

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU122021\  
 Data File : VU046513.D  
 Acq On : 20 Dec 2021 16:30  
 Operator : SY/MD  
 Sample : M5121-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 20 16:51:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 20 00:25:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 128723   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 128655   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 65344    | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 50148    | 47.294   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 94.580%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 37994    | 46.668   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 93.340%  |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 77708    | 40.823   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.640%  |
| 21) 2-Butanone-d5             | 4.639   | 46    | 74417    | 88.284   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.280%  |
| 24) Chloroform-d              | 5.067   | 84    | 87497    | 49.413   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.820%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 58745    | 49.434   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.860%  |
| 32) Benzene-d6                | 5.732   | 84    | 173254   | 46.984   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.960%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 53310    | 46.648   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.300%  |
| 41) Toluene-d8                | 7.899   | 98    | 152748   | 45.495   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 91.000%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 26648    | 48.304   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 96.600%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 54892    | 101.305  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 101.300% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 77894    | 44.944   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 89.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 59046    | 46.921   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 93.840%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388   | 85    | 910      | 0.650    | ug/L   | 94       |
| 5) Vinyl chloride             | 1.610   | 62    | 2117     | 1.676    | ug/L # | 56       |
| 9) Trichlorofluoromethane     | 2.144   | 101   | 1047     | 0.635    | ug/L   | 92       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584   | 101   | 1138     | 1.215    | ug/L # | 54       |
| 12) 1,1-Dichloroethene        | 2.588   | 96    | 22832    | 25.653   | ug/L # | 81       |
| 13) Acetone                   | 2.668   | 43    | 9605     | 9.117    | ug/L   | 66       |
| 14) Carbon disulfide          | 2.800   | 76    | 2706     | 0.980    | ug/L # | 94       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 4169     | 4.426    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 1159     | 0.677    | ug/L # | 73       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 349088   | 341.566  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.977   | 128   | 186      | 0.360    | ug/L # | 52       |
| 27) 1,2-Dichloroethane        | 5.800   | 62    | 971      | 0.688    | ug/L # | 73       |
| 29) Cyclohexane               | 5.395   | 56    | 2468     | 1.647    | ug/L   | 91       |
| 30) 1,1,1-Trichloroethane     | 5.321   | 97    | 807      | 0.511    | ug/L   | 96       |
| 31) Carbon tetrachloride      | 5.530   | 117   | 674      | 0.503    | ug/L # | 49       |
| 33) Benzene                   | 5.780   | 78    | 3415     | 0.877    | ug/L   | 100      |
| 34) Trichloroethene           | 6.549   | 95    | 3628641  | 3537.317 | ug/L   | 96       |
| 38) Bromodichloromethane      | 7.108   | 83    | 696      | 0.513    | ug/L # | 88       |
| 42) Toluene                   | 7.973   | 91    | 4989     | 1.194    | ug/L   | 87       |

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 Sample : M5121-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

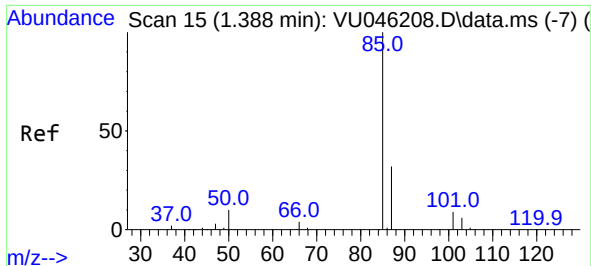
Quant Time: Dec 20 16:51:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 20 00:25:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 44) trans-1,3-Dichloropropene | 8.185  | 75   | 1278     | 0.839 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 1221     | 1.193 | ug/L # | 81       |
| 46) Tetrachloroethene         | 8.555  | 164  | 3652     | 4.844 | ug/L   | 93       |
| 51) Chlorobenzene             | 9.449  | 112  | 2181     | 0.807 | ug/L   | 88       |
| 52) Ethylbenzene              | 9.571  | 91   | 2813     | 0.626 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 1584     | 0.903 | ug/L # | 90       |
| 59) Bromoform                 | 10.295 | 173  | 559      | 0.729 | ug/L # | 66       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 1911     | 0.946 | ug/L   | 82       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 2001     | 0.959 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 1718     | 0.845 | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 1581     | 1.074 | ug/L   | 91       |
| -----                         |        |      |          |       |        |          |

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

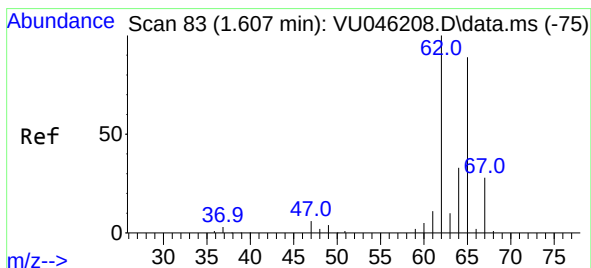
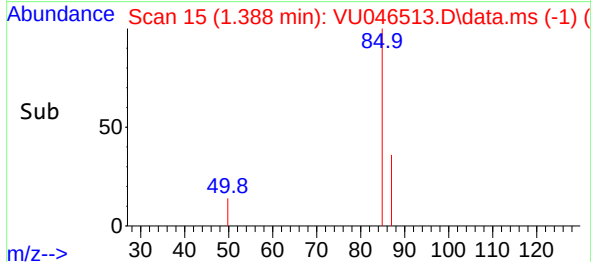
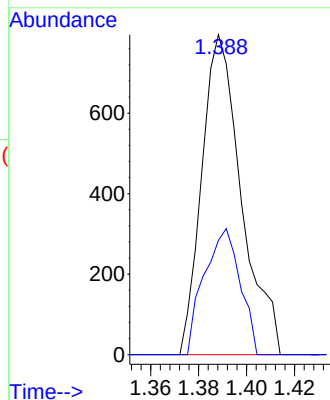
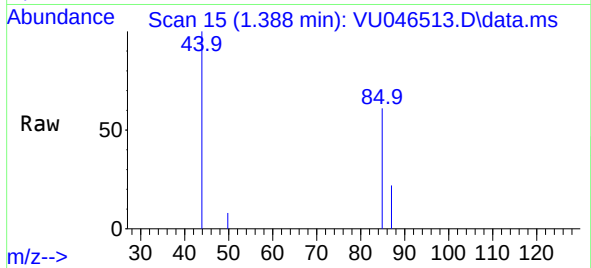
Chromatogram plot showing Abundance vs Time (min). The y-axis ranges from 0 to 1.2e+07. The x-axis ranges from 2.00 to 17.00. Numerous peaks are labeled with chemical names and retention times. The most prominent peak is Trichloroethene-T at approximately 6.5 minutes.

| Retention Time (min) | Chemical Name          |
|----------------------|------------------------|
| 1.4                  | 1,4-Dichlorobenzene-T  |
| 1.5                  | 1,5-Dichlorobenzene-T  |
| 1.6                  | 1,6-Dichlorobenzene-T  |
| 1.7                  | 1,7-Dichlorobenzene-T  |
| 1.8                  | 1,8-Dichlorobenzene-T  |
| 1.9                  | 1,9-Dichlorobenzene-T  |
| 2.0                  | 2,0-Dichlorobenzene-T  |
| 2.1                  | 2,1-Dichlorobenzene-T  |
| 2.2                  | 2,2-Dichlorobenzene-T  |
| 2.3                  | 2,3-Dichlorobenzene-T  |
| 2.4                  | 2,4-Dichlorobenzene-T  |
| 2.5                  | 2,5-Dichlorobenzene-T  |
| 2.6                  | 2,6-Dichlorobenzene-T  |
| 2.7                  | 2,7-Dichlorobenzene-T  |
| 2.8                  | 2,8-Dichlorobenzene-T  |
| 2.9                  | 2,9-Dichlorobenzene-T  |
| 3.0                  | 3,0-Dichlorobenzene-T  |
| 3.1                  | 3,1-Dichlorobenzene-T  |
| 3.2                  | 3,2-Dichlorobenzene-T  |
| 3.3                  | 3,3-Dichlorobenzene-T  |
| 3.4                  | 3,4-Dichlorobenzene-T  |
| 3.5                  | 3,5-Dichlorobenzene-T  |
| 3.6                  | 3,6-Dichlorobenzene-T  |
| 3.7                  | 3,7-Dichlorobenzene-T  |
| 3.8                  | 3,8-Dichlorobenzene-T  |
| 3.9                  | 3,9-Dichlorobenzene-T  |
| 4.0                  | 4,0-Dichlorobenzene-T  |
| 4.1                  | 4,1-Dichlorobenzene-T  |
| 4.2                  | 4,2-Dichlorobenzene-T  |
| 4.3                  | 4,3-Dichlorobenzene-T  |
| 4.4                  | 4,4-Dichlorobenzene-T  |
| 4.5                  | 4,5-Dichlorobenzene-T  |
| 4.6                  | 4,6-Dichlorobenzene-T  |
| 4.7                  | 4,7-Dichlorobenzene-T  |
| 4.8                  | 4,8-Dichlorobenzene-T  |
| 4.9                  | 4,9-Dichlorobenzene-T  |
| 5.0                  | 5,0-Dichlorobenzene-T  |
| 5.1                  | 5,1-Dichlorobenzene-T  |
| 5.2                  | 5,2-Dichlorobenzene-T  |
| 5.3                  | 5,3-Dichlorobenzene-T  |
| 5.4                  | 5,4-Dichlorobenzene-T  |
| 5.5                  | 5,5-Dichlorobenzene-T  |
| 5.6                  | 5,6-Dichlorobenzene-T  |
| 5.7                  | 5,7-Dichlorobenzene-T  |
| 5.8                  | 5,8-Dichlorobenzene-T  |
| 5.9                  | 5,9-Dichlorobenzene-T  |
| 6.0                  | 6,0-Dichlorobenzene-T  |
| 6.1                  | 6,1-Dichlorobenzene-T  |
| 6.2                  | 6,2-Dichlorobenzene-T  |
| 6.3                  | 6,3-Dichlorobenzene-T  |
| 6.4                  | 6,4-Dichlorobenzene-T  |
| 6.5                  | 6,5-Dichlorobenzene-T  |
| 6.6                  | 6,6-Dichlorobenzene-T  |
| 6.7                  | 6,7-Dichlorobenzene-T  |
| 6.8                  | 6,8-Dichlorobenzene-T  |
| 6.9                  | 6,9-Dichlorobenzene-T  |
| 7.0                  | 7,0-Dichlorobenzene-T  |
| 7.1                  | 7,1-Dichlorobenzene-T  |
| 7.2                  | 7,2-Dichlorobenzene-T  |
| 7.3                  | 7,3-Dichlorobenzene-T  |
| 7.4                  | 7,4-Dichlorobenzene-T  |
| 7.5                  | 7,5-Dichlorobenzene-T  |
| 7.6                  | 7,6-Dichlorobenzene-T  |
| 7.7                  | 7,7-Dichlorobenzene-T  |
| 7.8                  | 7,8-Dichlorobenzene-T  |
| 7.9                  | 7,9-Dichlorobenzene-T  |
| 8.0                  | 8,0-Dichlorobenzene-T  |
| 8.1                  | 8,1-Dichlorobenzene-T  |
| 8.2                  | 8,2-Dichlorobenzene-T  |
| 8.3                  | 8,3-Dichlorobenzene-T  |
| 8.4                  | 8,4-Dichlorobenzene-T  |
| 8.5                  | 8,5-Dichlorobenzene-T  |
| 8.6                  | 8,6-Dichlorobenzene-T  |
| 8.7                  | 8,7-Dichlorobenzene-T  |
| 8.8                  | 8,8-Dichlorobenzene-T  |
| 8.9                  | 8,9-Dichlorobenzene-T  |
| 9.0                  | 9,0-Dichlorobenzene-T  |
| 9.1                  | 9,1-Dichlorobenzene-T  |
| 9.2                  | 9,2-Dichlorobenzene-T  |
| 9.3                  | 9,3-Dichlorobenzene-T  |
| 9.4                  | 9,4-Dichlorobenzene-T  |
| 9.5                  | 9,5-Dichlorobenzene-T  |
| 9.6                  | 9,6-Dichlorobenzene-T  |
| 9.7                  | 9,7-Dichlorobenzene-T  |
| 9.8                  | 9,8-Dichlorobenzene-T  |
| 9.9                  | 9,9-Dichlorobenzene-T  |
| 10.0                 | 10,0-Dichlorobenzene-T |
| 10.1                 | 10,1-Dichlorobenzene-T |
| 10.2                 | 10,2-Dichlorobenzene-T |
| 10.3                 | 10,3-Dichlorobenzene-T |
| 10.4                 | 10,4-Dichlorobenzene-T |
| 10.5                 | 10,5-Dichlorobenzene-T |
| 10.6                 | 10,6-Dichlorobenzene-T |
| 10.7                 | 10,7-Dichlorobenzene-T |
| 10.8                 | 10,8-Dichlorobenzene-T |
| 10.9                 | 10,9-Dichlorobenzene-T |
| 11.0                 | 11,0-Dichlorobenzene-T |
| 11.1                 | 11,1-Dichlorobenzene-T |
| 11.2                 | 11,2-Dichlorobenzene-T |
| 11.3                 | 11,3-Dichlorobenzene-T |
| 11.4                 | 11,4-Dichlorobenzene-T |
| 11.5                 | 11,5-Dichlorobenzene-T |
| 11.6                 | 11,6-Dichlorobenzene-T |
| 11.7                 | 11,7-Dichlorobenzene-T |
| 11.8                 | 11,8-Dichlorobenzene-T |
| 11.9                 | 11,9-Dichlorobenzene-T |
| 12.0                 | 12,0-Dichlorobenzene-T |
| 12.1                 | 12,1-Dichlorobenzene-T |
| 12.2                 | 12,2-Dichlorobenzene-T |
| 12.3                 | 12,3-Dichlorobenzene-T |
| 12.4                 | 12,4-Dichlorobenzene-T |
| 12.5                 | 12,5-Dichlorobenzene-T |
| 12.6                 | 12,6-Dichlorobenzene-T |
| 12.7                 | 12,7-Dichlorobenzene-T |
| 12.8                 | 12,8-Dichlorobenzene-T |
| 12.9                 | 12,9-Dichlorobenzene-T |
| 13.0                 | 13,0-Dichlorobenzene-T |
| 13.1                 | 13,1-Dichlorobenzene-T |
| 13.2                 | 13,2-Dichlorobenzene-T |
| 13.3                 | 13,3-Dichlorobenzene-T |
| 13.4                 | 13,4-Dichlorobenzene-T |
| 13.5                 | 13,5-Dichlorobenzene-T |
| 13.6                 | 13,6-Dichlorobenzene-T |
| 13.7                 | 13,7-Dichlorobenzene-T |
| 13.8                 | 13,8-Dichlorobenzene-T |
| 13.9                 | 13,9-Dichlorobenzene-T |
| 14.0                 | 14,0-Dichlorobenzene-T |
| 14.1                 | 14,1-Dichlorobenzene-T |
| 14.2                 | 14,2-Dichlorobenzene-T |
| 14.3                 | 14,3-Dichlorobenzene-T |
| 14.4                 | 14,4-Dichlorobenzene-T |
| 14.5                 | 14,5-Dichlorobenzene-T |
| 14.6                 | 14,6-Dichlorobenzene-T |
| 14.7                 | 14,7-Dichlorobenzene-T |
| 14.8                 | 14,8-Dichlorobenzene-T |
| 14.9                 |                        |



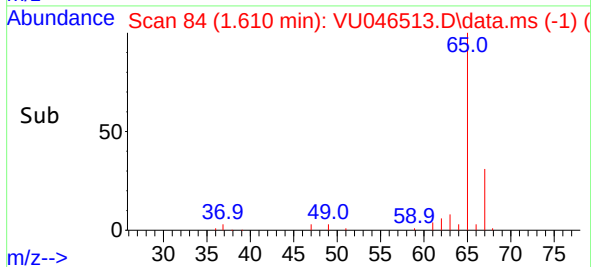
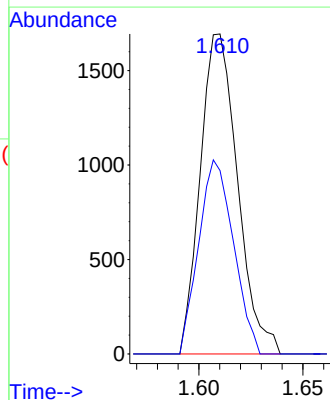
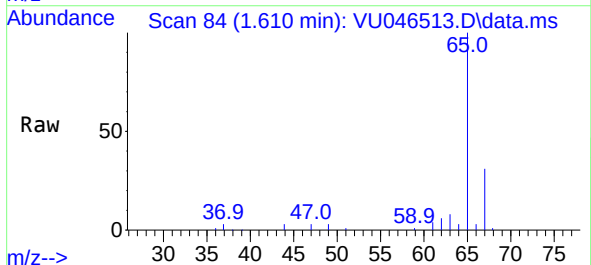
#2  
Dichlorodifluoromethane  
Concen: 0.650 ug/L  
RT: 1.388 min Scan# 15  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

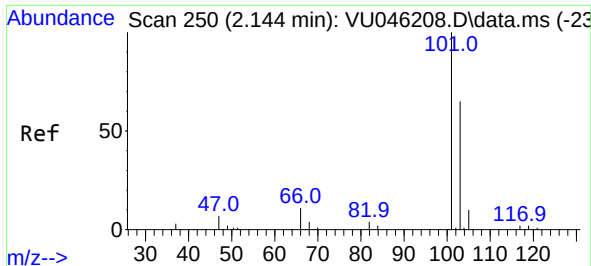
Tgt Ion: 85 Resp: 910  
Ion Ratio Lower Upper  
85 100  
87 35.7 25.7 38.5



#5  
Vinyl chloride  
Concen: 1.676 ug/L  
RT: 1.610 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

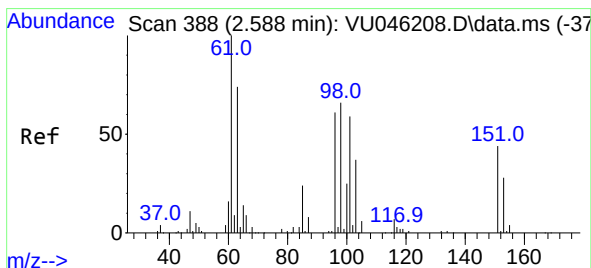
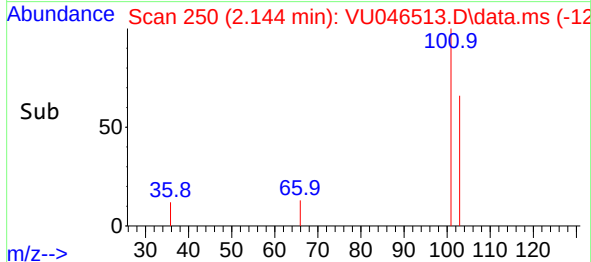
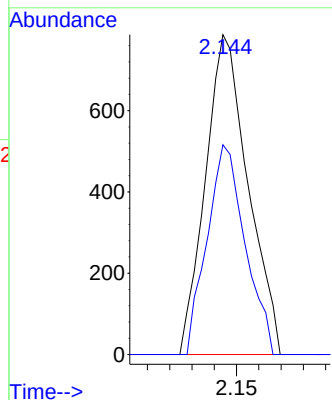
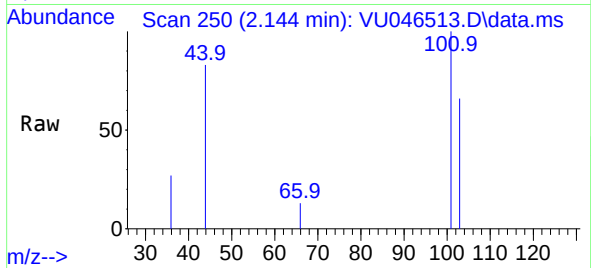
Tgt Ion: 62 Resp: 2117  
Ion Ratio Lower Upper  
62 100  
64 57.3 22.9 42.5#





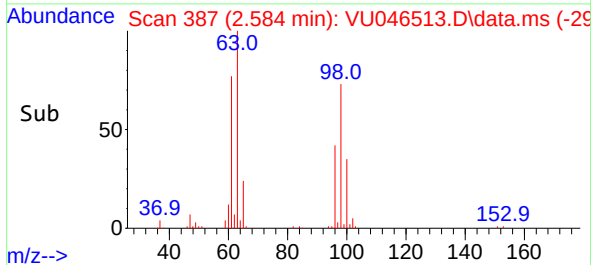
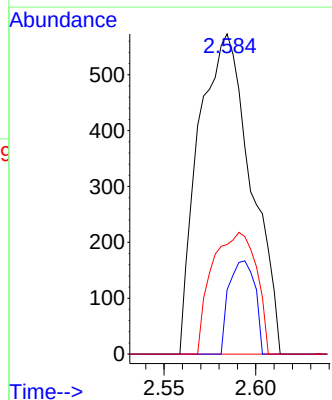
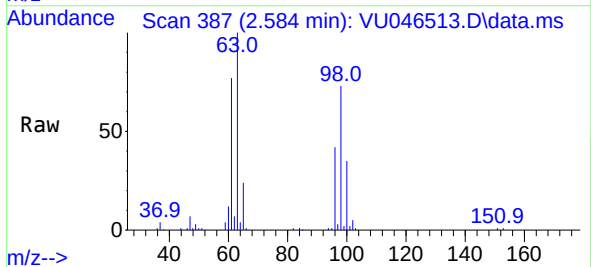
#9  
 Trichlorofluoromethane  
 Concen: 0.635 ug/L  
 RT: 2.144 min Scan# 250  
 Delta R.T. -0.003 min  
 Lab File: VU046513.D  
 Acq: 20 Dec 2021 16:30

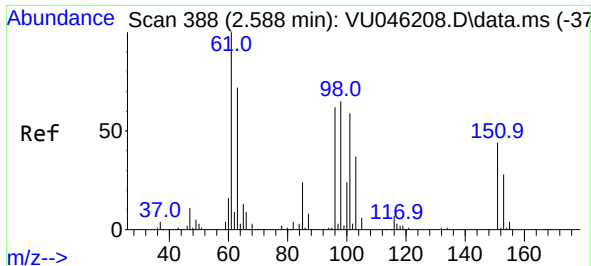
Tgt Ion:101 Resp: 1047  
 Ion Ratio Lower Upper  
 101 100  
 103 58.5 51.8 77.6



#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.215 ug/L  
 RT: 2.584 min Scan# 387  
 Delta R.T. -0.003 min  
 Lab File: VU046513.D  
 Acq: 20 Dec 2021 16:30

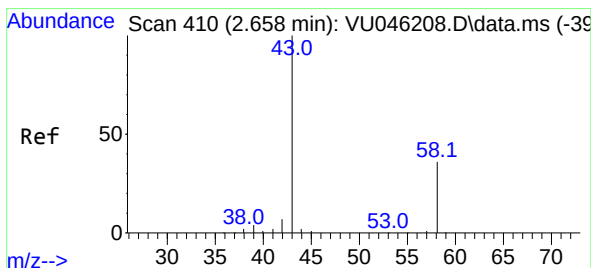
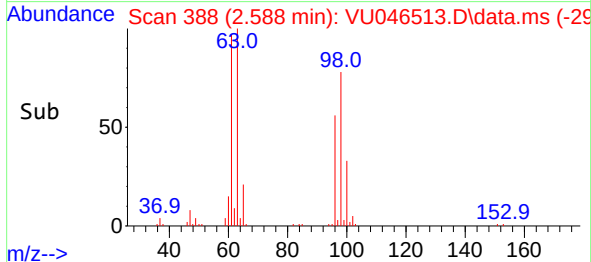
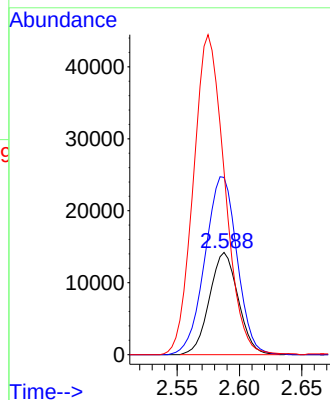
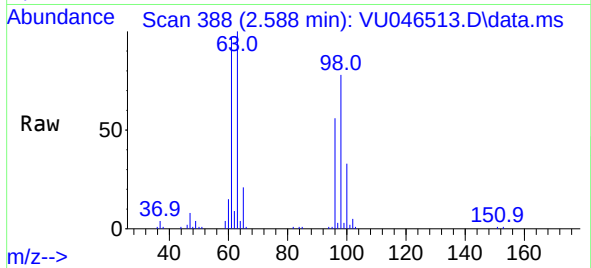
Tgt Ion:101 Resp: 1138  
 Ion Ratio Lower Upper  
 101 100  
 85 14.4 35.1 52.7#  
 151 32.1 56.7 85.1#





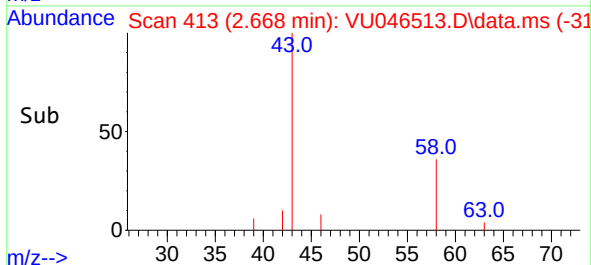
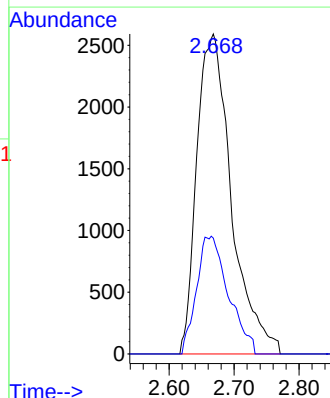
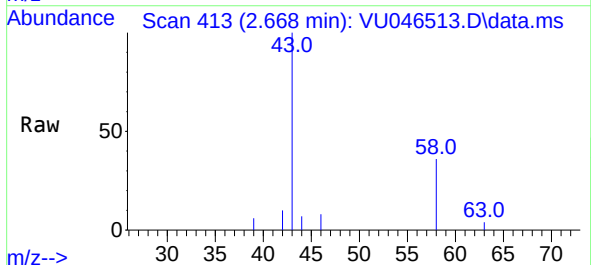
#12  
1,1-Dichloroethene  
Concen: 25.653 ug/L  
RT: 2.588 min Scan# 388  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

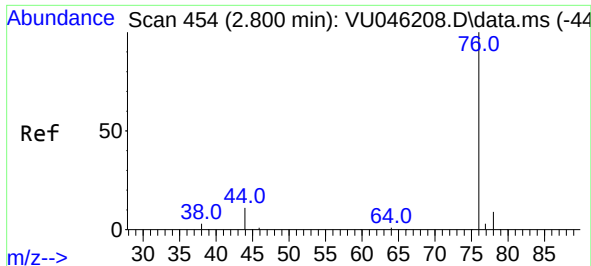
Tgt Ion: 96 Resp: 22832  
Ion Ratio Lower Upper  
96 100  
61 173.6 118.6 220.2  
63 179.8 93.0 172.8#



#13  
Acetone  
Concen: 9.117 ug/L  
RT: 2.668 min Scan# 413  
Delta R.T. 0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

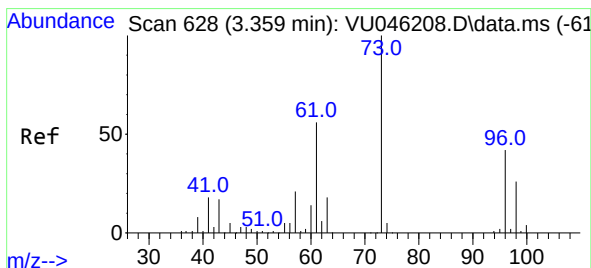
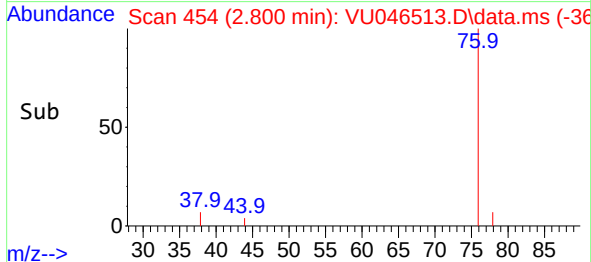
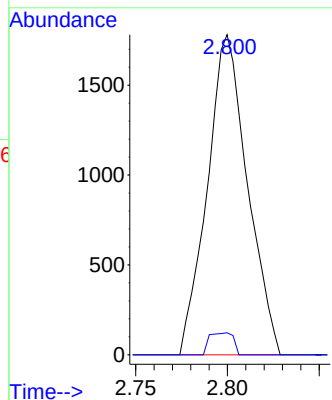
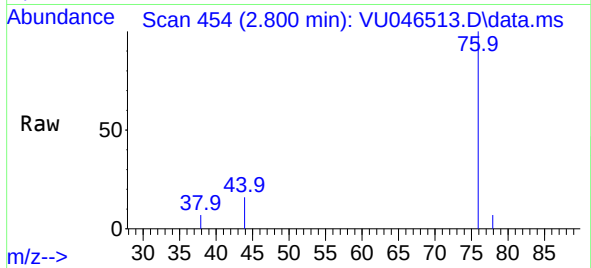
Tgt Ion: 43 Resp: 9605  
Ion Ratio Lower Upper  
43 100  
58 14.2 0.0 66.8





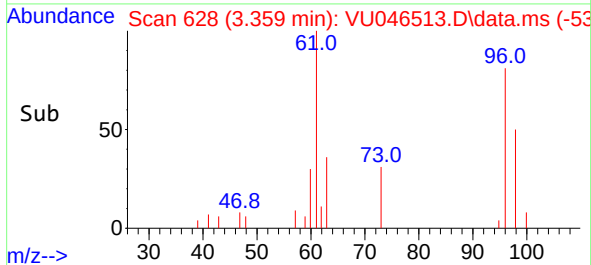
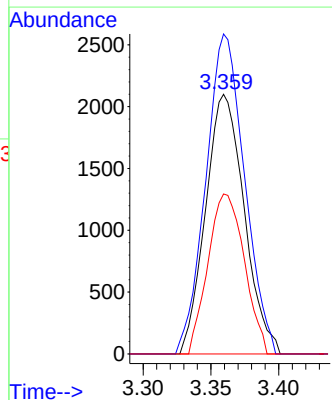
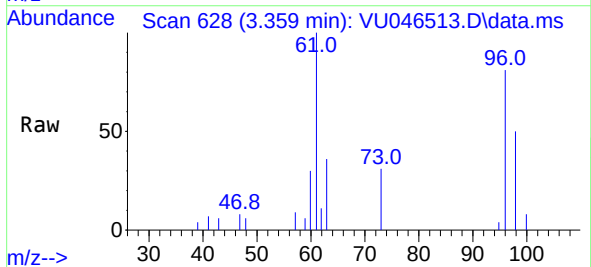
#14  
Carbon disulfide  
Concen: 0.980 ug/L  
RT: 2.800 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

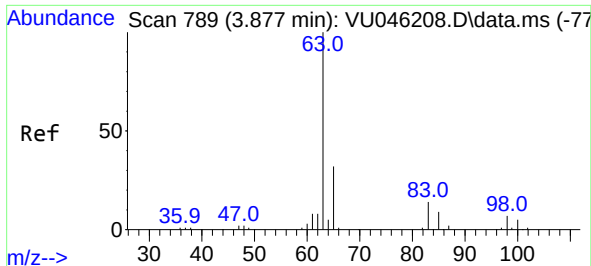
Tgt Ion: 76 Resp: 2706  
Ion Ratio Lower Upper  
76 100  
78 6.9 7.3 10.9#



#17  
trans-1,2-Dichloroethene  
Concen: 4.426 ug/L  
RT: 3.359 min Scan# 628  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

Tgt Ion: 96 Resp: 4169  
Ion Ratio Lower Upper  
96 100  
61 123.2 94.6 175.6  
98 61.6 44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.677 ug/L

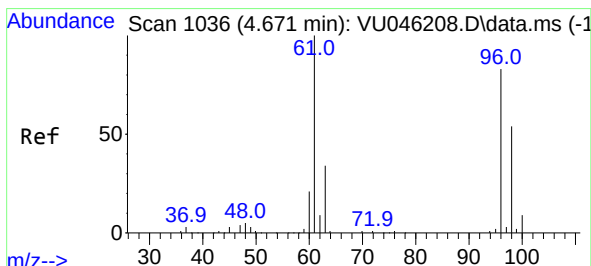
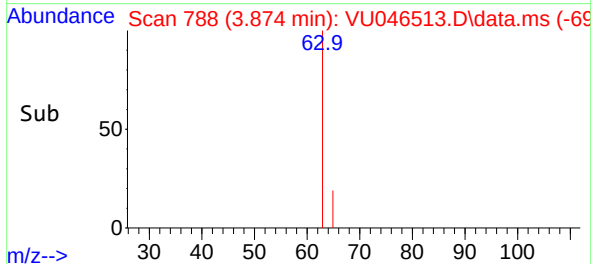
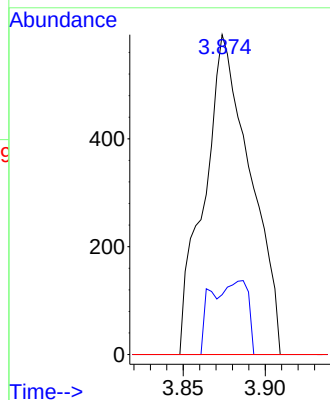
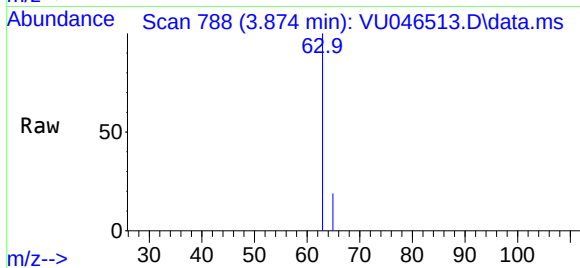
RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU046513.D

Acq: 20 Dec 2021 16:30

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 1159  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 18.7     | 22.8 42.4#  |
| 83 0.0      | 9.6 17.8#   |



#20

cis-1,2-Dichloroethene

Concen: 341.566 ug/L

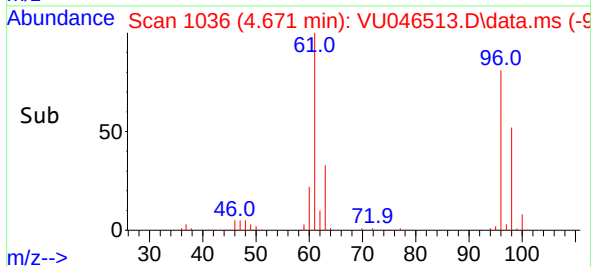
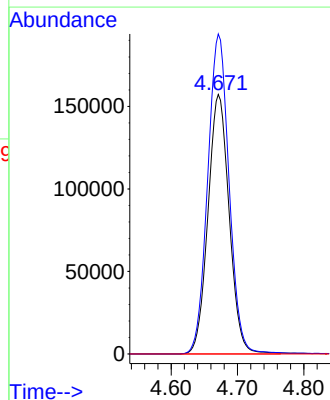
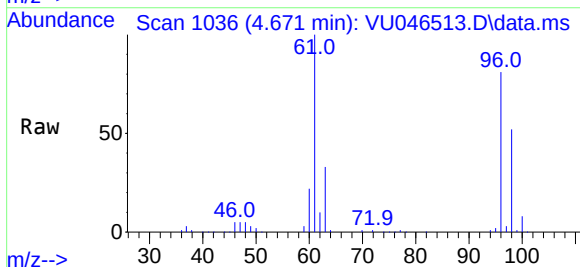
RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

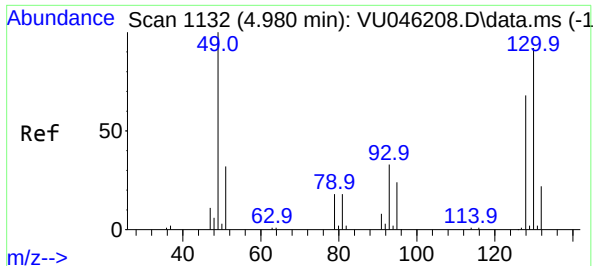
Lab File: VU046513.D

Acq: 20 Dec 2021 16:30

|             |              |
|-------------|--------------|
| Tgt Ion: 96 | Resp: 349088 |
| Ion Ratio   | Lower Upper  |
| 96 100      |              |
| 61 123.3    | 86.8 161.2   |
| 68 0.0      | 0.0 0.0      |

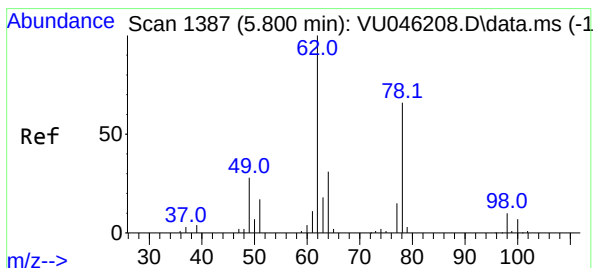
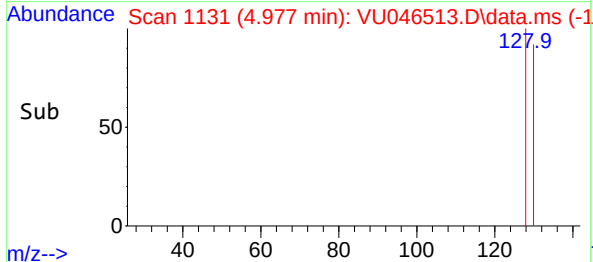
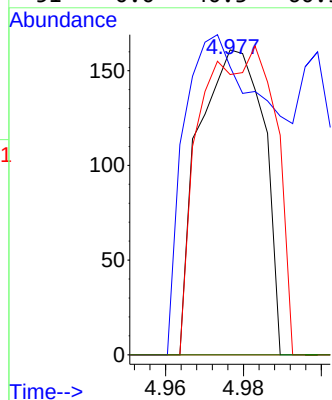
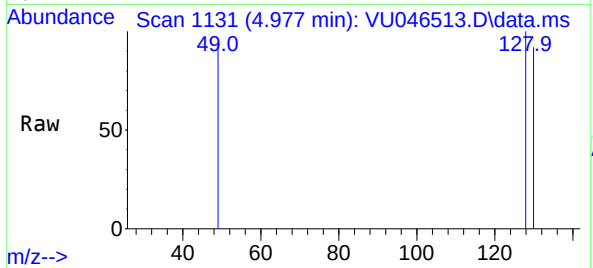






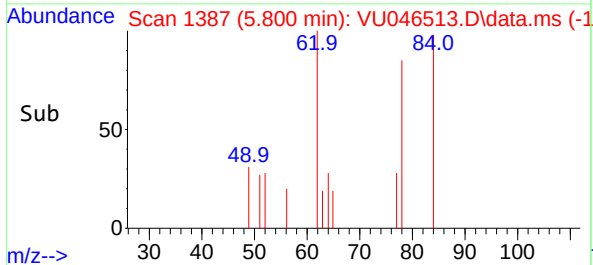
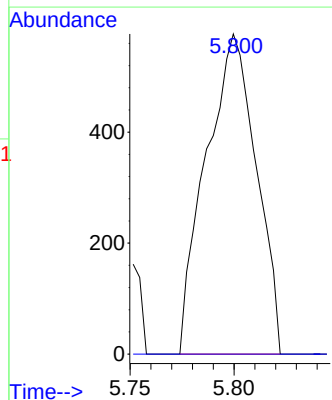
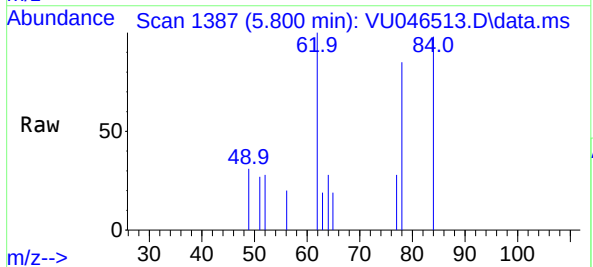
#23  
Bromochloromethane  
Concen: 0.360 ug/L  
RT: 4.977 min Scan# 1131  
Delta R.T. -0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

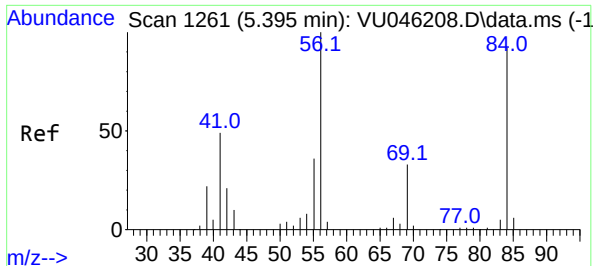
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 186    |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 49       | 94.4  | 115.9 | 215.3# |
| 130      | 91.9  | 91.8  | 170.4  |
| 51       | 0.0   | 40.3  | 60.5#  |



#27  
1,2-Dichloroethane  
Concen: 0.688 ug/L  
RT: 5.800 min Scan# 1387  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 971   |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 0.0   | 7.9   | 11.9# |





#29

Cyclohexane

Concen: 1.647 ug/L

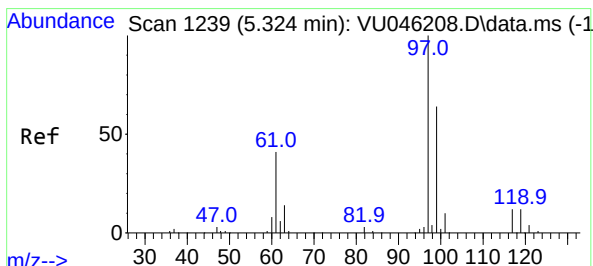
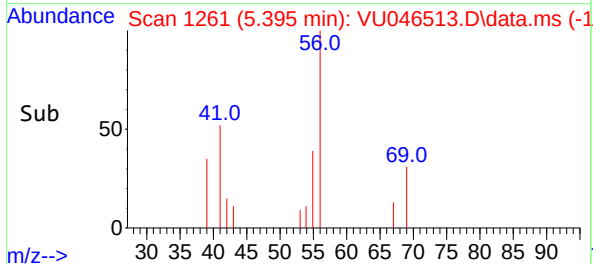
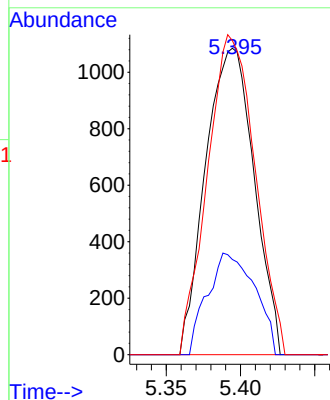
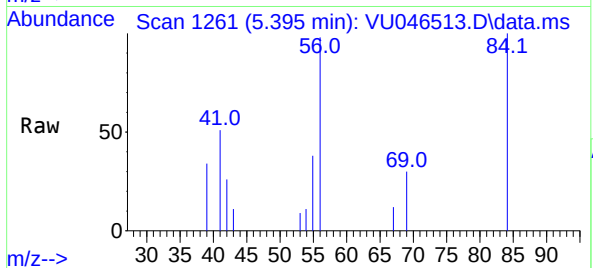
RT: 5.395 min Scan# 1261

Delta R.T. 0.000 min

Lab File: VU046513.D

Acq: 20 Dec 2021 16:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 2468  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 32.4  | 25.2  | 37.8  |
| 84       | 102.5 | 73.3  | 109.9 |



#30

1,1,1-Trichloroethane

Concen: 0.511 ug/L

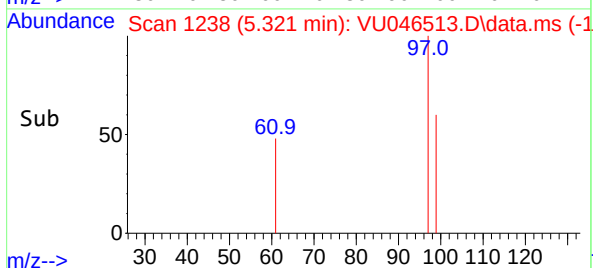
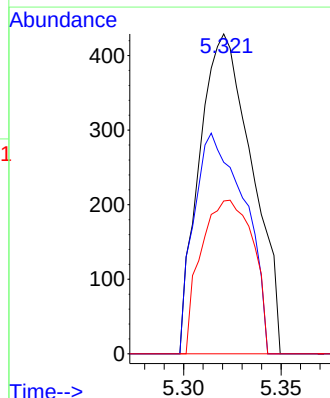
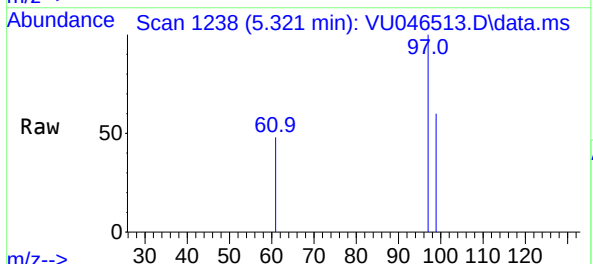
RT: 5.321 min Scan# 1238

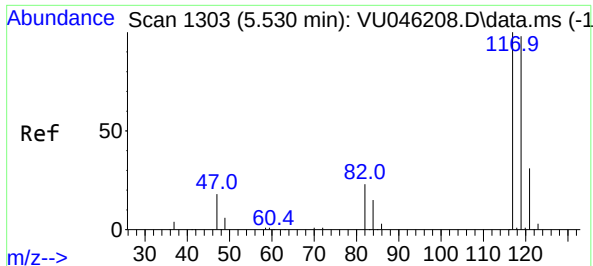
Delta R.T. 0.000 min

Lab File: VU046513.D

Acq: 20 Dec 2021 16:30

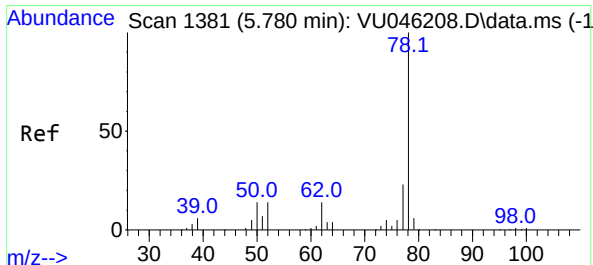
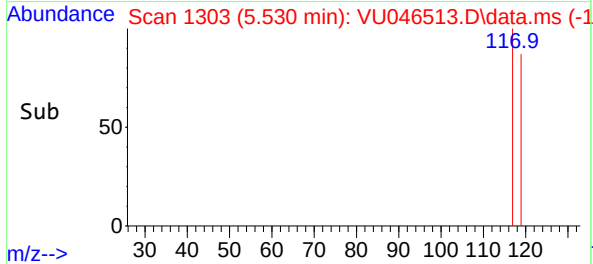
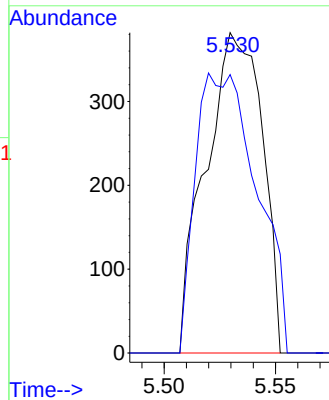
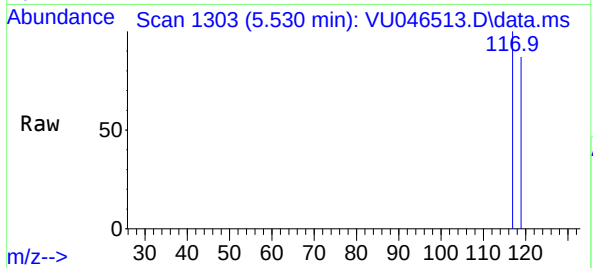
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 807   |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.5  | 51.8  | 77.6  |
| 61       | 47.3  | 34.4  | 51.6  |





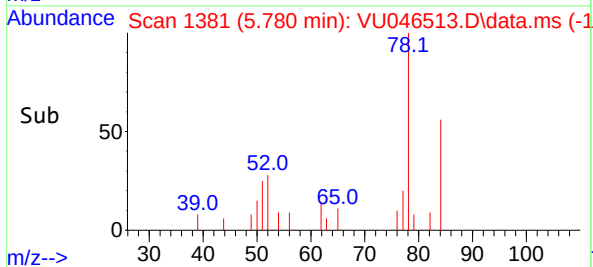
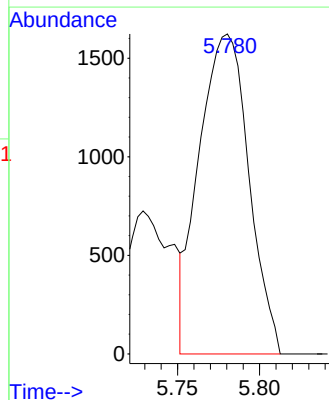
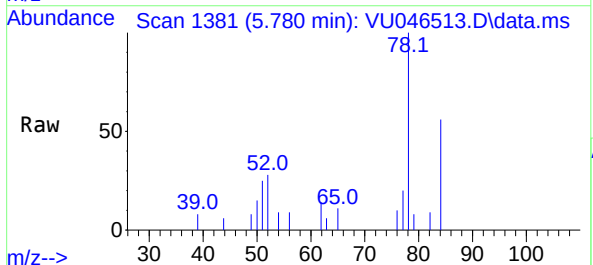
#31  
Carbon tetrachloride  
Concen: 0.503 ug/L  
RT: 5.530 min Scan# 1303  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

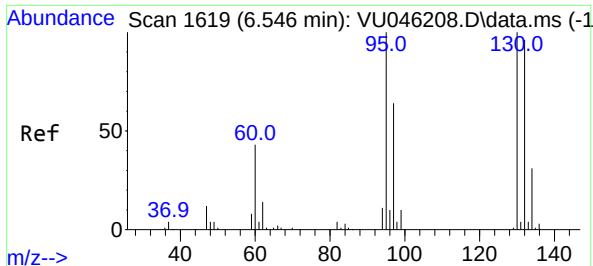
Tgt Ion:117 Resp: 674  
Ion Ratio Lower Upper  
117 100  
119 45.3 75.7 113.5#



#33  
Benzene  
Concen: 0.877 ug/L  
RT: 5.780 min Scan# 1381  
Delta R.T. 0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

Tgt Ion: 78 Resp: 3415

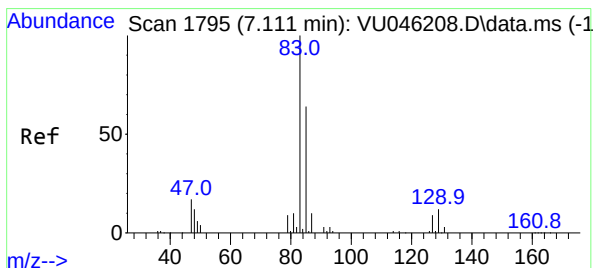
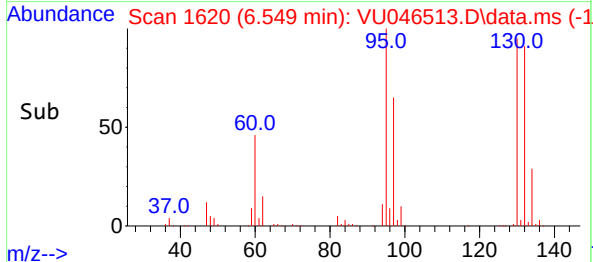
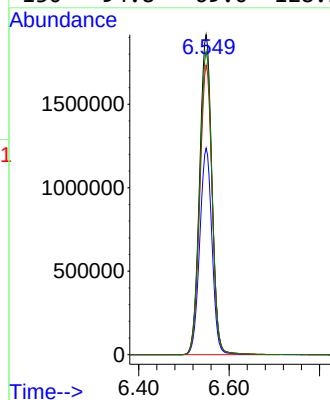
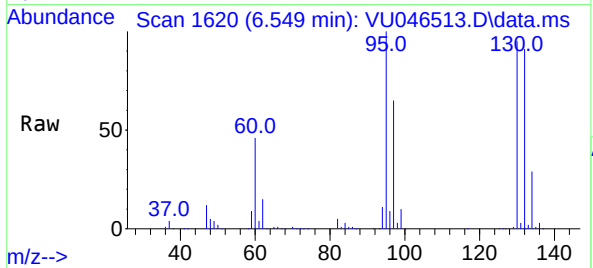




#34  
Trichloroethene  
Concen: 3537.317 ug/L  
RT: 6.549 min Scan# 1620  
Delta R.T. 0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

Tgt Ion: 95 Resp: 3628641

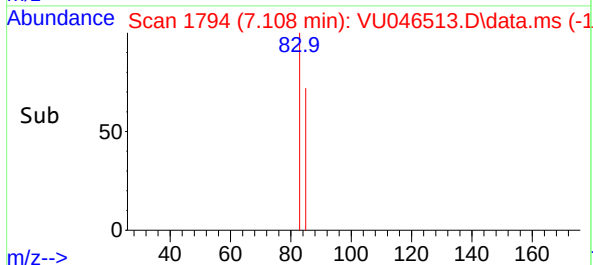
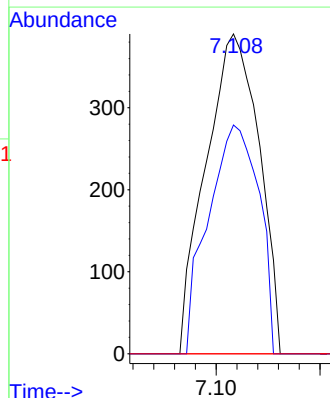
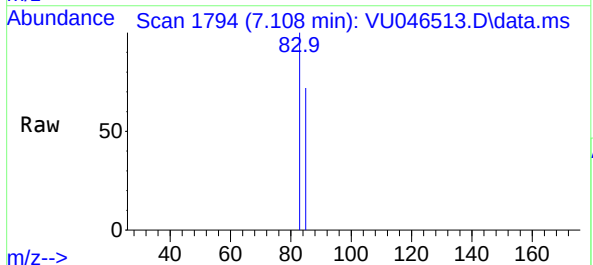
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 64.6  | 44.1  | 81.9  |
| 132 | 90.5  | 66.8  | 124.0 |
| 130 | 94.8  | 69.0  | 128.1 |

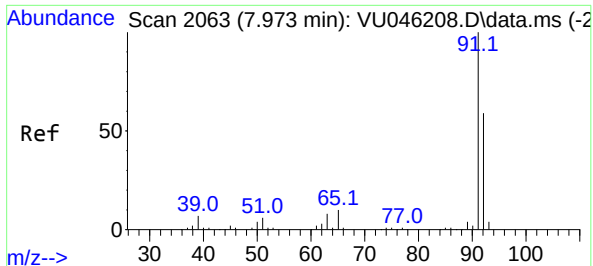


#38  
Bromodichloromethane  
Concen: 0.513 ug/L  
RT: 7.108 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

Tgt Ion: 83 Resp: 696

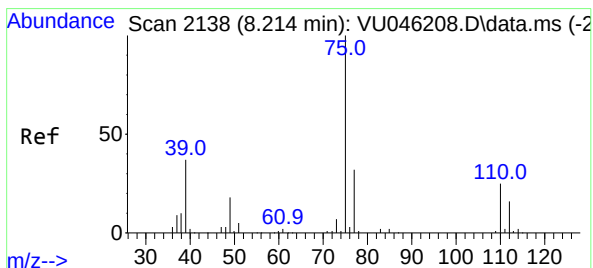
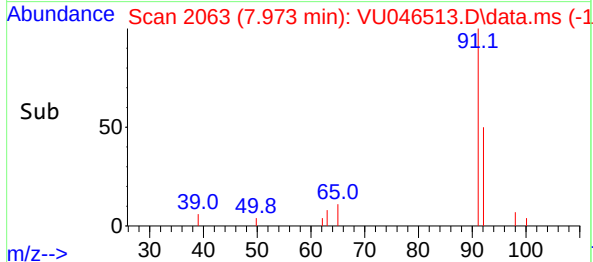
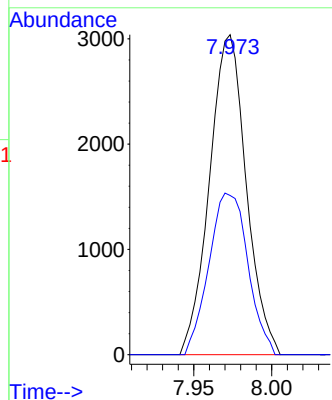
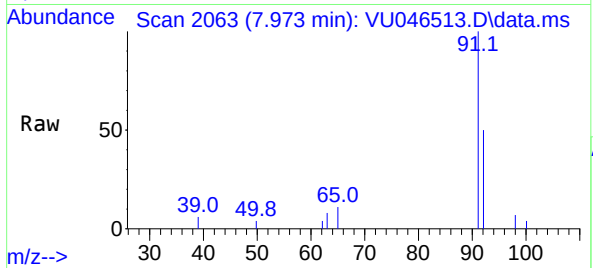
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 71.5  | 44.4  | 82.5  |
| 127 | 0.0   | 6.9   | 10.3  |





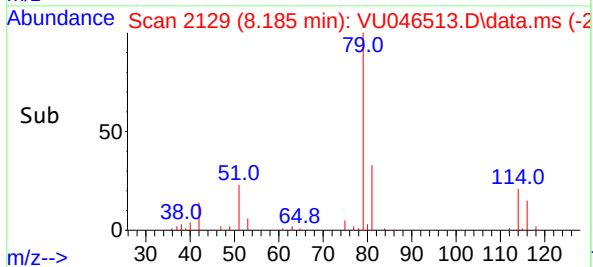
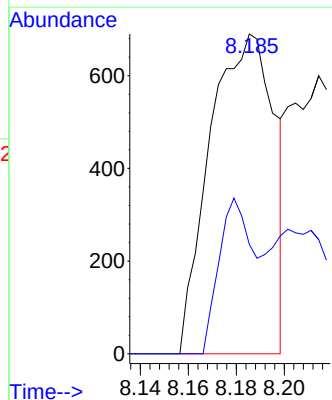
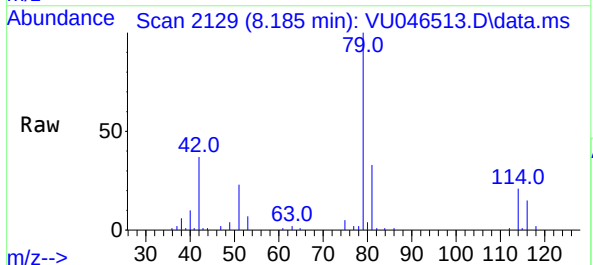
#42  
Toluene  
Concen: 1.194 ug/L  
RT: 7.973 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

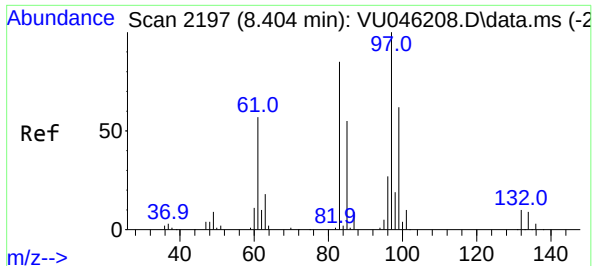
Tgt Ion: 91 Resp: 4989  
Ion Ratio Lower Upper  
91 100  
92 49.8 41.9 77.7



#44  
trans-1,3-Dichloropropene  
Concen: 0.839 ug/L  
RT: 8.185 min Scan# 2129  
Delta R.T. -0.029 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

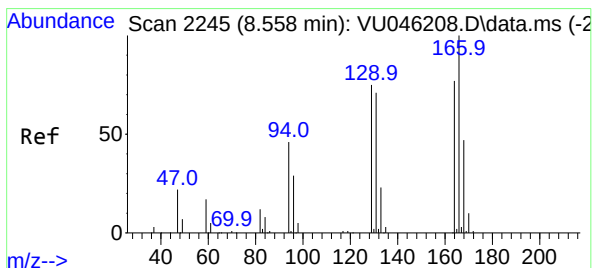
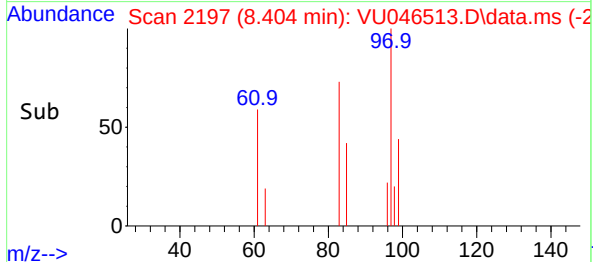
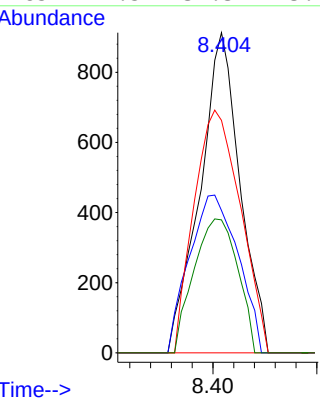
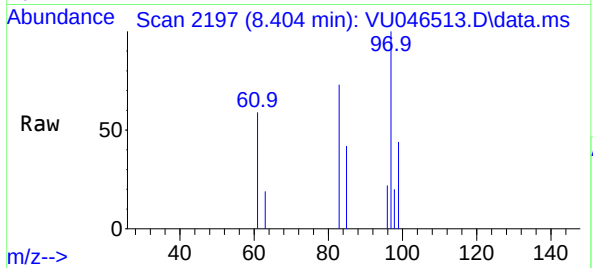
Tgt Ion: 75 Resp: 1278  
Ion Ratio Lower Upper  
75 100  
77 34.2 21.7 40.3





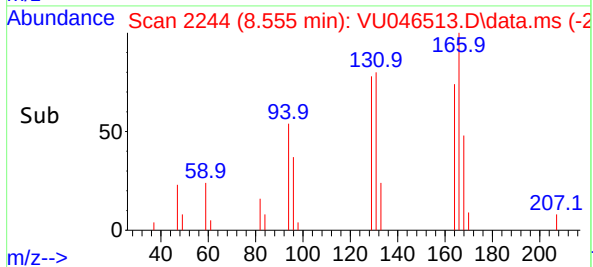
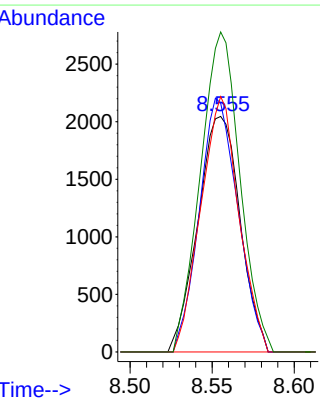
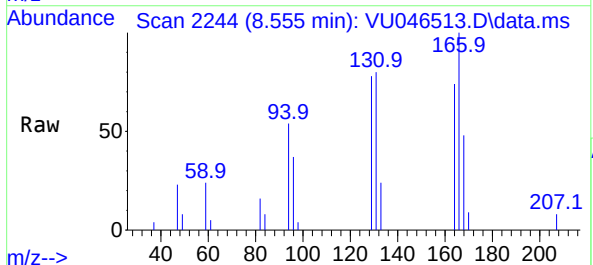
#45  
1,1,2-Trichloroethane  
Concen: 1.193 ug/L  
RT: 8.404 min Scan# 2197  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

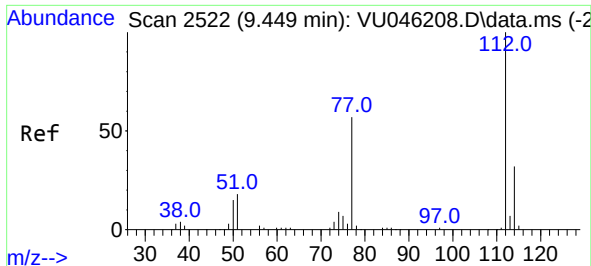
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 97 | Resp: | 1221  |       |
| Ion         | Ratio | Lower | Upper |
| 97          | 100   |       |       |
| 99          | 44.5  | 44.7  | 82.9# |
| 83          | 72.6  | 60.2  | 111.8 |
| 85          | 41.5  | 39.3  | 73.1  |



#46  
Tetrachloroethene  
Concen: 4.844 ug/L  
RT: 8.555 min Scan# 2244  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

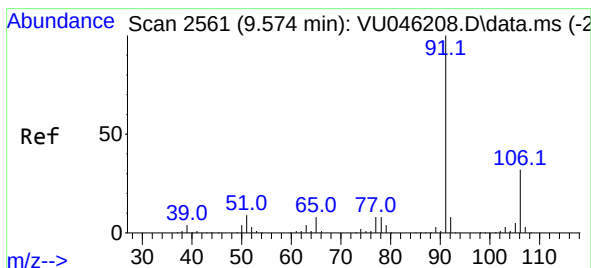
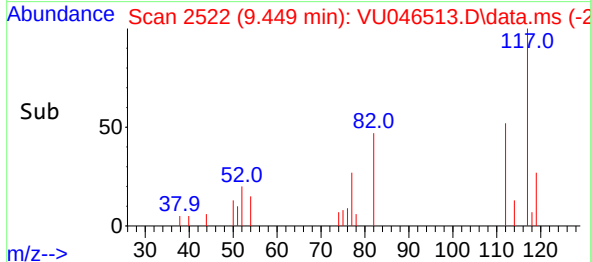
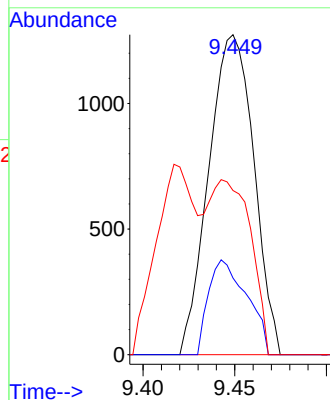
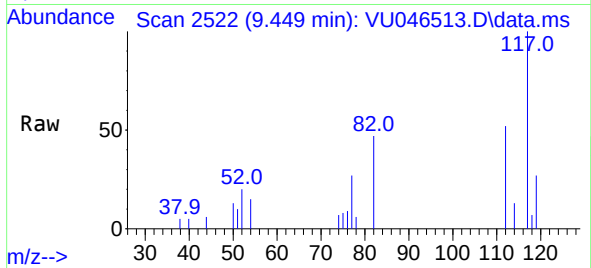
|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 3652  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 105.6   | 71.1  | 132.1 |
| 131 | 108.4   | 67.8  | 126.0 |
| 166 | 135.8   | 90.6  | 168.2 |





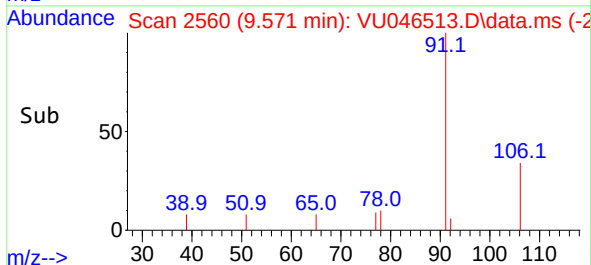
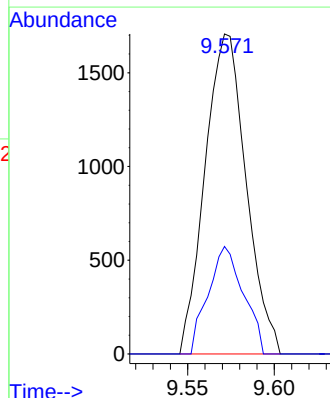
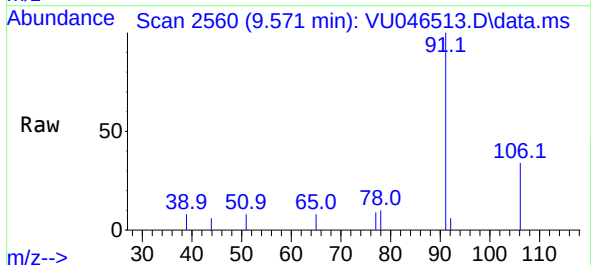
#51  
Chlorobenzene  
Concen: 0.807 ug/L  
RT: 9.449 min Scan# 2522  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

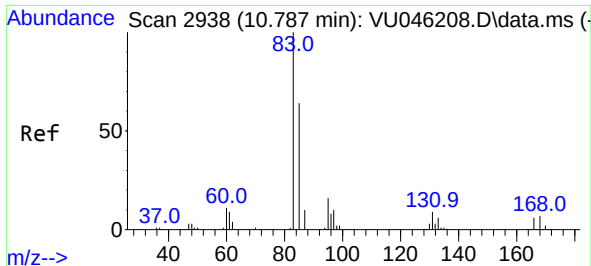
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 112   | Resp: | 2181 |
| Ion Ratio | Lower | Upper |      |
| 112       | 100   |       |      |
| 114       | 23.9  | 22.2  | 41.2 |
| 77        | 51.3  | 47.4  | 71.0 |



#52  
Ethylbenzene  
Concen: 0.626 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

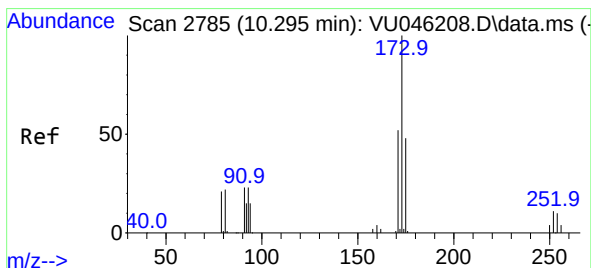
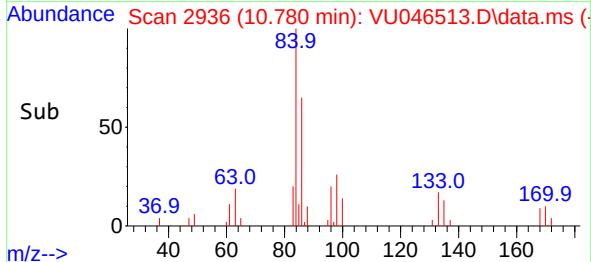
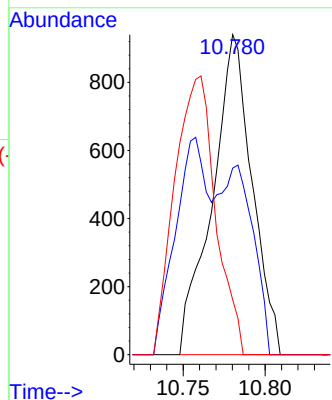
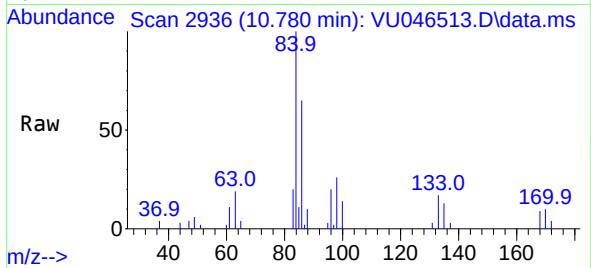
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 91    | Resp: | 2813 |
| Ion Ratio | Lower | Upper |      |
| 91        | 100   |       |      |
| 106       | 33.6  | 21.1  | 39.3 |





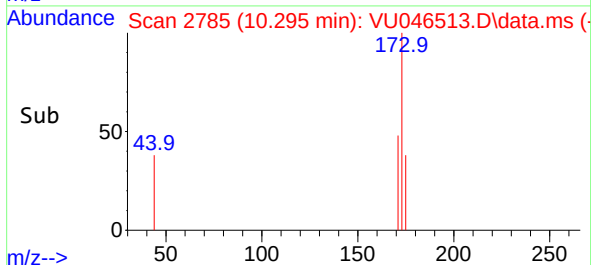
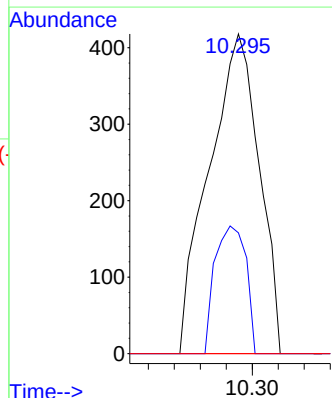
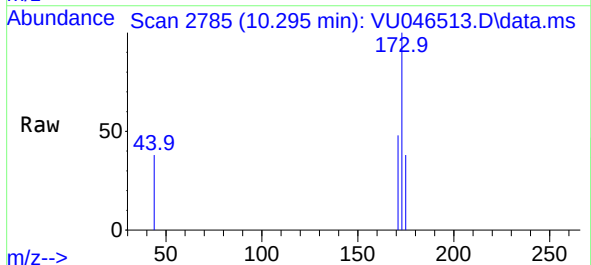
#57  
1,1,2,2-Tetrachloroethane  
Concen: 0.903 ug/L  
RT: 10.780 min Scan# 2936  
Delta R.T. -0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 83 | Resp: | 1584      |
| Ion Ratio   | Lower | Upper     |
| 83          | 100   |           |
| 85          | 58.3  | 45.6 84.6 |
| 131         | 17.2  | 7.8 11.6# |

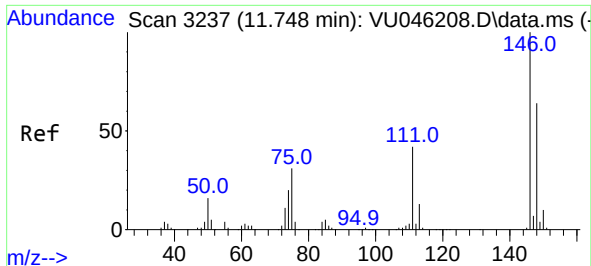


#59  
Bromoform  
Concen: 0.729 ug/L  
RT: 10.295 min Scan# 2785  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

|              |       |            |
|--------------|-------|------------|
| Tgt Ion: 173 | Resp: | 559        |
| Ion Ratio    | Lower | Upper      |
| 173          | 100   |            |
| 175          | 24.7  | 39.2 58.8# |
| 254          | 0.0   | 7.4 11.2#  |

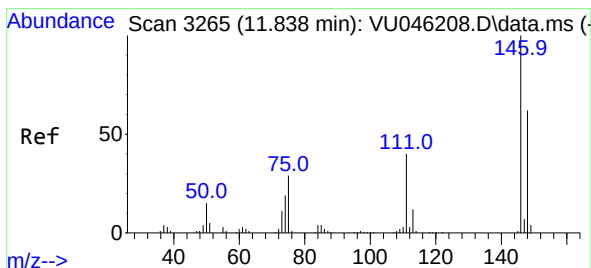
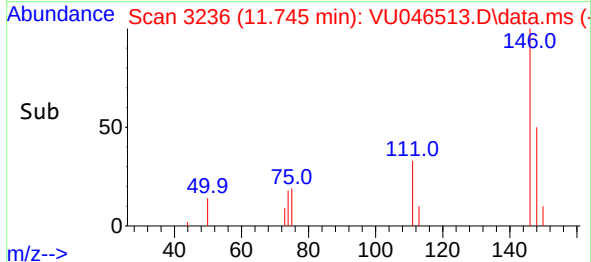
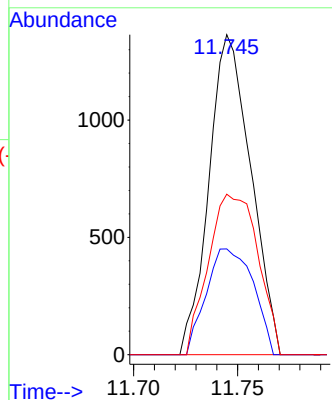
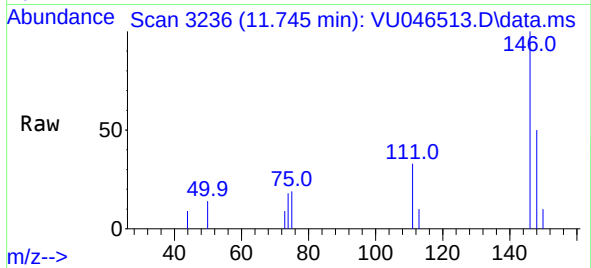






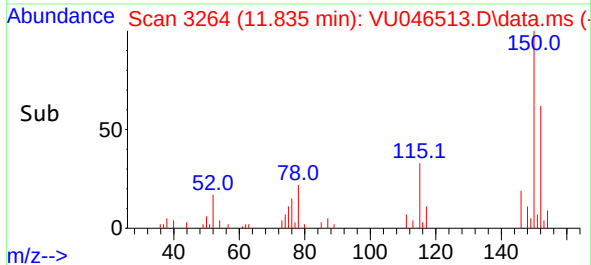
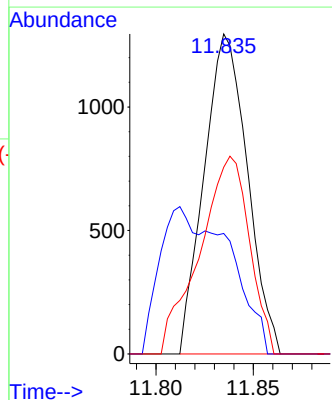
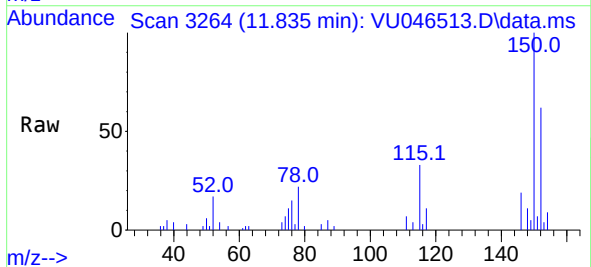
#64  
1,3-Dichlorobenzene  
Concen: 0.946 ug/L  
RT: 11.745 min Scan# 3236  
Delta R.T. -0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

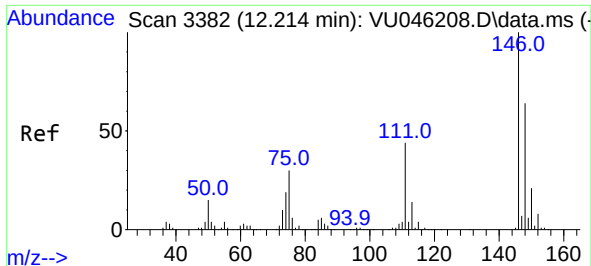
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 1911        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 33.1  | 29.5 54.9   |
| 148         | 50.1  | 45.9 85.3   |



#65  
1,4-Dichlorobenzene  
Concen: 0.959 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

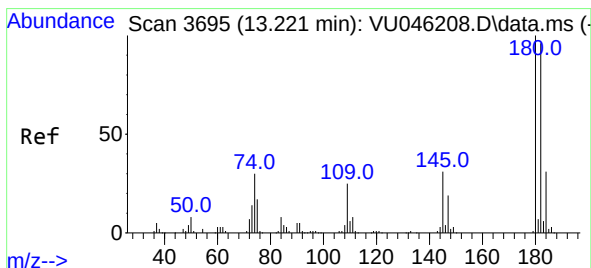
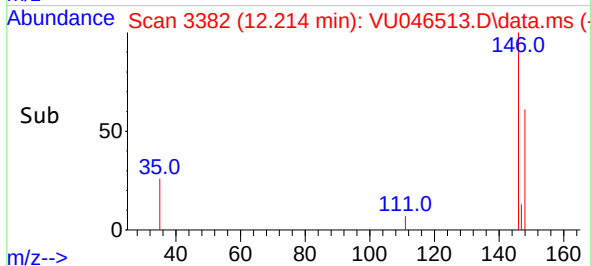
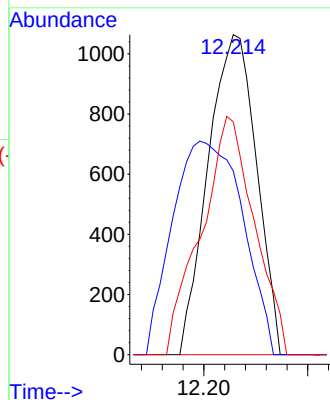
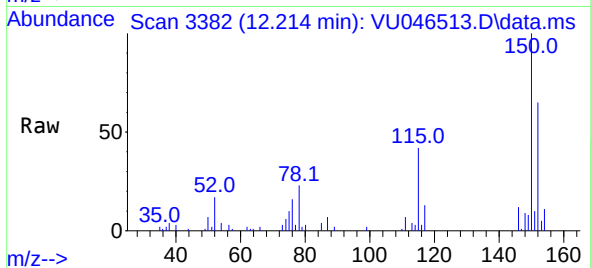
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 2001        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 37.7  | 28.3 52.7   |
| 148         | 58.3  | 43.8 81.3   |





#67  
1,2-Dichlorobenzene  
Concen: 0.845 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

Tgt Ion:146 Resp: 1718  
Ion Ratio Lower Upper  
146 100  
111 57.3 35.7 53.5#  
148 72.7 51.2 76.8



#69  
1,3,5-Trichlorobenzene  
Concen: 1.074 ug/L  
RT: 13.221 min Scan# 3695  
Delta R.T. 0.000 min  
Lab File: VU046513.D  
Acq: 20 Dec 2021 16:30

Tgt Ion:180 Resp: 1581  
Ion Ratio Lower Upper  
180 100  
182 106.4 75.9 113.9  
184 32.6 24.2 36.4  
145 28.8 24.9 37.3

