

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041422\  
 Data File : VU048056.D  
 Acq On : 14 Apr 2022 14:25  
 Operator : SY/MD  
 Sample : N2316-06ME  
 Misc : 6.23g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETNQ4ME

Quant Time: Apr 15 02:26:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 15 02:23:12 2022  
 Response via : Initial Calibration

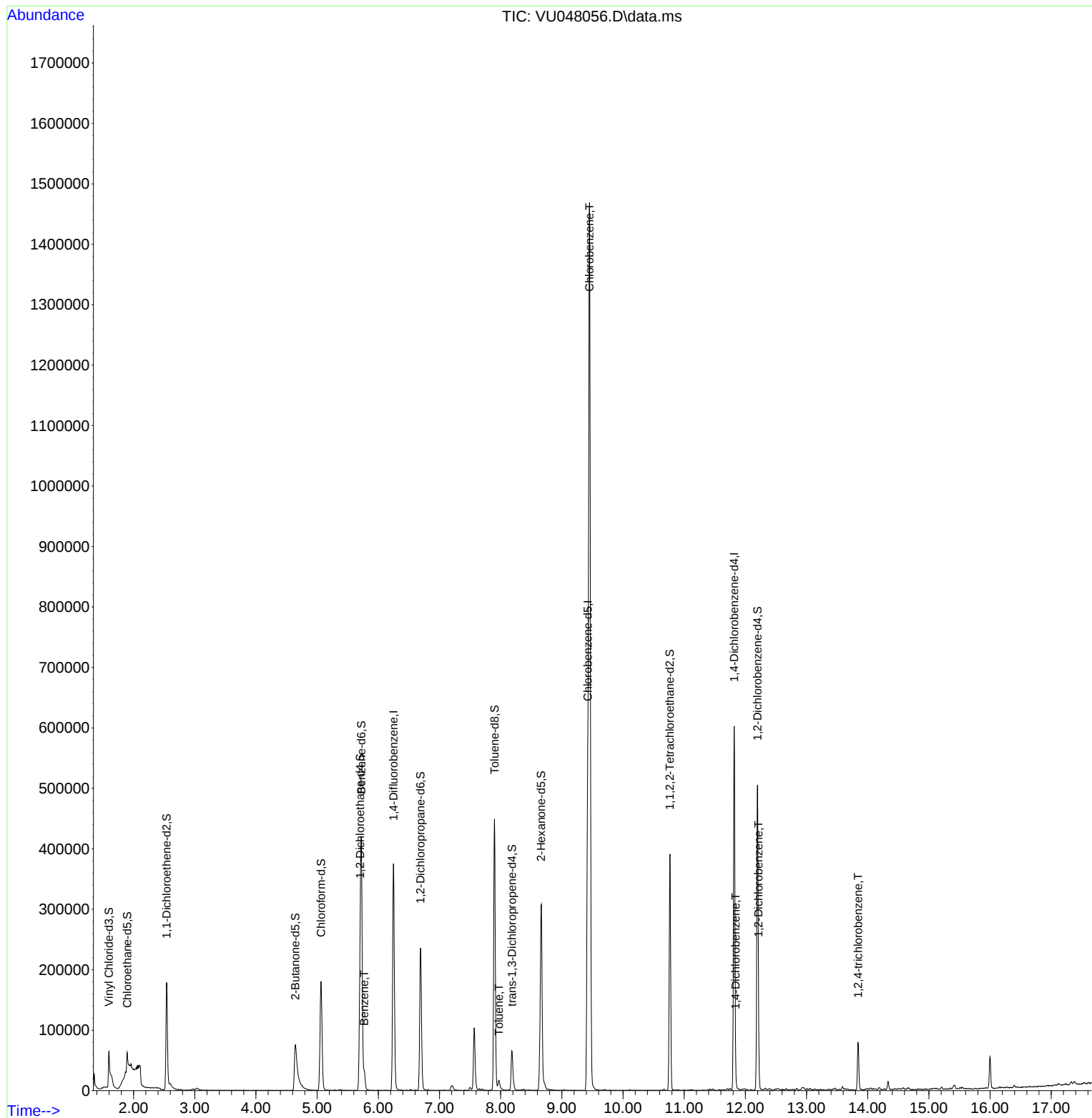
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 334825   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423   | 117   | 340434   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819  | 152   | 169719   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 86764    | 35.734   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 71.460%  |
| 7) Chloroethane-d5            | 1.896   | 69    | 49270    | 25.735   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 51.480%# |
| 11) 1,1-Dichloroethene-d2     | 2.539   | 63    | 116703   | 26.271   | ug/L   | -0.03    |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 52.540%# |
| 21) 2-Butanone-d5             | 4.645   | 46    | 174040   | 83.511   | ug/L   | 0.03     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 83.510%  |
| 24) Chloroform-d              | 5.063   | 84    | 180278   | 40.579   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 81.160%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 120500   | 44.224   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.440%  |
| 32) Benzene-d6                | 5.723   | 84    | 370993   | 43.309   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.620%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 122494   | 46.562   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.120%  |
| 41) Toluene-d8                | 7.899   | 98    | 319458   | 38.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 76.560%# |
| 43) trans-1,3-Dichloroprop... | 8.186   | 79    | 45529    | 34.160   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 68.320%  |
| 47) 2-Hexanone-d5             | 8.661   | 63    | 130863   | 84.973   | ug/L   | 0.03     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 84.970%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.767  | 84    | 194884   | 43.165   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 86.320%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.198  | 152   | 137366   | 45.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.980%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 33) Benzene                   | 5.771   | 78    | 31164    | 3.163    | ug/L   | 100      |
| 42) Toluene                   | 7.970   | 91    | 12213    | 1.130    | ug/L   | 99       |
| 51) Chlorobenzene             | 9.452   | 112   | 925232   | 126.031  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.841  | 146   | 6127     | 1.160    | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.214  | 146   | 10234    | 2.006    | ug/L # | 91       |
| 70) 1,2,4-trichlorobenzene    | 13.841  | 180   | 26940    | 7.428    | ug/L   | 97       |
| -----                         |         |       |          |          |        |          |

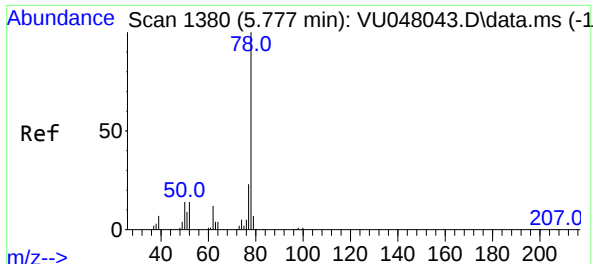
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Title : VOC Analysis  
QLast Update : Fri Apr 15 02:23:12 2022  
Response via : Initial Calibration





#33

Benzene

Concen: 3.163 ug/L

RT: 5.771 min Scan# 1380

Delta R.T. -0.006 min

Lab File: VU048056.D

Acq: 14 Apr 2022 14:25

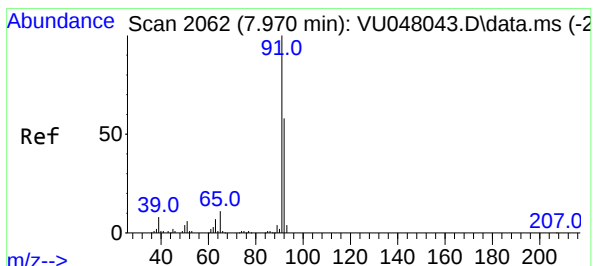
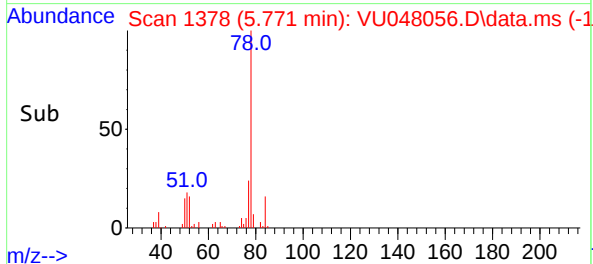
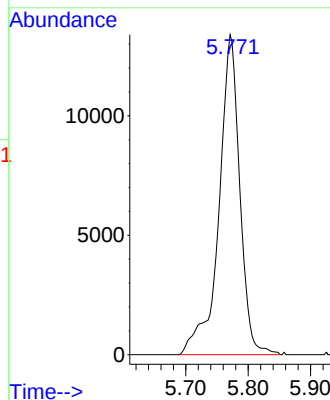
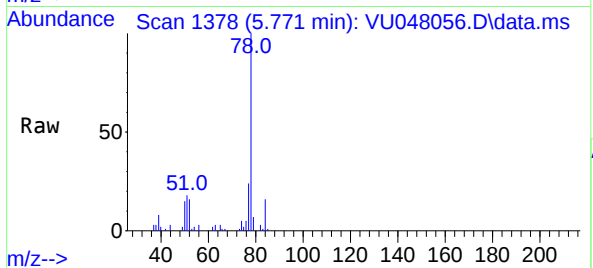
Instrument :

MSVOA\_U

ClientSampleId :

ETNQ4ME

Tgt Ion: 78 Resp: 31164



#42

Toluene

Concen: 1.130 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU048056.D

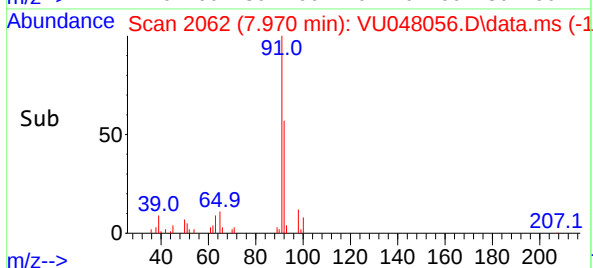
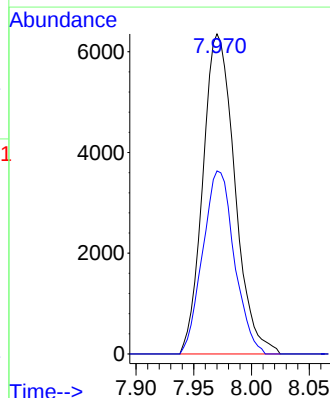
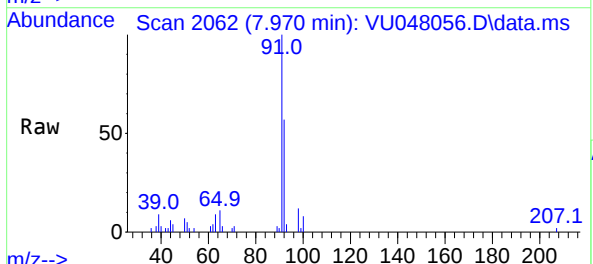
Acq: 14 Apr 2022 14:25

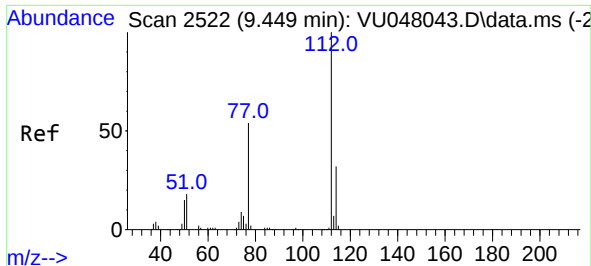
Tgt Ion: 91 Resp: 12213

Ion Ratio Lower Upper

91 100

92 57.2 40.4 75.0

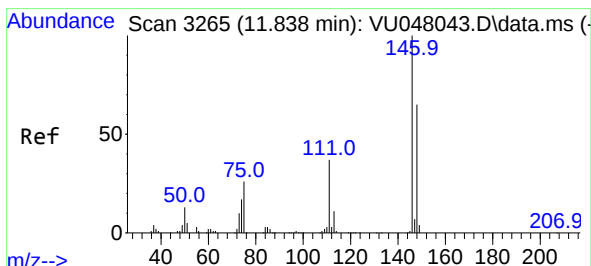
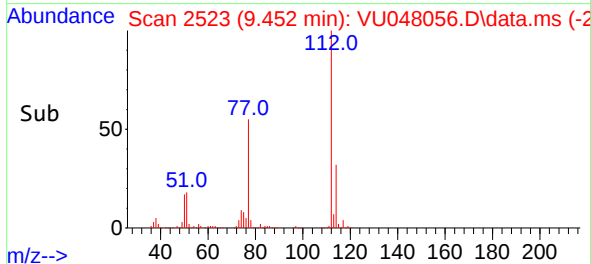
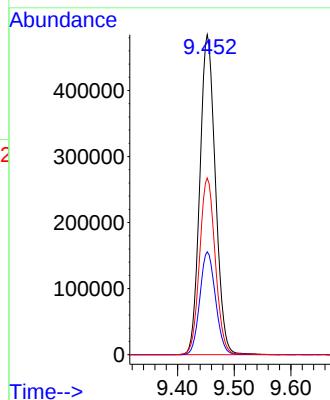
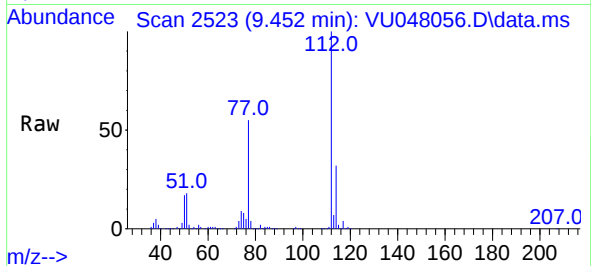




#51  
Chlorobenzene  
Concen: 126.031 ug/L  
RT: 9.452 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU048056.D  
Acq: 14 Apr 2022 14:25

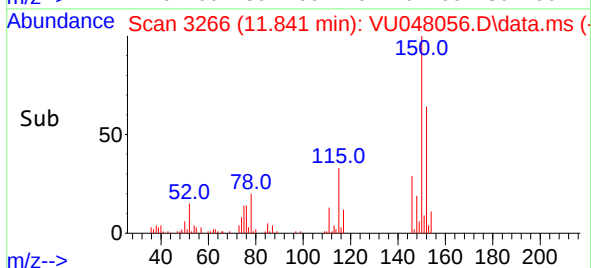
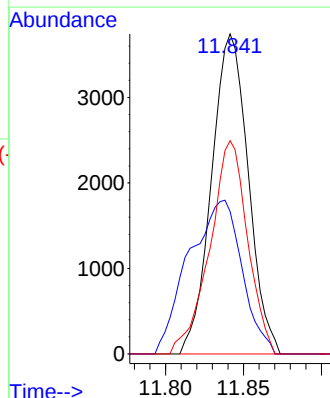
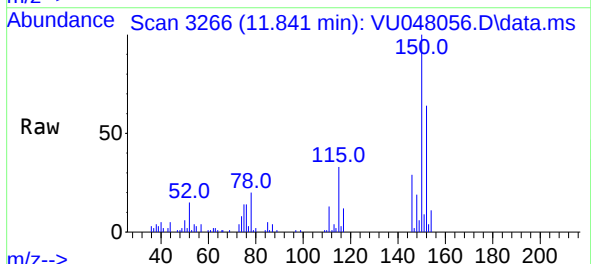
Instrument :  
MSVOA\_U  
ClientSampleId :  
ETNQ4ME

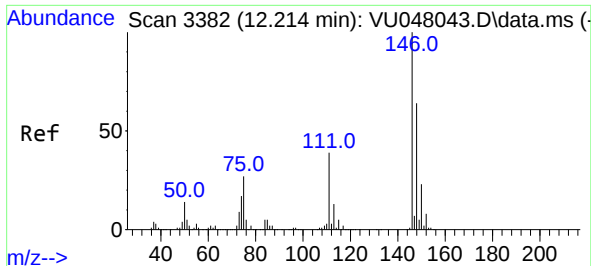
Tgt Ion:112 Resp: 925232  
Ion Ratio Lower Upper  
112 100  
114 32.1 22.1 41.1  
77 55.2 43.4 65.0



#65  
1,4-Dichlorobenzene  
Concen: 1.160 ug/L  
RT: 11.841 min Scan# 3266  
Delta R.T. 0.003 min  
Lab File: VU048056.D  
Acq: 14 Apr 2022 14:25

Tgt Ion:146 Resp: 6127  
Ion Ratio Lower Upper  
146 100  
111 41.2 25.3 47.1  
148 61.8 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 2.006 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU048056.D

Acq: 14 Apr 2022 14:25

Instrument :

MSVOA\_U

ClientSampleId :

ETNQ4ME

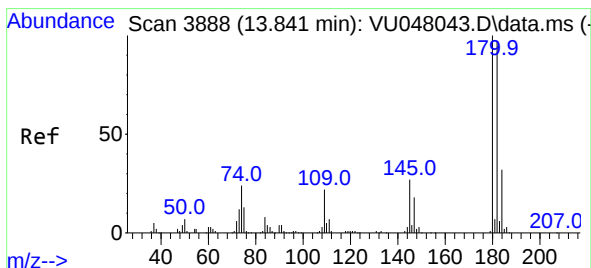
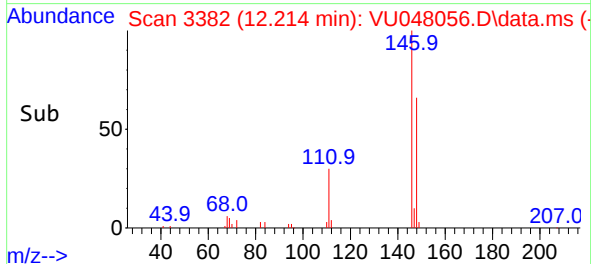
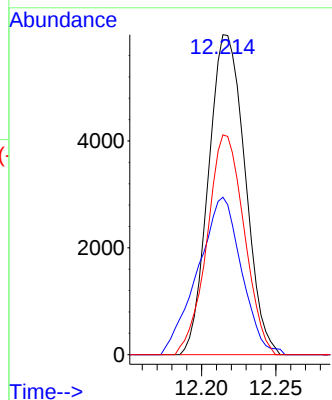
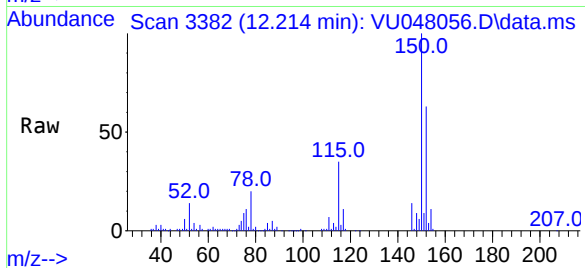
Tgt Ion:146 Resp: 10234

Ion Ratio Lower Upper

146 100

111 49.2 31.7 47.5#

148 68.7 51.4 77.2



#70

1,2,4-trichlorobenzene

Concen: 7.428 ug/L

RT: 13.841 min Scan# 3888

Delta R.T. 0.000 min

Lab File: VU048056.D

Acq: 14 Apr 2022 14:25

Tgt Ion:180 Resp: 26940

Ion Ratio Lower Upper

180 100

182 92.0 76.2 114.2

145 26.7 21.8 32.8

