

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111922\  
 Data File : VU051917.D  
 Acq On : 18 Nov 2022 21:41  
 Operator : JC/MD  
 Sample : N5684-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH1H6

Quant Time: Nov 19 00:50:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 22:29:23 2022  
 Response via : Initial Calibration

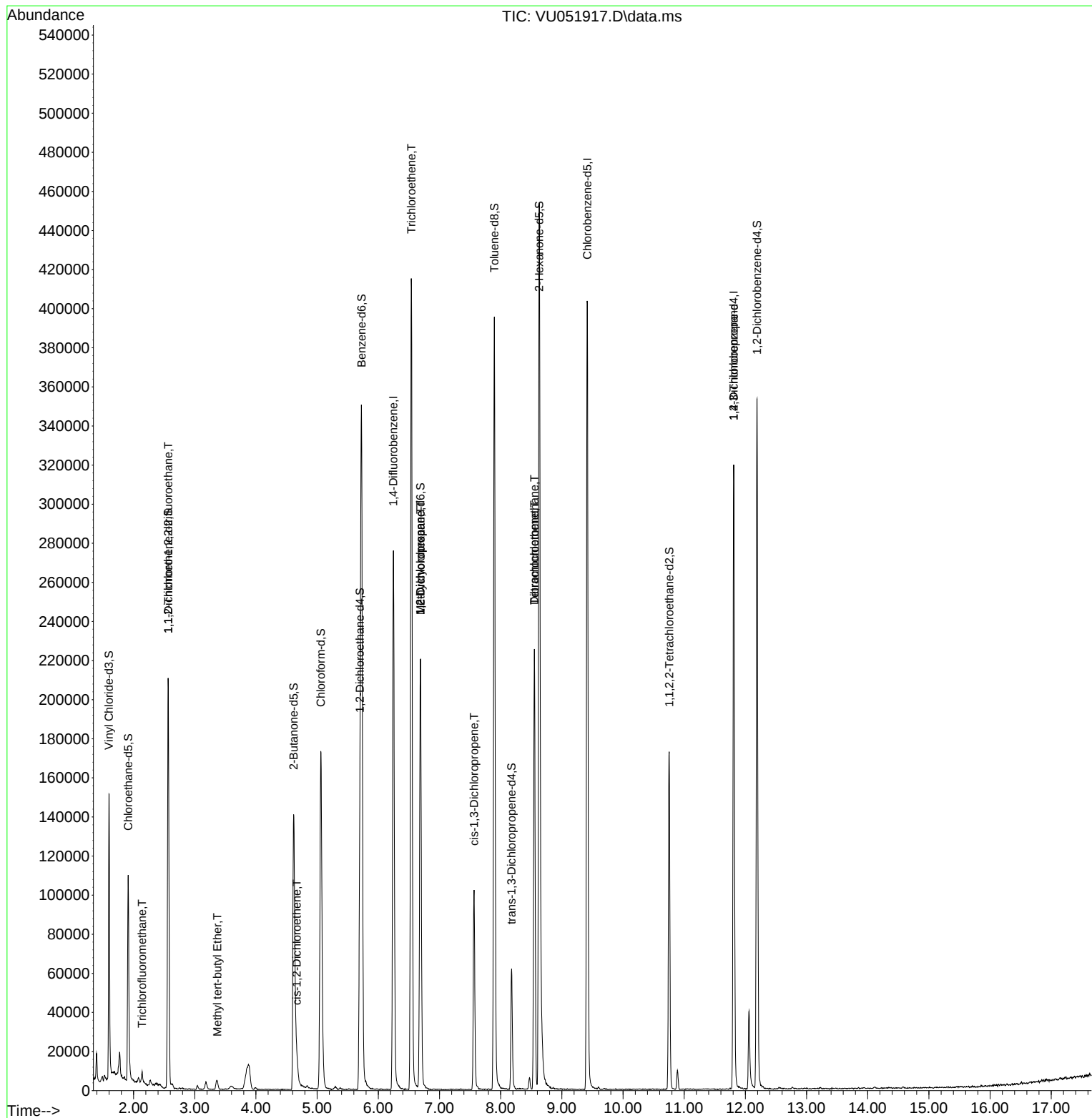
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 229504   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117            | 236610   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 90316    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 111483   | 4.994  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 99.800%  |          |
| 7) Chloroethane-d5            | 1.912  | 69             | 89549    | 5.164  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 103.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 39511    | 4.938  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 98.800%  |          |
| 20) 2-Butanone-d5             | 4.617  | 46             | 198247   | 48.992 | ug/L     | -0.03    |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 97.980%  |          |
| 24) Chloroform-d              | 5.060  | 84             | 161090   | 4.911  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 98.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 86896    | 5.245  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 104.800% |          |
| 32) Benzene-d6                | 5.726  | 84             | 349333   | 4.973  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 99.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 112309   | 5.166  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 103.400% |          |
| 41) Toluene-d8                | 7.896  | 98             | 282132   | 4.439  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 88.800%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79             | 36560    | 4.615  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 92.400%  |          |
| 46) 2-Hexanone-d5             | 8.629  | 63             | 157707   | 46.975 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 93.960%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84             | 92321    | 4.898  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 98.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152            | 98795    | 5.713  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 114.200% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 9) Trichlorofluoromethane     | 2.138  | 101            | 3701     | 0.135  | ug/L     | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.565  | 101            | 1751     | 0.104  | ug/L #   | 27       |
| 17) Methyl tert-butyl Ether   | 3.369  | 73             | 5606     | 0.150  | ug/L     | 95       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96             | 4752     | 0.254  | ug/L     | 86       |
| 34) Trichloroethene           | 6.539  | 95             | 149188   | 7.768  | ug/L     | 97       |
| 35) Methylcyclohexane         | 6.687  | 83             | 25387    | 0.919  | ug/L #   | 20       |
| 37) 1,2-Dichloropropane       | 6.687  | 63             | 11241    | 0.564  | ug/L #   | 88       |
| 39) cis-1,3-Dichloropropene   | 7.565  | 75             | 2394     | 0.094  | ug/L #   | 66       |
| 47) Tetrachloroethene         | 8.552  | 164            | 52852    | 3.591  | ug/L     | 98       |
| 49) Dibromochloromethane      | 8.552  | 129            | 50672    | 3.020  | ug/L #   | 12       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75             | 11153    | 1.079  | ug/L #   | 68       |
| -----                         |        |                |          |        |          |          |

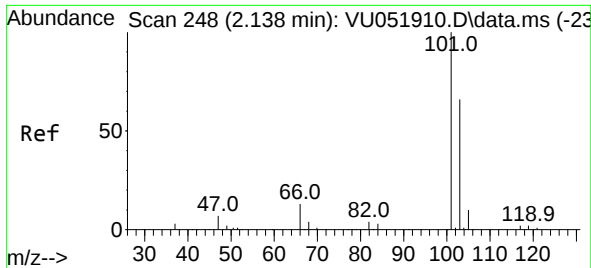
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 18 22:29:23 2022  
Response via : Initial Calibration

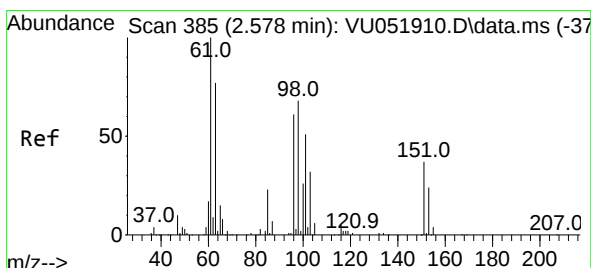
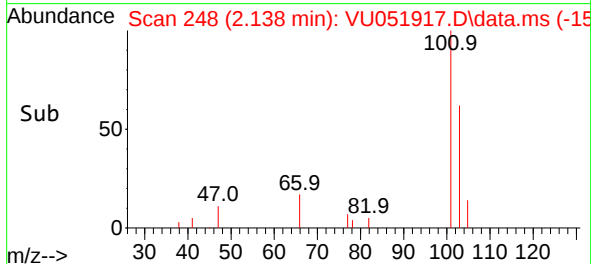
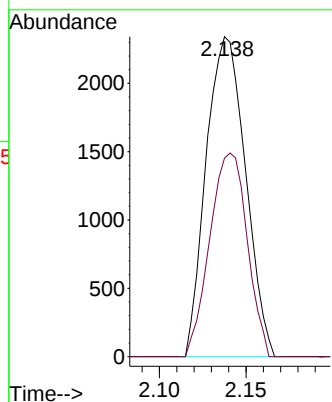
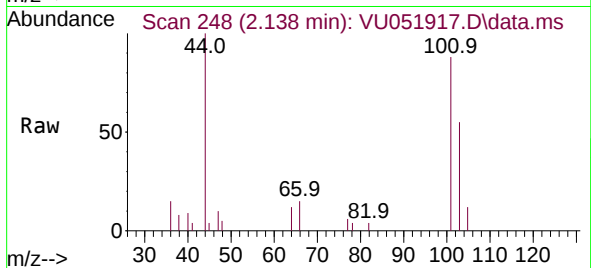




#9  
Trichlorofluoromethane  
Concen: 0.135 ug/L  
RT: 2.138 min Scan# 248  
Delta R.T. 0.000 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

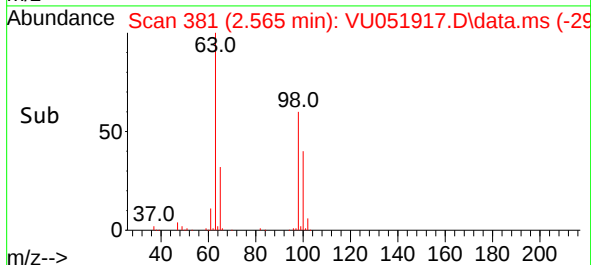
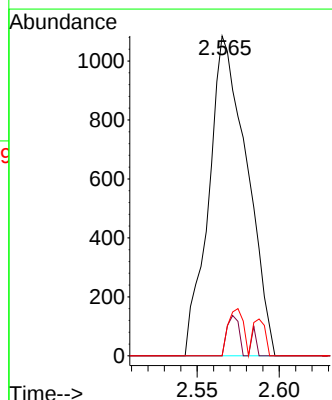
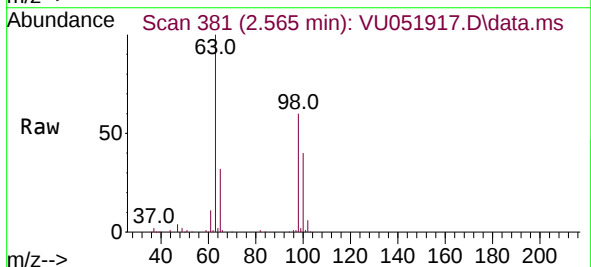
Instrument :  
MSVOA\_U  
ClientSampleId :  
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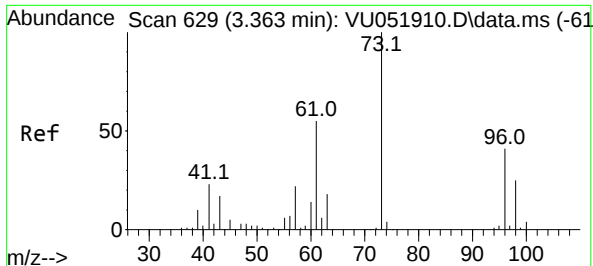
Tgt Ion:101 Resp: 3701  
Ion Ratio Lower Upper  
101 100  
103 60.5 51.6 77.4



#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.104 ug/L  
RT: 2.565 min Scan# 381  
Delta R.T. -0.013 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

Tgt Ion:101 Resp: 1751  
Ion Ratio Lower Upper  
101 100  
85 3.9 33.8 50.6#  
151 5.8 58.6 88.0#

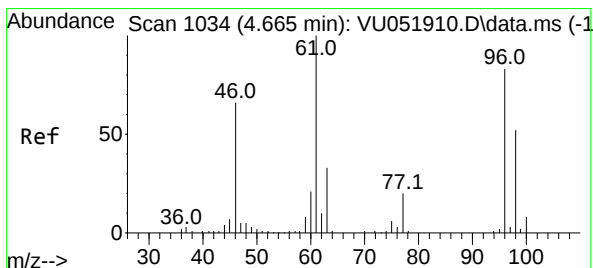
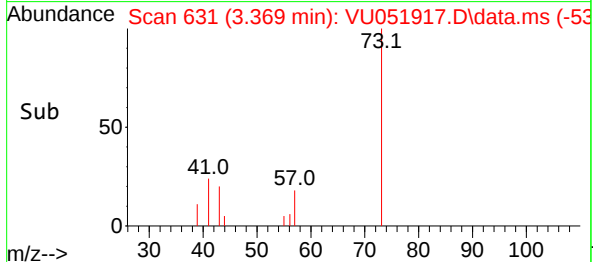
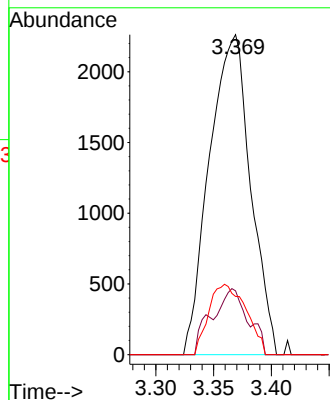
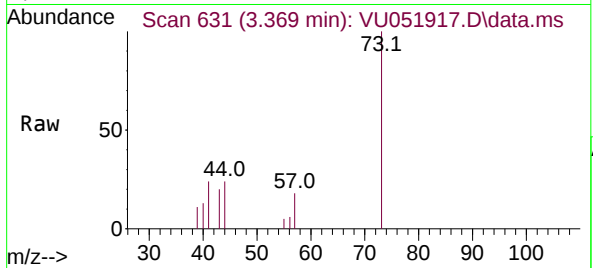




#17  
Methyl tert-butyl Ether  
Concen: 0.150 ug/L  
RT: 3.369 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

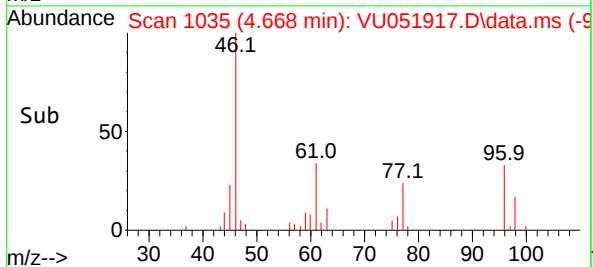
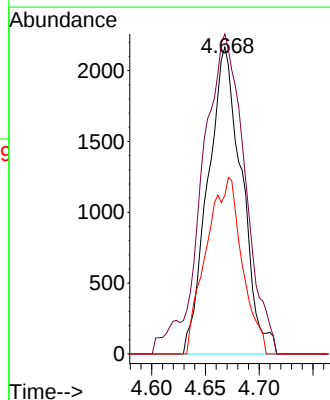
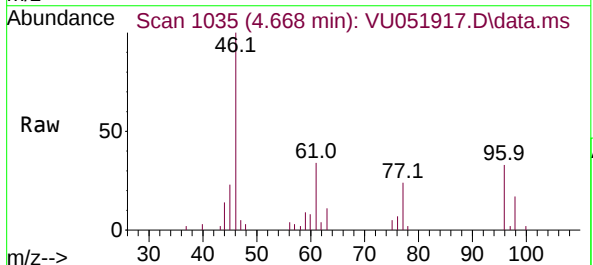
Instrument :  
MSVOA\_U  
ClientSampleId :  
BH1H6

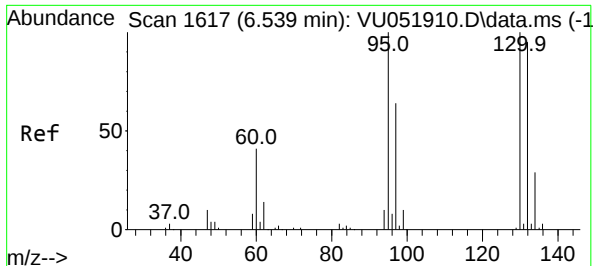
Tgt Ion: 73 Resp: 5606  
Ion Ratio Lower Upper  
73 100  
43 14.0 13.2 19.8  
57 19.9 17.8 26.8



#22  
cis-1,2-Dichloroethene  
Concen: 0.254 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. 0.003 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

Tgt Ion: 96 Resp: 4752  
Ion Ratio Lower Upper  
96 100  
61 104.3 85.1 158.1  
98 51.6 42.8 79.6

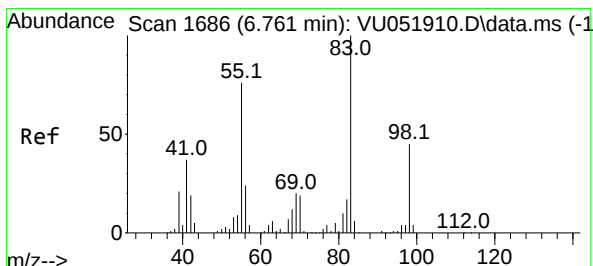
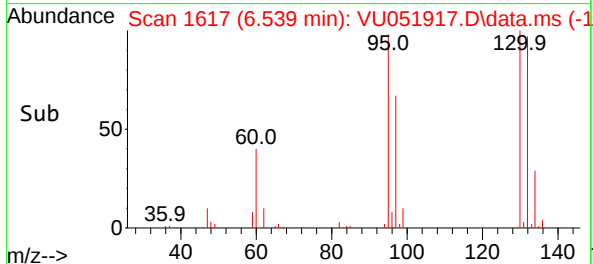
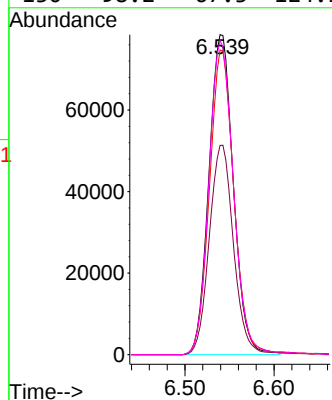
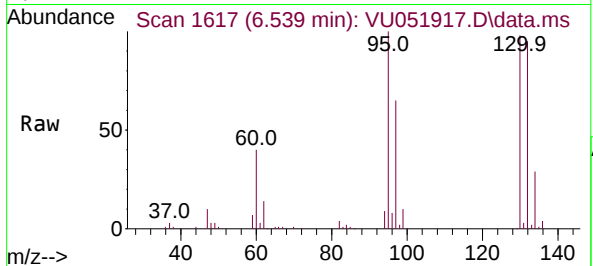




#34  
Trichloroethene  
Concen: 7.768 ug/L  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

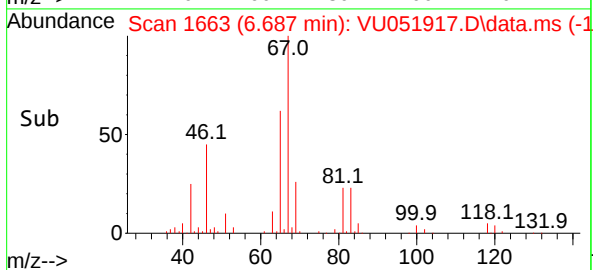
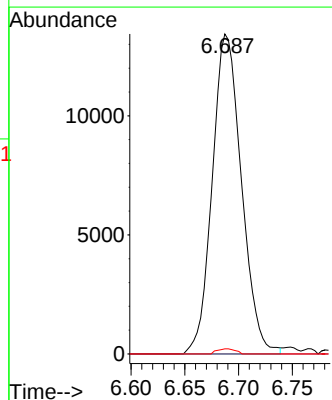
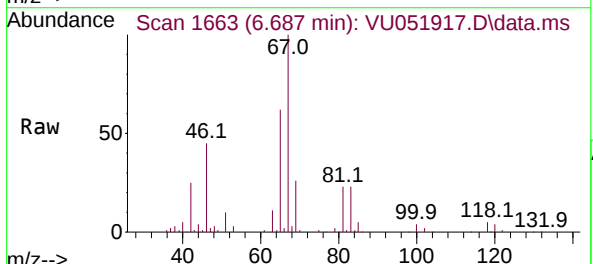
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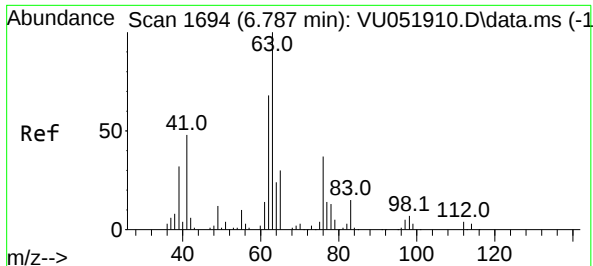
Tgt Ion: 95 Resp: 149188  
Ion Ratio Lower Upper  
95 100  
97 65.4 43.7 81.1  
132 95.2 64.3 119.3  
130 98.2 67.3 124.9



#35  
Methylcyclohexane  
Concen: 0.919 ug/L  
RT: 6.687 min Scan# 1663  
Delta R.T. -0.074 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

Tgt Ion: 83 Resp: 25387  
Ion Ratio Lower Upper  
83 100  
55 0.0 60.8 91.2#  
98 1.0 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.564 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU051917.D

Acq: 18 Nov 2022 21:41

Instrument :

MSVOA\_U

ClientSampleId :

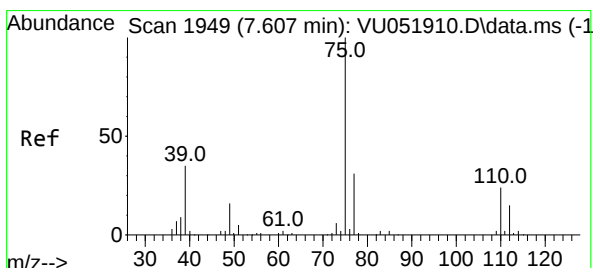
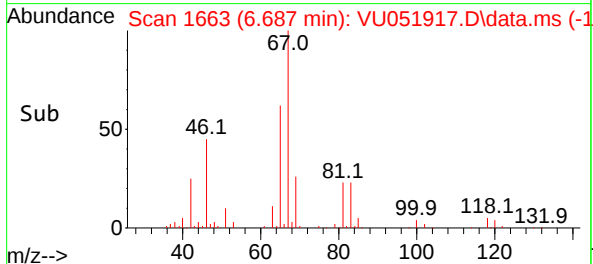
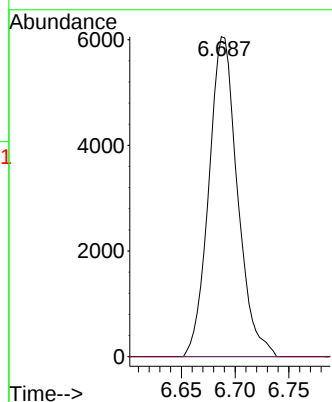
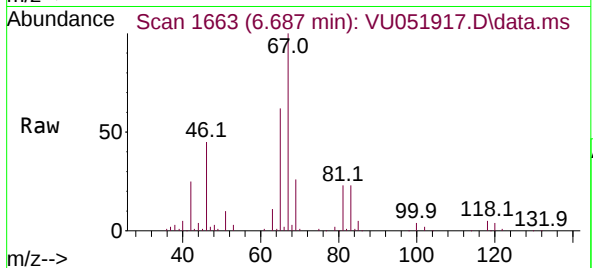
BH1H6

Tgt Ion: 63 Resp: 11241

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.042 min

Lab File: VU051917.D

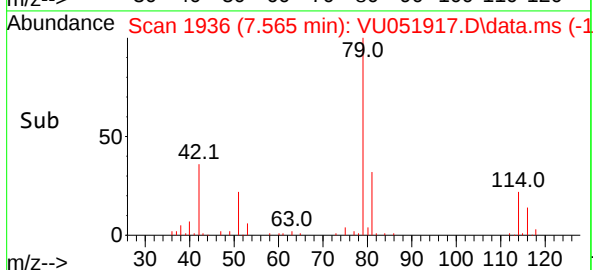
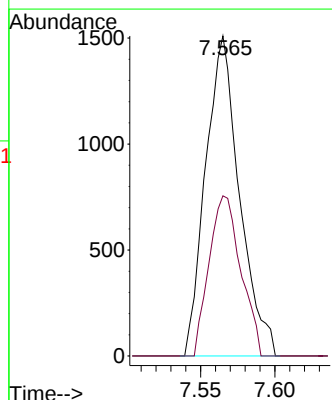
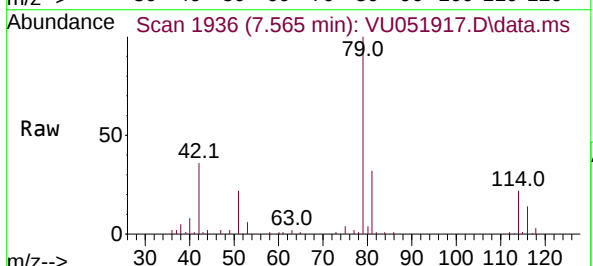
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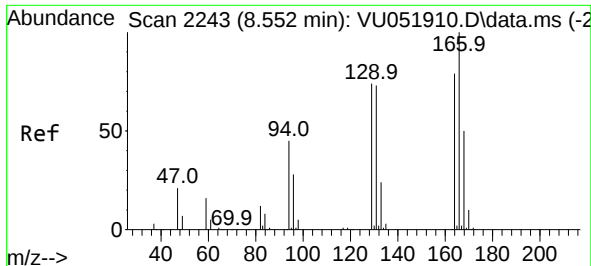
Tgt Ion: 75 Resp: 2394

Ion Ratio Lower Upper

75 100

77 50.1 22.0 40.8#

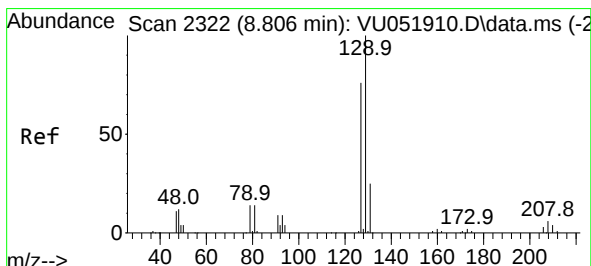
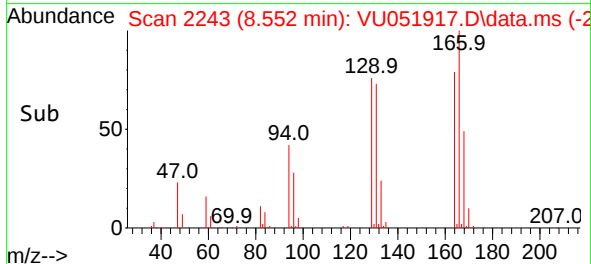
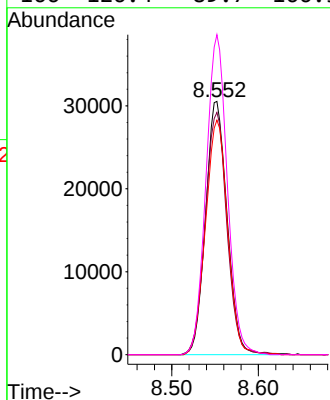
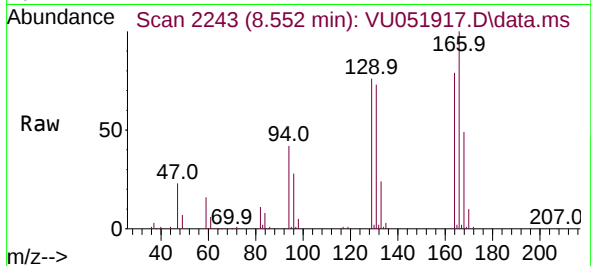




#47  
Tetrachloroethene  
Concen: 3.591 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

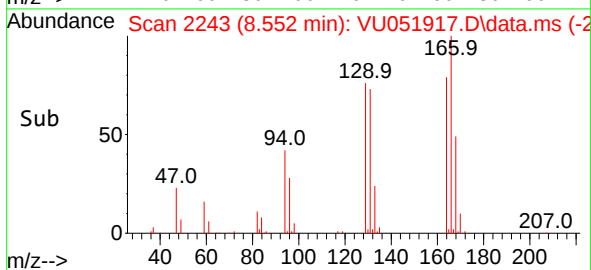
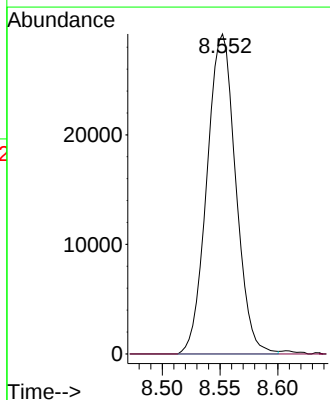
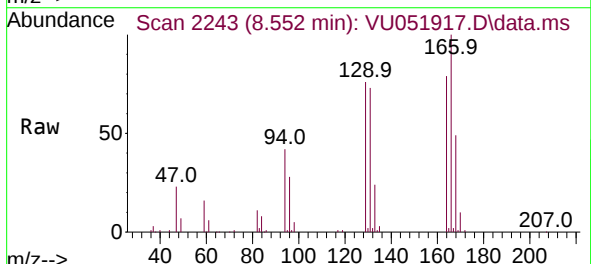
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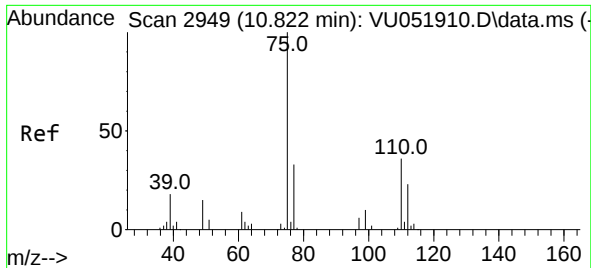
Tgt Ion:164 Resp: 52852  
Ion Ratio Lower Upper  
164 100  
129 95.7 67.4 125.2  
131 92.6 67.1 124.7  
166 126.4 89.7 166.5



#49  
Dibromochloromethane  
Concen: 3.020 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.254 min  
Lab File: VU051917.D  
Acq: 18 Nov 2022 21:41

Tgt Ion:129 Resp: 50672  
Ion Ratio Lower Upper  
129 100  
127 0.0 52.8 98.2#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.079 ug/L  
 RT: 11.809 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU051917.D  
 Acq: 18 Nov 2022 21:41

Instrument :  
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Tgt Ion: 75 Resp: 11153  
 Ion Ratio Lower Upper  
 75 100  
 110 1.1 28.3 42.5#  
 77 30.7 26.2 39.2

