

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111023\  
 Data File : VU056189.D  
 Acq On : 10 Nov 2023 23:00  
 Operator : MD/SY  
 Sample : 05340-19  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 11 01:43:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR110723WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Nov 11 00:40:59 2023  
 Response via : Initial Calibration

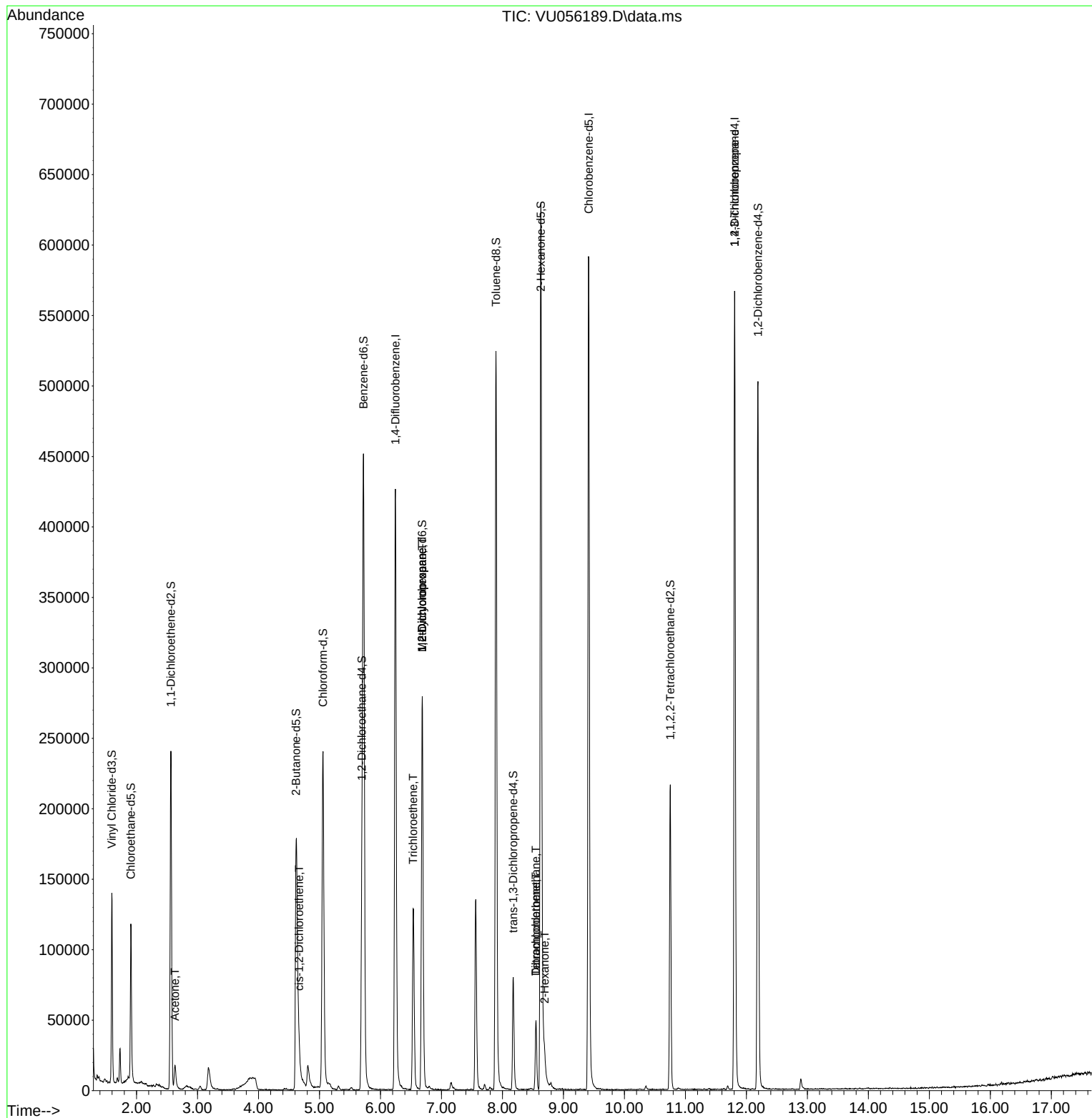
| Compound                      | R.T.   | QIon           | Response | Conc   | Units     | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|-----------|----------|
| -----                         |        |                |          |        |           |          |
| Internal Standards            |        |                |          |        |           |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114            | 363409   | 5.000  | ug/L      | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 364156   | 5.000  | ug/L      | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152            | 162289   | 5.000  | ug/L      | 0.00     |
|                               |        |                |          |        |           |          |
| System Monitoring Compounds   |        |                |          |        |           |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65             | 98129    | 4.350  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 87.000%   |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 81948    | 5.353  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 107.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 45720    | 4.601  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 92.000%   |          |
| 20) 2-Butanone-d5             | 4.618  | 46             | 266310   | 71.965 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 143.920%# |          |
| 24) Chloroform-d              | 5.058  | 84             | 227608   | 5.301  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 106.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65             | 107781   | 5.701  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 114.000%  |          |
| 32) Benzene-d6                | 5.721  | 84             | 446703   | 5.107  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 102.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67             | 141224   | 5.485  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 109.800%  |          |
| 41) Toluene-d8                | 7.894  | 98             | 371663   | 4.637  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 92.800%   |          |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79             | 48652    | 4.944  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 98.800%   |          |
| 46) 2-Hexanone-d5             | 8.630  | 63             | 221717   | 68.738 | ug/L      | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 137.480%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84             | 110182   | 5.996  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 120.000%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152            | 142125   | 5.679  | ug/L      | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 113.600%  |          |
|                               |        |                |          |        |           |          |
| Target Compounds              |        |                |          |        | Qvalue    |          |
| 13) Acetone                   | 2.631  | 43             | 23140    | 8.479  | ug/L      | 94       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96             | 4783     | 0.179  | ug/L      | 95       |
| 34) Trichloroethene           | 6.537  | 95             | 47185    | 1.657  | ug/L      | 95       |
| 35) Methylcyclohexane         | 6.685  | 83             | 33465    | 0.791  | ug/L #    | 27       |
| 37) 1,2-Dichloropropane       | 6.685  | 63             | 14768    | 0.545  | ug/L #    | 88       |
| 47) Tetrachloroethene         | 8.550  | 164            | 11719    | 0.548  | ug/L      | 97       |
| 48) 2-Hexanone                | 8.692  | 43             | 11863    | 1.374  | ug/L #    | 87       |
| 49) Dibromochloromethane      | 8.550  | 129            | 11141    | 0.524  | ug/L #    | 10       |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75             | 18197    | 1.299  | ug/L #    | 68       |
| -----                         |        |                |          |        |           |          |

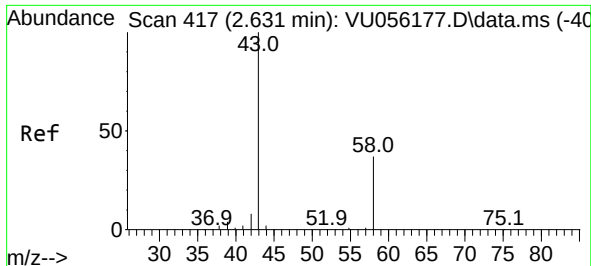
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Nov 11 00:40:59 2023  
Response via : Initial Calibration





#13

Acetone

Concen: 8.479 ug/L

RT: 2.631 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU056189.D

Acq: 10 Nov 2023 23:00

Instrument :

MSVOA\_U

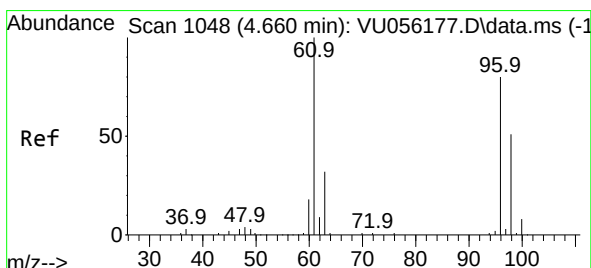
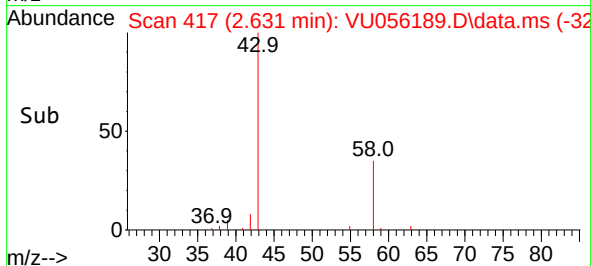
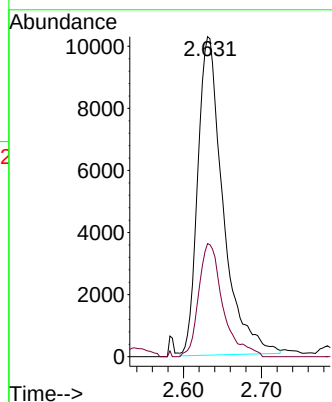
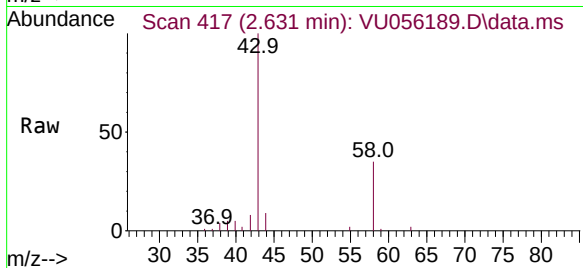
ClientSampleId :

Tgt Ion: 43 Resp: 23140

Ion Ratio Lower Upper

43 100

58 33.9 0.0 74.4



#22

cis-1,2-Dichloroethene

Concen: 0.179 ug/L

RT: 4.666 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VU056189.D

Acq: 10 Nov 2023 23:00

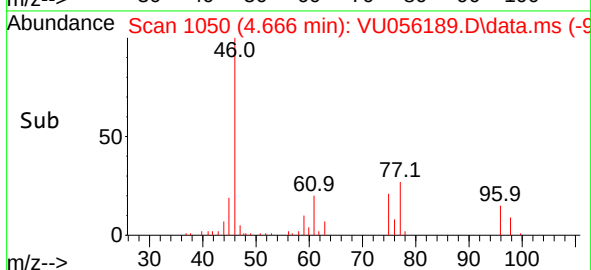
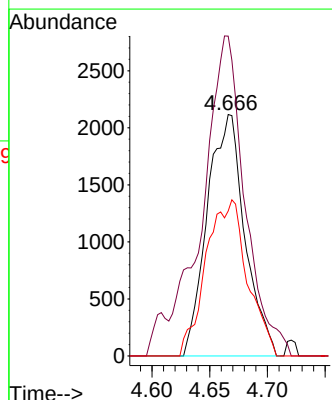
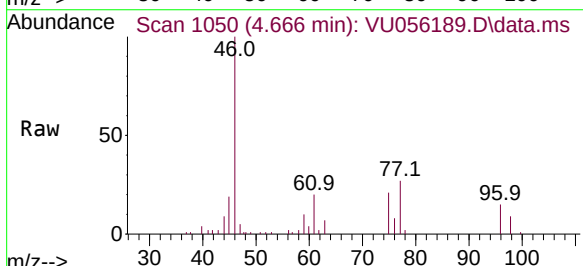
Tgt Ion: 96 Resp: 4783

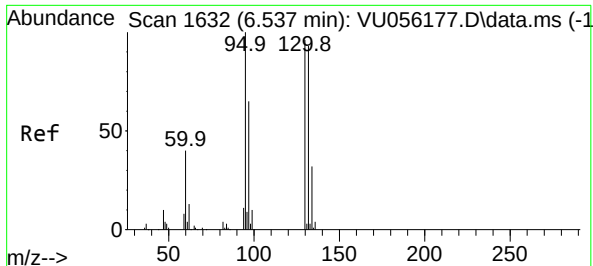
Ion Ratio Lower Upper

96 100

61 132.5 87.8 163.2

98 60.0 43.5 80.7





#34

Trichloroethene

Concen: 1.657 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

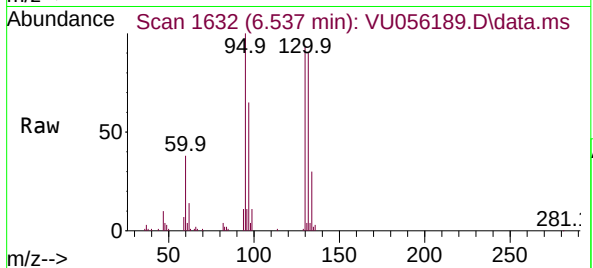
Lab File: VU056189.D

Acq: 10 Nov 2023 23:00

Instrument :

MSVOA\_U

ClientSampleId :



Tgt Ion: 95 Resp: 47185

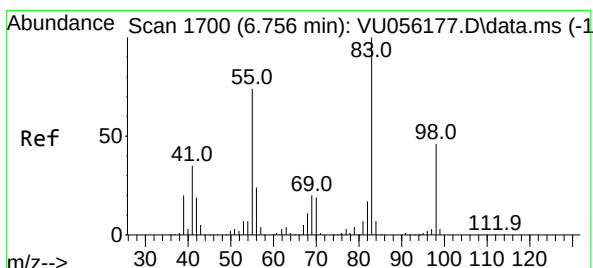
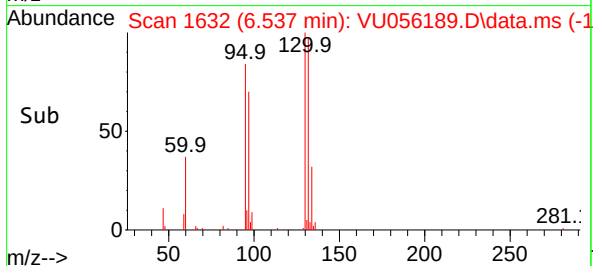
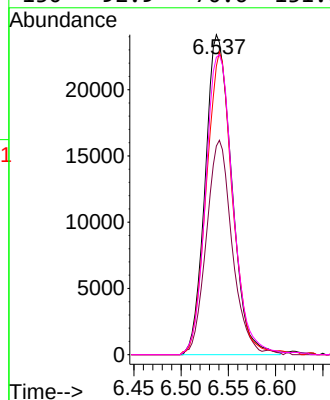
Ion Ratio Lower Upper

95 100

97 65.2 46.8 87.0

132 90.1 66.5 123.5

130 92.9 70.6 131.0



#35

Methylcyclohexane

Concen: 0.791 ug/L

RT: 6.685 min Scan# 1678

Delta R.T. -0.071 min

Lab File: VU056189.D

Acq: 10 Nov 2023 23:00

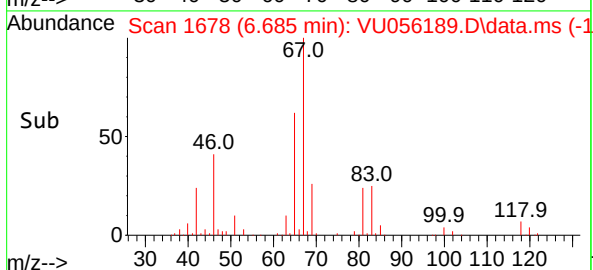
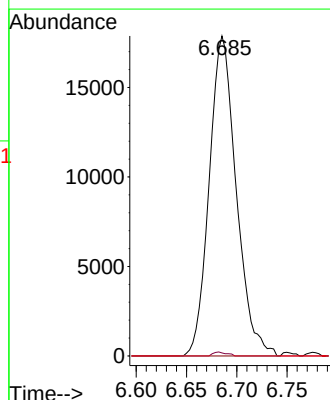
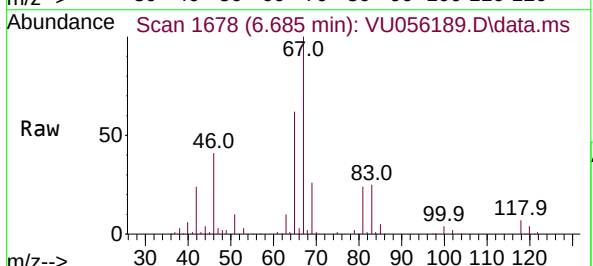
Tgt Ion: 83 Resp: 33465

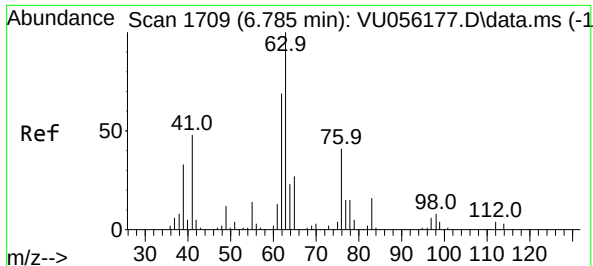
Ion Ratio Lower Upper

83 100

55 0.6 60.6 91.0#

98 13.0 36.2 54.4#





#37

1,2-Dichloropropane

Concen: 0.545 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU056189.D

Acq: 10 Nov 2023 23:00

Instrument :

MSVOA\_U

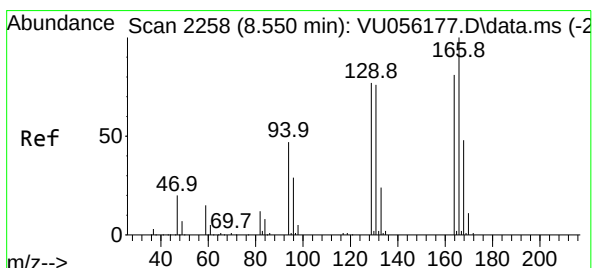
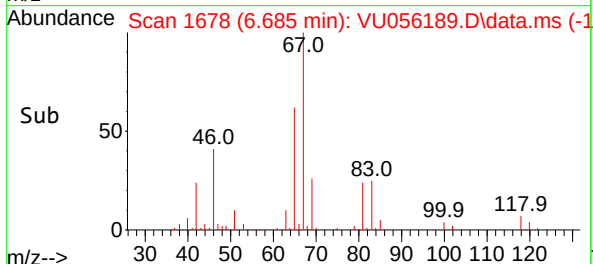
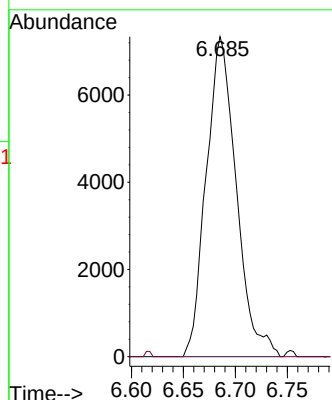
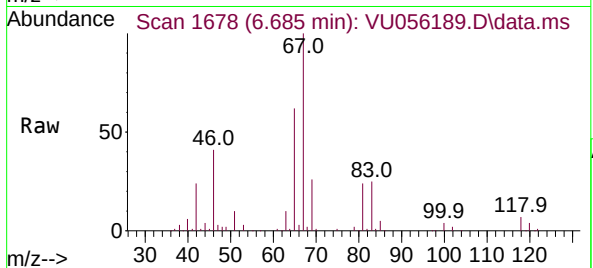
ClientSampleId :

Tgt Ion: 63 Resp: 14768

Ion Ratio Lower Upper

63 100

112 0.3 3.4 5.2#



#47

Tetrachloroethene

Concen: 0.548 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. -0.000 min

Lab File: VU056189.D

Acq: 10 Nov 2023 23:00

Tgt Ion: 164 Resp: 11719

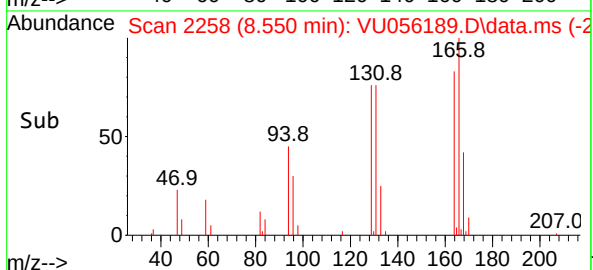
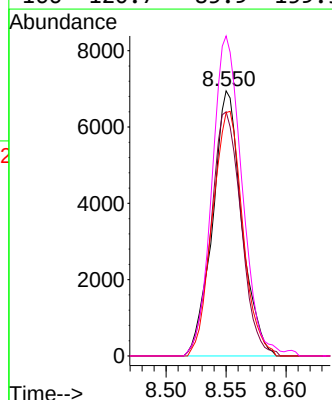
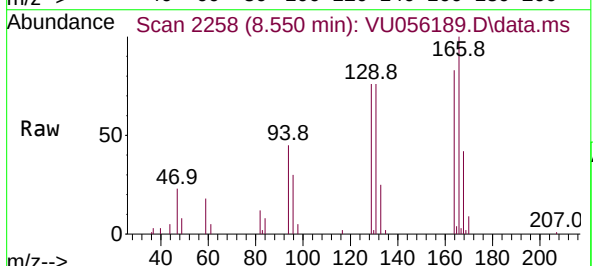
Ion Ratio Lower Upper

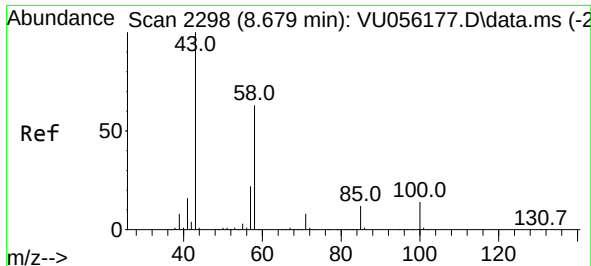
164 100

129 92.1 66.6 123.8

131 91.8 67.8 126.0

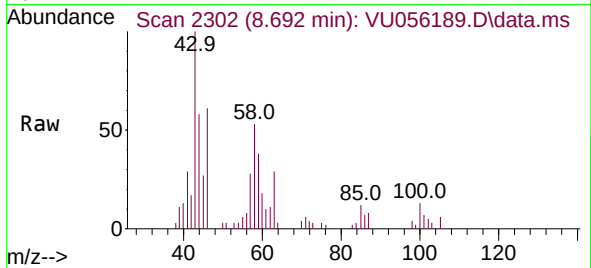
166 120.7 85.9 159.5



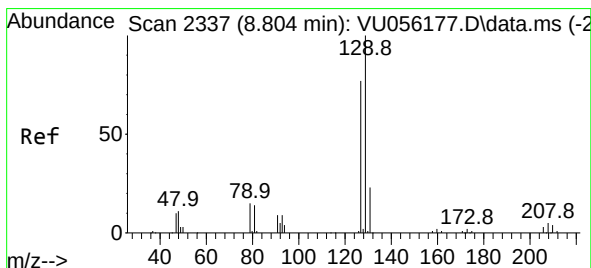
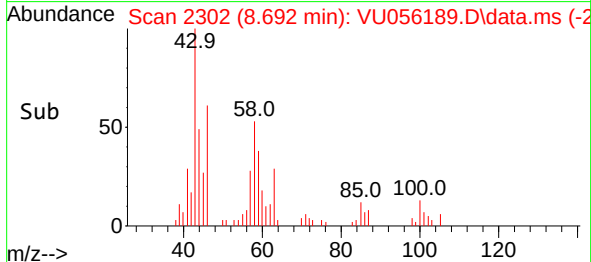
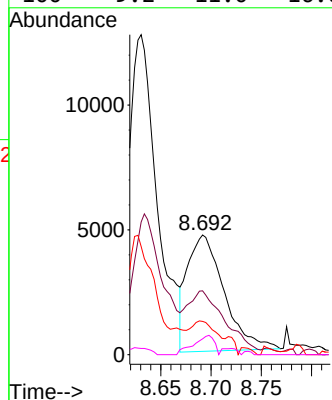


#48  
2-Hexanone  
Concen: 1.374 ug/L  
RT: 8.692 min Scan# 211  
Delta R.T. 0.013 min  
Lab File: VU056189.D  
Acq: 10 Nov 2023 23:00

Instrument :  
MSVOA\_U  
ClientSampleId :

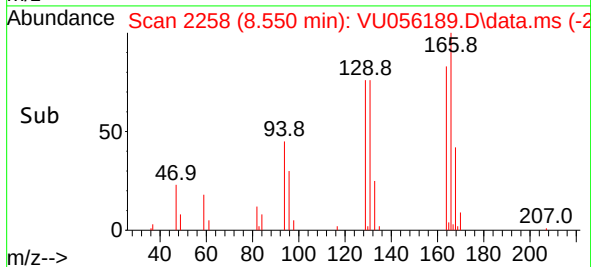
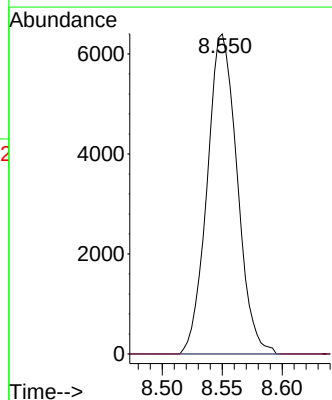
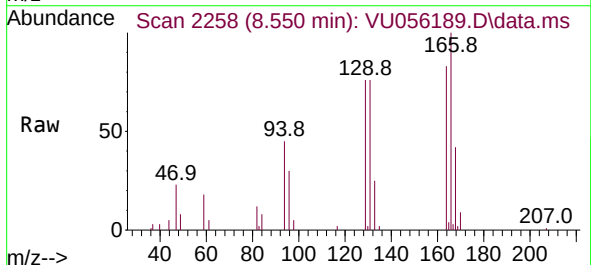


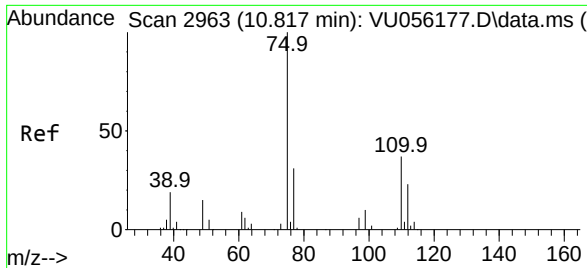
Tgt Ion: 43 Resp: 11863  
Ion Ratio Lower Upper  
43 100  
58 52.3 52.0 78.0  
57 20.5 17.4 26.2  
100 9.2 11.0 16.6#



#49  
Dibromochloromethane  
Concen: 0.524 ug/L  
RT: 8.550 min Scan# 2258  
Delta R.T. -0.254 min  
Lab File: VU056189.D  
Acq: 10 Nov 2023 23:00

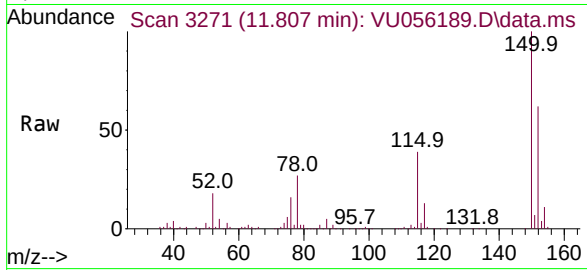
Tgt Ion: 129 Resp: 11141  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.4 102.8#





#61  
1,2,3-Trichloropropane  
Concen: 1.299 ug/L  
RT: 11.807 min Scan# 31  
Delta R.T. 0.990 min  
Lab File: VU056189.D  
Acq: 10 Nov 2023 23:00

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion: 75 Resp: 18197  
Ion Ratio Lower Upper  
75 100  
110 2.1 29.7 44.5#  
77 33.0 25.5 38.3

