

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052021\  
 Data File : VU043840.D  
 Acq On : 19 May 2021 20:39  
 Operator : SY/MD  
 Sample : M2464-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GB3Y9

Quant Time: May 20 03:57:35 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR051521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 20 03:54:53 2021  
 Response via : Initial Calibration

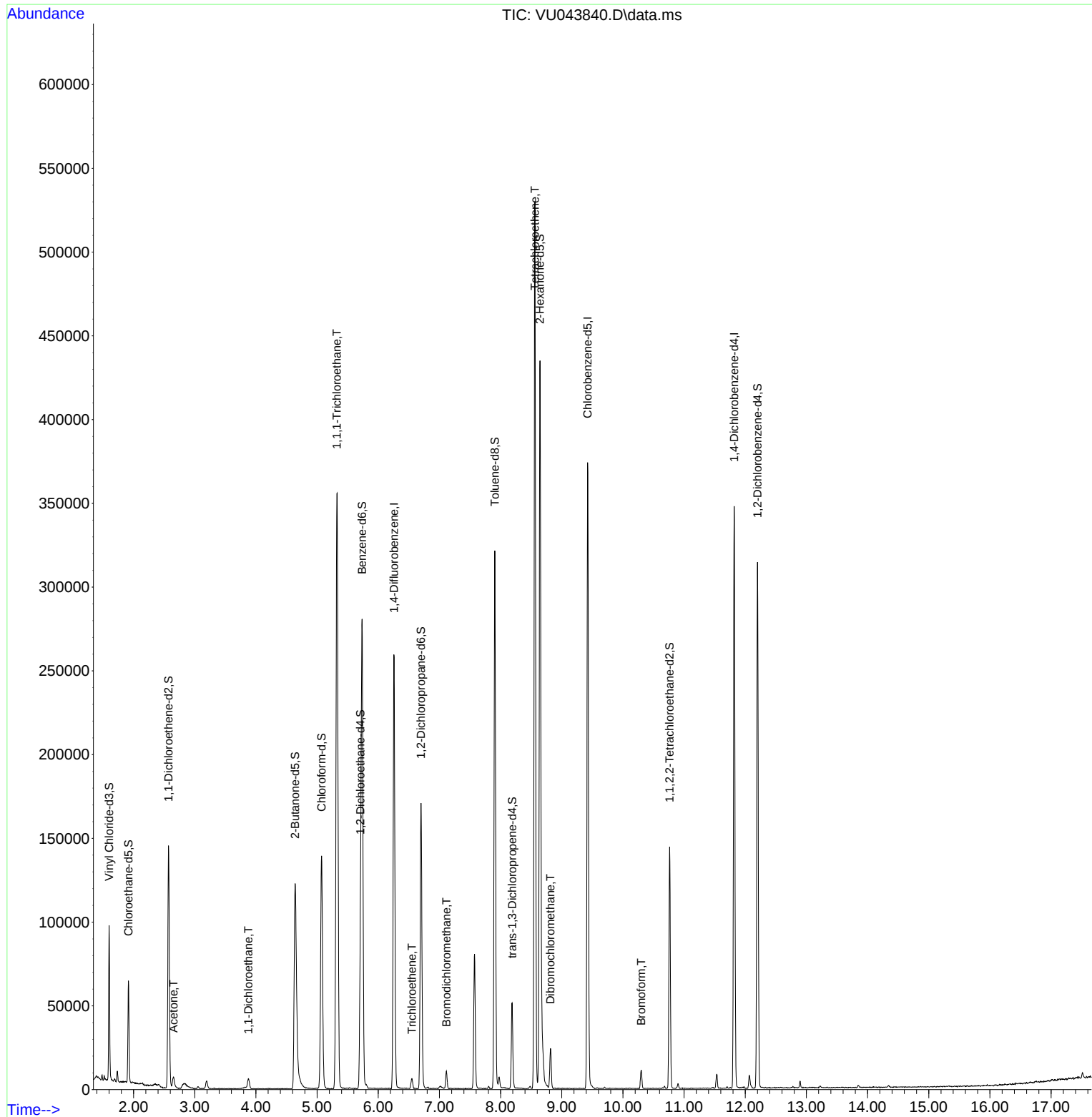
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 212525   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 214368   | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 98679    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 64588    | 4.12     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 82.40%   |
| 7) Chloroethane-d5            | 1.916  | 69    | 43978    | 4.02     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 80.40%   |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 26363    | 4.06     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.20%   |
| 20) 2-Butanone-d5             | 4.642  | 46    | 193365   | 64.90    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 129.80%  |
| 24) Chloroform-d              | 5.073  | 84    | 130002   | 5.10     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 66738    | 5.11     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.20%  |
| 32) Benzene-d6                | 5.735  | 84    | 266942   | 4.90     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.00%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 85279    | 4.92     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.40%   |
| 41) Toluene-d8                | 7.906  | 98    | 219110   | 4.36     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.20%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 29907    | 4.64     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 92.80%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 154774   | 53.35    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 106.70%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 72575    | 5.10     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 102.00%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 87699    | 5.33     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.60%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 2.652  | 43    | 9226     | 4.88     | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 6753     | 0.25     | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97    | 264094   | 11.81    | ug/L   | 98       |
| 34) Trichloroethene           | 6.549  | 95    | 2060     | 0.13     | ug/L   | 95       |
| 38) Bromodichloromethane      | 7.115  | 83    | 7224     | 0.38     | ug/L   | 91       |
| 47) Tetrachloroethene         | 8.562  | 164   | 124146   | 9.65     | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.816  | 129   | 12991    | 1.00     | ug/L   | 96       |
| 59) Bromoform                 | 10.298 | 173   | 5504     | 0.83     | ug/L   | 95       |
| -----                         |        |       |          |          |        |          |

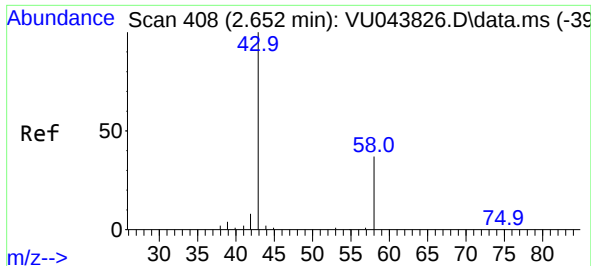
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu May 20 03:54:53 2021  
Response via : Initial Calibration

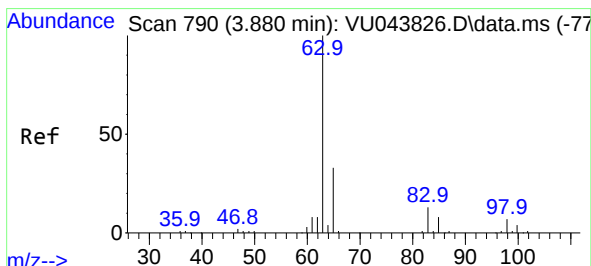
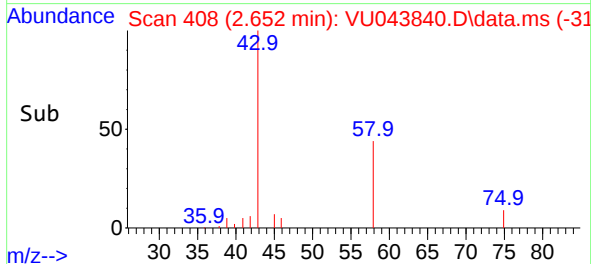
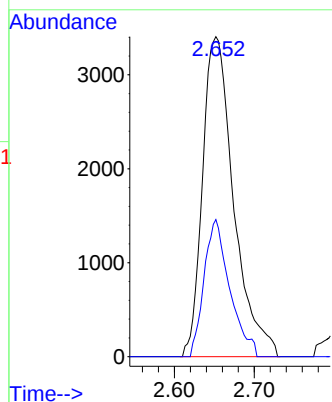
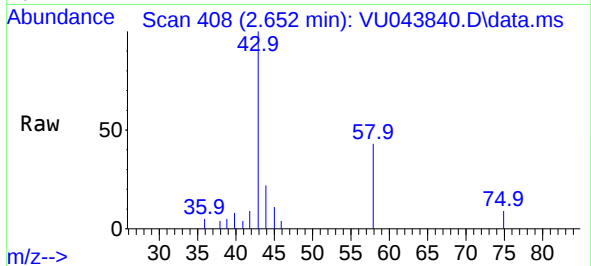




#13  
Acetone  
Concen: 4.88 ug/L  
RT: 2.652 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VU043840.D  
Acq: 19 May 2021 20:39

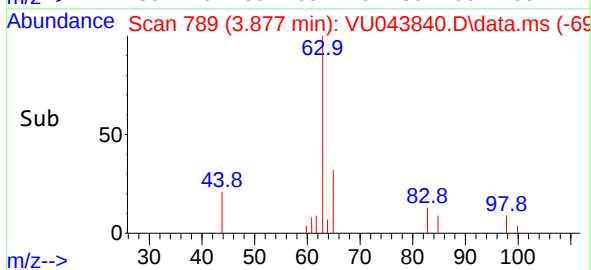
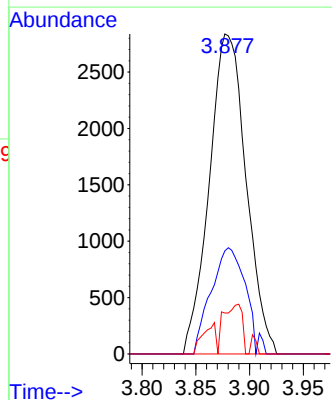
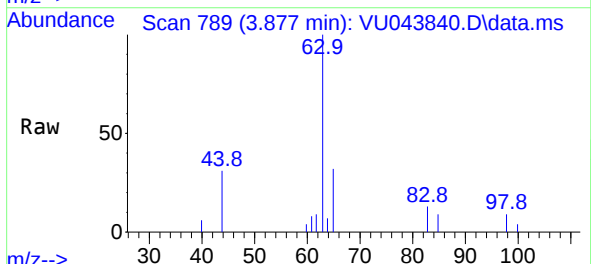
Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y9

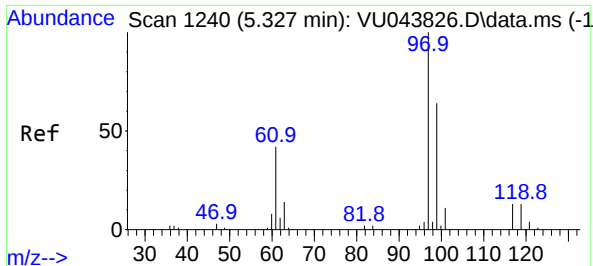
Tgt Ion: 43 Resp: 9226  
Ion Ratio Lower Upper  
43 100  
58 35.2 0.0 71.6



#19  
1,1-Dichloroethane  
Concen: 0.25 ug/L  
RT: 3.877 min Scan# 789  
Delta R.T. -0.003 min  
Lab File: VU043840.D  
Acq: 19 May 2021 20:39

Tgt Ion: 63 Resp: 6753  
Ion Ratio Lower Upper  
63 100  
65 30.0 22.3 41.3  
83 12.0 9.0 16.8



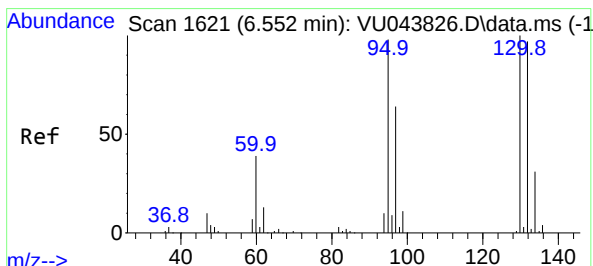
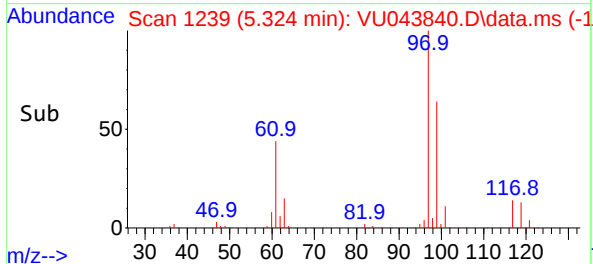
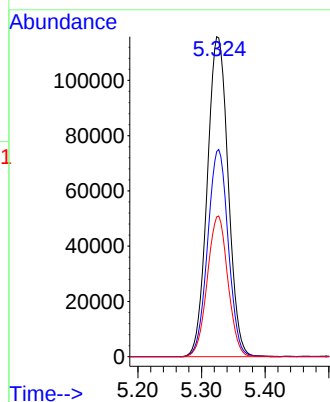
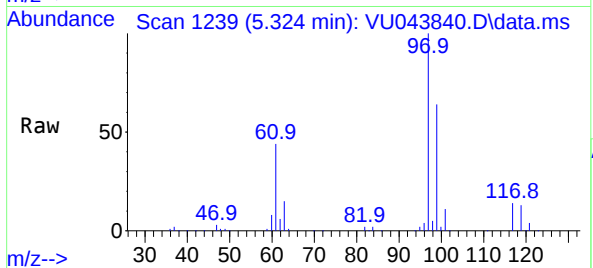


#29  
1,1,1-Trichloroethane  
Concen: 11.81 ug/L  
RT: 5.324 min Scan# 1239  
Delta R.T. -0.003 min  
Lab File: VU043840.D  
Acq: 19 May 2021 20:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
GB3Y9

Tgt Ion: 97 Resp: 264094

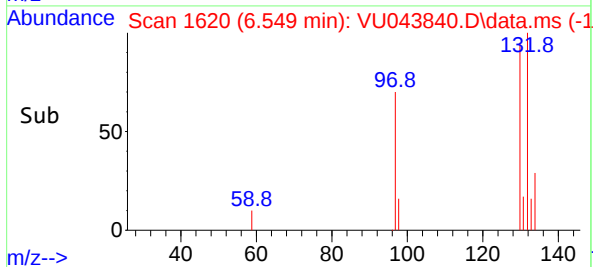
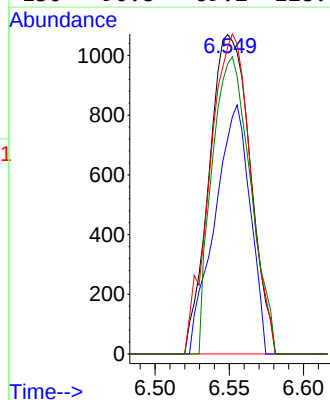
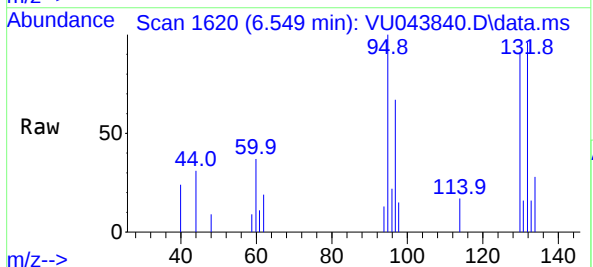
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 64.0  | 51.1  | 76.7  |
| 61  | 43.4  | 37.0  | 55.4  |

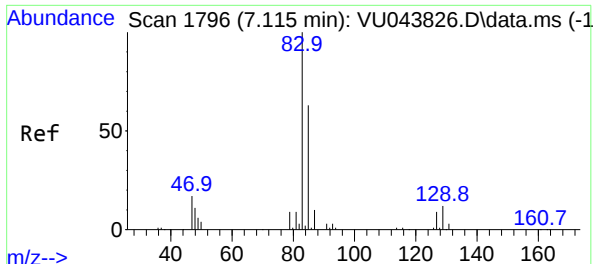


#34  
Trichloroethene  
Concen: 0.13 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. -0.003 min  
Lab File: VU043840.D  
Acq: 19 May 2021 20:39

Tgt Ion: 95 Resp: 2060

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 67.4  | 44.3  | 82.3  |
| 132 | 96.1  | 66.0  | 122.6 |
| 130 | 90.8  | 69.2  | 128.6 |

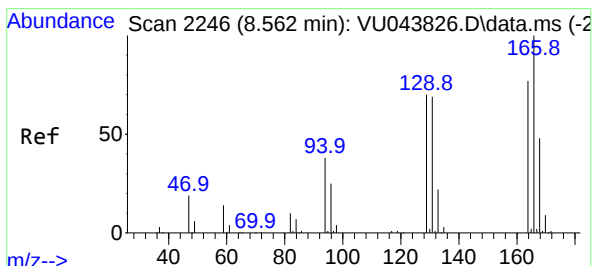
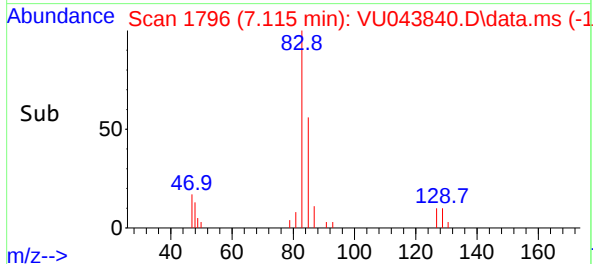
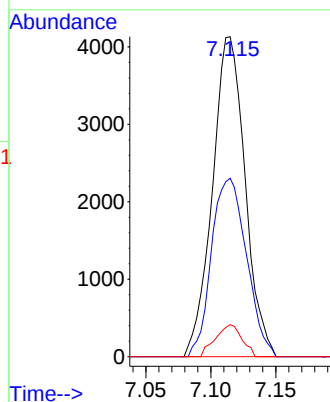
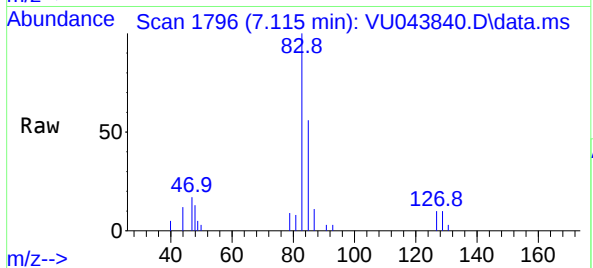




#38  
Bromodichloromethane  
Concen: 0.38 ug/L  
RT: 7.115 min Scan# 1796  
Delta R.T. -0.000 min  
Lab File: VU043840.D  
Acq: 19 May 2021 20:39

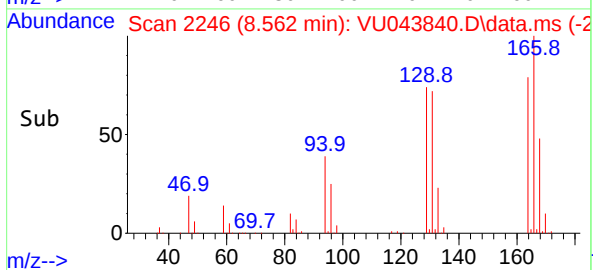
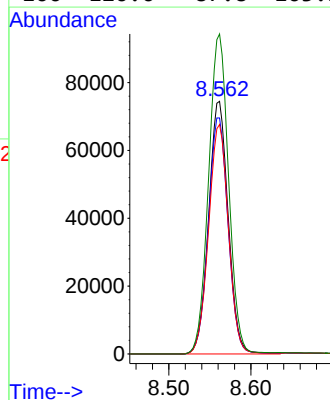
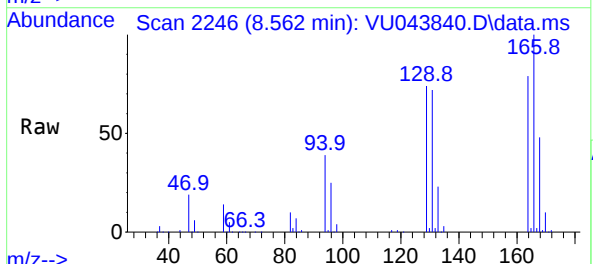
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MSVOA\_U  
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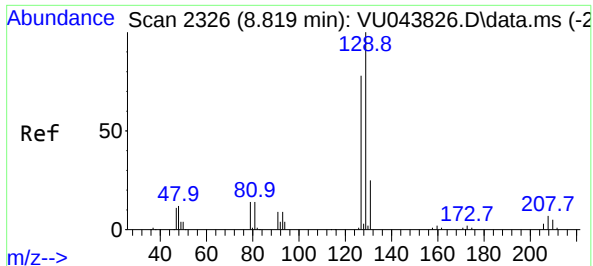
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 7224  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 55.7  | 44.6  | 82.8  |
| 127      | 10.0  | 7.0   | 10.4  |



#47  
Tetrachloroethene  
Concen: 9.65 ug/L  
RT: 8.562 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: VU043840.D  
Acq: 19 May 2021 20:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 124146 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.4  | 64.1  | 119.1  |
| 131      | 90.8  | 61.2  | 113.8  |
| 166      | 126.6 | 87.8  | 163.2  |





#49

Dibromochloromethane

Concen: 1.00 ug/L

RT: 8.816 min Scan# 2325

Delta R.T. -0.003 min

Lab File: VU043840.D

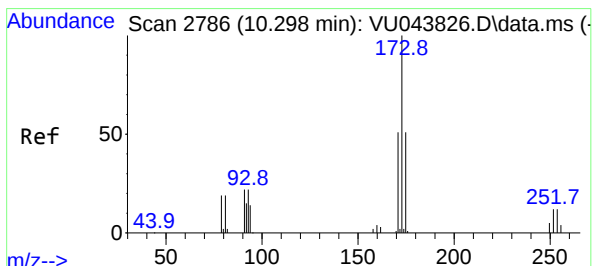
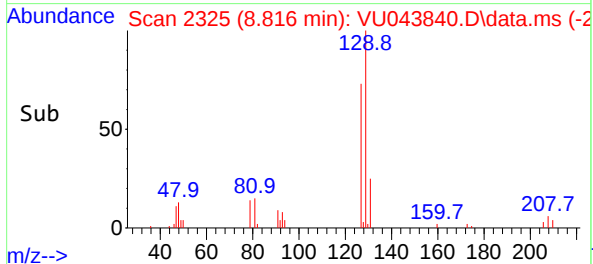
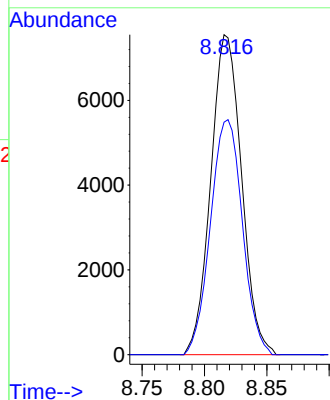
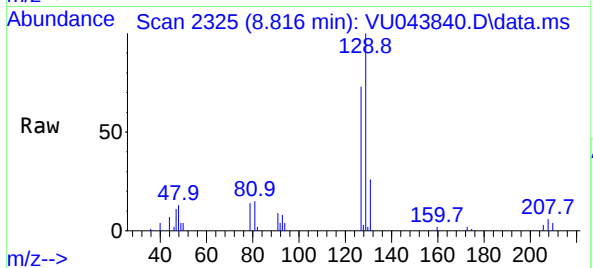
Acq: 19 May 2021 20:39

Tgt Ion:129 Resp: 12991

Ion Ratio Lower Upper

129 100

127 72.6 53.4 99.2



#59

Bromoform

Concen: 0.83 ug/L

RT: 10.298 min Scan# 2786

Delta R.T. -0.000 min

Lab File: VU043840.D

Acq: 19 May 2021 20:39

Tgt Ion:173 Resp: 5504

Ion Ratio Lower Upper

173 100

175 45.2 38.8 58.2

254 10.3 9.4 14.2

