

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012723\  
 Data File : VU052841.D  
 Acq On : 27 Jan 2023 13:03  
 Operator : JC/MD  
 Sample : 01295-02  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0LC5

Quant Time: Jan 27 22:22:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 22:20:01 2023  
 Response via : Initial Calibration

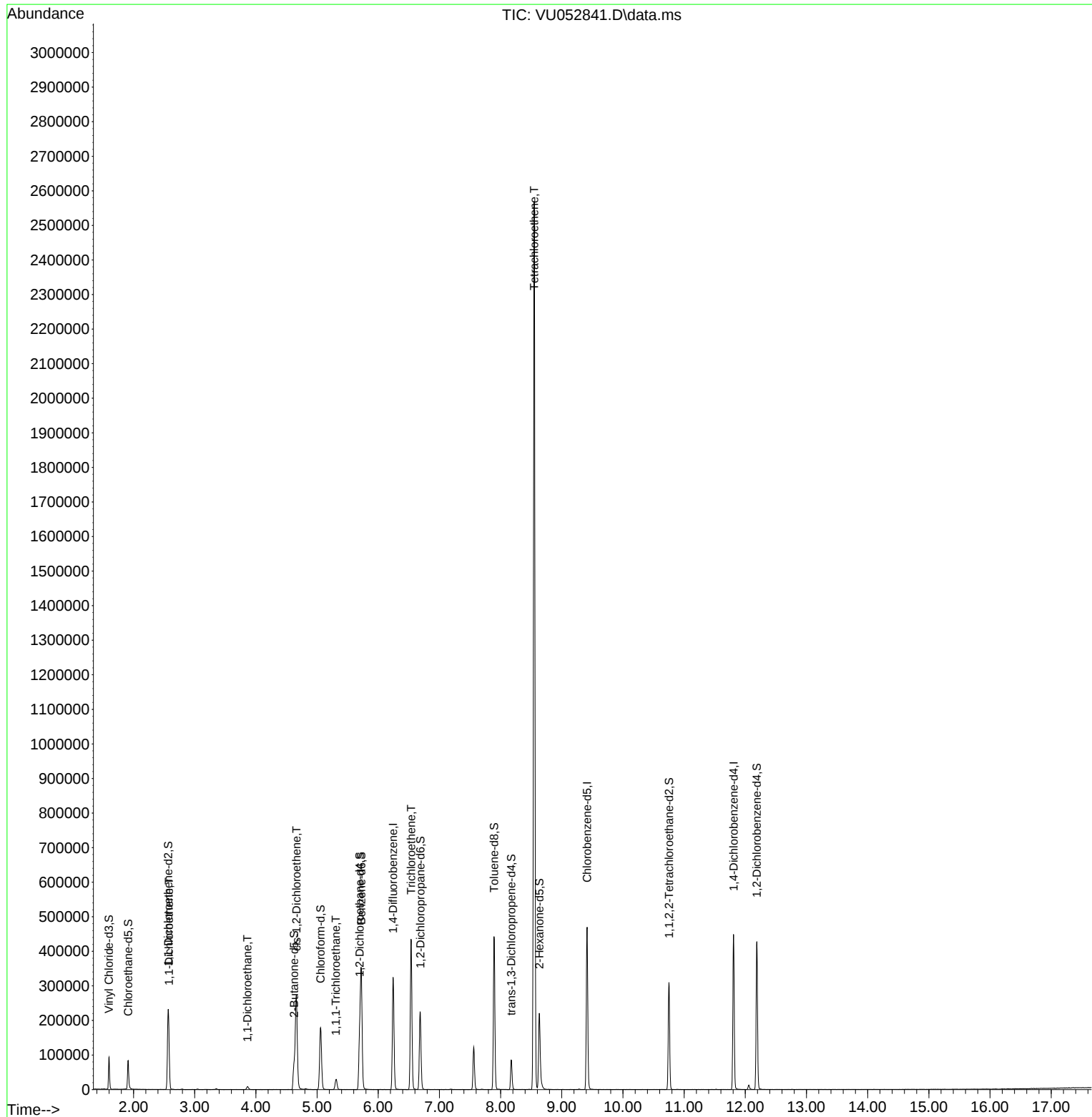
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.244   | 114            | 271623   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117            | 267252   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152            | 128276   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65             | 67421    | 34.486  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 68.980%  |          |
| 7) Chloroethane-d5            | 1.913   | 69             | 63396    | 39.355  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 78.700%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63             | 124157   | 31.929  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 63.860%  |          |
| 21) 2-Butanone-d5             | 4.623   | 46             | 103461   | 85.667  | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 85.670%  |          |
| 24) Chloroform-d              | 5.057   | 84             | 172800   | 41.415  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 82.840%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65             | 118592   | 44.515  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 89.020%  |          |
| 32) Benzene-d6                | 5.723   | 84             | 335553   | 41.097  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 82.200%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.687   | 67             | 103520   | 43.229  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 86.460%  |          |
| 41) Toluene-d8                | 7.893   | 98             | 289549   | 38.944  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 77.880%# |          |
| 43) trans-1,3-Dichloroprop... | 8.173   | 79             | 49601    | 41.326  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 82.660%  |          |
| 47) 2-Hexanone-d5             | 8.632   | 63             | 77756    | 92.411  | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 92.410%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84             | 146378   | 41.372  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 82.740%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189  | 152            | 116913   | 46.938  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 93.880%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 12) 1,1-Dichloroethene        | 2.578   | 96             | 34551    | 17.195  | ug/L #   | 72       |
| 19) 1,1-Dichloroethane        | 3.861   | 63             | 9605     | 2.522   | ug/L     | 97       |
| 20) cis-1,2-Dichloroethene    | 4.662   | 96             | 143920   | 62.076  | ug/L     | 97       |
| 30) 1,1,1-Trichloroethane     | 5.308   | 97             | 22310    | 5.675   | ug/L     | 96       |
| 34) Trichloroethene           | 6.536   | 95             | 146448   | 63.335  | ug/L     | 95       |
| 46) Tetrachloroethene         | 8.549   | 164            | 578783   | 290.692 | ug/L     | 99       |
| -----                         |         |                |          |         |          |          |

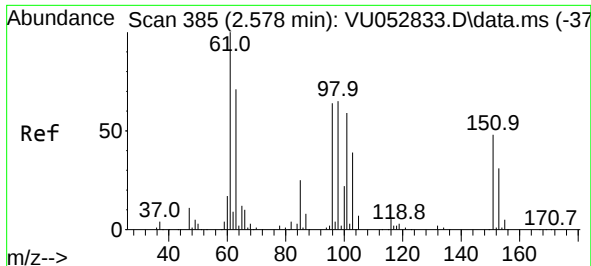
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Fri Jan 27 22:20:01 2023  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 17.195 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.000 min

Lab File: VU052841.D

Acq: 27 Jan 2023 13:03

Instrument :

MSVOA\_U

ClientSampleId :

C0LC5

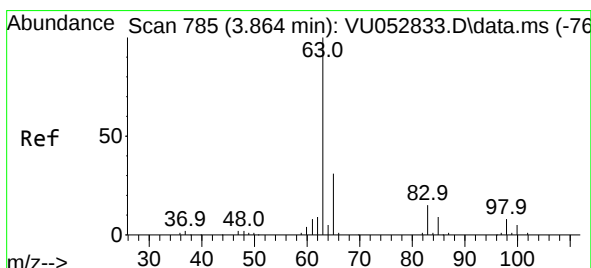
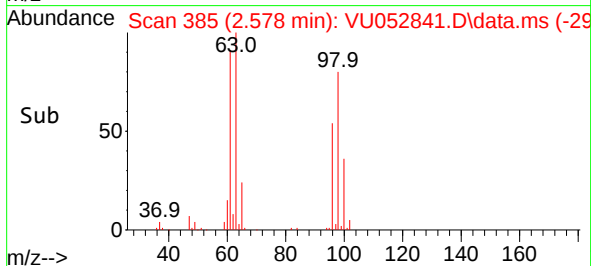
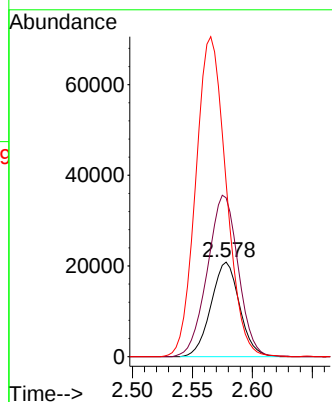
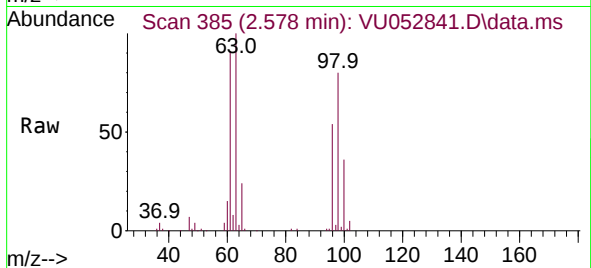
Tgt Ion: 96 Resp: 34551

Ion Ratio Lower Upper

96 100

61 168.1 114.3 212.3

63 184.1 80.6 149.6#



#19

1,1-Dichloroethane

Concen: 2.522 ug/L

RT: 3.861 min Scan# 784

Delta R.T. -0.003 min

Lab File: VU052841.D

Acq: 27 Jan 2023 13:03

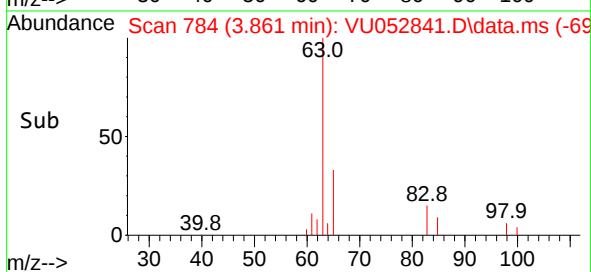
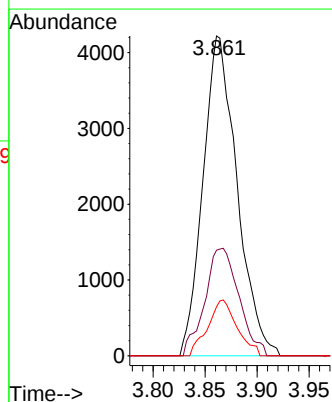
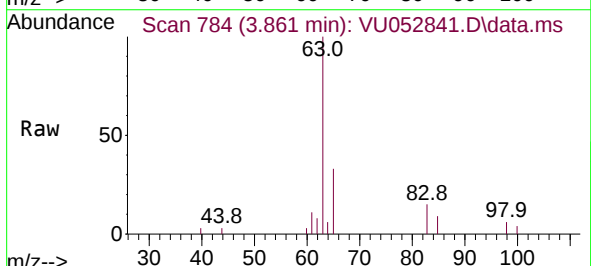
Tgt Ion: 63 Resp: 9605

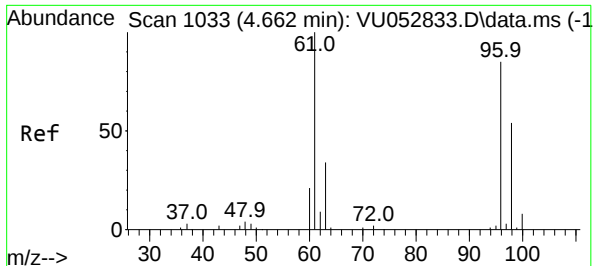
Ion Ratio Lower Upper

63 100

65 33.0 22.4 41.6

83 15.3 9.2 17.2

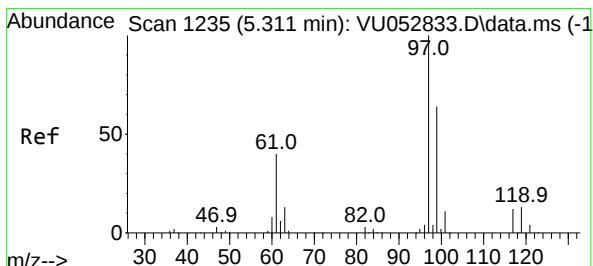
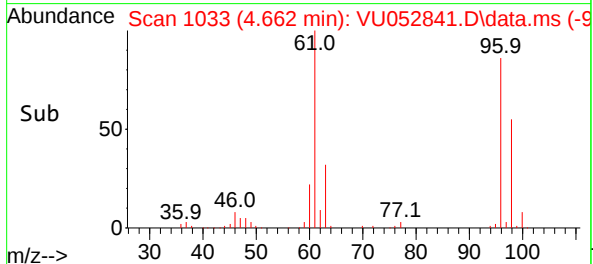
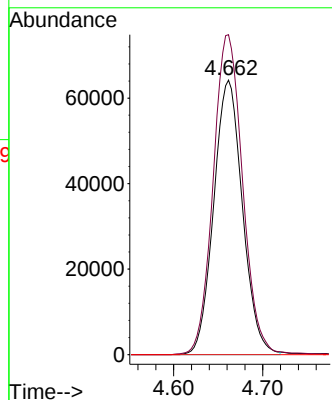
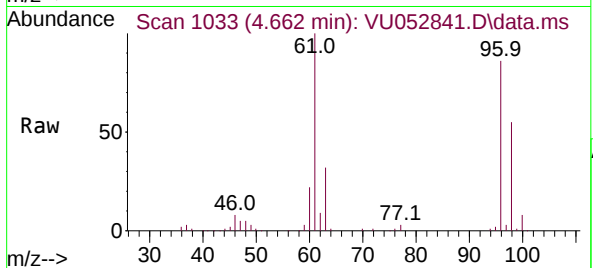




#20  
 cis-1,2-Dichloroethene  
 Concen: 62.076 ug/L  
 RT: 4.662 min Scan# 1033  
 Delta R.T. -0.000 min  
 Lab File: VU052841.D  
 Acq: 27 Jan 2023 13:03

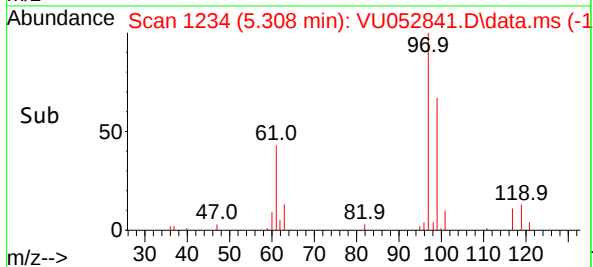
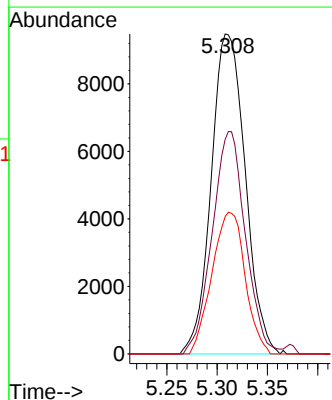
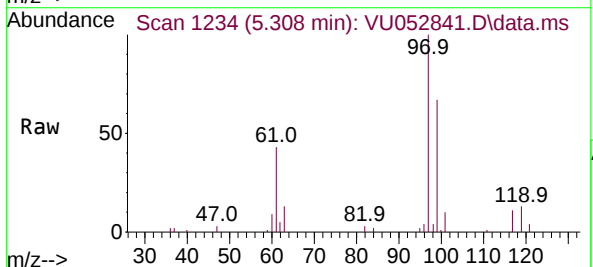
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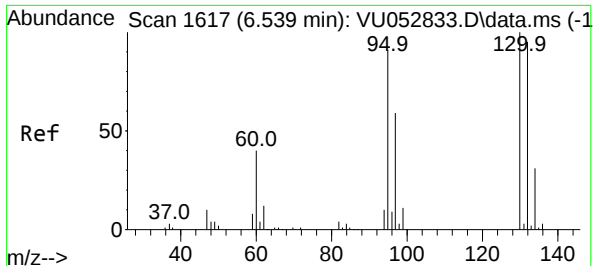
Tgt Ion: 96 Resp: 143920  
 Ion Ratio Lower Upper  
 96 100  
 61 116.6 84.1 156.1  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 5.675 ug/L  
 RT: 5.308 min Scan# 1234  
 Delta R.T. -0.003 min  
 Lab File: VU052841.D  
 Acq: 27 Jan 2023 13:03

Tgt Ion: 97 Resp: 22310  
 Ion Ratio Lower Upper  
 97 100  
 99 67.8 51.4 77.0  
 61 43.1 33.0 49.6

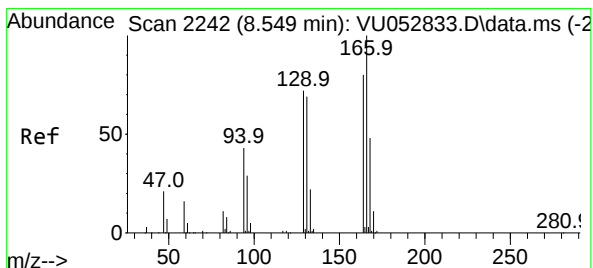
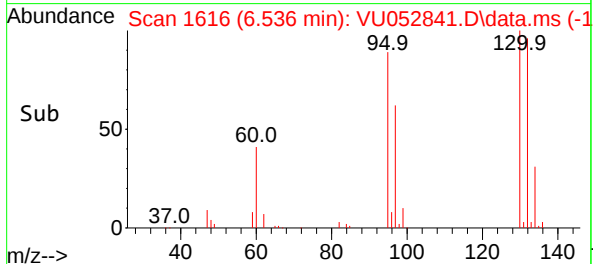
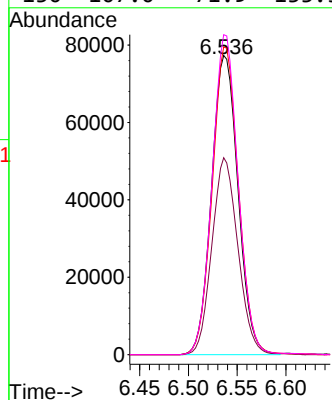
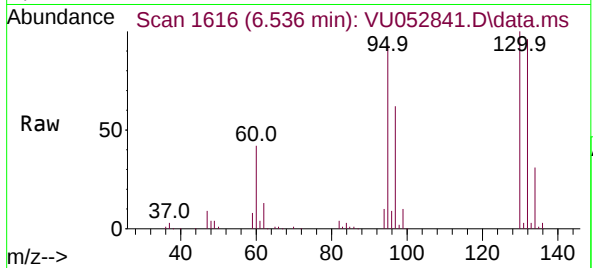




#34  
Trichloroethene  
Concen: 63.335 ug/L  
RT: 6.536 min Scan# 1616  
Delta R.T. -0.003 min  
Lab File: VU052841.D  
Acq: 27 Jan 2023 13:03

Instrument :  
MSVOA\_U  
ClientSampleId :  
C0LC5

Tgt Ion: 95 Resp: 146448  
Ion Ratio Lower Upper  
95 100  
97 65.8 44.5 82.7  
132 102.9 66.8 124.0  
130 107.0 71.9 133.5



#46  
Tetrachloroethene  
Concen: 290.692 ug/L  
RT: 8.549 min Scan# 2242  
Delta R.T. -0.000 min  
Lab File: VU052841.D  
Acq: 27 Jan 2023 13:03

Tgt Ion: 164 Resp: 578783  
Ion Ratio Lower Upper  
164 100  
129 92.6 64.8 120.3  
131 89.9 61.2 113.6  
166 127.9 89.2 165.8

