

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071922\  
 Data File : VW023909.D  
 Acq On : 20 Jul 2022 02:11  
 Operator : SY/VA  
 Sample : N3743-14  
 Misc : 6.78g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 20 03:02:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071322SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 20 02:42:08 2022  
 Response via : Initial Calibration

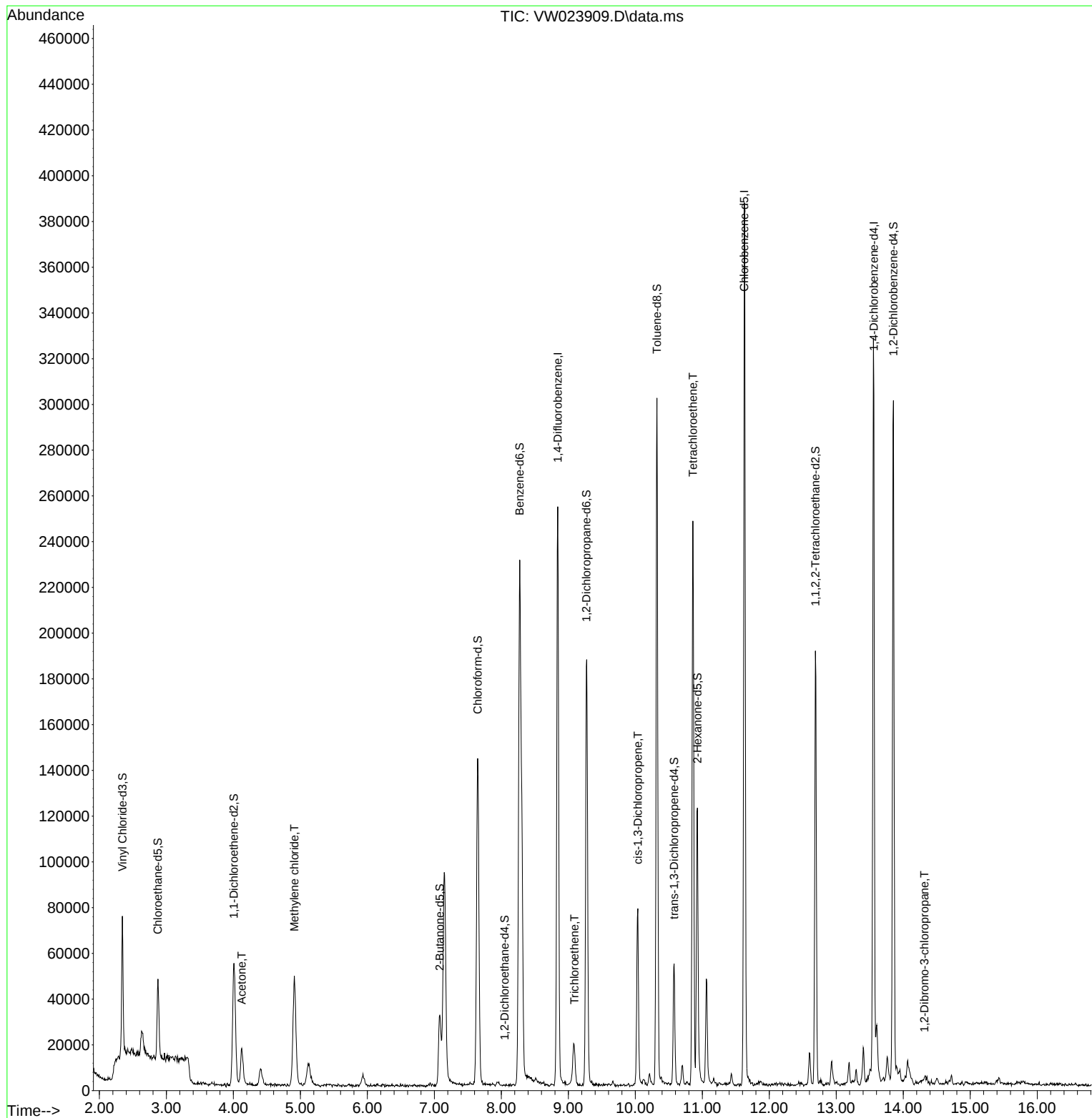
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 203296   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 200636   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 77829    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 54389    | 10.475   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 41.880%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 37084    | 10.706   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 42.840%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 51106    | 12.087   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 48.360%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 49177    | 61.060   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 122.120% |
| 24) Chloroform-d              | 7.647  | 84    | 141025   | 23.826   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.320%  |
| 26) 1,2-Dichloroethane-d4     | 8.049  | 65    | 107      | 0.030    | ug/L   | -0.26    |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.120%#  |
| 32) Benzene-d6                | 8.275  | 84    | 228898   | 21.947   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.800%  |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67    | 83122    | 26.458   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 105.840% |
| 41) Toluene-d8                | 10.323 | 98    | 194939   | 18.427   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 73.720%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 28494    | 19.349   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 77.400%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 37503    | 56.770   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 113.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 89083    | 25.658   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.640% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 73982    | 26.628   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 106.520% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 13) Acetone                   | 4.123  | 43    | 27534    | 48.355   | ug/L   | 96       |
| 16) Methylene chloride        | 4.909  | 84    | 36040    | 11.337   | ug/L   | 97       |
| 34) Trichloroethene           | 9.092  | 95    | 3181     | 1.057    | ug/L   | 87       |
| 39) cis-1,3-Dichloropropene   | 10.036 | 75    | 2655     | 0.616    | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.860 | 164   | 49926    | 21.446   | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.316 | 75    | 1004     | 2.551    | ug/L # | 13       |
| -----                         |        |       |          |          |        |          |

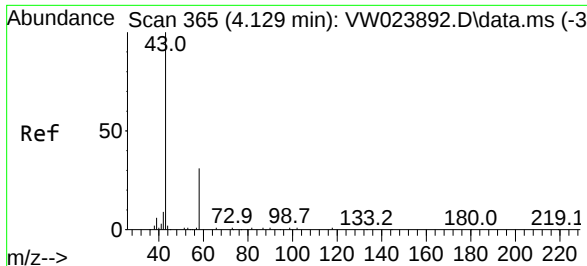
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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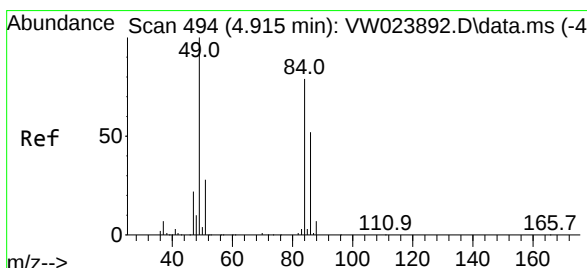
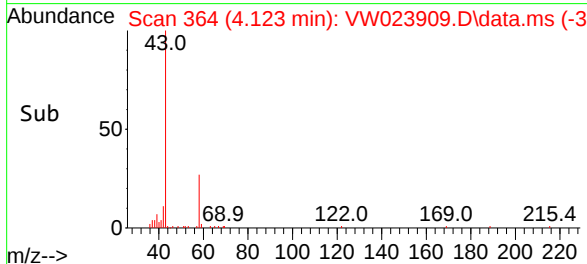
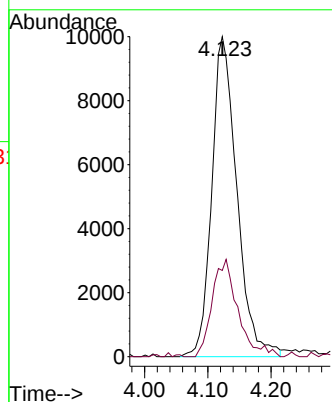
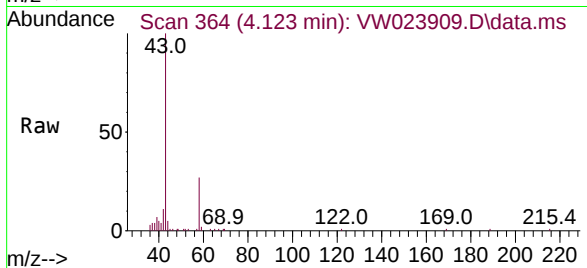




#13  
Acetone  
Concen: 48.355 ug/L  
RT: 4.123 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VW023909.D  
Acq: 20 Jul 2022 02:11

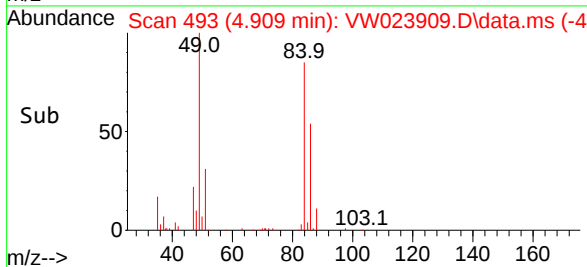
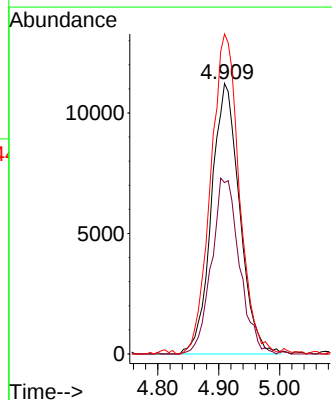
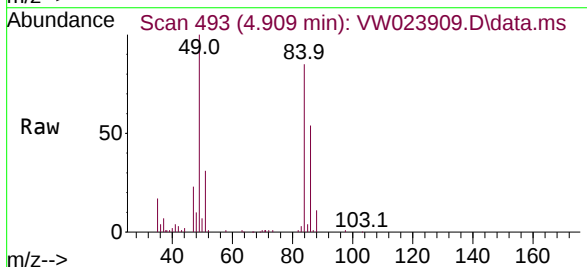
Instrument :  
MSVOA\_W  
ClientSampleId :

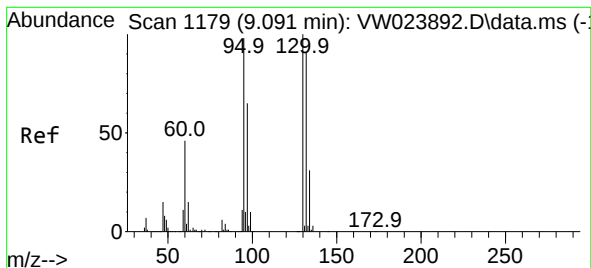
Tgt Ion: 43 Resp: 27534  
Ion Ratio Lower Upper  
43 100  
58 30.0 0.0 64.2



#16  
Methylene chloride  
Concen: 11.337 ug/L  
RT: 4.909 min Scan# 493  
Delta R.T. -0.006 min  
Lab File: VW023909.D  
Acq: 20 Jul 2022 02:11

Tgt Ion: 84 Resp: 36040  
Ion Ratio Lower Upper  
84 100  
86 63.3 42.8 79.6  
49 118.3 85.4 158.6





#34

Trichloroethene

Concen: 1.057 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

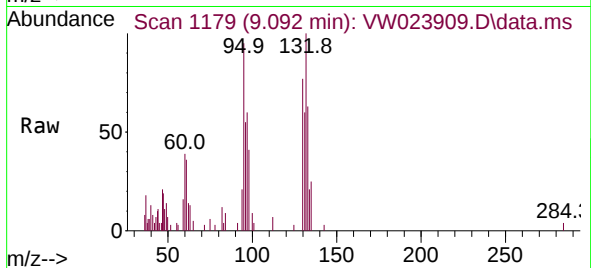
Lab File: VW023909.D

Acq: 20 Jul 2022 02:11

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 3181

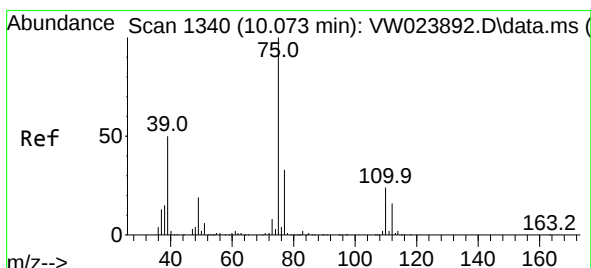
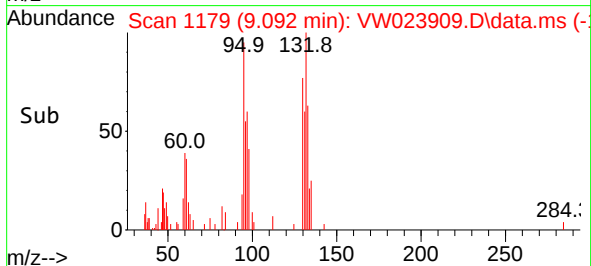
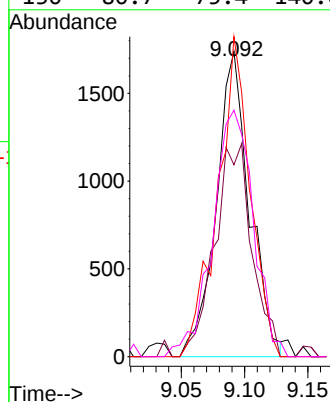
Ion Ratio Lower Upper

95 100

97 62.9 45.6 84.8

132 104.8 69.9 129.7

130 80.7 75.4 140.0



#39

cis-1,3-Dichloropropene

Concen: 0.616 ug/L

RT: 10.036 min Scan# 1334

Delta R.T. -0.036 min

Lab File: VW023909.D

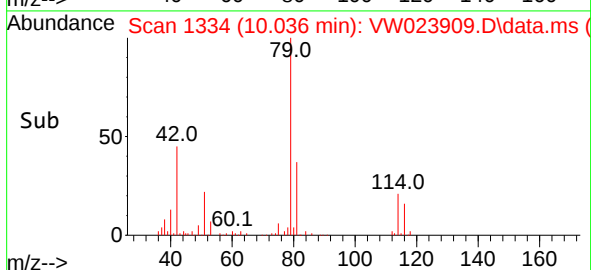
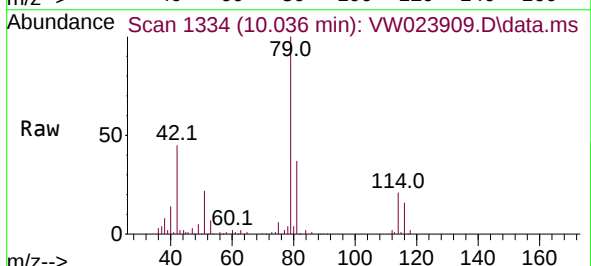
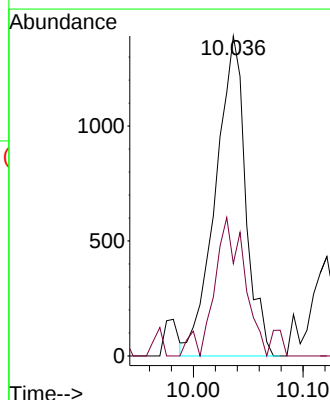
Acq: 20 Jul 2022 02:11

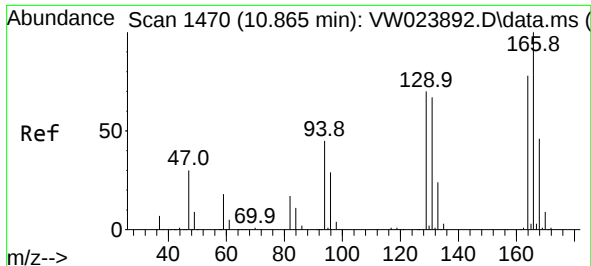
Tgt Ion: 75 Resp: 2655

Ion Ratio Lower Upper

75 100

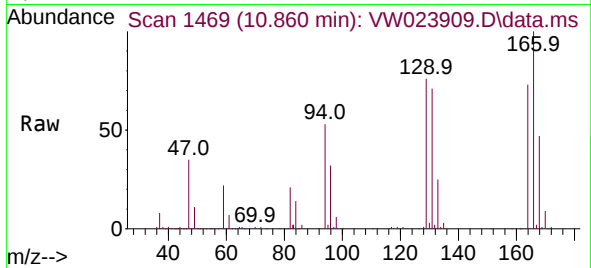
77 28.9 22.5 41.9



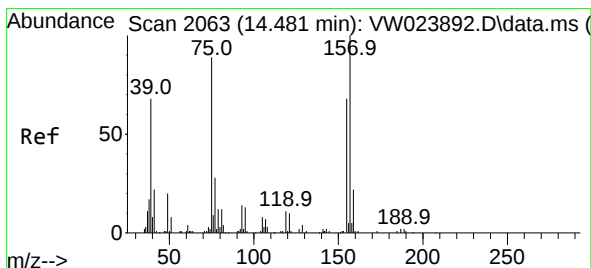
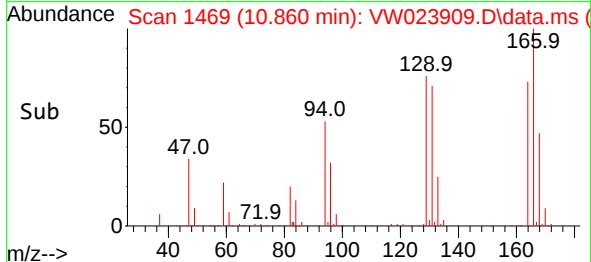
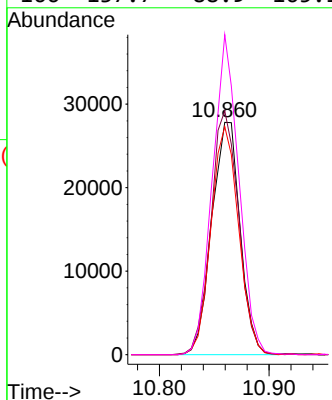


#46  
Tetrachloroethene  
Concen: 21.446 ug/L  
RT: 10.860 min Scan# 1470  
Delta R.T. -0.006 min  
Lab File: VW023909.D  
Acq: 20 Jul 2022 02:11

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion:164 Resp: 49926  
Ion Ratio Lower Upper  
164 100  
129 105.0 72.4 134.5  
131 98.1 67.8 125.8  
166 137.7 88.9 165.1



#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.551 ug/L  
RT: 14.316 min Scan# 2036  
Delta R.T. -0.165 min  
Lab File: VW023909.D  
Acq: 20 Jul 2022 02:11

Tgt Ion: 75 Resp: 1004  
Ion Ratio Lower Upper  
75 100  
155 0.0 51.7 77.5#  
157 0.0 63.5 95.3#

