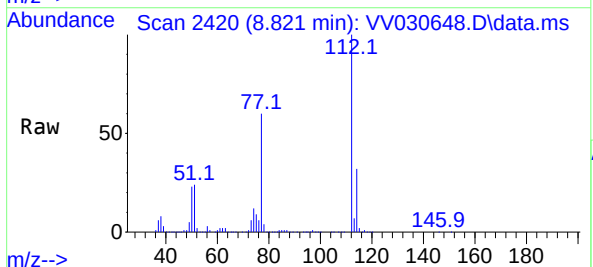
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN1

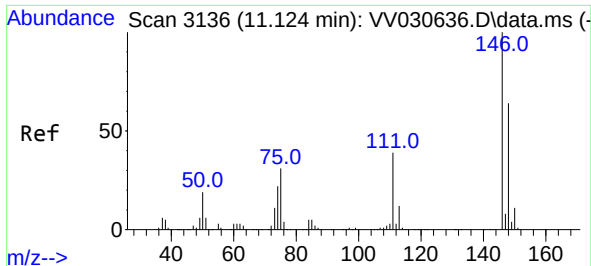
Tgt Ion: 78 Resp: 774638



#51  
Chlorobenzene  
Concen: 250.697 ug/L  
RT: 8.821 min Scan# 2420  
Delta R.T. 0.000 min  
Lab File: VV030648.D  
Acq: 19 Apr 2023 03:51

Tgt Ion:112 Resp: 1251019  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.4 41.6  
77 59.8 47.4 71.0

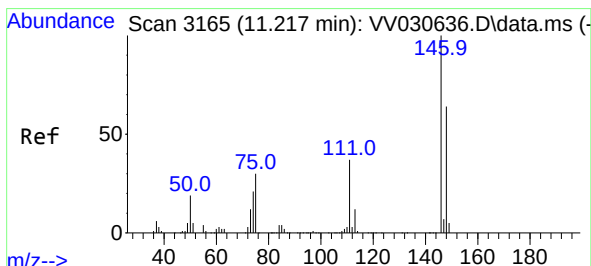
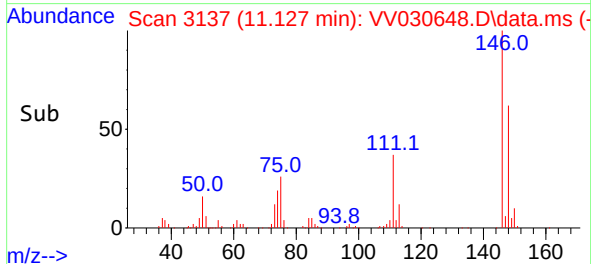
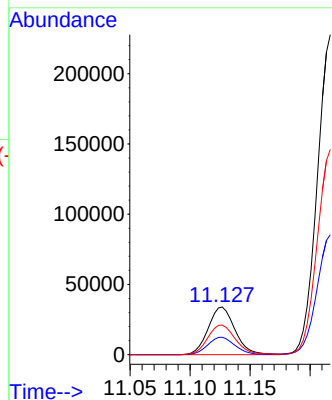
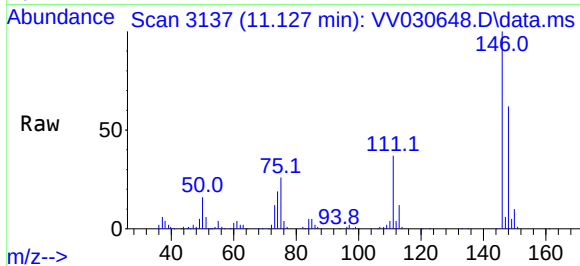




#64  
1,3-Dichlorobenzene  
Concen: 14.472 ug/L  
RT: 11.127 min Scan# 3136  
Delta R.T. 0.003 min  
Lab File: VV030648.D  
Acq: 19 Apr 2023 03:51

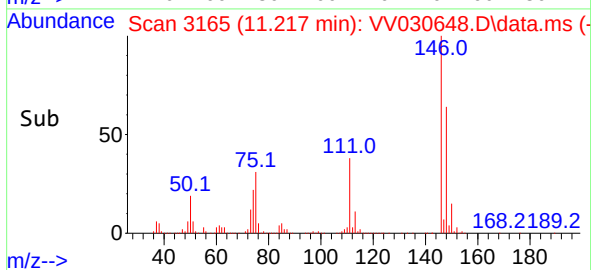
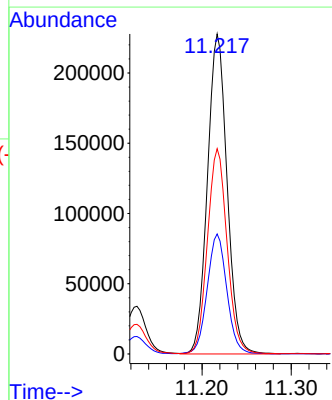
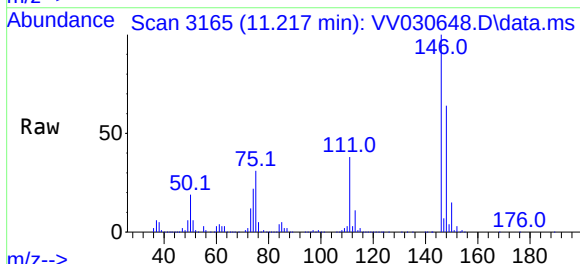
Instrument :  
MSVOA\_V  
ClientSampleId :  
COMN1

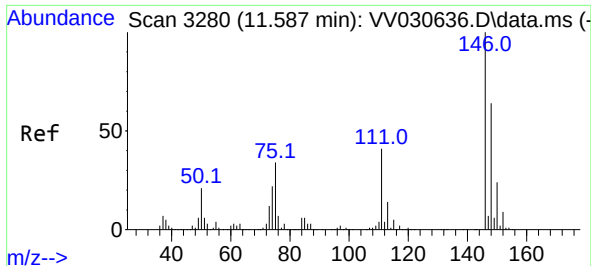
Tgt Ion:146 Resp: 52827  
Ion Ratio Lower Upper  
146 100  
111 36.5 27.0 50.2  
148 62.3 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 90.472 ug/L  
RT: 11.217 min Scan# 3165  
Delta R.T. 0.000 min  
Lab File: VV030648.D  
Acq: 19 Apr 2023 03:51

Tgt Ion:146 Resp: 348254  
Ion Ratio Lower Upper  
146 100  
111 37.5 26.5 49.1  
148 64.1 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 110.814 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV030648.D

Acq: 19 Apr 2023 03:51

Instrument :

MSVOA\_V

ClientSampleId :

COMN1

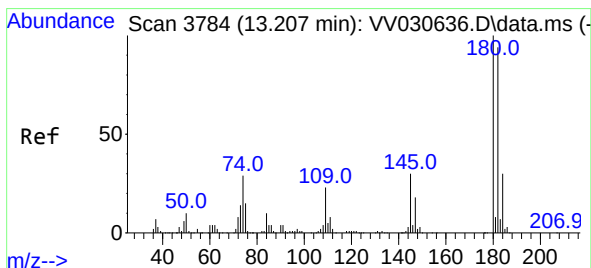
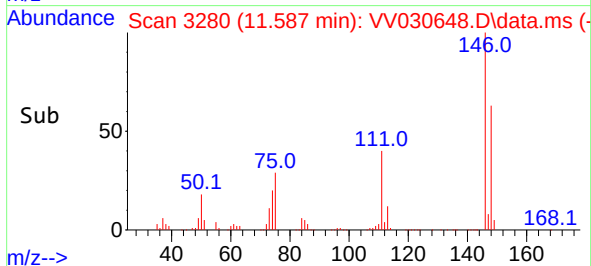
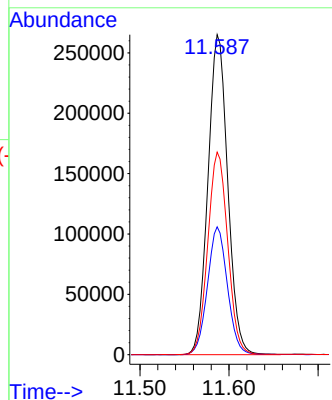
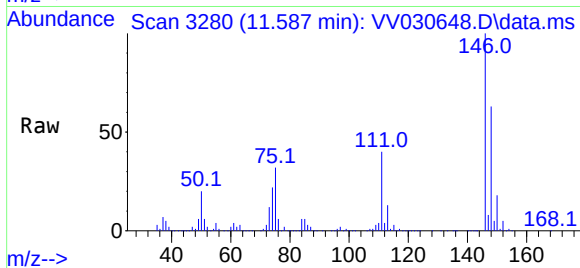
Tgt Ion:146 Resp: 408088

Ion Ratio Lower Upper

146 100

111 40.0 32.0 48.0

148 63.3 50.6 76.0



#70

1,2,4-trichlorobenzene

Concen: 60.018 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030648.D

Acq: 19 Apr 2023 03:51

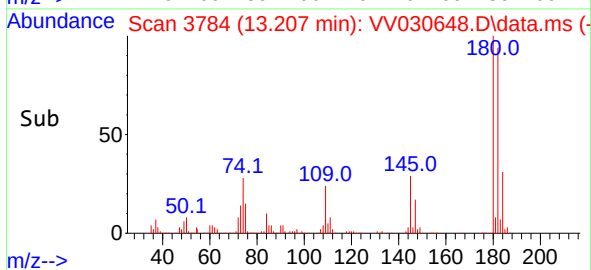
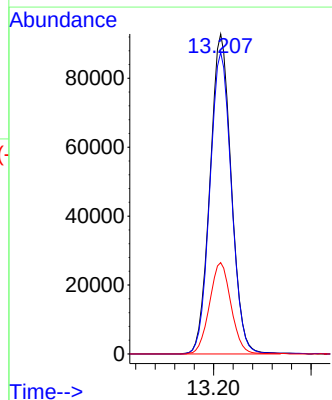
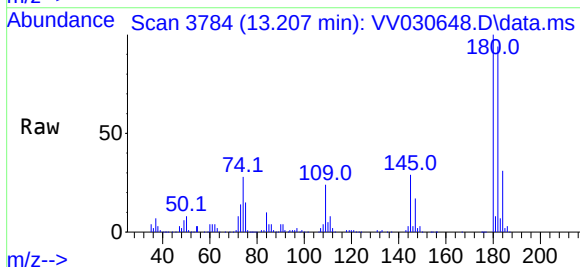
Tgt Ion:180 Resp: 140521

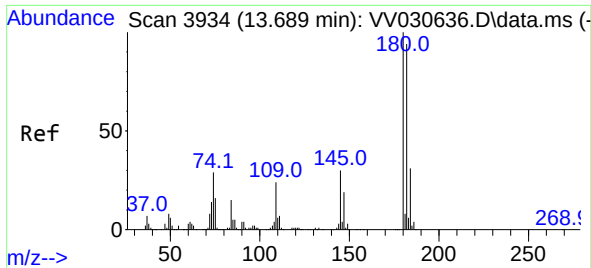
Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

145 28.9 23.4 35.2





#72

1,2,3-Trichlorobenzene

Concen: 17.162 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030648.D

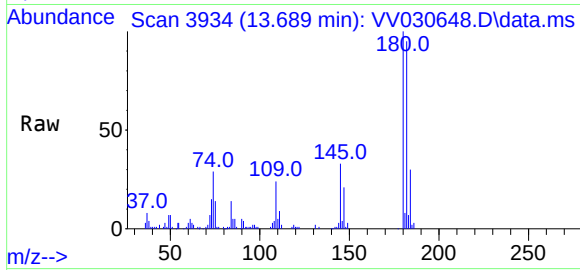
Acq: 19 Apr 2023 03:51

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Tgt Ion:180 Resp: 39845

Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.4

145 32.3 25.1 37.7

