

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060922\  
 Data File : VU048980.D  
 Acq On : 09 Jun 2022 15:30  
 Operator : SY/MD  
 Sample : N3248-05  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYX1

Quant Time: Jun 10 01:04:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 10 01:01:44 2022  
 Response via : Initial Calibration

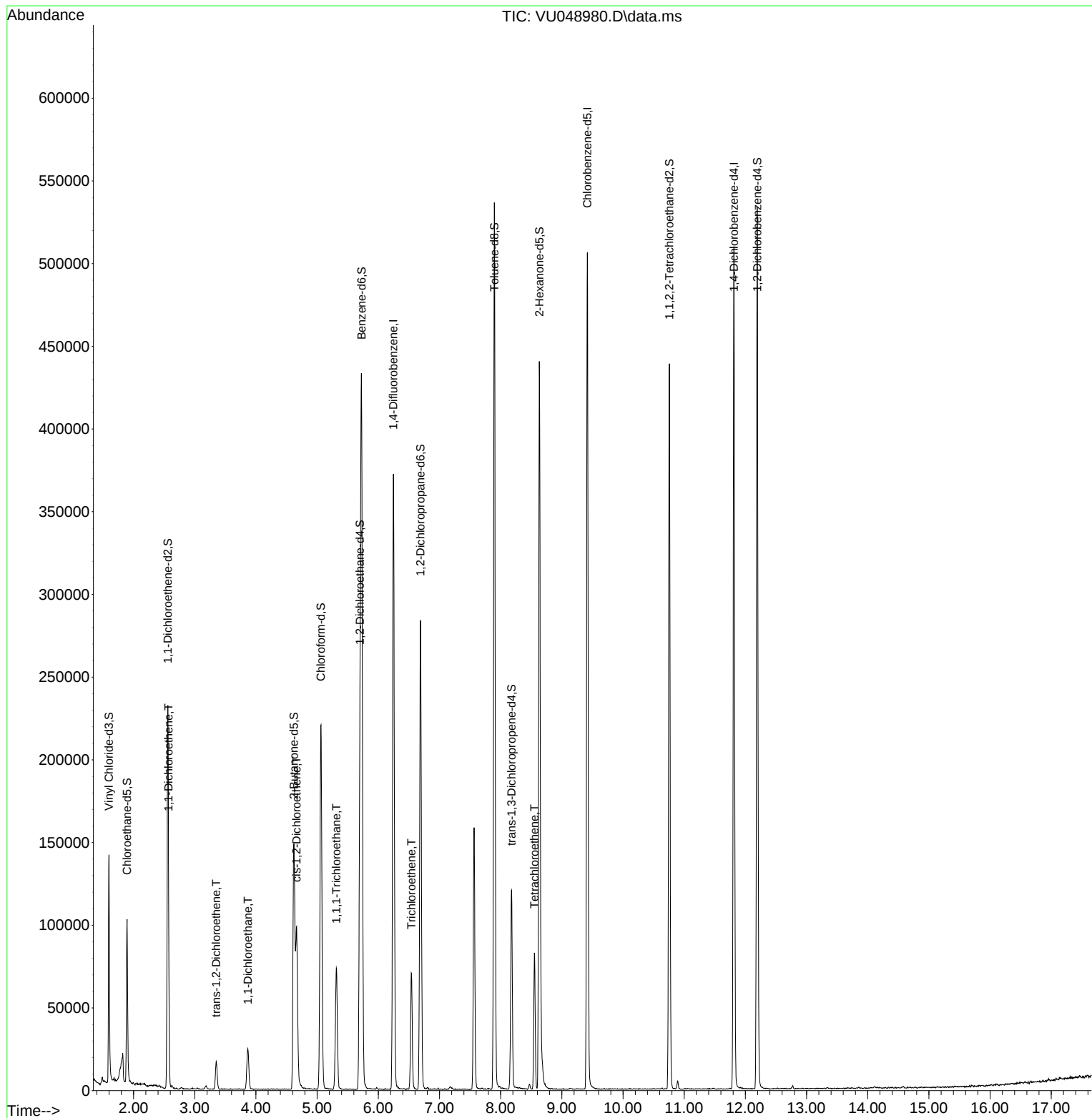
| Compound                      | R.T. QIon      |     | Response | Conc       | Units | Dev(Min) |
|-------------------------------|----------------|-----|----------|------------|-------|----------|
| -----                         |                |     |          |            |       |          |
| Internal Standards            |                |     |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 6.247          | 114 | 305351   | 50.000     | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.417          | 117 | 287926   | 50.000     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152 | 138007   | 50.000     | ug/L  | 0.00     |
| System Monitoring Compounds   |                |     |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65  | 100020   | 53.479     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |     | Recovery | = 106.960% |       |          |
| 7) Chloroethane-d5            | 1.893          | 69  | 74316    | 53.038     | ug/L  | -0.01    |
| Spiked Amount 50.000          | Range 70 - 130 |     | Recovery | = 106.080% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.559          | 63  | 141058   | 33.350     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery | = 66.700%  |       |          |
| 21) 2-Butanone-d5             | 4.620          | 46  | 217477   | 122.193    | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |     | Recovery | = 122.190% |       |          |
| 24) Chloroform-d              | 5.060          | 84  | 207825   | 43.974     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 87.940%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.700          | 65  | 141408   | 42.411     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 84.820%  |       |          |
| 32) Benzene-d6                | 5.726          | 84  | 399261   | 49.825     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |     | Recovery | = 99.660%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.690          | 67  | 138001   | 58.663     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |     | Recovery | = 117.320% |       |          |
| 41) Toluene-d8                | 7.896          | 98  | 359353   | 47.677     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery | = 95.360%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.179          | 79  | 65677    | 43.660     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |     | Recovery | = 87.320%  |       |          |
| 47) 2-Hexanone-d5             | 8.632          | 63  | 149952   | 116.232    | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |     | Recovery | = 116.230% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84  | 214537   | 55.114     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |     | Recovery | = 110.220% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152 | 143863   | 50.993     | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |     | Recovery | = 101.980% |       |          |
| Target Compounds              |                |     |          |            |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.572          | 96  | 3508     | 1.766      | ug/L  | # 1      |
| 17) trans-1,2-Dichloroethene  | 3.350          | 96  | 6776     | 3.162      | ug/L  | 95       |
| 19) 1,1-Dichloroethane        | 3.867          | 63  | 30572    | 7.793      | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 4.665          | 96  | 45688    | 18.907     | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 5.314          | 97  | 52848    | 12.122     | ug/L  | 93       |
| 34) Trichloroethene           | 6.543          | 95  | 24342    | 10.228     | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.552          | 164 | 17825    | 9.178      | ug/L  | 97       |
| -----                         |                |     |          |            |       |          |

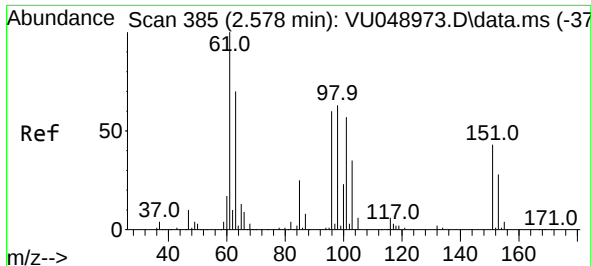
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 10 01:01:44 2022  
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#12

1,1-Dichloroethene

Concen: 1.766 ug/L

RT: 2.572 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU048980.D

Acq: 09 Jun 2022 15:30

Instrument :

MSVOA\_U

ClientSampleId :

EXYX1

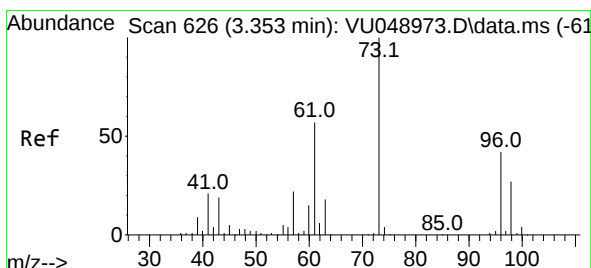
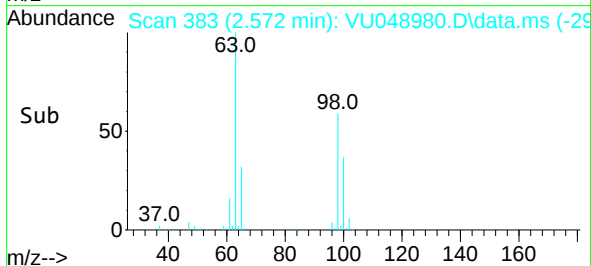
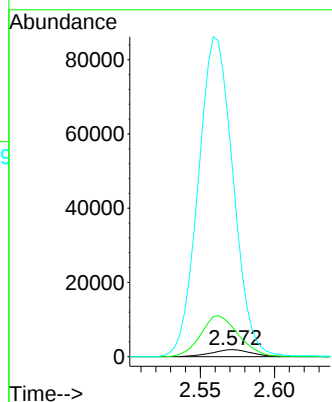
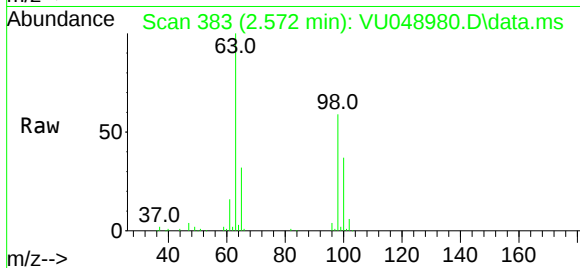
Tgt Ion: 96 Resp: 3508

Ion Ratio Lower Upper

96 100

61 416.5 120.6 224.0#

63 2660.9 82.3 152.9#



#17

trans-1,2-Dichloroethene

Concen: 3.162 ug/L

RT: 3.350 min Scan# 625

Delta R.T. -0.003 min

Lab File: VU048980.D

Acq: 09 Jun 2022 15:30

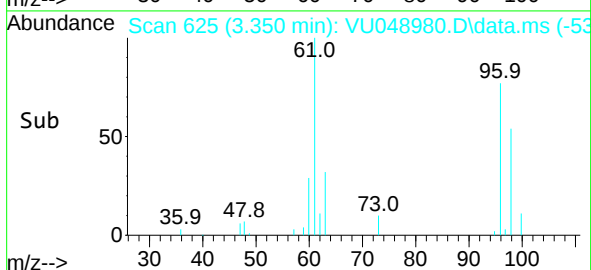
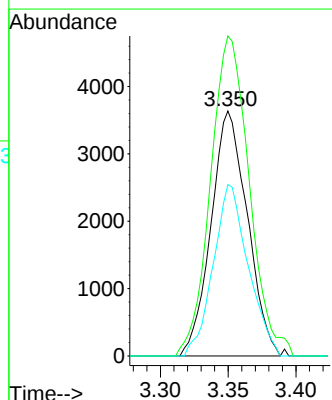
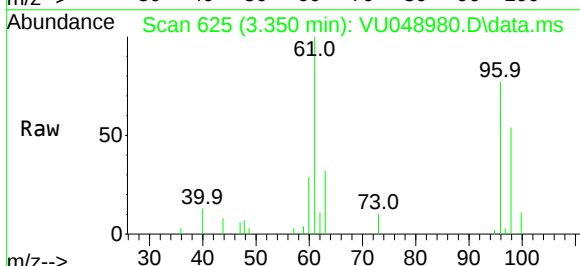
Tgt Ion: 96 Resp: 6776

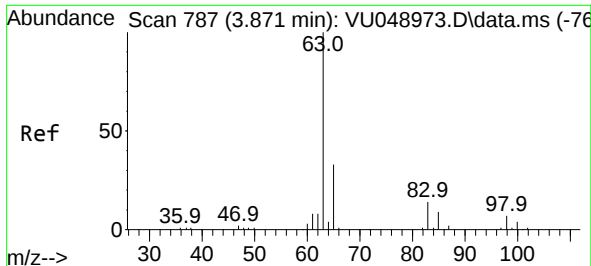
Ion Ratio Lower Upper

96 100

61 130.6 94.2 175.0

98 70.0 45.1 83.7





#19

1,1-Dichloroethane

Concen: 7.793 ug/L

RT: 3.867 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU048980.D

Acq: 09 Jun 2022 15:30

Instrument :

MSVOA\_U

ClientSampleId :

EXYX1

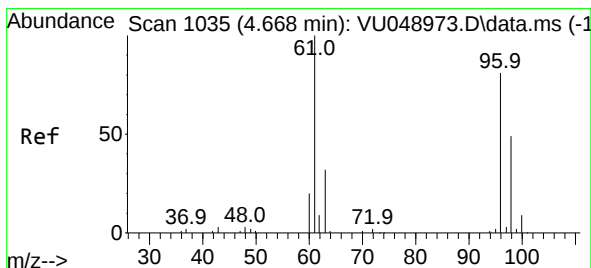
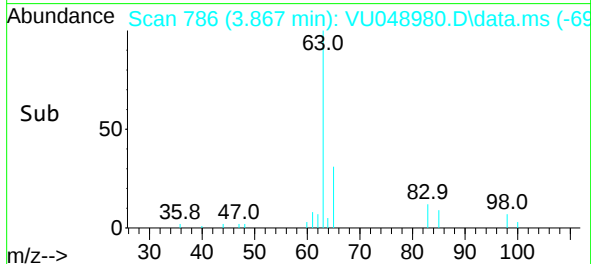
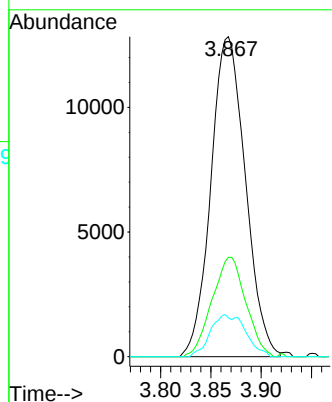
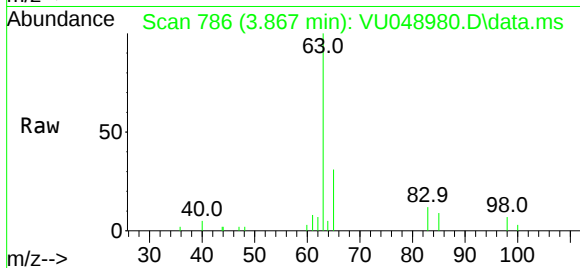
Tgt Ion: 63 Resp: 30572

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.6

83 12.1 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 18.907 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048980.D

Acq: 09 Jun 2022 15:30

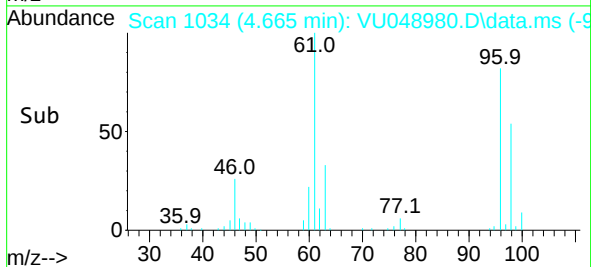
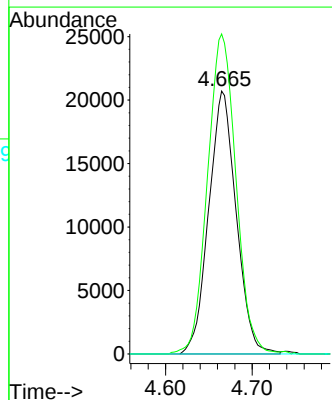
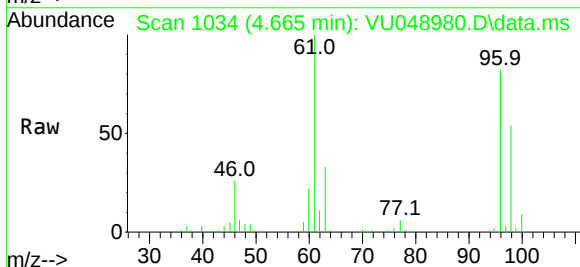
Tgt Ion: 96 Resp: 45688

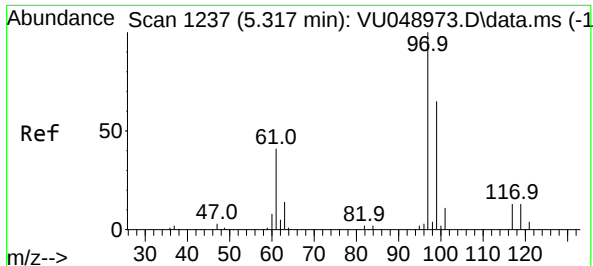
Ion Ratio Lower Upper

96 100

61 121.8 88.3 164.1

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 12.122 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048980.D

Acq: 09 Jun 2022 15:30

Instrument :

MSVOA\_U

ClientSampleId :

EXYX1

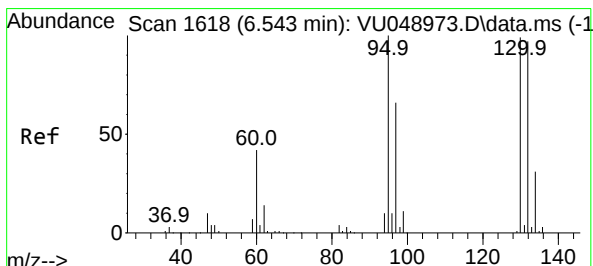
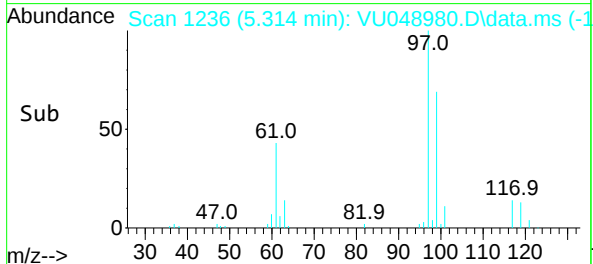
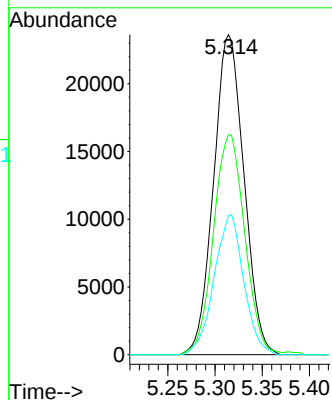
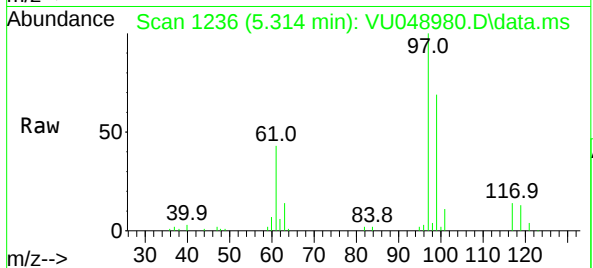
Tgt Ion: 97 Resp: 52848

Ion Ratio Lower Upper

97 100

99 70.8 50.3 75.5

61 42.6 32.6 48.8



#34

Trichloroethene

Concen: 10.228 ug/L

RT: 6.543 min Scan# 1618

Delta R.T. 0.000 min

Lab File: VU048980.D

Acq: 09 Jun 2022 15:30

Tgt Ion: 95 Resp: 24342

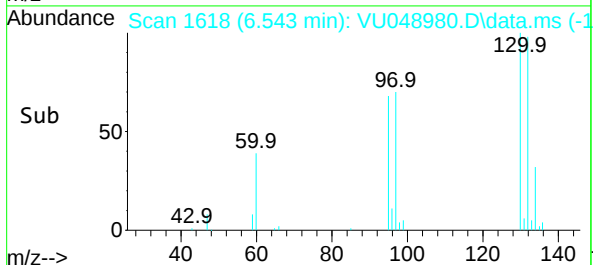
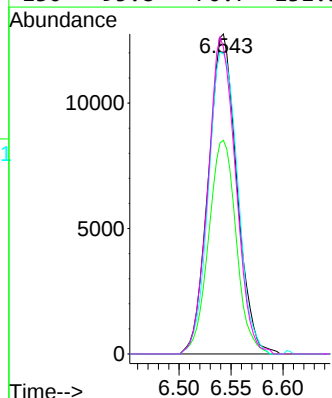
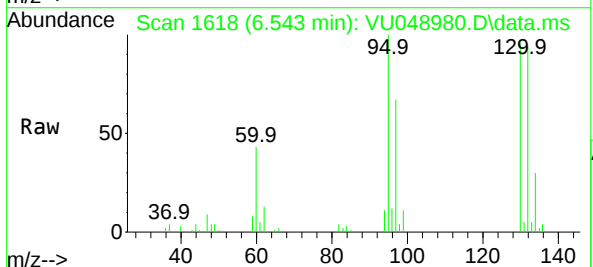
Ion Ratio Lower Upper

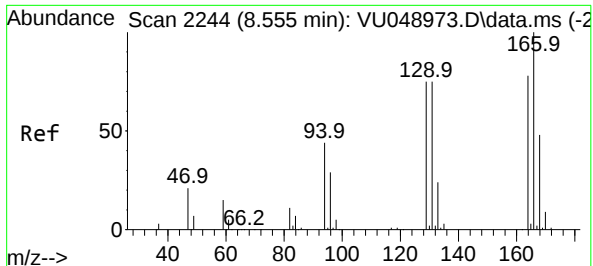
95 100

97 66.8 45.2 84.0

132 94.0 67.3 124.9

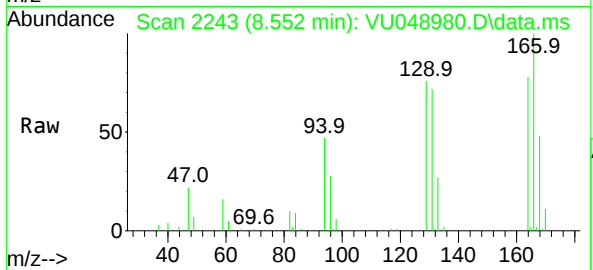
130 95.8 70.7 131.3





#46  
 Tetrachloroethene  
 Concen: 9.178 ug/L  
 RT: 8.552 min Scan# 21  
 Delta R.T. -0.003 min  
 Lab File: VU048980.D  
 Acq: 09 Jun 2022 15:30

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYX1



Tgt Ion:164 Resp: 17825

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 97.2  | 64.3  | 119.3 |
| 131 | 91.6  | 64.5  | 119.7 |
| 166 | 128.2 | 87.5  | 162.5 |

