

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012722\  
 Data File : VU046861.D  
 Acq On : 27 Jan 2022 11:12  
 Operator : SY/MD  
 Sample : N1260-07DL 5X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFX8DL

Quant Time: Jan 28 00:58:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jan 28 00:56:24 2022  
 Response via : Initial Calibration

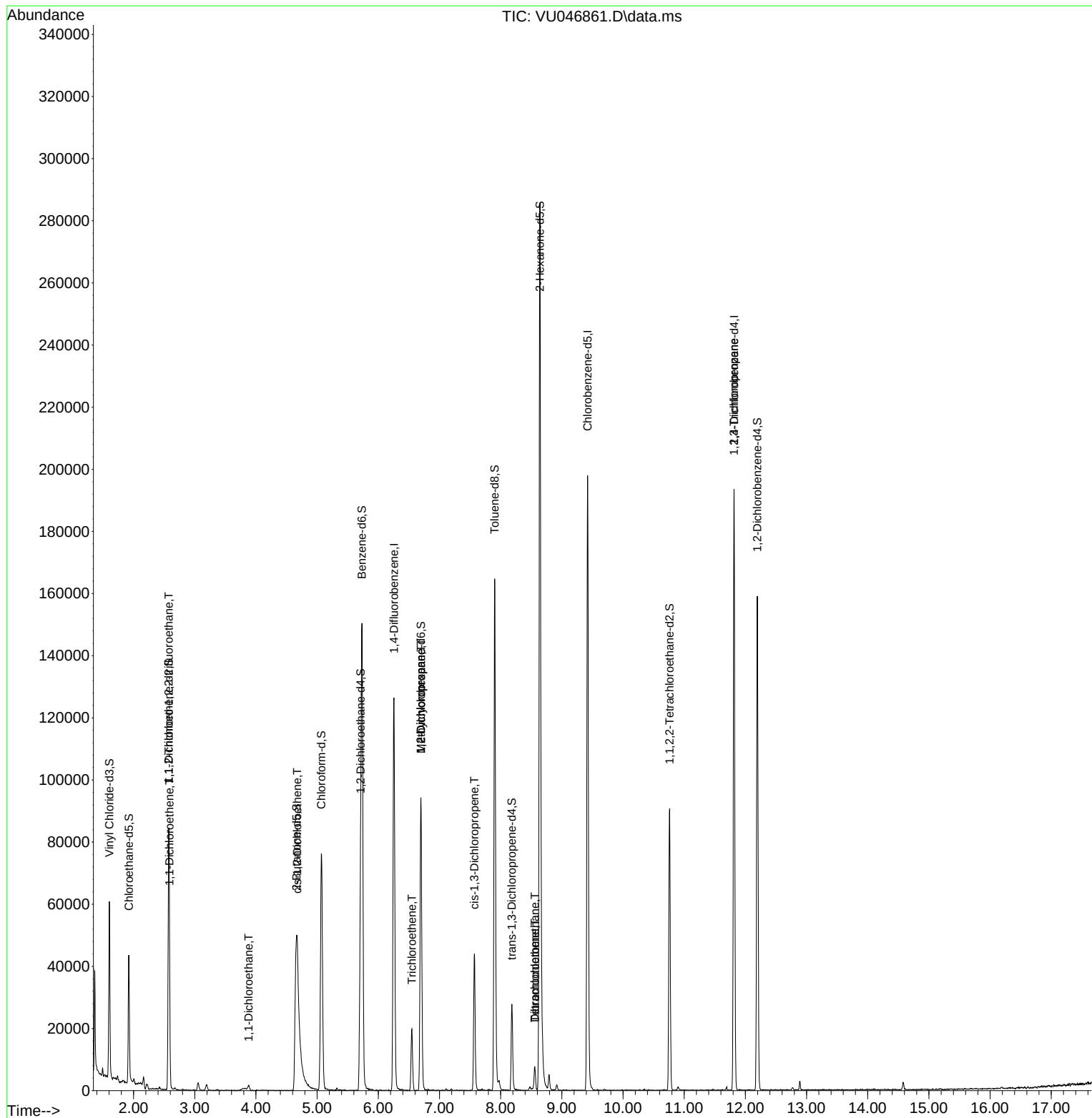
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 108074   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 116034   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815 | 152   | 51689    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 36951    | 4.035    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.600%  |
| 7) Chloroethane-d5            | 1.922  | 69    | 32074    | 4.445    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 15597    | 4.282    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.600%  |
| 20) 2-Butanone-d5             | 4.665  | 46    | 135738   | 50.033   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.060% |
| 24) Chloroform-d              | 5.070  | 84    | 74572    | 4.639    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 42725    | 4.880    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.600%  |
| 32) Benzene-d6                | 5.732  | 84    | 143157   | 4.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.697  | 67    | 45216    | 4.416    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 88.400%  |
| 41) Toluene-d8                | 7.902  | 98    | 114868   | 3.680    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 73.600%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 16814    | 3.739    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 74.800%  |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 114330   | 42.940   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 85.880%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84    | 46637    | 4.537    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 43621    | 4.500    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 496      | 0.079    | ug/L # | 21       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 1768     | 0.293    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 2248     | 0.205    | ug/L # | 85       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 2548     | 0.370    | ug/L   | 88       |
| 34) Trichloroethene           | 6.549  | 95    | 6844     | 0.965    | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.697  | 83    | 11549    | 0.972    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.697  | 63    | 4907     | 0.732    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.571  | 75    | 996      | 0.095    | ug/L # | 60       |
| 47) Tetrachloroethene         | 8.558  | 164   | 1726     | 0.299    | ug/L   | 88       |
| 49) Dibromochloromethane      | 8.558  | 129   | 1561     | 0.232    | ug/L # | 10       |
| 61) 1,2,3-Trichloropropane    | 11.812 | 75    | 6508     | 1.486    | ug/L # | 68       |
| -----                         |        |       |          |          |        |          |

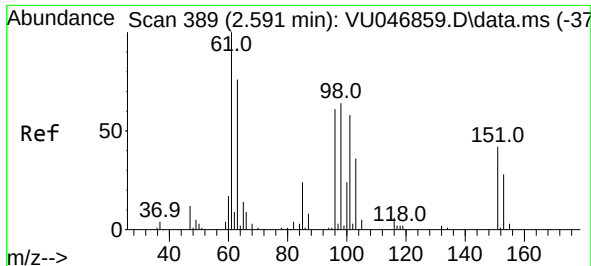
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 28 00:56:24 2022  
Response via : Initial Calibration

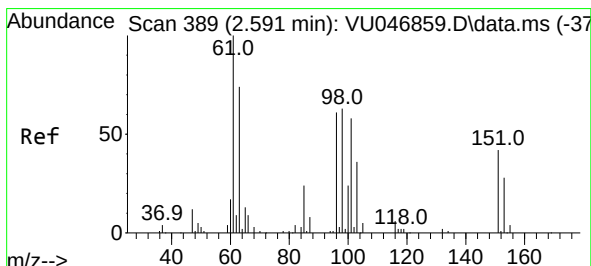
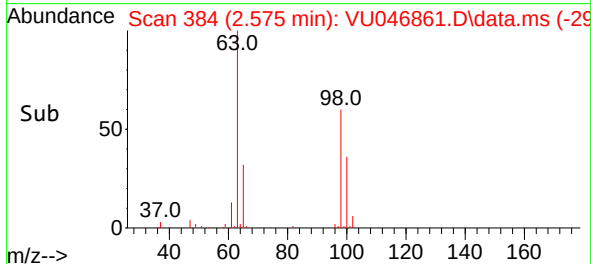
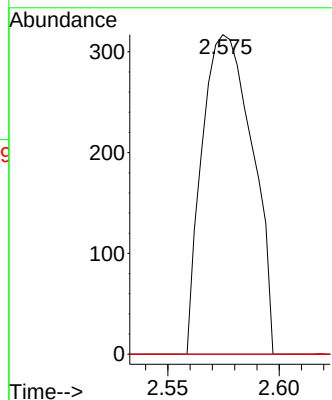
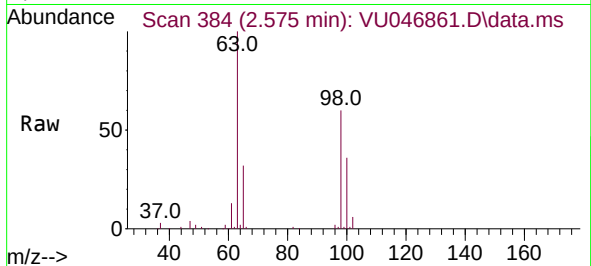




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.079 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.016 min  
Lab File: VU046861.D  
Acq: 27 Jan 2022 11:12

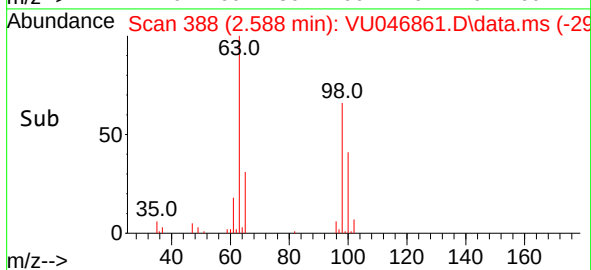
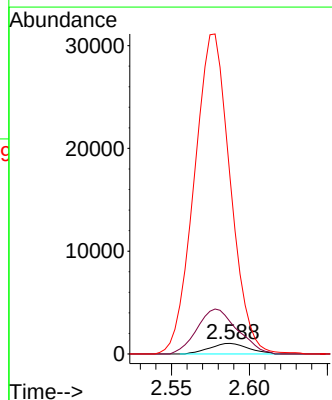
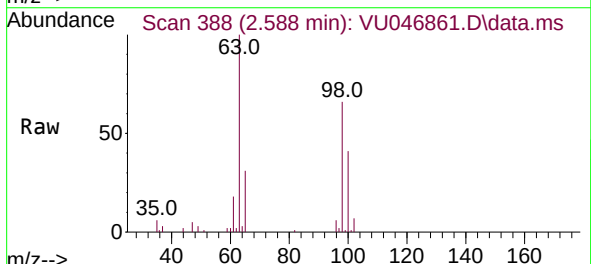
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX8DL

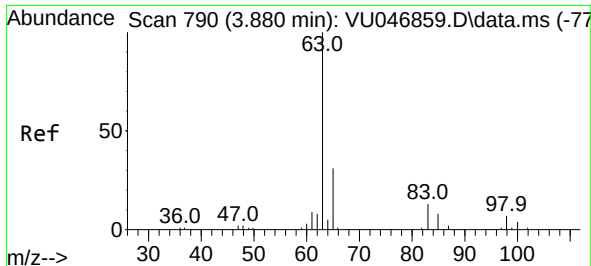
Tgt Ion:101 Resp: 496  
Ion Ratio Lower Upper  
101 100  
85 0.0 34.6 51.8#  
151 0.0 56.1 84.1#



#12  
1,1-Dichloroethene  
Concen: 0.293 ug/L  
RT: 2.588 min Scan# 388  
Delta R.T. -0.003 min  
Lab File: VU046861.D  
Acq: 27 Jan 2022 11:12

Tgt Ion: 96 Resp: 1768  
Ion Ratio Lower Upper  
96 100  
61 306.6 124.7 231.5#  
63 1671.3 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.205 ug/L

RT: 3.880 min Scan# 790

Delta R.T. -0.000 min

Lab File: VU046861.D

Acq: 27 Jan 2022 11:12

Instrument :

MSVOA\_U

ClientSampleId :

BFX8DL

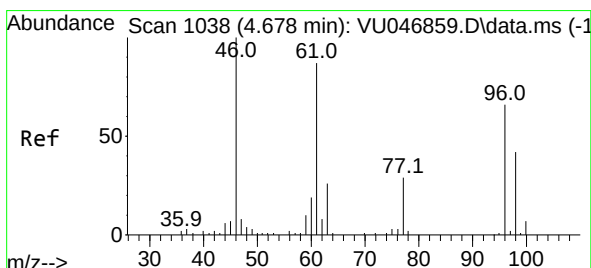
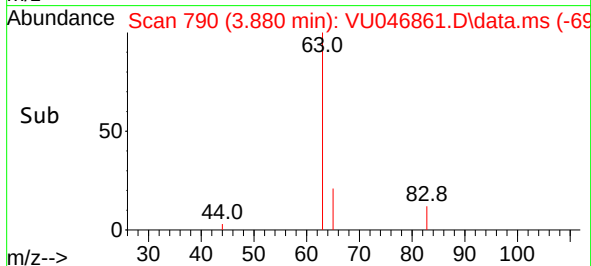
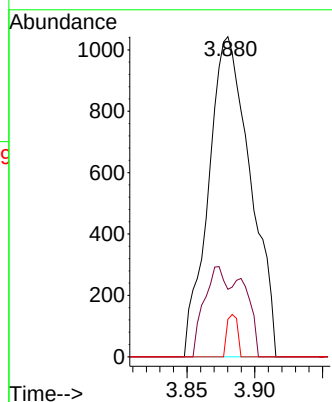
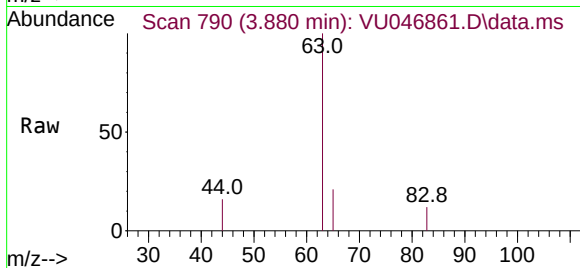
Tgt Ion: 63 Resp: 2248

Ion Ratio Lower Upper

63 100

65 21.1 22.3 41.5#

83 11.7 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 0.370 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.003 min

Lab File: VU046861.D

Acq: 27 Jan 2022 11:12

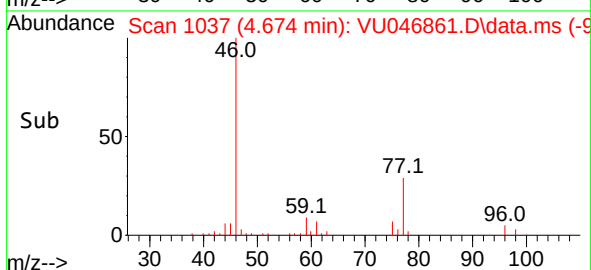
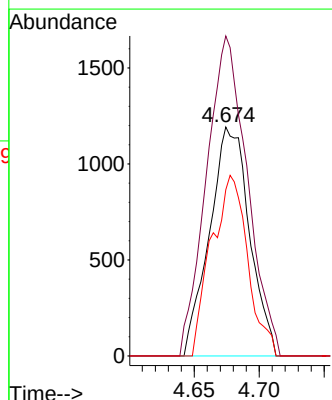
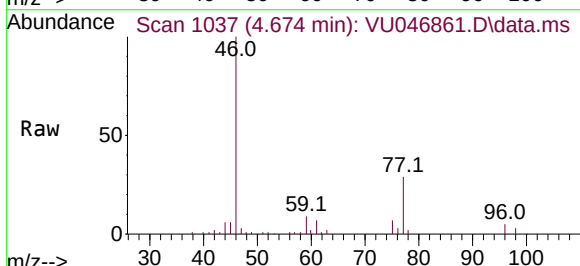
Tgt Ion: 96 Resp: 2548

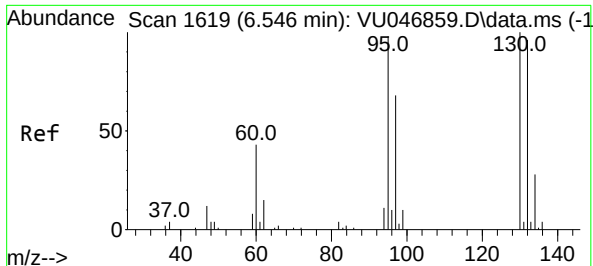
Ion Ratio Lower Upper

96 100

61 139.7 88.5 164.3

98 72.6 44.4 82.5

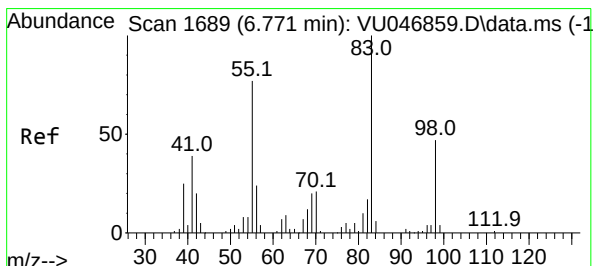
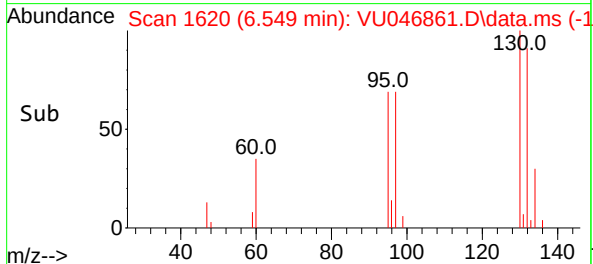
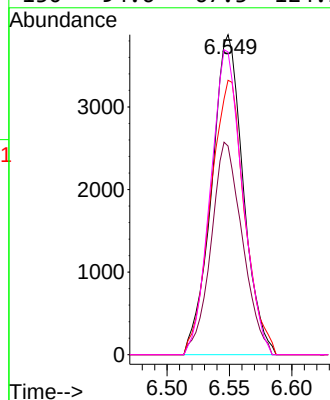
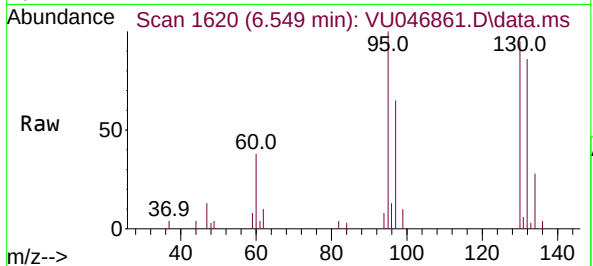




#34  
Trichloroethene  
Concen: 0.965 ug/L  
RT: 6.549 min Scan# 1666  
Delta R.T. 0.003 min  
Lab File: VU046861.D  
Acq: 27 Jan 2022 11:12

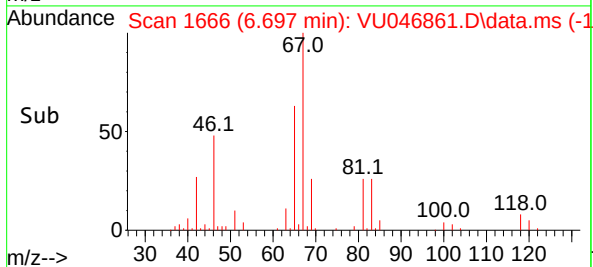
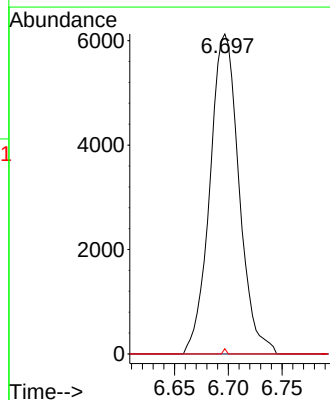
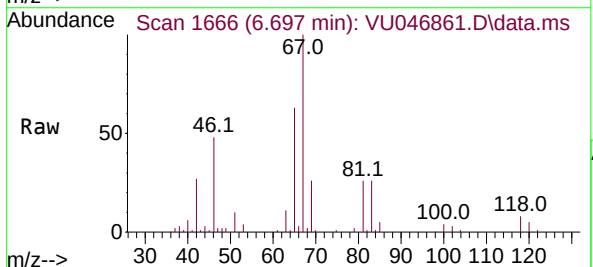
Instrument :  
MSVOA\_U  
ClientSampleId :  
BFX8DL

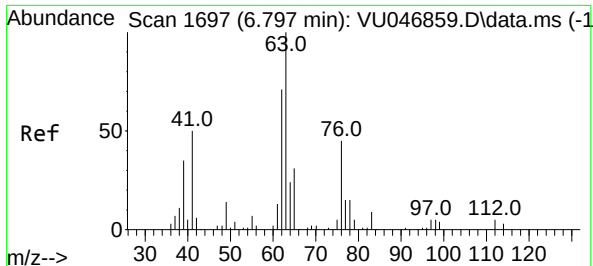
Tgt Ion: 95 Resp: 6844  
Ion Ratio Lower Upper  
95 100  
97 65.2 46.5 86.5  
132 85.8 65.1 120.9  
130 94.6 67.3 124.9



#35  
Methylcyclohexane  
Concen: 0.972 ug/L  
RT: 6.697 min Scan# 1666  
Delta R.T. -0.074 min  
Lab File: VU046861.D  
Acq: 27 Jan 2022 11:12

Tgt Ion: 83 Resp: 11549  
Ion Ratio Lower Upper  
83 100  
55 0.0 61.9 92.9#  
98 0.2 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.732 ug/L

RT: 6.697 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046861.D

Acq: 27 Jan 2022 11:12

Instrument :

MSVOA\_U

ClientSampleId :

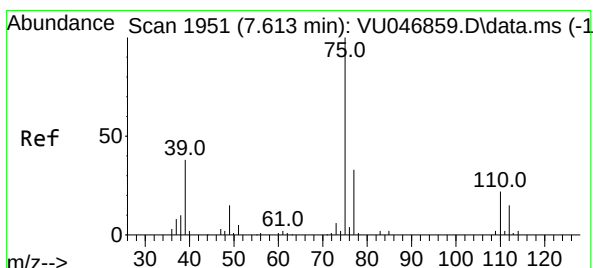
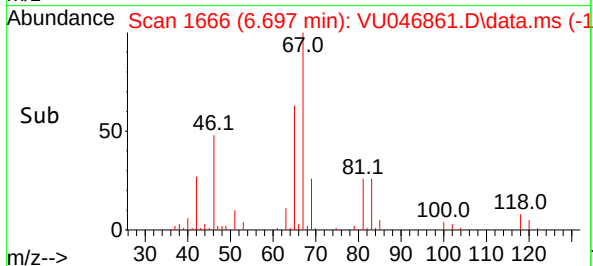
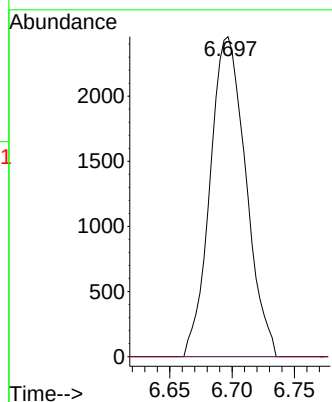
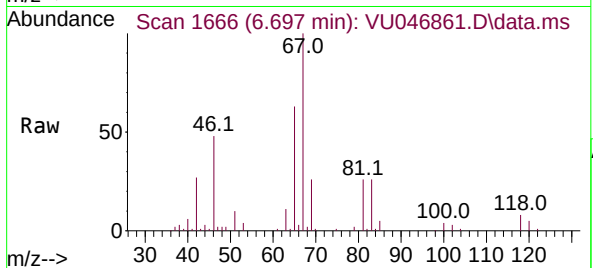
BFX8DL

Tgt Ion: 63 Resp: 4907

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.095 ug/L

RT: 7.571 min Scan# 1938

Delta R.T. -0.042 min

Lab File: VU046861.D

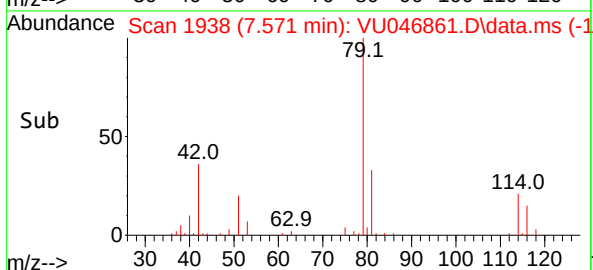
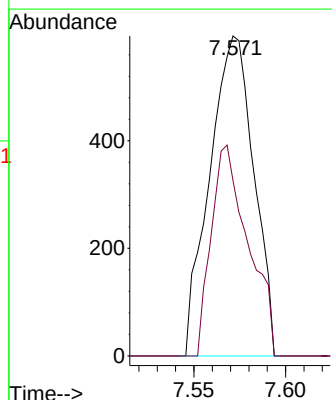
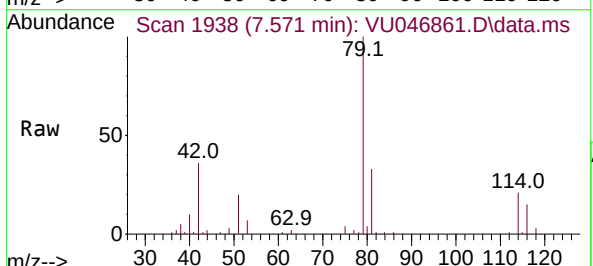
Acq: 27 Jan 2022 11:12

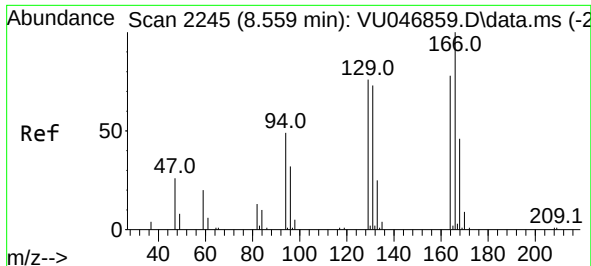
Tgt Ion: 75 Resp: 996

Ion Ratio Lower Upper

75 100

77 54.8 22.5 41.9#





#47

Tetrachloroethene

Concen: 0.299 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.000 min

Lab File: VU046861.D

Acq: 27 Jan 2022 11:12

Instrument :

MSVOA\_U

ClientSampleId :

BFX8DL

Tgt Ion:164 Resp: 1726

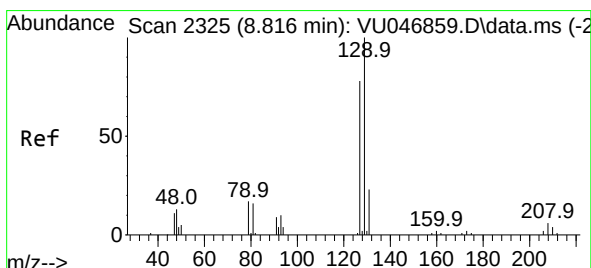
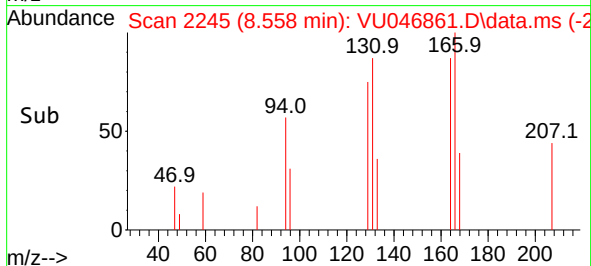
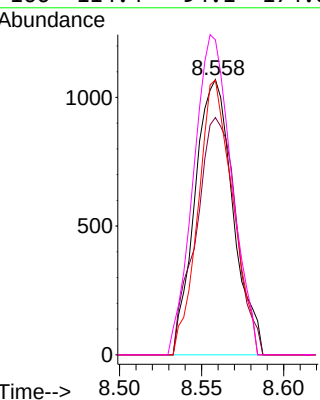
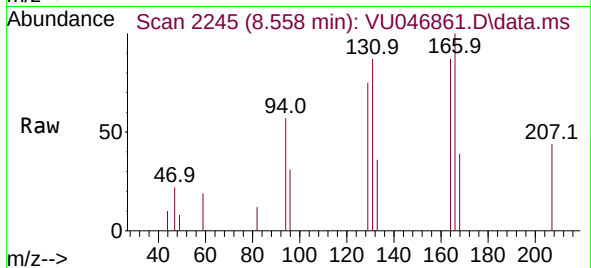
Ion Ratio Lower Upper

164 100

129 86.2 71.8 133.4

131 99.8 68.5 127.3

166 114.4 94.1 174.8



#49

Dibromochloromethane

Concen: 0.232 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.257 min

Lab File: VU046861.D

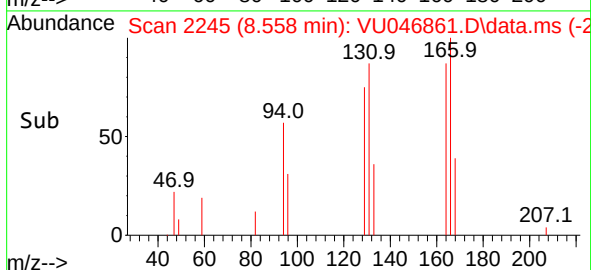
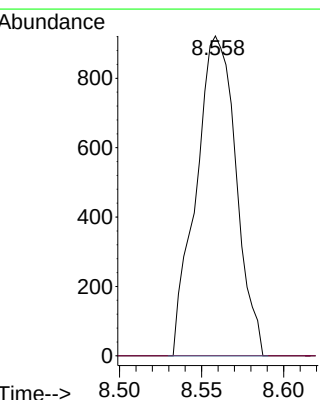
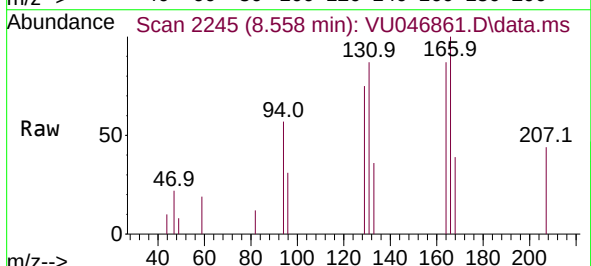
Acq: 27 Jan 2022 11:12

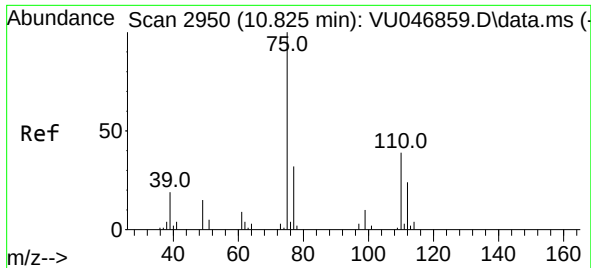
Tgt Ion:129 Resp: 1561

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#





#61  
 1,2,3-Trichloropropane  
 Concen: 1.486 ug/L  
 RT: 11.812 min Scan# 31  
 Delta R.T. 0.987 min  
 Lab File: VU046861.D  
 Acq: 27 Jan 2022 11:12

Instrument :  
 MSVOA\_U  
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Tgt Ion: 75 Resp: 6508  
 Ion Ratio Lower Upper  
 75 100  
 110 2.5 29.9 44.9#  
 77 31.0 25.5 38.3

