

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122322\  
 Data File : VU052535.D  
 Acq On : 23 Dec 2022 14:26  
 Operator : JC/MD  
 Sample : N6169-15DL 40X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GBQA6DL

Quant Time: Dec 24 03:56:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR122022WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 24 03:53:16 2022  
 Response via : Initial Calibration

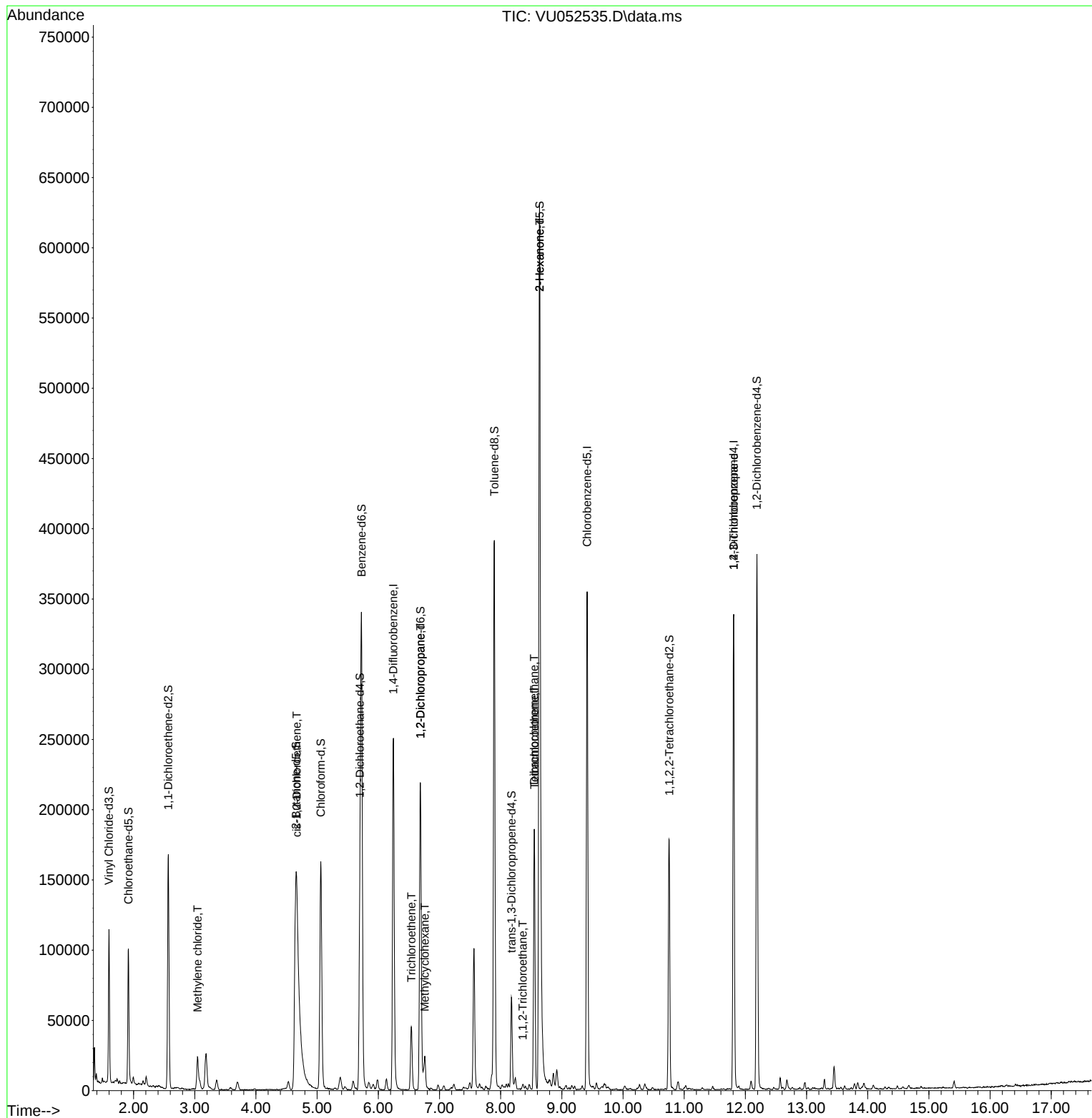
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114            | 195452   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117            | 188390   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152            | 84292    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65             | 73066    | 3.690  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 73.800%  |          |
| 7) Chloroethane-d5            | 1.916  | 69             | 71577    | 4.192  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 83.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 65             | 32642    | 3.831  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 76.600%  |          |
| 20) 2-Butanone-d5             | 4.655  | 46             | 335468   | 54.632 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 109.260% |          |
| 24) Chloroform-d              | 5.060  | 84             | 152652   | 4.569  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 91.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65             | 89926    | 4.640  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 92.800%  |          |
| 32) Benzene-d6                | 5.726  | 84             | 308400   | 4.775  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 95.400%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67             | 109724   | 4.935  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 98.600%  |          |
| 41) Toluene-d8                | 7.896  | 98             | 253428   | 4.674  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.400%  |          |
| 43) trans-1,3-Dichloroprop... | 8.176  | 79             | 37080    | 4.870  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 97.400%  |          |
| 46) 2-Hexanone-d5             | 8.636  | 63             | 234870   | 56.387 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 112.780% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84             | 92154    | 4.882  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 97.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152            | 93979    | 5.476  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 109.600% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 16) Methylene chloride        | 3.044  | 84             | 10680    | 0.516  | ug/L     | 89       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96             | 12024    | 0.726  | ug/L     | 92       |
| 34) Trichloroethene           | 6.539  | 95             | 15455    | 0.974  | ug/L     | 96       |
| 35) Methylcyclohexane         | 6.761  | 83             | 8524     | 0.356  | ug/L     | 90       |
| 37) 1,2-Dichloropropane       | 6.687  | 63             | 11006    | 0.581  | ug/L #   | 88       |
| 45) 1,1,2-Trichloroethane     | 8.359  | 97             | 1325     | 0.099  | ug/L #   | 14       |
| 47) Tetrachloroethene         | 8.552  | 164            | 39570    | 3.574  | ug/L     | 99       |
| 48) 2-Hexanone                | 8.636  | 43             | 29138    | 2.794  | ug/L #   | 75       |
| 49) Dibromochloromethane      | 8.549  | 129            | 39126    | 2.755  | ug/L #   | 11       |
| 61) 1,2,3-Trichloropropane    | 11.809 | 75             | 11942    | 0.988  | ug/L #   | 67       |
| -----                         |        |                |          |        |          |          |

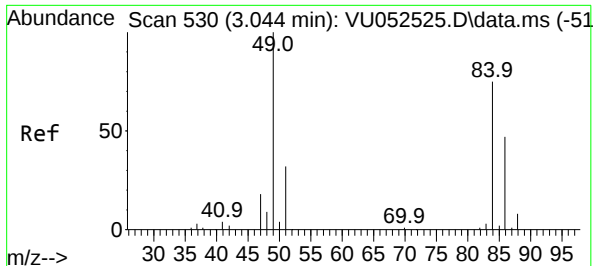
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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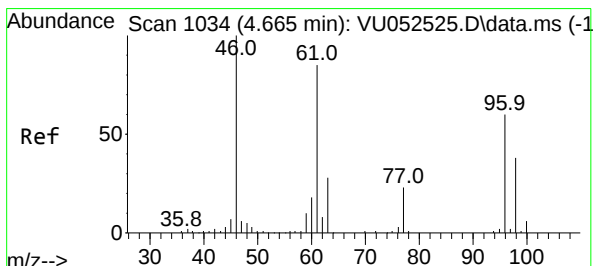
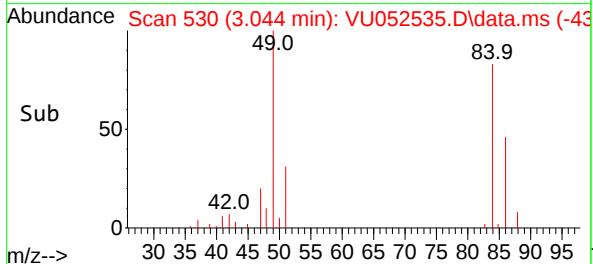
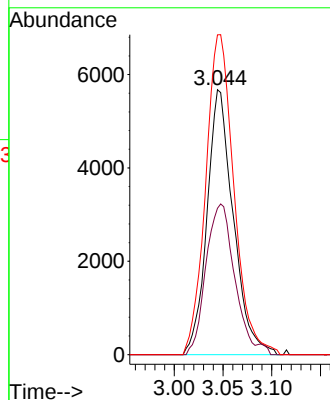
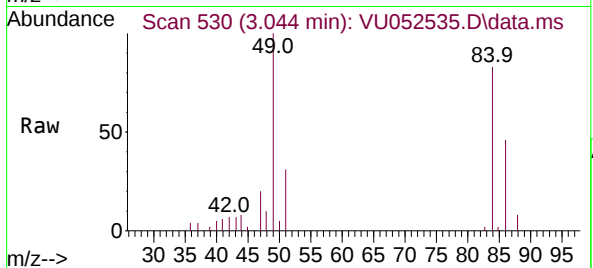




#16  
Methylene chloride  
Concen: 0.516 ug/L  
RT: 3.044 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU052535.D  
Acq: 23 Dec 2022 14:26

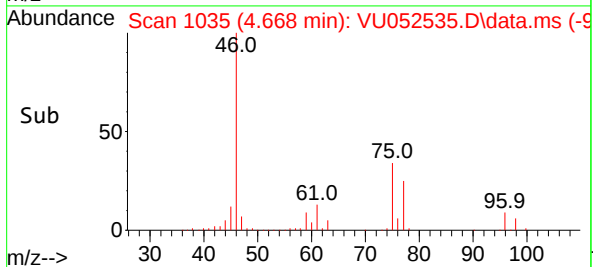
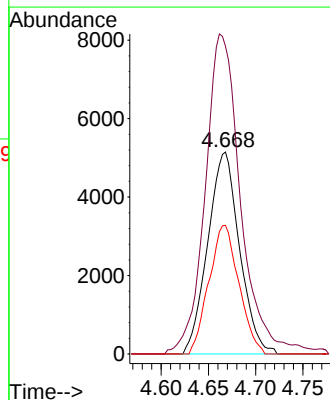
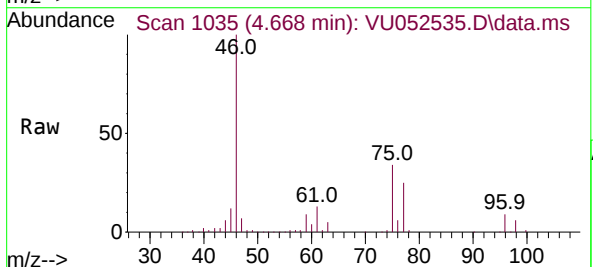
Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQA6DL

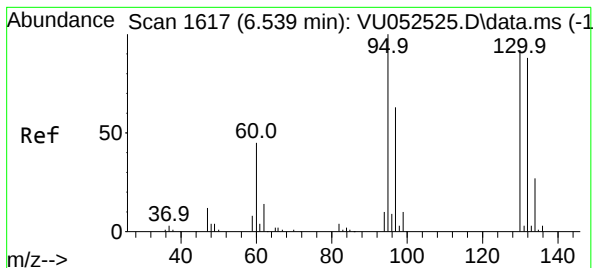
Tgt Ion: 84 Resp: 10680  
Ion Ratio Lower Upper  
84 100  
86 55.3 44.7 83.1  
49 120.7 93.3 173.3



#22  
cis-1,2-Dichloroethene  
Concen: 0.726 ug/L  
RT: 4.668 min Scan# 1035  
Delta R.T. 0.003 min  
Lab File: VU052535.D  
Acq: 23 Dec 2022 14:26

Tgt Ion: 96 Resp: 12024  
Ion Ratio Lower Upper  
96 100  
61 152.4 96.9 180.1  
98 63.7 44.7 83.1





#34

Trichloroethene

Concen: 0.974 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052535.D

Acq: 23 Dec 2022 14:26

Instrument :

MSVOA\_U

ClientSampleId :

GBQA6DL

Tgt Ion: 95 Resp: 15455

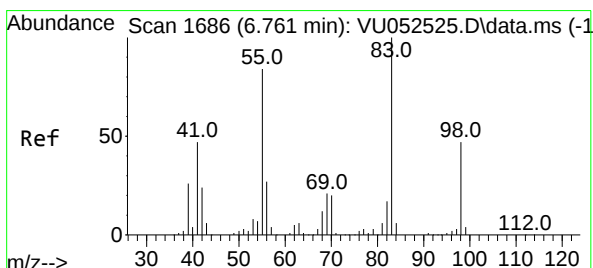
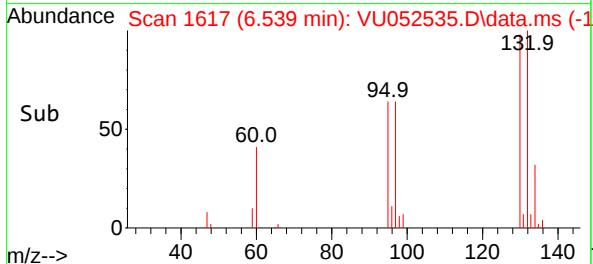
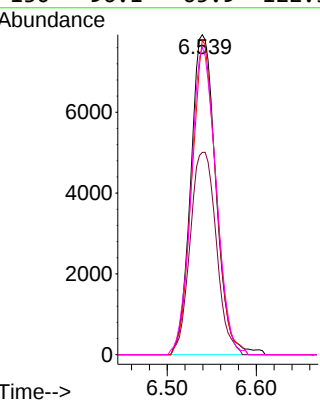
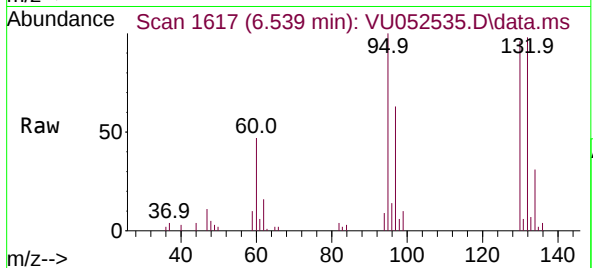
Ion Ratio Lower Upper

95 100

97 63.2 46.3 86.1

132 98.3 63.9 118.7

130 96.1 65.9 122.5



#35

Methylcyclohexane

Concen: 0.356 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU052535.D

Acq: 23 Dec 2022 14:26

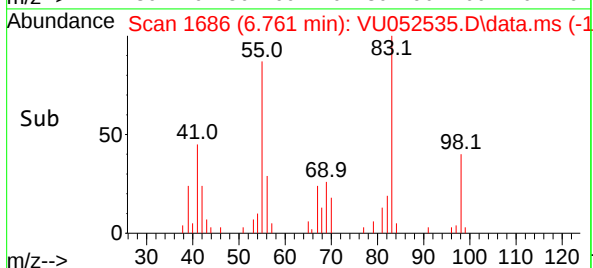
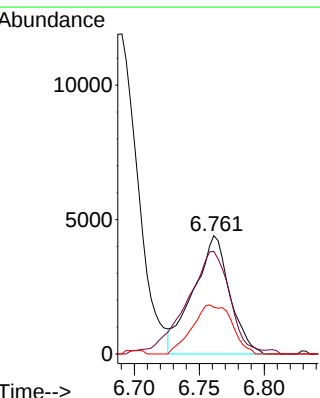
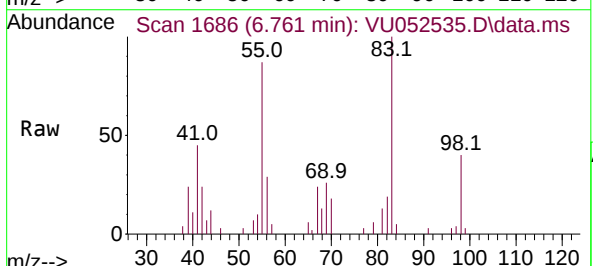
Tgt Ion: 83 Resp: 8524

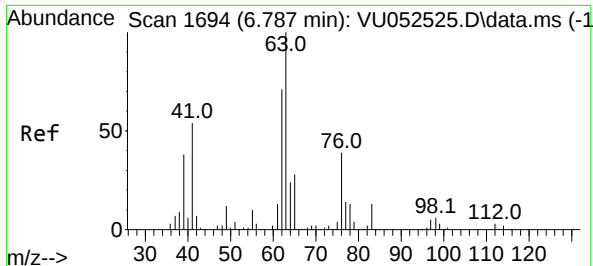
Ion Ratio Lower Upper

83 100

55 103.4 71.4 107.0

98 45.3 36.5 54.7





#37

1,2-Dichloropropane

Concen: 0.581 ug/L

RT: 6.687 min Scan# 11

Delta R.T. -0.100 min

Lab File: VU052535.D

Acq: 23 Dec 2022 14:26

Instrument :

MSVOA\_U

ClientSampleId :

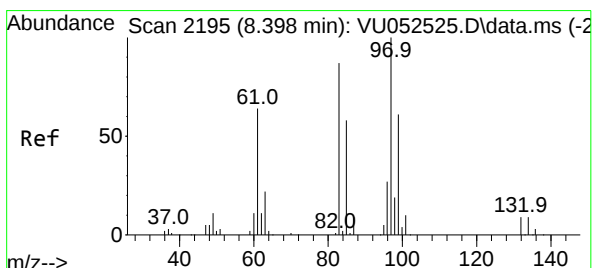
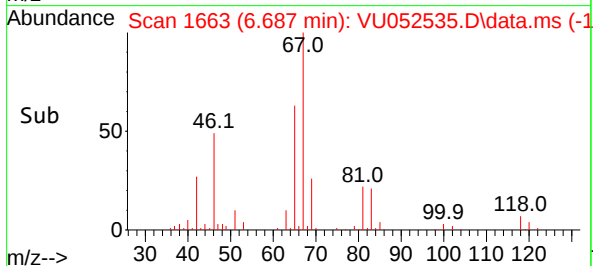
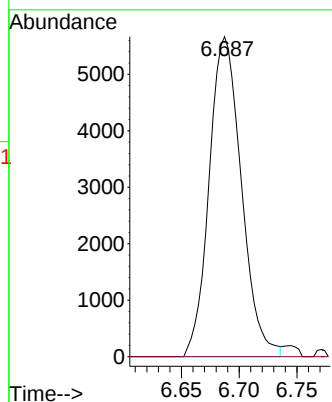
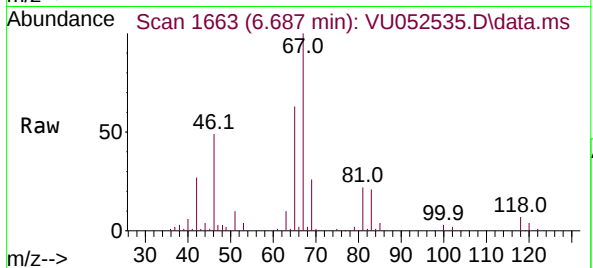
GBQA6DL

Tgt Ion: 63 Resp: 11006

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#45

1,1,2-Trichloroethane

Concen: 0.099 ug/L

RT: 8.359 min Scan# 2183

Delta R.T. -0.039 min

Lab File: VU052535.D

Acq: 23 Dec 2022 14:26

Tgt Ion: 97 Resp: 1325

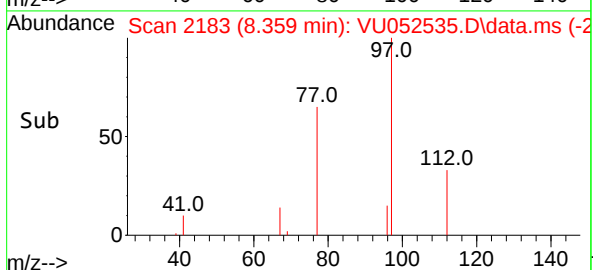
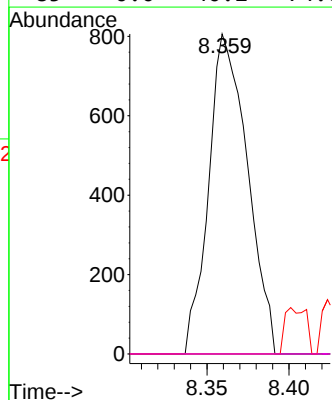
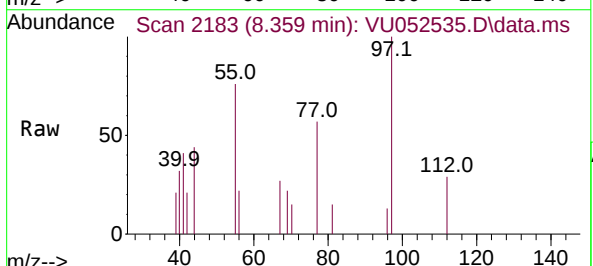
Ion Ratio Lower Upper

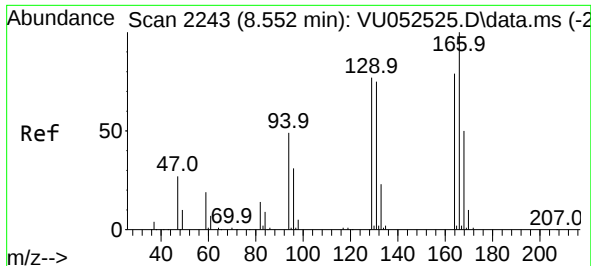
97 100

99 0.0 42.0 78.0#

83 0.0 63.2 117.4#

85 0.0 40.2 74.6#



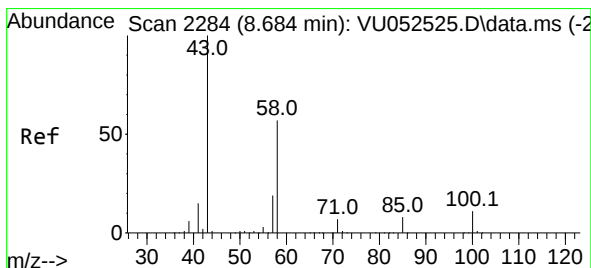
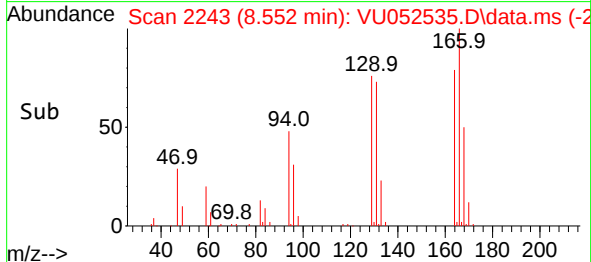
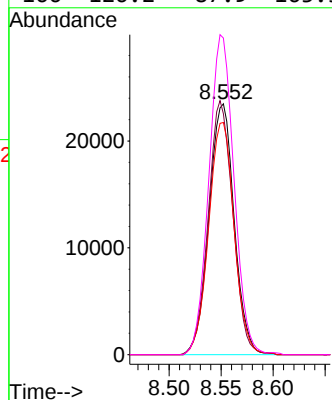
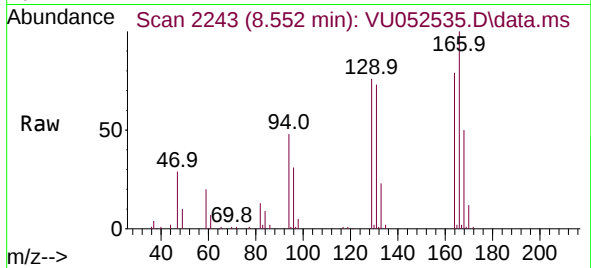


#47  
Tetrachloroethene  
Concen: 3.574 ug/L  
RT: 8.552 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VU052535.D  
Acq: 23 Dec 2022 14:26

Instrument :  
MSVOA\_U  
ClientSampleId :  
GBQA6DL

Tgt Ion:164 Resp: 39570

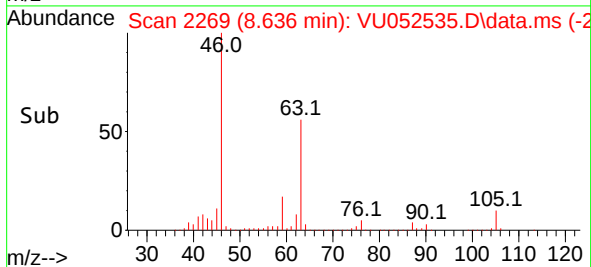
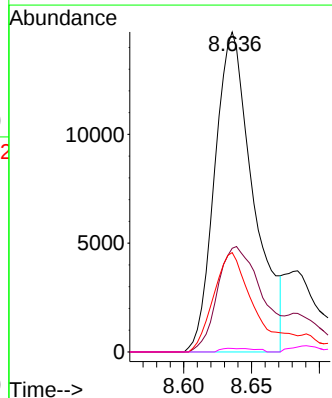
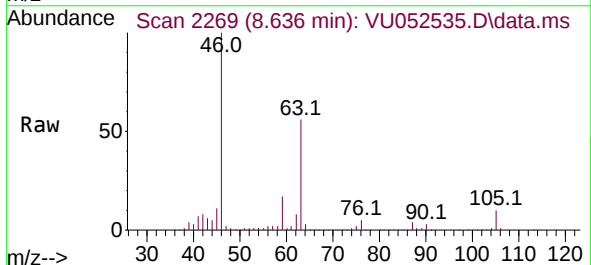
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 96.1  | 68.1  | 126.5 |
| 131 | 92.5  | 66.5  | 123.5 |
| 166 | 126.2 | 87.9  | 163.3 |

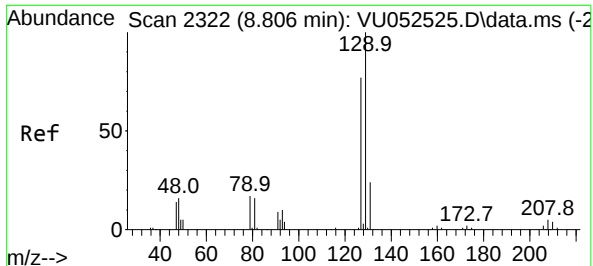


#48  
2-Hexanone  
Concen: 2.794 ug/L  
RT: 8.636 min Scan# 2269  
Delta R.T. -0.048 min  
Lab File: VU052535.D  
Acq: 23 Dec 2022 14:26

Tgt Ion: 43 Resp: 29138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 38.5  | 44.1  | 66.1# |
| 57  | 33.0  | 14.6  | 21.8# |
| 100 | 1.0   | 8.5   | 12.7# |





#49

Dibromochloromethane

Concen: 2.755 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU052535.D

Acq: 23 Dec 2022 14:26

Instrument :

MSVOA\_U

ClientSampleId :

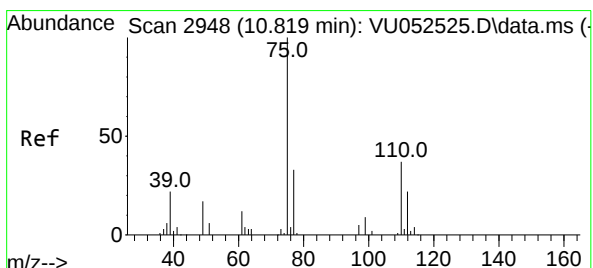
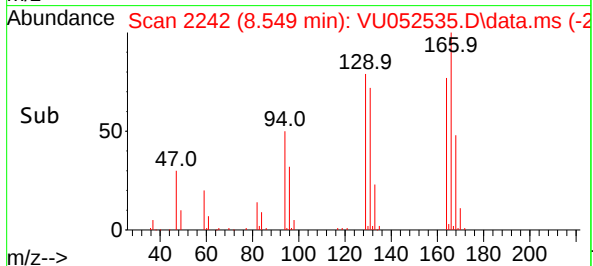
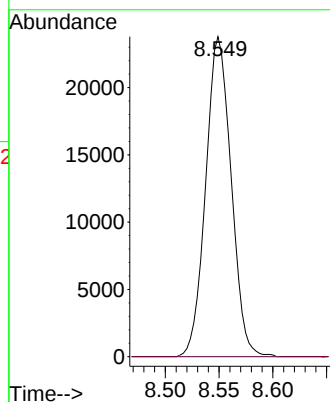
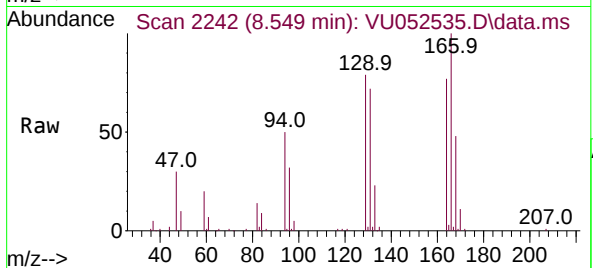
GBQA6DL

Tgt Ion:129 Resp: 39126

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#61

1,2,3-Trichloropropane

Concen: 0.988 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.990 min

Lab File: VU052535.D

Acq: 23 Dec 2022 14:26

Tgt Ion: 75 Resp: 11942

Ion Ratio Lower Upper

75 100

110 1.3 27.9 41.9#

77 28.7 25.9 38.9

