

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020122\  
 Data File : VU046962.D  
 Acq On : 01 Feb 2022 14:22  
 Operator : SY/MD  
 Sample : N1328-11 50X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COHN0

Quant Time: Feb 02 02:04:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR011822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Feb 02 02:02:08 2022  
 Response via : Initial Calibration

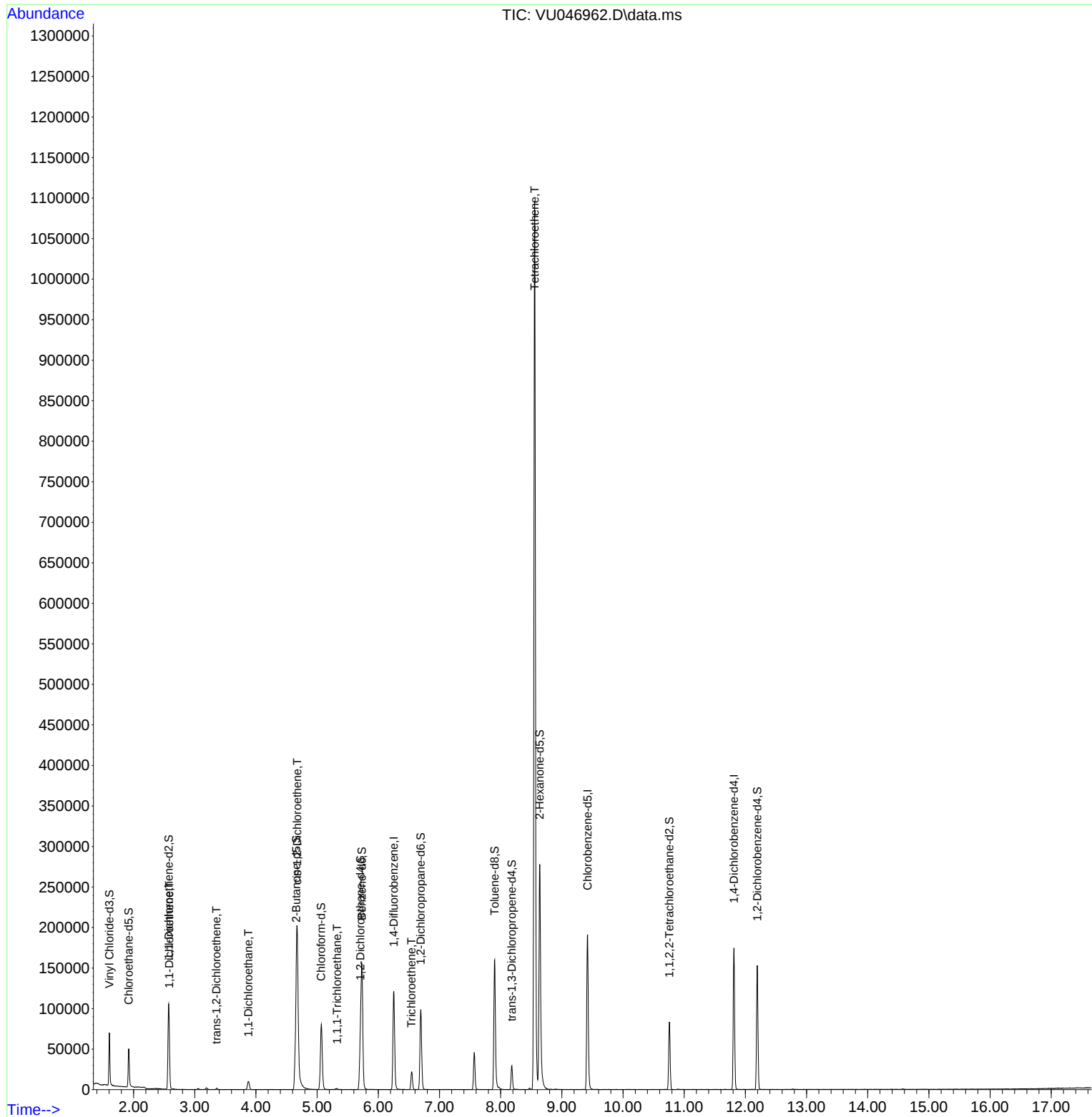
| Compound                      | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------|----------|
| -----                         |           |       |          |          |       |          |
| Internal Standards            |           |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.253     | 114   | 99808    | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420     | 117   | 112804   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152   | 47625    | 5.000    | ug/L  | 0.00     |
| System Monitoring Compounds   |           |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.604     | 65    | 48125    | 5.690    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | =     | 113.800% |
| 7) Chloroethane-d5            | 1.919     | 69    | 38034    | 5.708    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | =     | 114.200% |
| 11) 1,1-Dichloroethene-d2     | 2.575     | 65    | 19161    | 5.696    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | =     | 114.000% |
| 20) 2-Butanone-d5             | 4.658     | 46    | 126679   | 50.561   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | =     | 101.120% |
| 24) Chloroform-d              | 5.067     | 84    | 76387    | 5.145    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | =     | 102.800% |
| 26) 1,2-Dichloroethane-d4     | 5.706     | 65    | 42202    | 5.220    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | =     | 104.400% |
| 32) Benzene-d6                | 5.732     | 84    | 151436   | 4.568    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | =     | 91.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.694     | 67    | 48016    | 4.824    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | =     | 96.400%  |
| 41) Toluene-d8                | 7.903     | 98    | 116818   | 3.850    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | =     | 77.000%  |
| 43) trans-1,3-Dichloroprop... | 8.182     | 79    | 16801    | 3.843    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | =     | 76.800%  |
| 46) 2-Hexanone-d5             | 8.639     | 63    | 106156   | 41.011   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | =     | 82.020%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758    | 84    | 43224    | 4.325    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | =     | 86.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152   | 40572    | 4.543    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | =     | 90.800%  |
| Target Compounds              |           |       |          |          |       |          |
|                               |           |       |          |          |       | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.584     | 96    | 3760     | 0.675    | ug/L  | # 1      |
| 18) trans-1,2-Dichloroethene  | 3.356     | 96    | 799      | 0.132    | ug/L  | 78       |
| 19) 1,1-Dichloroethane        | 3.877     | 63    | 12172    | 1.201    | ug/L  | 95       |
| 22) cis-1,2-Dichloroethene    | 4.674     | 96    | 88277    | 13.864   | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 5.324     | 97    | 1259     | 0.124    | ug/L  | 93       |
| 34) Trichloroethene           | 6.542     | 95    | 8128     | 1.179    | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.555     | 164   | 248948   | 44.390   | ug/L  | 95       |
| -----                         |           |       |          |          |       |          |

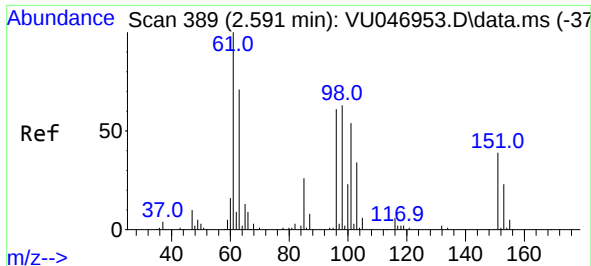
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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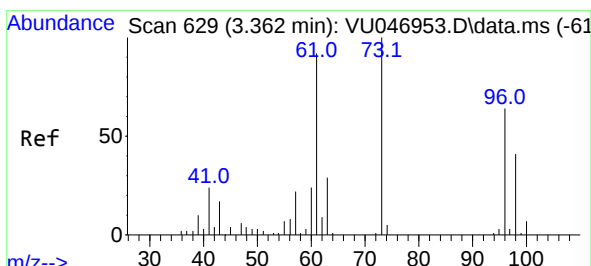
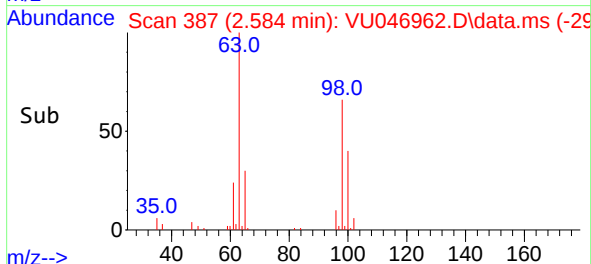
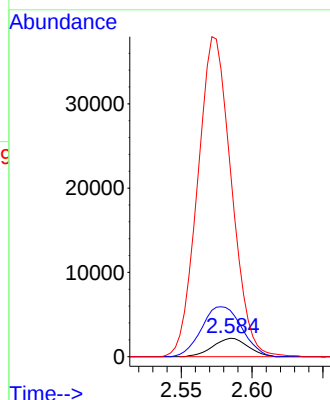
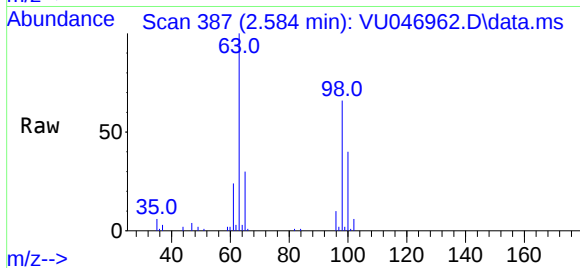




#12  
1,1-Dichloroethene  
Concen: 0.675 ug/L  
RT: 2.584 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VU046962.D  
Acq: 01 Feb 2022 14:22

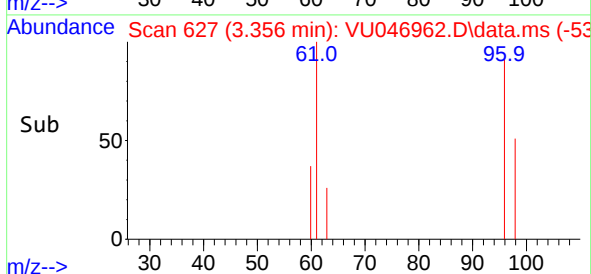
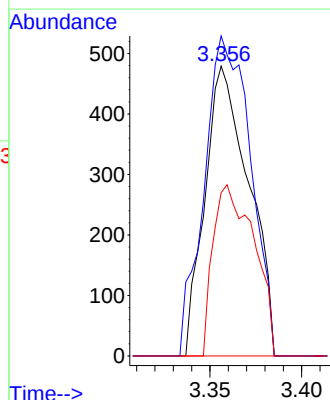
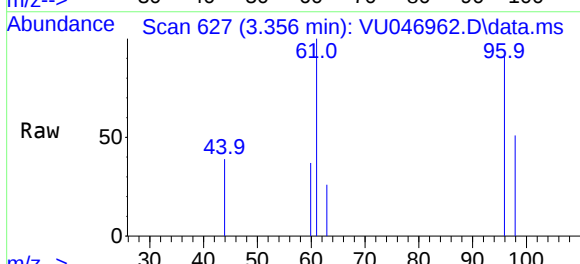
Instrument :  
MSVOA\_U  
ClientSampleId :  
COHN0

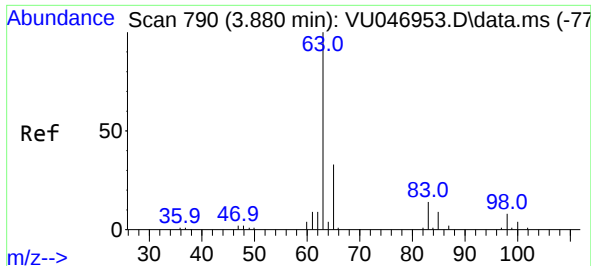
Tgt Ion: 96 Resp: 3760  
Ion Ratio Lower Upper  
96 100  
61 252.4 124.7 231.5#  
63 1036.2 105.2 195.4#



#18  
trans-1,2-Dichloroethene  
Concen: 0.132 ug/L  
RT: 3.356 min Scan# 627  
Delta R.T. -0.006 min  
Lab File: VU046962.D  
Acq: 01 Feb 2022 14:22

Tgt Ion: 96 Resp: 799  
Ion Ratio Lower Upper  
96 100  
61 110.4 100.8 187.2  
98 56.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 1.201 ug/L

RT: 3.877 min Scan# 790

Delta R.T. -0.003 min

Lab File: VU046962.D

Acq: 01 Feb 2022 14:22

Instrument :

MSVOA\_U

ClientSampleId :

COHN0

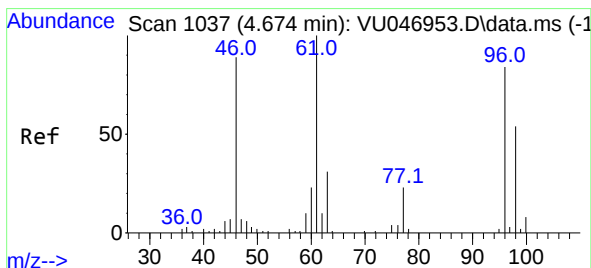
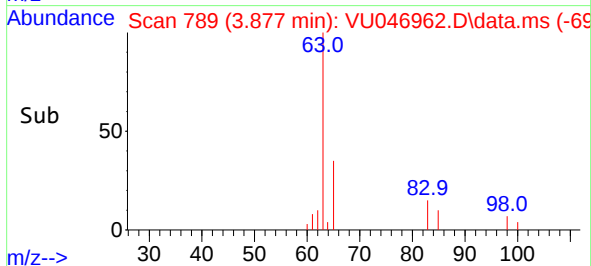
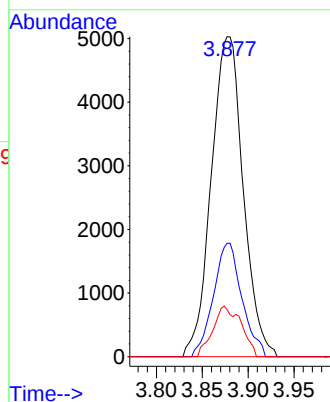
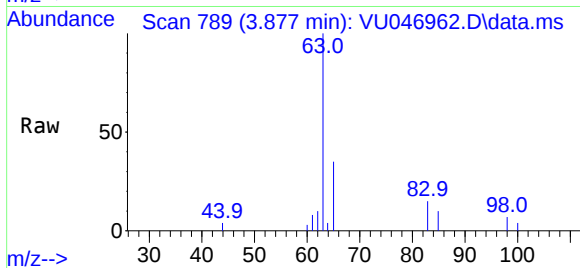
Tgt Ion: 63 Resp: 12172

Ion Ratio Lower Upper

63 100

65 35.4 22.3 41.5

83 14.7 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 13.864 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VU046962.D

Acq: 01 Feb 2022 14:22

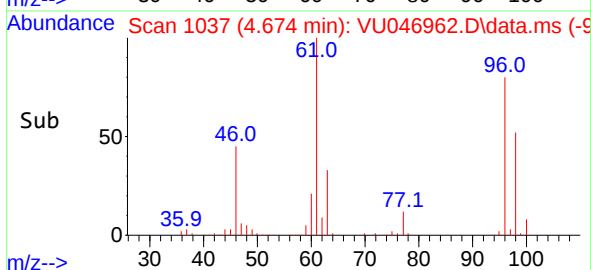
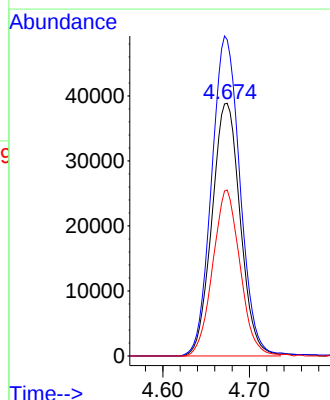
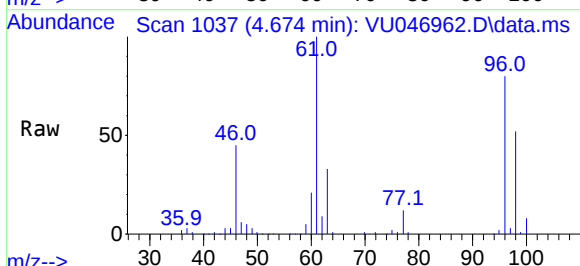
Tgt Ion: 96 Resp: 88277

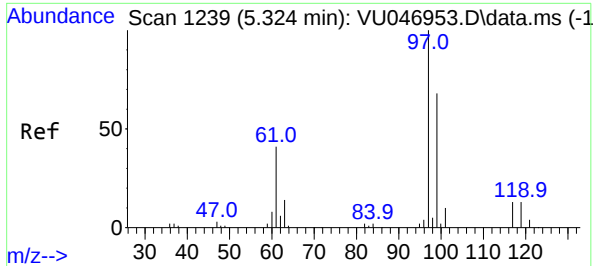
Ion Ratio Lower Upper

96 100

61 125.2 88.5 164.3

98 65.7 44.4 82.5



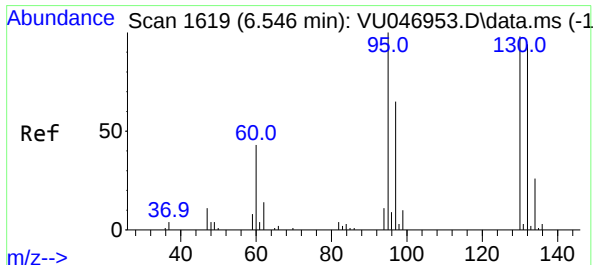
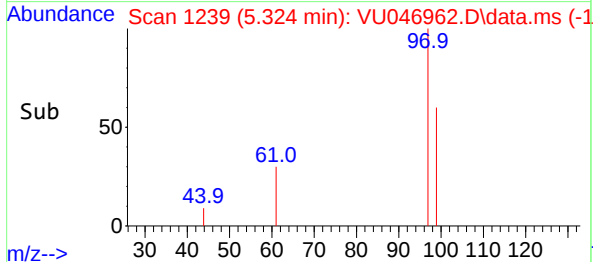
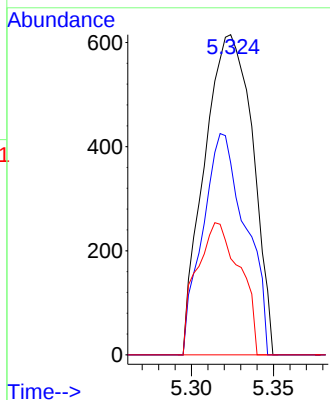
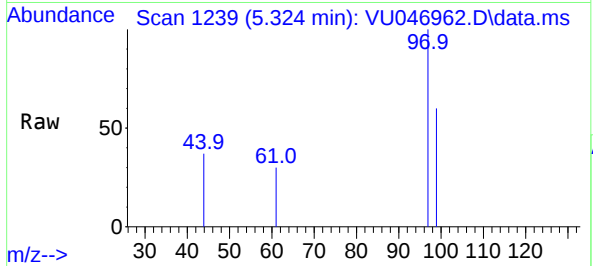


#29  
1,1,1-Trichloroethane  
Concen: 0.124 ug/L  
RT: 5.324 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU046962.D  
Acq: 01 Feb 2022 14:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
COHN0

Tgt Ion: 97 Resp: 1259

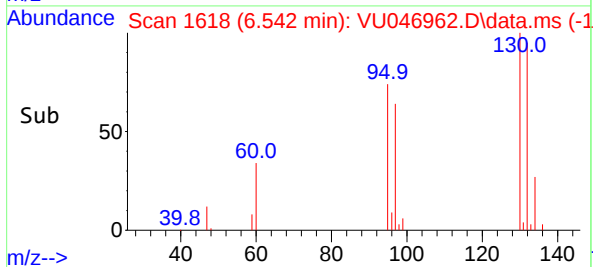
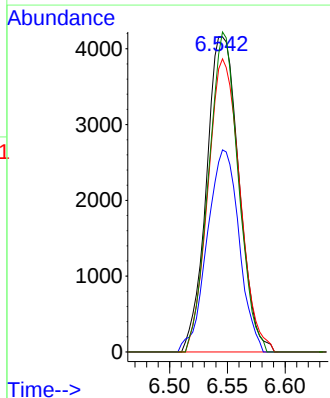
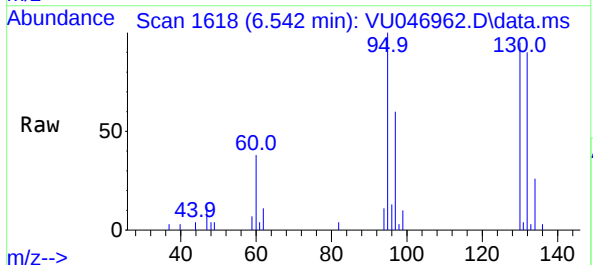
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.7  | 51.3  | 76.9  |
| 61  | 36.8  | 36.1  | 54.1  |

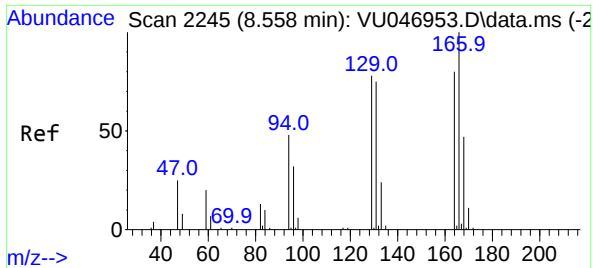


#34  
Trichloroethene  
Concen: 1.179 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.003 min  
Lab File: VU046962.D  
Acq: 01 Feb 2022 14:22

Tgt Ion: 95 Resp: 8128

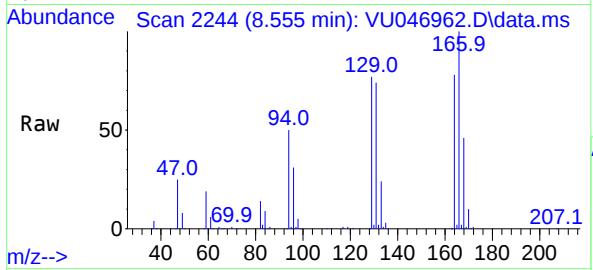
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.3  | 46.5  | 86.5  |
| 132 | 89.8  | 65.1  | 120.9 |
| 130 | 94.6  | 67.3  | 124.9 |





#47  
Tetrachloroethene  
Concen: 44.390 ug/L  
RT: 8.555 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU046962.D  
Acq: 01 Feb 2022 14:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
COHN0



Tgt Ion:164 Resp: 248948

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 98.0  | 71.8  | 133.4 |
| 131 | 95.1  | 68.5  | 127.3 |
| 166 | 127.7 | 94.1  | 174.8 |

