

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU013122\  
 Data File : VU046922.D  
 Acq On : 31 Jan 2022 17:03  
 Operator : SY/MD  
 Sample : N1328-19 10X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COHN8

Quant Time: Feb 01 00:27:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Feb 01 00:23:47 2022  
 Response via : Initial Calibration

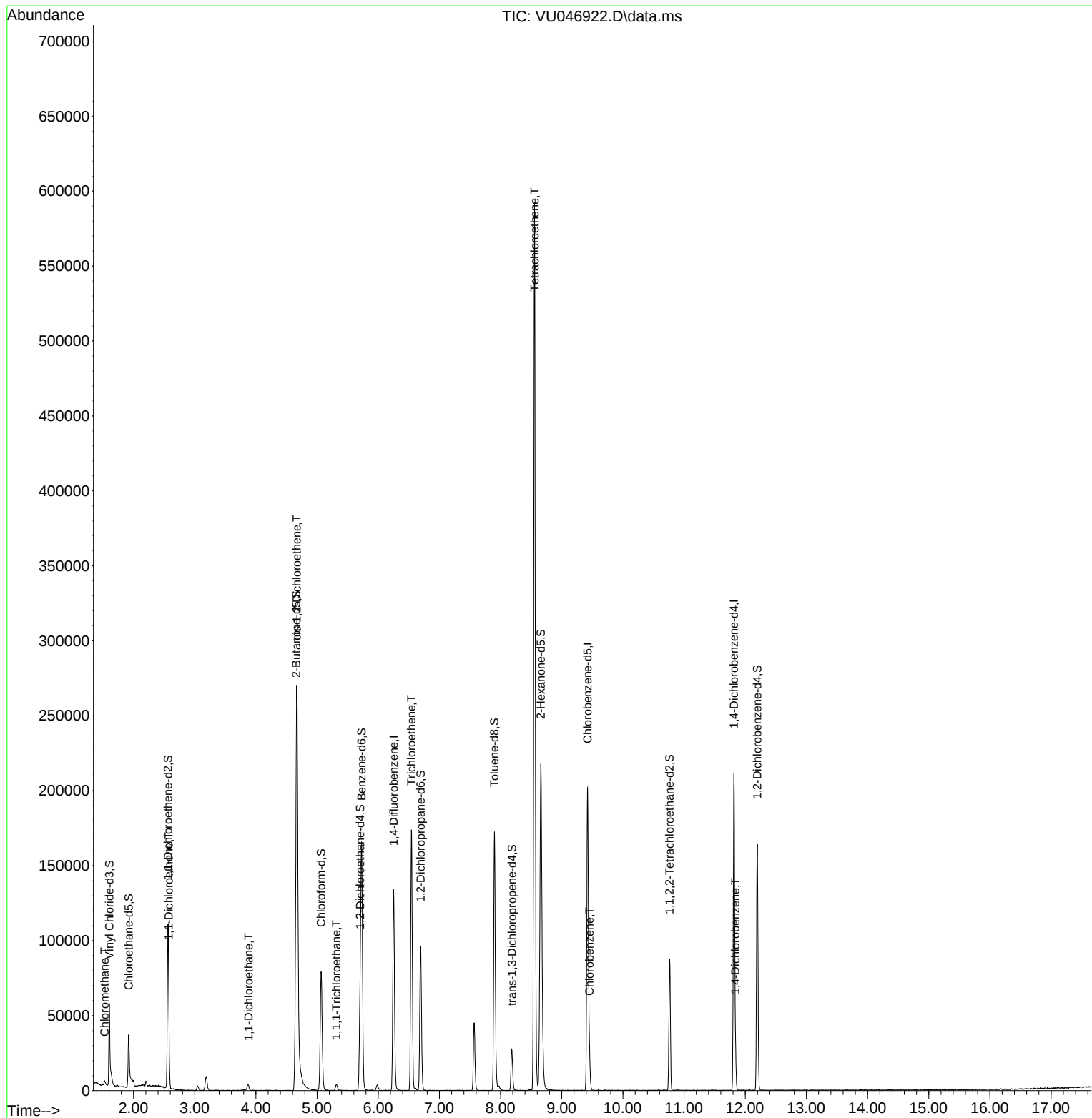
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114            | 112111   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117            | 124498   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.815 | 152            | 55196    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65             | 51940    | 5.467  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 109.400% |          |
| 7) Chloroethane-d5            | 1.919  | 69             | 38621    | 5.160  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 103.200% |          |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65             | 20147    | 5.332  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 106.600% |          |
| 20) 2-Butanone-d5             | 4.661  | 46             | 125293   | 44.520 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 89.040%  |          |
| 24) Chloroform-d              | 5.066  | 84             | 73843    | 4.428  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 88.600%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65             | 43001    | 4.735  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 94.600%  |          |
| 32) Benzene-d6                | 5.729  | 84             | 153310   | 4.190  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 83.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67             | 47813    | 4.352  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 87.000%  |          |
| 41) Toluene-d8                | 7.899  | 98             | 123393   | 3.684  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 73.600%  |          |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79             | 18877    | 3.913  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 78.200%  |          |
| 46) 2-Hexanone-d5             | 8.658  | 63             | 109416   | 38.300 | ug/L     | 0.02     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 76.600%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84             | 45607    | 4.135  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 82.600%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152            | 43749    | 4.226  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 84.600%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
| 3) Chloromethane              | 1.526  | 50             | 2528     | 0.291  | ug/L     | 96       |
| 12) 1,1-Dichloroethene        | 2.575  | 96             | 4047     | 0.646  | ug/L #   | 1        |
| 19) 1,1-Dichloroethane        | 3.880  | 63             | 4712     | 0.414  | ug/L     | 98       |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96             | 123734   | 17.299 | ug/L     | 98       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97             | 3116     | 0.278  | ug/L     | 99       |
| 34) Trichloroethene           | 6.542  | 95             | 60378    | 7.934  | ug/L     | 97       |
| 47) Tetrachloroethene         | 8.555  | 164            | 130512   | 21.086 | ug/L     | 96       |
| 51) Chlorobenzene             | 9.452  | 112            | 12614    | 0.620  | ug/L     | 99       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146            | 9657     | 0.747  | ug/L     | 96       |
| -----                         |        |                |          |        |          |          |

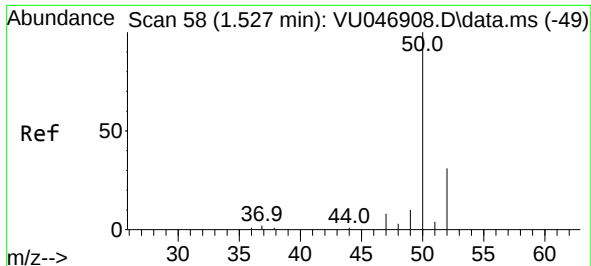
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

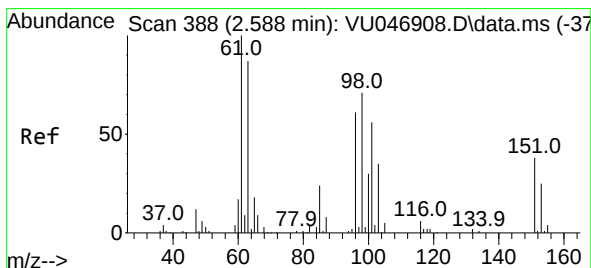
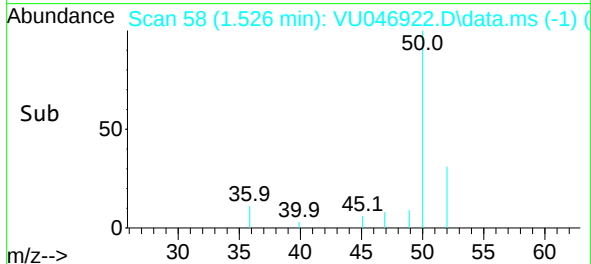
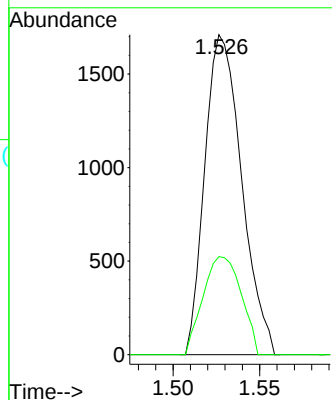
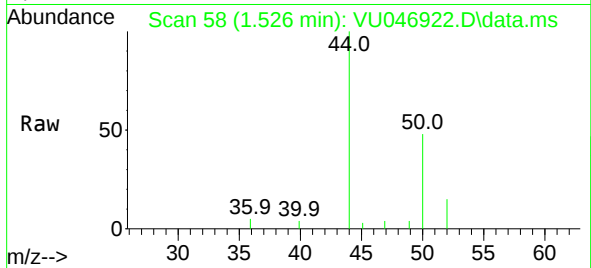




#3  
Chloromethane  
Concen: 0.291 ug/L  
RT: 1.526 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU046922.D  
Acq: 31 Jan 2022 17:03

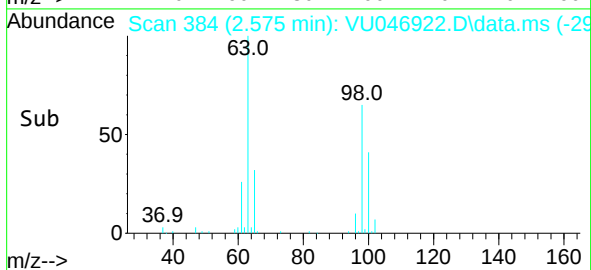
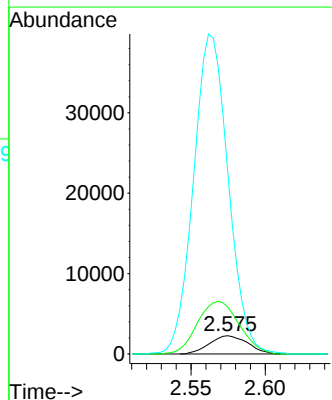
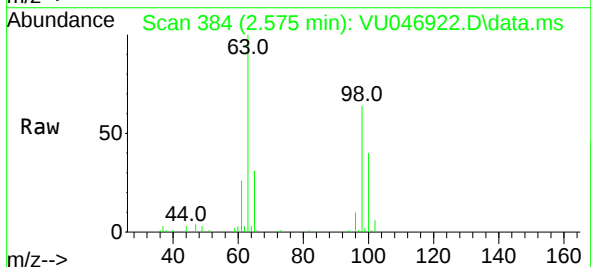
Instrument :  
MSVOA\_U  
ClientSampleId :  
COHN8

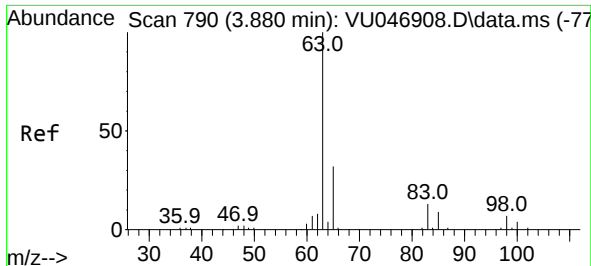
Tgt Ion: 50 Resp: 2528  
Ion Ratio Lower Upper  
50 100  
52 30.6 23.0 42.8



#12  
1,1-Dichloroethene  
Concen: 0.646 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.013 min  
Lab File: VU046922.D  
Acq: 31 Jan 2022 17:03

Tgt Ion: 96 Resp: 4047  
Ion Ratio Lower Upper  
96 100  
61 256.8 124.7 231.5#  
63 995.6 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 0.414 ug/L

RT: 3.880 min Scan# 790

Delta R.T. -0.000 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA\_U

ClientSampleId :

COHN8

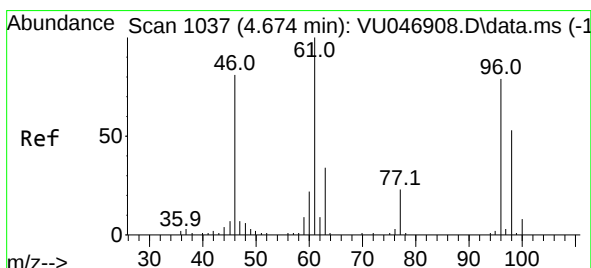
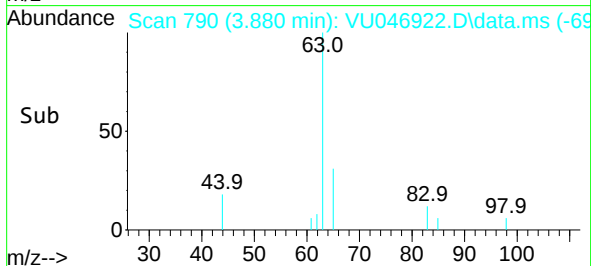
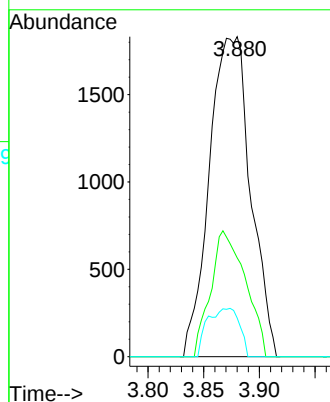
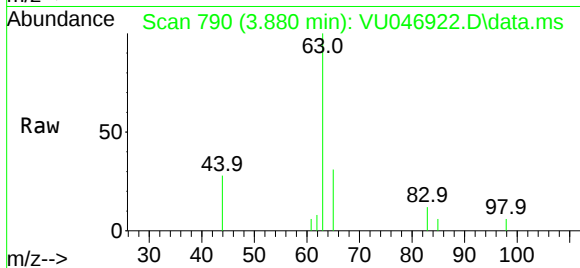
Tgt Ion: 63 Resp: 4712

Ion Ratio Lower Upper

63 100

65 30.9 22.3 41.5

83 12.1 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 17.299 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.007 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

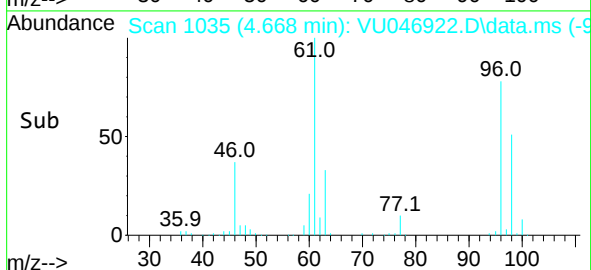
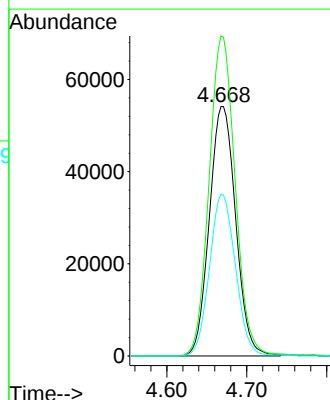
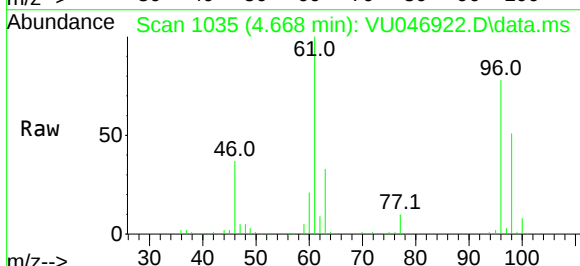
Tgt Ion: 96 Resp: 123734

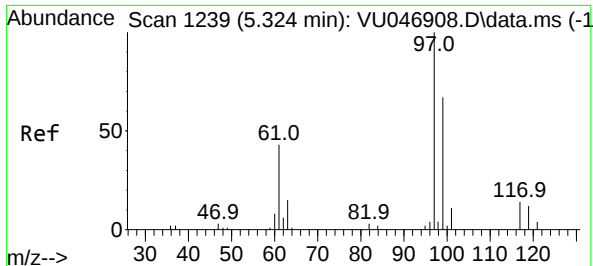
Ion Ratio Lower Upper

96 100

61 128.3 88.5 164.3

98 64.9 44.4 82.5





#29

1,1,1-Trichloroethane

Concen: 0.278 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.010 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Instrument :

MSVOA\_U

ClientSampleId :

COHN8

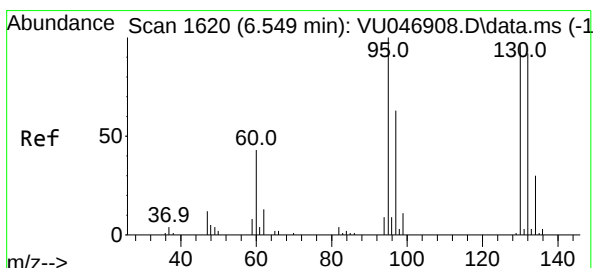
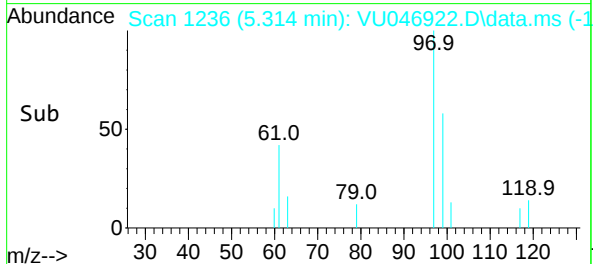
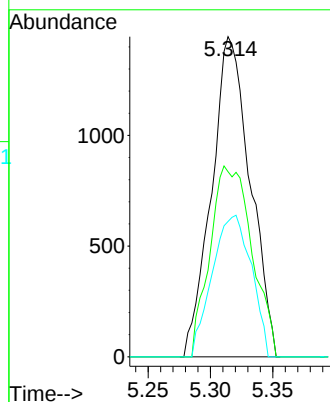
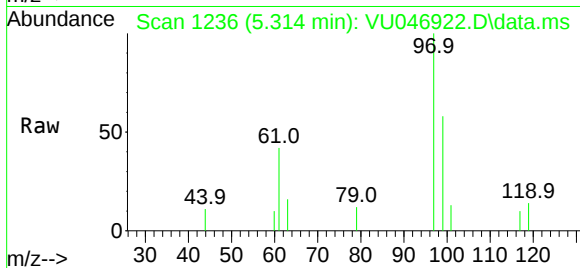
Tgt Ion: 97 Resp: 3116

Ion Ratio Lower Upper

97 100

99 64.7 51.3 76.9

61 44.7 36.1 54.1



#34

Trichloroethene

Concen: 7.934 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.007 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

Tgt Ion: 95 Resp: 60378

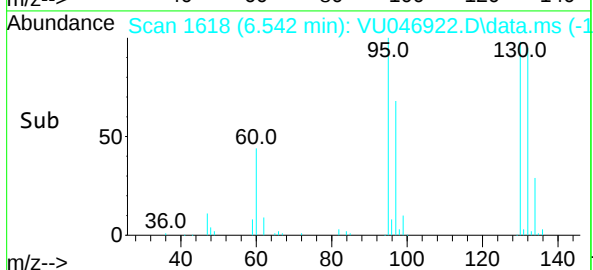
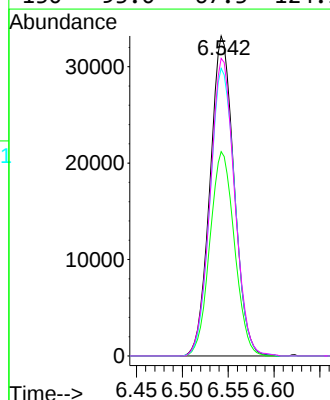
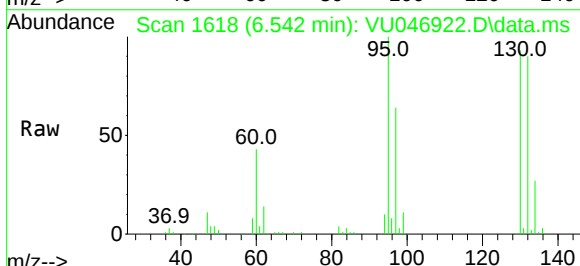
Ion Ratio Lower Upper

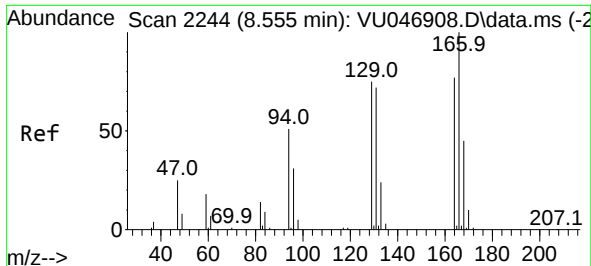
95 100

97 63.8 46.5 86.5

132 89.9 65.1 120.9

130 93.0 67.3 124.9





#47

Tetrachloroethene

Concen: 21.086 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU046922.D

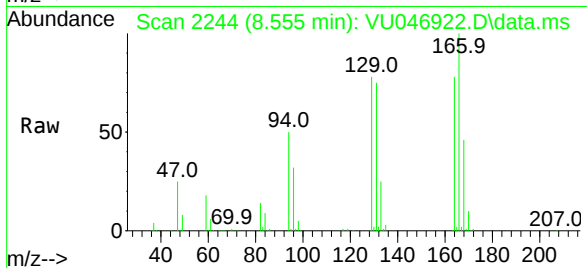
Acq: 31 Jan 2022 17:03

Instrument :

MSVOA\_U

ClientSampleId :

COHN8



Tgt Ion:164 Resp: 130512

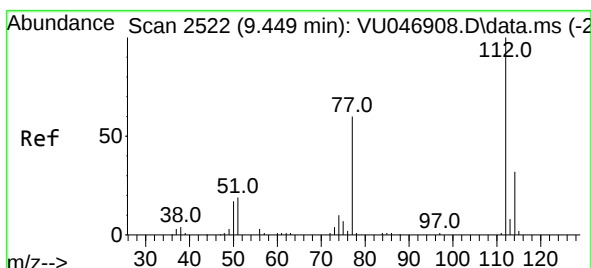
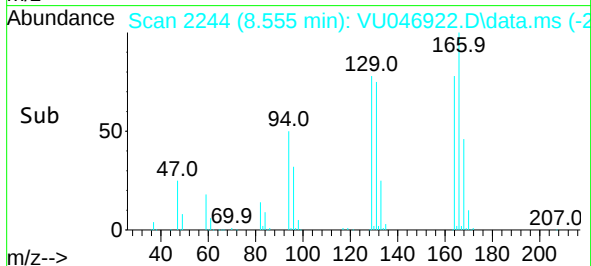
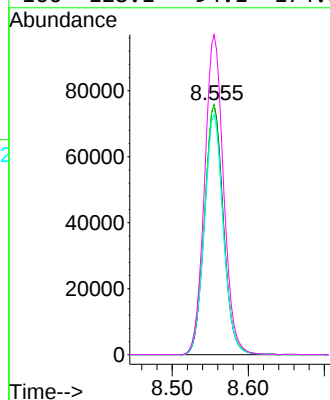
Ion Ratio Lower Upper

164 100

129 99.6 71.8 133.4

131 96.1 68.5 127.3

166 128.1 94.1 174.8



#51

Chlorobenzene

Concen: 0.620 ug/L

RT: 9.452 min Scan# 2523

Delta R.T. 0.003 min

Lab File: VU046922.D

Acq: 31 Jan 2022 17:03

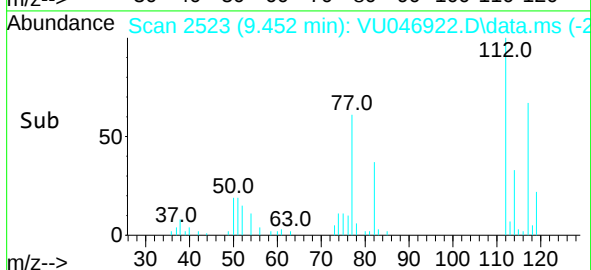
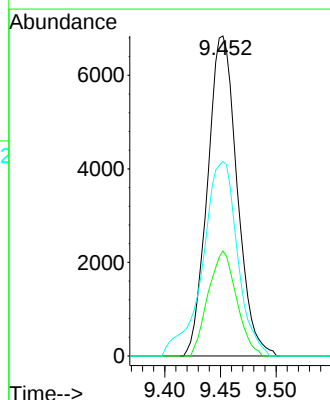
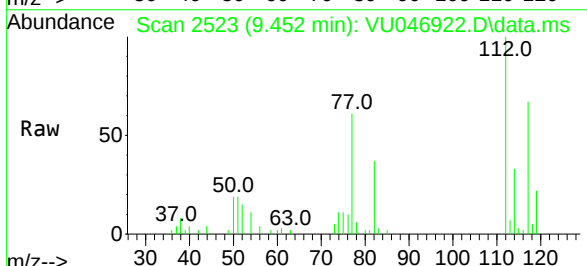
Tgt Ion:112 Resp: 12614

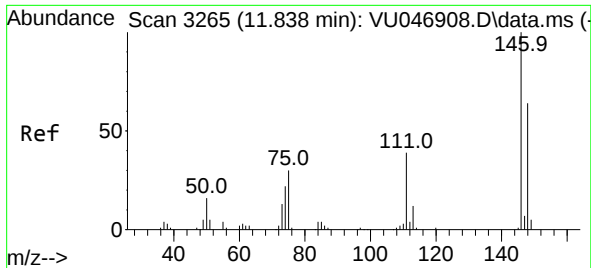
Ion Ratio Lower Upper

112 100

114 32.8 22.1 41.1

77 60.8 48.3 72.5





#65

1,4-Dichlorobenzene

Concen: 0.747 ug/L

RT: 11.841 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU046922.D

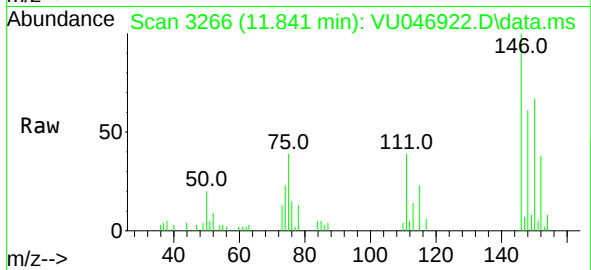
Acq: 31 Jan 2022 17:03

Instrument :

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Tgt Ion:146 Resp: 9657

Ion Ratio Lower Upper

146 100

111 39.0 28.7 53.3

148 61.3 45.8 85.0

