

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092022\  
 Data File : VU050860.D  
 Acq On : 21 Sep 2022 03:01  
 Operator : JC/MD  
 Sample : N4650-22  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXZ39

Quant Time: Sep 21 04:43:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 21 04:30:12 2022  
 Response via : Initial Calibration

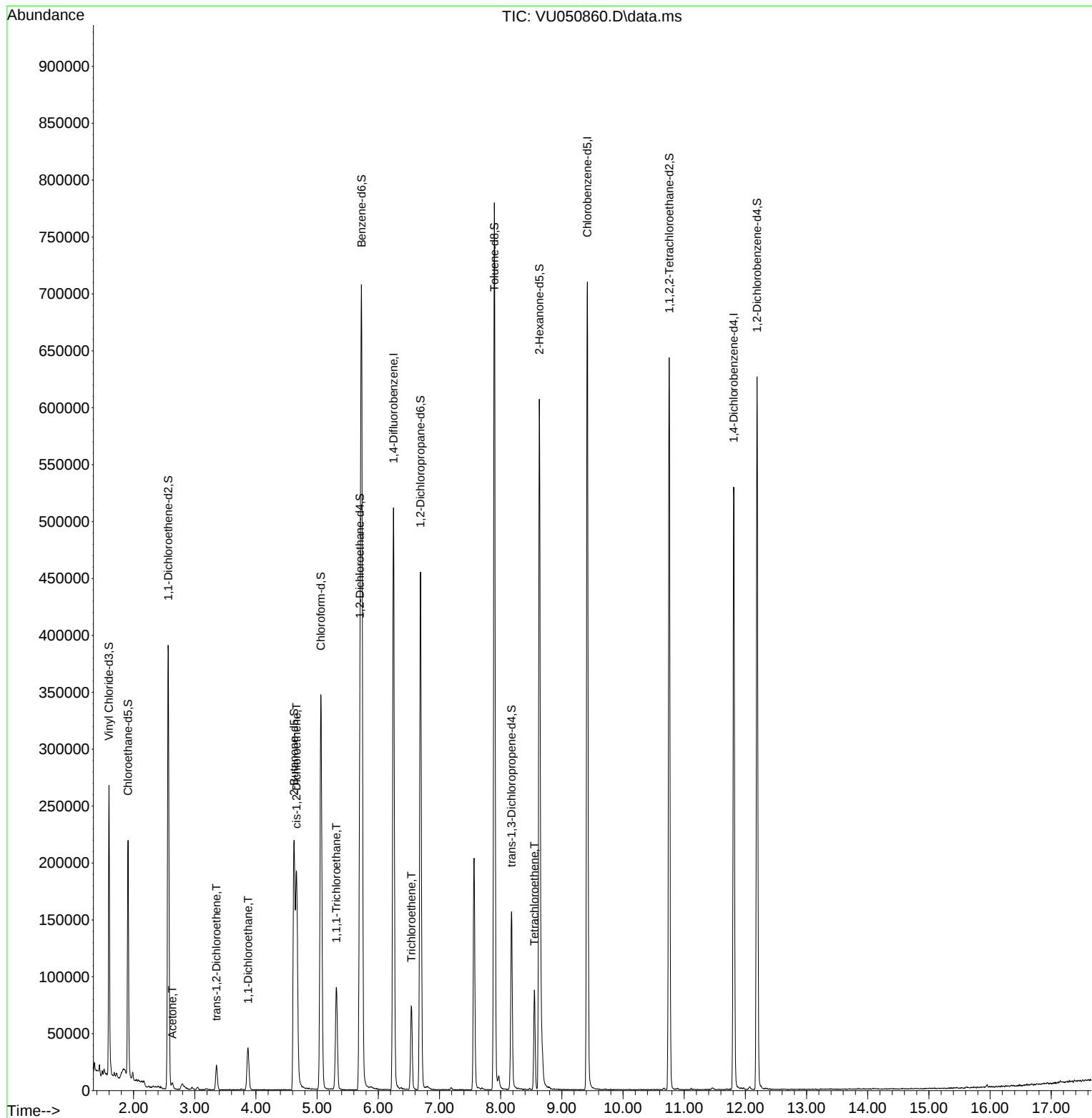
| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| -----                         |         |                |          |         |          |          |
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114            | 404066   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117            | 393124   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809  | 152            | 138792   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65             | 190678   | 45.547  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 91.100%  |          |
| 7) Chloroethane-d5            | 1.909   | 69             | 152392   | 51.112  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 102.220% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63             | 233368   | 35.825  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 71.660%  |          |
| 21) 2-Butanone-d5             | 4.623   | 46             | 325371   | 120.386 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 120.390% |          |
| 24) Chloroform-d              | 5.060   | 84             | 323178   | 49.260  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 98.520%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65             | 209294   | 51.765  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 103.540% |          |
| 32) Benzene-d6                | 5.726   | 84             | 655764   | 50.643  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 101.280% |          |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67             | 225918   | 51.688  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 103.380% |          |
| 41) Toluene-d8                | 7.896   | 98             | 516867   | 45.665  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 91.320%  |          |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79             | 84959    | 44.682  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 89.360%  |          |
| 47) 2-Hexanone-d5             | 8.632   | 63             | 193401   | 107.374 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 107.370% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754  | 84             | 332365   | 49.877  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 99.760%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152            | 162686   | 55.984  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 111.960% |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 13) Acetone                   | 2.633   | 43             | 5398     | 2.359   | ug/L     | 95       |
| 17) trans-1,2-Dichloroethene  | 3.353   | 96             | 8464     | 2.658   | ug/L     | 97       |
| 19) 1,1-Dichloroethane        | 3.870   | 63             | 43497    | 6.761   | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96             | 87331    | 24.738  | ug/L     | 97       |
| 30) 1,1,1-Trichloroethane     | 5.314   | 97             | 65166    | 12.460  | ug/L     | 99       |
| 34) Trichloroethene           | 6.542   | 95             | 25710    | 7.650   | ug/L     | 98       |
| 46) Tetrachloroethene         | 8.552   | 164            | 18805    | 7.787   | ug/L     | 97       |
| -----                         |         |                |          |         |          |          |

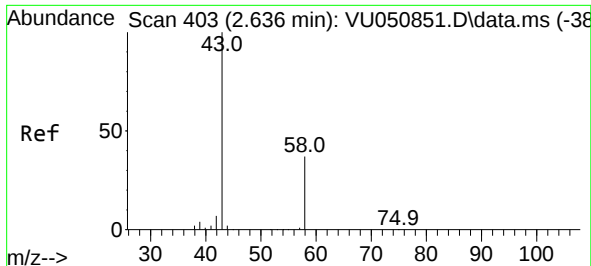
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Wed Sep 21 04:30:12 2022  
Response via : Initial Calibration





#13

Acetone

Concen: 2.359 ug/L

RT: 2.633 min Scan# 403

Delta R.T. -0.003 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Instrument :

MSVOA\_U

ClientSampleId :

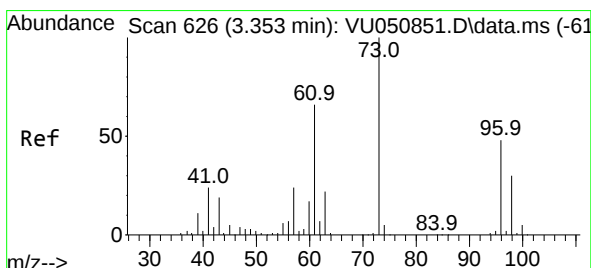
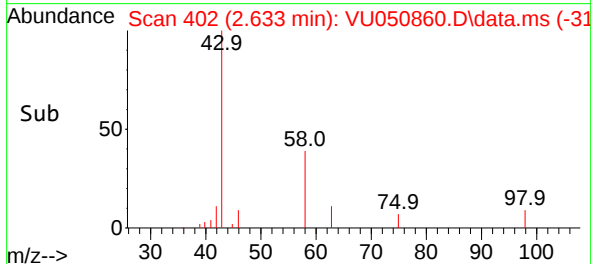
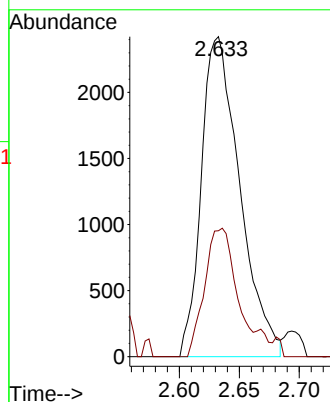
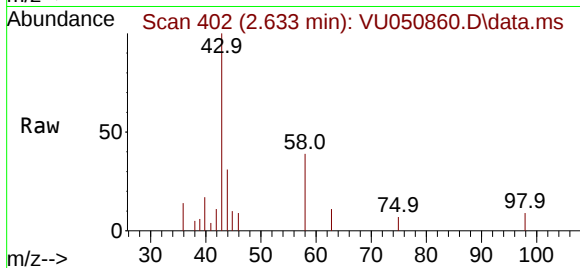
EXZ39

Tgt Ion: 43 Resp: 5398

Ion Ratio Lower Upper

43 100

58 32.9 0.0 71.4



#17

trans-1,2-Dichloroethene

Concen: 2.658 ug/L

RT: 3.353 min Scan# 626

Delta R.T. -0.000 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

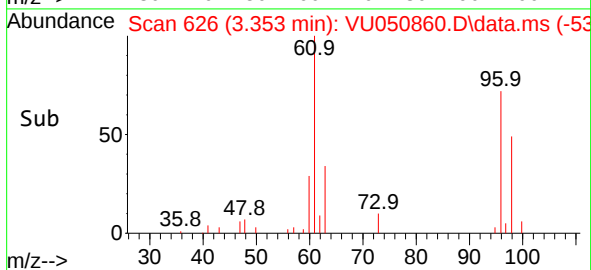
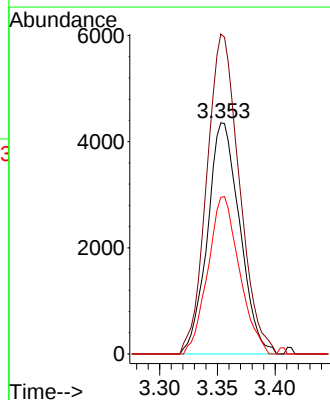
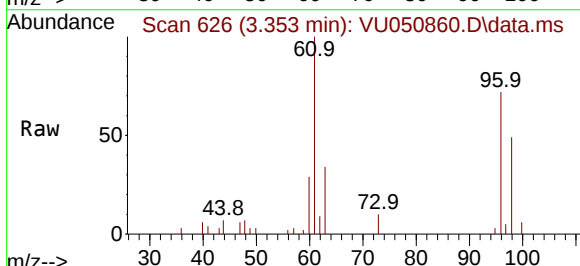
Tgt Ion: 96 Resp: 8464

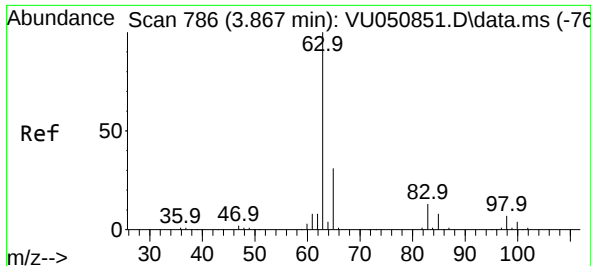
Ion Ratio Lower Upper

96 100

61 138.4 98.0 182.0

98 67.8 44.3 82.3

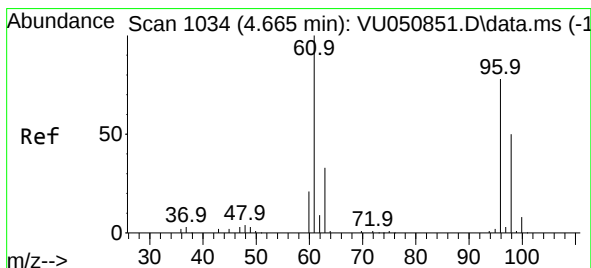
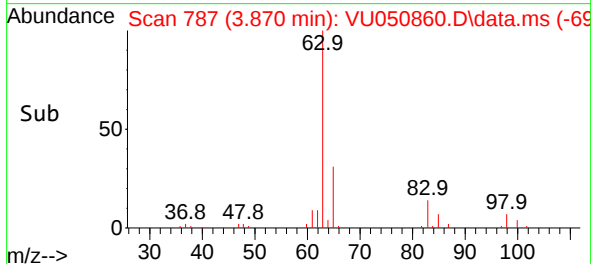
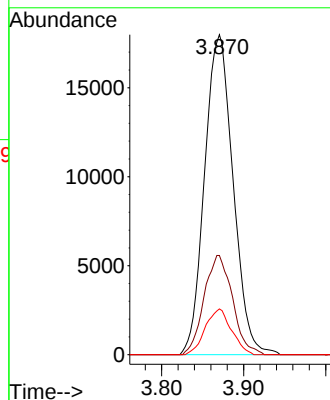
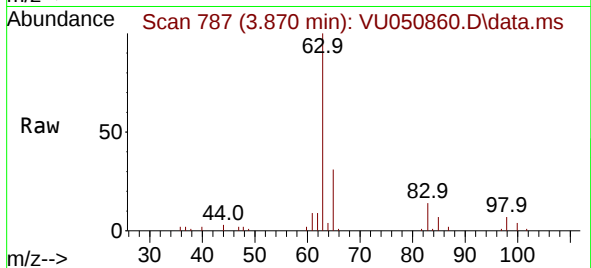




#19  
1,1-Dichloroethane  
Concen: 6.761 ug/L  
RT: 3.870 min Scan# 786  
Delta R.T. 0.003 min  
Lab File: VU050860.D  
Acq: 21 Sep 2022 03:01

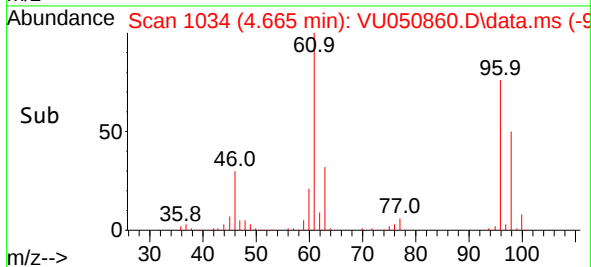
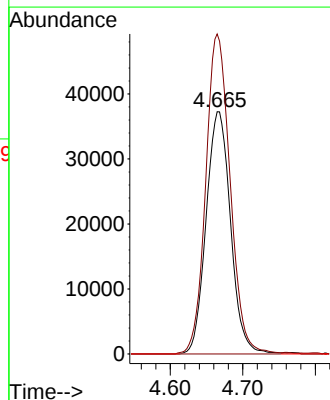
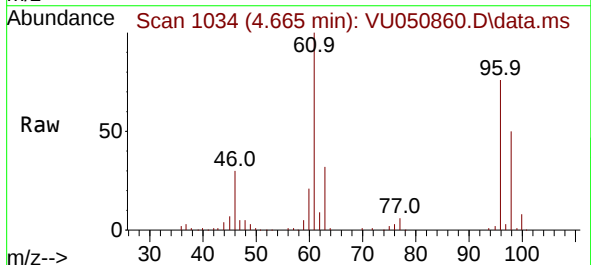
Instrument :  
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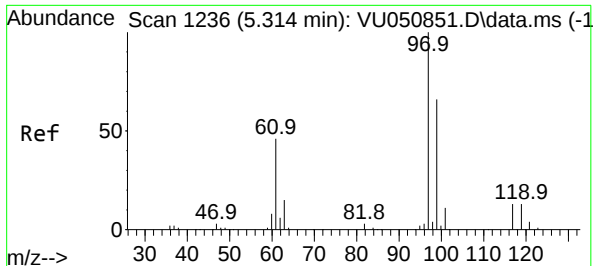
Tgt Ion: 63 Resp: 43497  
Ion Ratio Lower Upper  
63 100  
65 31.0 21.5 39.9  
83 14.3 9.3 17.3



#20  
cis-1,2-Dichloroethene  
Concen: 24.738 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: VU050860.D  
Acq: 21 Sep 2022 03:01

Tgt Ion: 96 Resp: 87331  
Ion Ratio Lower Upper  
96 100  
61 132.1 90.1 167.3  
68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 12.460 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Instrument :

MSVOA\_U

ClientSampleId :

EXZ39

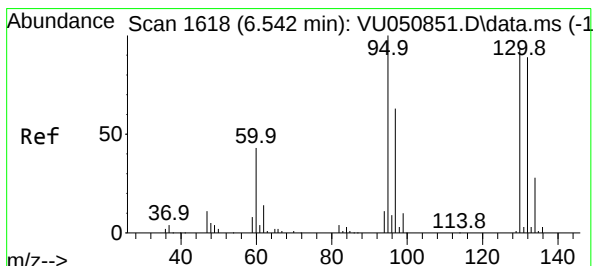
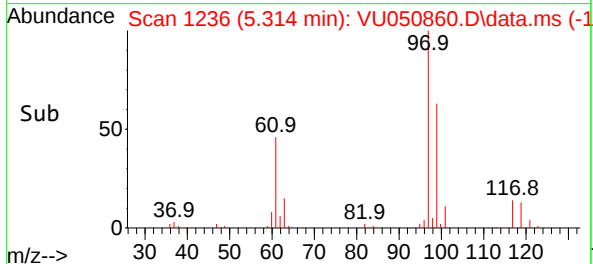
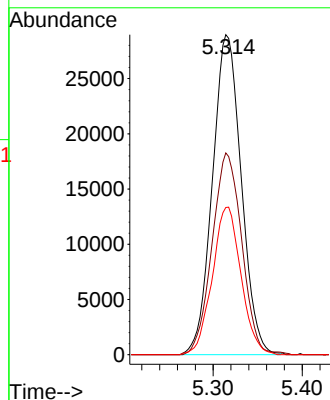
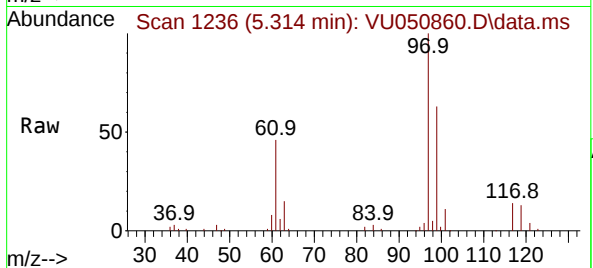
Tgt Ion: 97 Resp: 65166

Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

61 46.0 37.1 55.7



#34

Trichloroethene

Concen: 7.650 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU050860.D

Acq: 21 Sep 2022 03:01

Tgt Ion: 95 Resp: 25710

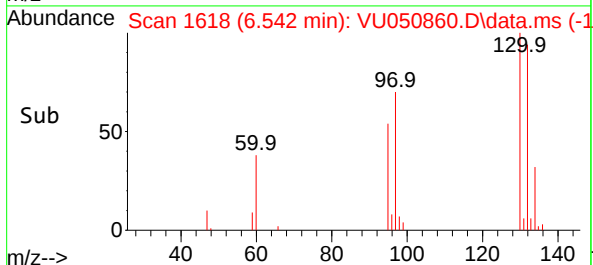
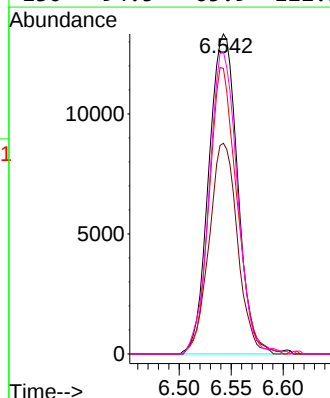
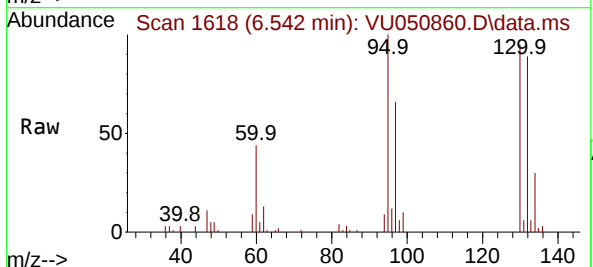
Ion Ratio Lower Upper

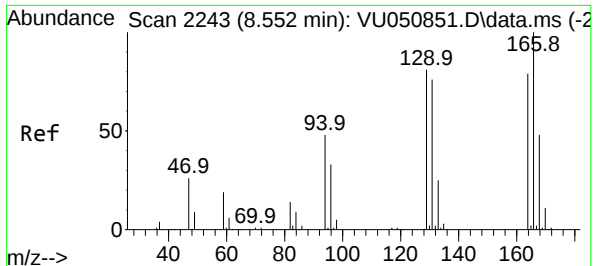
95 100

97 65.9 43.9 81.5

132 89.2 63.1 117.1

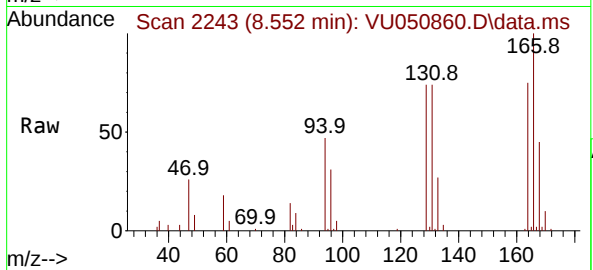
130 94.5 65.9 122.3





#46  
Tetrachloroethene  
Concen: 7.787 ug/L  
RT: 8.552 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU050860.D  
Acq: 21 Sep 2022 03:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXZ39



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 18805 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 98.5  | 68.5  | 127.3 |
| 131      | 98.4  | 66.1  | 122.7 |
| 166      | 132.6 | 88.8  | 164.8 |

