

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061022\  
 Data File : VU049044.D  
 Acq On : 11 Jun 2022 10:17  
 Operator : SY/MD  
 Sample : N3249-04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXYY6

Quant Time: Jun 11 10:46:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jun 11 04:33:31 2022  
 Response via : Initial Calibration

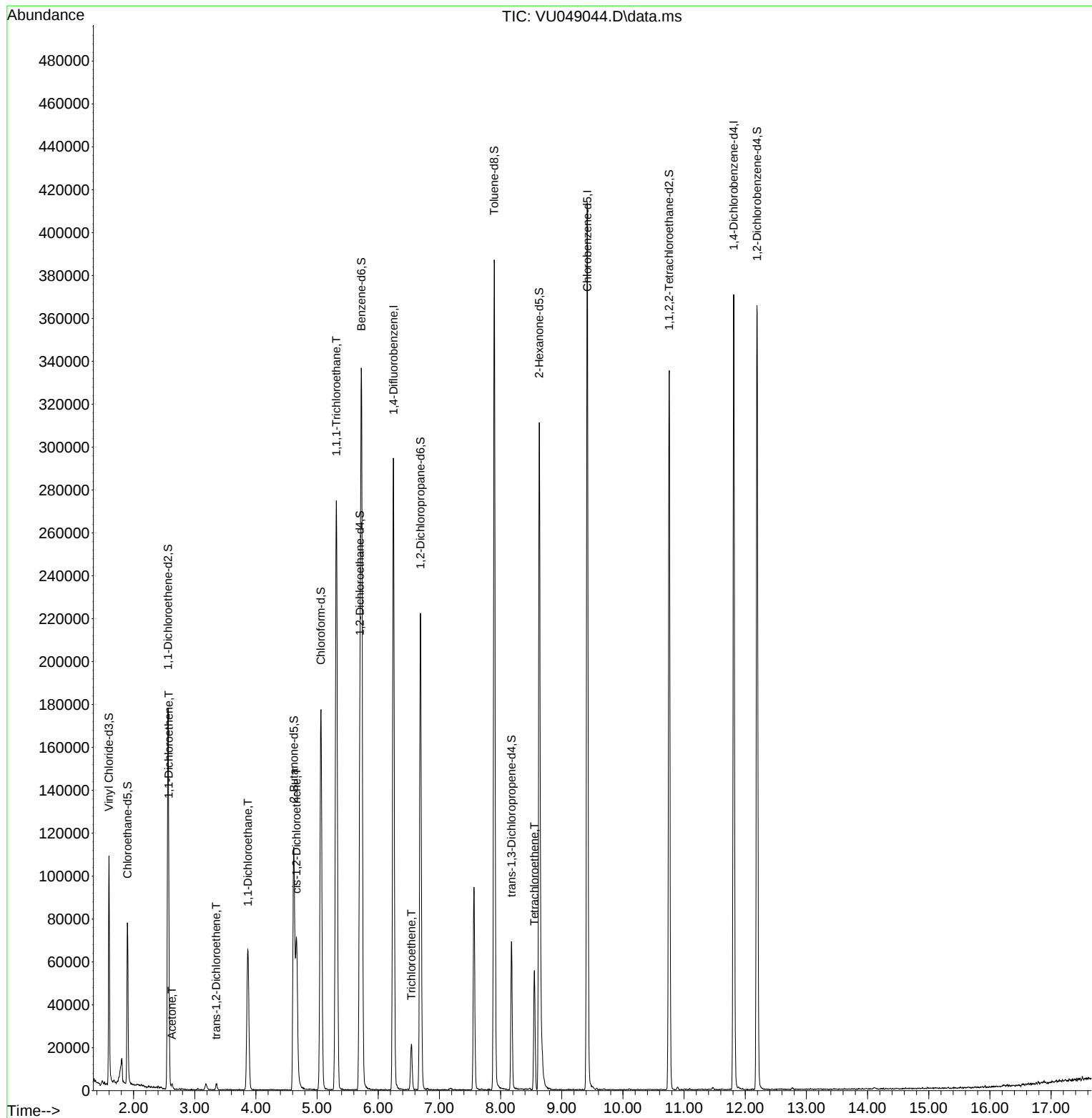
| Compound                      |         | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|---------|--------|----------|----------|------------|--------|----------|
| -----                         |         |        |          |          |            |        |          |
| Internal Standards            |         |        |          |          |            |        |          |
| 1) 1,4-Difluorobenzene        |         | 6.250  | 114      | 239081   | 50.000     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          |         | 9.417  | 117      | 233996   | 50.000     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    |         | 11.812 | 152      | 102977   | 50.000     | ug/L   | 0.00     |
| System Monitoring Compounds   |         |        |          |          |            |        |          |
| 4) Vinyl Chloride-d3          |         | 1.597  | 65       | 75531    | 51.282     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 60 - 135 | Recovery | = 102.560% |        |          |
| 7) Chloroethane-d5            |         | 1.900  | 69       | 56998    | 52.706     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 130 | Recovery | = 105.420% |        |          |
| 11) 1,1-Dichloroethene-d2     |         | 2.562  | 63       | 106368   | 38.273     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 60 - 125 | Recovery | = 76.540%  |        |          |
| 21) 2-Butanone-d5             |         | 4.620  | 46       | 162975   | 100.924    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range  | 40 - 130 | Recovery | = 100.920% |        |          |
| 24) Chloroform-d              |         | 5.063  | 84       | 167356   | 53.265     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 106.520% |        |          |
| 26) 1,2-Dichloroethane-d4     |         | 5.700  | 65       | 115128   | 56.558     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 113.120% |        |          |
| 32) Benzene-d6                |         | 5.726  | 84       | 311772   | 53.732     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 125 | Recovery | = 107.460% |        |          |
| 36) 1,2-Dichloropropane-d6    |         | 6.690  | 67       | 106081   | 54.384     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 70 - 120 | Recovery | = 108.760% |        |          |
| 41) Toluene-d8                |         | 7.896  | 98       | 259051   | 50.624     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 80 - 120 | Recovery | = 101.240% |        |          |
| 43) trans-1,3-Dichloroprop... |         | 8.179  | 79       | 38275    | 41.709     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 60 - 125 | Recovery | = 83.420%  |        |          |
| 47) 2-Hexanone-d5             |         | 8.632  | 63       | 95086    | 93.140     | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range  | 45 - 130 | Recovery | = 93.140%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... |         | 10.754 | 84       | 165283   | 50.733     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 65 - 120 | Recovery | = 101.460% |        |          |
| 66) 1,2-Dichlorobenzene-d4    |         | 12.192 | 152      | 100450   | 56.063     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range  | 80 - 120 | Recovery | = 112.120% |        |          |
| Target Compounds              |         |        |          |          |            |        |          |
|                               |         |        |          |          |            | Qvalue |          |
| 12) 1,1-Dichloroethene        |         | 2.575  | 96       | 6169     | 4.184      | ug/L   | # 1      |
| 13) Acetone                   |         | 2.626  | 43       | 2979     | 2.344      | ug/L   | 90       |
| 17) trans-1,2-Dichloroethene  |         | 3.350  | 96       | 845      | 0.521      | ug/L   | 94       |
| 19) 1,1-Dichloroethane        |         | 3.870  | 63       | 77754    | 22.264     | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    |         | 4.665  | 96       | 32517    | 16.488     | ug/L   | 92       |
| 30) 1,1,1-Trichloroethane     |         | 5.314  | 97       | 207573   | 63.609     | ug/L   | 100      |
| 34) Trichloroethene           |         | 6.542  | 95       | 7090     | 3.710      | ug/L   | 93       |
| 46) Tetrachloroethene         |         | 8.552  | 164      | 12337    | 8.328      | ug/L   | 90       |
| -----                         |         |        |          |          |            |        |          |

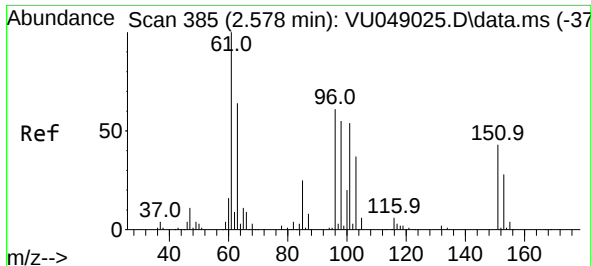
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Jun 11 04:33:31 2022  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.184 ug/L

RT: 2.575 min Scan# 3

Delta R.T. -0.003 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Instrument :

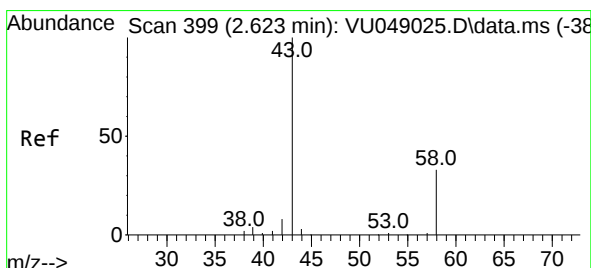
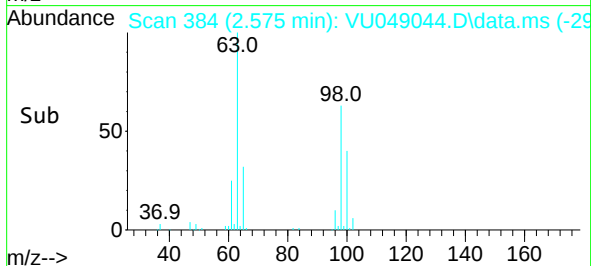
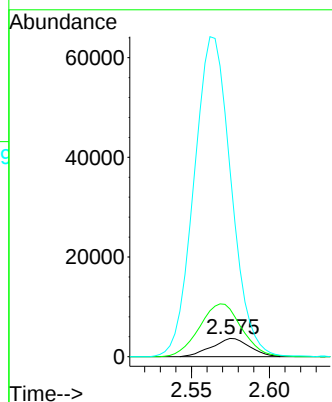
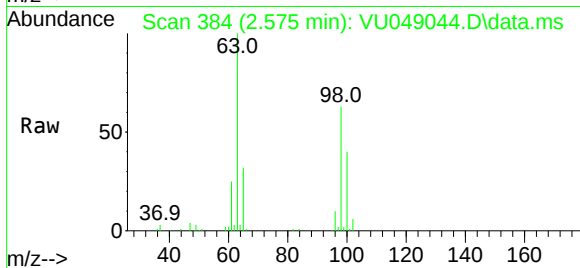
MSVOA\_U

ClientSampleId :

EXYY6

Tgt Ion: 96 Resp: 6169

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 261.5  | 123.5 | 229.3# |
| 63  | 1029.6 | 86.0  | 159.8# |



#13

Acetone

Concen: 2.344 ug/L

RT: 2.626 min Scan# 400

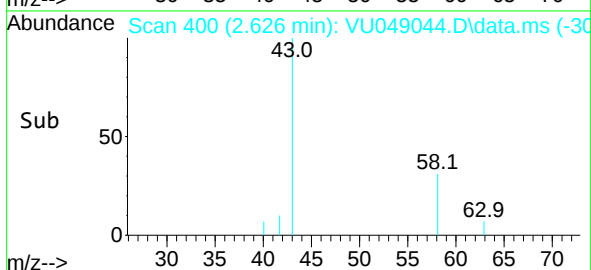
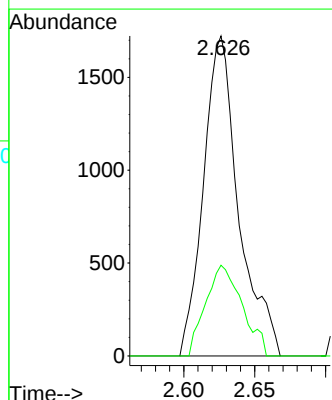
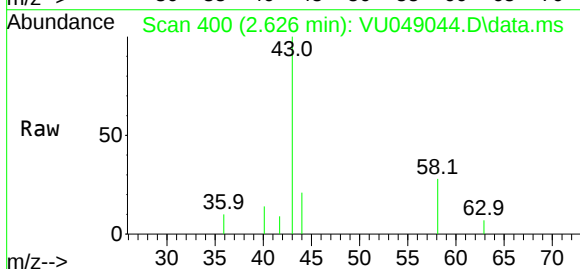
Delta R.T. 0.003 min

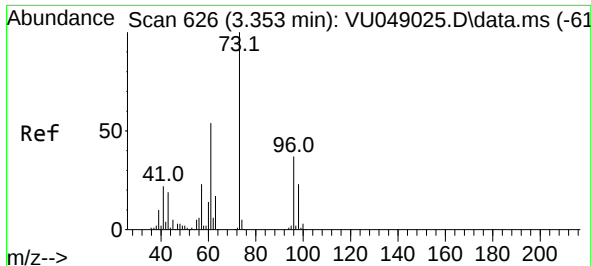
Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Tgt Ion: 43 Resp: 2979

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 27.7  | 0.0   | 66.4  |





#17

trans-1,2-Dichloroethene

Concen: 0.521 ug/L

RT: 3.350 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU049044.D

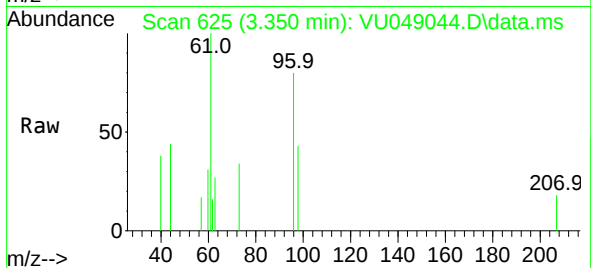
Acq: 11 Jun 2022 10:17

Instrument :

MSVOA\_U

ClientSampleId :

EXYY6



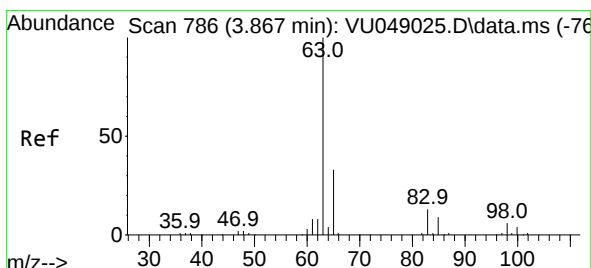
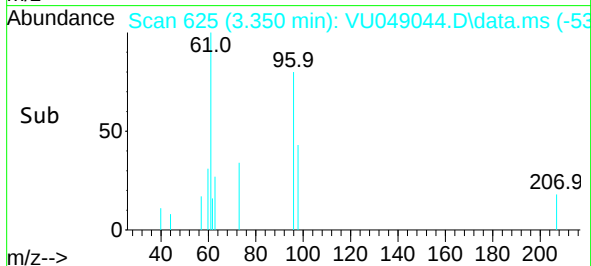
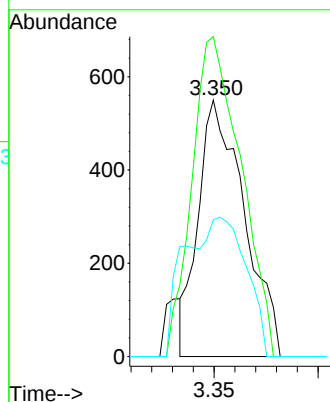
Tgt Ion: 96 Resp: 845

Ion Ratio Lower Upper

96 100

61 144.2 99.3 184.3

98 53.3 44.7 83.1



#19

1,1-Dichloroethane

Concen: 22.264 ug/L

RT: 3.870 min Scan# 787

Delta R.T. 0.003 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

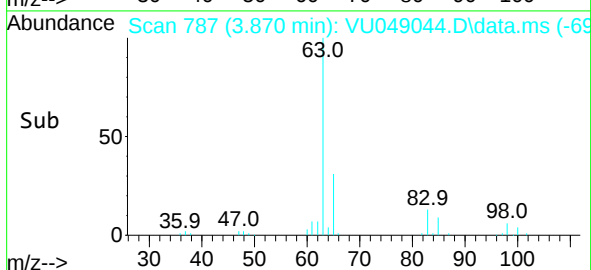
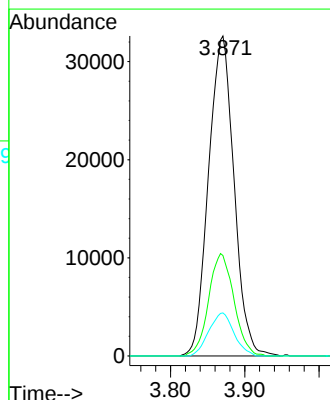
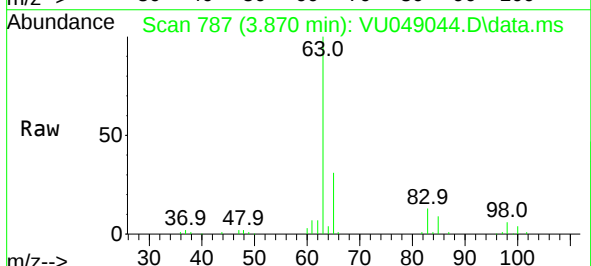
Tgt Ion: 63 Resp: 77754

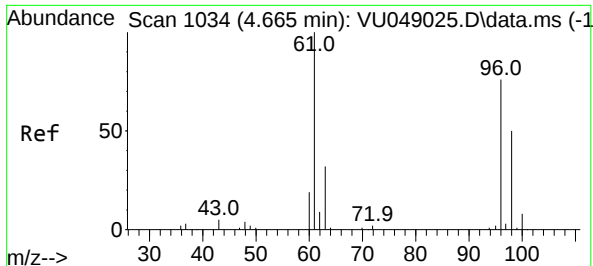
Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.5

83 13.5 9.5 17.7

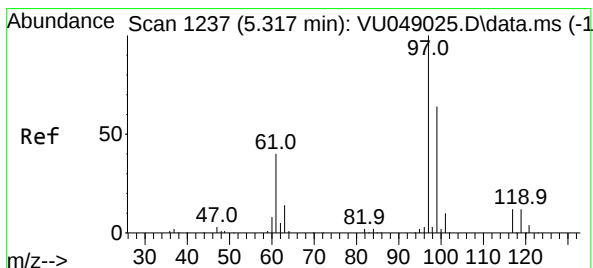
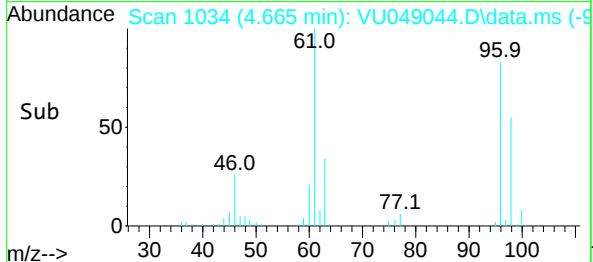
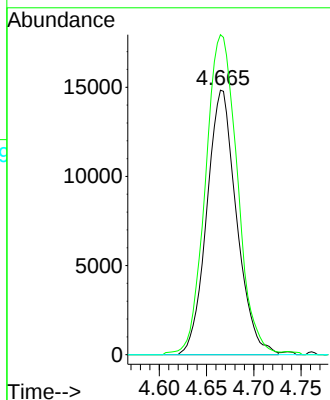
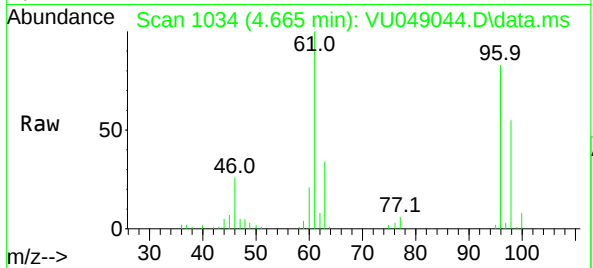




#20  
 cis-1,2-Dichloroethene  
 Concen: 16.488 ug/L  
 RT: 4.665 min Scan# 1034  
 Delta R.T. 0.000 min  
 Lab File: VU049044.D  
 Acq: 11 Jun 2022 10:17

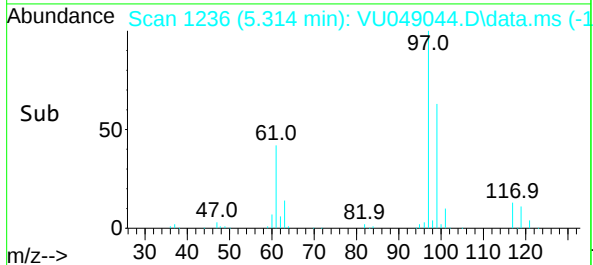
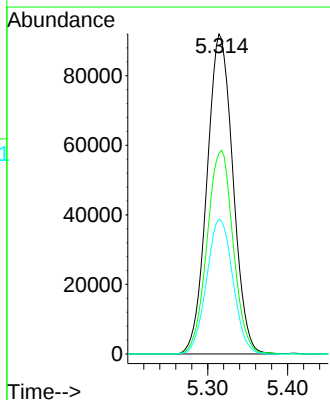
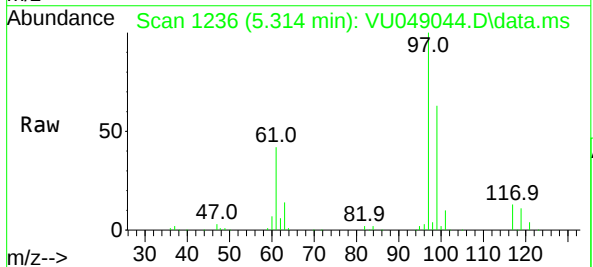
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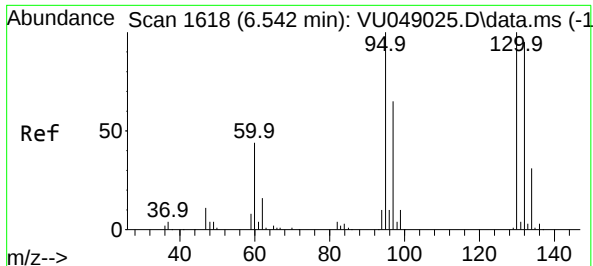
Tgt Ion: 96 Resp: 32517  
 Ion Ratio Lower Upper  
 96 100  
 61 121.0 91.6 170.2  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 63.609 ug/L  
 RT: 5.314 min Scan# 1236  
 Delta R.T. -0.003 min  
 Lab File: VU049044.D  
 Acq: 11 Jun 2022 10:17

Tgt Ion: 97 Resp: 207573  
 Ion Ratio Lower Upper  
 97 100  
 99 64.1 50.9 76.3  
 61 42.6 34.2 51.2





#34

Trichloroethene

Concen: 3.710 ug/L

RT: 6.542 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Instrument :

MSVOA\_U

ClientSampleId :

EXYY6

Tgt Ion: 95 Resp: 7090

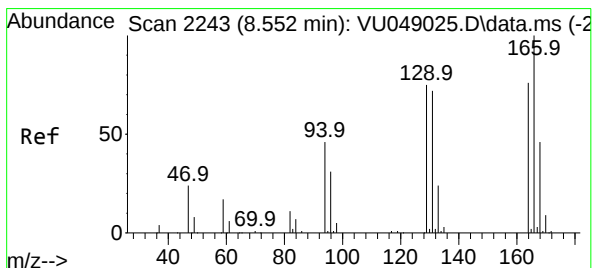
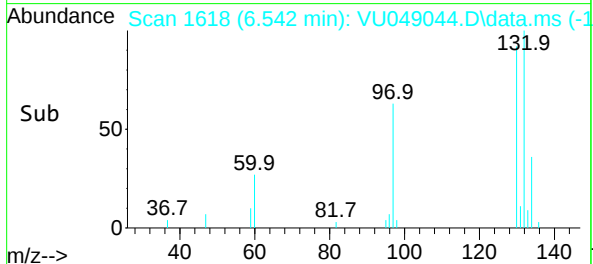
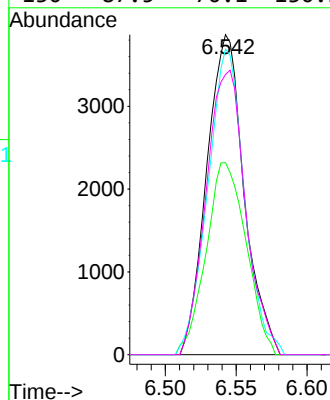
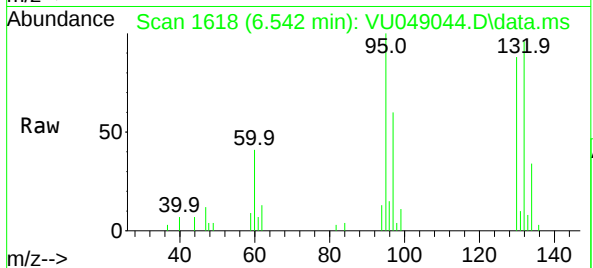
Ion Ratio Lower Upper

95 100

97 60.0 45.4 84.4

132 95.5 67.6 125.6

130 87.5 70.1 130.3



#46

Tetrachloroethene

Concen: 8.328 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.000 min

Lab File: VU049044.D

Acq: 11 Jun 2022 10:17

Tgt Ion: 164 Resp: 12337

Ion Ratio Lower Upper

164 100

129 100.9 70.9 131.7

131 107.7 66.2 123.0

166 143.3 88.1 163.5

