

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011922\  
 Data File : VU046797.D  
 Acq On : 19 Jan 2022 14:36  
 Operator : SY/MD  
 Sample : N1194-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX1

Quant Time: Jan 20 02:02:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Jan 20 02:00:32 2022  
 Response via : Initial Calibration

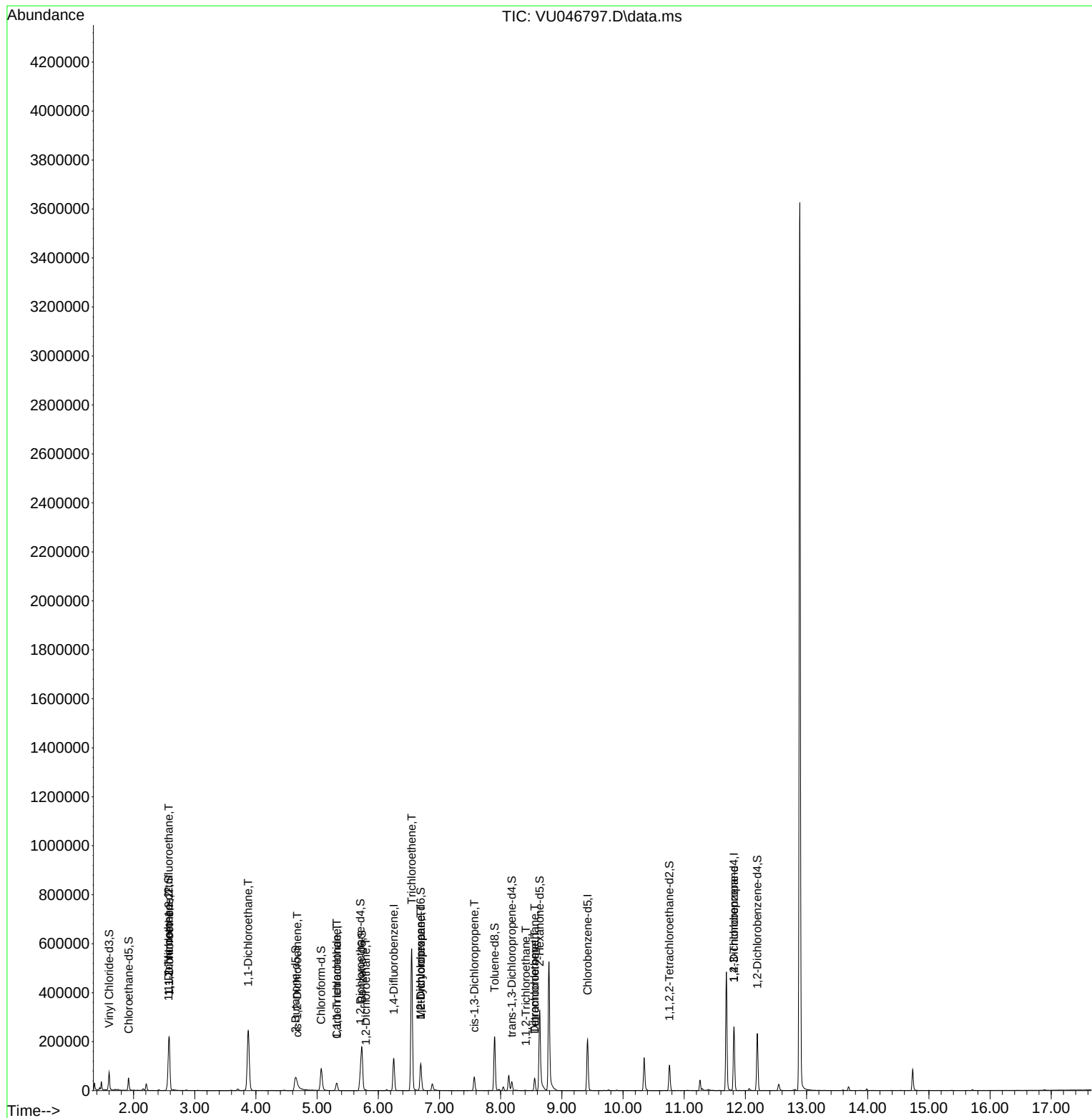
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 113104   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 122259   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 70637    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 46421    | 4.844    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 96.800%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 38704    | 5.126    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 102.600% |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65    | 19159    | 5.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 100.600% |
| 20) 2-Butanone-d5             | 4.649  | 46    | 135110   | 47.586   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.180%  |
| 24) Chloroform-d              | 5.067  | 84    | 83522    | 4.964    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.706  | 65    | 46201    | 5.043    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.800% |
| 32) Benzene-d6                | 5.732  | 84    | 174209   | 4.848    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 97.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 54435    | 5.046    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.000% |
| 41) Toluene-d8                | 7.899  | 98    | 148944   | 4.529    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 90.600%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 21538    | 4.546    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 91.000%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 143294   | 51.078   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.160% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 53735    | 4.961    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 62889    | 4.747    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 708      | 0.107    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.584  | 96    | 56074    | 8.879    | ug/L # | 76       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 283141   | 24.656   | ug/L   | 99       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 634      | 0.088    | ug/L   | 87       |
| 27) 1,2-Dichloroethane        | 5.797  | 62    | 1143     | 0.142    | ug/L # | 73       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 23281    | 2.114    | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.321  | 117   | 2995     | 0.317    | ug/L   | 99       |
| 34) Trichloroethene           | 6.546  | 95    | 201289   | 26.934   | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.694  | 83    | 12596    | 1.006    | ug/L # | 24       |
| 37) 1,2-Dichloropropane       | 6.694  | 63    | 5543     | 0.785    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.568  | 75    | 1302     | 0.118    | ug/L # | 58       |
| 45) 1,1,2-Trichloroethane     | 8.411  | 97    | 568      | 0.095    | ug/L   | 85       |
| 47) Tetrachloroethene         | 8.555  | 164   | 11290    | 1.857    | ug/L   | 93       |
| 49) Dibromochloromethane      | 8.555  | 129   | 10408    | 1.469    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 8629     | 1.442    | ug/L # | 64       |
| -----                         |        |       |          |          |        |          |

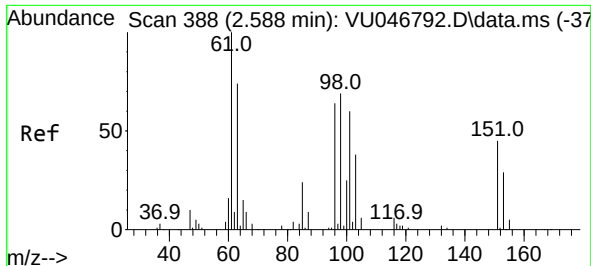
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Jan 20 02:00:32 2022  
Response via : Initial Calibration

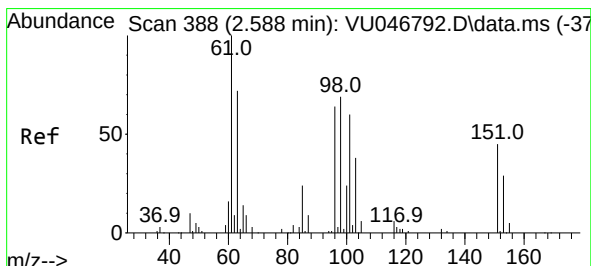
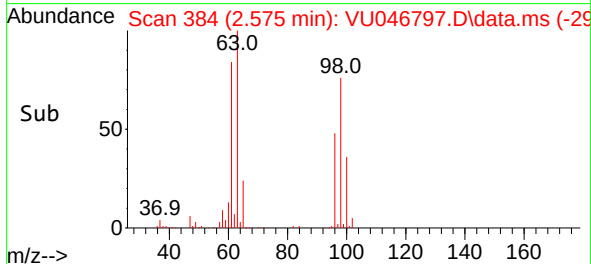
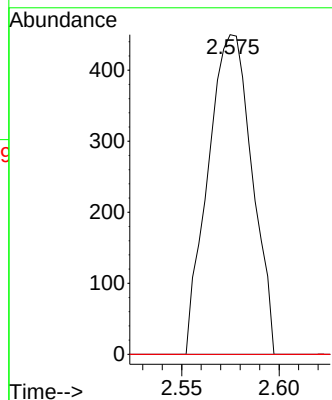
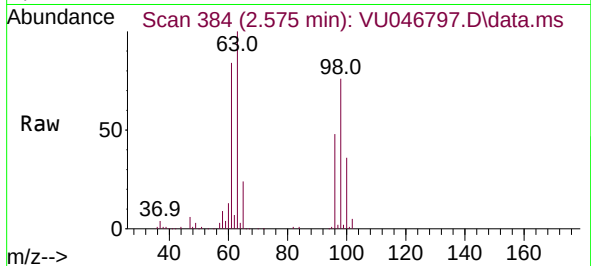




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.107 ug/L  
RT: 2.575 min Scan# 31  
Delta R.T. -0.013 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

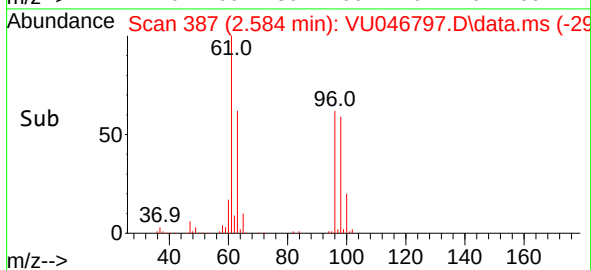
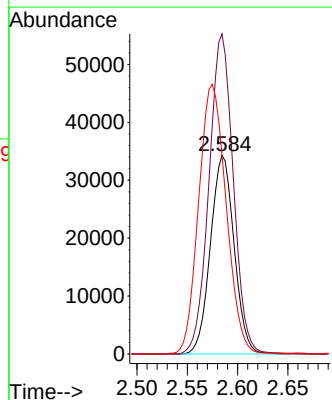
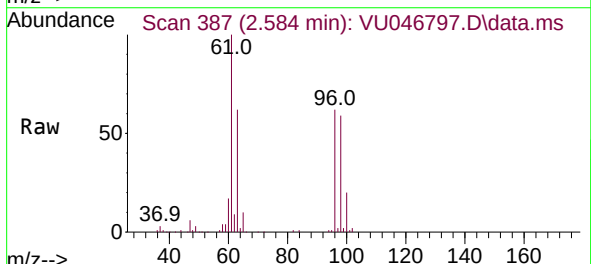
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFXX1

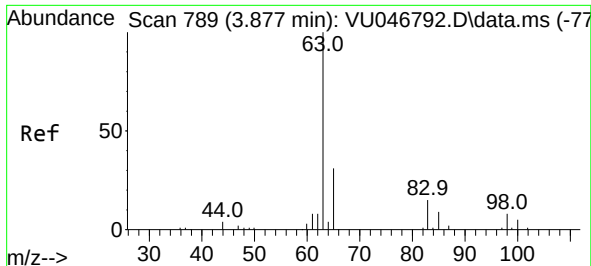
Tgt Ion:101 Resp: 708  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.6 51.8#  
151 0.0 56.1 84.1#



#12  
1,1-Dichloroethene  
Concen: 8.879 ug/L  
RT: 2.584 min Scan# 387  
Delta R.T. -0.003 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

Tgt Ion: 96 Resp: 56074  
Ion Ratio Lower Upper  
96 100  
61 161.2 124.7 231.5  
63 100.7 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 24.656 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU046797.D

Acq: 19 Jan 2022 14:36

Instrument :

MSVOA\_U

ClientSampleId :

BFX1

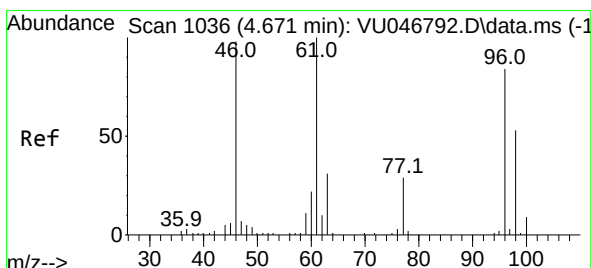
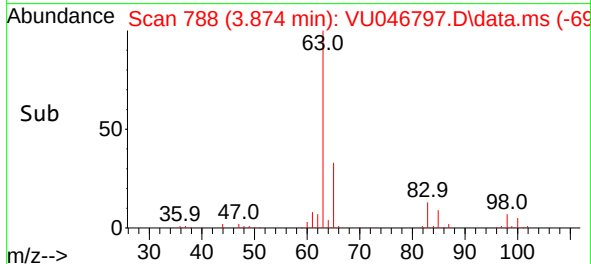
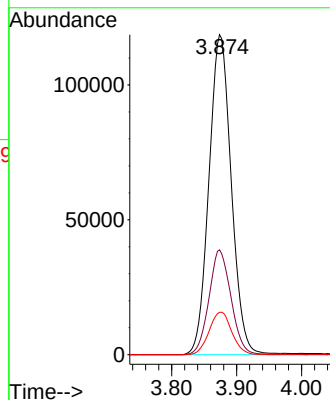
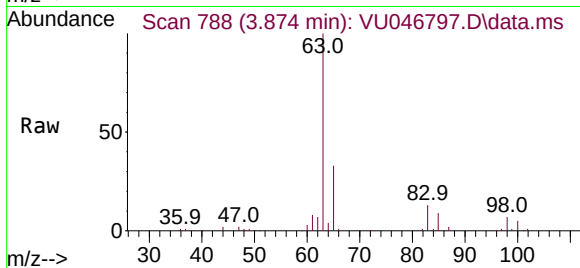
Tgt Ion: 63 Resp: 283141

Ion Ratio Lower Upper

63 100

65 32.8 22.3 41.5

83 13.2 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.088 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU046797.D

Acq: 19 Jan 2022 14:36

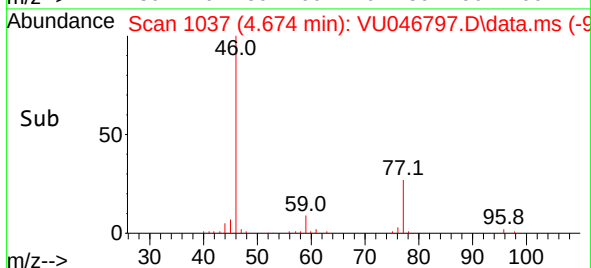
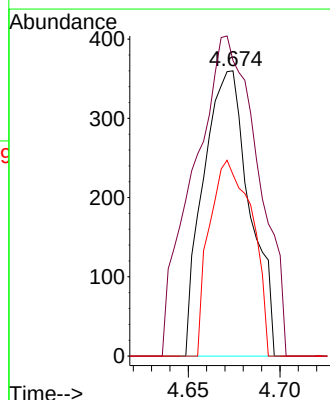
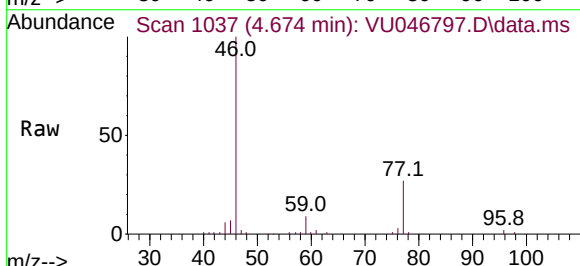
Tgt Ion: 96 Resp: 634

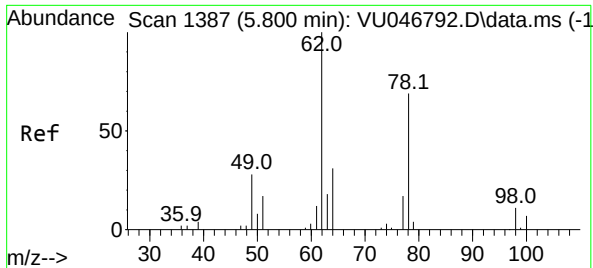
Ion Ratio Lower Upper

96 100

61 103.6 88.5 164.3

98 63.6 44.4 82.5

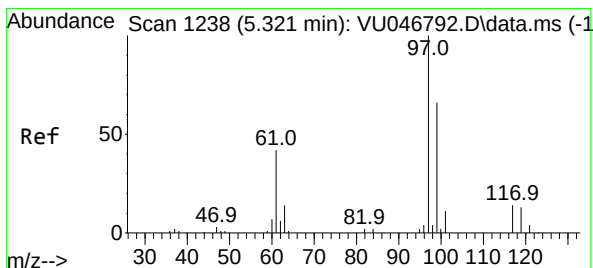
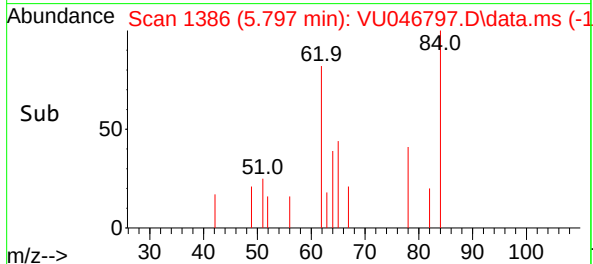
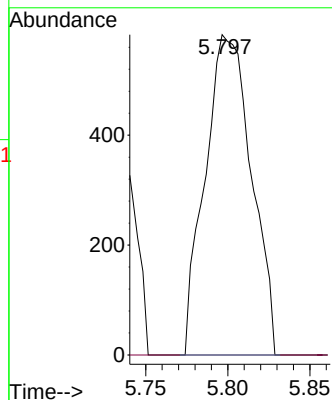
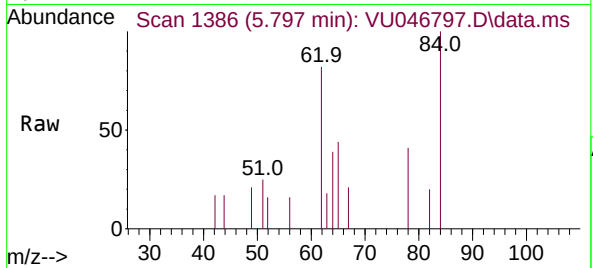




#27  
1,2-Dichloroethane  
Concen: 0.142 ug/L  
RT: 5.797 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

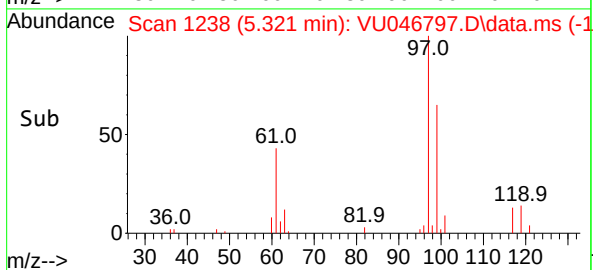
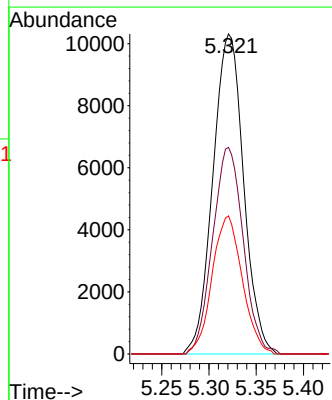
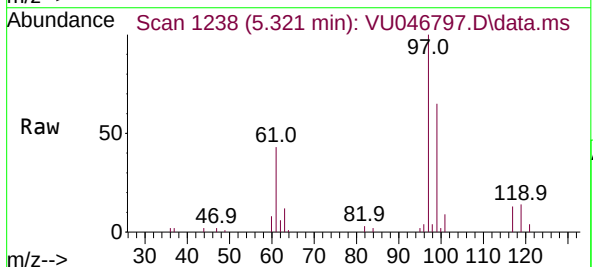
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX1

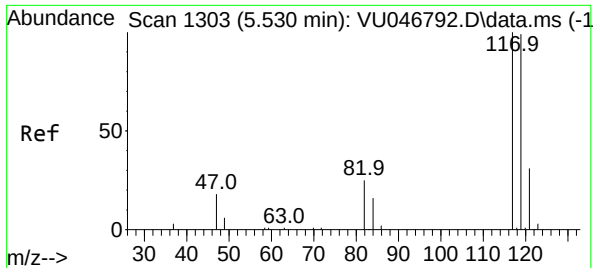
Tgt Ion: 62 Resp: 1143  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.8 11.8#



#29  
1,1,1-Trichloroethane  
Concen: 2.114 ug/L  
RT: 5.321 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

Tgt Ion: 97 Resp: 23281  
Ion Ratio Lower Upper  
97 100  
99 64.2 51.3 76.9  
61 42.4 36.1 54.1

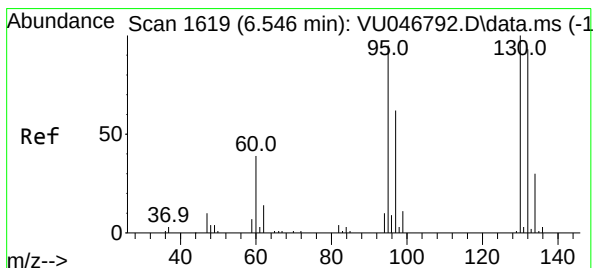
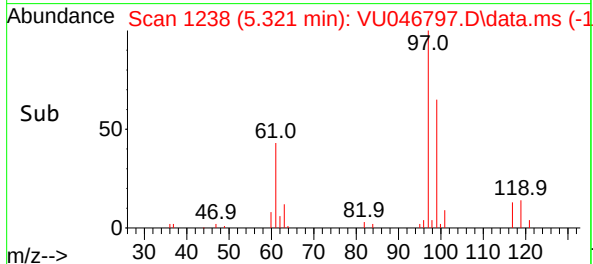
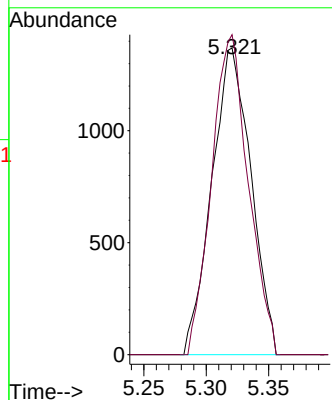
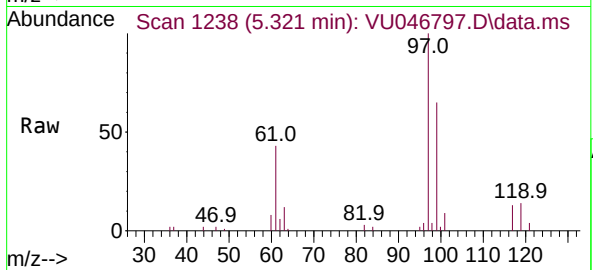




#31  
Carbon tetrachloride  
Concen: 0.317 ug/L  
RT: 5.321 min Scan# 117  
Delta R.T. -0.209 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

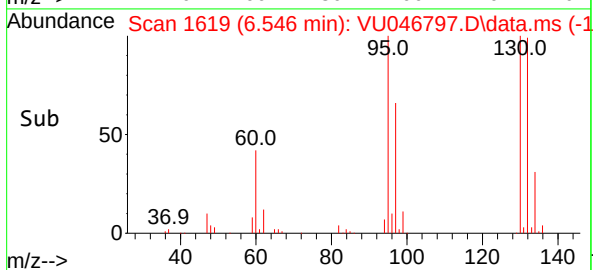
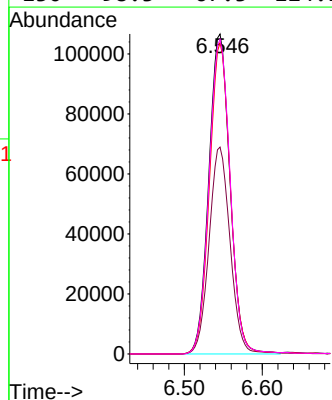
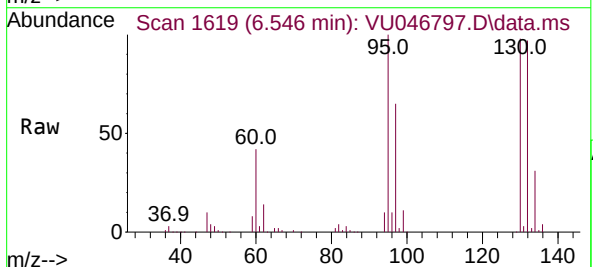
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ClientSampleId :  
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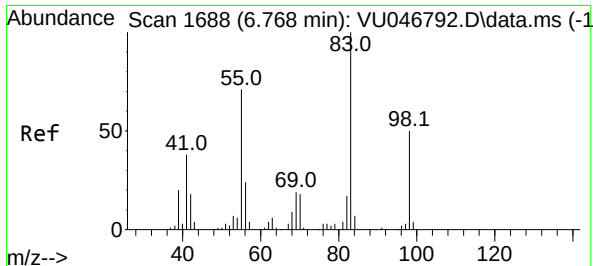
Tgt Ion:117 Resp: 2995  
Ion Ratio Lower Upper  
117 100  
119 97.9 77.5 116.3



#34  
Trichloroethene  
Concen: 26.934 ug/L  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

Tgt Ion: 95 Resp: 201289  
Ion Ratio Lower Upper  
95 100  
97 64.7 46.5 86.5  
132 97.3 65.1 120.9  
130 98.3 67.3 124.9

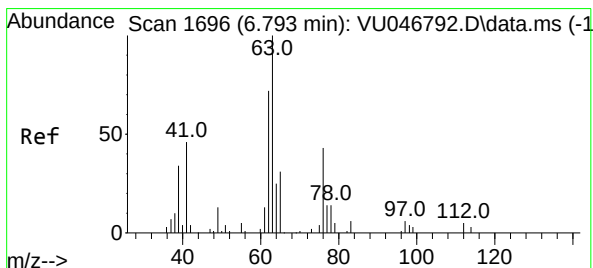
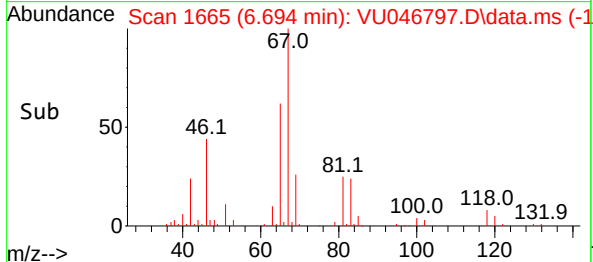
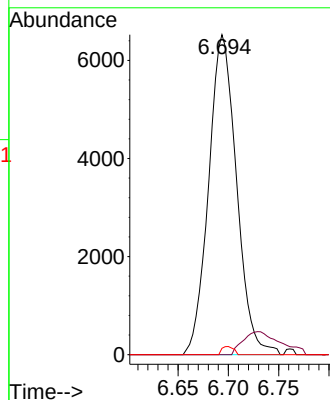
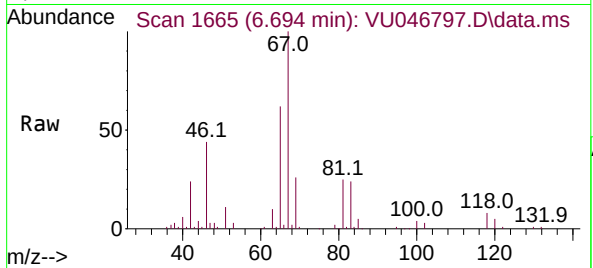




#35  
Methylcyclohexane  
Concen: 1.006 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.074 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

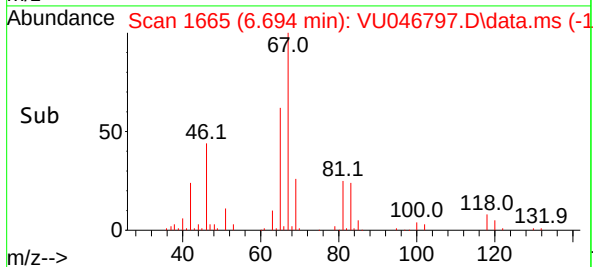
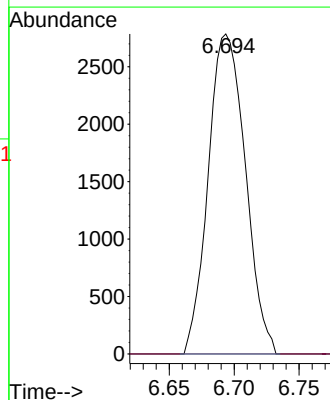
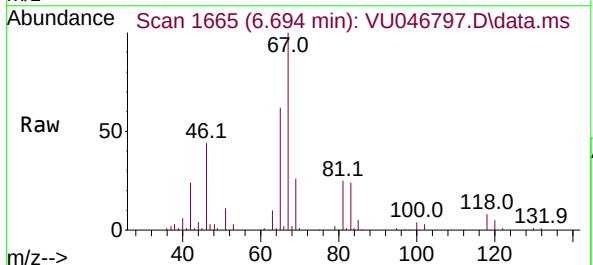
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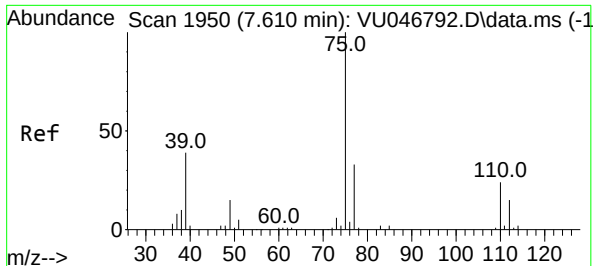
Tgt Ion: 83 Resp: 12596  
Ion Ratio Lower Upper  
83 100  
55 9.6 61.9 92.9#  
98 0.0 39.0 58.6#



#37  
1,2-Dichloropropane  
Concen: 0.785 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.100 min  
Lab File: VU046797.D  
Acq: 19 Jan 2022 14:36

Tgt Ion: 63 Resp: 5543  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.118 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046797.D

Acq: 19 Jan 2022 14:36

Instrument :

MSVOA\_U

ClientSampleId :

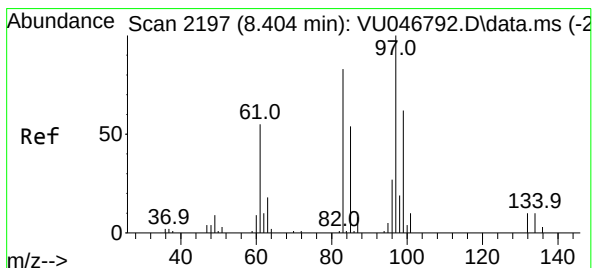
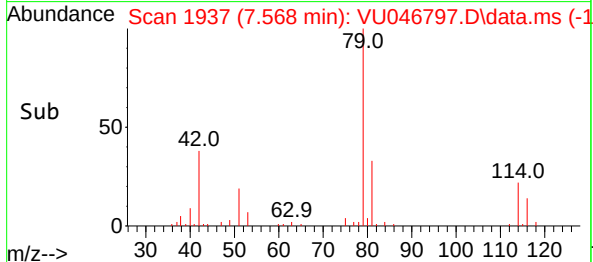
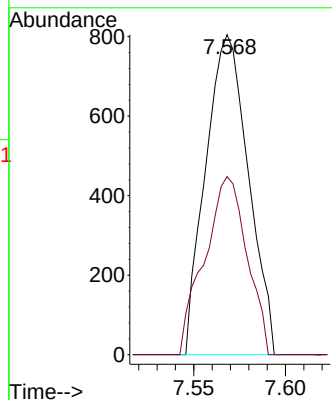
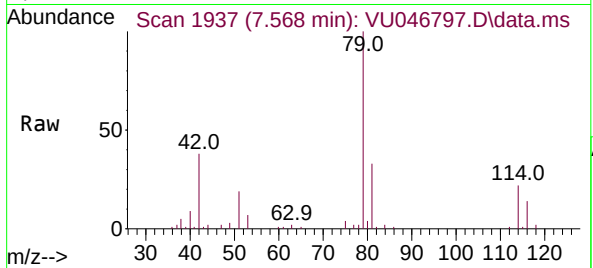
BFX1

Tgt Ion: 75 Resp: 1302

Ion Ratio Lower Upper

75 100

77 55.7 22.5 41.9#



#45

1,1,2-Trichloroethane

Concen: 0.095 ug/L

RT: 8.411 min Scan# 2199

Delta R.T. 0.006 min

Lab File: VU046797.D

Acq: 19 Jan 2022 14:36

Tgt Ion: 97 Resp: 568

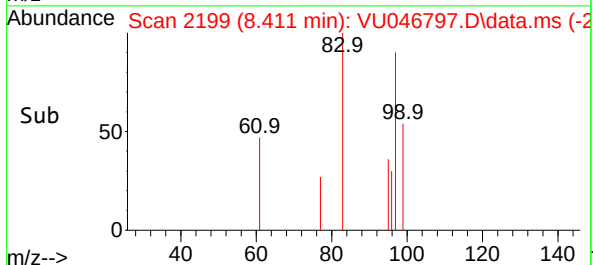
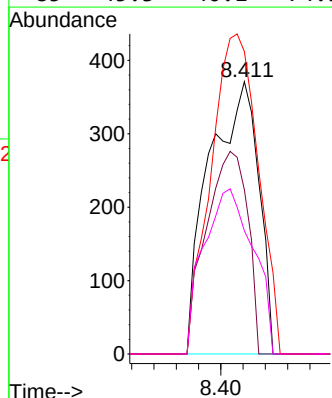
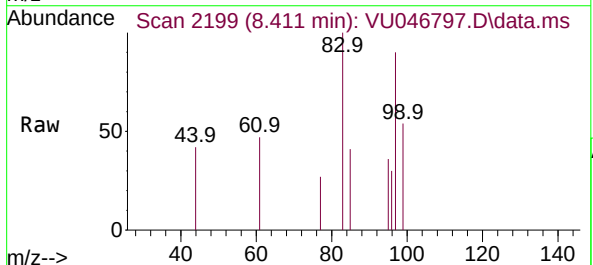
Ion Ratio Lower Upper

97 100

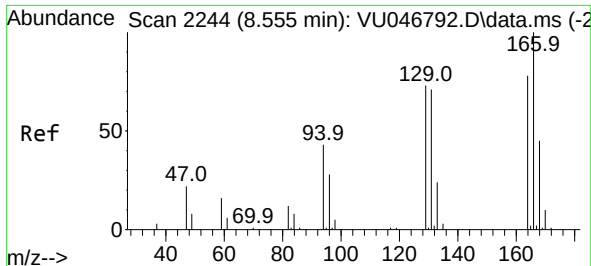
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83 111.1 62.0 115.2

85 45.3 40.1 74.5







#47

Tetrachloroethene

Concen: 1.857 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046797.D

Acq: 19 Jan 2022 14:36

Instrument :

MSVOA\_U

ClientSampleId :

BFX1

Tgt Ion:164 Resp: 11290

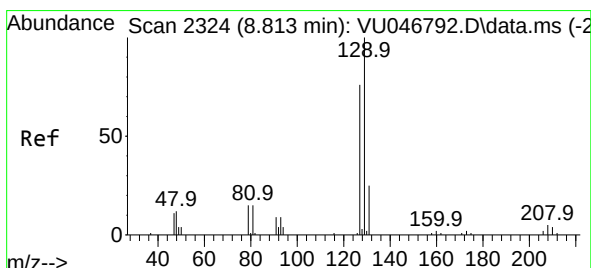
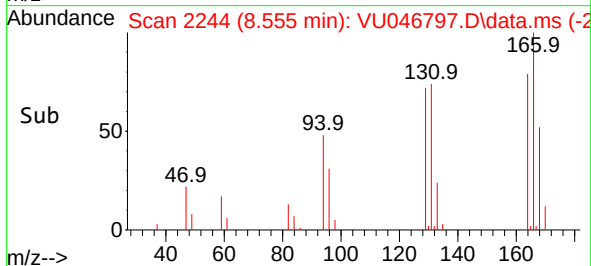
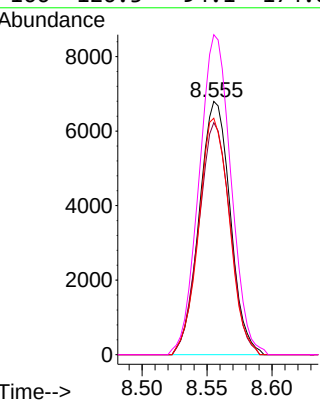
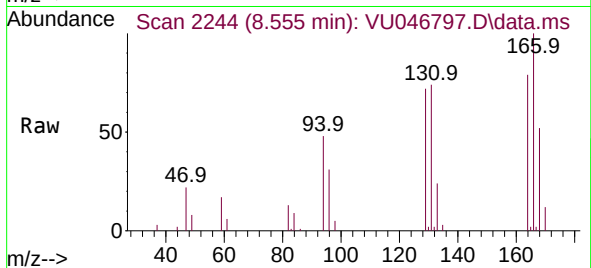
Ion Ratio Lower Upper

164 100

129 91.6 71.8 133.4

131 93.4 68.5 127.3

166 126.3 94.1 174.8



#49

Dibromochloromethane

Concen: 1.469 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU046797.D

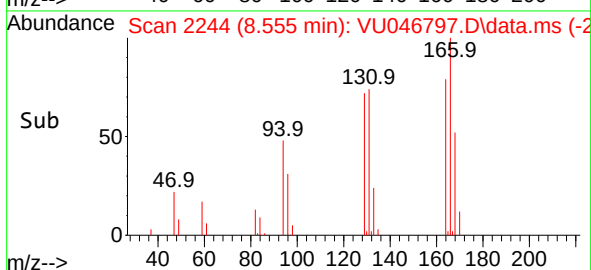
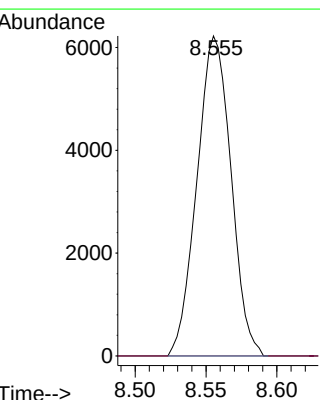
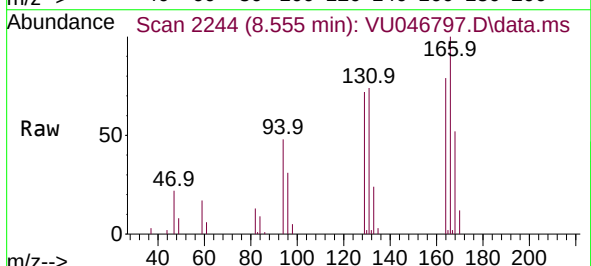
Acq: 19 Jan 2022 14:36

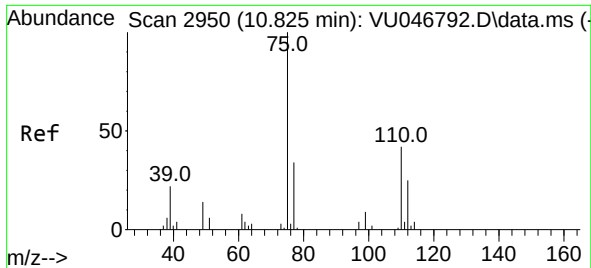
Tgt Ion:129 Resp: 10408

Ion Ratio Lower Upper

129 100

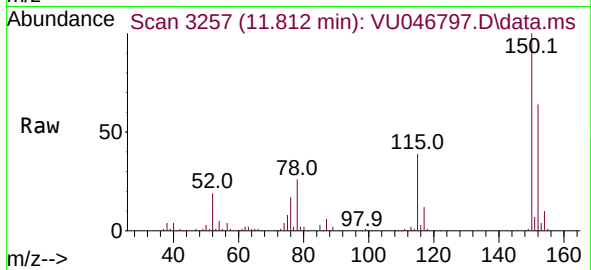
127 0.0 55.4 102.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.442 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU046797.D  
 Acq: 19 Jan 2022 14:36

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX1



Tgt Ion: 75 Resp: 8629  
 Ion Ratio Lower Upper  
 75 100  
 110 0.0 29.9 44.9#  
 77 28.6 25.5 38.3

