

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042423\  
 Data File : VU053847.D  
 Acq On : 24 Apr 2023 17:19  
 Operator : JC/MD  
 Sample : 02392-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BHE34

Quant Time: Apr 25 05:03:35 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR042423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 25 05:01:02 2023  
 Response via : Initial Calibration

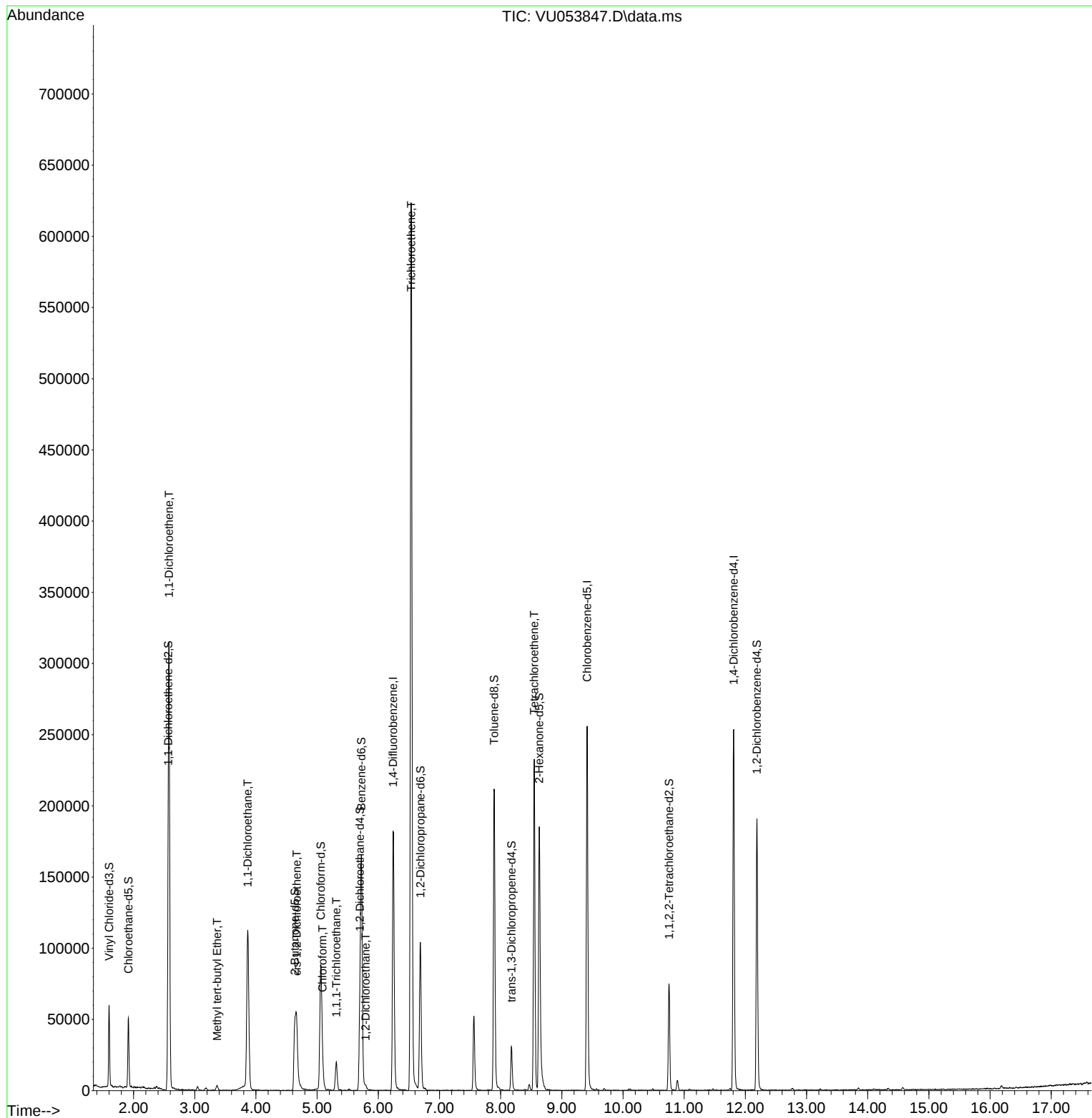
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114   | 159955   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 154122   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 74385    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 43724    | 4.488    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 89.800%  |
| 7) Chloroethane-d5            | 1.916  | 69    | 36336    | 4.444    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 88.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 18227    | 4.546    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 91.000%  |
| 20) 2-Butanone-d5             | 4.636  | 46    | 83145    | 46.594   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 93.180%  |
| 24) Chloroform-d              | 5.060  | 84    | 82277    | 4.482    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 89.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 38939    | 4.589    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 91.800%  |
| 32) Benzene-d6                | 5.723  | 84    | 167156   | 4.604    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 92.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 51805    | 4.716    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 94.400%  |
| 41) Toluene-d8                | 7.893  | 98    | 153045   | 4.517    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 90.400%  |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79    | 18822    | 4.357    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 87.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 70734    | 46.268   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 92.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 39108    | 4.406    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 88.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 53983    | 4.525    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 90.400%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 92996    | 9.243    | ug/L  | 91       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 3373     | 0.155    | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.864  | 63    | 131537   | 7.149    | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 17755    | 1.548    | ug/L  | 91       |
| 25) Chloroform                | 5.086  | 83    | 16143    | 0.808    | ug/L  | 97       |
| 27) 1,2-Dichloroethane        | 5.793  | 62    | 1995     | 0.174    | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97    | 14314    | 0.826    | ug/L  | 98       |
| 34) Trichloroethene           | 6.536  | 95    | 214583   | 18.126   | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.549  | 164   | 50704    | 5.404    | ug/L  | 99       |
| -----                         |        |       |          |          |       |          |

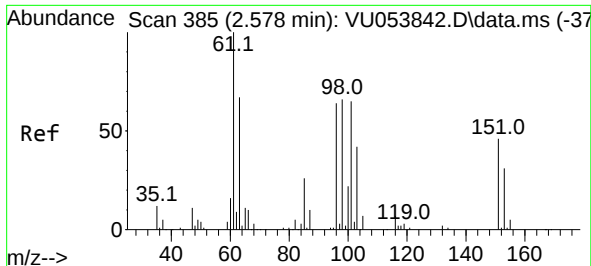
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Apr 25 05:01:02 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 9.243 ug/L

RT: 2.578 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Instrument :

MSVOA\_U

ClientSampleId :

BHE34

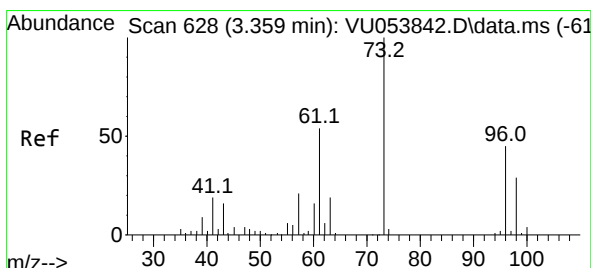
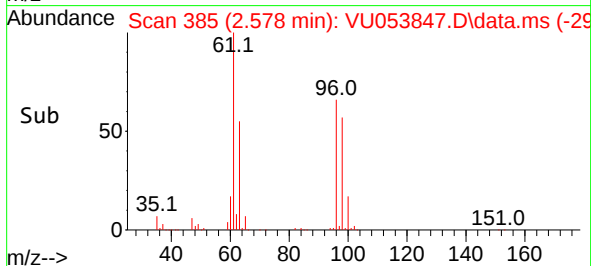
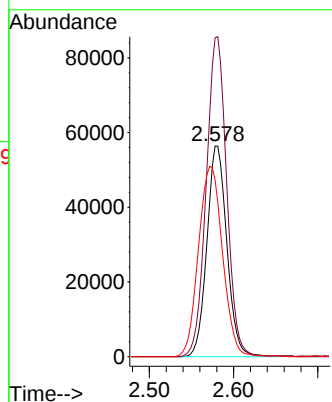
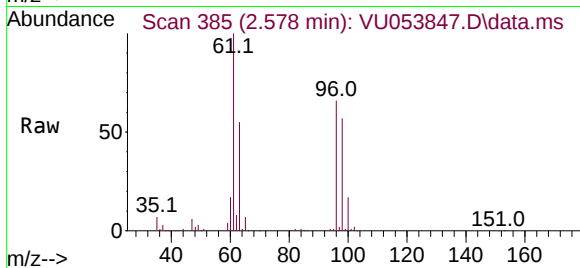
Tgt Ion: 96 Resp: 92996

Ion Ratio Lower Upper

96 100

61 151.4 111.5 207.1

63 84.0 68.7 127.7



#17

Methyl tert-butyl Ether

Concen: 0.155 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.007 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

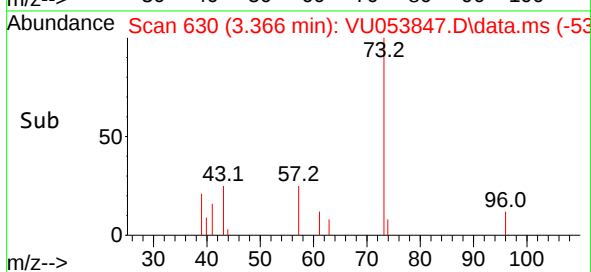
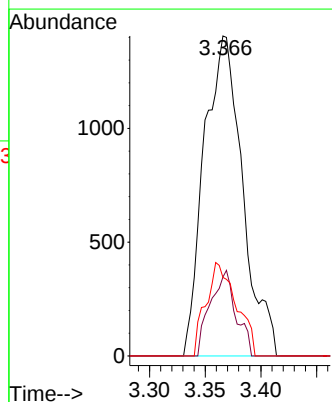
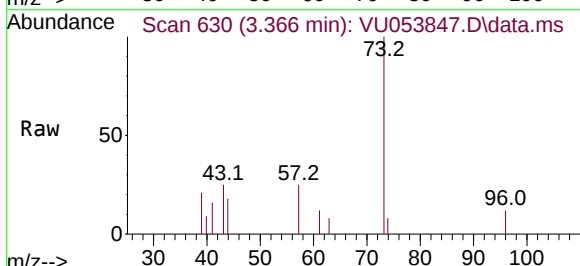
Tgt Ion: 73 Resp: 3373

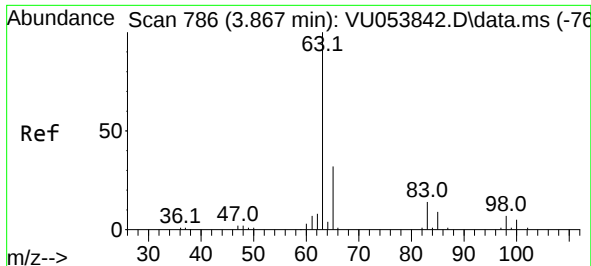
Ion Ratio Lower Upper

73 100

43 17.8 13.4 20.2

57 23.1 17.2 25.8

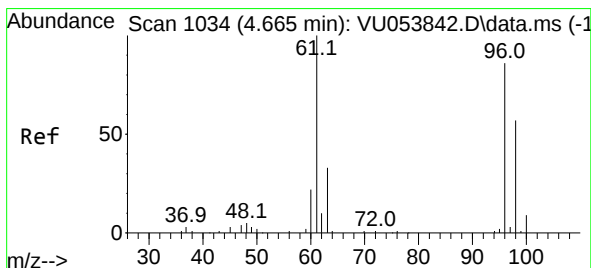
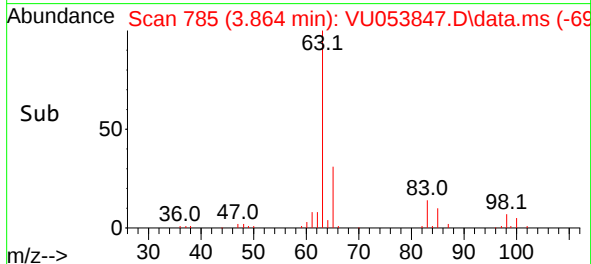
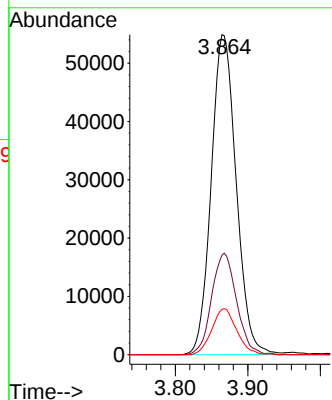
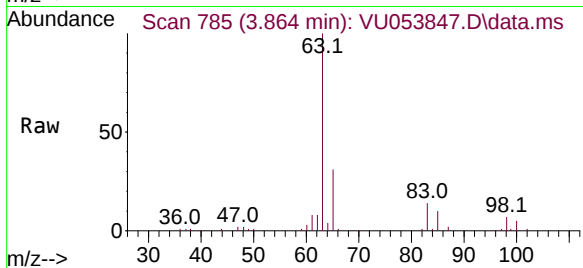




#19  
1,1-Dichloroethane  
Concen: 7.149 ug/L  
RT: 3.864 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VU053847.D  
Acq: 24 Apr 2023 17:19

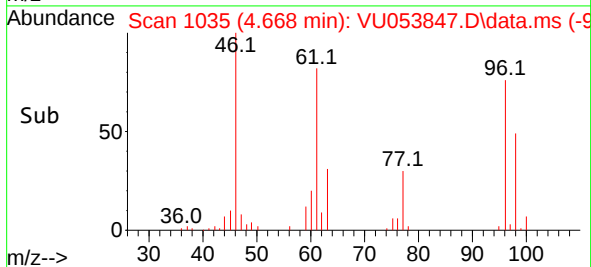
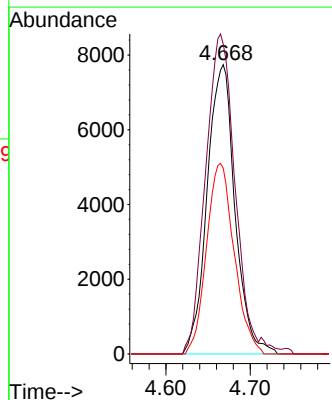
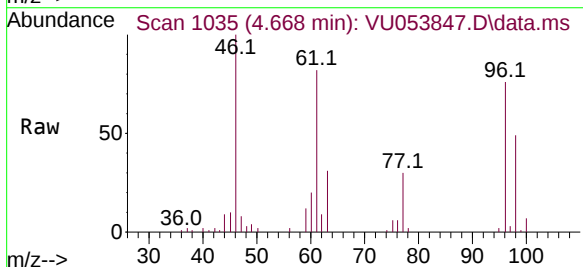
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MSVOA\_U  
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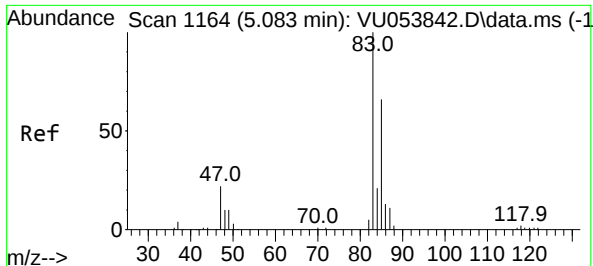
Tgt Ion: 63 Resp: 131537  
Ion Ratio Lower Upper  
63 100  
65 31.1 22.0 40.8  
83 14.2 10.3 19.1



#22  
cis-1,2-Dichloroethene  
Concen: 1.548 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. 0.003 min  
Lab File: VU053847.D  
Acq: 24 Apr 2023 17:19

Tgt Ion: 96 Resp: 17755  
Ion Ratio Lower Upper  
96 100  
61 107.2 84.3 156.5  
98 64.2 46.4 86.2





#25

Chloroform

Concen: 0.808 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Instrument :

MSVOA\_U

ClientSampleId :

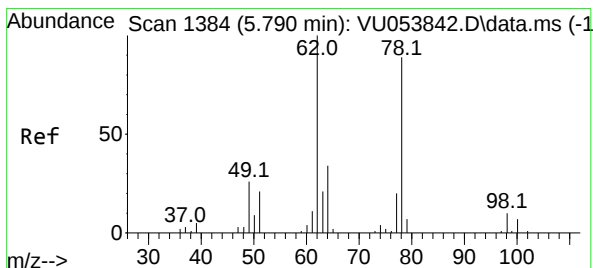
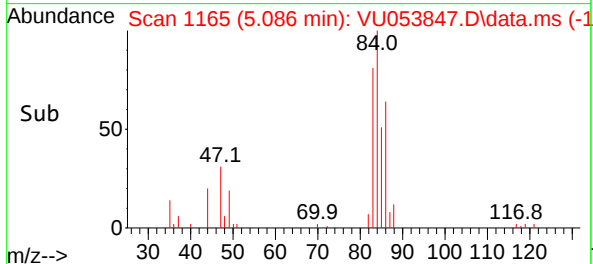
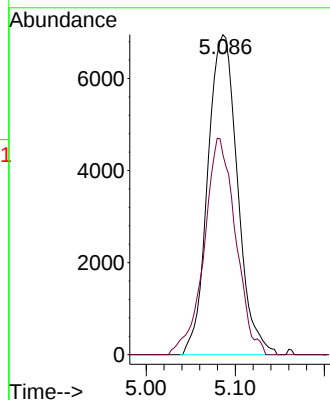
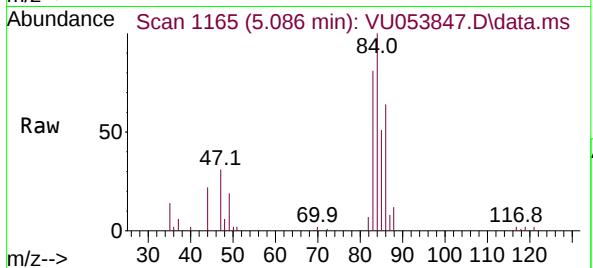
BHE34

Tgt Ion: 83 Resp: 16143

Ion Ratio Lower Upper

83 100

85 62.5 45.6 84.8



#27

1,2-Dichloroethane

Concen: 0.174 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VU053847.D

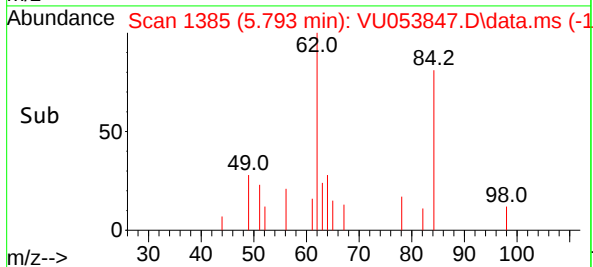
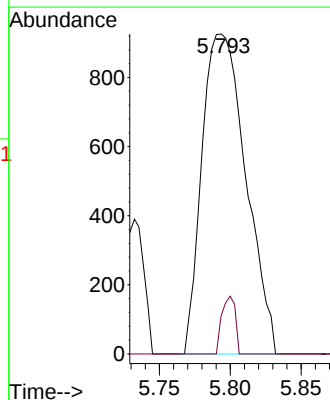
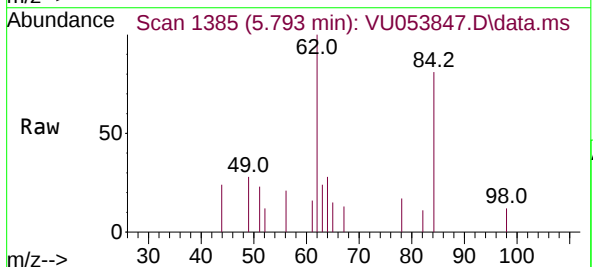
Acq: 24 Apr 2023 17:19

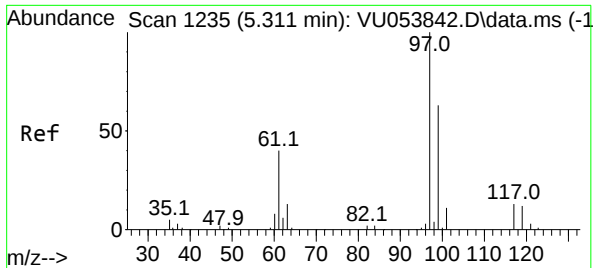
Tgt Ion: 62 Resp: 1995

Ion Ratio Lower Upper

62 100

98 11.8 8.7 13.1





#29

1,1,1-Trichloroethane

Concen: 0.826 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Instrument :

MSVOA\_U

ClientSampleId :

BHE34

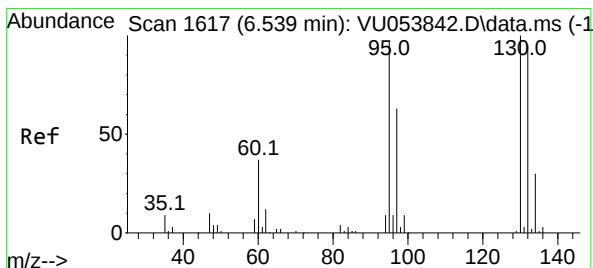
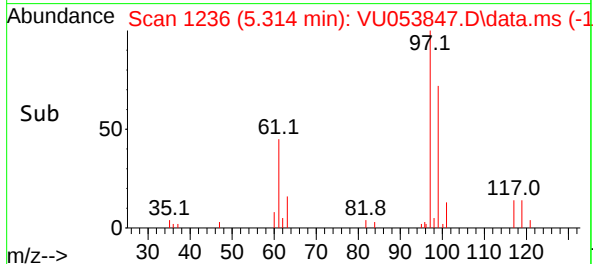
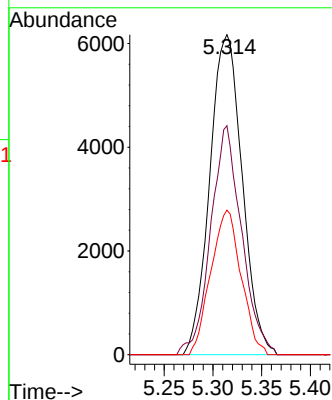
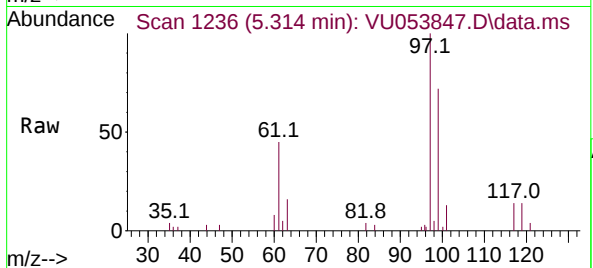
Tgt Ion: 97 Resp: 14314

Ion Ratio Lower Upper

97 100

99 68.1 52.9 79.3

61 42.2 33.8 50.8



#34

Trichloroethene

Concen: 18.126 ug/L

RT: 6.536 min Scan# 1616

Delta R.T. -0.003 min

Lab File: VU053847.D

Acq: 24 Apr 2023 17:19

Tgt Ion: 95 Resp: 214583

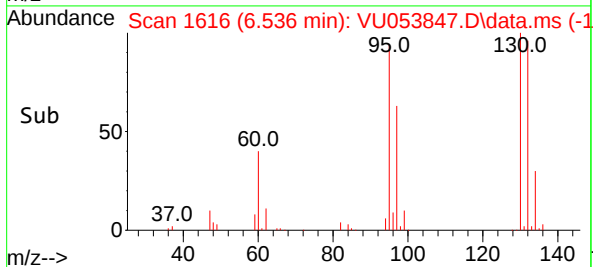
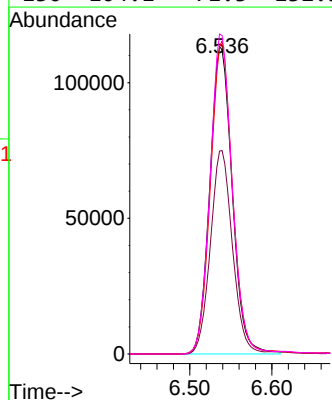
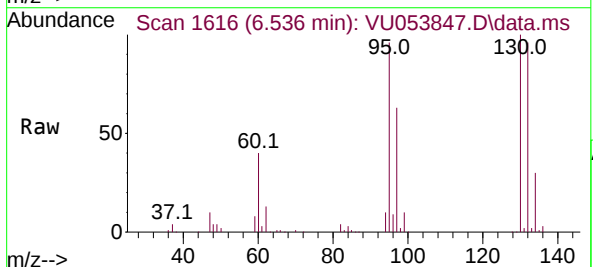
Ion Ratio Lower Upper

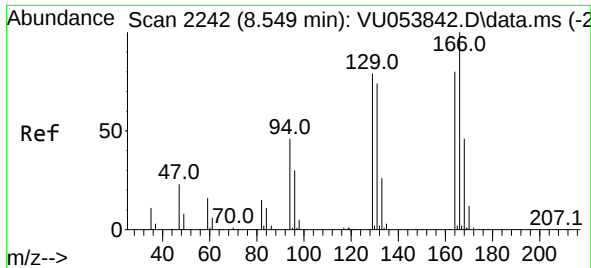
95 100

97 66.0 45.1 83.9

132 100.0 69.9 129.9

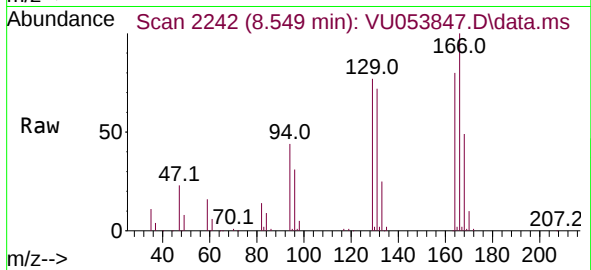
130 104.1 71.3 132.3





#47  
 Tetrachloroethene  
 Concen: 5.404 ug/L  
 RT: 8.549 min Scan# 21  
 Delta R.T. 0.000 min  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 50704 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 96.1  | 68.3  | 126.8 |
| 131      | 90.0  | 64.4  | 119.6 |
| 166      | 124.7 | 88.3  | 163.9 |

