

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020222\  
 Data File : VU046996.D  
 Acq On : 02 Feb 2022 12:45  
 Operator : SY/MD  
 Sample : N1348-01 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

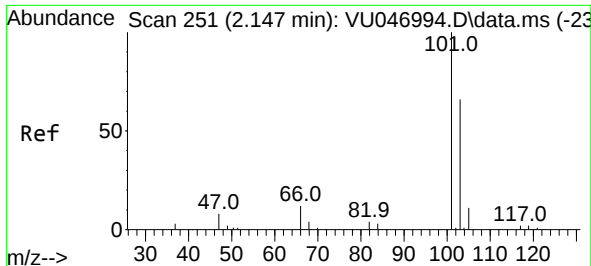
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX5

Quant Time: Feb 03 02:59:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Feb 03 02:56:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 100031   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 118458   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816 | 152   | 55823    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 45037    | 5.313    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 106.200% |
| 7) Chloroethane-d5            | 1.919  | 69    | 36976    | 5.537    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 110.800% |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 17871    | 5.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 106.000% |
| 20) 2-Butanone-d5             | 4.645  | 46    | 114601   | 45.638   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 91.280%  |
| 24) Chloroform-d              | 5.070  | 84    | 73520    | 4.941    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 40020    | 4.939    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.800%  |
| 32) Benzene-d6                | 5.732  | 84    | 143710   | 4.128    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 46003    | 4.401    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.000%  |
| 41) Toluene-d8                | 7.903  | 98    | 110951   | 3.482    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 69.600%# |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 16651    | 3.627    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 72.600%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 89282    | 32.846   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 65.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84    | 40425    | 3.852    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 77.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 42521    | 4.062    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 81.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 9) Trichlorofluoromethane     | 2.147  | 101   | 1021     | 0.104    | ug/L   | 91       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568  | 101   | 530      | 0.091    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 9350     | 1.674    | ug/L # | 48       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 19487    | 1.919    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 14257    | 2.234    | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 3529     | 0.331    | ug/L   | 98       |
| 33) Benzene                   | 5.780  | 78    | 4292     | 0.154    | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95    | 48583    | 6.709    | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.694  | 83    | 10775    | 0.888    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.697  | 63    | 4957     | 0.725    | ug/L # | 88       |
| 47) Tetrachloroethene         | 8.558  | 164   | 13449    | 2.284    | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.555  | 129   | 13167    | 1.918    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.816 | 75    | 6812     | 1.440    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

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

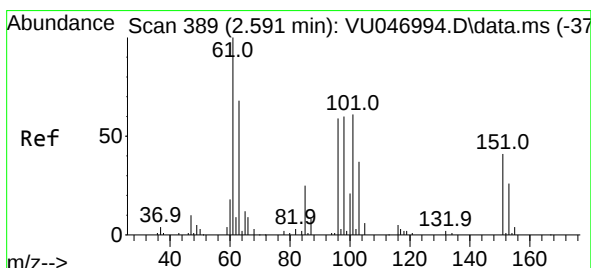
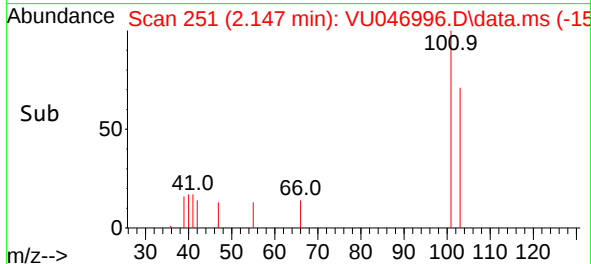
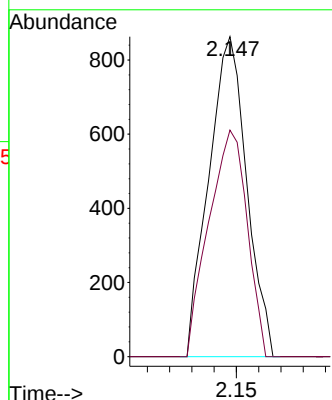
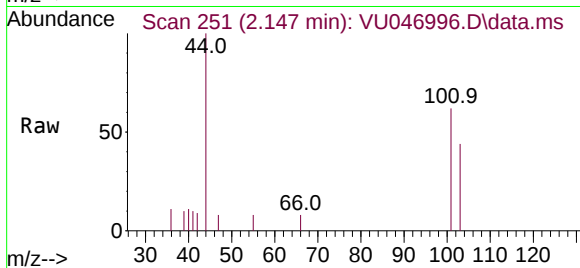




#9  
 Trichlorofluoromethane  
 Concen: 0.104 ug/L  
 RT: 2.147 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU046996.D  
 Acq: 02 Feb 2022 12:45

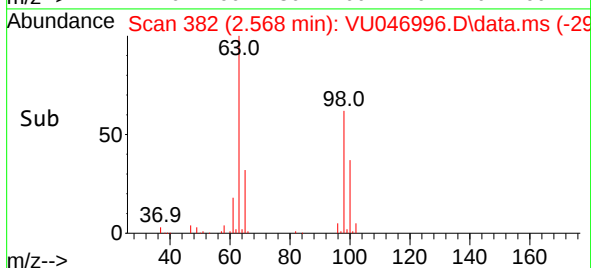
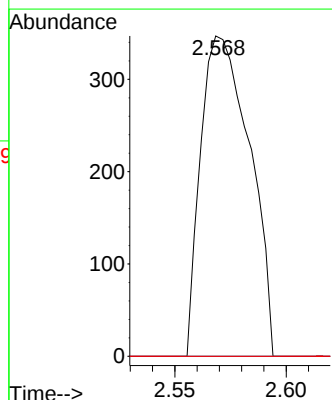
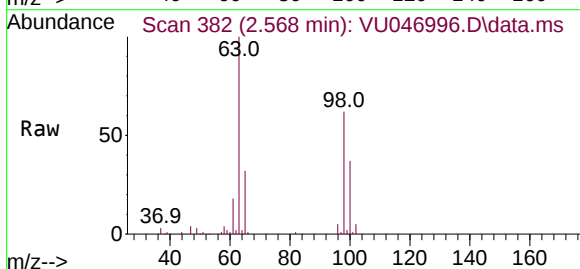
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX5

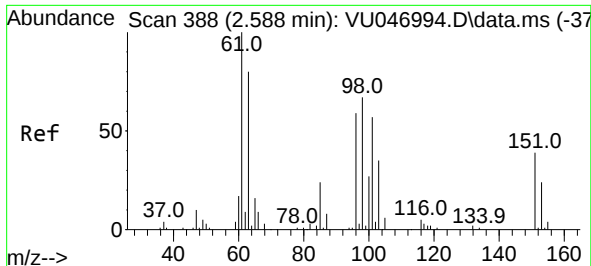
Tgt Ion:101 Resp: 1021  
 Ion Ratio Lower Upper  
 101 100  
 103 71.5 51.5 77.3



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.091 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.023 min  
 Lab File: VU046996.D  
 Acq: 02 Feb 2022 12:45

Tgt Ion:101 Resp: 530  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.6 51.8#  
 151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 1.674 ug/L

RT: 2.588 min Scan# 388

Delta R.T. -0.000 min

Lab File: VU046996.D

Acq: 02 Feb 2022 12:45

Instrument :

MSVOA\_U

ClientSampleId :

BFX5

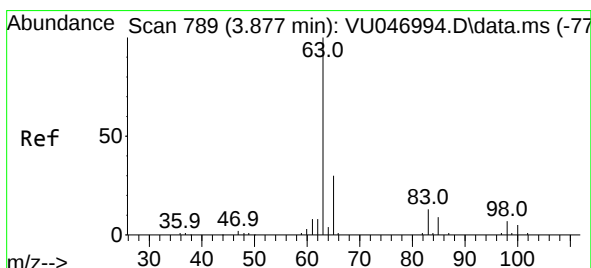
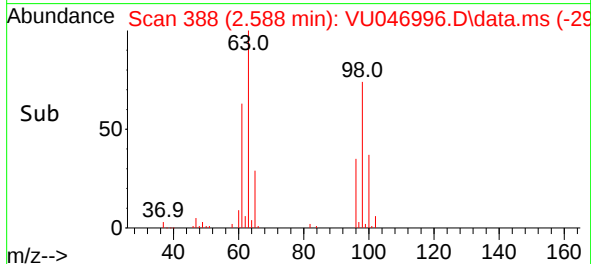
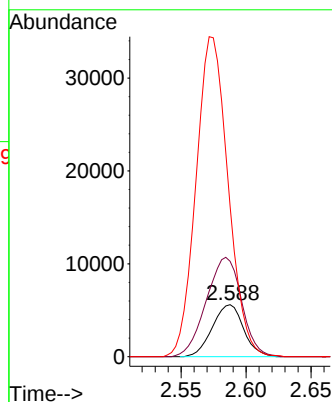
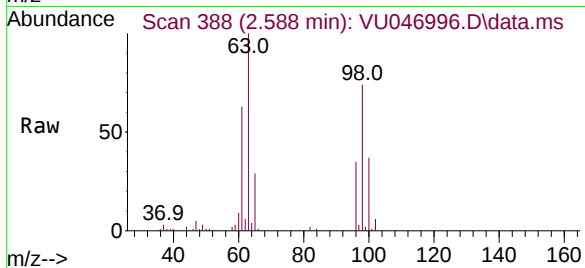
Tgt Ion: 96 Resp: 9350

Ion Ratio Lower Upper

96 100

61 183.2 124.7 231.5

63 288.6 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 1.919 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046996.D

Acq: 02 Feb 2022 12:45

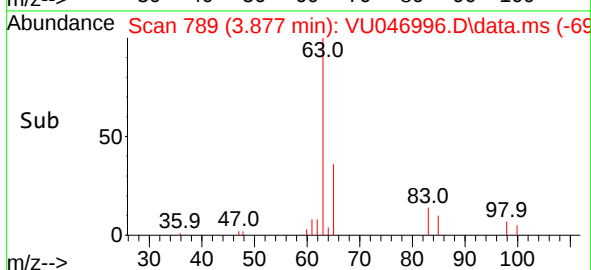
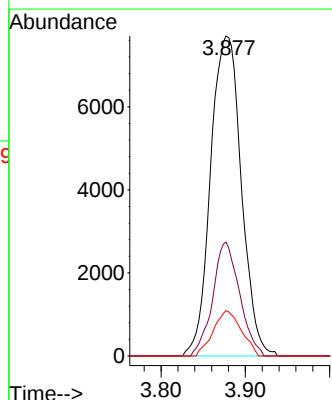
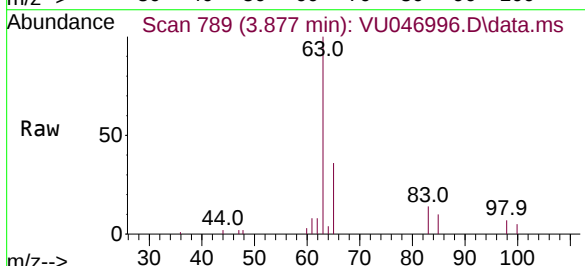
Tgt Ion: 63 Resp: 19487

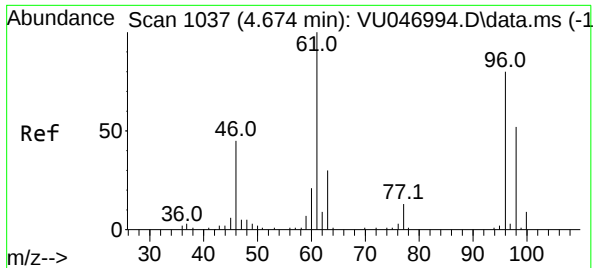
Ion Ratio Lower Upper

63 100

65 35.6 22.3 41.5

83 14.1 9.6 17.8

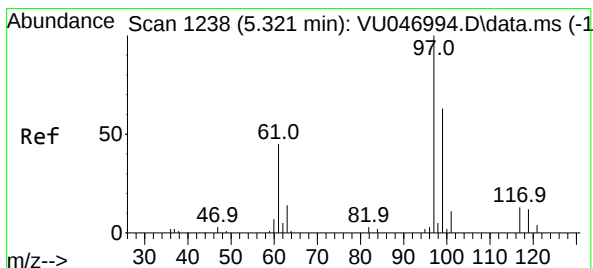
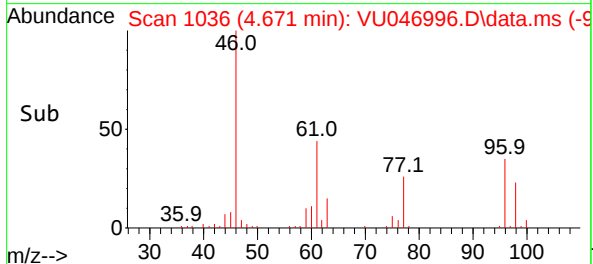
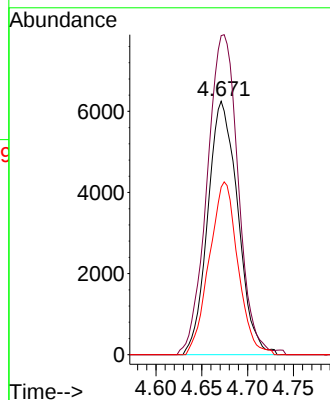
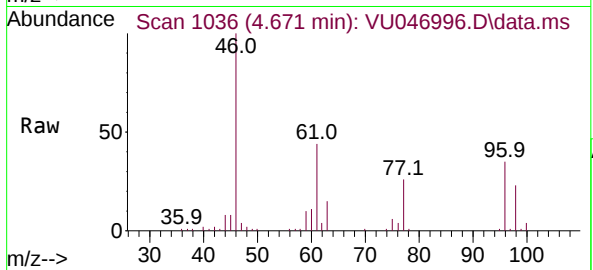




#22  
 cis-1,2-Dichloroethene  
 Concen: 2.234 ug/L  
 RT: 4.671 min Scan# 1036  
 Delta R.T. -0.003 min  
 Lab File: VU046996.D  
 Acq: 02 Feb 2022 12:45

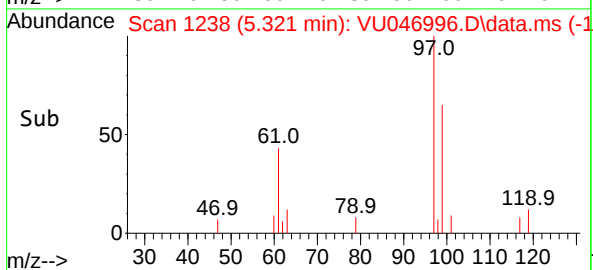
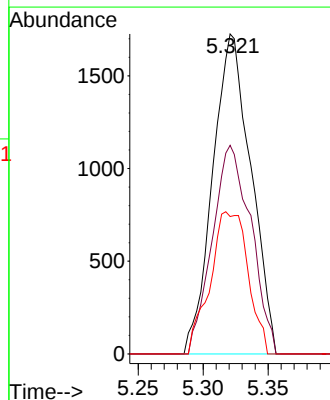
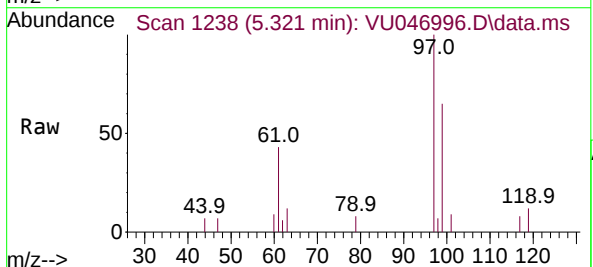
Instrument :  
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 ClientSampleId :  
 BFX5

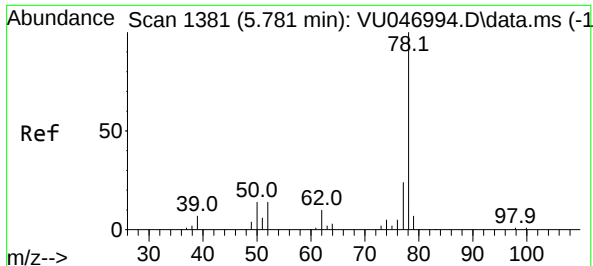
Tgt Ion: 96 Resp: 14257  
 Ion Ratio Lower Upper  
 96 100  
 61 125.9 88.5 164.3  
 98 66.1 44.4 82.5



#29  
 1,1,1-Trichloroethane  
 Concen: 0.331 ug/L  
 RT: 5.321 min Scan# 1238  
 Delta R.T. -0.000 min  
 Lab File: VU046996.D  
 Acq: 02 Feb 2022 12:45

Tgt Ion: 97 Resp: 3529  
 Ion Ratio Lower Upper  
 97 100  
 99 66.0 51.3 76.9  
 61 44.0 36.1 54.1

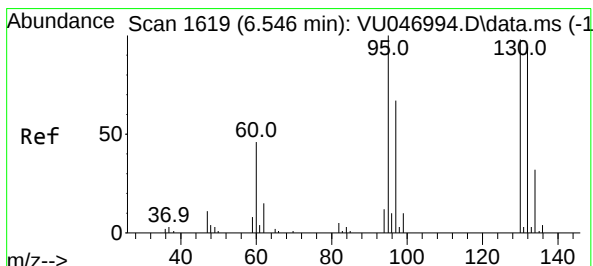
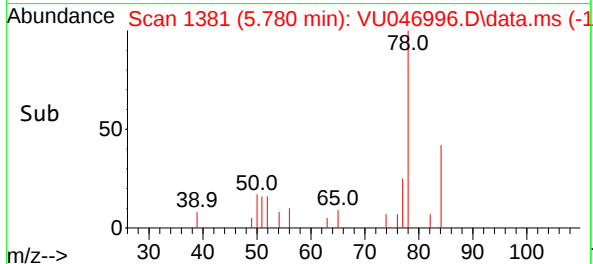
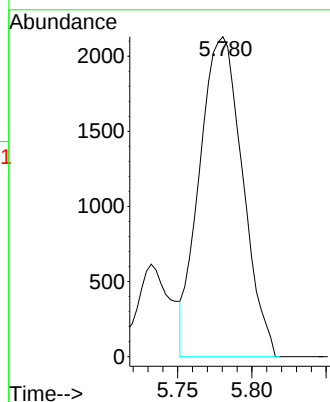
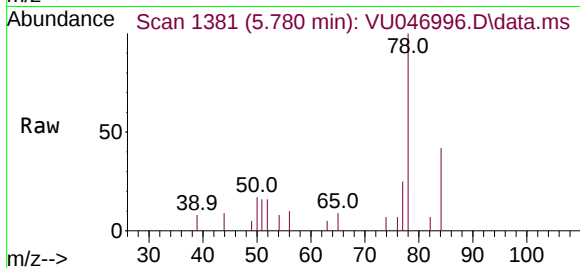




#33  
Benzene  
Concen: 0.154 ug/L  
RT: 5.780 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU046996.D  
Acq: 02 Feb 2022 12:45

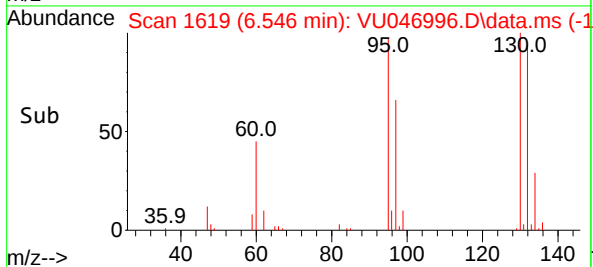
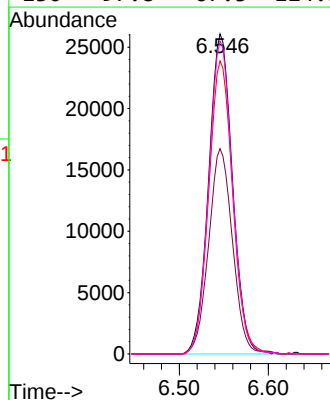
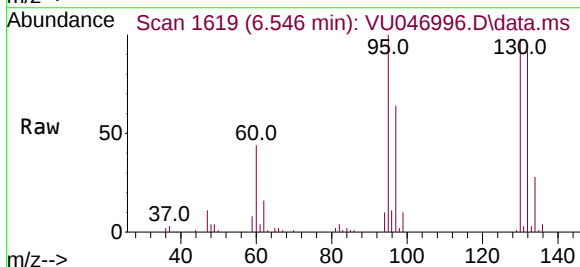
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

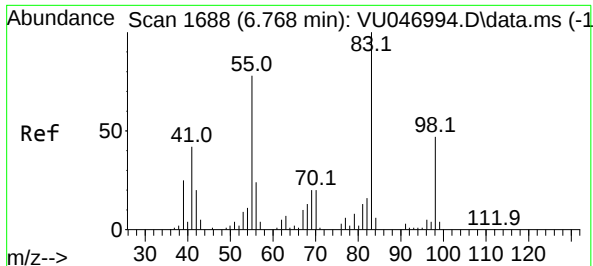
Tgt Ion: 78 Resp: 4292



#34  
Trichloroethene  
Concen: 6.709 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU046996.D  
Acq: 02 Feb 2022 12:45

Tgt Ion: 95 Resp: 48583  
Ion Ratio Lower Upper  
95 100  
97 64.1 46.5 86.5  
132 91.5 65.1 120.9  
130 97.8 67.3 124.9

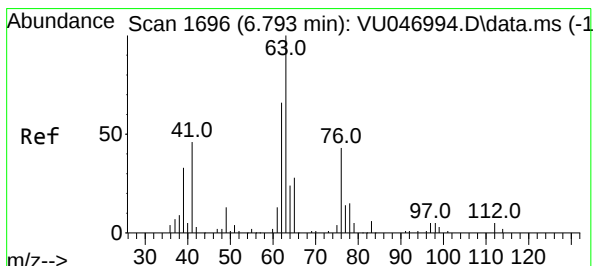
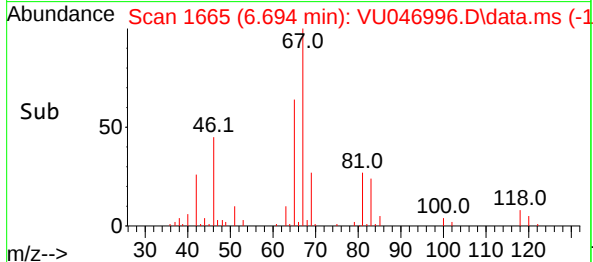
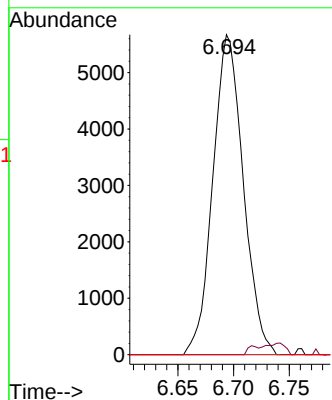
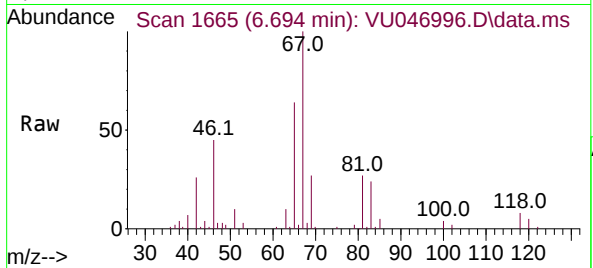




#35  
Methylcyclohexane  
Concen: 0.888 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU046996.D  
Acq: 02 Feb 2022 12:45

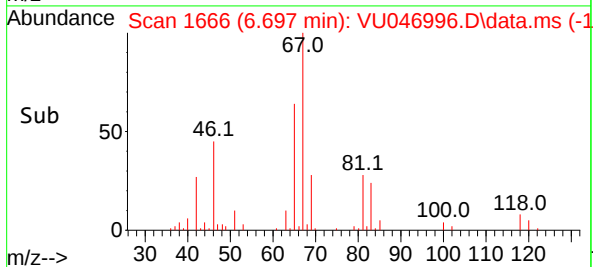
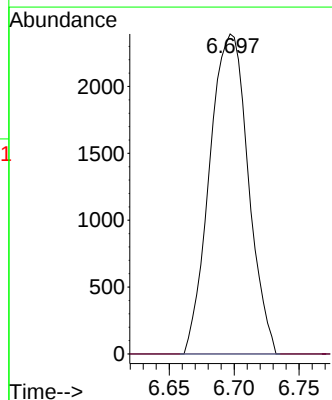
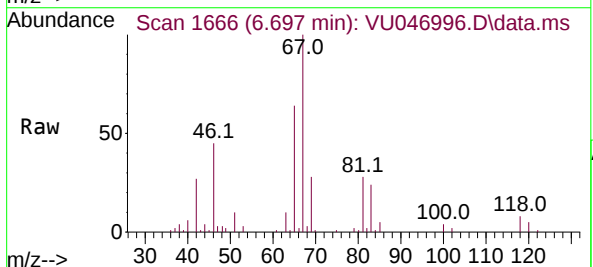
Instrument :  
MSVOA\_U  
ClientSampleId :  
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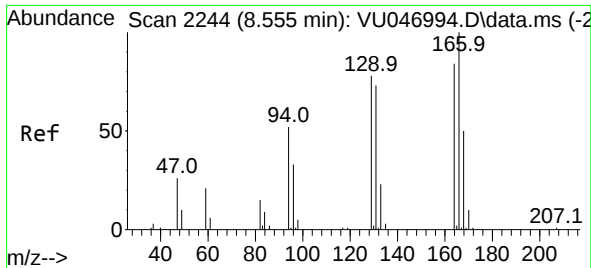
Tgt Ion: 83 Resp: 10775  
Ion Ratio Lower Upper  
83 100  
55 1.0 61.9 92.9#  
98 0.6 39.0 58.6#



#37  
1,2-Dichloropropane  
Concen: 0.725 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.097 min  
Lab File: VU046996.D  
Acq: 02 Feb 2022 12:45

Tgt Ion: 63 Resp: 4957  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#

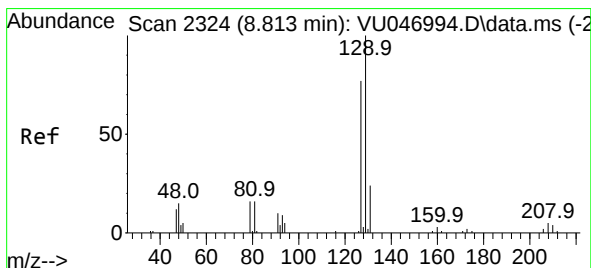
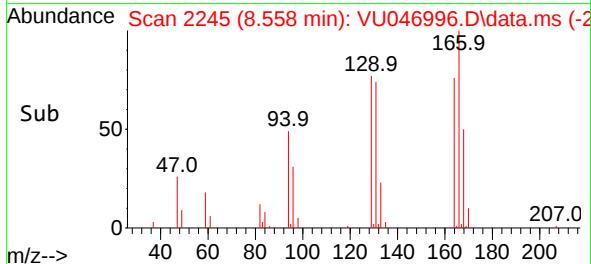
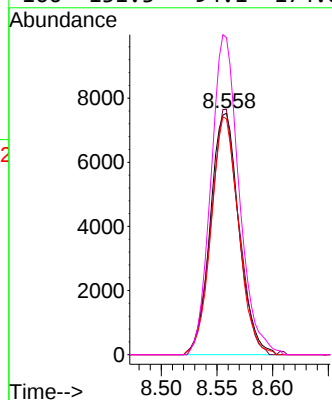
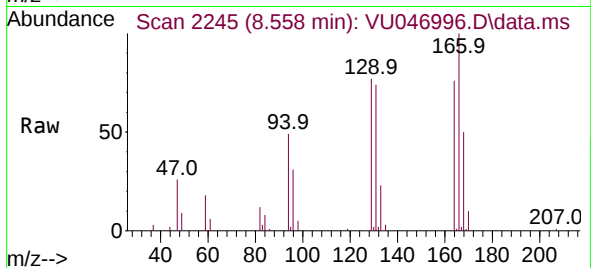




#47  
Tetrachloroethene  
Concen: 2.284 ug/L  
RT: 8.558 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU046996.D  
Acq: 02 Feb 2022 12:45

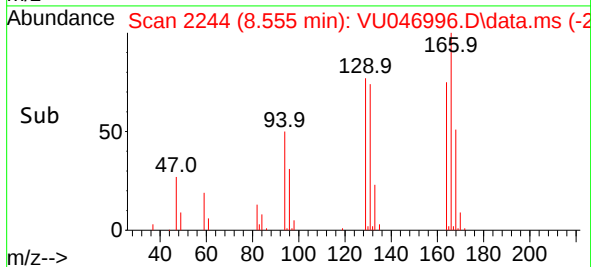
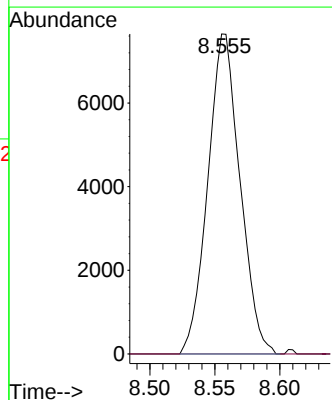
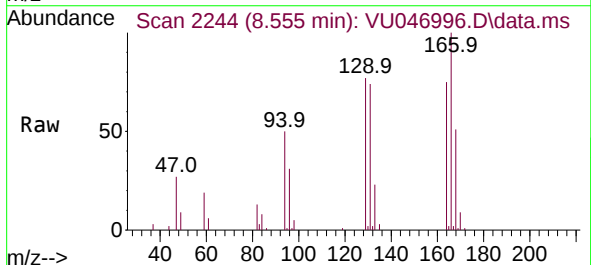
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX5

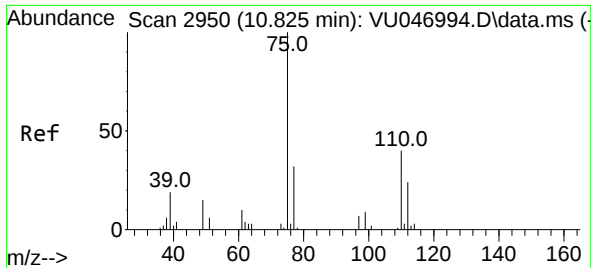
Tgt Ion:164 Resp: 13449  
Ion Ratio Lower Upper  
164 100  
129 101.5 71.8 133.4  
131 97.8 68.5 127.3  
166 131.3 94.1 174.8



#49  
Dibromochloromethane  
Concen: 1.918 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.257 min  
Lab File: VU046996.D  
Acq: 02 Feb 2022 12:45

Tgt Ion:129 Resp: 13167  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.4 102.8#





#61

1,2,3-Trichloropropane

Concen: 1.440 ug/L

RT: 11.816 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU046996.D

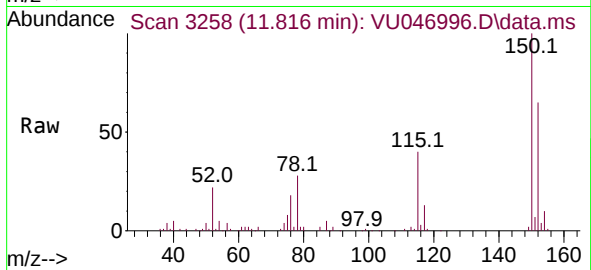
Acq: 02 Feb 2022 12:45

Instrument :

MSVOA\_U

ClientSampleId :

BFX5



Tgt Ion: 75 Resp: 6812

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 31.9 25.5 38.3

