

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\  
 Data File : VW016930.D  
 Acq On : 16 Oct 2020 16:04  
 Operator : SY/VA  
 Sample : L4426-11  
 Misc : 5.29G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 17 00:45:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 17 00:37:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 563487   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 500625   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 228959   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |        |       |          |          |      |         |
|----------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3             | 2.36   | 65    | 118366   | 21.29    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 85.16%  |
| 7) Chloroethane-d5               | 2.89   | 69    | 103475   | 22.19    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 88.76%  |
| 10) 1,1-Dichloroethene-d2        | 4.03   | 63    | 181814   | 15.40    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 45 - 110 | Recovery | =    | 61.60%  |
| 20) 2-Butanone-d5                | 7.08   | 46    | 65073    | 51.68    | ug/L | 0.00    |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 103.36% |
| 24) Chloroform-d                 | 7.65   | 84    | 288999   | 24.31    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 40 - 150 | Recovery | =    | 97.24%  |
| 26) 1,2-Dichloroethane-d4        | 8.31   | 65    | 145681   | 25.37    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 70 - 130 | Recovery | =    | 101.48% |
| 29) Benzene-d6                   | 8.27   | 84    | 580830   | 25.55    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 20 - 135 | Recovery | =    | 102.20% |
| 33) 1,2-Dichloropropane-d6       | 9.27   | 67    | 160974   | 26.34    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 70 - 120 | Recovery | =    | 105.36% |
| 37) Toluene-d8                   | 10.32  | 98    | 540298   | 25.18    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 30 - 130 | Recovery | =    | 100.72% |
| 38) trans-1,3-Dichloropropene-   | 10.58  | 79    | 65730    | 24.39    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 30 - 135 | Recovery | =    | 97.56%  |
| 39) 2-Hexanone-d5                | 10.93  | 63    | 53991    | 57.14    | ug/L | 0.00    |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 114.28% |
| 48) 1,1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 132024   | 26.75    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 45 - 120 | Recovery | =    | 107.00% |
| 61) 1,2-Dichlorobenzene-d4       | 13.85  | 152   | 187759   | 25.85    | ug/L | 0.00    |
| Spiked Amount                    | 25.000 | Range | 75 - 120 | Recovery | =    | 103.40% |

## Target Compounds

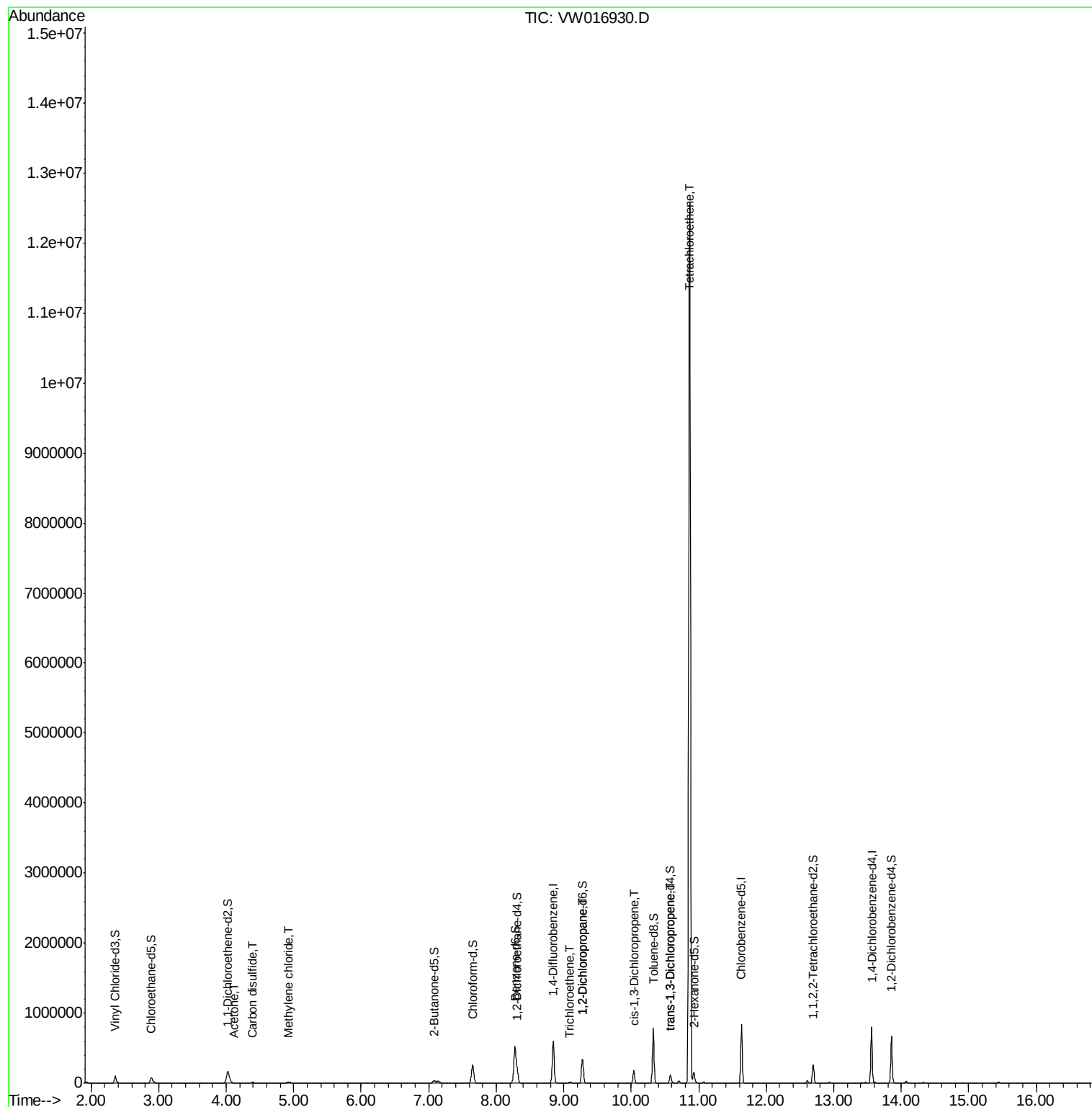
|                               |       |     |         |              | Ovalue |
|-------------------------------|-------|-----|---------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 2341    | 2.457 ug/L   | 86     |
| 14) Carbon disulfide          | 4.39  | 76  | 21956   | 1.051 ug/L   | 97     |
| 16) Methylene chloride        | 4.93  | 84  | 12816   | 1.648 ug/L   | 97     |
| 35) Trichloroethene           | 9.09  | 95  | 4562    | 0.600 ug/L   | 98     |
| 40) 1,2-Dichloropropane       | 9.27  | 63  | 18438   | 3.033 ug/L # | 84     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75  | 4786    | 0.494 ug/L # | 75     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 2841    | 0.348 ug/L # | 78     |
| 47) Tetrachloroethene         | 10.87 | 164 | 3038723 | 431.012 ug/L | 95     |

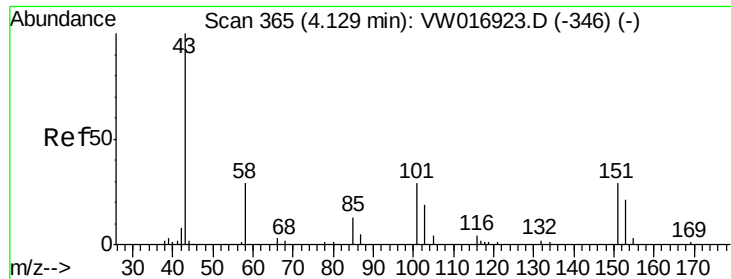
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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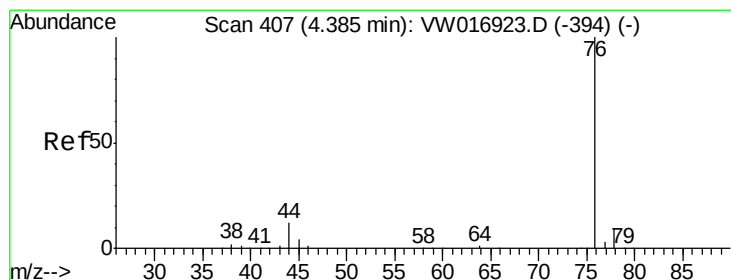
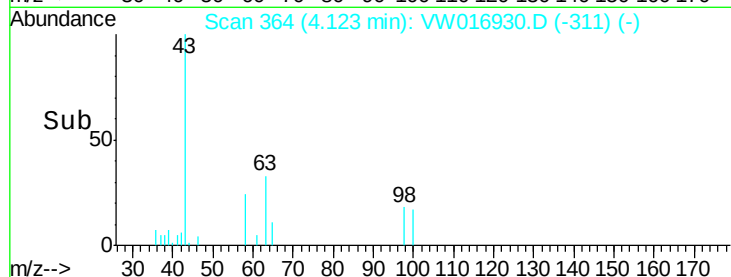
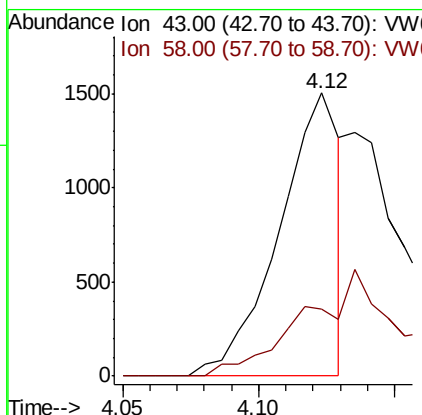
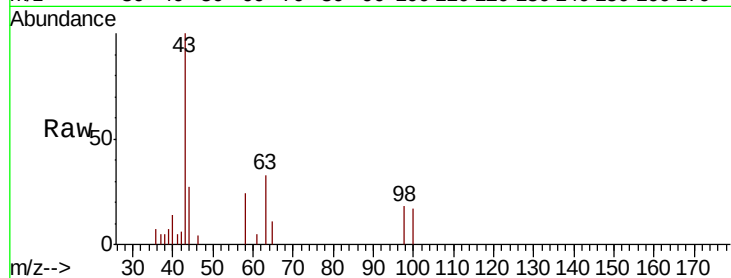




#13  
Acetone  
Concen: 2.457 ug/L  
RT: 4.12 min Scan# 364  
Delta R.T. -0.01 min  
Lab File: VW016930.D  
Acq: 16 Oct 2020 16:04

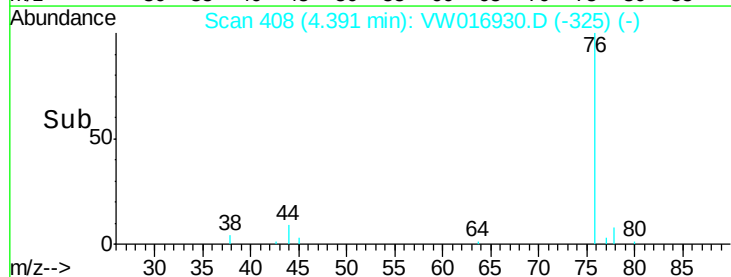
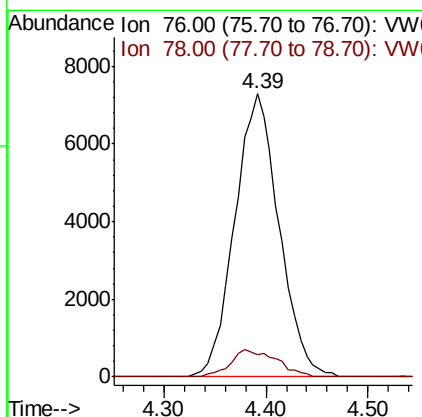
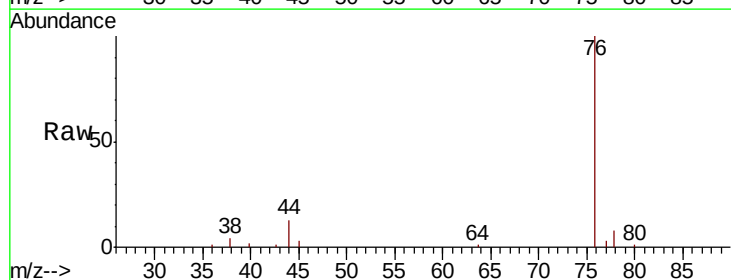
Instrument :  
MSVOA\_W  
ClientSampleId :

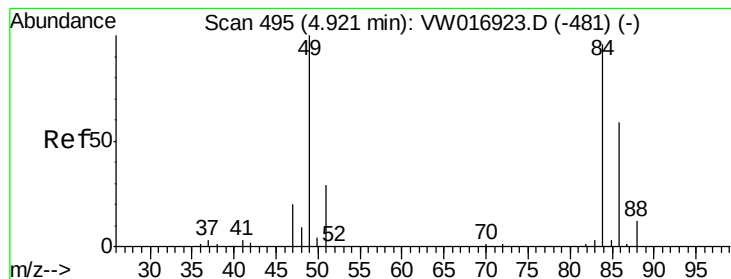
Tot Ion: 43 Resp: 2341  
Ion Ratio Lower Upper  
43 100  
58 26.1 0.0 67.6



#14  
Carbon disulfide  
Concen: 1.051 ug/L  
RT: 4.39 min Scan# 408  
Delta R.T. 0.01 min  
Lab File: VW016930.D  
Acq: 16 Oct 2020 16:04

Tgt Ion: 76 Resp: 21956  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.4 11.0





#16

Methvlene chloride

Concen: 1.648 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016930.D

Acq: 16 Oct 2020 16:04

Instrument :

MSVOA\_W

ClientSampleId :

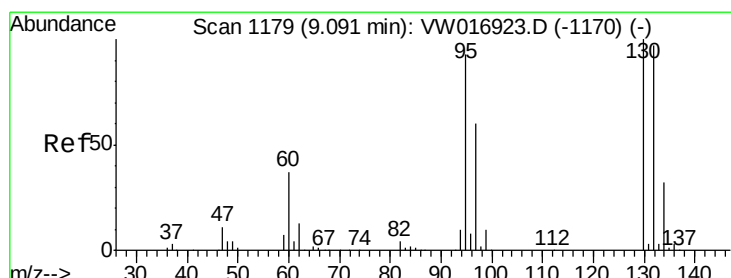
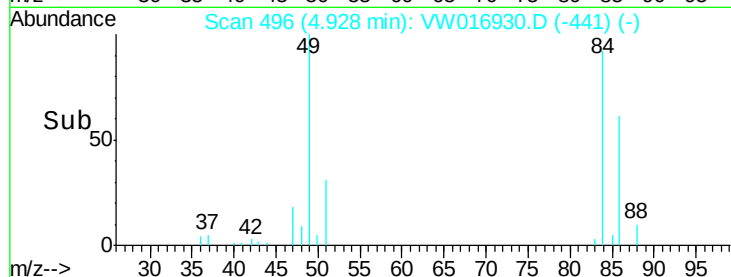
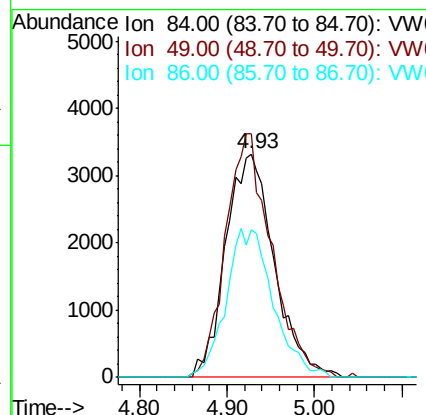
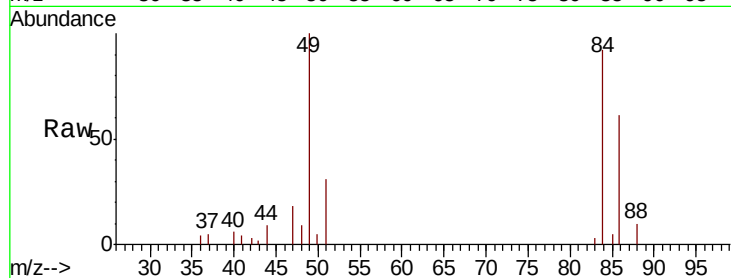
Tot Ion: 84 Resp: 12816

Ion Ratio Lower Upper

84 100

49 109.0 73.1 135.8

86 66.3 46.0 85.4



#35

Trichloroethene

Concen: 0.600 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016930.D

Acq: 16 Oct 2020 16:04

Tgt Ion: 95 Resp: 4562

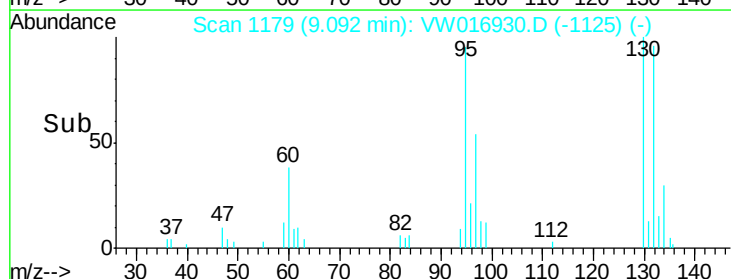
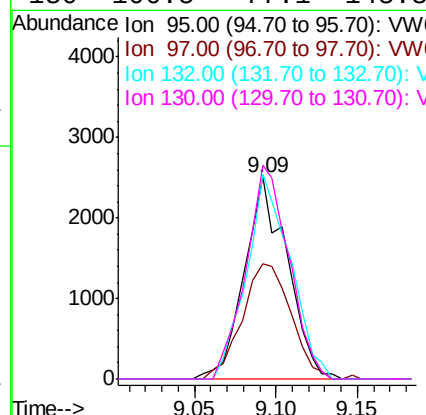
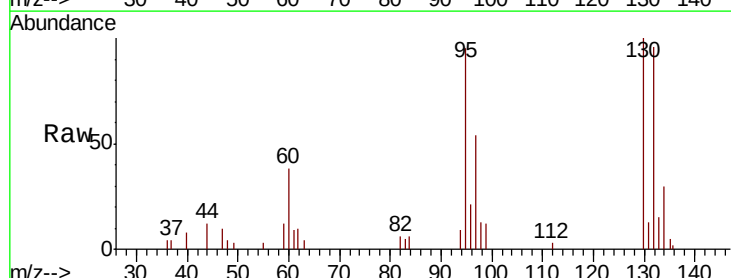
Ion Ratio Lower Upper

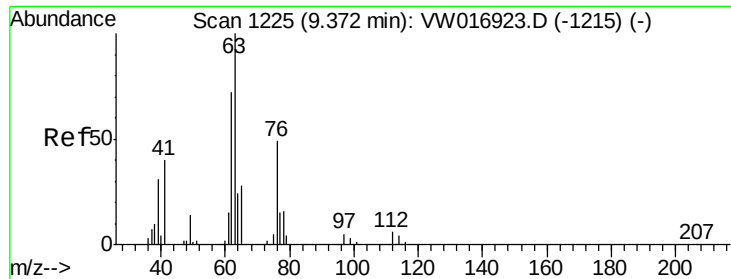
95 100

97 64.9 44.7 83.1

132 103.9 73.8 137.2

130 106.5 77.1 143.3

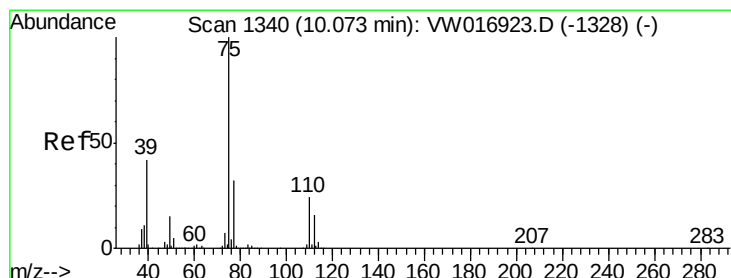
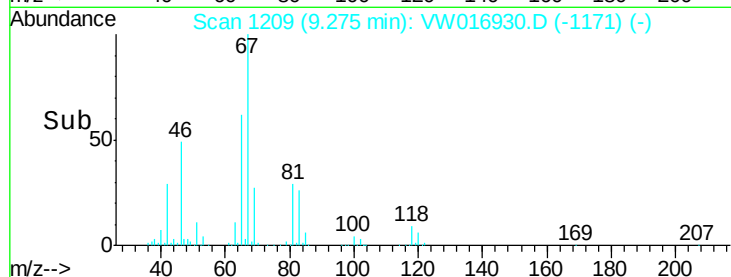
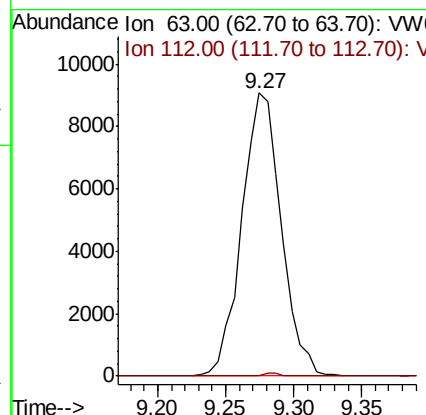
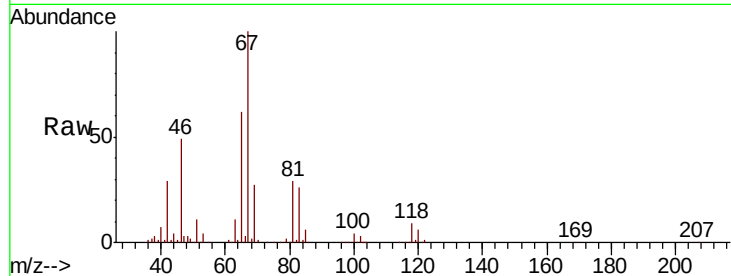




#40  
 1,2-Dichloropropane  
 Concen: 3.033 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW016930.D  
 Acq: 16 Oct 2020 16:04

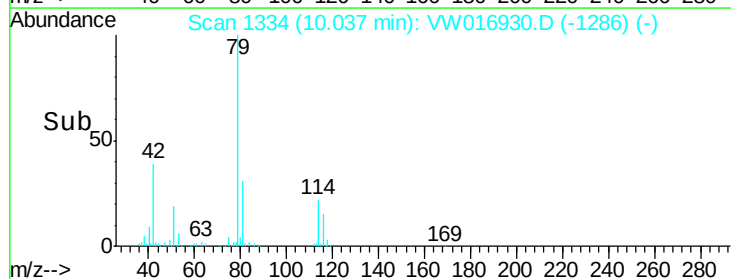
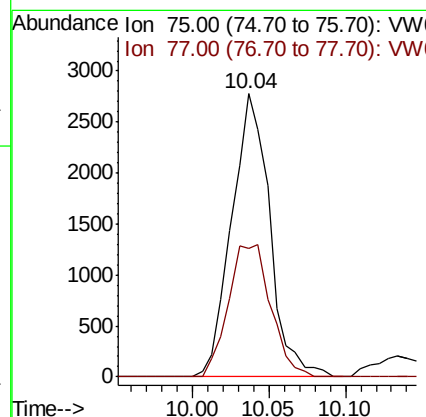
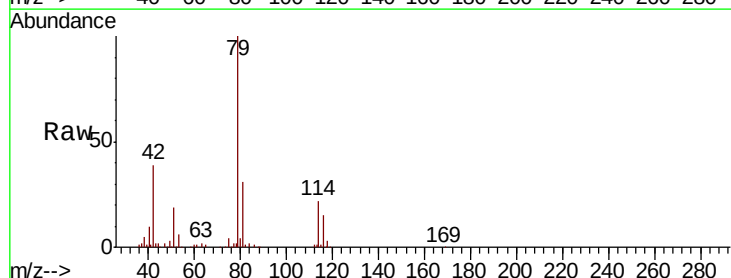
Instrument :  
 MSVOA\_W  
 ClientSampled :

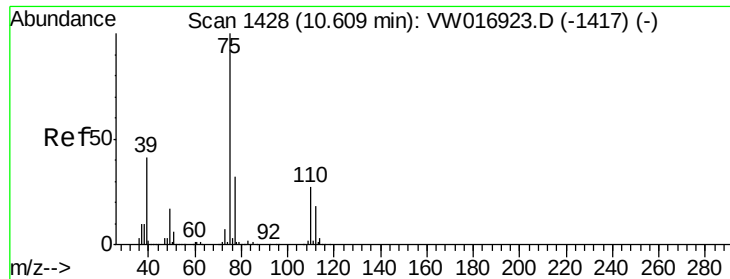
Tot Ion: 63 Resp: 18438  
 Ion Ratio Lower Upper  
 63 100  
 112 0.4 4.5 6.7#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.494 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW016930.D  
 Acq: 16 Oct 2020 16:04

Tgt Ion: 75 Resp: 4786  
 Ion Ratio Lower Upper  
 75 100  
 77 45.4 22.1 41.1#





#45

trans-1,3-Dichloropropene

Concen: 0.348 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW016930.D

Acq: 16 Oct 2020 16:04

Instrument :

MSVOA\_W

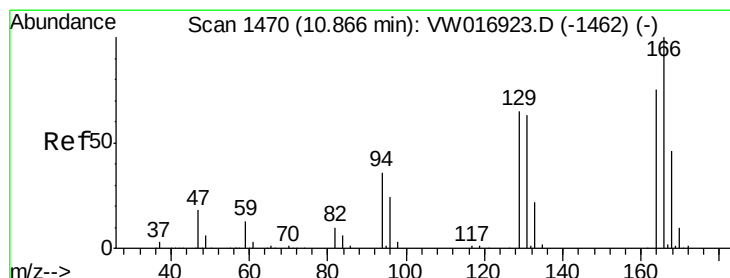
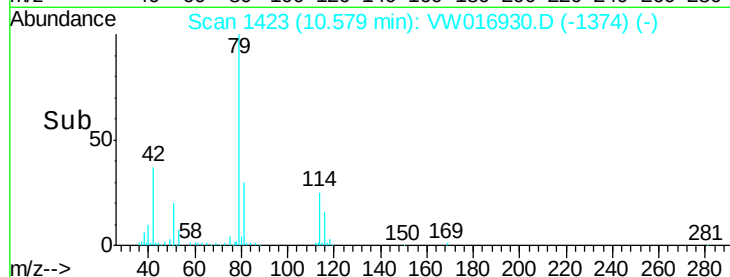
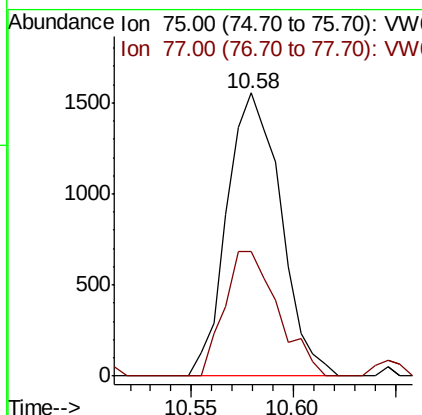
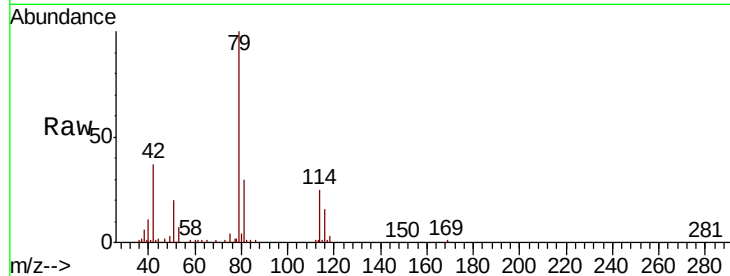
ClientSampleId :

Tot Ion: 75 Resp: 2841

Ion Ratio Lower Upper

75 100

77 44.0 22.2 41.2#



#47

Tetrachloroethene

Concen: 431.012 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016930.D

Acq: 16 Oct 2020 16:04

Tgt Ion:164 Resp: 3038723

Ion Ratio Lower Upper

164 100

129 90.3 61.7 114.7

131 89.5 59.7 110.9

166 133.2 88.3 164.1

