

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092420\  
 Data File : VW016623.D  
 Acq On : 23 Sep 2020 11:01  
 Operator : SY/VA  
 Sample : VW0923SBL01  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK19

Quant Time: Sep 24 04:41:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 24 04:34:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 611564   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 533591   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 268493   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 105210   | 17.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.08% |
| 7) Chloroethane-d5             | 2.90   | 69    | 93502    | 19.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.40% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 170127   | 12.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.40% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 69653    | 43.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.32% |
| 24) Chloroform-d               | 7.65   | 84    | 284261   | 22.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.88% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 151221   | 23.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.12% |
| 29) Benzene-d6                 | 8.28   | 84    | 508047   | 21.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.92% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 149367   | 23.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.12% |
| 37) Toluene-d8                 | 10.33  | 98    | 470054   | 19.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.88% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 68946    | 21.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.36% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 55390    | 46.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 129976   | 23.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 201438   | 23.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.92% |

## Target Compounds

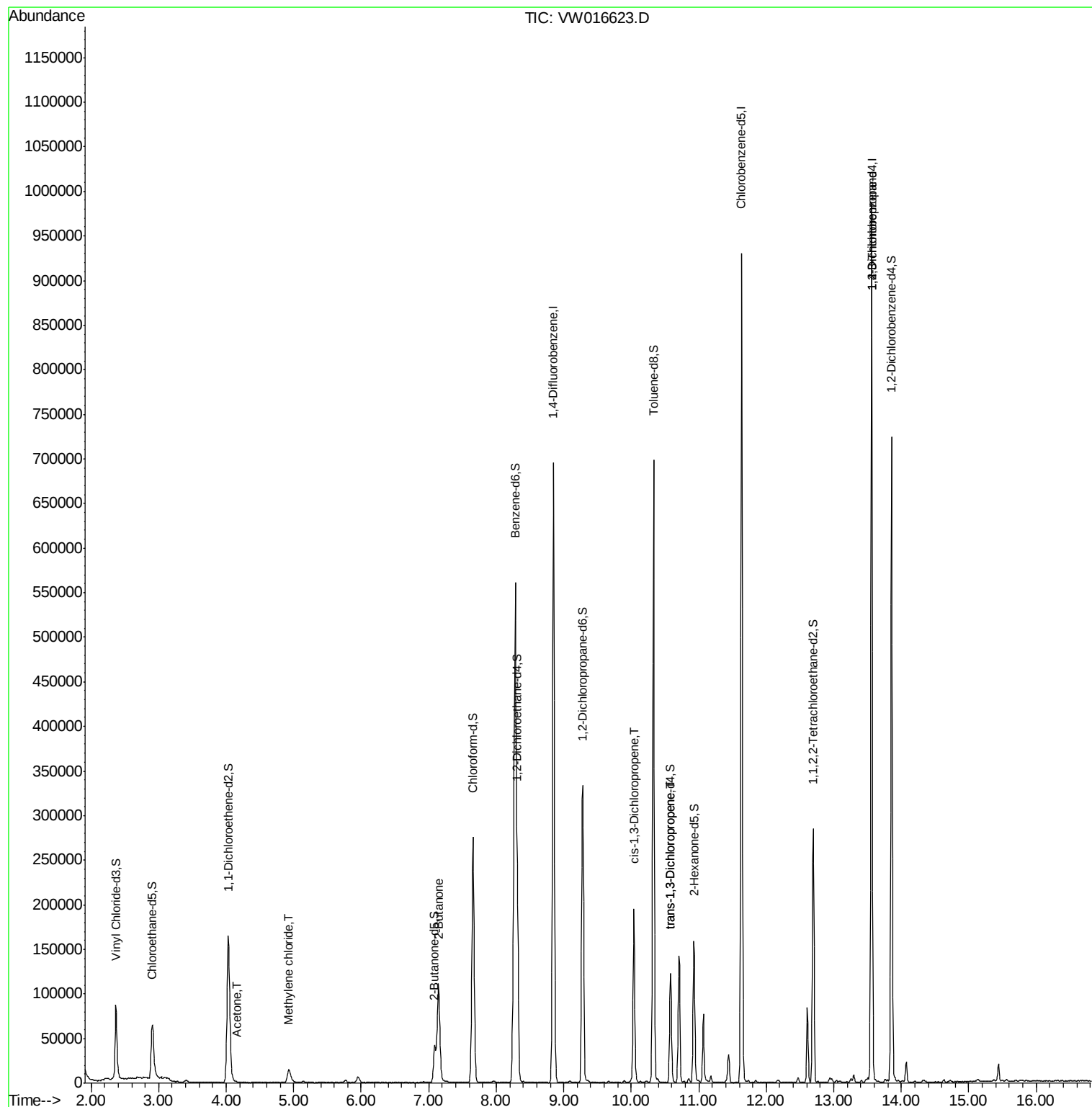
|                               |       |    |       |              | Ovalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.15  | 43 | 1650  | 1.305 ug/L   | 53     |
| 16) Methylene chloride        | 4.93  | 84 | 11688 | 1.239 ug/L   | 94     |
| 21) 2-Butanone                | 7.14  | 43 | 5642  | 2.623 ug/L # | 64     |
| 42) cis-1,3-Dichloropropene   | 10.04 | 75 | 6232  | 0.549 ug/L # | 76     |
| 45) trans-1,3-Dichloropropene | 10.59 | 75 | 3775  | 0.382 ug/L   | 91     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 28381 | 6.081 ug/L   | 91     |

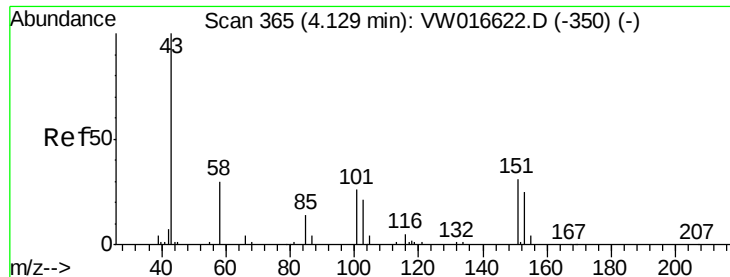
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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Quant Time: Sep 24 04:41:25 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091520S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 24 04:34:20 2020  
Response via : Initial Calibration

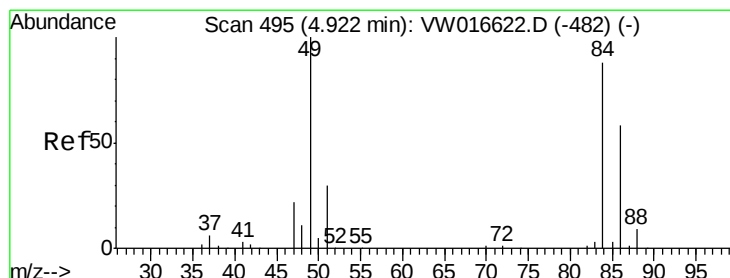
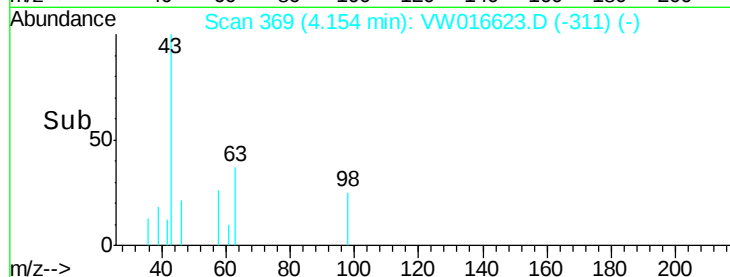
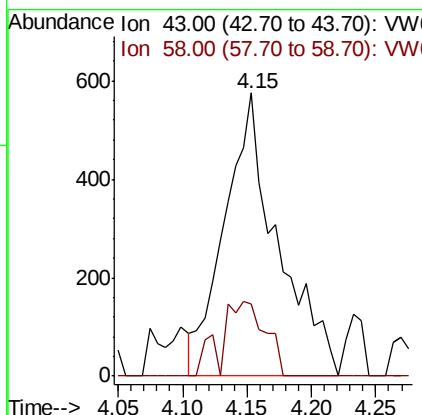
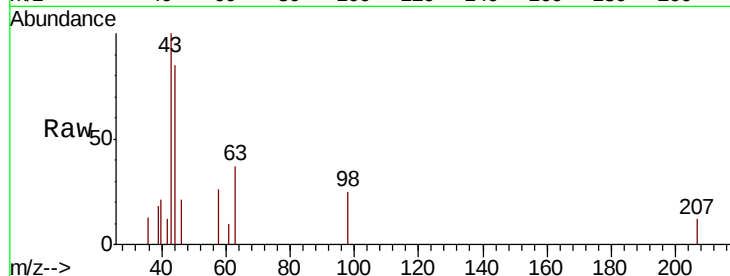




#13  
Acetone  
Concen: 1.305 ug/L  
RT: 4.15 min Scan# 369  
Delta R.T. 0.02 min  
Lab File: VW016623.D  
Acq: 23 Sep 2020 11:01

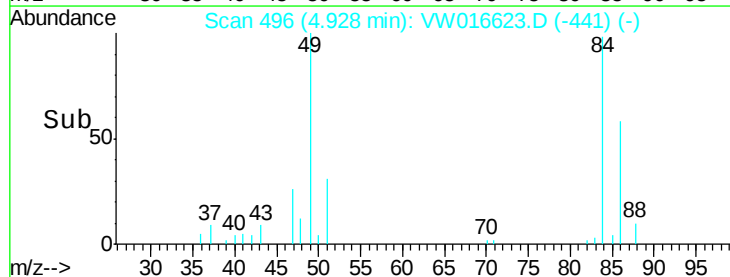
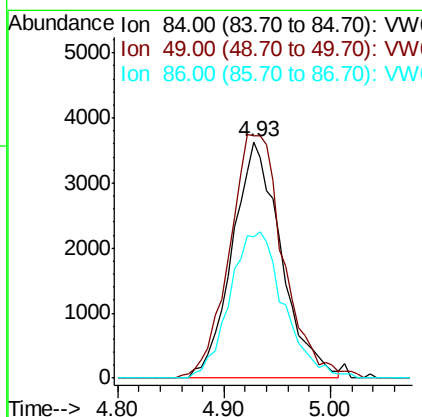
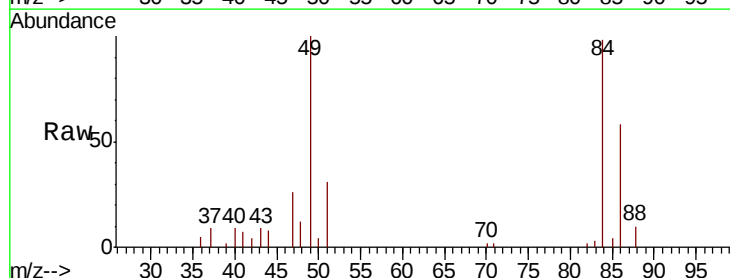
Instrument :  
MSVOA\_W  
ClientSampleId :  
VBLK19

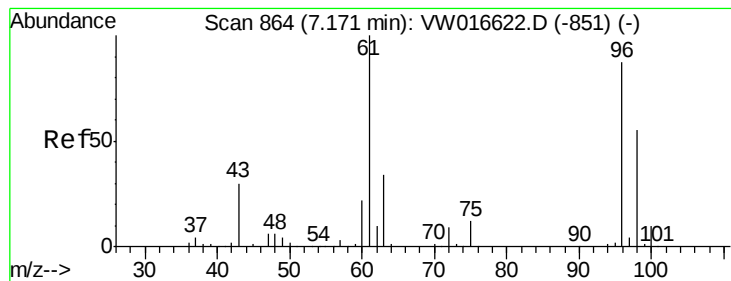
Tot Ion: 43 Resp: 1650  
Ion Ratio Lower Upper  
43 100  
58 4.7 0.0 60.2



#16  
Methylene chloride  
Concen: 1.239 ug/L  
RT: 4.93 min Scan# 496  
Delta R.T. 0.01 min  
Lab File: VW016623.D  
Acq: 23 Sep 2020 11:01

Tgt Ion: 84 Resp: 11688  
Ion Ratio Lower Upper  
84 100  
49 102.4 76.0 141.2  
86 59.8 45.6 84.6





#21

2-Butanone

Concen: 2.623 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW016623.D

Acq: 23 Sep 2020 11:01

Instrument :

MSVOA\_W

ClientSampleId :

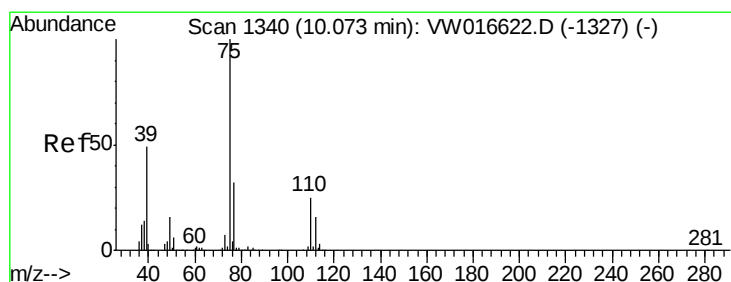
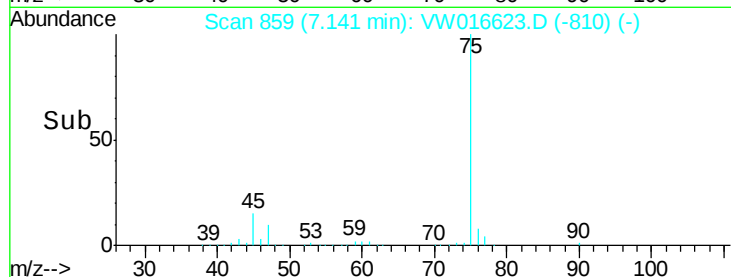
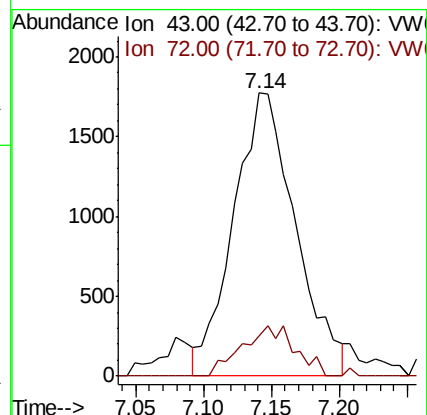
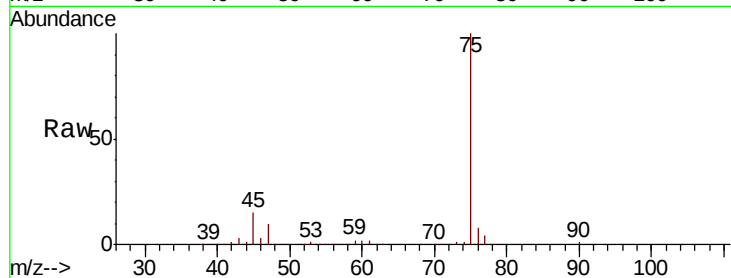
VBLK19

Tot Ion: 43 Resp: 5642

Ion Ratio Lower Upper

43 100

72 10.0 14.6 43.8#



#42

cis-1,3-Dichloropropene

Concen: 0.549 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW016623.D

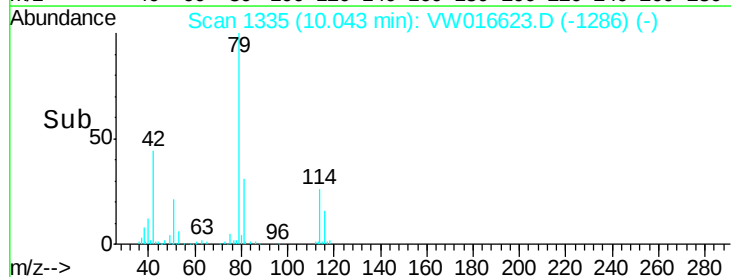
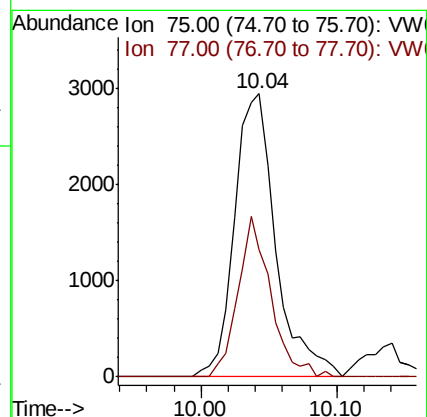
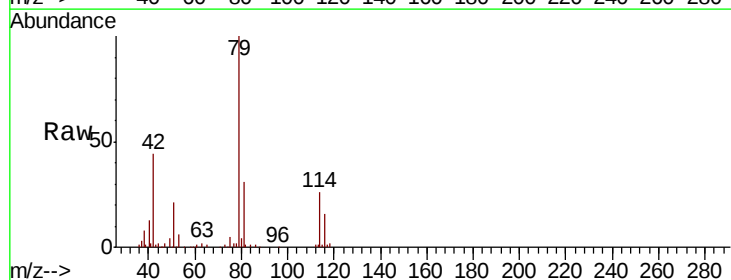
Acq: 23 Sep 2020 11:01

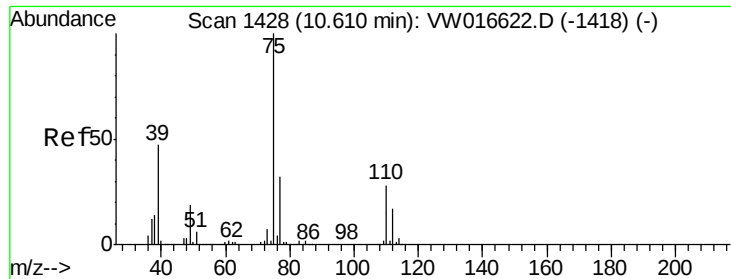
Tgt Ion: 75 Resp: 6232

Ion Ratio Lower Upper

75 100

77 45.0 22.2 41.2#





#45

trans-1,3-Dichloropropene

Concen: 0.382 ug/L

RT: 10.59 min Scan# 1424

Delta R.T. -0.02 min

Lab File: VW016623.D

Acq: 23 Sep 2020 11:01

Instrument :

MSVOA\_W

ClientSampleId :

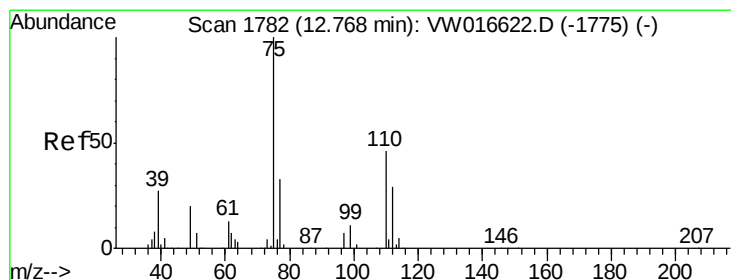
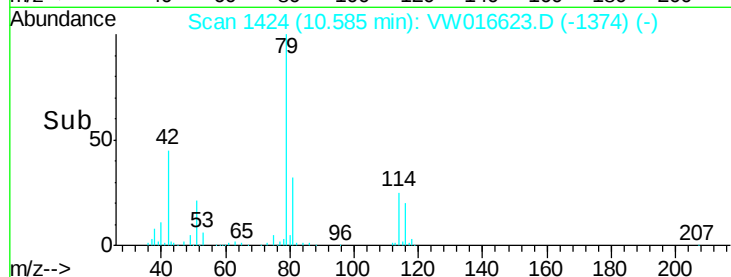
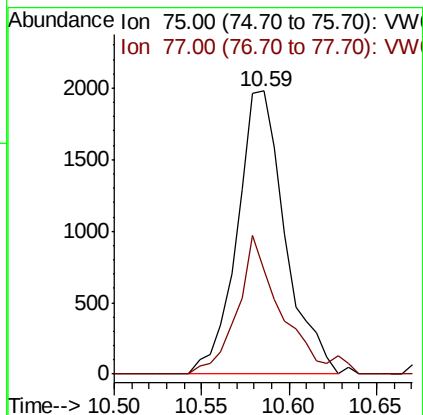
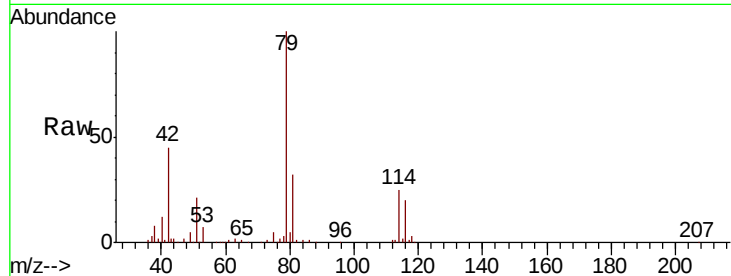
VBLK19

Tot Ion: 75 Resp: 3775

Ion Ratio Lower Upper

75 100

77 37.0 22.5 41.9



#59

1,2,3-Trichloropropane

Concen: 6.081 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW016623.D

Acq: 23 Sep 2020 11:01

Tgt Ion: 75 Resp: 28381

Ion Ratio Lower Upper

75 100

77 38.0 26.2 39.4

