

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042523\  
 Data File : VU053891.D  
 Acq On : 25 Apr 2023 18:03  
 Operator : JC/MD  
 Sample : 02433-18  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE53

Quant Time: Apr 26 05:14:23 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 26 05:09:52 2023  
 Response via : Initial Calibration

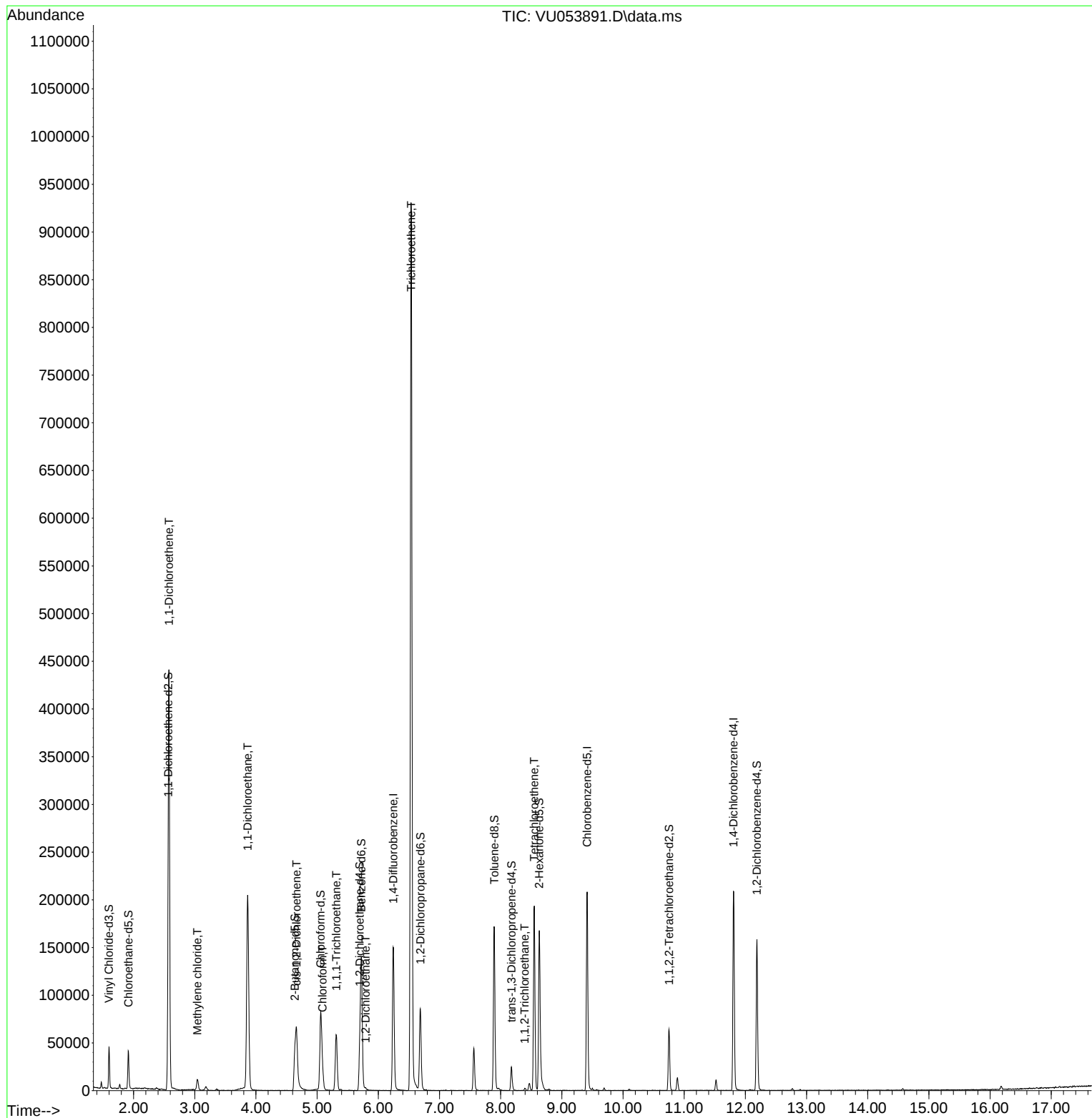
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 133329   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 124231   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806 | 152   | 59590    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 32567    | 4.010    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.200%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 30167    | 4.426    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 14188    | 4.245    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.000%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 75179    | 50.543   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 101.080% |
| 24) Chloroform-d              | 5.057  | 84    | 70248    | 4.590    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.697  | 65    | 33548    | 4.744    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.800%  |
| 32) Benzene-d6                | 5.723  | 84    | 138880   | 4.745    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 42028    | 4.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.000%  |
| 41) Toluene-d8                | 7.896  | 98    | 122624   | 4.490    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.800%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 15020    | 4.314    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 62687    | 50.871   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 101.740% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 33410    | 4.670    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 93.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 44771    | 4.684    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 93.600%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 142311   | 16.970   | ug/L # | 83       |
| 16) Methylene chloride        | 3.041  | 84    | 5713     | 0.499    | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.864  | 63    | 233790   | 15.244   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 23449    | 2.453    | ug/L   | 94       |
| 25) Chloroform                | 5.086  | 83    | 19416    | 1.166    | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 5.793  | 62    | 1371     | 0.144    | ug/L # | 81       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97    | 44174    | 3.163    | ug/L   | 96       |
| 34) Trichloroethene           | 6.536  | 95    | 316034   | 33.119   | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.395  | 97    | 772      | 0.119    | ug/L   | 92       |
| 47) Tetrachloroethene         | 8.549  | 164   | 43846    | 5.797    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

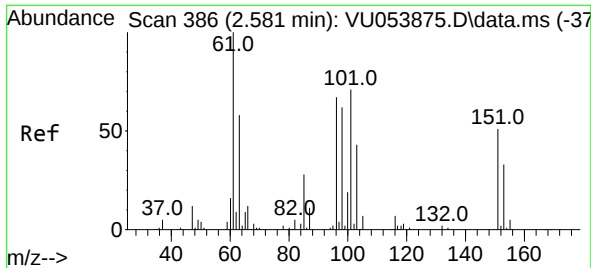
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Apr 26 05:09:52 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 16.970 ug/L

RT: 2.578 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA\_U

ClientSampleId :

BHE53

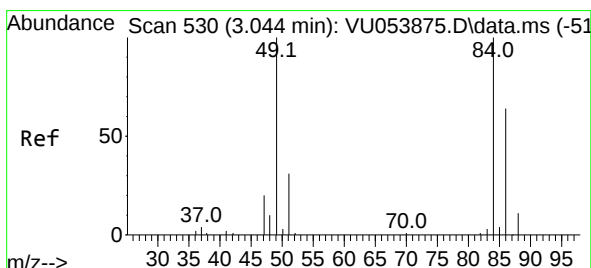
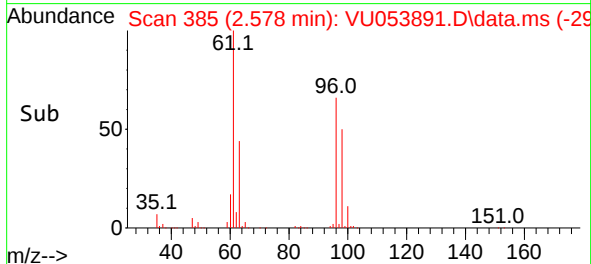
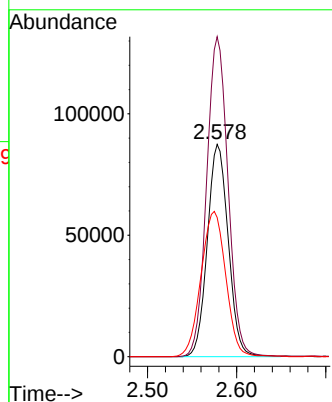
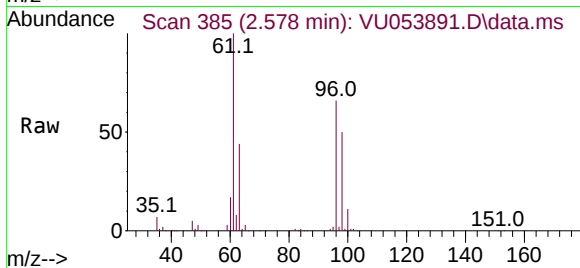
Tgt Ion: 96 Resp: 142311

Ion Ratio Lower Upper

96 100

61 150.7 111.5 207.1

63 65.6 68.7 127.7#



#16

Methylene chloride

Concen: 0.499 ug/L

RT: 3.041 min Scan# 529

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

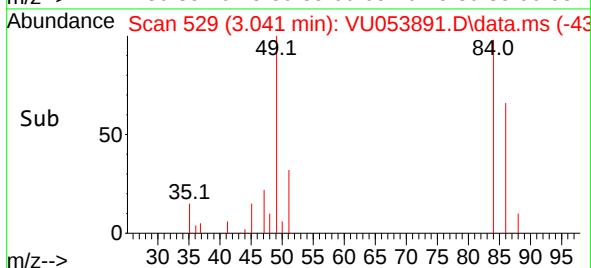
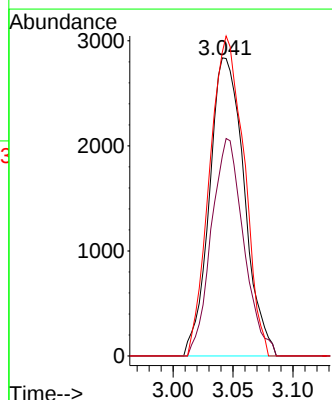
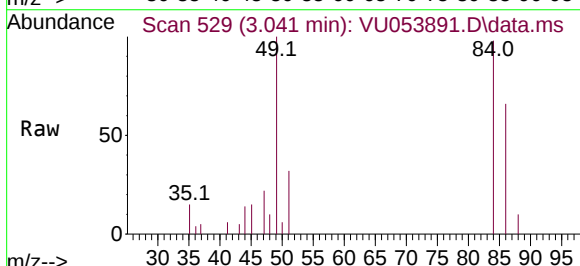
Tgt Ion: 84 Resp: 5713

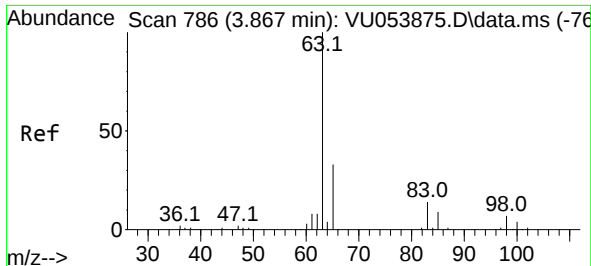
Ion Ratio Lower Upper

84 100

86 66.9 45.0 83.6

49 101.9 74.8 138.8





#19

1,1-Dichloroethane

Concen: 15.244 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA\_U

ClientSampleId :

BHE53

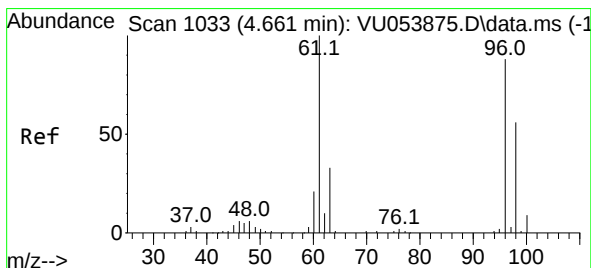
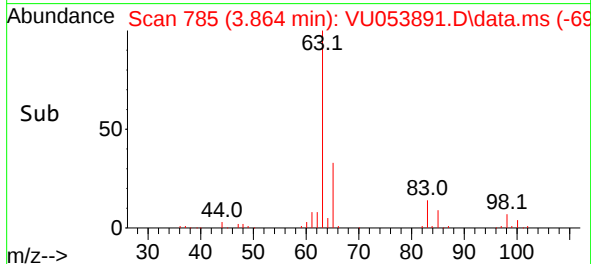
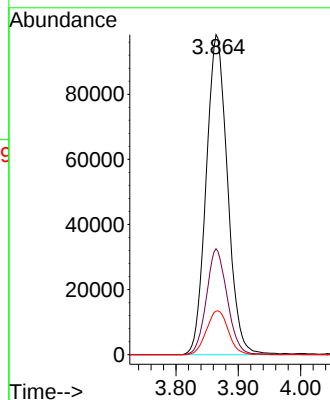
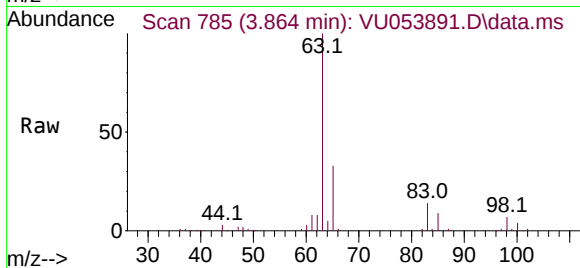
Tgt Ion: 63 Resp: 233790

Ion Ratio Lower Upper

63 100

65 33.1 22.0 40.8

83 13.6 10.3 19.1



#22

cis-1,2-Dichloroethene

Concen: 2.453 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

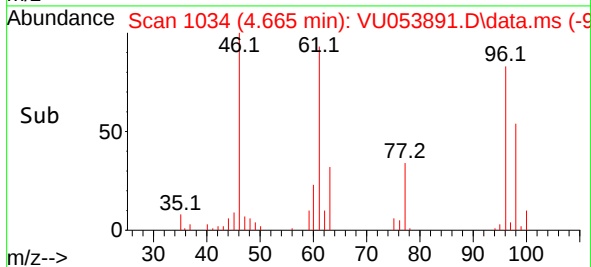
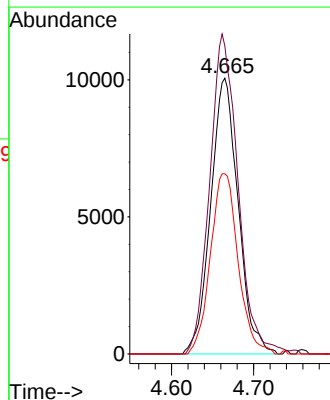
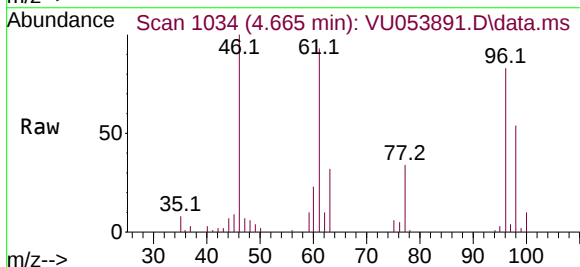
Tgt Ion: 96 Resp: 23449

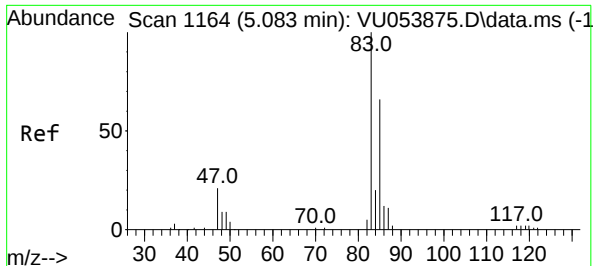
Ion Ratio Lower Upper

96 100

61 111.7 84.3 156.5

98 65.3 46.4 86.2





#25

Chloroform

Concen: 1.166 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA\_U

ClientSampleId :

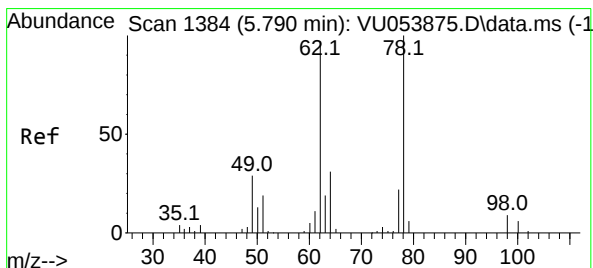
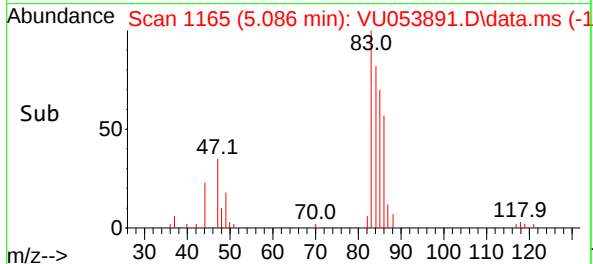
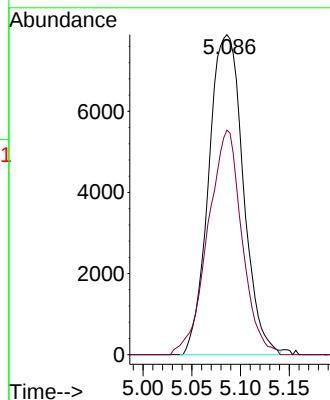
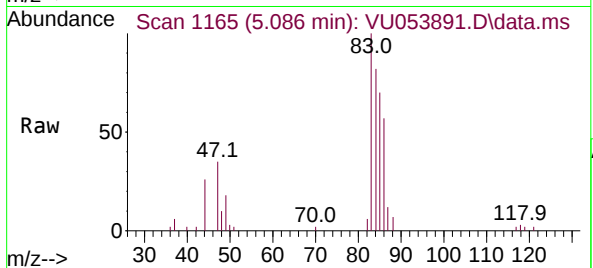
BHE53

Tgt Ion: 83 Resp: 19416

Ion Ratio Lower Upper

83 100

85 70.2 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.144 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053891.D

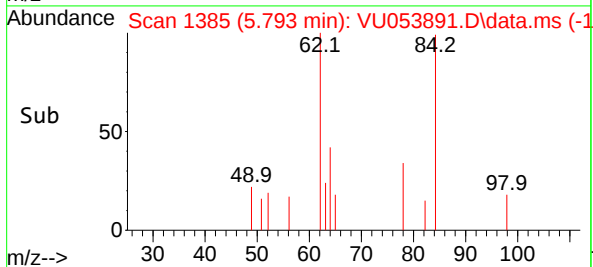
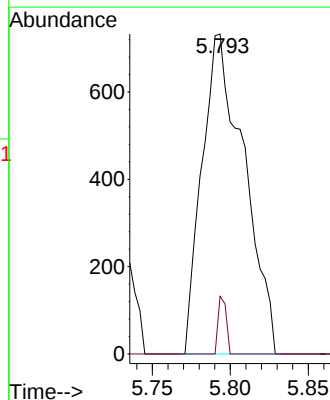
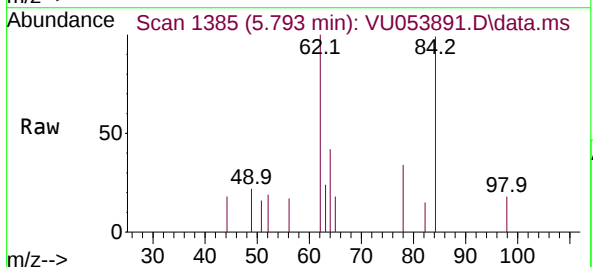
Acq: 25 Apr 2023 18:03

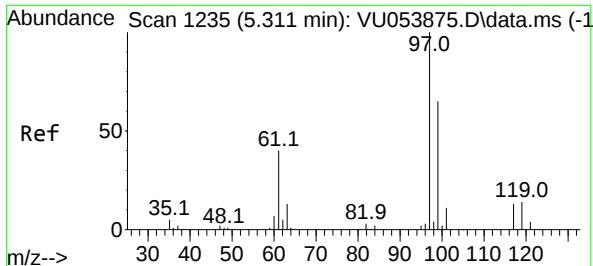
Tgt Ion: 62 Resp: 1371

Ion Ratio Lower Upper

62 100

98 18.0 8.7 13.1#





#29

1,1,1-Trichloroethane

Concen: 3.163 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Instrument :

MSVOA\_U

ClientSampleId :

BHE53

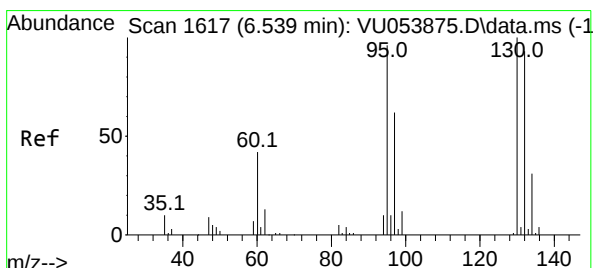
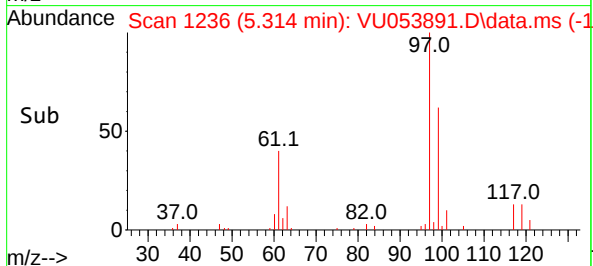
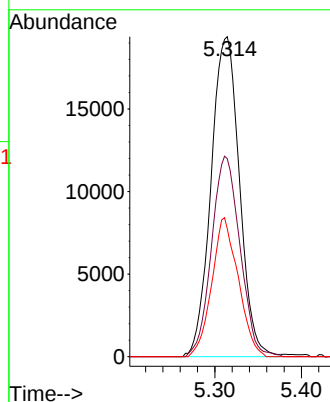
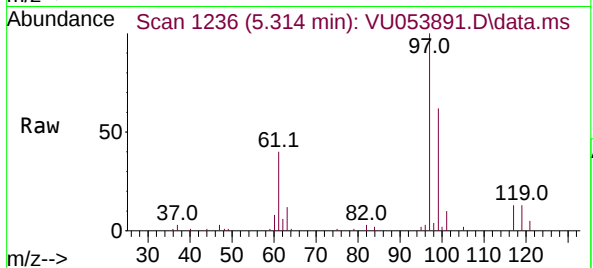
Tgt Ion: 97 Resp: 44174

Ion Ratio Lower Upper

97 100

99 62.7 52.9 79.3

61 40.4 33.8 50.8



#34

Trichloroethene

Concen: 33.119 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053891.D

Acq: 25 Apr 2023 18:03

Tgt Ion: 95 Resp: 316034

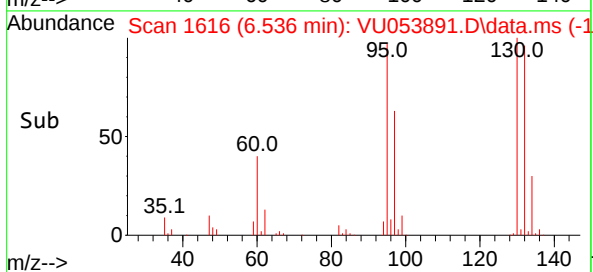
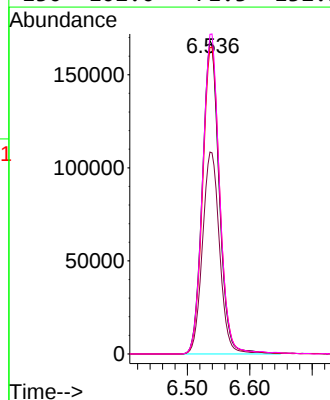
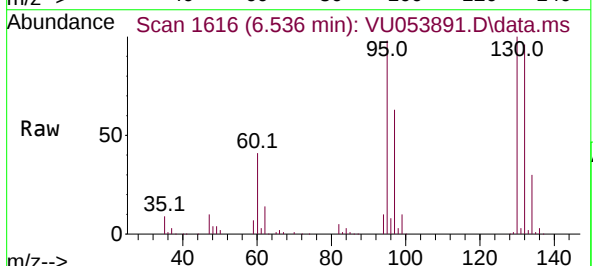
Ion Ratio Lower Upper

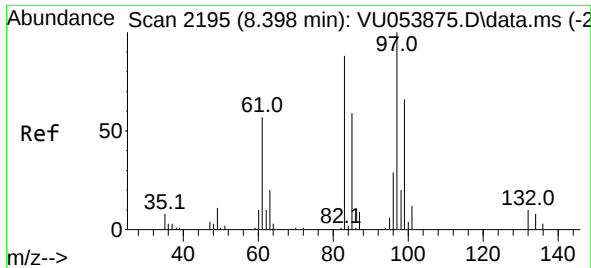
95 100

97 64.5 45.1 83.9

132 97.8 69.9 129.9

130 102.0 71.3 132.3

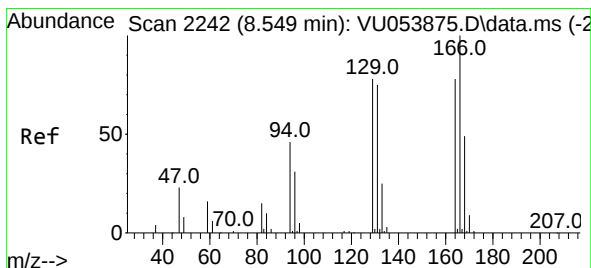
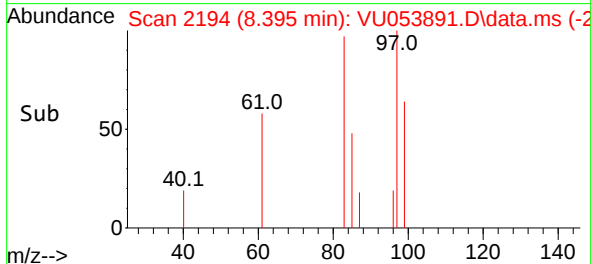
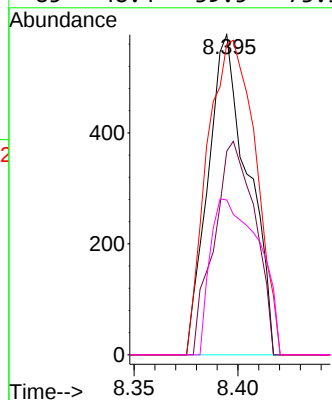
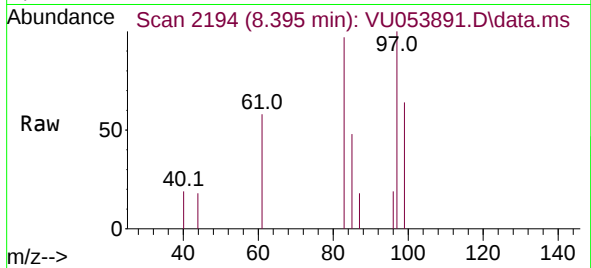




#45  
1,1,2-Trichloroethane  
Concen: 0.119 ug/L  
RT: 8.395 min Scan# 2195  
Delta R.T. -0.003 min  
Lab File: VU053891.D  
Acq: 25 Apr 2023 18:03

Instrument :  
MSVOA\_U  
ClientSampleId :  
BHE53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 772   |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 63.6  | 44.7  | 83.1  |
| 83       | 97.1  | 59.8  | 111.1 |
| 85       | 48.4  | 39.5  | 73.3  |



#47  
Tetrachloroethene  
Concen: 5.797 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. 0.000 min  
Lab File: VU053891.D  
Acq: 25 Apr 2023 18:03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 43846 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 99.6  | 68.3  | 126.8 |
| 131      | 87.8  | 64.4  | 119.6 |
| 166      | 124.6 | 88.3  | 163.9 |

