

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080522\  
 Data File : VU050103.D  
 Acq On : 05 Aug 2022 17:54  
 Operator : SY/MD  
 Sample : N4027-15  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

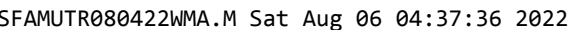
Instrument :  
 MSVOA\_U  
 ClientSampleId :

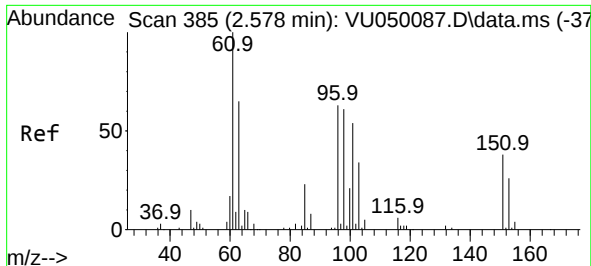
Quant Time: Aug 06 04:37:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Aug 06 04:32:47 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 79766    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 80841    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 30816    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 27999    | 4.218    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 84.400%  |
| 7) Chloroethane-d5            | 1.909  | 69    | 25351    | 4.734    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 11038    | 4.255    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.000%  |
| 20) 2-Butanone-d5             | 4.626  | 46    | 91341    | 56.426   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 112.860% |
| 24) Chloroform-d              | 5.067  | 84    | 62661    | 5.075    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.400% |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 33350    | 5.261    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 105.200% |
| 32) Benzene-d6                | 5.729  | 84    | 122497   | 4.856    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 43858    | 5.279    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 105.600% |
| 41) Toluene-d8                | 7.899  | 98    | 99608    | 4.471    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.400%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 14217    | 4.776    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 95.600%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 55978    | 53.025   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.060% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 37745    | 5.174    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.400% |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 33407    | 5.533    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 110.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.572  | 101   | 718      | 0.138    | ug/L # | 52       |
| 12) 1,1-Dichloroethene        | 2.575  | 96    | 2273     | 0.412    | ug/L # | 1        |
| 13) Acetone                   | 2.629  | 43    | 4751     | 5.270    | ug/L   | 90       |
| 15) Methyl Acetate            | 2.774  | 43    | 695      | 0.282    | ug/L # | 46       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 4897     | 0.419    | ug/L   | 96       |
| 21) 2-Butanone                | 4.716  | 43    | 2148     | 1.325    | ug/L   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 17462    | 2.548    | ug/L   | 89       |
| 25) Chloroform                | 5.096  | 83    | 4644     | 0.373    | ug/L   | 91       |
| 31) Carbon tetrachloride      | 5.517  | 117   | 1012     | 0.124    | ug/L # | 1        |
| 34) Trichloroethene           | 6.542  | 95    | 178362   | 26.037   | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.694  | 83    | 9919     | 1.122    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.694  | 63    | 4147     | 0.550    | ug/L # | 89       |
| 47) Tetrachloroethene         | 8.552  | 164   | 1877     | 0.382    | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.552  | 129   | 1888     | 0.302    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 3739     | 0.891    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

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

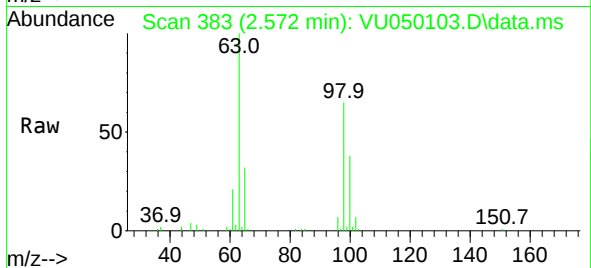
Quant Time: Aug 06 04:37:27 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR080422WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Aug 06 04:32:47 2022  
Response via : Initial Calibration



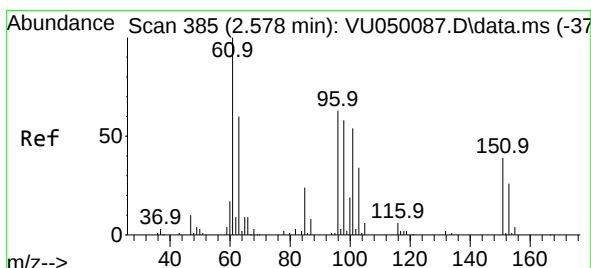
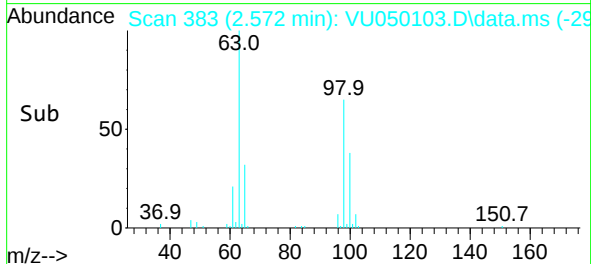
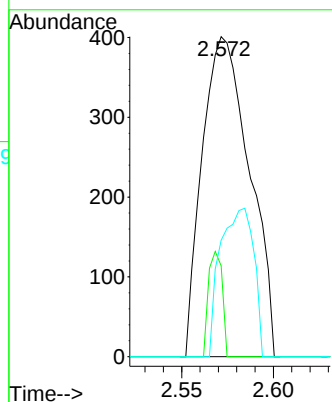


#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.138 ug/L  
 RT: 2.572 min Scan# 383  
 Delta R.T. -0.007 min  
 Lab File: VU050103.D  
 Acq: 05 Aug 2022 17:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :

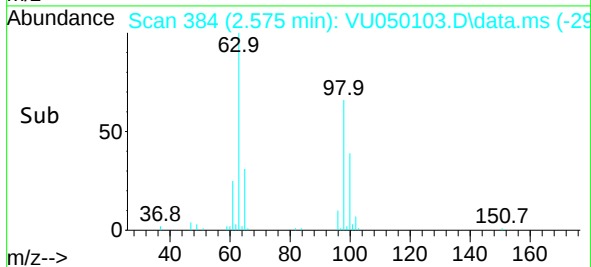
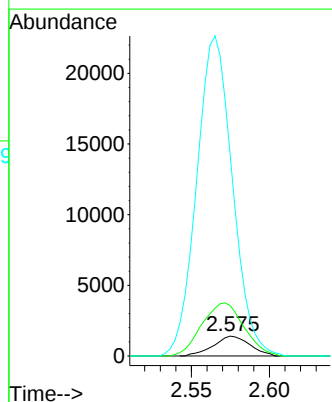
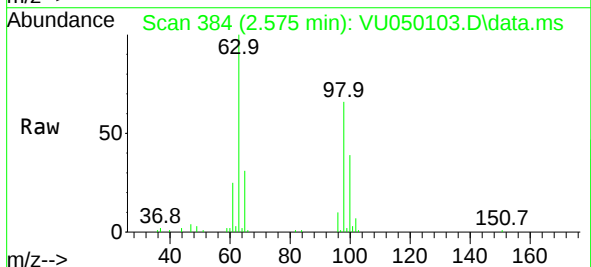


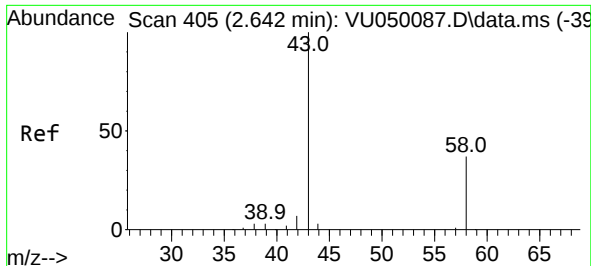
Tgt Ion:101 Resp: 718  
 Ion Ratio Lower Upper  
 101 100  
 85 9.6 35.6 53.4#  
 151 32.7 55.2 82.8#



#12  
 1,1-Dichloroethene  
 Concen: 0.412 ug/L  
 RT: 2.575 min Scan# 384  
 Delta R.T. -0.003 min  
 Lab File: VU050103.D  
 Acq: 05 Aug 2022 17:54

Tgt Ion: 96 Resp: 2273  
 Ion Ratio Lower Upper  
 96 100  
 61 254.6 122.7 227.9#  
 63 1021.6 85.1 158.1#





#13

Acetone

Concen: 5.270 ug/L

RT: 2.629 min Scan# 405

Delta R.T. -0.013 min

Lab File: VU050103.D

Acq: 05 Aug 2022 17:54

Instrument :

MSVOA\_U

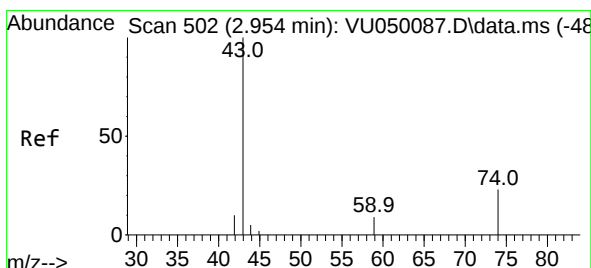
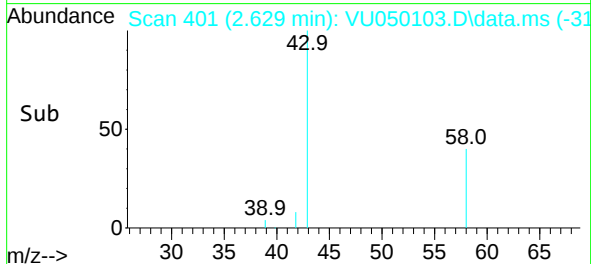
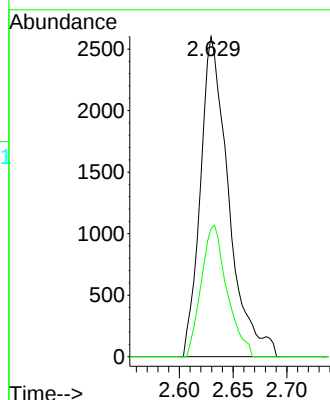
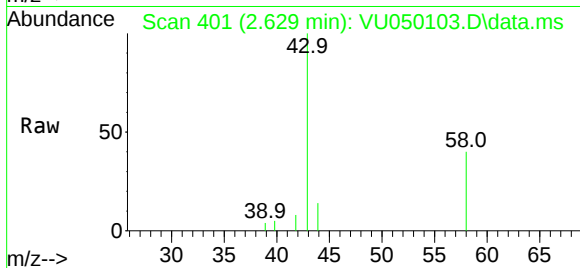
ClientSampleId :

Tgt Ion: 43 Resp: 4751

Ion Ratio Lower Upper

43 100

58 37.4 0.0 64.0



#15

Methyl Acetate

Concen: 0.282 ug/L

RT: 2.774 min Scan# 446

Delta R.T. -0.180 min

Lab File: VU050103.D

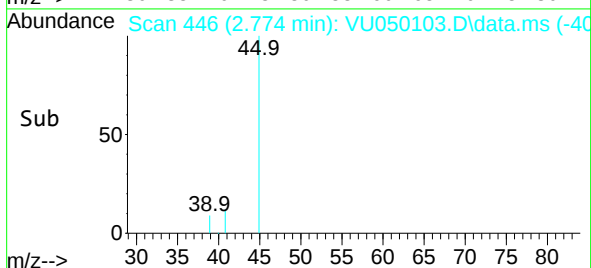
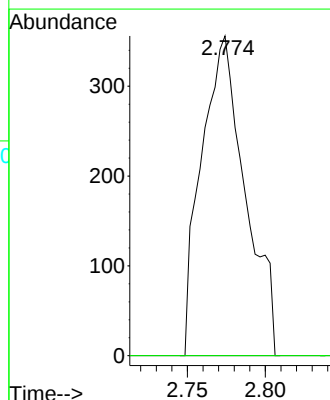
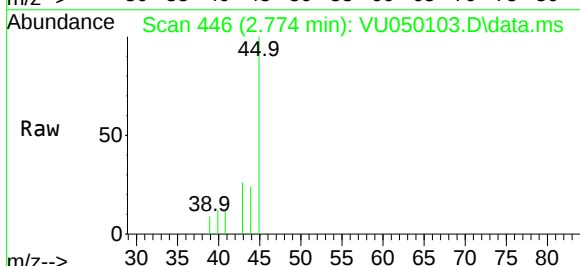
Acq: 05 Aug 2022 17:54

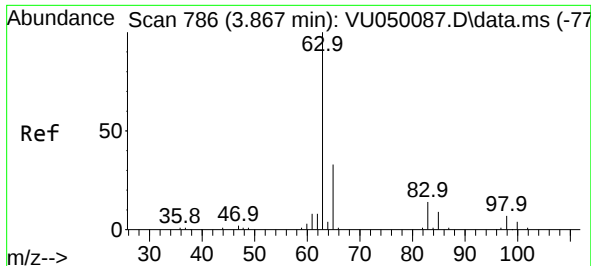
Tgt Ion: 43 Resp: 695

Ion Ratio Lower Upper

43 100

74 0.0 22.7 34.1#





#19

1,1-Dichloroethane

Concen: 0.419 ug/L

RT: 3.874 min Scan# 71

Delta R.T. 0.006 min

Lab File: VU050103.D

Acq: 05 Aug 2022 17:54

Instrument :

MSVOA\_U

ClientSampleId :

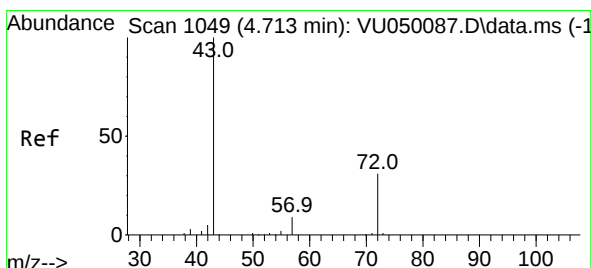
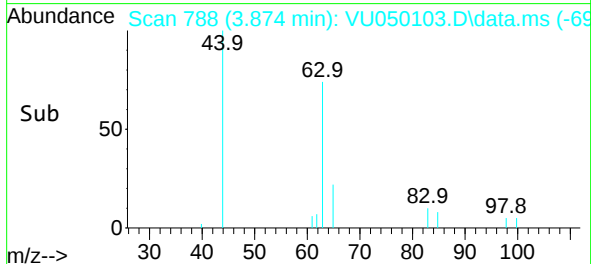
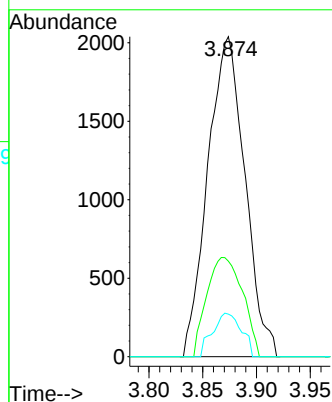
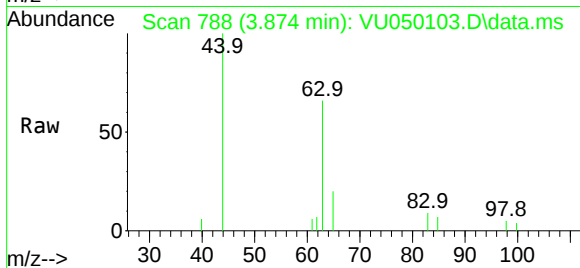
Tgt Ion: 63 Resp: 4897

Ion Ratio Lower Upper

63 100

65 29.9 22.7 42.3

83 13.3 9.8 18.2



#21

2-Butanone

Concen: 1.325 ug/L

RT: 4.716 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU050103.D

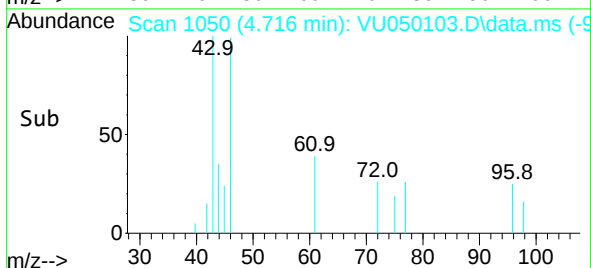
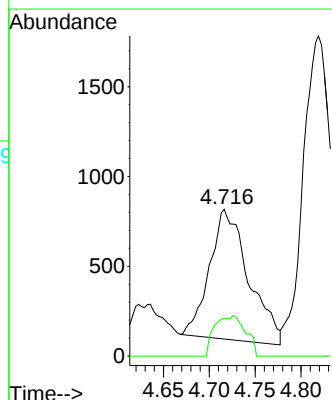
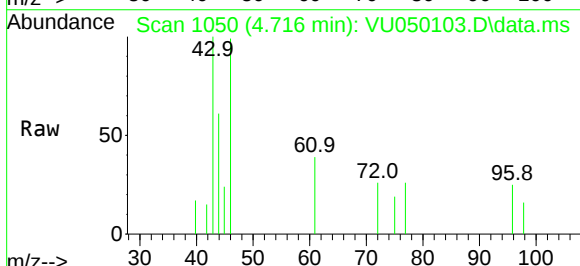
Acq: 05 Aug 2022 17:54

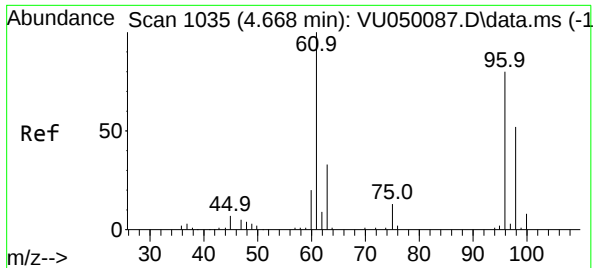
Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

43 100

72 24.5 14.0 42.0





#22

cis-1,2-Dichloroethene

Concen: 2.548 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU050103.D

Acq: 05 Aug 2022 17:54

Instrument :

MSVOA\_U

ClientSampleId :

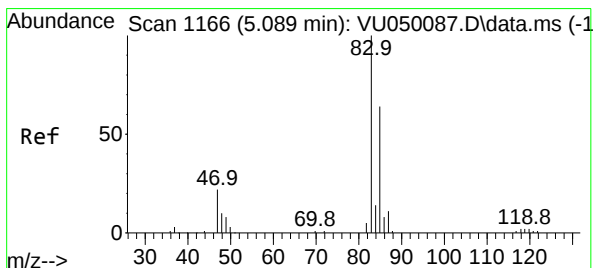
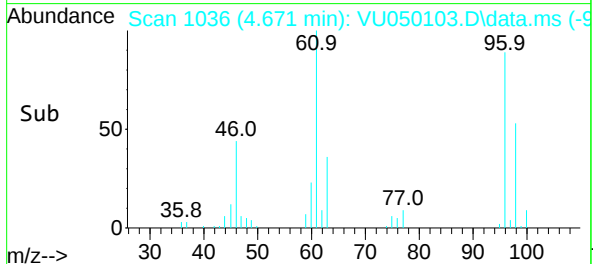
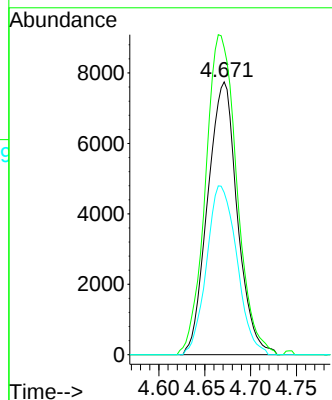
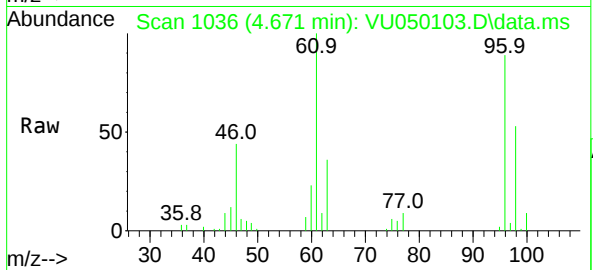
Tgt Ion: 96 Resp: 17462

Ion Ratio Lower Upper

96 100

61 112.5 89.0 165.4

98 59.4 45.2 84.0



#25

Chloroform

Concen: 0.373 ug/L

RT: 5.096 min Scan# 1168

Delta R.T. 0.006 min

Lab File: VU050103.D

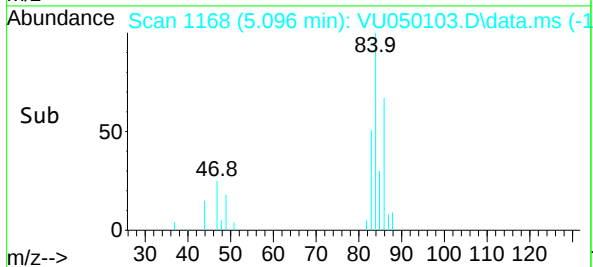
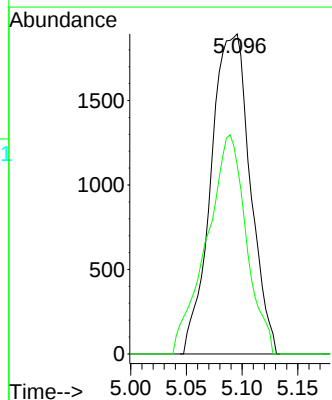
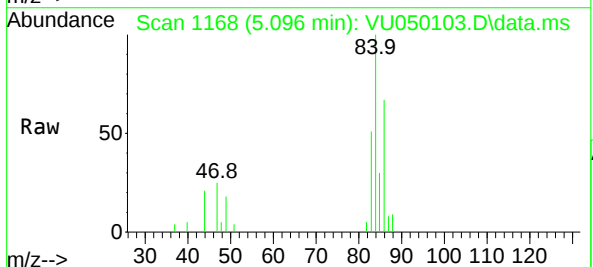
Acq: 05 Aug 2022 17:54

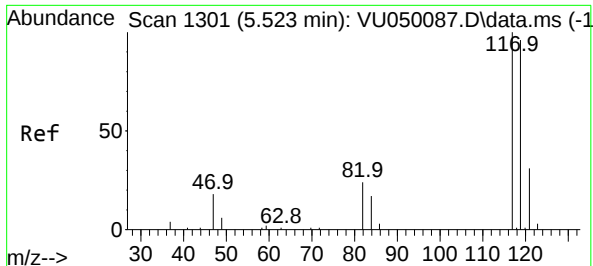
Tgt Ion: 83 Resp: 4644

Ion Ratio Lower Upper

83 100

85 59.0 46.1 85.5

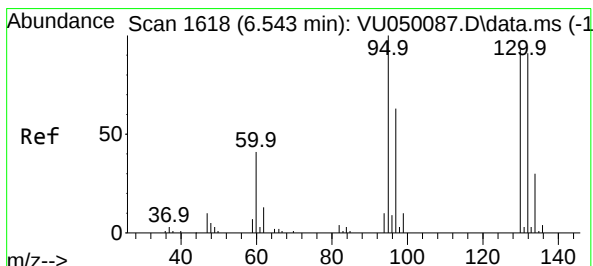
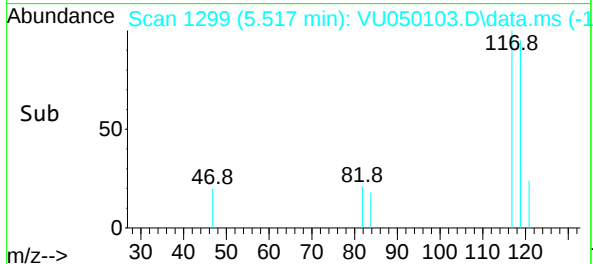
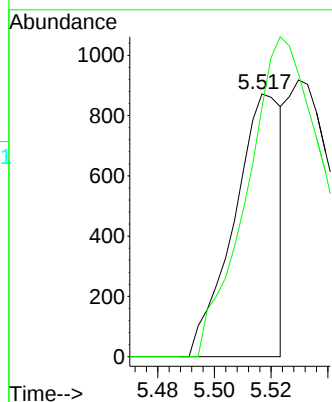
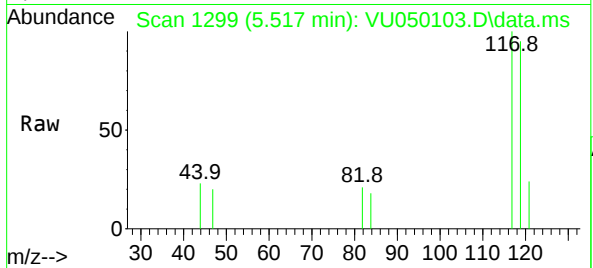




#31  
Carbon tetrachloride  
Concen: 0.124 ug/L  
RT: 5.517 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VU050103.D  
Acq: 05 Aug 2022 17:54

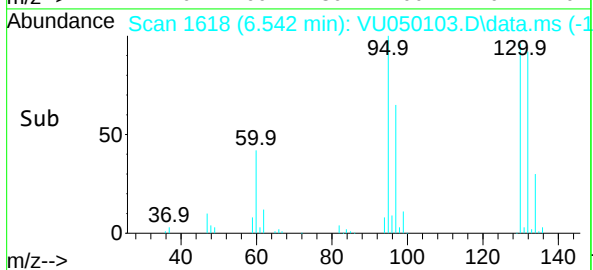
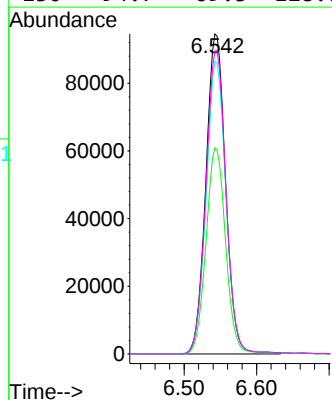
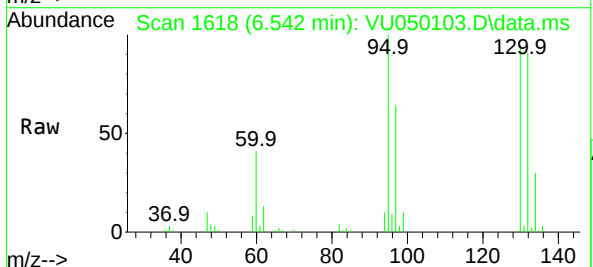
Instrument :  
MSVOA\_U  
ClientSampleId :

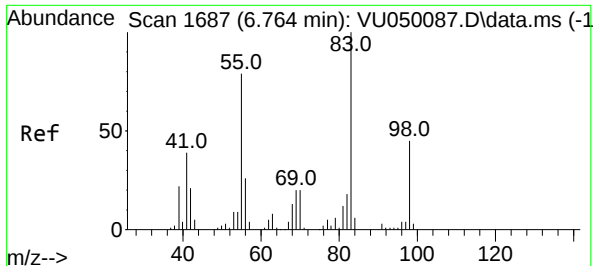
Tgt Ion:117 Resp: 1012  
Ion Ratio Lower Upper  
117 100  
119 202.3 76.0 114.0#



#34  
Trichloroethene  
Concen: 26.037 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU050103.D  
Acq: 05 Aug 2022 17:54

Tgt Ion: 95 Resp: 178362  
Ion Ratio Lower Upper  
95 100  
97 64.4 45.6 84.8  
132 91.4 65.0 120.6  
130 94.7 69.3 128.7





#35

Methylcyclohexane

Concen: 1.122 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.071 min

Lab File: VU050103.D

Acq: 05 Aug 2022 17:54

Instrument :

MSVOA\_U

ClientSampleId :

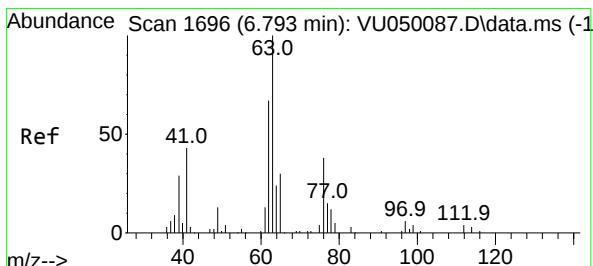
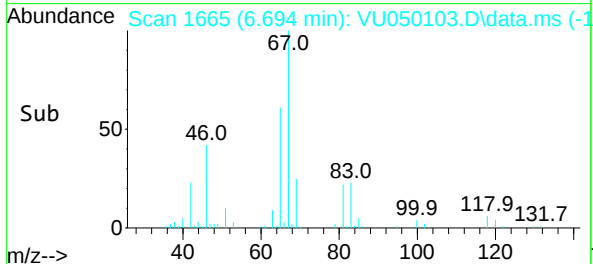
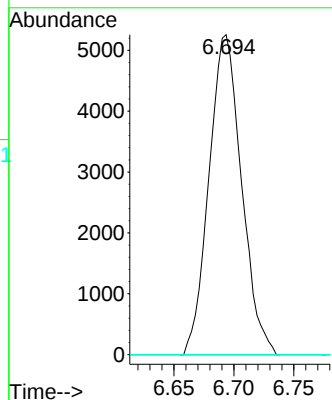
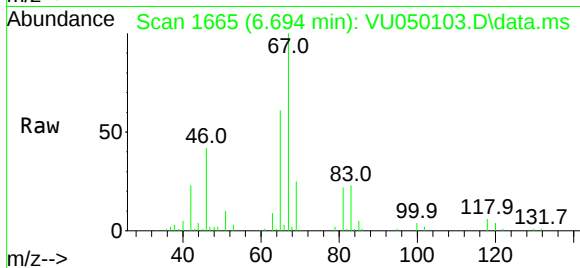
Tgt Ion: 83 Resp: 9919

Ion Ratio Lower Upper

83 100

55 0.0 62.7 94.1#

98 3.4 36.2 54.2#



#37

1,2-Dichloropropane

Concen: 0.550 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.100 min

Lab File: VU050103.D

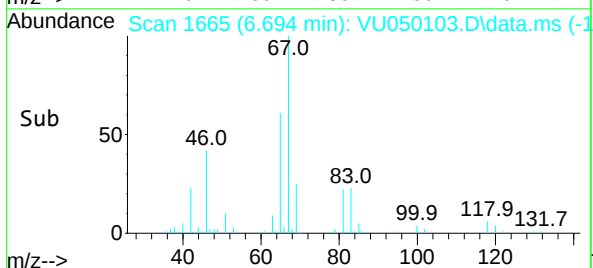
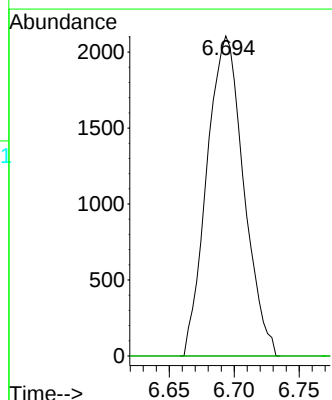
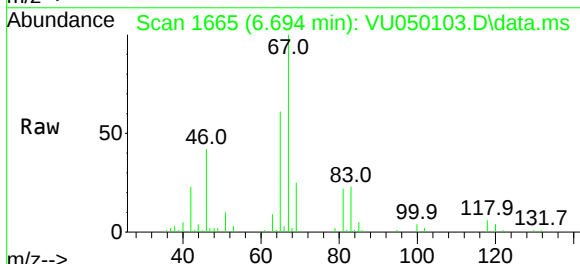
Acq: 05 Aug 2022 17:54

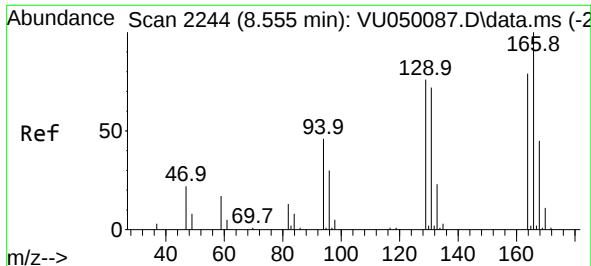
Tgt Ion: 63 Resp: 4147

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#





#47

Tetrachloroethene

Concen: 0.382 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.003 min

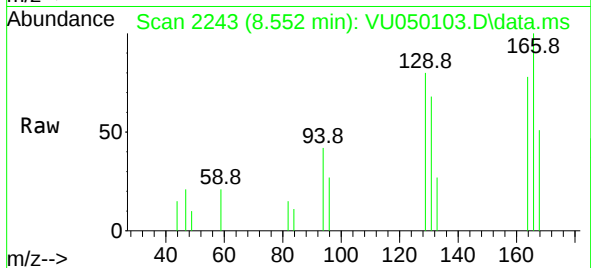
Lab File: VU050103.D

Acq: 05 Aug 2022 17:54

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion:164 Resp: 1877

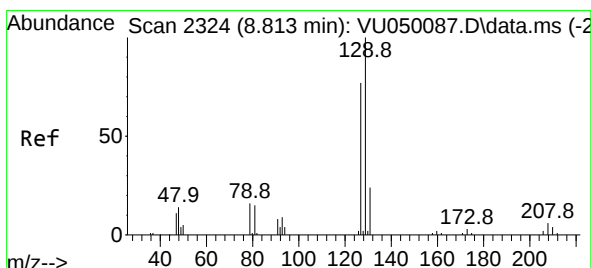
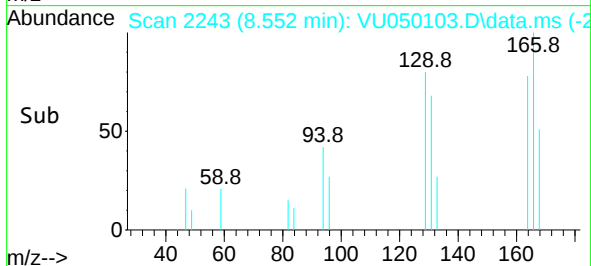
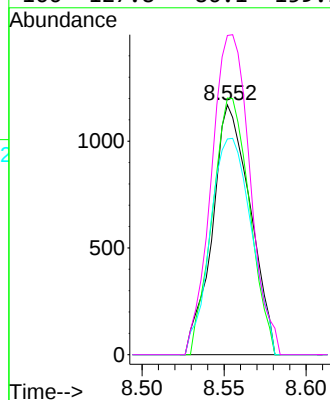
Ion Ratio Lower Upper

164 100

129 102.7 69.0 128.1

131 86.3 65.8 122.2

166 127.8 86.1 159.9



#49

Dibromochloromethane

Concen: 0.302 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. -0.261 min

Lab File: VU050103.D

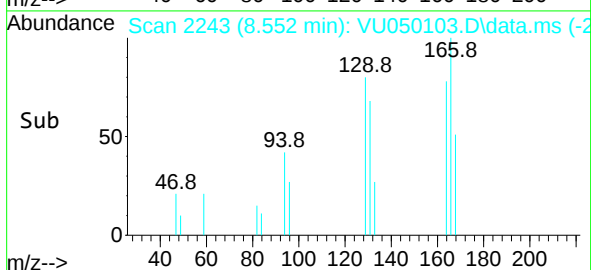
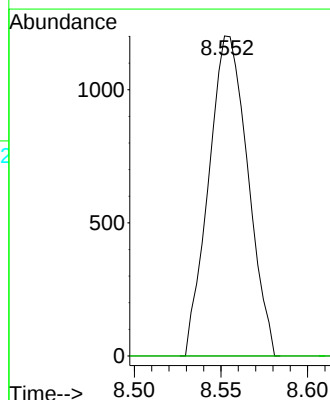
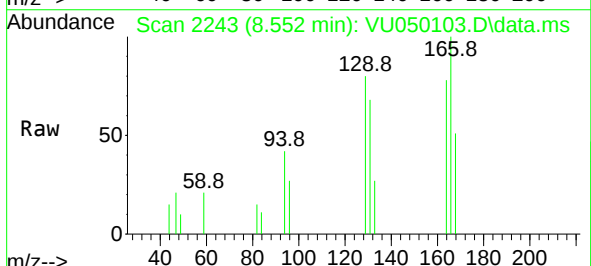
Acq: 05 Aug 2022 17:54

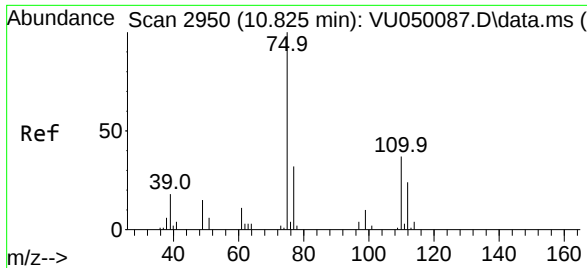
Tgt Ion:129 Resp: 1888

Ion Ratio Lower Upper

129 100

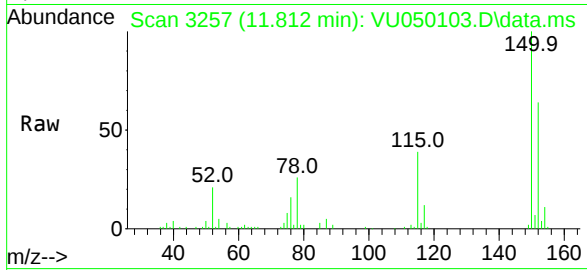
127 0.0 55.3 102.7#





#61  
1,2,3-Trichloropropane  
Concen: 0.891 ug/L  
RT: 11.812 min Scan# 31  
Delta R.T. 0.987 min  
Lab File: VU050103.D  
Acq: 05 Aug 2022 17:54

Instrument :  
MSVOA\_U  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 0.6   | 28.5  | 42.7# |
| 77      | 27.5  | 25.8  | 38.6  |

