

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU080522\  
 Data File : VU050102.D  
 Acq On : 05 Aug 2022 17:29  
 Operator : SY/MD  
 Sample : N4027-14  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBJH7

Quant Time: Aug 06 04:37:10 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

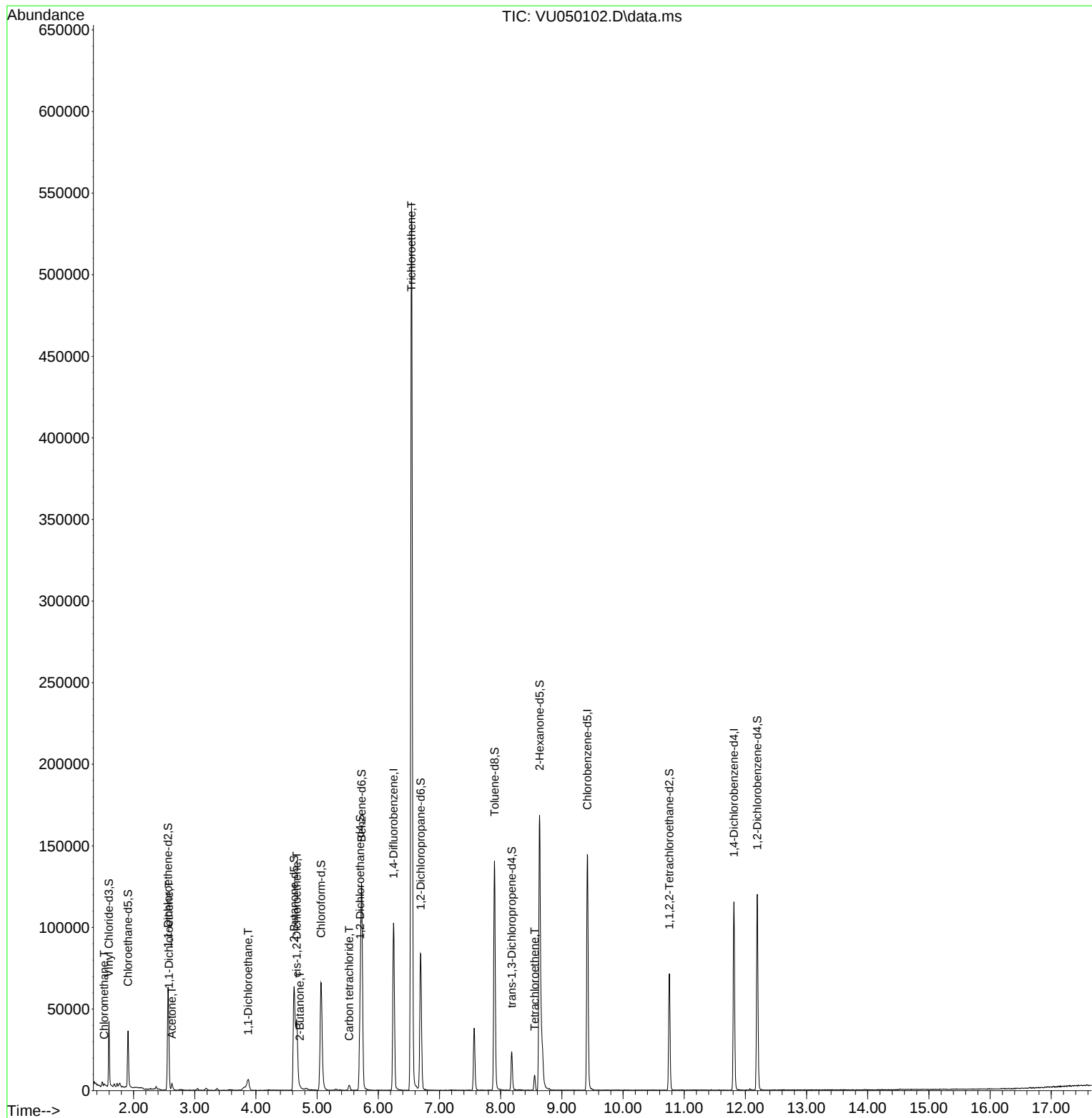
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114            | 85737    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 86412    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152            | 32234    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 28108    | 3.939  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 78.800%  |          |
| 7) Chloroethane-d5            | 1.909  | 69             | 25399    | 4.412  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 88.200%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65             | 11545    | 4.140  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 82.800%  |          |
| 20) 2-Butanone-d5             | 4.623  | 46             | 90806    | 52.189 | ug/L     | -0.01    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 104.380% |          |
| 24) Chloroform-d              | 5.064  | 84             | 62652    | 4.721  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 94.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 33535    | 4.921  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.400%  |          |
| 32) Benzene-d6                | 5.729  | 84             | 122768   | 4.553  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67             | 42616    | 4.799  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 96.000%  |          |
| 41) Toluene-d8                | 7.899  | 98             | 100420   | 4.216  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 84.400%  |          |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79             | 14398    | 4.525  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 90.400%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 55485    | 49.170 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 98.340%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84             | 37012    | 4.746  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 95.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152            | 33185    | 5.254  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 105.000% |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 3) Chloromethane              | 1.520  | 50             | 1368     | 0.133  | ug/L     | 90       |
| 12) 1,1-Dichloroethene        | 2.578  | 96             | 2225     | 0.375  | ug/L #   | 1        |
| 13) Acetone                   | 2.626  | 43             | 4709     | 4.860  | ug/L     | 94       |
| 19) 1,1-Dichloroethane        | 3.871  | 63             | 5021     | 0.400  | ug/L     | 100      |
| 21) 2-Butanone                | 4.716  | 43             | 2196     | 1.260  | ug/L     | 81       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96             | 18797    | 2.552  | ug/L     | 99       |
| 31) Carbon tetrachloride      | 5.527  | 117            | 2420     | 0.278  | ug/L     | 98       |
| 34) Trichloroethene           | 6.543  | 95             | 192181   | 26.246 | ug/L     | 99       |
| 47) Tetrachloroethene         | 8.555  | 164            | 2073     | 0.395  | ug/L     | 91       |
| -----                         |        |                |          |        |          |          |

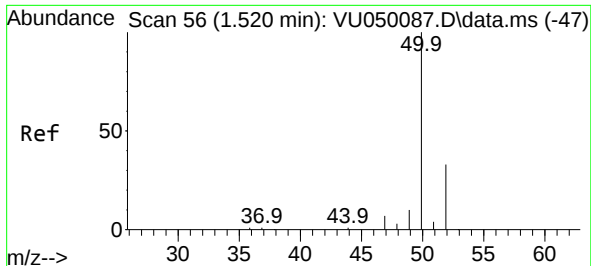
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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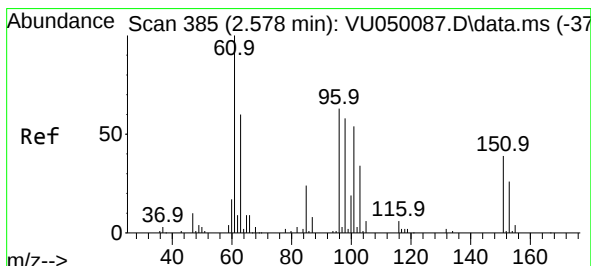
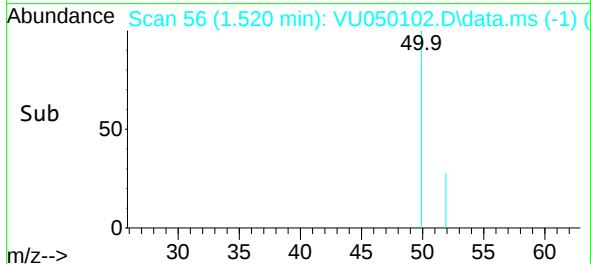
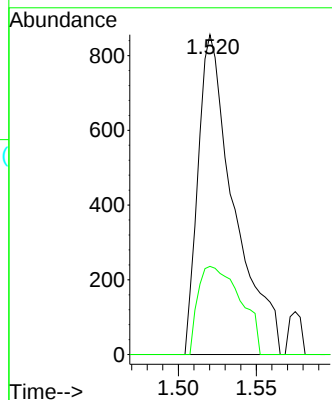
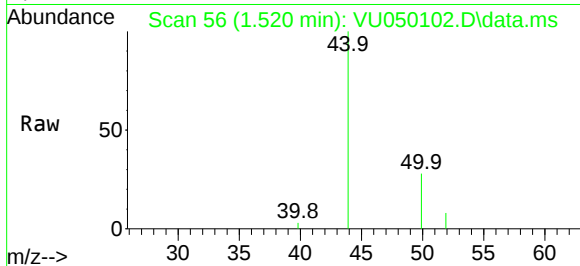




#3  
Chloromethane  
Concen: 0.133 ug/L  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU050102.D  
Acq: 05 Aug 2022 17:29

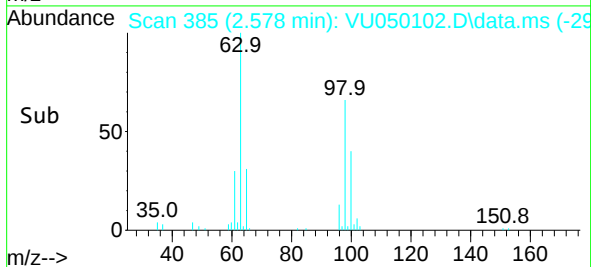
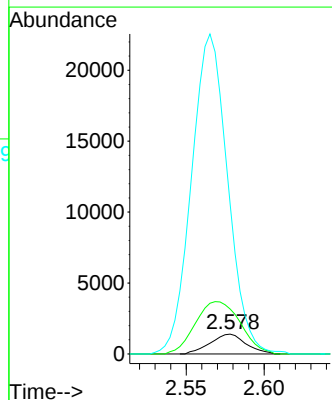
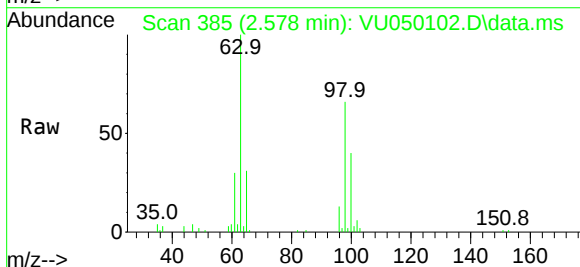
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBJH7

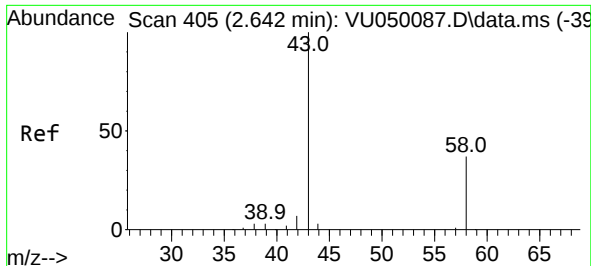
Tgt Ion: 50 Resp: 1368  
Ion Ratio Lower Upper  
50 100  
52 27.6 23.2 43.2



#12  
1,1-Dichloroethene  
Concen: 0.375 ug/L  
RT: 2.578 min Scan# 385  
Delta R.T. 0.000 min  
Lab File: VU050102.D  
Acq: 05 Aug 2022 17:29

Tgt Ion: 96 Resp: 2225  
Ion Ratio Lower Upper  
96 100  
61 226.8 122.7 227.9  
63 755.6 85.1 158.1#





#13

Acetone

Concen: 4.860 ug/L

RT: 2.626 min Scan# 405

Delta R.T. -0.016 min

Lab File: VU050102.D

Acq: 05 Aug 2022 17:29

Instrument :

MSVOA\_U

ClientSampleId :

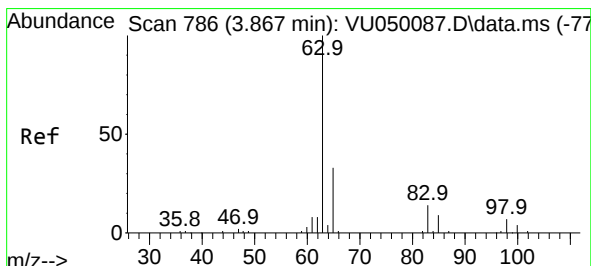
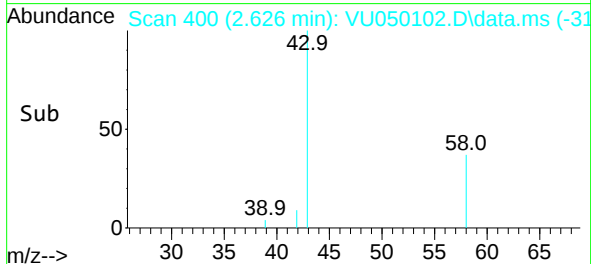
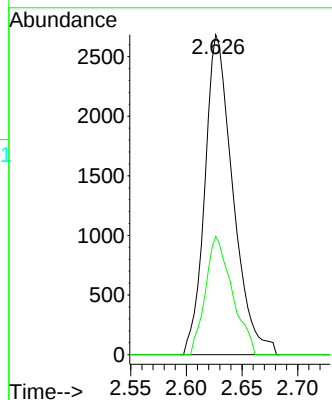
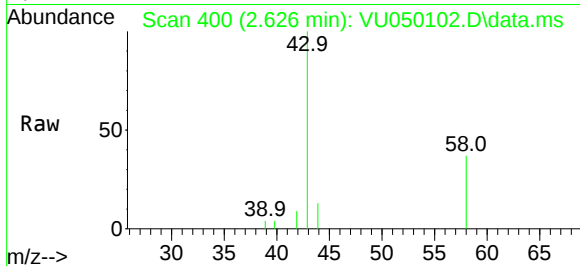
GBJH7

Tgt Ion: 43 Resp: 4709

Ion Ratio Lower Upper

43 100

58 35.1 0.0 64.0



#19

1,1-Dichloroethane

Concen: 0.400 ug/L

RT: 3.871 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU050102.D

Acq: 05 Aug 2022 17:29

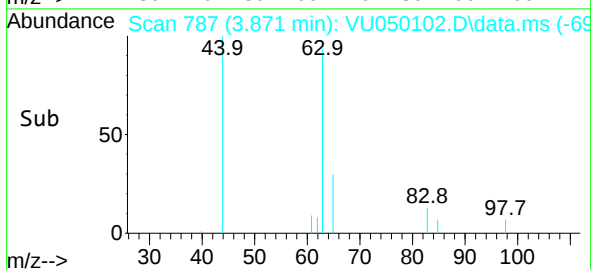
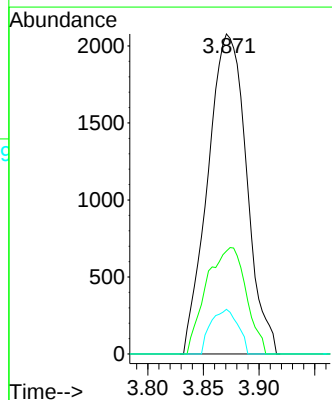
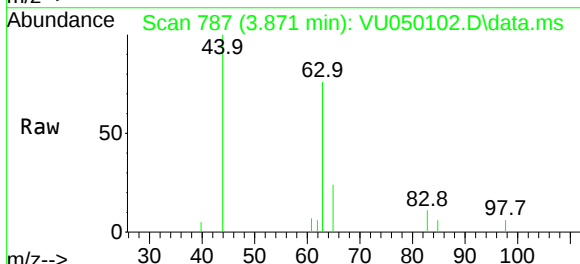
Tgt Ion: 63 Resp: 5021

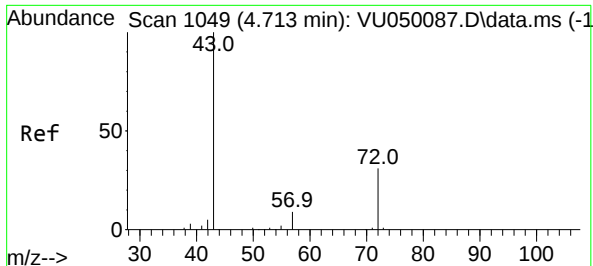
Ion Ratio Lower Upper

63 100

65 32.1 22.7 42.3

83 14.0 9.8 18.2





#21

2-Butanone

Concen: 1.260 ug/L

RT: 4.716 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU050102.D

Acq: 05 Aug 2022 17:29

Instrument :

MSVOA\_U

ClientSampleId :

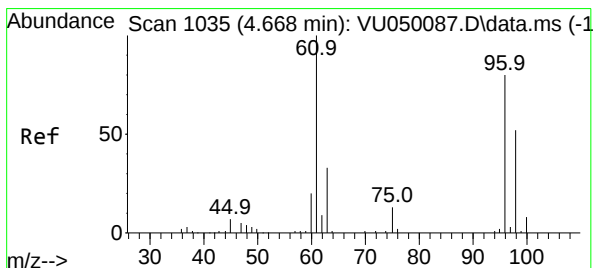
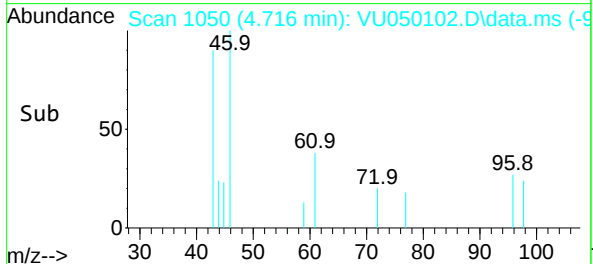
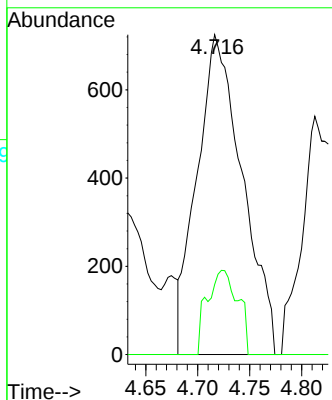
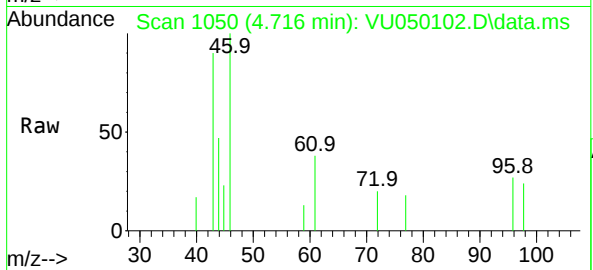
GBJH7

Tgt Ion: 43 Resp: 2196

Ion Ratio Lower Upper

43 100

72 17.8 14.0 42.0



#22

cis-1,2-Dichloroethene

Concen: 2.552 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU050102.D

Acq: 05 Aug 2022 17:29

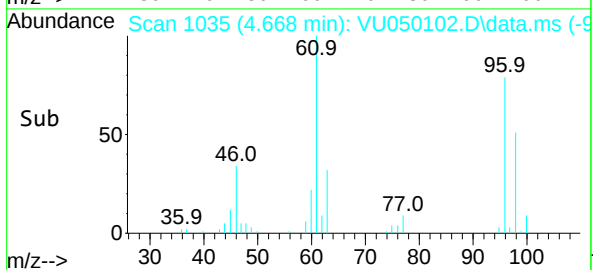
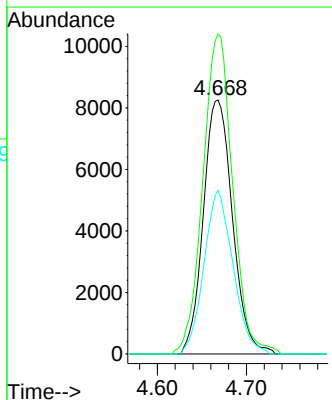
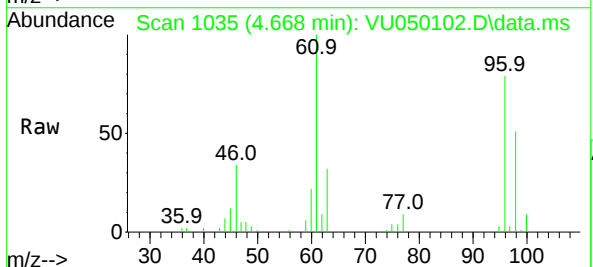
Tgt Ion: 96 Resp: 18797

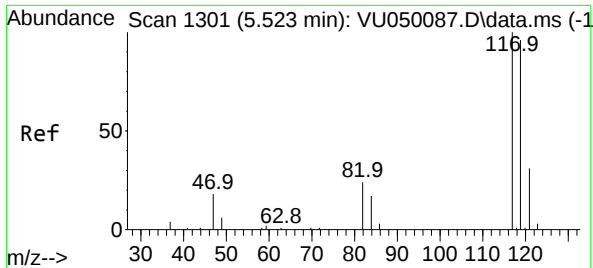
Ion Ratio Lower Upper

96 100

61 126.0 89.0 165.4

98 64.4 45.2 84.0

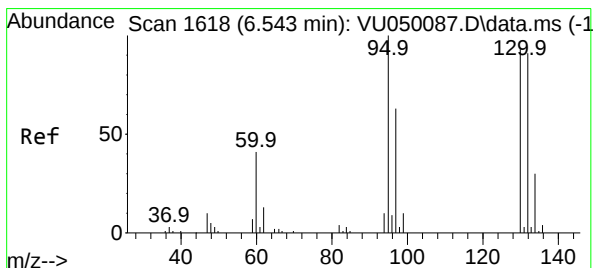
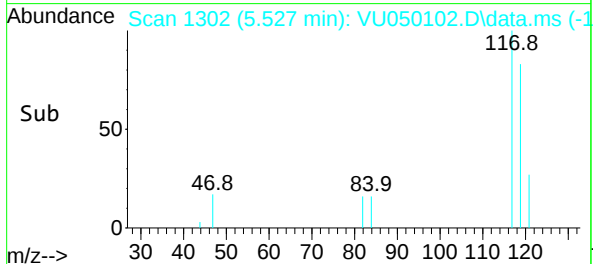
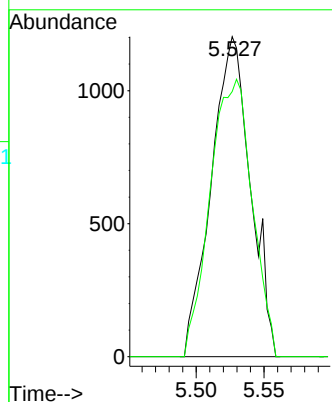
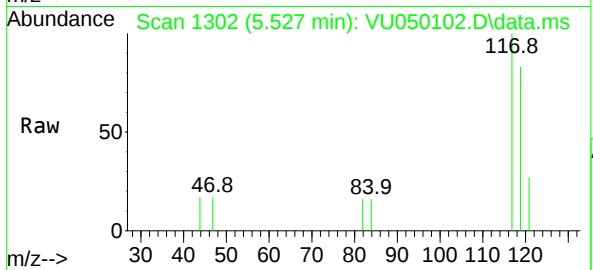




#31  
Carbon tetrachloride  
Concen: 0.278 ug/L  
RT: 5.527 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU050102.D  
Acq: 05 Aug 2022 17:29

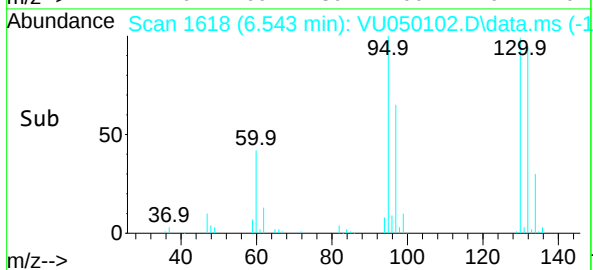
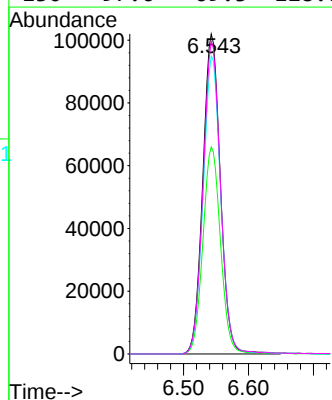
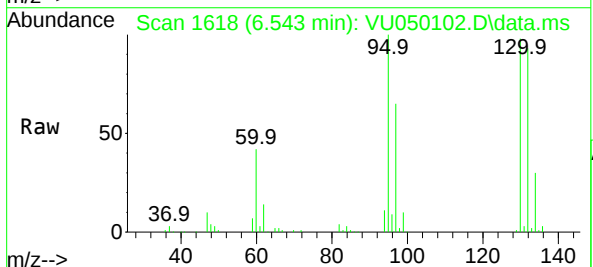
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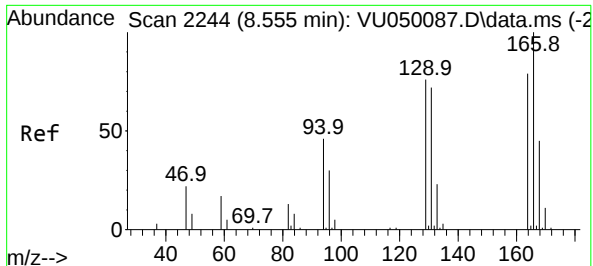
Tgt Ion: 117 Resp: 2420  
Ion Ratio Lower Upper  
117 100  
119 93.0 76.0 114.0



#34  
Trichloroethene  
Concen: 26.246 ug/L  
RT: 6.543 min Scan# 1618  
Delta R.T. 0.000 min  
Lab File: VU050102.D  
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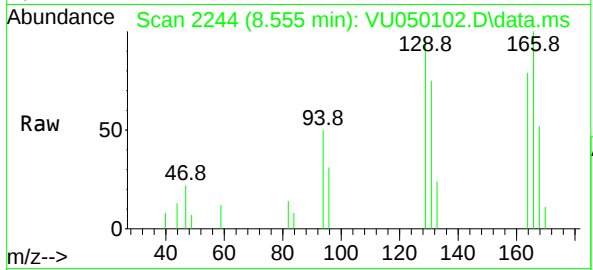
Tgt Ion: 95 Resp: 192181  
Ion Ratio Lower Upper  
95 100  
97 64.7 45.6 84.8  
132 93.1 65.0 120.6  
130 97.6 69.3 128.7





#47  
 Tetrachloroethene  
 Concen: 0.395 ug/L  
 RT: 8.555 min Scan# 21  
 Delta R.T. 0.000 min  
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Tgt Ion:164 Resp: 2073

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 122.7 | 69.0  | 128.1 |
| 131 | 95.4  | 65.8  | 122.2 |
| 166 | 126.5 | 86.1  | 159.9 |

