

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100721\  
 Data File : VU045215.D  
 Acq On : 07 Oct 2021 16:29  
 Operator : SY/MD  
 Sample : M4025-17  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Oct 07 21:38:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 07 21:34:31 2021  
 Response via : Initial Calibration

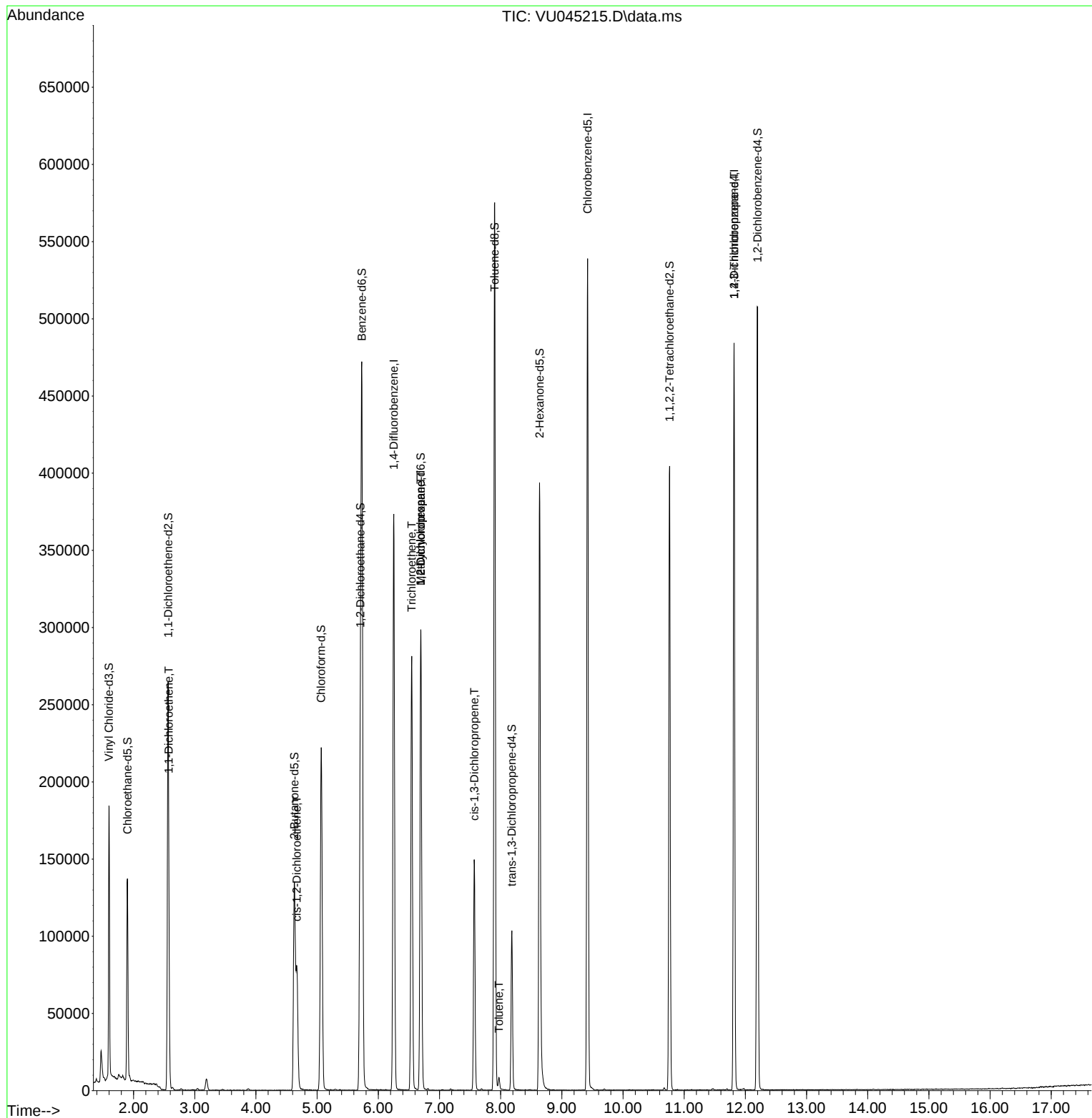
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253          | 114  | 289219     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 276037     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816         | 152  | 120153     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 117118     | 36.991   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 73.980%  |        |          |
| 7) Chloroethane-d5            | 1.900          | 69   | 99896      | 39.816   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 79.640%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 157852     | 29.688   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 59.380%# |        |          |
| 21) 2-Butanone-d5             | 4.626          | 46   | 187583     | 74.942   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 74.940%  |        |          |
| 24) Chloroform-d              | 5.067          | 84   | 200038     | 40.003   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 80.000%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.707          | 65   | 142532     | 42.080   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.160%  |        |          |
| 32) Benzene-d6                | 5.732          | 84   | 418587     | 43.701   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 87.400%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 133338     | 42.693   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 85.380%  |        |          |
| 41) Toluene-d8                | 7.903          | 98   | 364572     | 44.105   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 88.220%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 54608      | 39.307   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 78.620%  |        |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 136187     | 78.685   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 78.690%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761         | 84   | 197674     | 40.645   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 81.300%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198         | 152  | 124037     | 47.435   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.880%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.575          | 96   | 7407       | 3.307    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 4.668          | 96   | 35030      | 13.474   | ug/L   | 93       |
| 34) Trichloroethene           | 6.546          | 95   | 94856      | 38.574   | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.694          | 83   | 32477      | 7.888    | ug/L # | 17       |
| 37) 1,2-Dichloropropane       | 6.694          | 63   | 15286      | 5.484    | ug/L # | 88       |
| 39) cis-1,3-Dichloropropene   | 7.571          | 75   | 3523       | 0.883    | ug/L # | 71       |
| 42) Toluene                   | 7.973          | 91   | 5622       | 0.540    | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 11.816         | 75   | 15993      | 4.813    | ug/L # | 67       |
| -----                         |                |      |            |          |        |          |

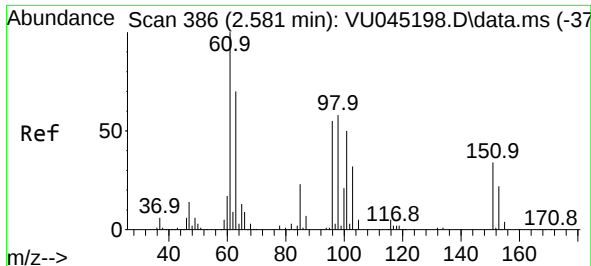
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Thu Oct 07 21:34:31 2021  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 3.307 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.006 min

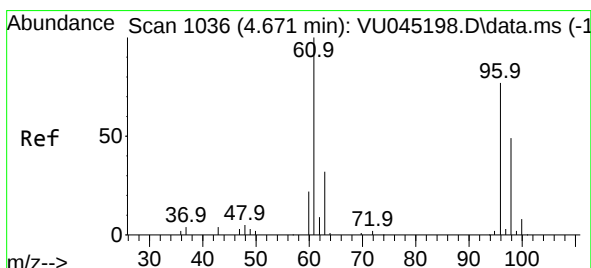
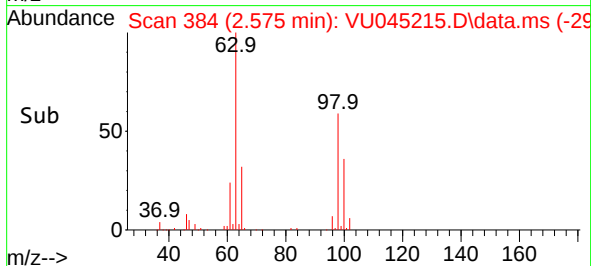
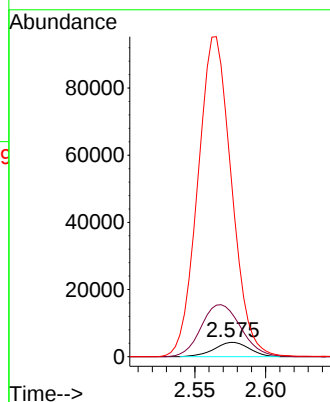
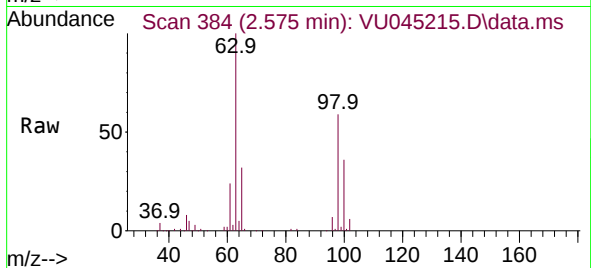
Lab File: VU045215.D

Acq: 07 Oct 2021 16:29

Tgt Ion: 96 Resp: 7407

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 319.7  | 131.3 | 243.9# |
| 63  | 1343.8 | 102.5 | 190.3# |

Instrument :  
MSVOA\_U  
ClientSampled :



#20

cis-1,2-Dichloroethene

Concen: 13.474 ug/L

RT: 4.668 min Scan# 1035

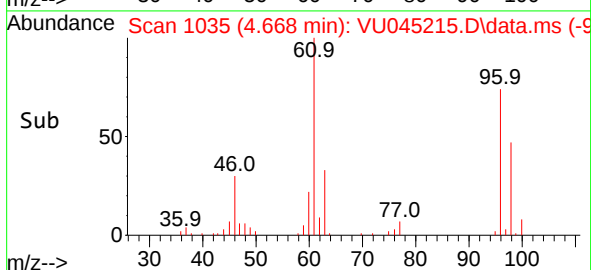
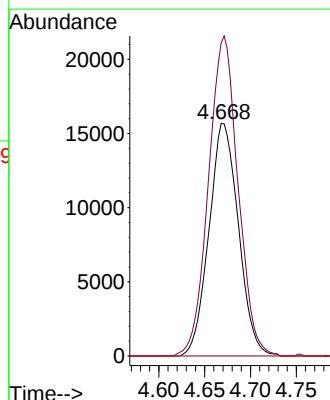
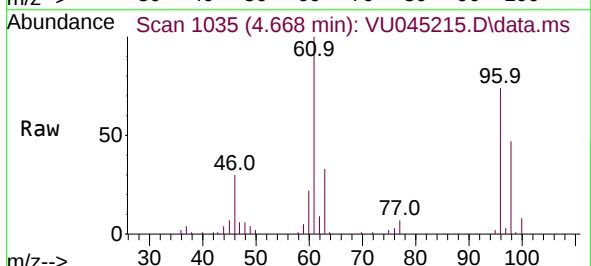
Delta R.T. -0.003 min

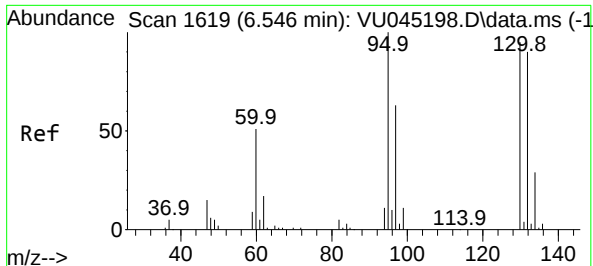
Lab File: VU045215.D

Acq: 07 Oct 2021 16:29

Tgt Ion: 96 Resp: 35030

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 134.7 | 100.2 | 186.0 |
| 68  | 0.0   | 0.0   | 0.0   |





#34

Trichloroethene

Concen: 38.574 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045215.D

Acq: 07 Oct 2021 16:29

Tgt Ion: 95 Resp: 94856

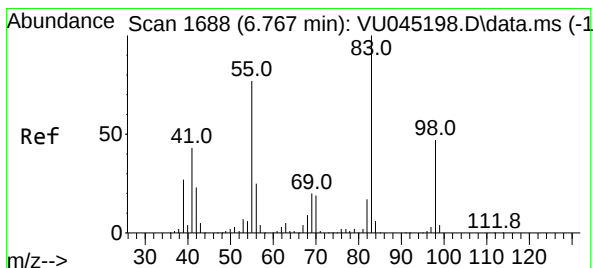
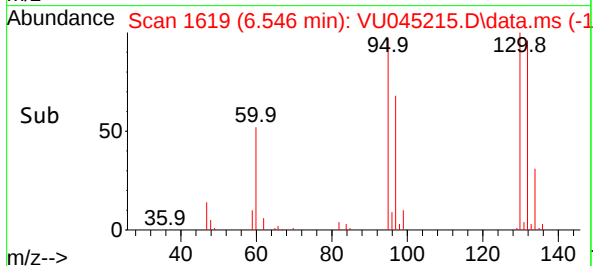
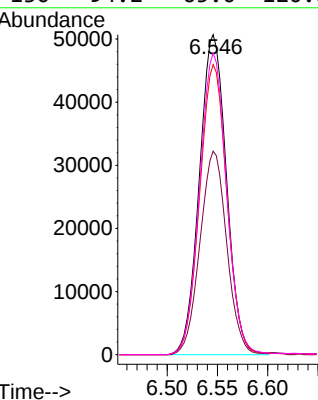
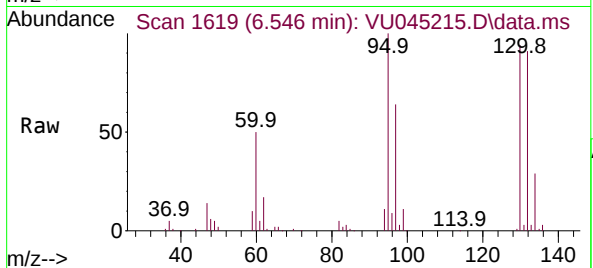
Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 90.6 62.9 116.9

130 94.2 65.0 120.8



#35

Methylcyclohexane

Concen: 7.888 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU045215.D

Acq: 07 Oct 2021 16:29

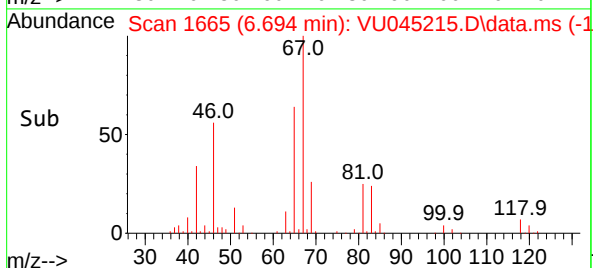
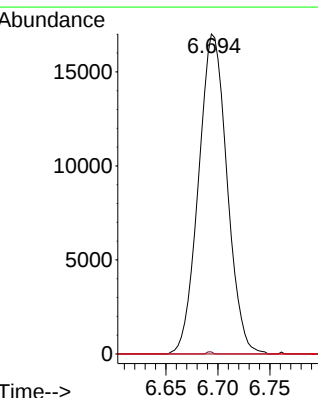
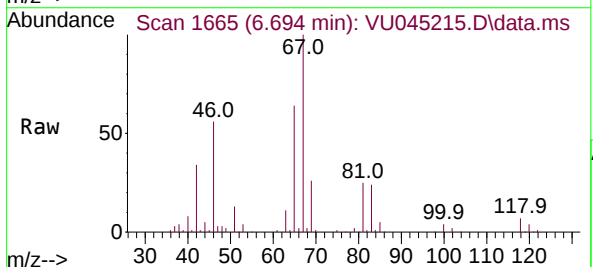
Tgt Ion: 83 Resp: 32477

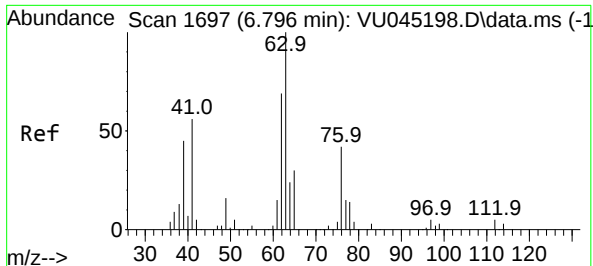
Ion Ratio Lower Upper

83 100

55 0.1 65.8 98.6#

98 0.9 37.1 55.7#



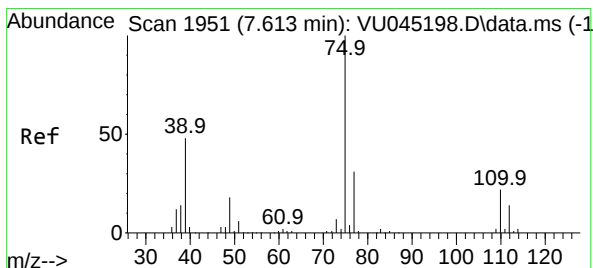
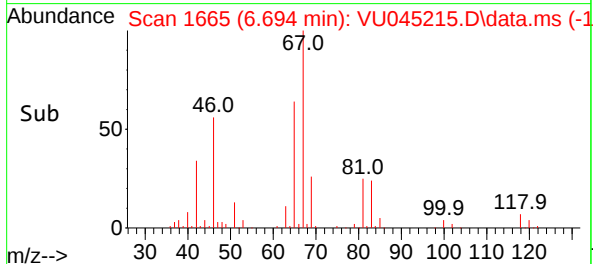
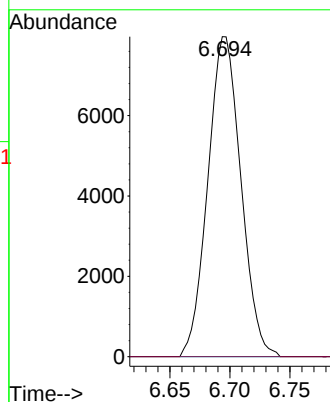
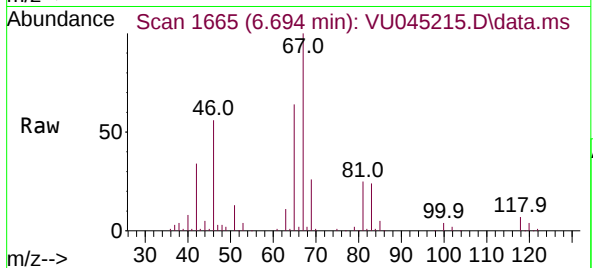


#37

1,2-Dichloropropane  
Concen: 5.484 ug/L  
RT: 6.694 min Scan# 1665  
Delta R.T. -0.103 min  
Lab File: VU045215.D  
Acq: 07 Oct 2021 16:29

Instrument :  
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ClientSampleId :

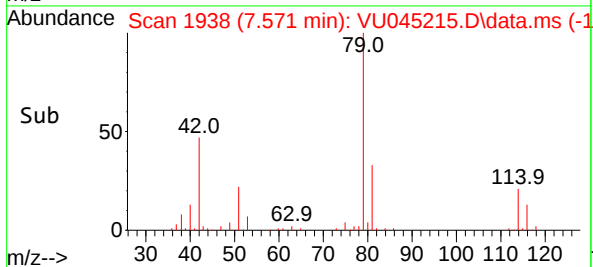
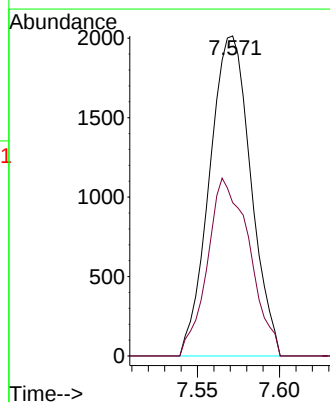
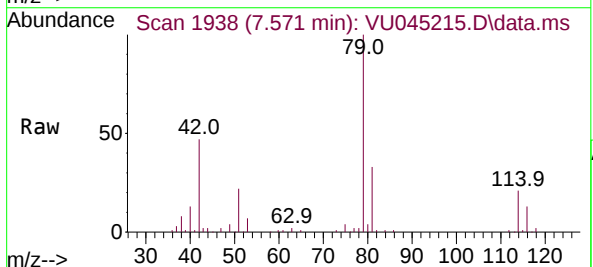
Tgt Ion: 63 Resp: 15286  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#

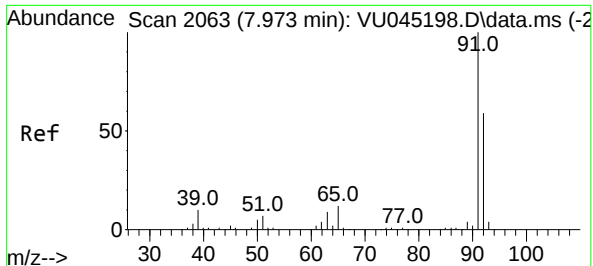


#39

cis-1,3-Dichloropropene  
Concen: 0.883 ug/L  
RT: 7.571 min Scan# 1938  
Delta R.T. -0.042 min  
Lab File: VU045215.D  
Acq: 07 Oct 2021 16:29

Tgt Ion: 75 Resp: 3523  
Ion Ratio Lower Upper  
75 100  
77 47.9 22.4 41.6#

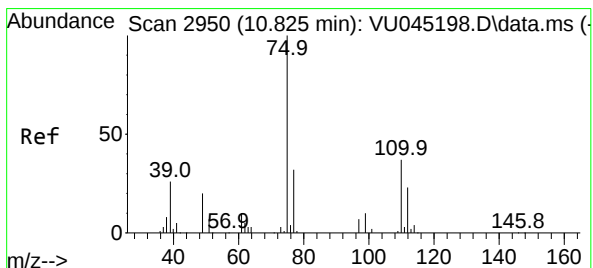
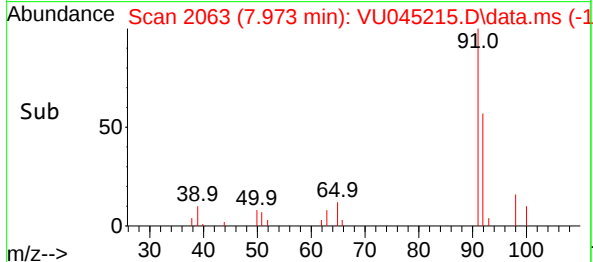
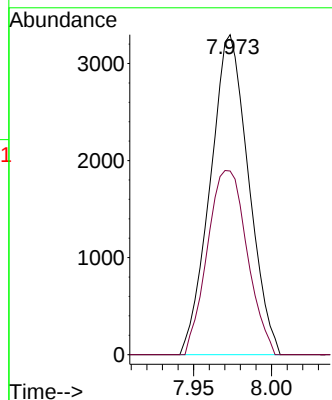
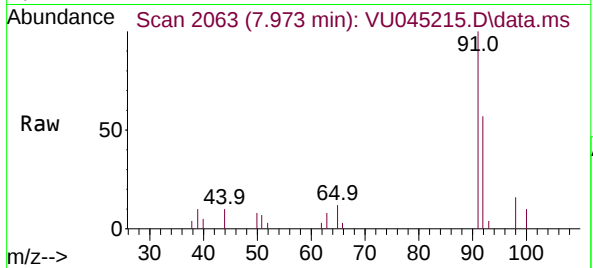




#42  
Toluene  
Concen: 0.540 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU045215.D  
Acq: 07 Oct 2021 16:29

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 91 Resp: 5622  
Ion Ratio Lower Upper  
91 100  
92 57.4 40.5 75.1



#60  
1,2,3-Trichloropropane  
Concen: 4.813 ug/L  
RT: 11.816 min Scan# 3258  
Delta R.T. 0.990 min  
Lab File: VU045215.D  
Acq: 07 Oct 2021 16:29

Tgt Ion: 75 Resp: 15993  
Ion Ratio Lower Upper  
75 100  
77 34.3 25.5 38.3  
110 1.6 29.0 43.4#

