

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU013122\  
 Data File : VU046921.D  
 Acq On : 31 Jan 2022 16:39  
 Operator : SY/MD  
 Sample : N1328-15 40X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0HN4

Quant Time: Feb 01 00:27:29 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

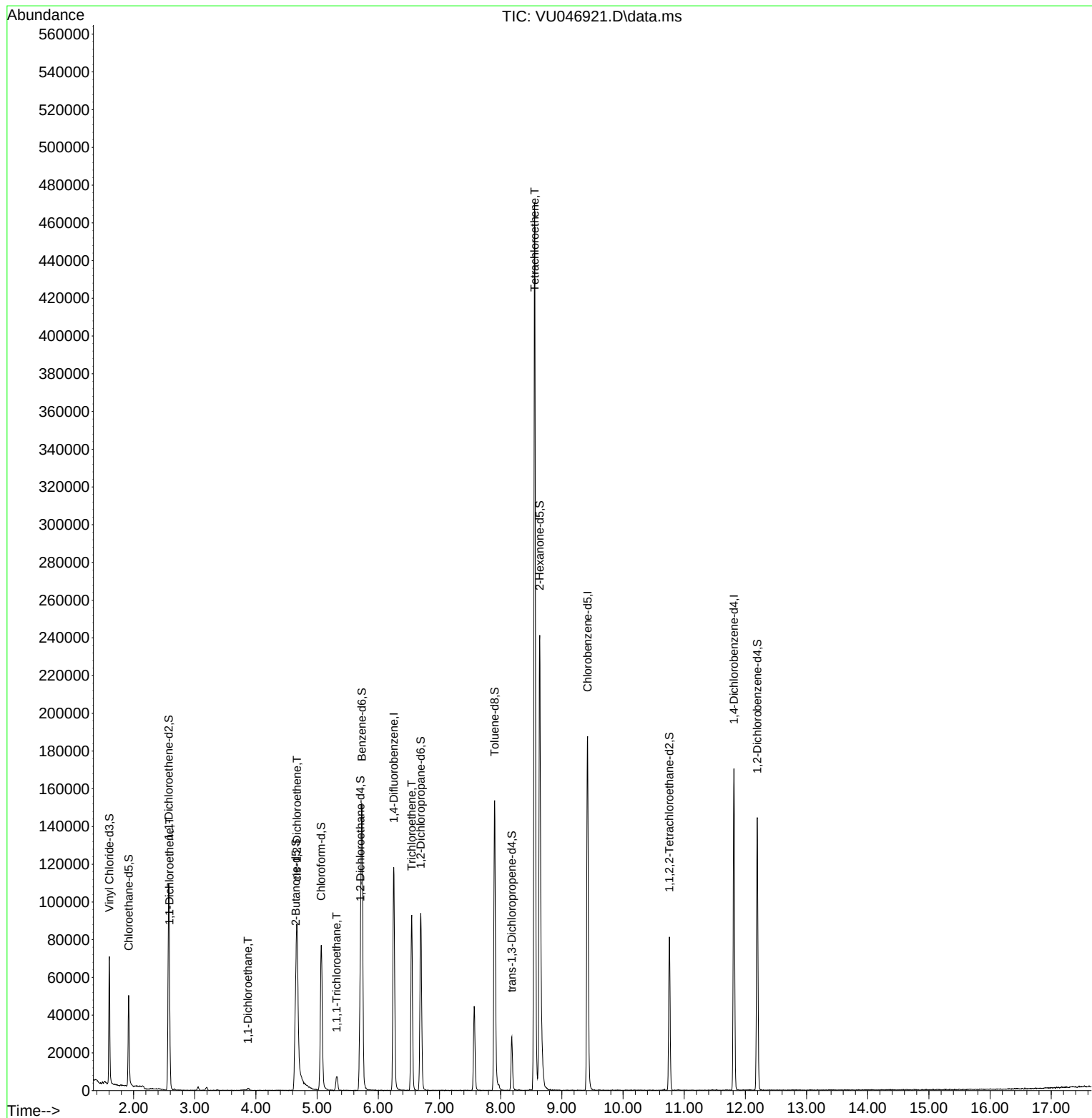
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253  | 114   | 98461    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420  | 117   | 111844   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 45104    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 50857    | 6.096    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 122.000% |
| 7) Chloroethane-d5            | 1.919  | 69    | 37461    | 5.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 114.000% |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 18496    | 5.573    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 111.400% |
| 20) 2-Butanone-d5             | 4.652  | 46    | 105148   | 42.541   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.080%  |
| 24) Chloroform-d              | 5.067  | 84    | 72983    | 4.983    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.707  | 65    | 40987    | 5.139    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 102.800% |
| 32) Benzene-d6                | 5.732  | 84    | 146405   | 4.454    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.694  | 67    | 46060    | 4.667    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.400%  |
| 41) Toluene-d8                | 7.903  | 98    | 112119   | 3.726    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 74.600%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 17084    | 3.942    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.800%  |
| 46) 2-Hexanone-d5             | 8.639  | 63    | 97579    | 38.021   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 76.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 41614    | 4.200    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 84.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 38992    | 4.610    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 92.200%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 7992     | 1.454    | ug/L # | 9        |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 1178     | 0.118    | ug/L # | 74       |
| 22) cis-1,2-Dichloroethene    | 4.671  | 96    | 28818    | 4.588    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 5.318  | 97    | 6330     | 0.628    | ug/L   | 98       |
| 34) Trichloroethene           | 6.546  | 95    | 33098    | 4.841    | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.555  | 164   | 105464   | 18.967   | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

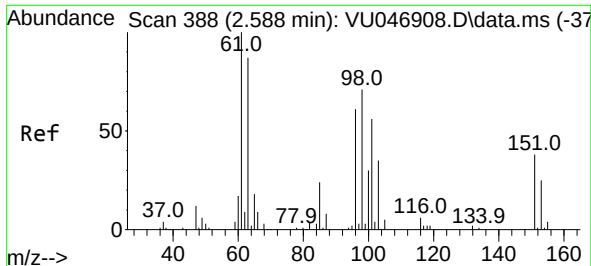
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 1.454 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046921.D

Acq: 31 Jan 2022 16:39

Instrument :

MSVOA\_U

ClientSampleId :

COHN4

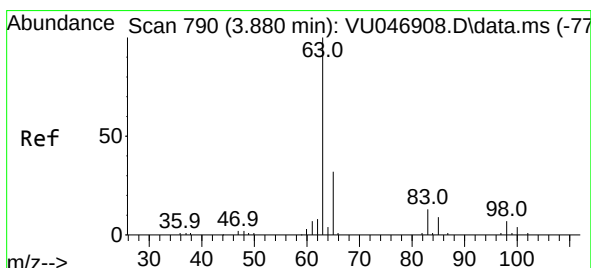
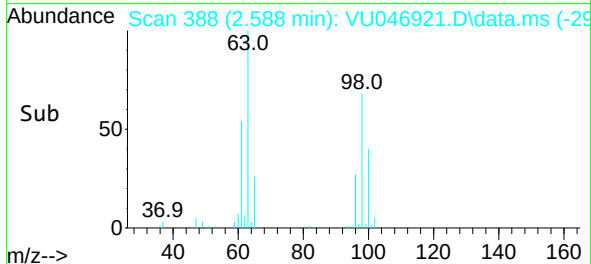
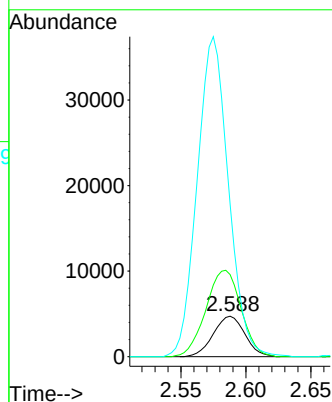
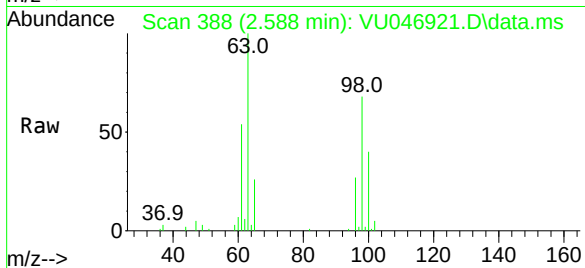
Tgt Ion: 96 Resp: 7992

Ion Ratio Lower Upper

96 100

61 202.6 124.7 231.5

63 376.4 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 0.118 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.013 min

Lab File: VU046921.D

Acq: 31 Jan 2022 16:39

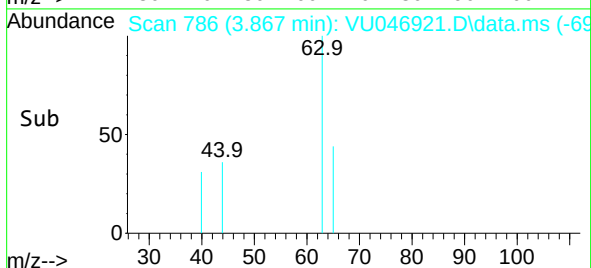
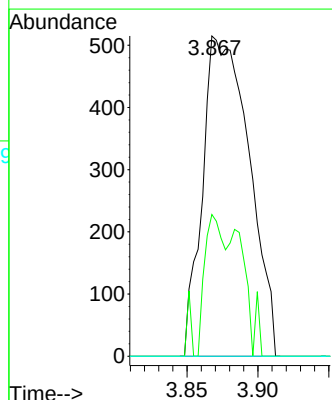
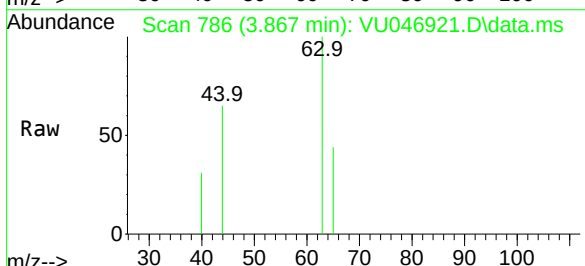
Tgt Ion: 63 Resp: 1178

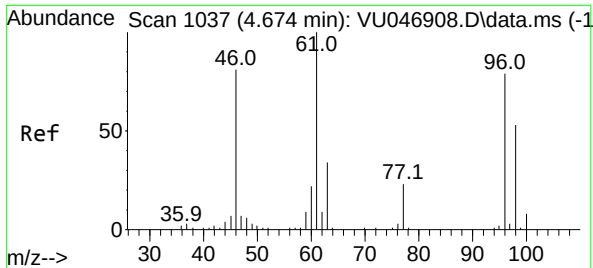
Ion Ratio Lower Upper

63 100

65 44.3 22.3 41.5#

83 0.0 9.6 17.8#

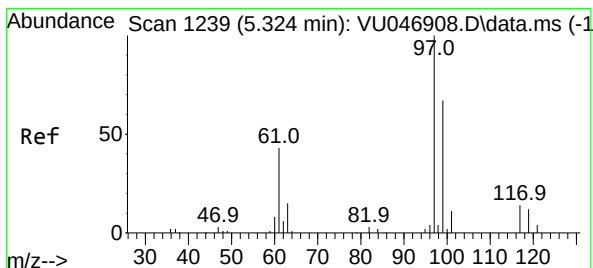
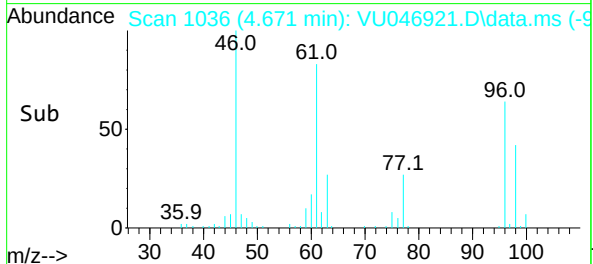
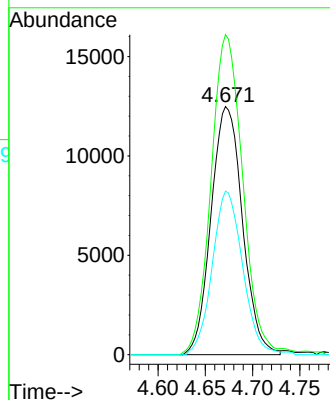
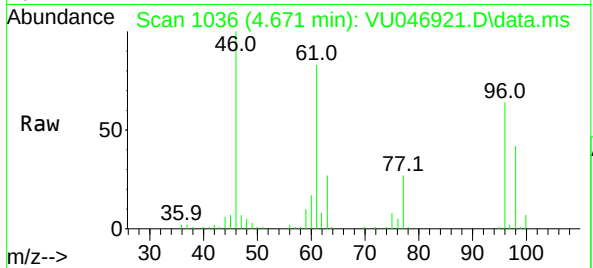




#22  
 cis-1,2-Dichloroethene  
 Concen: 4.588 ug/L  
 RT: 4.671 min Scan# 1036  
 Delta R.T. -0.003 min  
 Lab File: VU046921.D  
 Acq: 31 Jan 2022 16:39

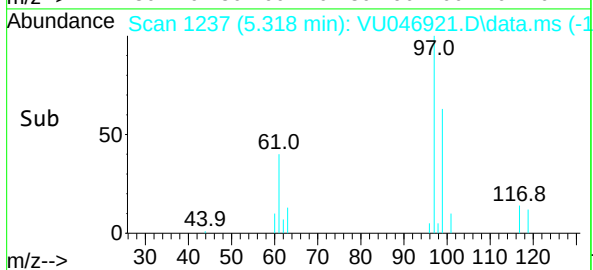
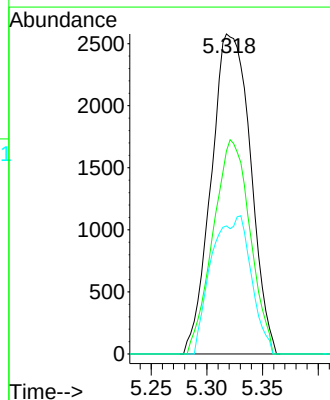
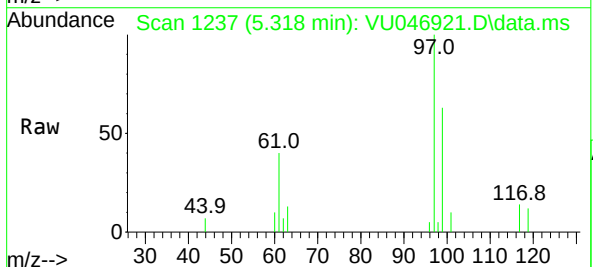
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COHN4

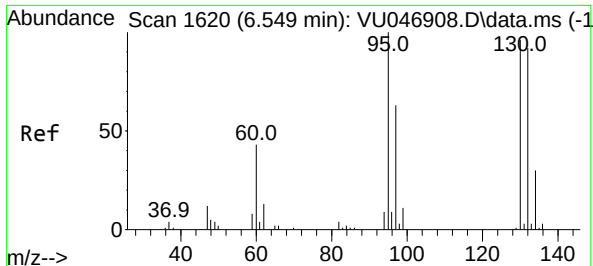
Tgt Ion: 96 Resp: 28818  
 Ion Ratio Lower Upper  
 96 100  
 61 128.9 88.5 164.3  
 98 65.9 44.4 82.5



#29  
 1,1,1-Trichloroethane  
 Concen: 0.628 ug/L  
 RT: 5.318 min Scan# 1237  
 Delta R.T. -0.006 min  
 Lab File: VU046921.D  
 Acq: 31 Jan 2022 16:39

Tgt Ion: 97 Resp: 6330  
 Ion Ratio Lower Upper  
 97 100  
 99 62.9 51.3 76.9  
 61 43.6 36.1 54.1



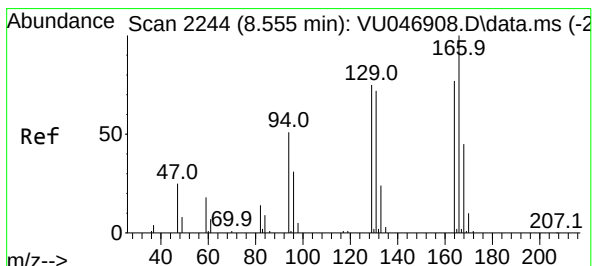
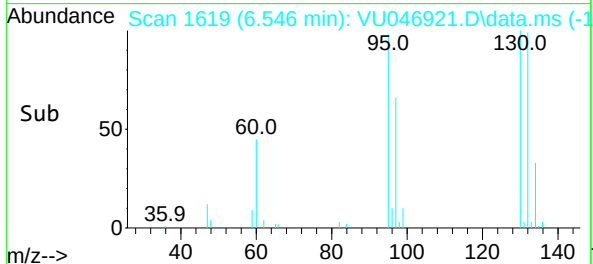
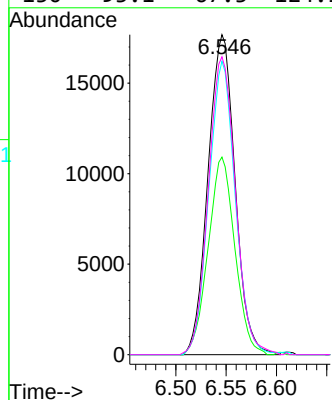
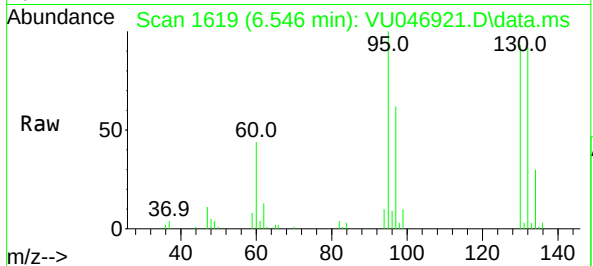


#34  
Trichloroethene  
Concen: 4.841 ug/L  
RT: 6.546 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU046921.D  
Acq: 31 Jan 2022 16:39

Instrument :  
MSVOA\_U  
ClientSampleId :  
COHN4

Tgt Ion: 95 Resp: 33098

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.8  | 46.5  | 86.5  |
| 132 | 91.7  | 65.1  | 120.9 |
| 130 | 93.1  | 67.3  | 124.9 |



#47  
Tetrachloroethene  
Concen: 18.967 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046921.D  
Acq: 31 Jan 2022 16:39

Tgt Ion: 164 Resp: 105464

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 102.2 | 71.8  | 133.4 |
| 131 | 97.0  | 68.5  | 127.3 |
| 166 | 129.5 | 94.1  | 174.8 |

