

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU013122\  
 Data File : VU046924.D  
 Acq On : 31 Jan 2022 17:52  
 Operator : SY/MD  
 Sample : N1328-18 100X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COHN7

Quant Time: Feb 01 00:28:13 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

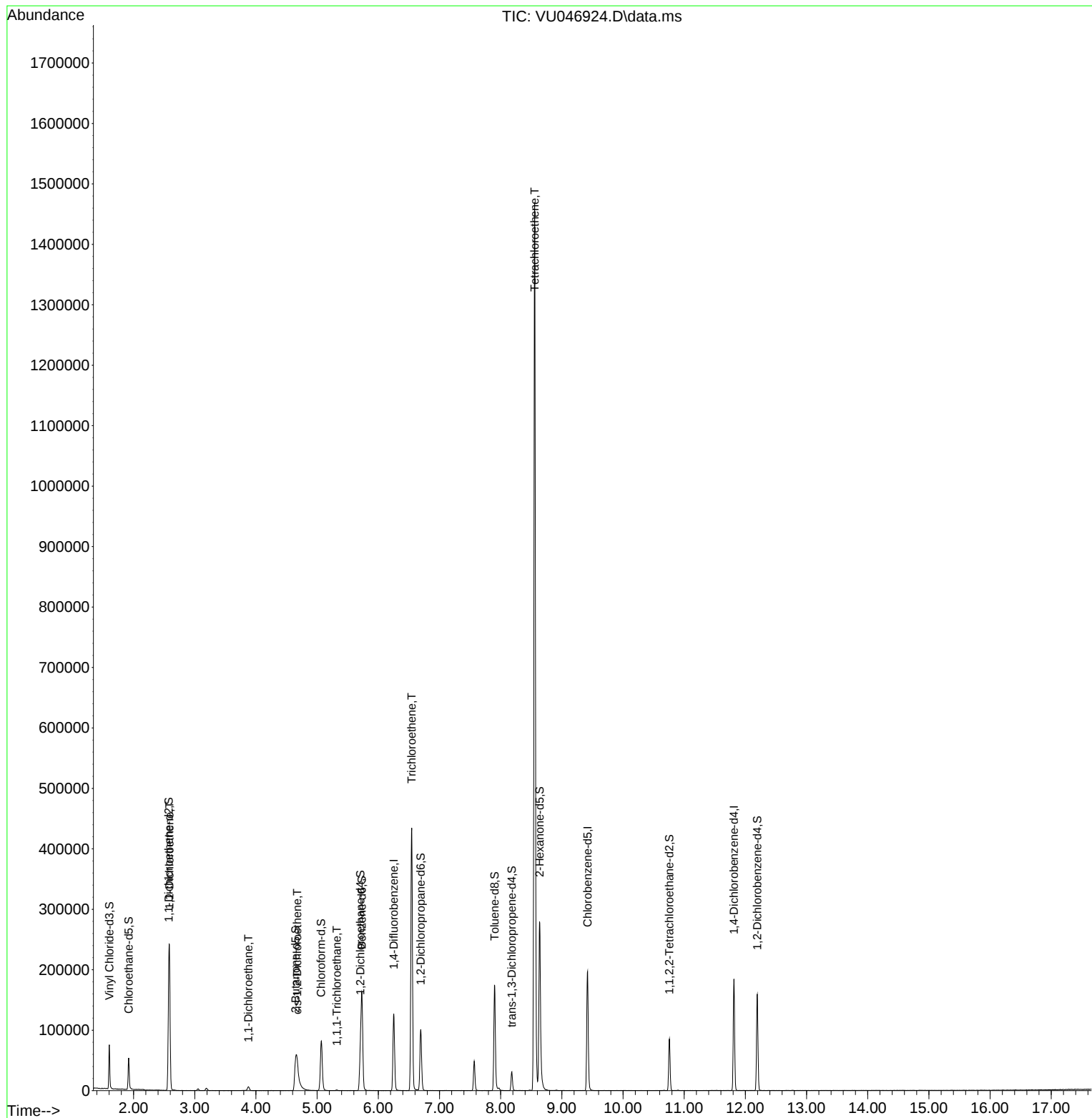
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 102069   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 116145   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 48373    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 53177    | 6.148    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 123.000% |
| 7) Chloroethane-d5            | 1.919  | 69    | 39469    | 5.792    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 115.800% |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 19916    | 5.789    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 115.800% |
| 20) 2-Butanone-d5             | 4.649  | 46    | 122311   | 47.736   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.480%  |
| 24) Chloroform-d              | 5.067  | 84    | 78263    | 5.155    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.000% |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 43067    | 5.209    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.200% |
| 32) Benzene-d6                | 5.732  | 84    | 156406   | 4.582    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 48378    | 4.720    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.400%  |
| 41) Toluene-d8                | 7.899  | 98    | 120774   | 3.865    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 77.400%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 18323    | 4.071    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 81.400%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 109715   | 41.167   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 82.340%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 42900    | 4.169    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 83.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 41241    | 4.546    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 91.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 64089    | 11.245   | ug/L # | 77       |
| 19) 1,1-Dichloroethane        | 3.877  | 63    | 7351     | 0.709    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 4.674  | 96    | 7360     | 1.130    | ug/L   | 93       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97    | 881      | 0.084    | ug/L # | 72       |
| 34) Trichloroethene           | 6.546  | 95    | 151656   | 21.361   | ug/L   | 99       |
| 47) Tetrachloroethene         | 8.555  | 164   | 327452   | 56.709   | ug/L   | 97       |
| -----                         |        |       |          |          |        |          |

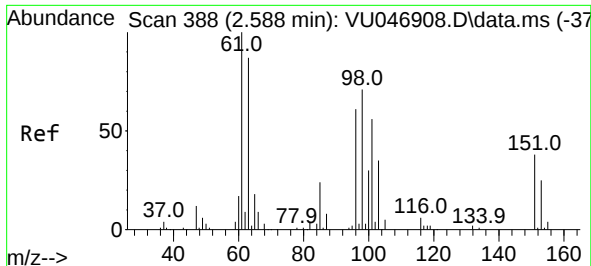
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 01 00:23:47 2022  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 11.245 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046924.D

Acq: 31 Jan 2022 17:52

Instrument :

MSVOA\_U

ClientSampleId :

COHN7

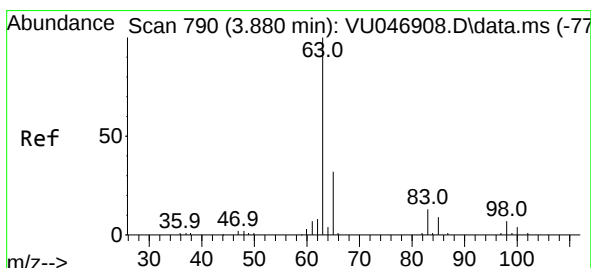
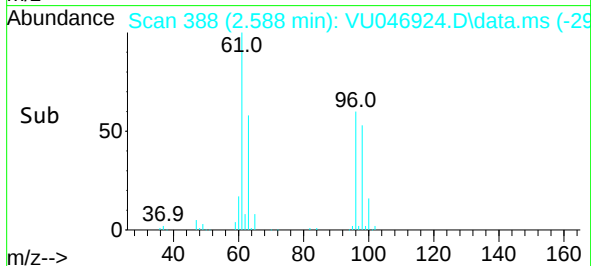
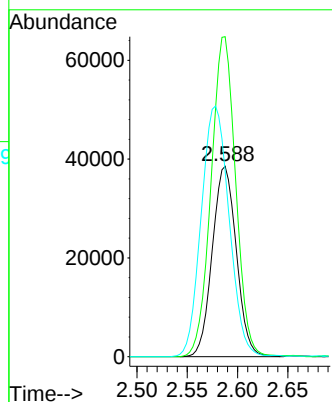
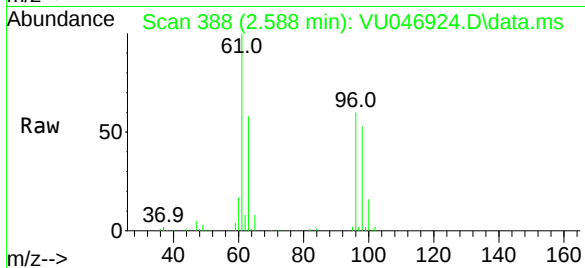
Tgt Ion: 96 Resp: 64089

Ion Ratio Lower Upper

96 100

61 168.1 124.7 231.5

63 97.4 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 0.709 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.003 min

Lab File: VU046924.D

Acq: 31 Jan 2022 17:52

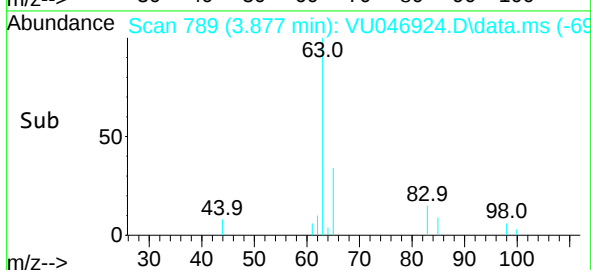
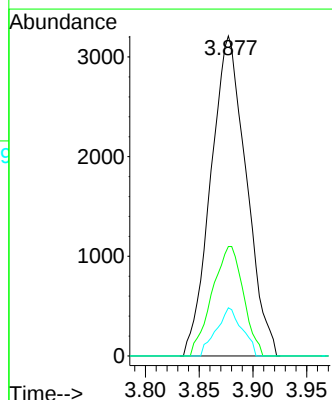
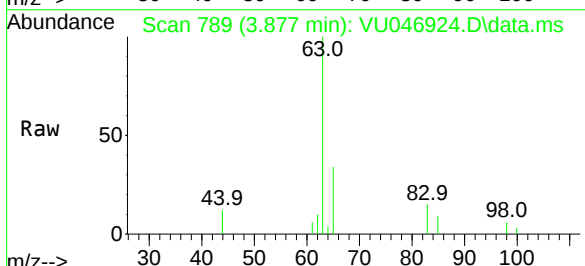
Tgt Ion: 63 Resp: 7351

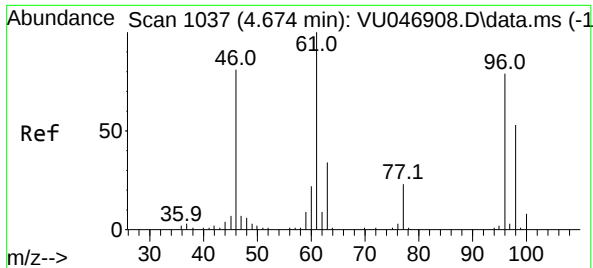
Ion Ratio Lower Upper

63 100

65 34.2 22.3 41.5

83 15.1 9.6 17.8

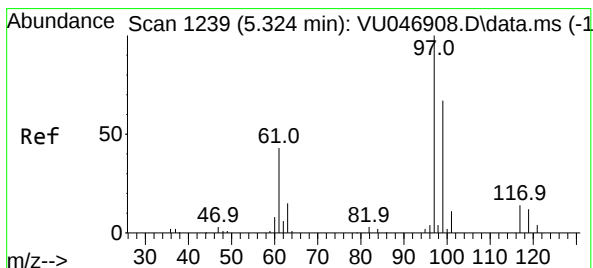
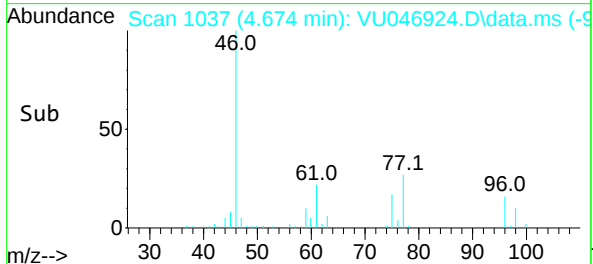
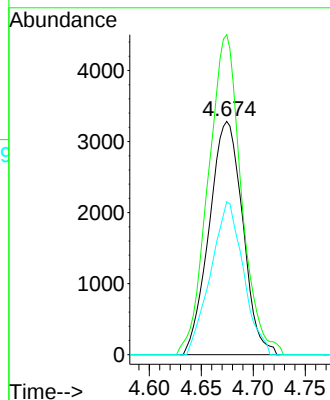
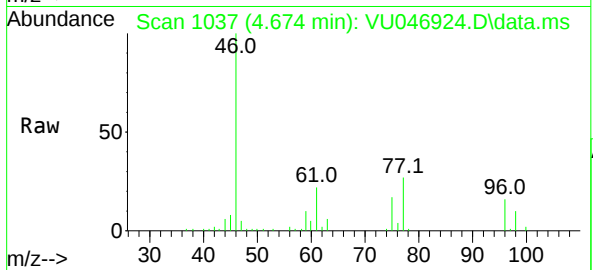




#22  
 cis-1,2-Dichloroethene  
 Concen: 1.130 ug/L  
 RT: 4.674 min Scan# 1037  
 Delta R.T. 0.000 min  
 Lab File: VU046924.D  
 Acq: 31 Jan 2022 17:52

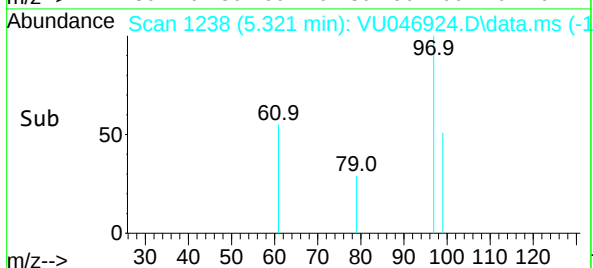
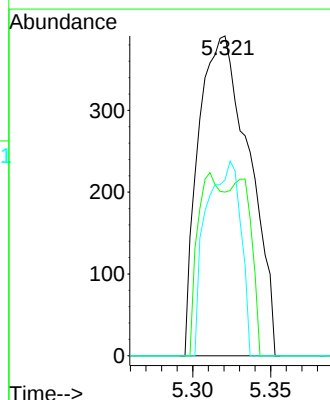
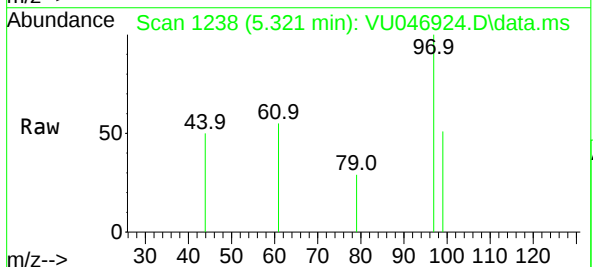
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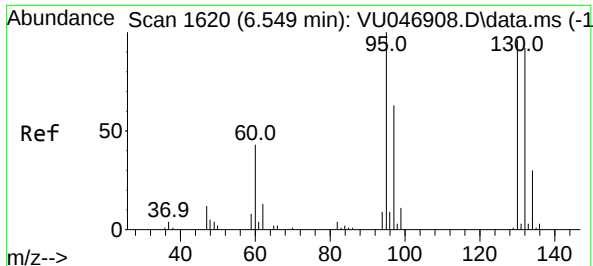
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 7360        |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 137.1 | 88.5 164.3  |
| 98          | 65.5  | 44.4 82.5   |



#29  
 1,1,1-Trichloroethane  
 Concen: 0.084 ug/L  
 RT: 5.321 min Scan# 1238  
 Delta R.T. -0.003 min  
 Lab File: VU046924.D  
 Acq: 31 Jan 2022 17:52

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 97 | Resp: | 881         |
| Ion         | Ratio | Lower Upper |
| 97          | 100   |             |
| 99          | 29.9  | 51.3 76.9#  |
| 61          | 41.3  | 36.1 54.1   |

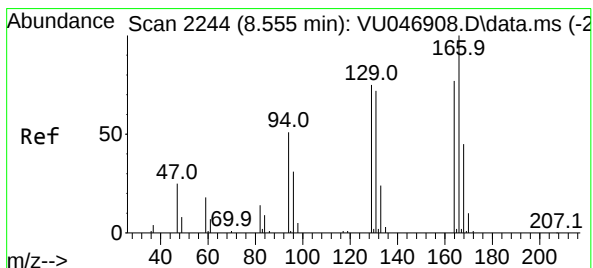
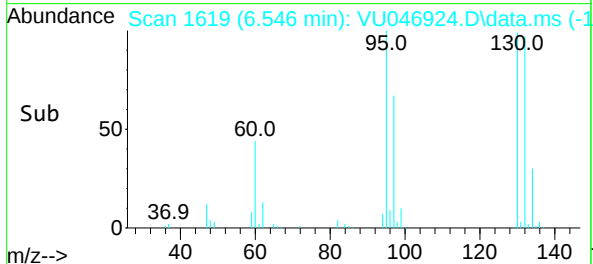
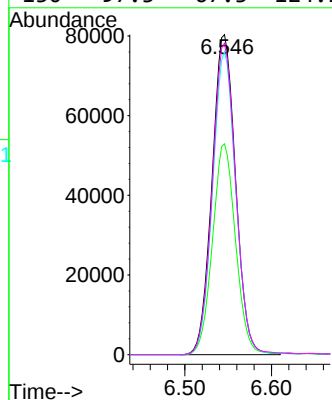
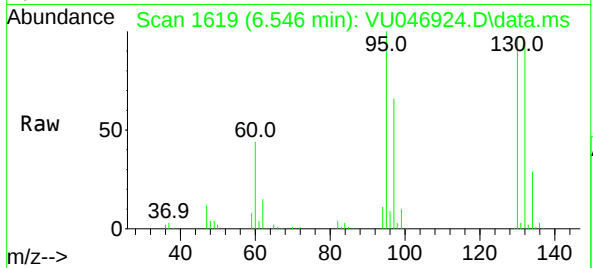




#34  
Trichloroethene  
Concen: 21.361 ug/L  
RT: 6.546 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU046924.D  
Acq: 31 Jan 2022 17:52

Instrument :  
MSVOA\_U  
ClientSampleId :  
COHN7

Tgt Ion: 95 Resp: 151656  
Ion Ratio Lower Upper  
95 100  
97 65.9 46.5 86.5  
132 94.7 65.1 120.9  
130 97.3 67.3 124.9



#47  
Tetrachloroethene  
Concen: 56.709 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046924.D  
Acq: 31 Jan 2022 17:52

Tgt Ion: 164 Resp: 327452  
Ion Ratio Lower Upper  
164 100  
129 100.1 71.8 133.4  
131 96.4 68.5 127.3  
166 127.8 94.1 174.8

