

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
 Data File : VW017579.D  
 Acq On : 07 Dec 2020 15:05  
 Operator : SY/VA  
 Sample : L4955-09  
 Misc : 5.63G/10ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 03:56:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 03:53:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 431368   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 393742   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 167874   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 99691    | 17.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 89124    | 18.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.44%  |
| 10) 1,1-Dichloroethene-d2      | 4.15   | 63    | 125      | 0.01     | ug/L | 0.13    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.04%#  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 61012    | 50.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.98% |
| 24) Chloroform-d               | 7.65   | 84    | 267744   | 21.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.40%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 143167   | 23.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.24%  |
| 29) Benzene-d6                 | 8.27   | 84    | 507836   | 20.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.88%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 152324   | 22.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.96%  |
| 37) Toluene-d8                 | 10.32  | 98    | 454067   | 20.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 61370    | 20.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.00%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42200    | 50.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 114026   | 23.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.60%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 144236   | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.84%  |

## Target Compounds

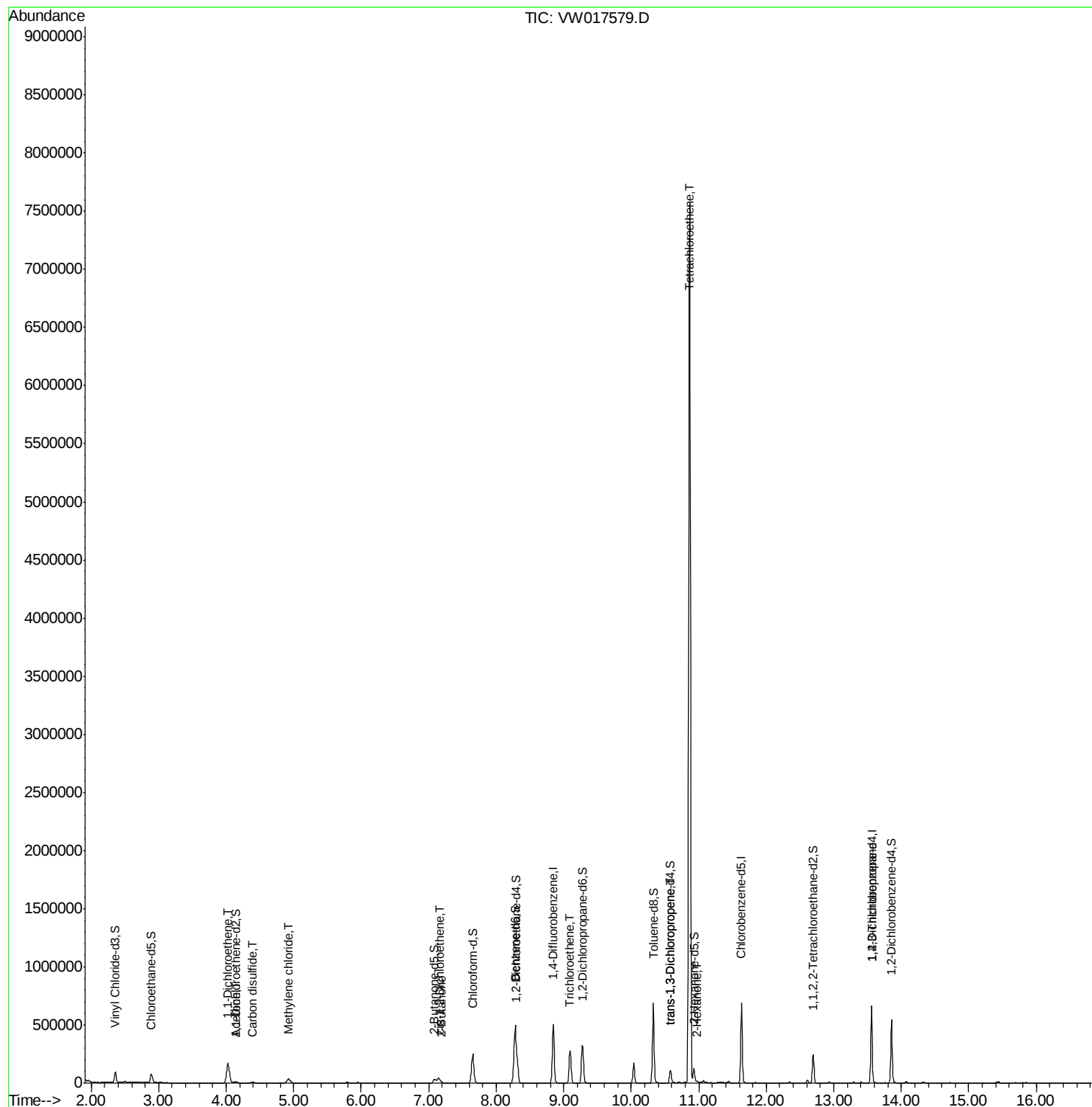
|                               |       |     |         |              | Ovalue |
|-------------------------------|-------|-----|---------|--------------|--------|
| 12) 1,1-Dichloroethene        | 4.03  | 96  | 1606    | 0.269 ug/L # | 1      |
| 13) Acetone                   | 4.14  | 43  | 20859   | 18.115 ug/L  | 94     |
| 14) Carbon disulfide          | 4.39  | 76  | 19383   | 1.133 ug/L # | 92     |
| 16) Methylene chloride        | 4.92  | 84  | 30716   | 4.743 ug/L   | 92     |
| 21) 2-Butanone                | 7.19  | 43  | 5859    | 4.252 ug/L   | 82     |
| 22) cis-1,2-Dichloroethene    | 7.17  | 96  | 1509    | 0.235 ug/L   | 88     |
| 35) Trichloroethene           | 9.09  | 95  | 96885   | 14.767 ug/L  | 98     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75  | 3265    | 0.443 ug/L   | 83     |
| 47) Tetrachloroethene         | 10.87 | 164 | 1696194 | 303.438 ug/L | 95     |
| 49) 2-Hexanone                | 10.98 | 43  | 1174    | 0.650 ug/L # | 75     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75  | 20695   | 6.255 ug/L   | 97     |

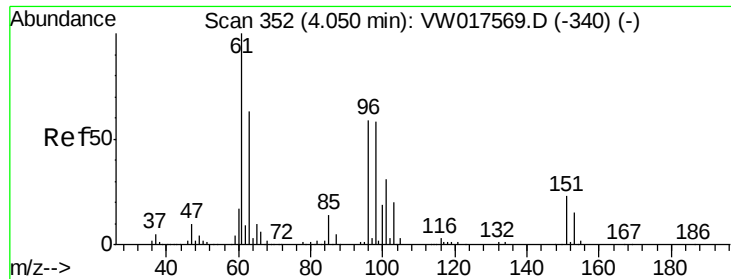
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
Data File : VW017579.D  
Acq On : 07 Dec 2020 15:05  
Operator : SY/VA  
Sample : L4955-09  
Misc : 5.63G/10ML/MSVOA W/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 20 03:56:24 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
Quant Title : VOC Analysis  
QLast Update : Sun Dec 20 03:53:49 2020  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.269 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.02 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA\_W

ClientSampleId :

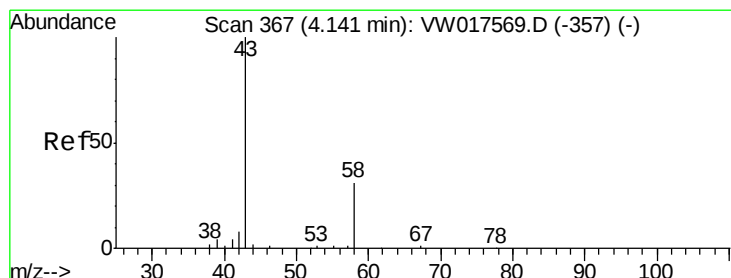
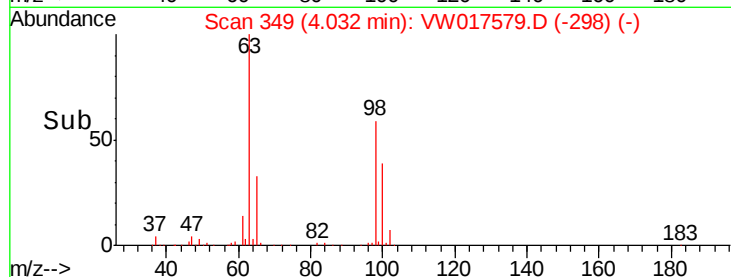
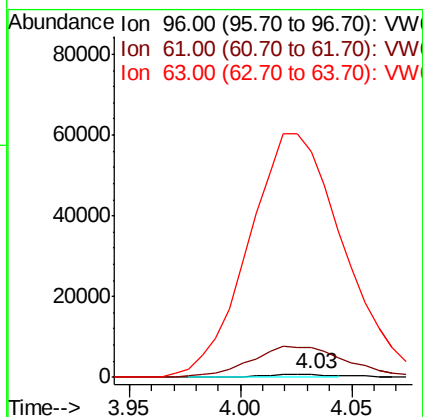
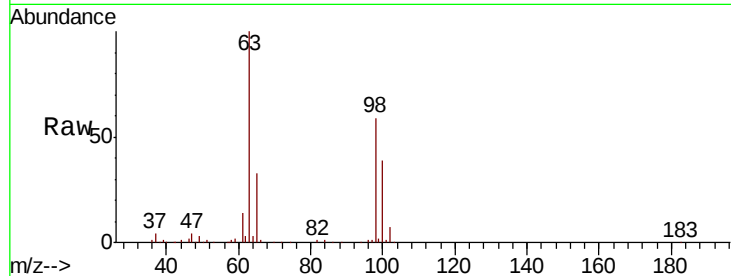
Tot Ion: 96 Resp: 1606

Ion Ratio Lower Upper

96 100

61 909.9 112.5 208.9#

63 6716.1 83.1 154.3#



#13

Acetone

Concen: 18.115 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW017579.D

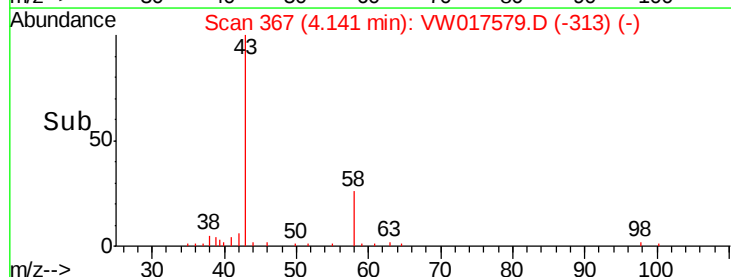
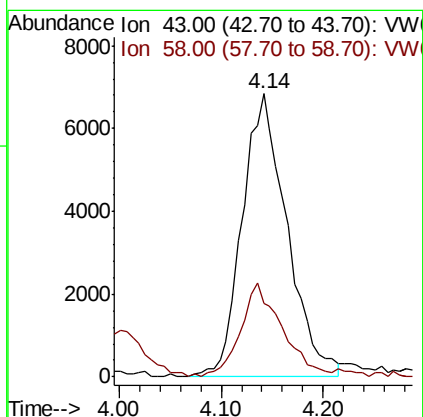
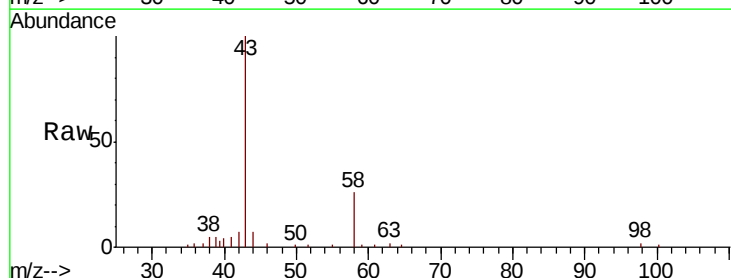
Acq: 07 Dec 2020 15:05

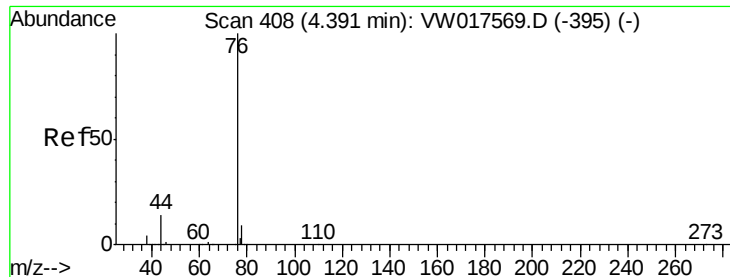
Tgt Ion: 43 Resp: 20859

Ion Ratio Lower Upper

43 100

58 30.5 0.0 68.4





#14

Carbon disulfide

Concen: 1.133 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA\_W

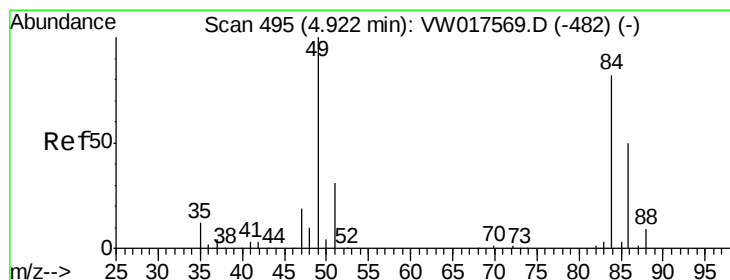
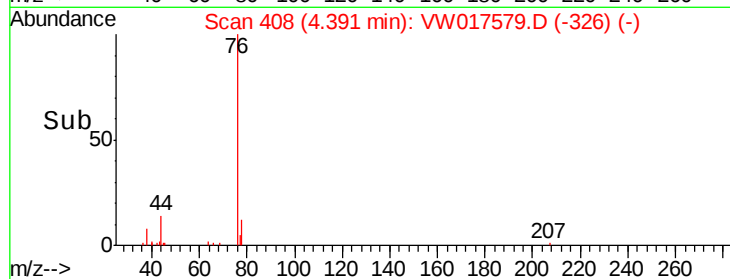
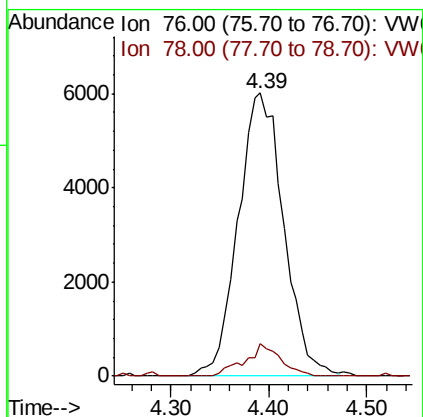
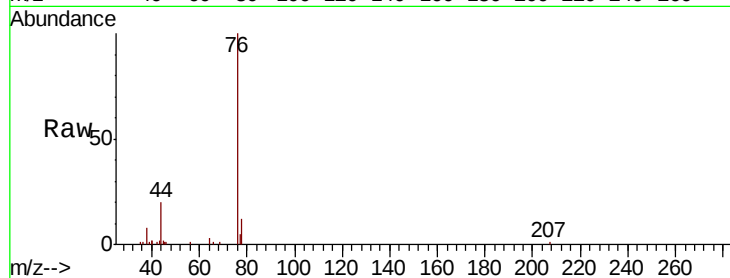
ClientSampleId :

Tot Ion: 76 Resp: 19383

Ion Ratio Lower Upper

76 100

78 11.6 7.0 10.4#



#16

Methylene chloride

Concen: 4.743 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

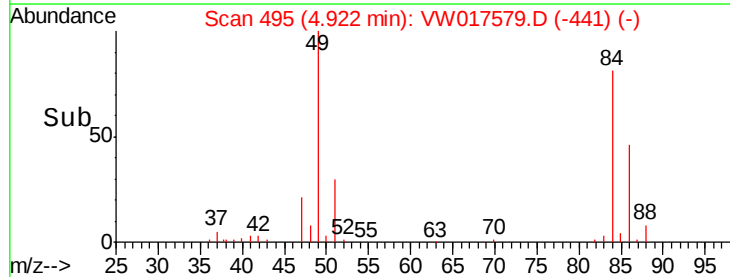
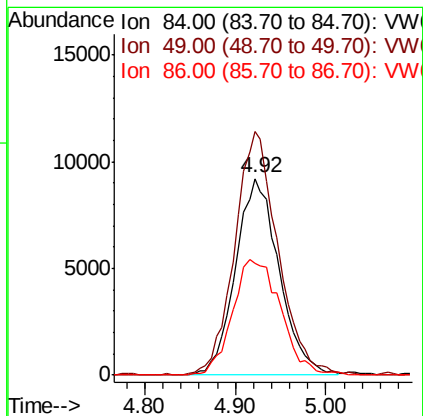
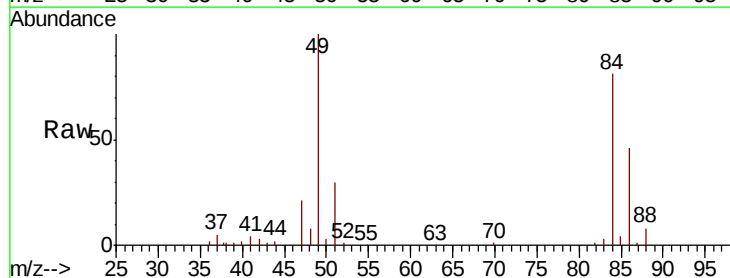
Tgt Ion: 84 Resp: 30716

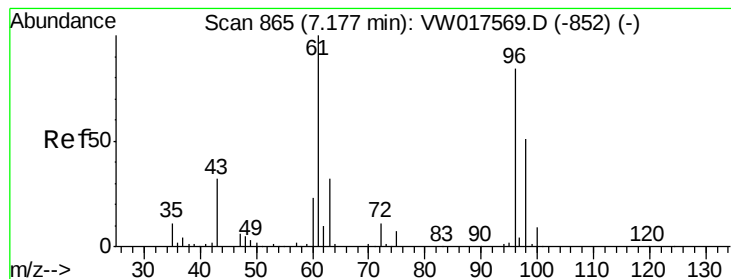
Ion Ratio Lower Upper

84 100

49 124.1 81.2 150.8

86 57.2 44.5 82.7





#21

2-Butanone

Concen: 4.252 ug/L

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA\_W

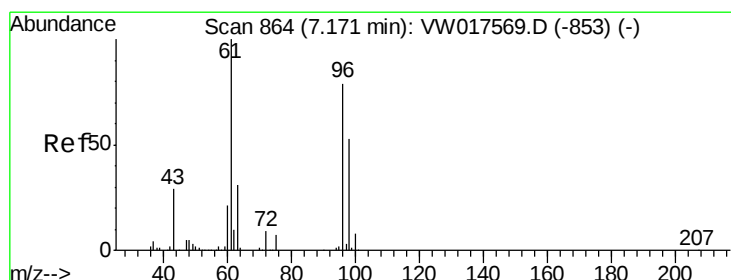
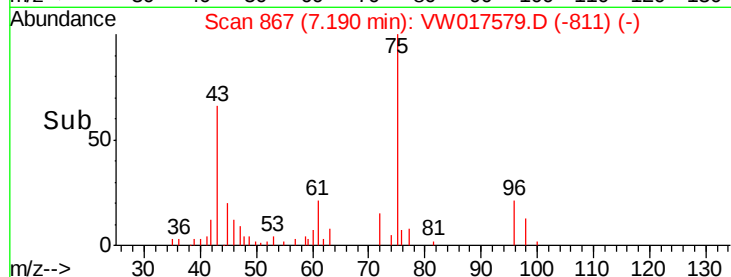
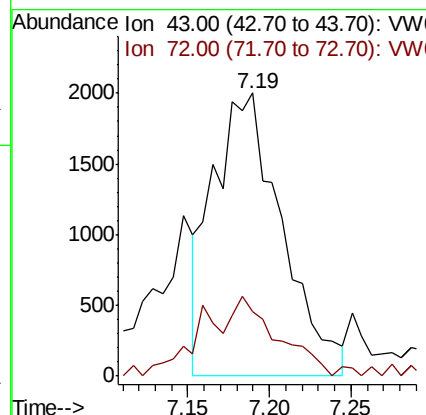
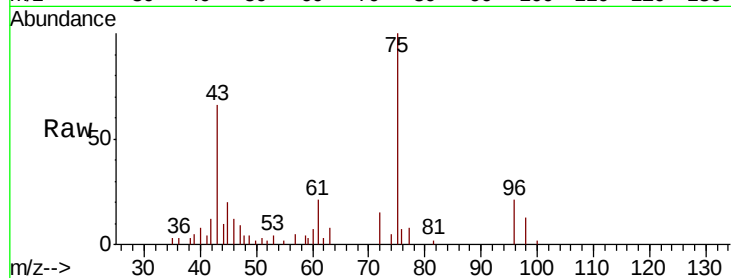
ClientSampled :

Tot Ion: 43 Resp: 5859

Ion Ratio Lower Upper

43 100

72 19.0 14.4 43.2



#22

cis-1,2-Dichloroethene

Concen: 0.235 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

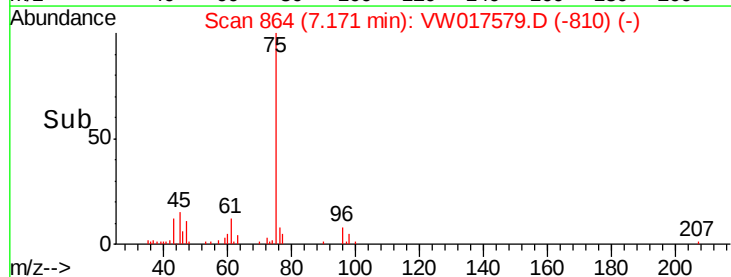
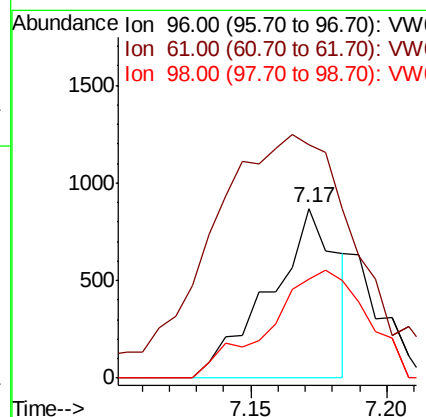
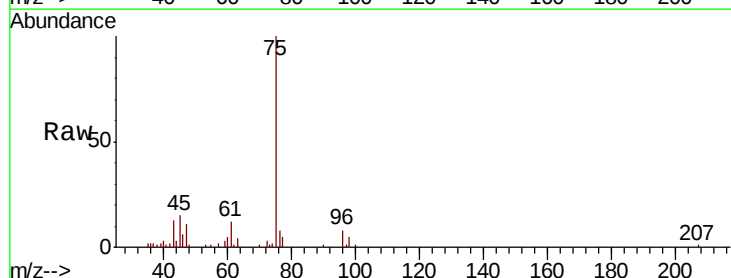
Tgt Ion: 96 Resp: 1509

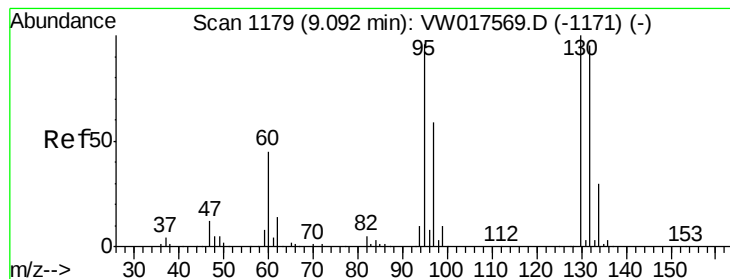
Ion Ratio Lower Upper

96 100

61 137.3 84.6 157.2

98 58.1 44.7 82.9

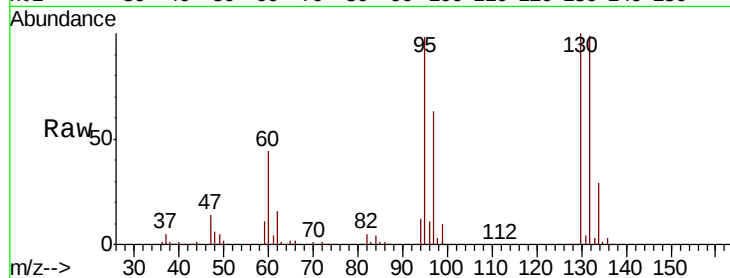




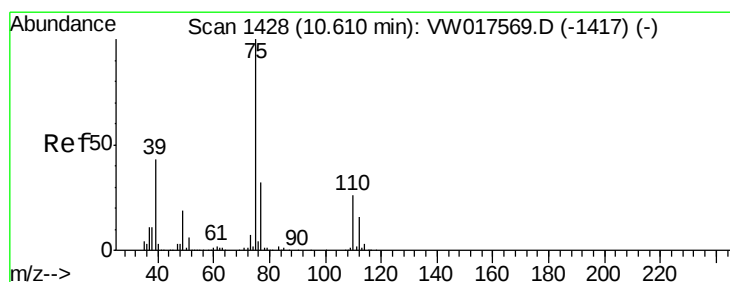
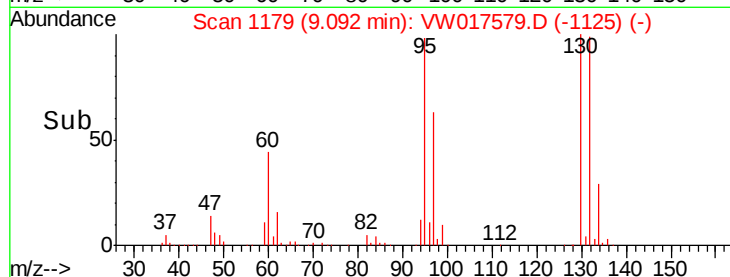
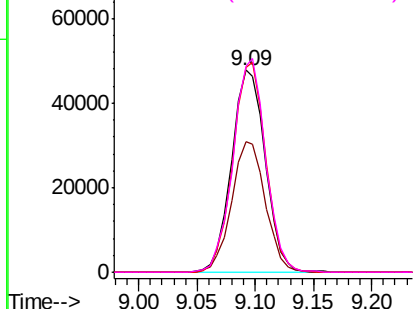
#35  
 Trichloroethene  
 Concen: 14.767 ug/L  
 RT: 9.09 min Scan# 1179  
 Delta R.T. 0.00 min  
 Lab File: VW017579.D  
 Acq: 07 Dec 2020 15:05

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Tot Ion: 95 Resp: 96885  
 Ion Ratio Lower Upper  
 95 100  
 97 64.5 45.0 83.6  
 132 100.8 71.0 131.8  
 130 102.3 75.6 140.4

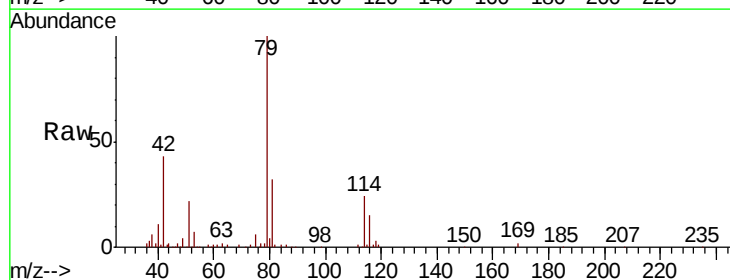


Abundance Ion 95.00 (94.70 to 95.70): VW  
 Ion 97.00 (96.70 to 97.70): VW  
 Ion 132.00 (131.70 to 132.70): V  
 Ion 130.00 (129.70 to 130.70): V

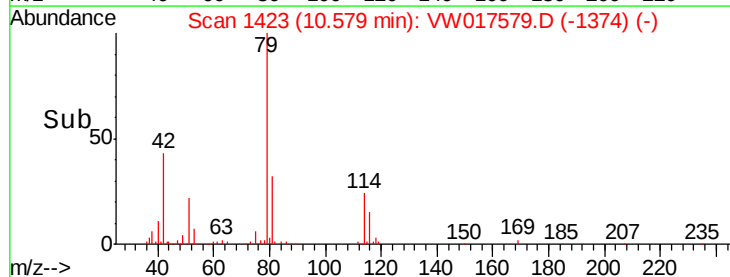
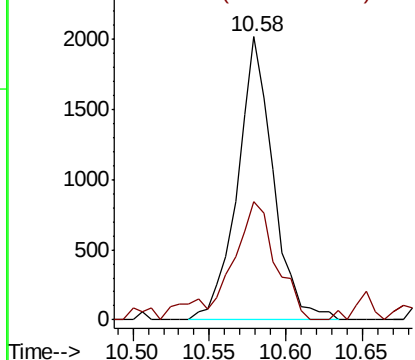


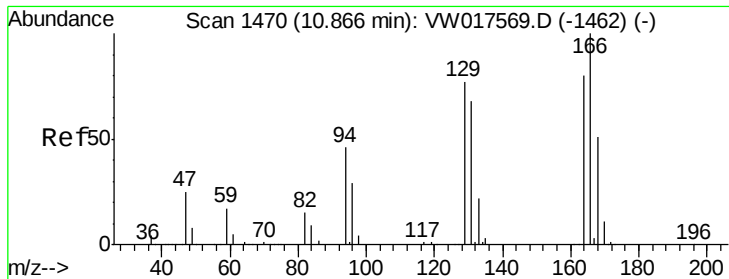
#45  
 trans-1,3-Dichloropropene  
 Concen: 0.443 ug/L  
 RT: 10.58 min Scan# 1423  
 Delta R.T. -0.03 min  
 Lab File: VW017579.D  
 Acq: 07 Dec 2020 15:05

Tgt Ion: 75 Resp: 3265  
 Ion Ratio Lower Upper  
 75 100  
 77 41.6 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW  
 Ion 77.00 (76.70 to 77.70): VW

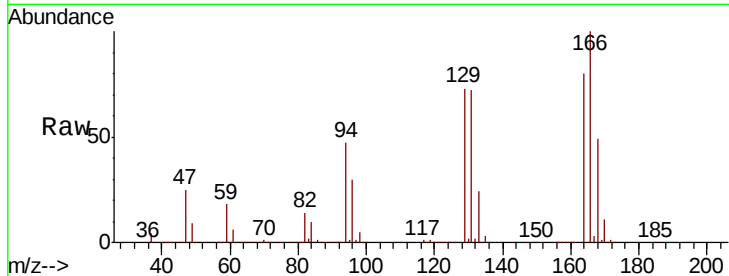




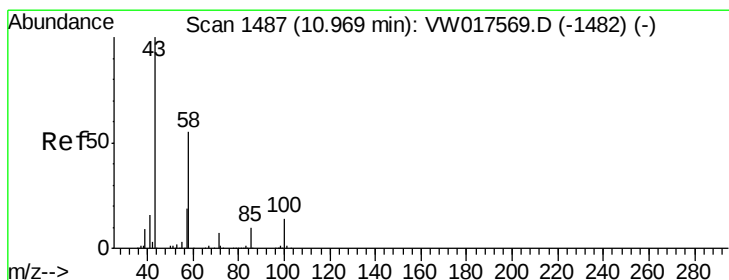
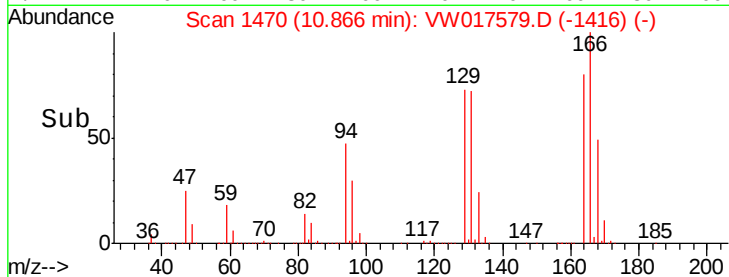
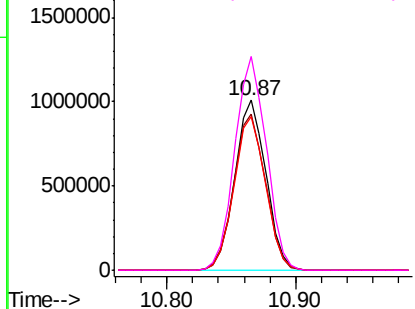
#47  
Tetrachloroethene  
Concen: 303.438 ug/L  
RT: 10.87 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VW017579.D  
Acq: 07 Dec 2020 15:05

Instrument :  
MSVOA\_W  
ClientSampleId :

Tot Ion:164 Resp: 1696194  
Ion Ratio Lower Upper  
164 100  
129 91.6 67.6 125.6  
131 90.2 65.2 121.2  
166 125.6 93.2 173.2

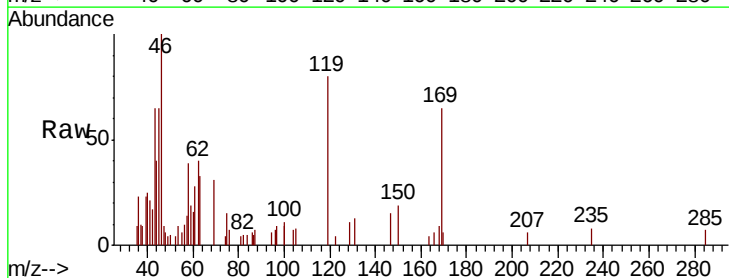


Abundance Ion 164.00 (163.70 to 164.70): V  
2000000  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

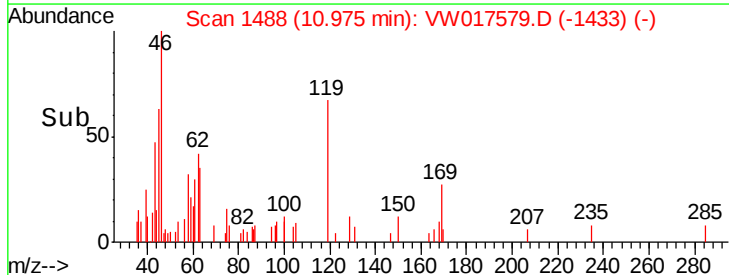
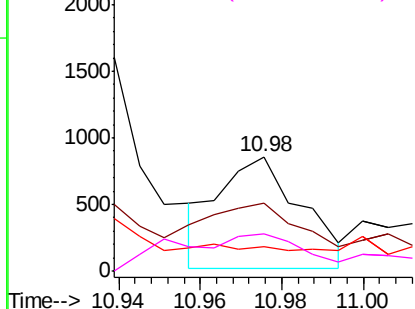


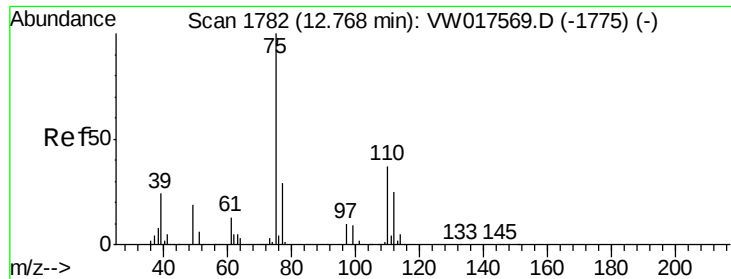
#49  
2-Hexanone  
Concen: 0.650 ug/L  
RT: 10.98 min Scan# 1488  
Delta R.T. 0.01 min  
Lab File: VW017579.D  
Acq: 07 Dec 2020 15:05

Tgt Ion: 43 Resp: 1174  
Ion Ratio Lower Upper  
43 100  
58 80.9 51.3 76.9#  
57 0.0 15.0 22.6#  
100 23.6 12.2 18.2#



Abundance Ion 43.00 (42.70 to 43.70): VW  
2500  
Ion 58.00 (57.70 to 58.70): VW  
Ion 57.00 (56.70 to 57.70): VW  
Ion 100.00 (99.70 to 100.70): VW





#59

1,2,3-Trichloropropane

Concen: 6.255 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017579.D

Acq: 07 Dec 2020 15:05

Instrument :

MSVOA\_W

ClientSampleId :

Tot Ion: 75 Resp: 20695

Ion Ratio Lower Upper

75 100

77 35.0 26.6 39.8

