

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
 Data File : VU053616.D  
 Acq On : 10 Apr 2023 15:39  
 Operator : JC/MD  
 Sample : 02251-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMD1

Quant Time: Apr 11 02:22:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 02:19:45 2023  
 Response via : Initial Calibration

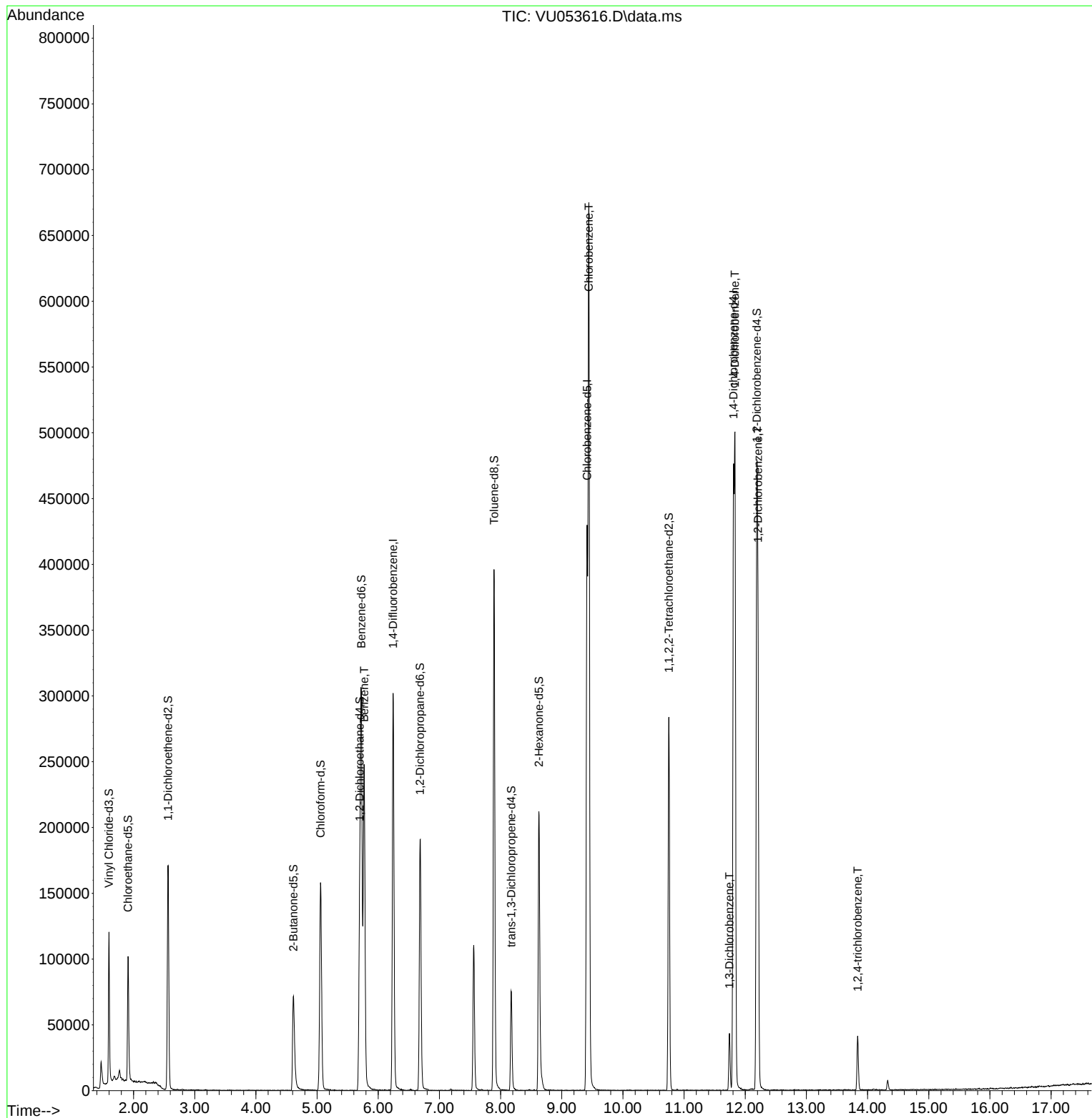
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 258680   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 239747   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152   | 118075   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 85072    | 42.235   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 84.480%  |
| 7) Chloroethane-d5            | 1.909   | 69    | 73579    | 47.378   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.760%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 99847    | 32.023   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 64.040%  |
| 21) 2-Butanone-d5             | 4.613   | 46    | 103131   | 113.087  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 113.090% |
| 24) Chloroform-d              | 5.057   | 84    | 144460   | 43.366   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.740%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 96019    | 48.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.560%  |
| 32) Benzene-d6                | 5.723   | 84    | 299455   | 46.273   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.540%  |
| 36) 1,2-Dichloropropane-d6    | 6.684   | 67    | 95782    | 48.423   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.840%  |
| 41) Toluene-d8                | 7.893   | 98    | 276308   | 42.958   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.920%  |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 45042    | 44.114   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.220%  |
| 47) 2-Hexanone-d5             | 8.626   | 63    | 76789    | 113.749  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 113.750% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 138680   | 49.743   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 99.480%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152   | 108225   | 43.911   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 87.820%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 5.771   | 78    | 251888   | 40.325   | ug/L   | 100      |
| 51) Chlorobenzene             | 9.443   | 112   | 371206   | 76.109   | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 11.742  | 146   | 18417    | 5.049    | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.832  | 146   | 195935   | 52.703   | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.208  | 146   | 123888   | 34.077   | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.838  | 180   | 13137    | 5.246    | ug/L   | 93       |
| -----                         |         |       |          |          |        |          |

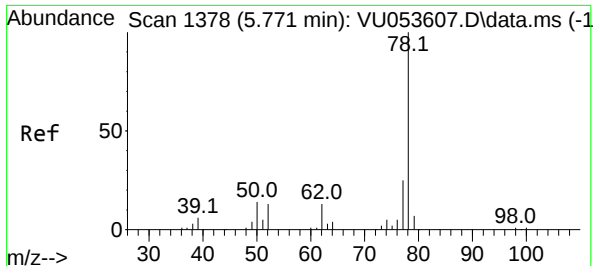
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Tue Apr 11 02:19:45 2023  
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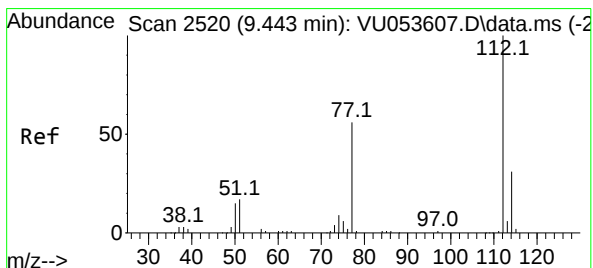
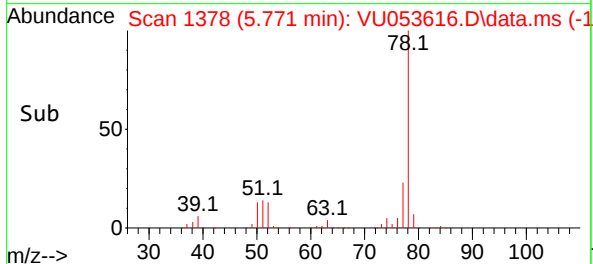
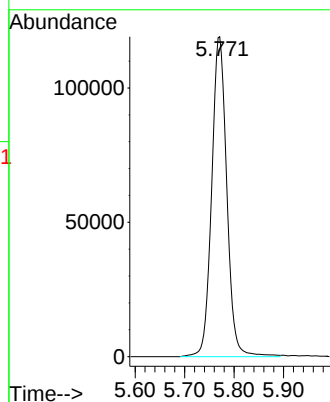
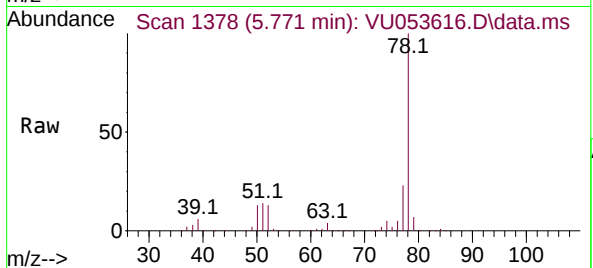




#33  
Benzene  
Concen: 40.325 ug/L  
RT: 5.771 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU053616.D  
Acq: 10 Apr 2023 15:39

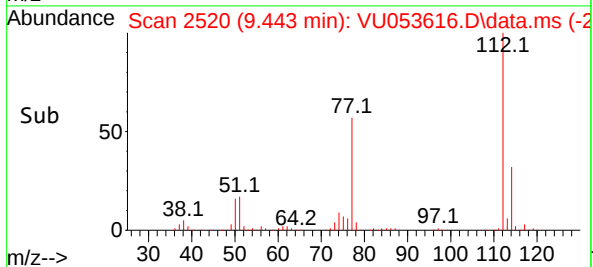
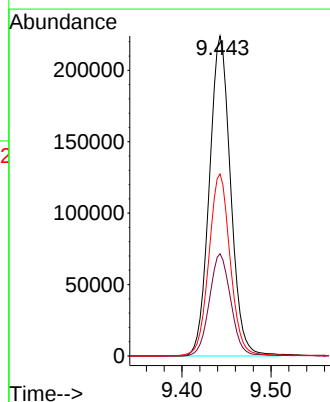
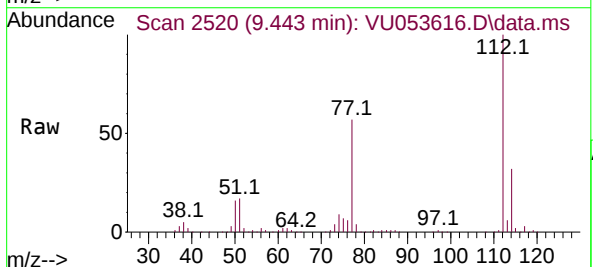
Instrument :  
MSVOA\_U  
ClientSampleId :  
COMD1

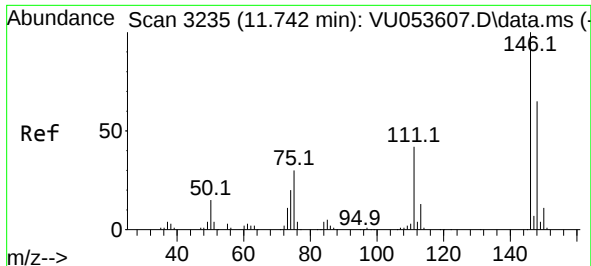
Tgt Ion: 78 Resp: 251888



#51  
Chlorobenzene  
Concen: 76.109 ug/L  
RT: 9.443 min Scan# 2520  
Delta R.T. 0.000 min  
Lab File: VU053616.D  
Acq: 10 Apr 2023 15:39

Tgt Ion: 112 Resp: 371206  
Ion Ratio Lower Upper  
112 100  
114 32.0 22.2 41.2  
77 56.9 41.3 61.9

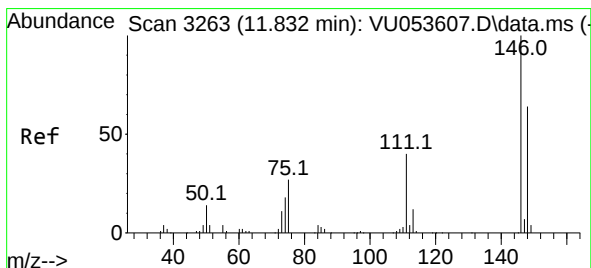
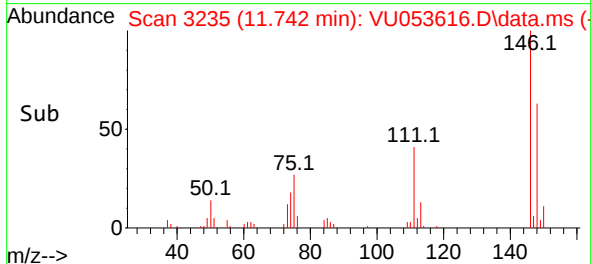
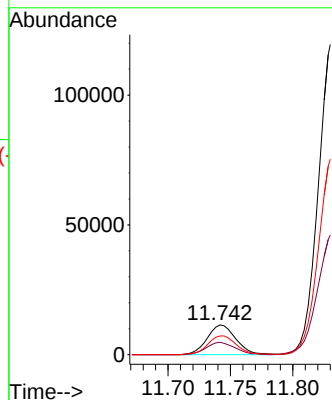
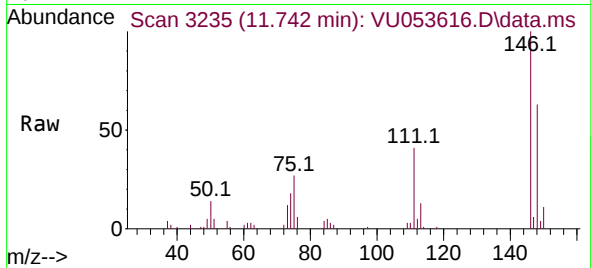




#64  
1,3-Dichlorobenzene  
Concen: 5.049 ug/L  
RT: 11.742 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VU053616.D  
Acq: 10 Apr 2023 15:39

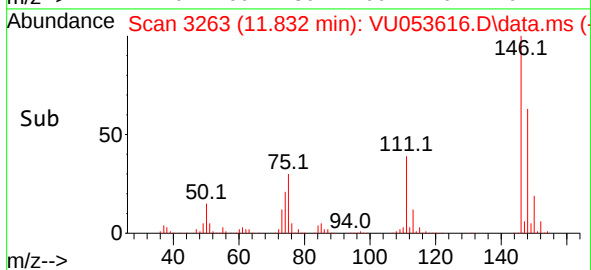
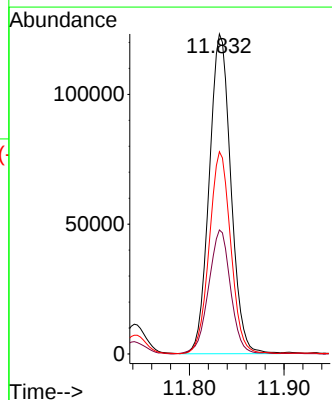
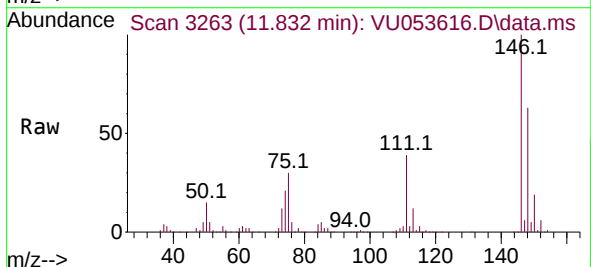
Instrument :  
MSVOA\_U  
ClientSampleId :  
COMD1

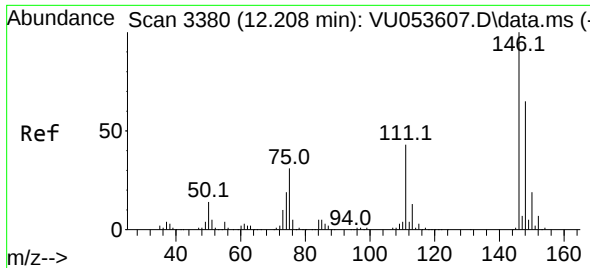
Tgt Ion:146 Resp: 18417  
Ion Ratio Lower Upper  
146 100  
111 41.4 25.7 47.7  
148 63.0 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 52.703 ug/L  
RT: 11.832 min Scan# 3263  
Delta R.T. 0.000 min  
Lab File: VU053616.D  
Acq: 10 Apr 2023 15:39

Tgt Ion:146 Resp: 195935  
Ion Ratio Lower Upper  
146 100  
111 38.8 25.1 46.5  
148 63.2 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 34.077 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053616.D

Acq: 10 Apr 2023 15:39

Instrument :

MSVOA\_U

ClientSampleId :

COMD1

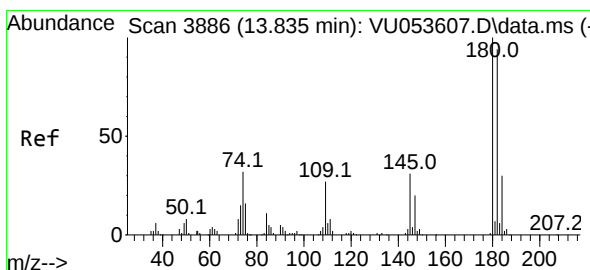
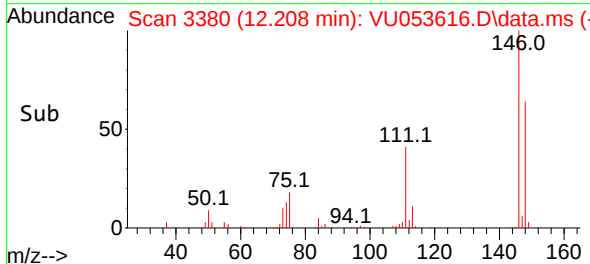
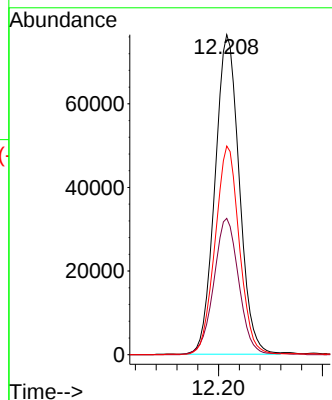
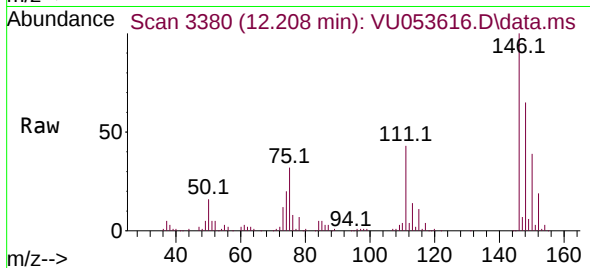
Tgt Ion:146 Resp: 123888

Ion Ratio Lower Upper

146 100

111 42.6 31.5 47.3

148 65.2 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 5.246 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053616.D

Acq: 10 Apr 2023 15:39

Tgt Ion:180 Resp: 13137

Ion Ratio Lower Upper

180 100

182 102.4 75.8 113.8

145 31.6 23.4 35.2

