

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
 Data File : VW009856.D  
 Acq On : 10 Apr 2019 00:06  
 Operator : SY/VA  
 Sample : K2327-13  
 Misc : 6.04G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFOX7

Quant Time: Apr 10 04:47:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 04:42:28 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 459676   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 448496   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 188014   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 120980   | 20.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.44%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 113757   | 20.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 231083   | 17.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.44%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 105766   | 54.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.30% |
| 24) Chloroform-d               | 7.65   | 84    | 325852   | 25.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.92% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 208985   | 27.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.56% |
| 29) Benzene-d6                 | 8.27   | 84    | 593141   | 25.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 100.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 188159   | 25.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 513973   | 23.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.44%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 76401    | 22.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.12%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 67633    | 49.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.68%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 173650   | 25.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 181725   | 27.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.16% |

## Target Compounds

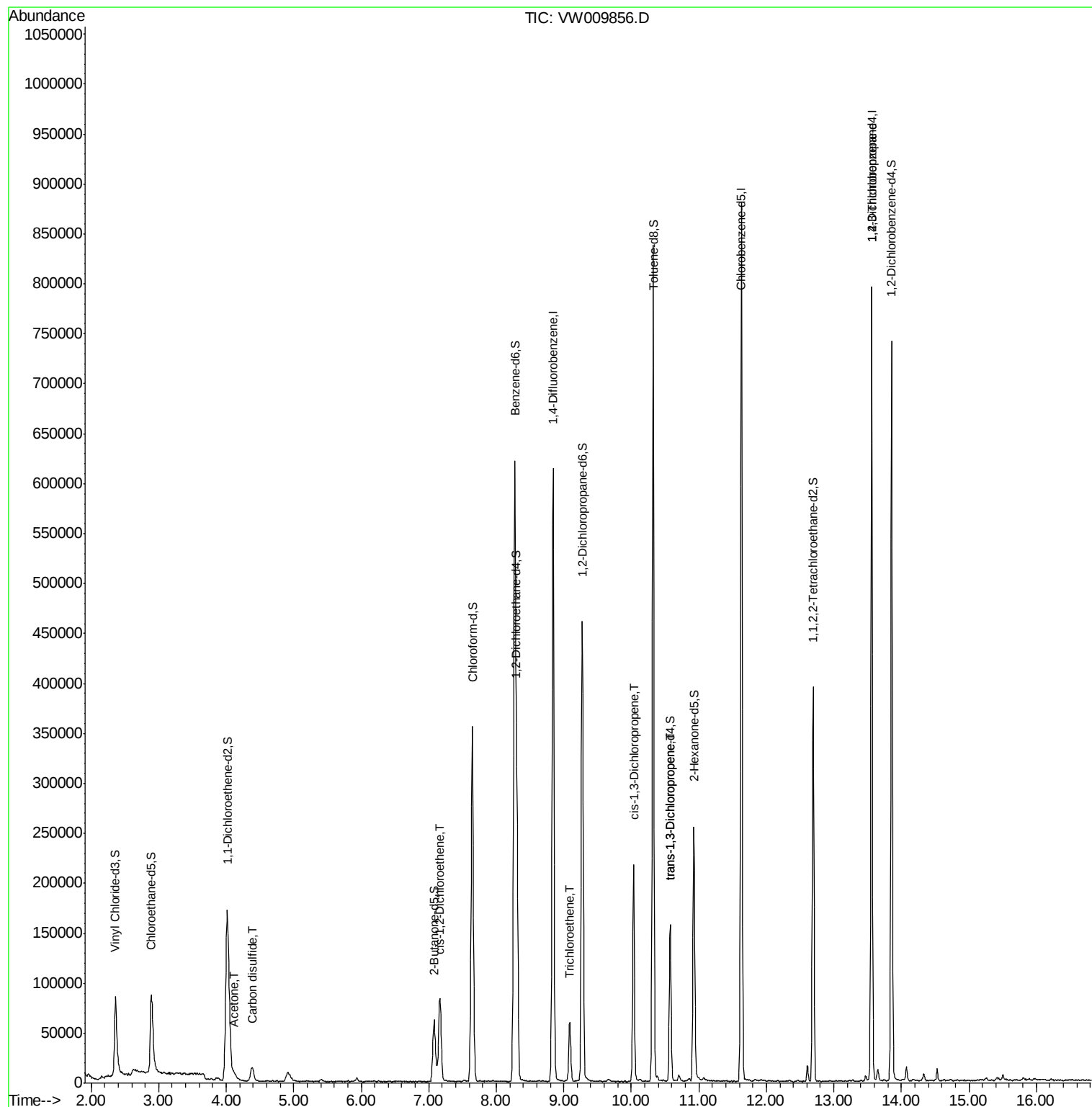
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 7188  | 3.435 ug/L   | 100    |
| 14) Carbon disulfide          | 4.38  | 76 | 28497 | 1.502 ug/L   | 96     |
| 22) cis-1,2-Dichloroethene    | 7.16  | 96 | 45233 | 6.661 ug/L   | 98     |
| 35) Trichloroethene           | 9.09  | 95 | 18708 | 2.649 ug/L   | 99     |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 6395  | 0.598 ug/L # | 79     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 4554  | 0.494 ug/L # | 77     |
| 59) 1,2,3-Trichloropropane    | 13.56 | 75 | 25138 | 4.844 ug/L   | 91     |

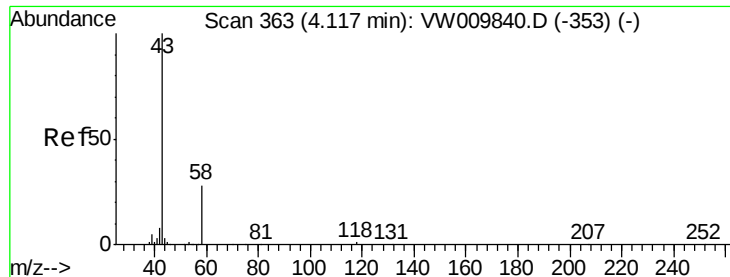
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
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Operator : SY/VA  
Sample : K2327-13  
Misc : 6.04G/10ML/MSVOA\_W/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF0X7

Quant Time: Apr 10 04:47:00 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Apr 10 04:42:28 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 3.435 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW009856.D

Acq: 10 Apr 2019 00:06

Instrument :

MSVOA\_W

ClientSampleId :

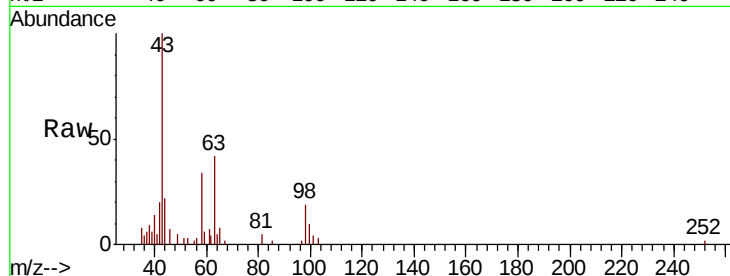
BF0X7

Tgt Ion: 43 Resp: 7188

Ion Ratio Lower Upper

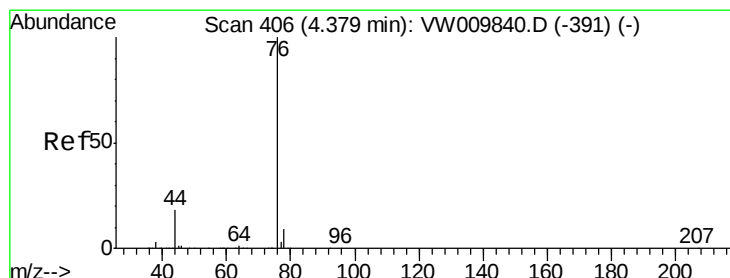
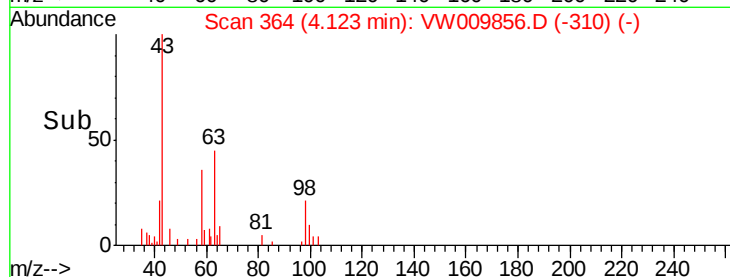
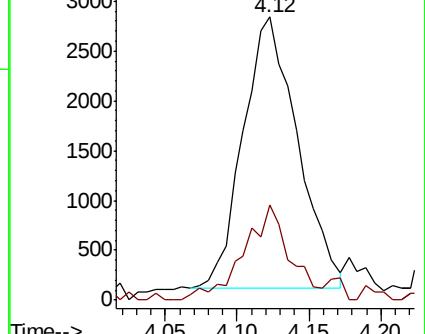
43 100

58 26.5 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.502 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW009856.D

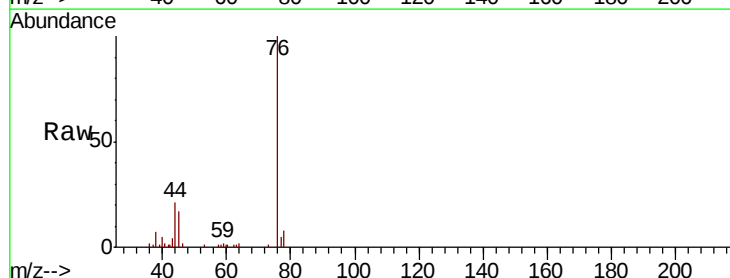
Acq: 10 Apr 2019 00:06

Tgt Ion: 76 Resp: 28497

Ion Ratio Lower Upper

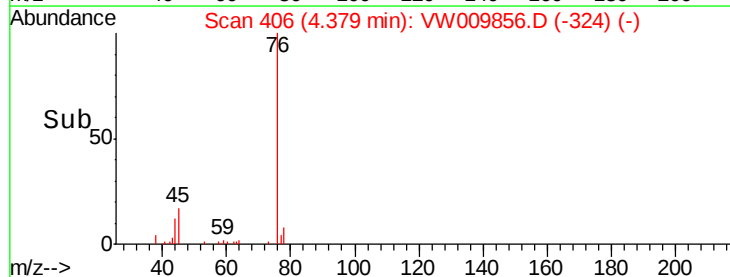
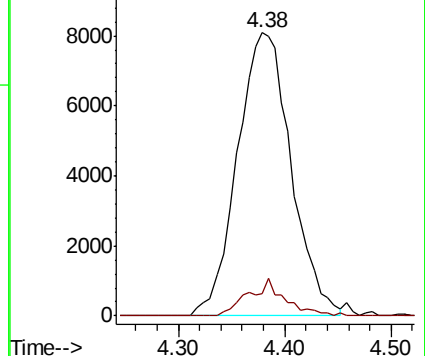
76 100

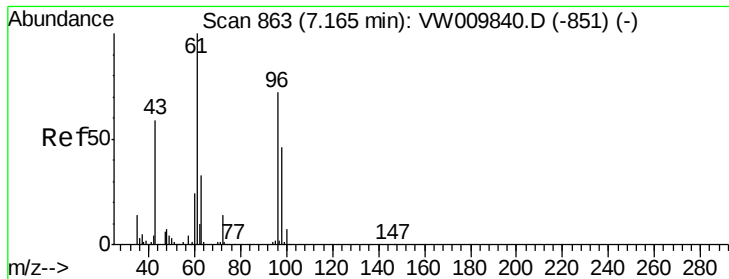
78 7.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



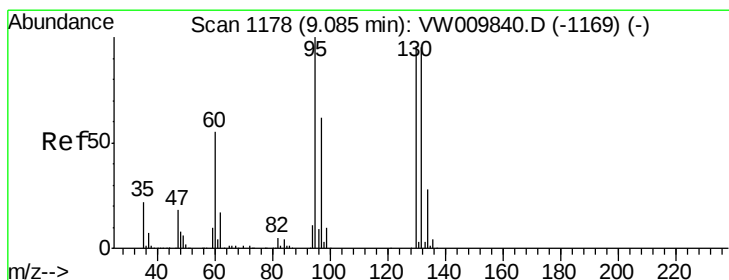
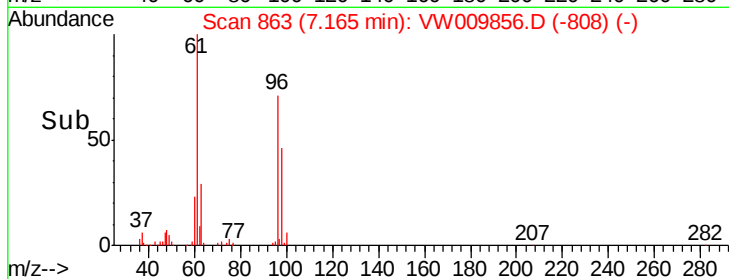
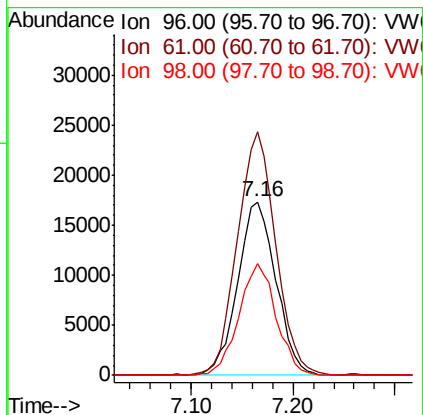
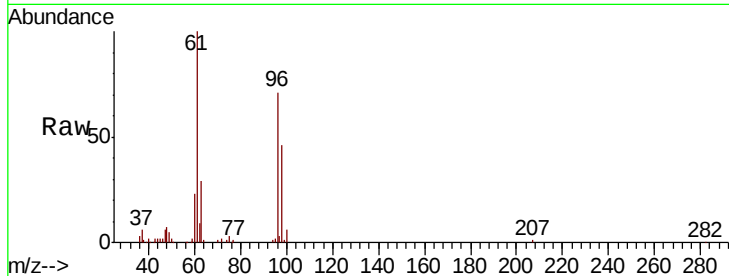


#22

cis-1,2-Dichloroethene  
Concen: 6.661 ug/L  
RT: 7.16 min Scan# 863  
Delta R.T. 0.01 min  
Lab File: VW009856.D  
Acq: 10 Apr 2019 00:06

Instrument :  
MSVOA\_W  
ClientSampleId :  
BF0X7

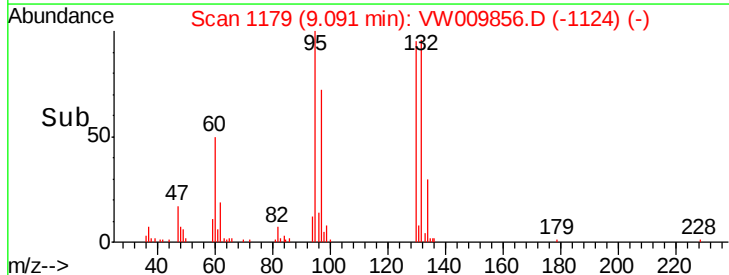
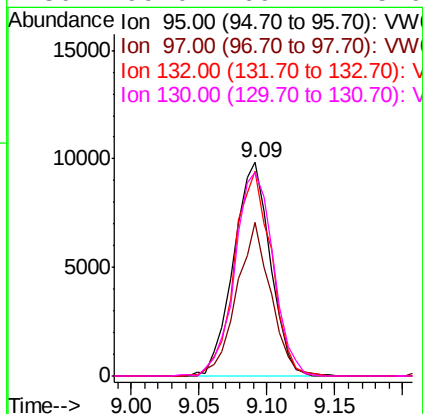
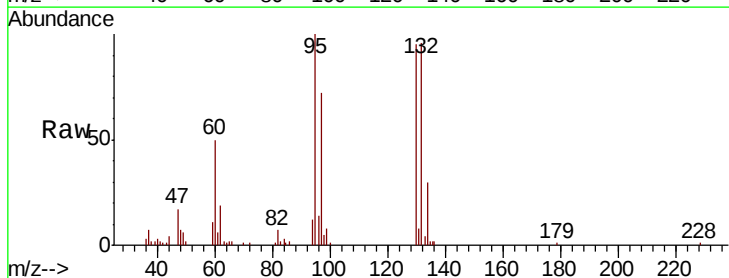
Tgt Ion: 96 Resp: 45233  
Ion Ratio Lower Upper  
96 100  
61 140.5 96.8 179.8  
98 64.3 43.5 80.9

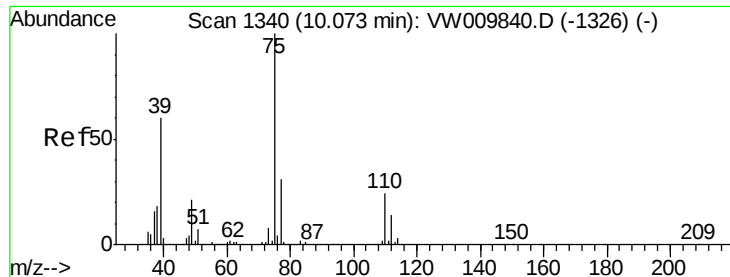


#35

Trichloroethene  
Concen: 2.649 ug/L  
RT: 9.09 min Scan# 1179  
Delta R.T. 0.01 min  
Lab File: VW009856.D  
Acq: 10 Apr 2019 00:06

Tgt Ion: 95 Resp: 18708  
Ion Ratio Lower Upper  
95 100  
97 66.0 44.9 83.5  
132 96.1 67.1 124.7  
130 99.0 69.2 128.6





#42

cis-1,3-Dichloropropene

Concen: 0.598 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009856.D

Acq: 10 Apr 2019 00:06

Instrument :

MSVOA\_W

ClientSampled :

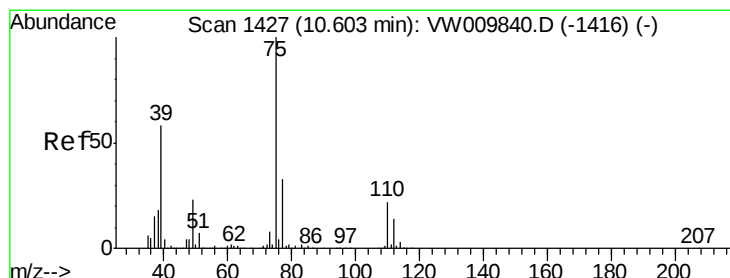
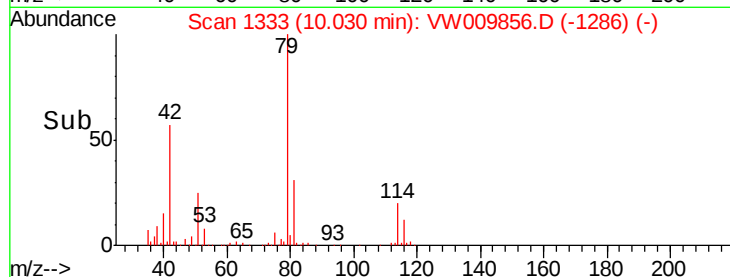
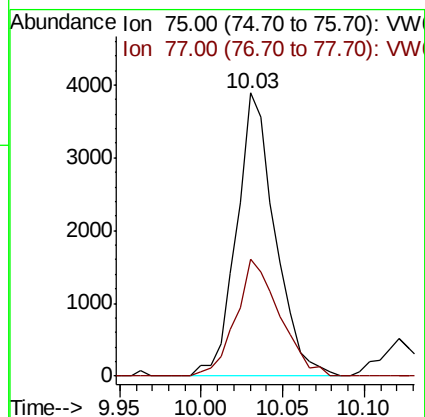
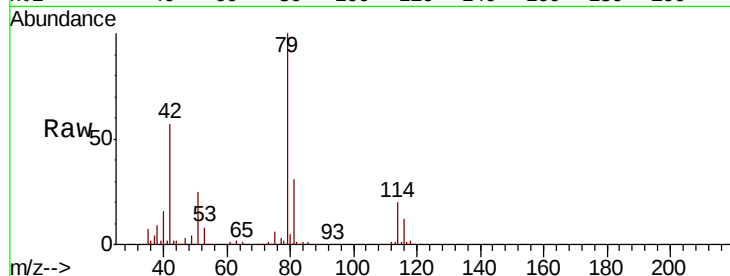
BF0X7

Tgt Ion: 75 Resp: 6395

Ion Ratio Lower Upper

75 100

77 41.5 21.0 39.0#



#45

trans-1,3-Dichloropropene

Concen: 0.494 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009856.D

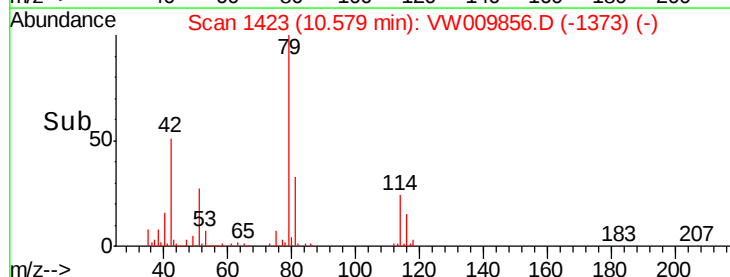
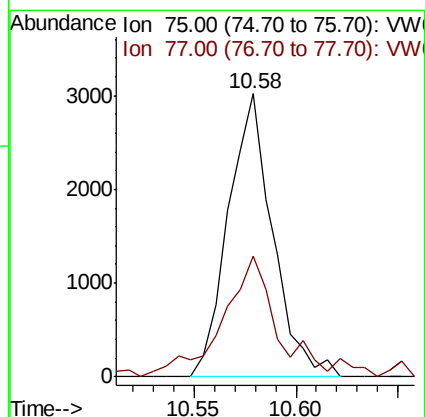
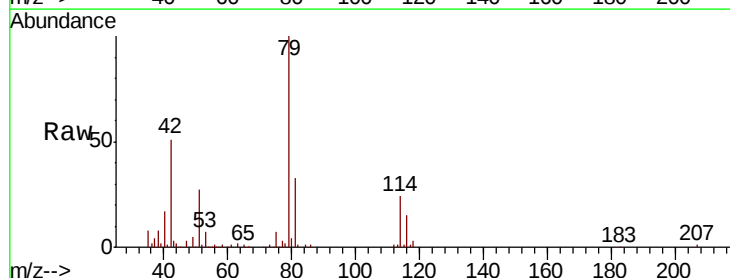
Acq: 10 Apr 2019 00:06

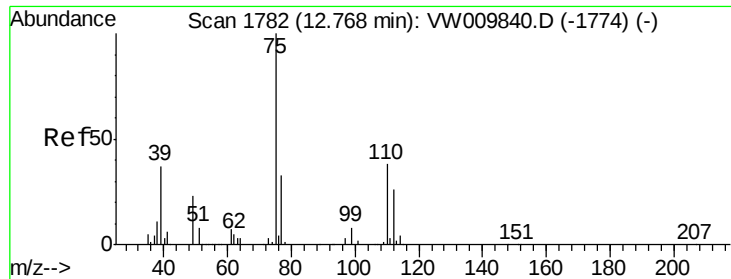
Tgt Ion: 75 Resp: 4554

Ion Ratio Lower Upper

75 100

77 42.8 21.1 39.3#





#59

1,2,3-Trichloropropane

Concen: 4.844 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW009856.D

Acq: 10 Apr 2019 00:06

Instrument :

MSVOA\_W

ClientSampleId :

BF0X7

Tgt Ion: 75 Resp: 25138

Ion Ratio Lower Upper

75 100

77 37.6 26.2 39.2

