

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU032822\  
 Data File : VU047736.D  
 Acq On : 28 Mar 2022 18:30  
 Operator : SY/MD  
 Sample : N2081-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5X8

Quant Time: Mar 29 01:46:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM032422WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 29 01:43:13 2022  
 Response via : Initial Calibration

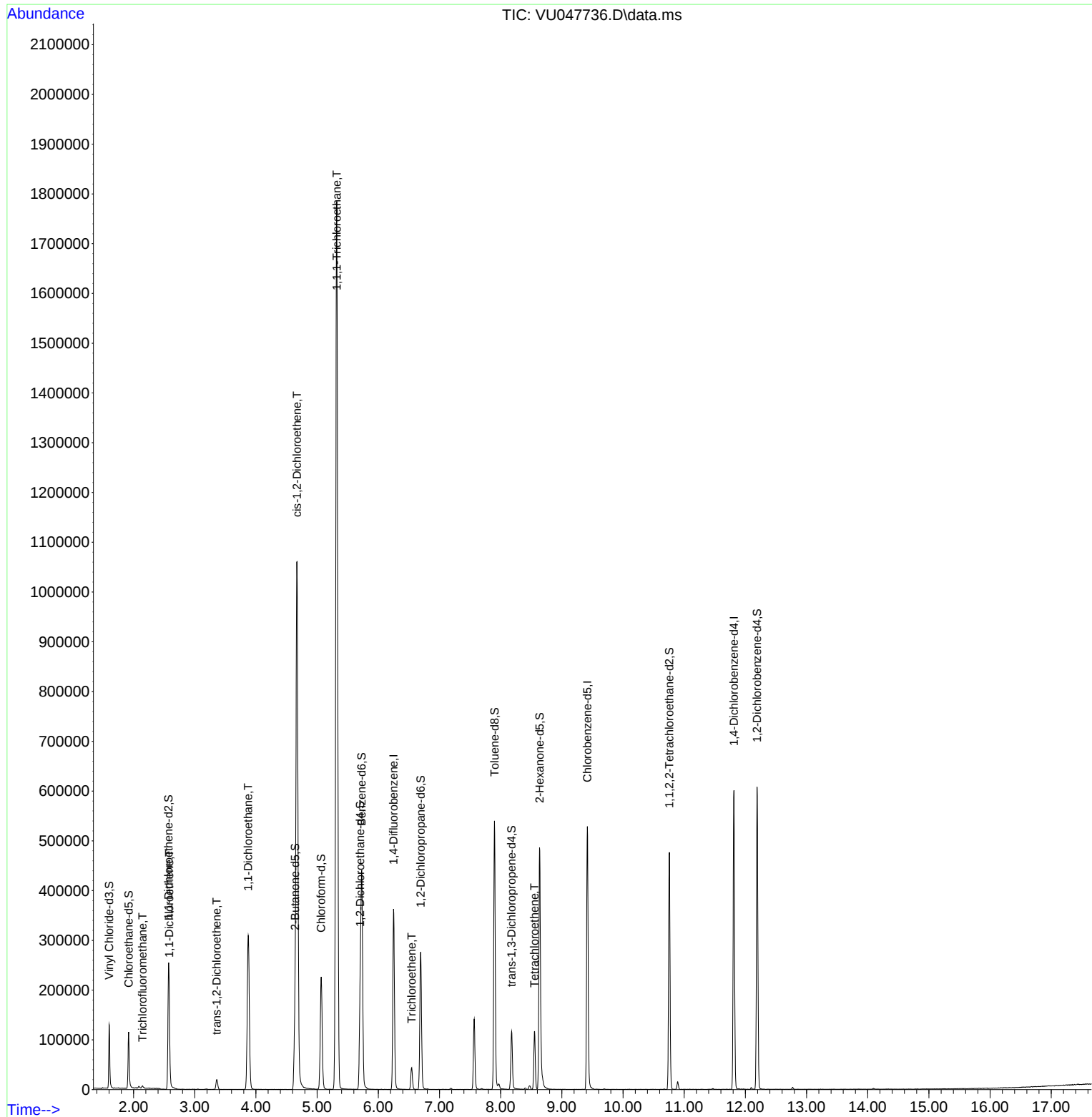
| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 308350   | 50.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 315336   | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 171391   | 50.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 94996    | 42.484   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 84.960%   |
| 7) Chloroethane-d5            | 1.919   | 69    | 87206    | 49.461   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 98.920%   |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 141248   | 34.526   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 69.060%   |
| 21) 2-Butanone-d5             | 4.639   | 46    | 251111   | 130.838  | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 130.840%# |
| 24) Chloroform-d              | 5.067   | 84    | 211120   | 51.601   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 138407   | 55.157   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 110.320%  |
| 32) Benzene-d6                | 5.729   | 84    | 414585   | 52.249   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 104.500%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 133273   | 54.691   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 109.380%  |
| 41) Toluene-d8                | 7.899   | 98    | 371055   | 47.997   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.000%   |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 62730    | 50.812   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 101.620%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 178342   | 125.019  | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 125.020%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 232655   | 55.632   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 111.260%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 170746   | 55.997   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 112.000%  |
| Target Compounds              |         |       |          |          |        |           |
|                               |         |       |          |          | Qvalue |           |
| 9) Trichlorofluoromethane     | 2.144   | 101   | 2635     | 0.670    | ug/L   | 94        |
| 12) 1,1-Dichloroethene        | 2.584   | 96    | 20165    | 9.534    | ug/L   | # 1       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 9096     | 3.987    | ug/L   | 92        |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 357289   | 90.807   | ug/L   | 100       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 559347   | 223.639  | ug/L   | 97        |
| 30) 1,1,1-Trichloroethane     | 5.321   | 97    | 1293198  | 361.675  | ug/L   | 99        |
| 34) Trichloroethene           | 6.546   | 95    | 14486    | 6.054    | ug/L   | 92        |
| 46) Tetrachloroethene         | 8.552   | 164   | 27277    | 12.685   | ug/L   | 98        |
| -----                         |         |       |          |          |        |           |

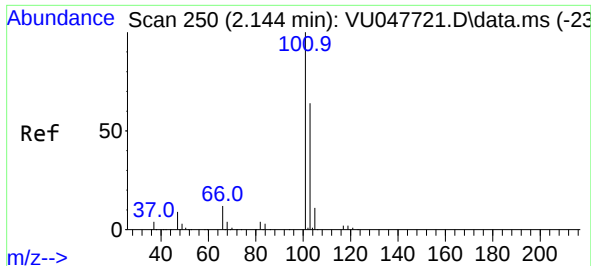
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 29 01:43:13 2022  
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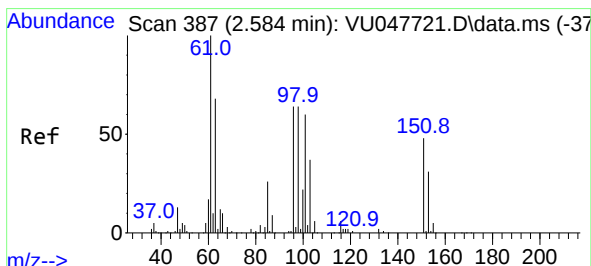
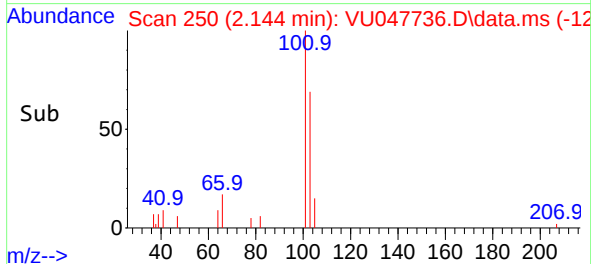
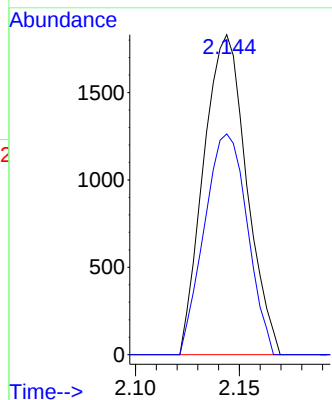
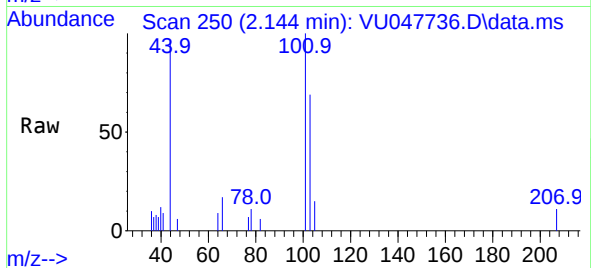




#9  
 Trichlorofluoromethane  
 Concen: 0.670 ug/L  
 RT: 2.144 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VU047736.D  
 Acq: 28 Mar 2022 18:30

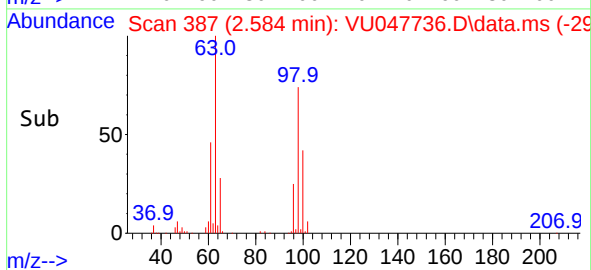
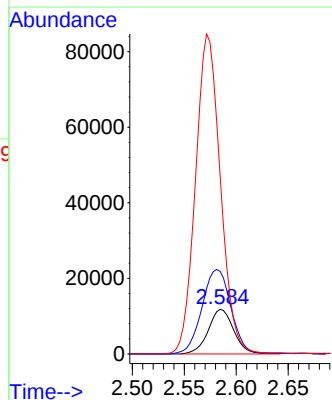
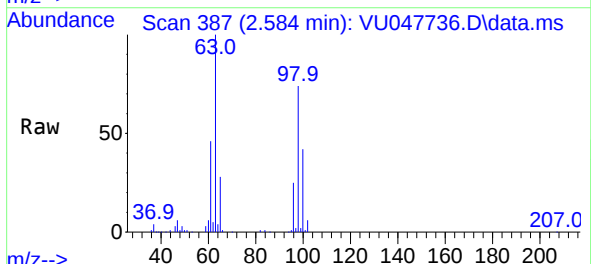
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW5X8

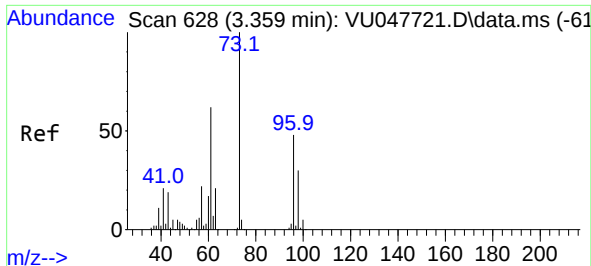
Tgt Ion:101 Resp: 2635  
 Ion Ratio Lower Upper  
 101 100  
 103 68.9 51.4 77.2



#12  
 1,1-Dichloroethene  
 Concen: 9.534 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. -0.000 min  
 Lab File: VU047736.D  
 Acq: 28 Mar 2022 18:30

Tgt Ion: 96 Resp: 20165  
 Ion Ratio Lower Upper  
 96 100  
 61 185.2 113.1 210.1  
 63 401.2 94.8 176.0#

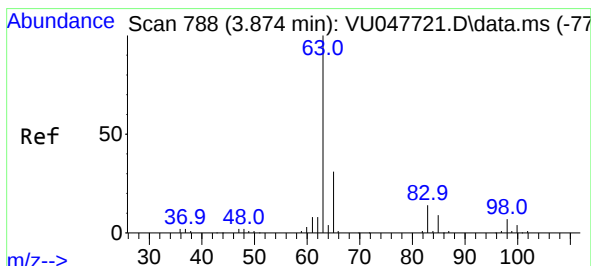
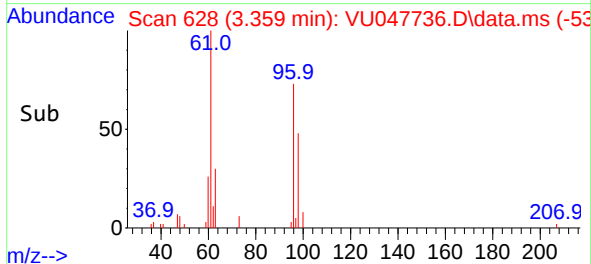
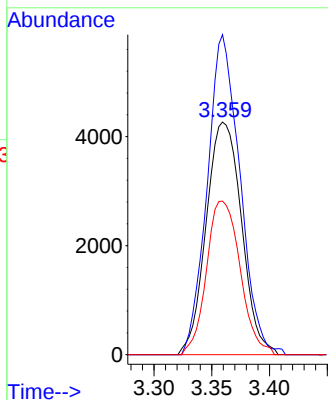
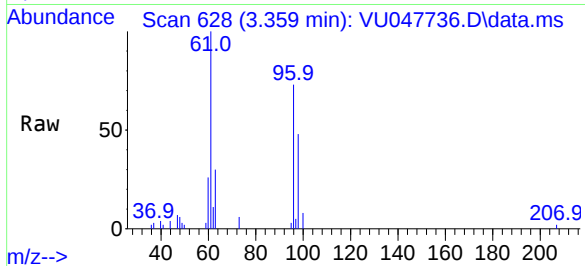




#17  
trans-1,2-Dichloroethene  
Concen: 3.987 ug/L  
RT: 3.359 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU047736.D  
Acq: 28 Mar 2022 18:30

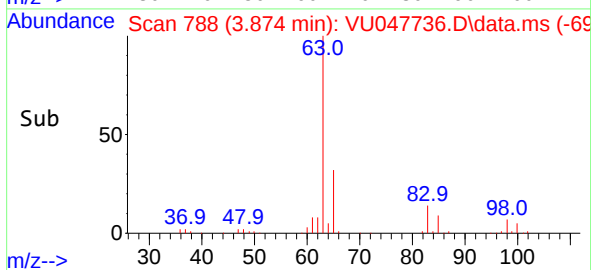
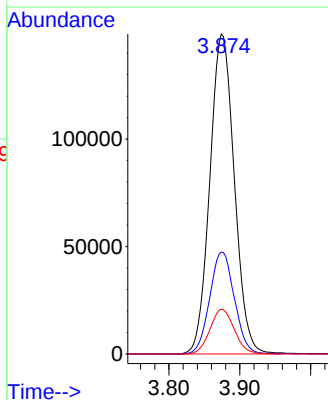
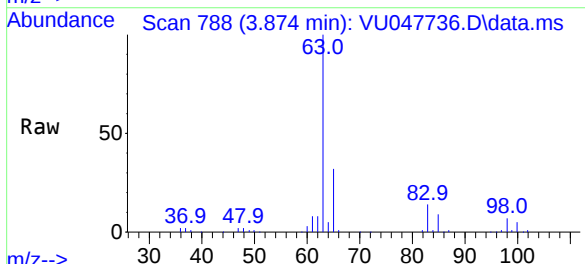
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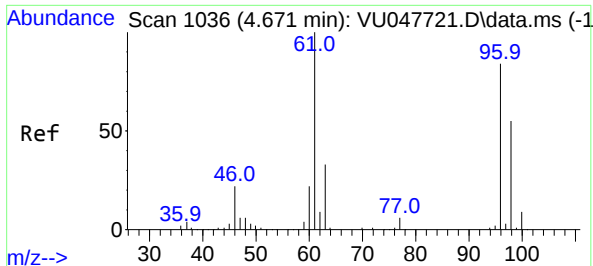
Tgt Ion: 96 Resp: 9096  
Ion Ratio Lower Upper  
96 100  
61 137.6 88.4 164.2  
98 66.0 43.3 80.5



#19  
1,1-Dichloroethane  
Concen: 90.807 ug/L  
RT: 3.874 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: VU047736.D  
Acq: 28 Mar 2022 18:30

Tgt Ion: 63 Resp: 357289  
Ion Ratio Lower Upper  
63 100  
65 31.8 22.0 41.0  
83 14.0 9.7 18.1

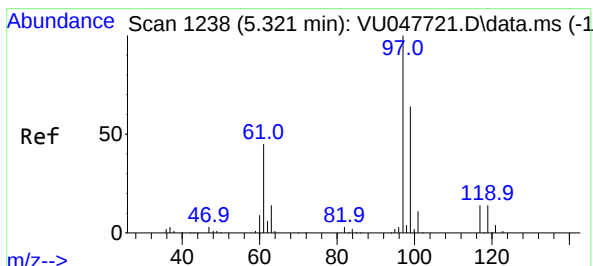
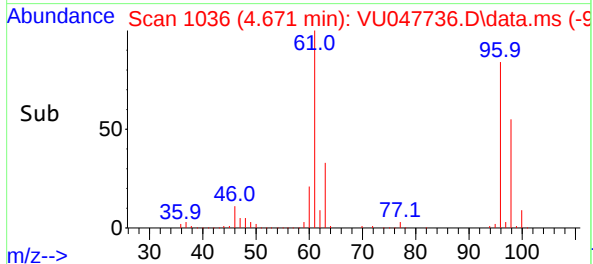
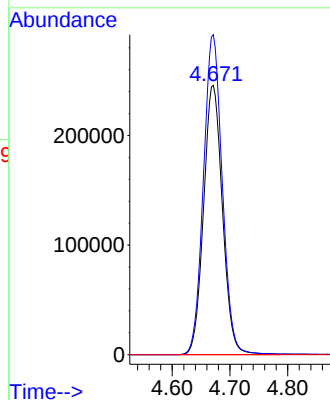
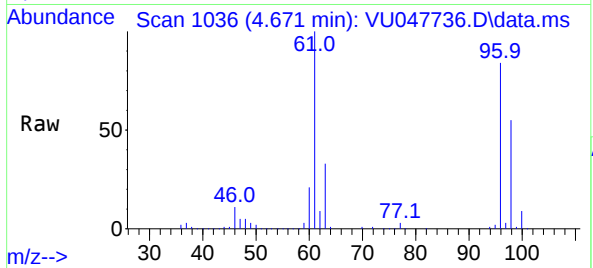




#20  
cis-1,2-Dichloroethene  
Concen: 223.639 ug/L  
RT: 4.671 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VU047736.D  
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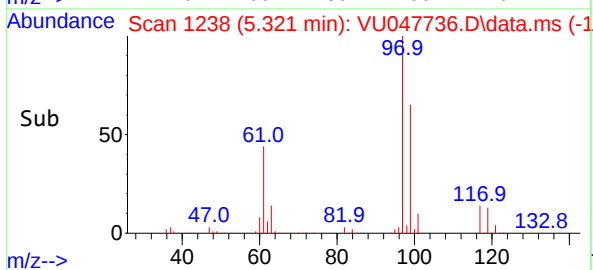
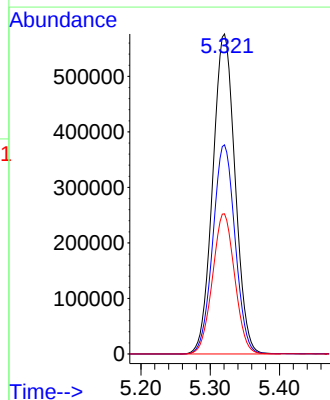
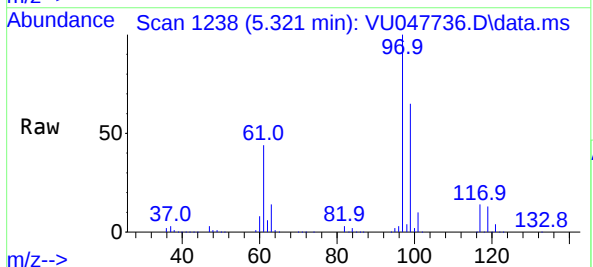
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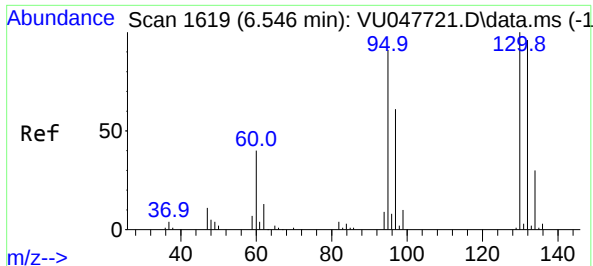
Tgt Ion: 96 Resp: 559347  
Ion Ratio Lower Upper  
96 100  
61 118.9 80.7 149.9  
68 0.0 0.0 0.0



#30  
1,1,1-Trichloroethane  
Concen: 361.675 ug/L  
RT: 5.321 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VU047736.D  
Acq: 28 Mar 2022 18:30

Tgt Ion: 97 Resp: 1293198  
Ion Ratio Lower Upper  
97 100  
99 65.1 51.6 77.4  
61 43.6 34.2 51.4

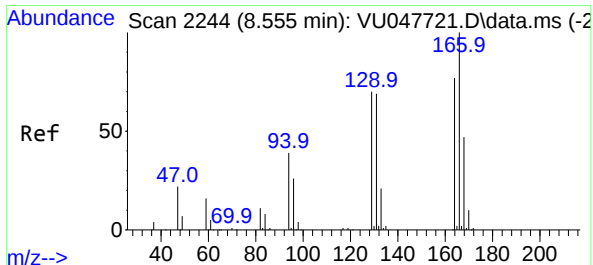
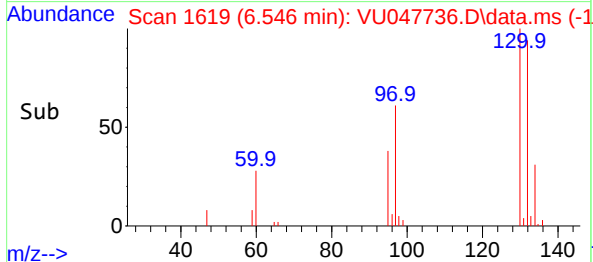
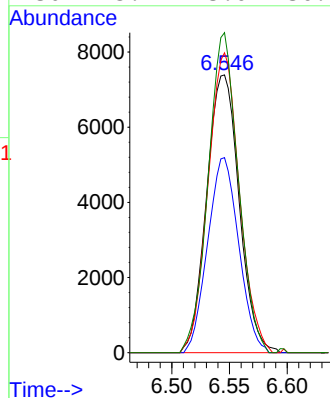
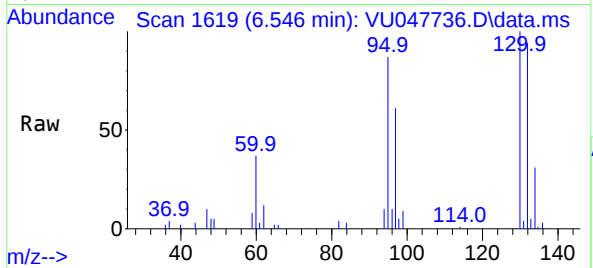




#34  
Trichloroethene  
Concen: 6.054 ug/L  
RT: 6.546 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VU047736.D  
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Tgt Ion: 95 Resp: 14486  
Ion Ratio Lower Upper  
95 100  
97 70.2 44.7 82.9  
132 107.9 70.4 130.8  
130 115.2 73.6 136.8



#46  
Tetrachloroethene  
Concen: 12.685 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU047736.D  
Acq: 28 Mar 2022 18:30

Tgt Ion:164 Resp: 27277  
Ion Ratio Lower Upper  
164 100  
129 91.5 62.4 116.0  
131 86.4 60.7 112.7  
166 129.7 89.0 165.4

