

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031723\  
 Data File : VU053287.D  
 Acq On : 17 Mar 2023 23:33  
 Operator : JC/MD  
 Sample : 01956-01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0234

Quant Time: Mar 18 04:59:42 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 18 04:29:10 2023  
 Response via : Initial Calibration

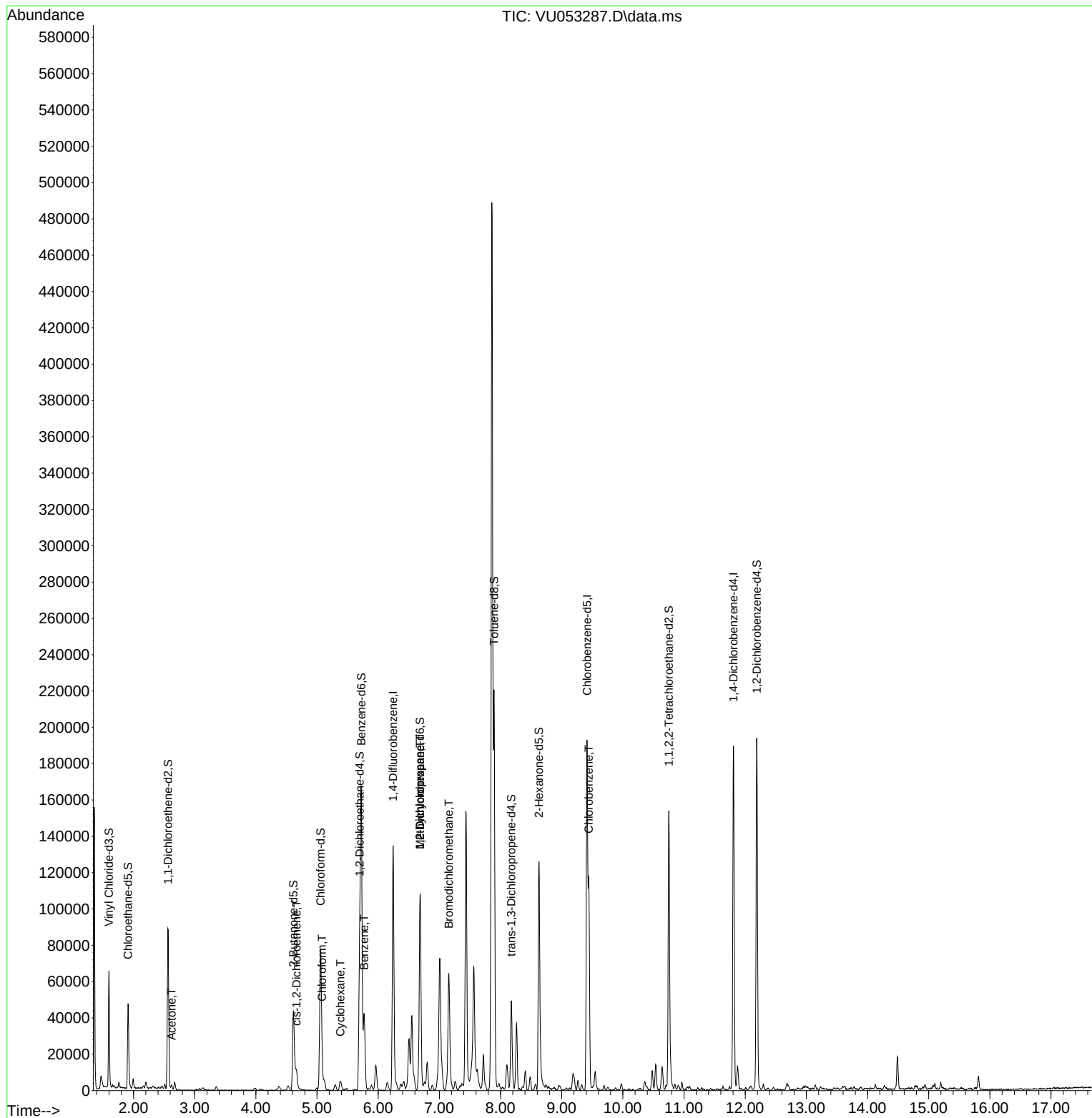
| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 6.244          | 114  | 103371     | 50.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 97395      | 50.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 45693      | 50.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 40352      | 42.313    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.620%   |        |          |
| 7) Chloroethane-d5            | 1.909          | 69   | 34465      | 44.679    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 89.360%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.562          | 63   | 52569      | 31.821    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 63.640%   |        |          |
| 21) 2-Butanone-d5             | 4.613          | 46   | 61357      | 138.720   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 138.720%# |        |          |
| 24) Chloroform-d              | 5.057          | 84   | 66514      | 42.346    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.700%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.697          | 65   | 50484      | 51.753    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.500%  |        |          |
| 32) Benzene-d6                | 5.723          | 84   | 152089     | 48.144    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.280%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.684          | 67   | 52664      | 51.653    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 103.300%  |        |          |
| 41) Toluene-d8                | 7.893          | 98   | 156819     | 53.319    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 106.640%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.176          | 79   | 23041      | 45.804    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.600%   |        |          |
| 47) 2-Hexanone-d5             | 8.626          | 63   | 44519      | 139.666   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 139.670%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751         | 84   | 74116      | 56.116    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 112.240%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189         | 152  | 45293      | 51.193    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 102.380%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 13) Acetone                   | 2.620          | 43   | 3320       | 6.591     | ug/L   | 89       |
| 20) cis-1,2-Dichloroethene    | 4.665          | 96   | 3850       | 4.256     | ug/L   | 94       |
| 25) Chloroform                | 5.083          | 83   | 6444       | 4.096     | ug/L   | 100      |
| 29) Cyclohexane               | 5.379          | 56   | 2994       | 2.063     | ug/L # | 72       |
| 33) Benzene                   | 5.771          | 78   | 36501      | 10.810    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.684          | 83   | 11580      | 7.504     | ug/L # | 34       |
| 37) 1,2-Dichloropropane       | 6.684          | 63   | 5635       | 5.982     | ug/L # | 86       |
| 38) Bromodichloromethane      | 7.154          | 83   | 36000      | 30.707    | ug/L # | 25       |
| 51) Chlorobenzene             | 9.443          | 112  | 56749      | 25.083    | ug/L   | 95       |
| -----                         |                |      |            |           |        |          |

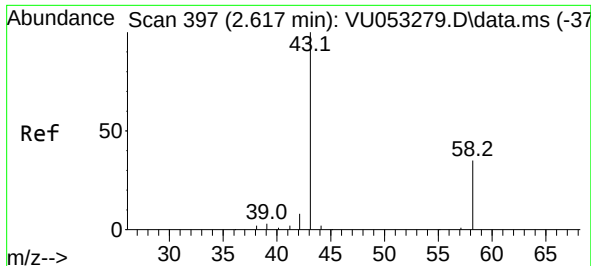
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Mar 18 04:29:10 2023  
Response via : Initial Calibration





#13

Acetone

Concen: 6.591 ug/L

RT: 2.620 min Scan# 397

Delta R.T. 0.003 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

Instrument :

MSVOA\_U

ClientSampleId :

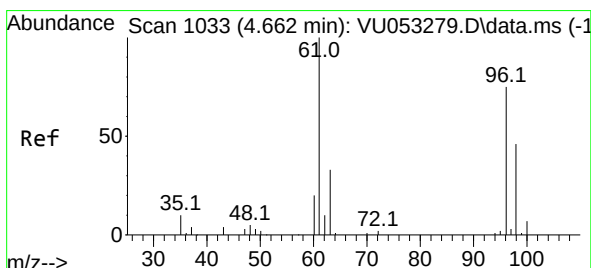
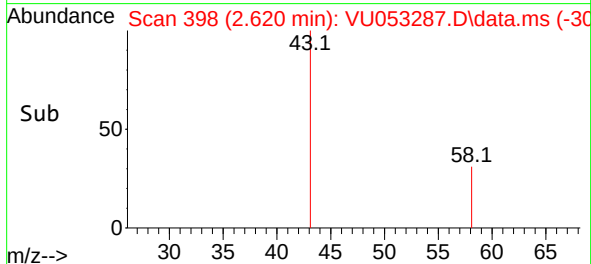
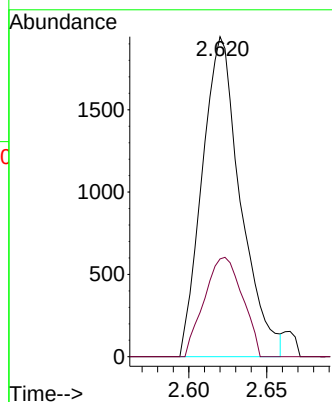
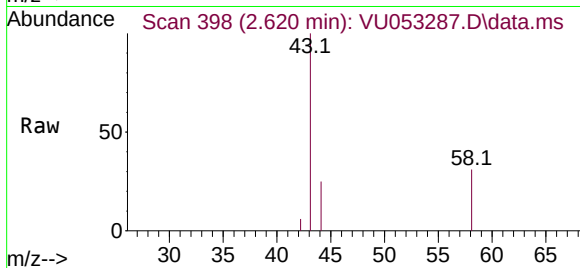
E0234

Tgt Ion: 43 Resp: 3320

Ion Ratio Lower Upper

43 100

58 30.9 0.0 75.0



#20

cis-1,2-Dichloroethene

Concen: 4.256 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

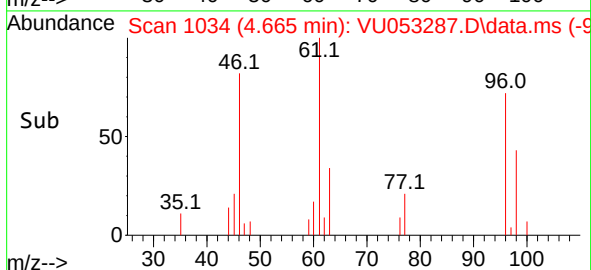
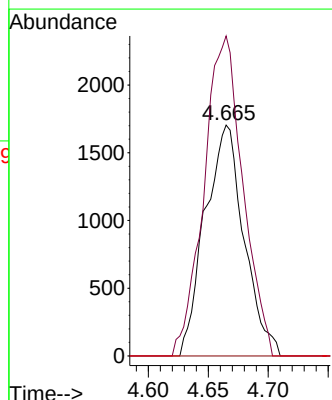
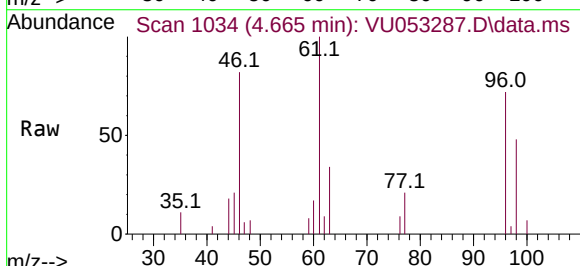
Tgt Ion: 96 Resp: 3850

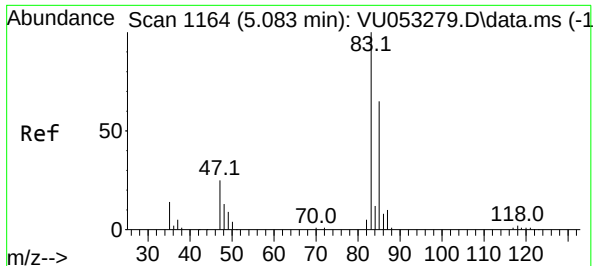
Ion Ratio Lower Upper

96 100

61 138.6 92.5 171.7

68 0.0 0.0 0.0





#25

Chloroform

Concen: 4.096 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

Instrument :

MSVOA\_U

ClientSampleId :

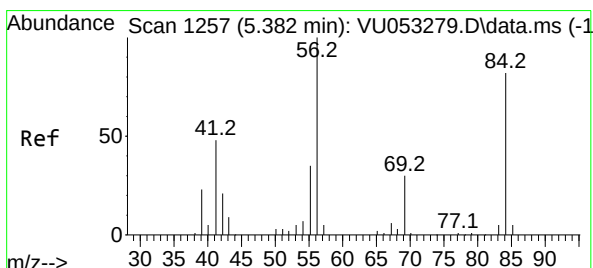
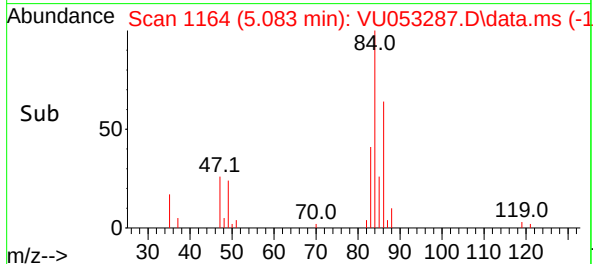
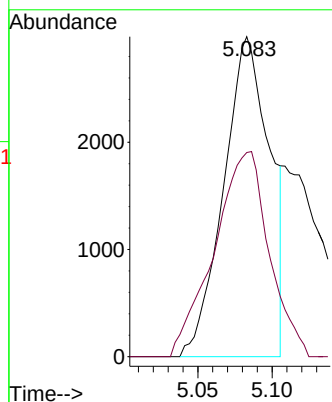
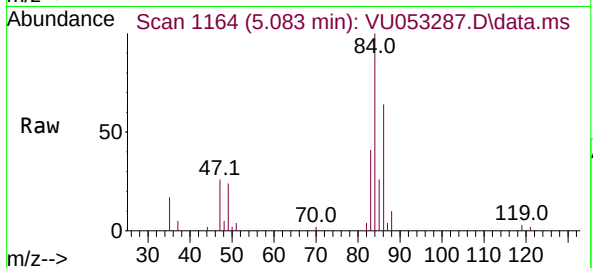
E0234

Tgt Ion: 83 Resp: 6444

Ion Ratio Lower Upper

83 100

85 63.8 44.9 83.3



#29

Cyclohexane

Concen: 2.063 ug/L

RT: 5.379 min Scan# 1256

Delta R.T. -0.003 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

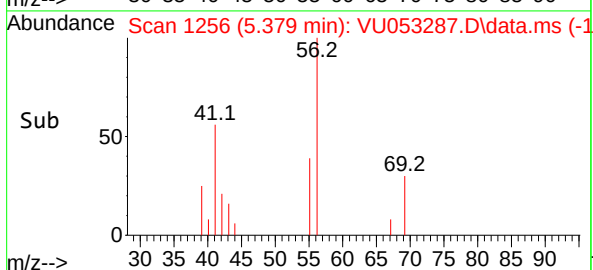
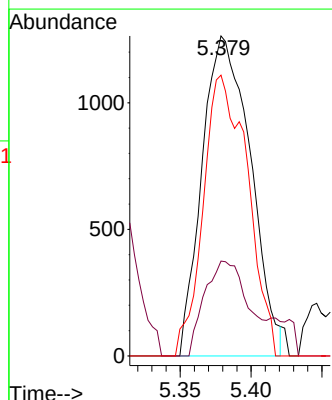
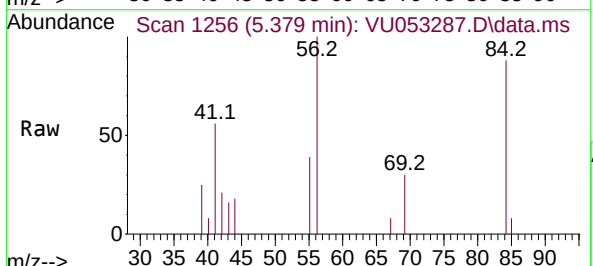
Tgt Ion: 56 Resp: 2994

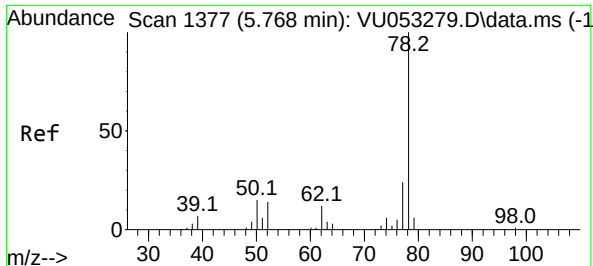
Ion Ratio Lower Upper

56 100

69 27.1 25.4 38.0

84 54.4 69.0 103.6#





#33

Benzene

Concen: 10.810 ug/L

RT: 5.771 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

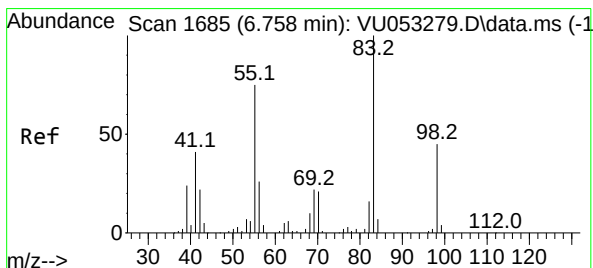
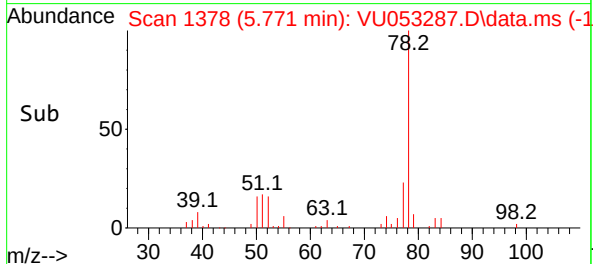
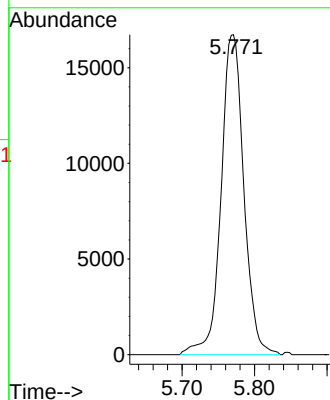
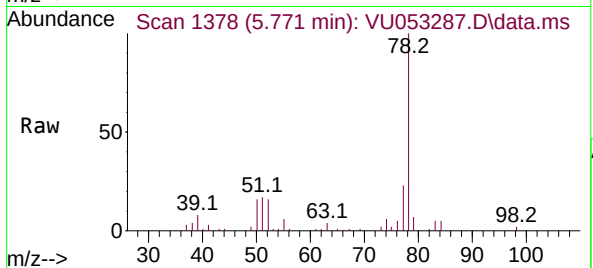
Instrument :

MSVOA\_U

ClientSampleId :

E0234

Tgt Ion: 78 Resp: 36501



#35

Methylcyclohexane

Concen: 7.504 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.074 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

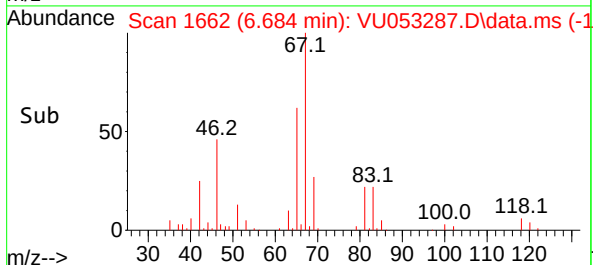
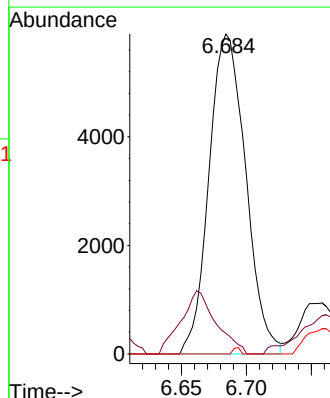
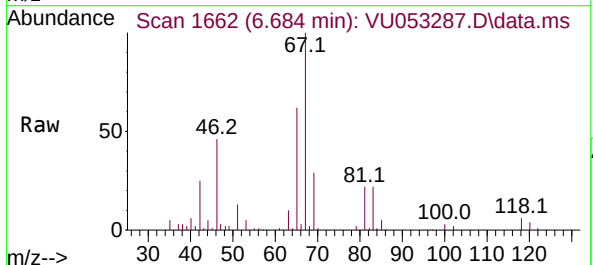
Tgt Ion: 83 Resp: 11580

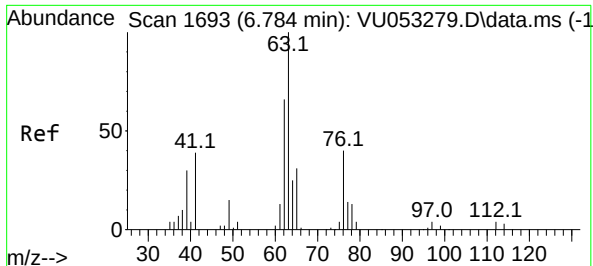
Ion Ratio Lower Upper

83 100

55 18.8 58.2 87.4#

98 0.4 35.4 53.2#





#37

1,2-Dichloropropane

Concen: 5.982 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

Instrument :

MSVOA\_U

ClientSampleId :

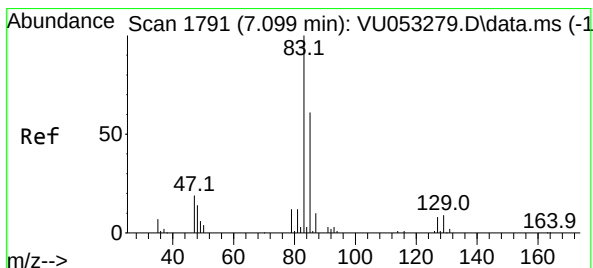
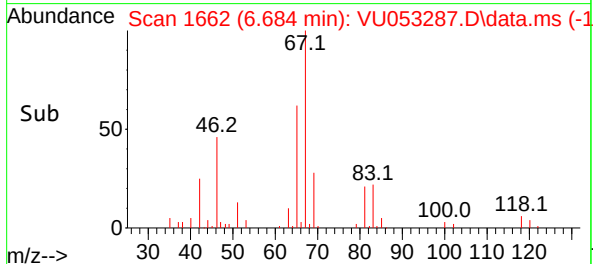
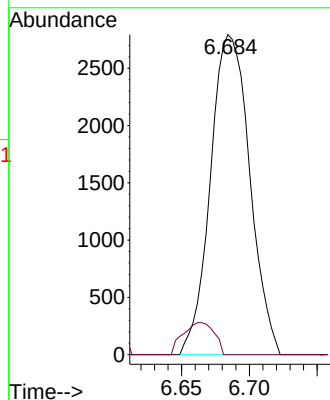
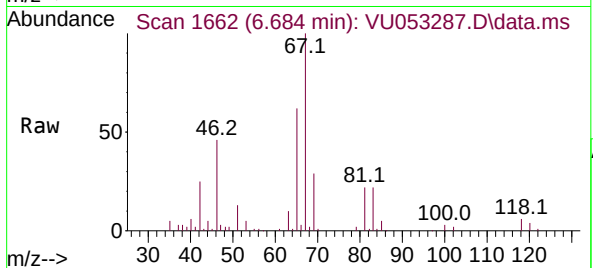
E0234

Tgt Ion: 63 Resp: 5635

Ion Ratio Lower Upper

63 100

112 8.0 2.6 3.8#



#38

Bromodichloromethane

Concen: 30.707 ug/L

RT: 7.154 min Scan# 1808

Delta R.T. 0.055 min

Lab File: VU053287.D

Acq: 17 Mar 2023 23:33

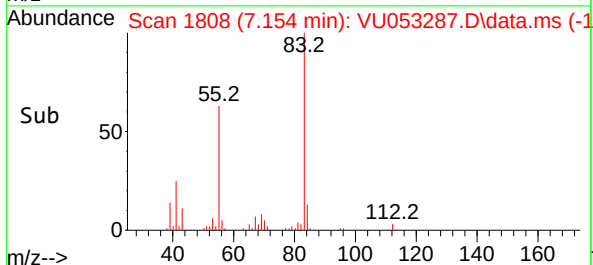
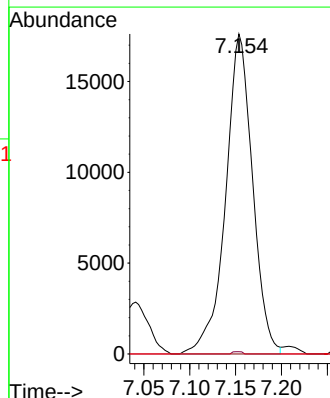
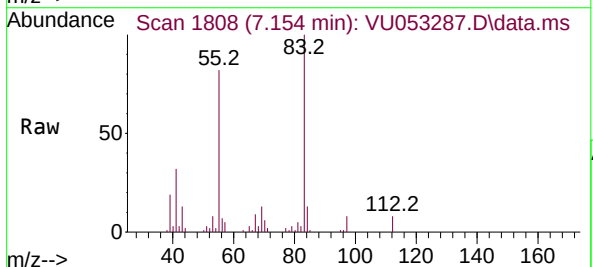
Tgt Ion: 83 Resp: 36000

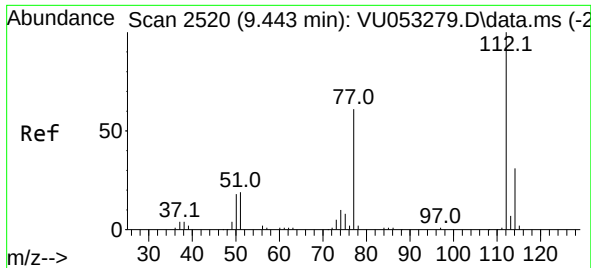
Ion Ratio Lower Upper

83 100

85 0.7 45.4 84.2#

127 0.0 5.9 8.9#





#51  
 Chlorobenzene  
 Concen: 25.083 ug/L  
 RT: 9.443 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VU053287.D  
 Acq: 17 Mar 2023 23:33

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E0234

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 56749       |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 32.1  | 21.8 40.6   |
| 77          | 65.9  | 48.8 73.2   |

