

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW032219\  
 Data File : VW009342.D  
 Acq On : 22 Mar 2019 12:13  
 Operator : SY/VA  
 Sample : K2048-03  
 Misc : 5.59G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0F4

Quant Time: Mar 23 00:17:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 00:14:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 427617   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 409703   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 188794   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 116413   | 22.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.12% |
| 7) Chloroethane-d5             | 2.89   | 69    | 114673   | 19.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.72% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 185056   | 16.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.04% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 68779    | 32.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.10% |
| 24) Chloroform-d               | 7.65   | 84    | 267291   | 22.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.60% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 148827   | 21.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.68% |
| 29) Benzene-d6                 | 8.27   | 84    | 492543   | 21.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.20% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 149956   | 22.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.40% |
| 37) Toluene-d8                 | 10.32  | 98    | 440595   | 21.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 64375    | 18.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.56% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 49657    | 30.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 122771   | 18.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 73.48% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 162985   | 22.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.04% |

## Target Compounds

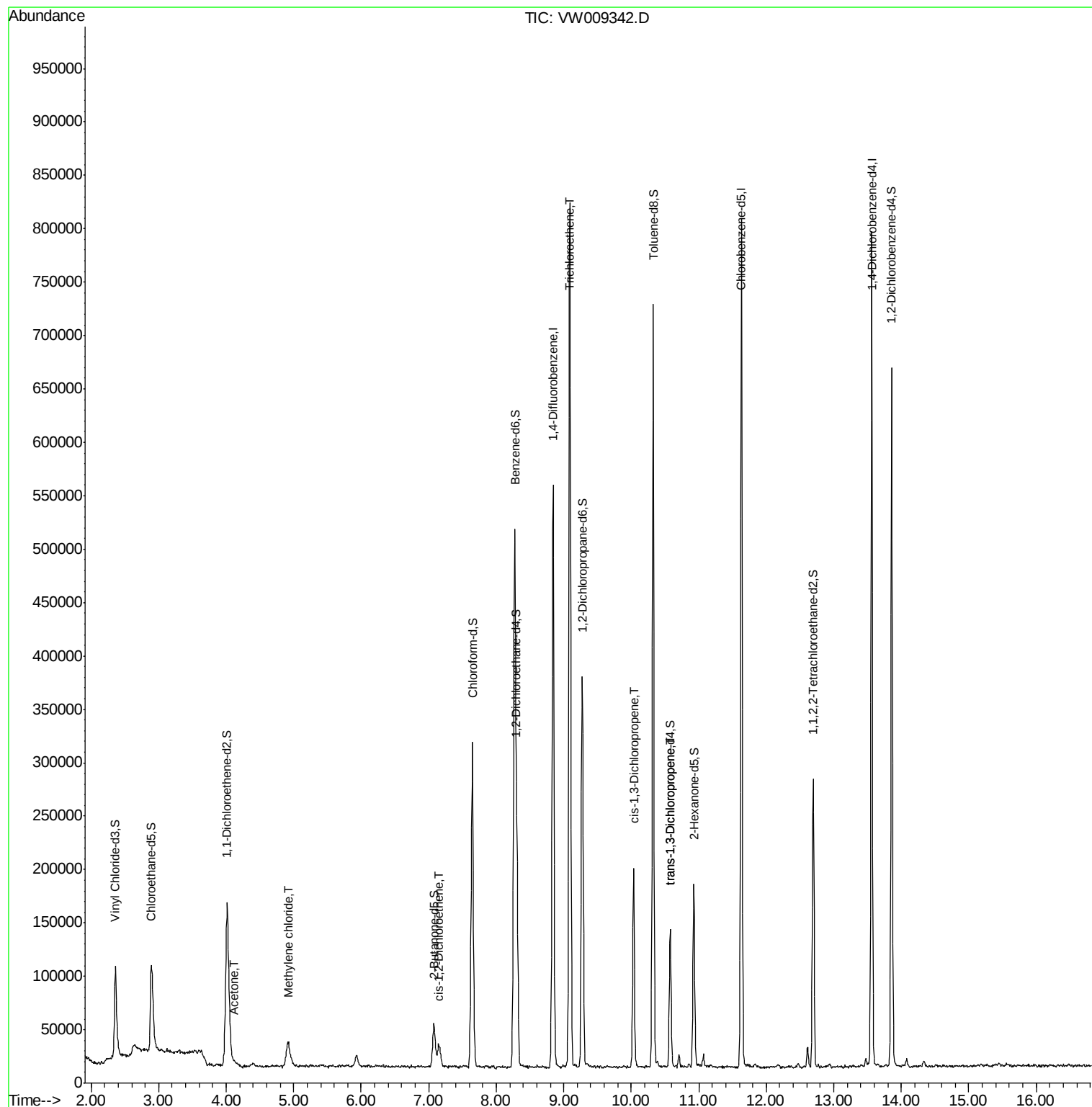
|                               |       |    |        |              | Qvalue |
|-------------------------------|-------|----|--------|--------------|--------|
| 13) Acetone                   | 4.12  | 43 | 4407   | 2.543 ug/L   | 60     |
| 16) Methylene chloride        | 4.92  | 84 | 19728  | 3.164 ug/L   | 87     |
| 22) cis-1,2-Dichloroethene    | 7.16  | 96 | 4546   | 0.758 ug/L   | 93     |
| 35) Trichloroethene           | 9.09  | 95 | 256541 | 42.933 ug/L  | 98     |
| 42) cis-1,3-Dichloropropene   | 10.03 | 75 | 5709   | 0.609 ug/L   | 93     |
| 45) trans-1,3-Dichloropropene | 10.58 | 75 | 3760   | 0.461 ug/L # | 79     |

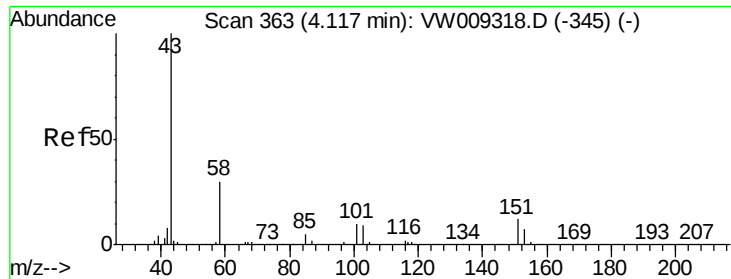
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 23 00:17:20 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 23 00:14:14 2019  
Response via : Initial Calibration





#13

Acetone

Concen: 2.543 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009342.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA\_W

ClientSampleId :

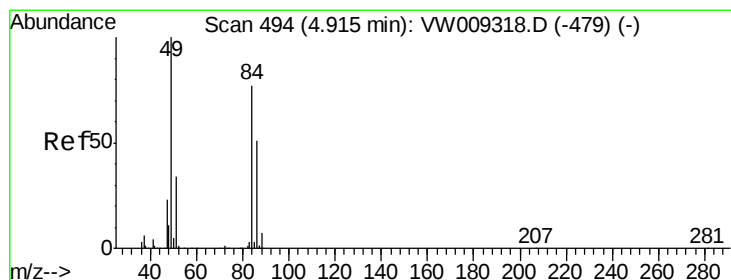
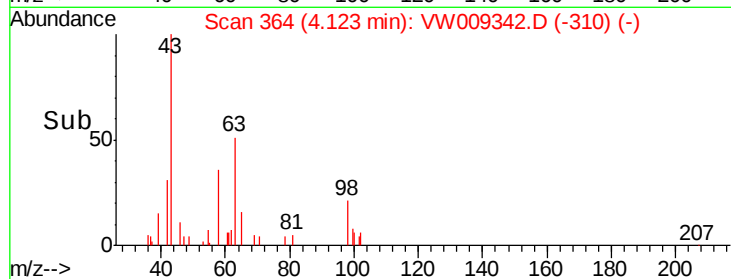
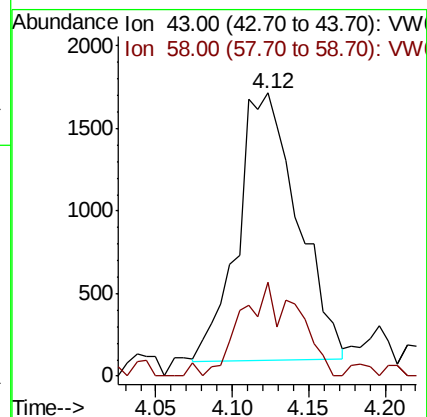
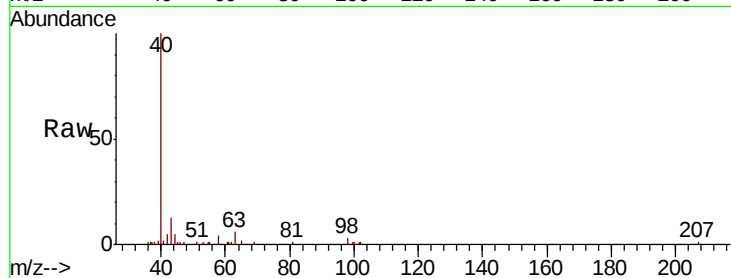
BF0F4

Tgt Ion: 43 Resp: 4407

Ion Ratio Lower Upper

43 100

58 7.2 0.0 56.2



#16

Methylene chloride

Concen: 3.164 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW009342.D

Acq: 22 Mar 2019 12:13

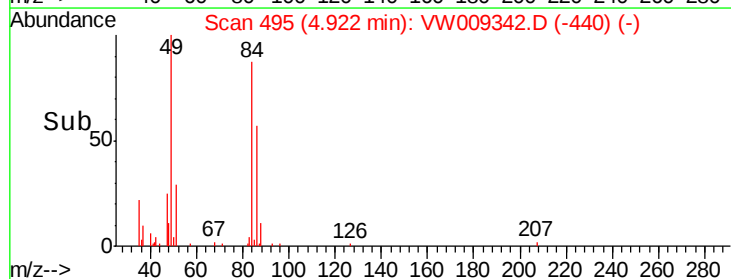
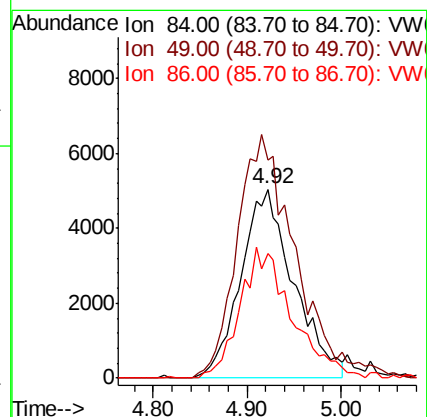
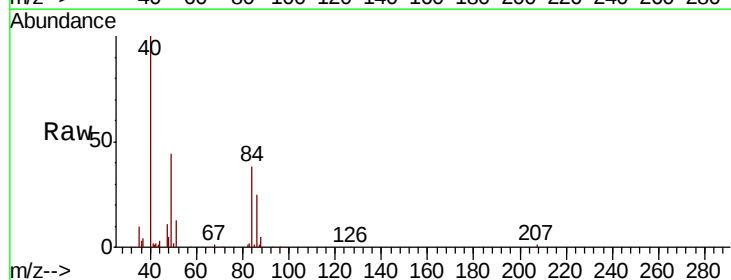
Tgt Ion: 84 Resp: 19728

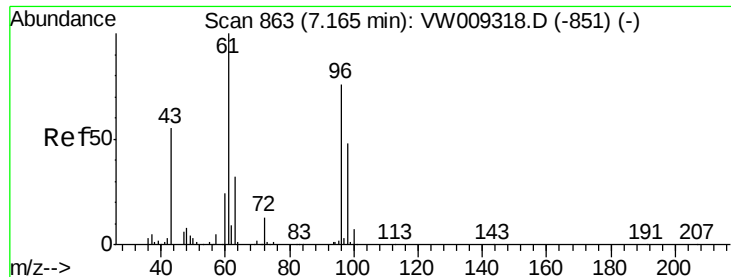
Ion Ratio Lower Upper

84 100

49 115.5 96.0 178.2

86 66.3 44.4 82.5



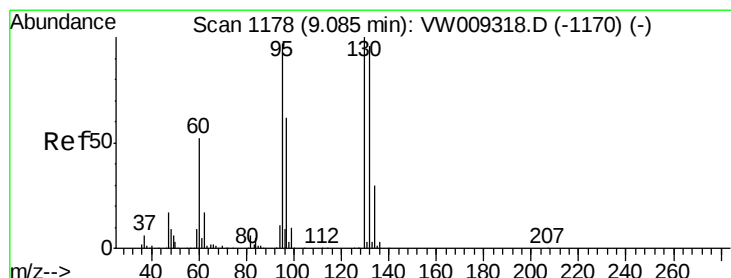
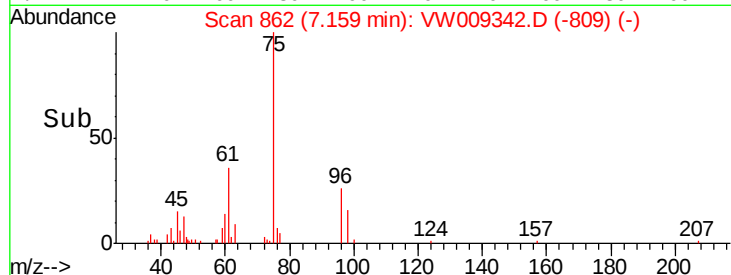
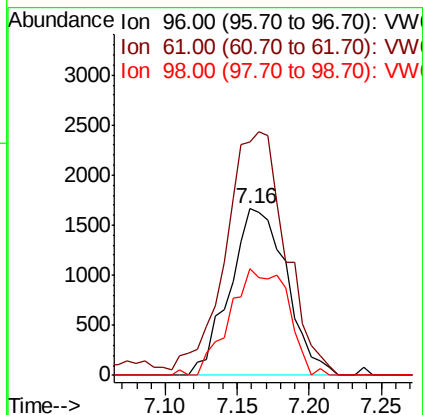
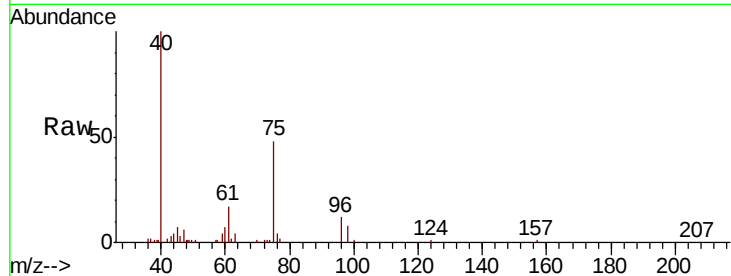


#22

cis-1,2-Dichloroethene  
 Concen: 0.758 ug/L  
 RT: 7.16 min Scan# 862  
 Delta R.T. -0.01 min  
 Lab File: VW009342.D  
 Acq: 22 Mar 2019 12:13

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 BF0F4

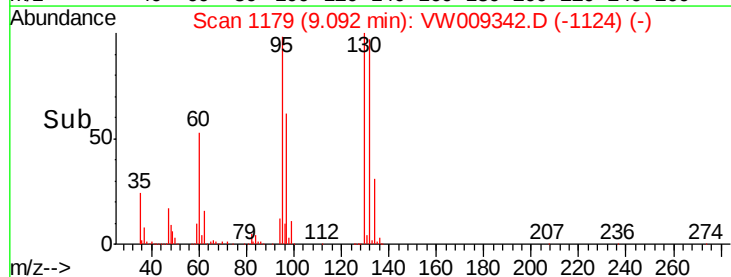
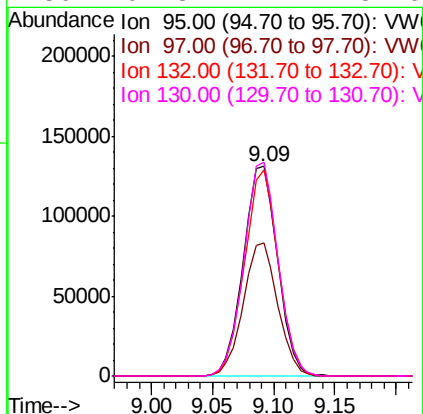
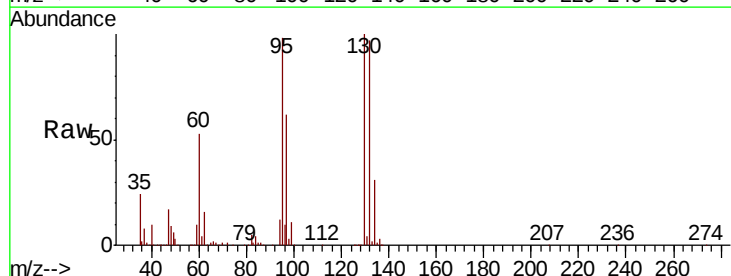
Tgt Ion: 96 Resp: 4546  
 Ion Ratio Lower Upper  
 96 100  
 61 140.2 90.6 168.3  
 98 63.7 44.0 81.8

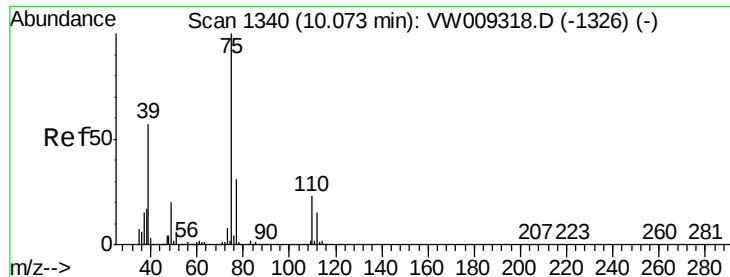


#35

Trichloroethene  
 Concen: 42.933 ug/L  
 RT: 9.09 min Scan# 1179  
 Delta R.T. 0.01 min  
 Lab File: VW009342.D  
 Acq: 22 Mar 2019 12:13

Tgt Ion: 95 Resp: 256541  
 Ion Ratio Lower Upper  
 95 100  
 97 63.7 44.7 82.9  
 132 97.1 69.0 128.2  
 130 101.3 72.7 134.9





#42

cis-1,3-Dichloropropene

Concen: 0.609 ug/L

RT: 10.03 min Scan# 1333

Delta R.T. -0.04 min

Lab File: VW009342.D

Acq: 22 Mar 2019 12:13

Instrument :

MSVOA\_W

ClientSampled :

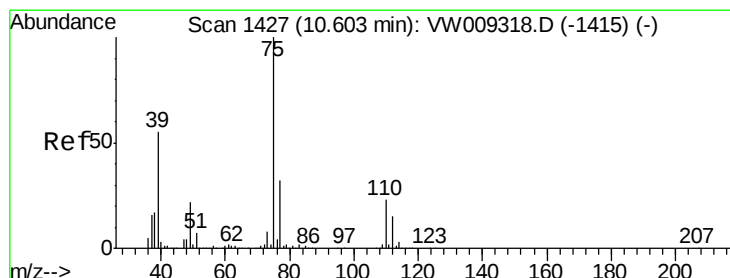
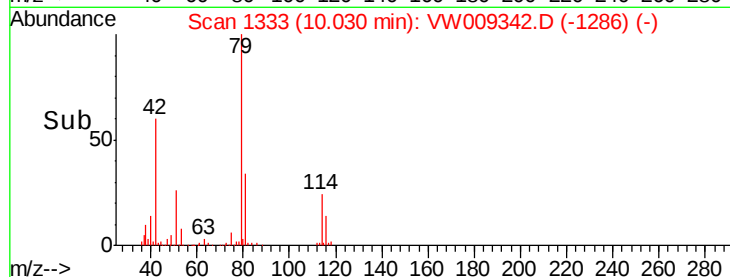
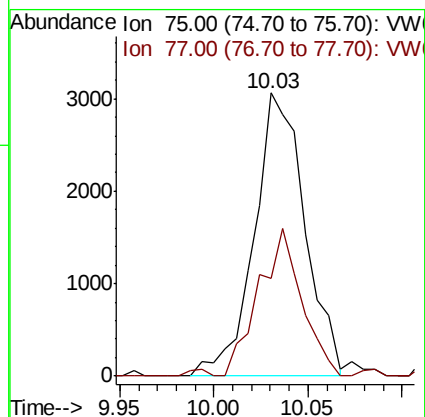
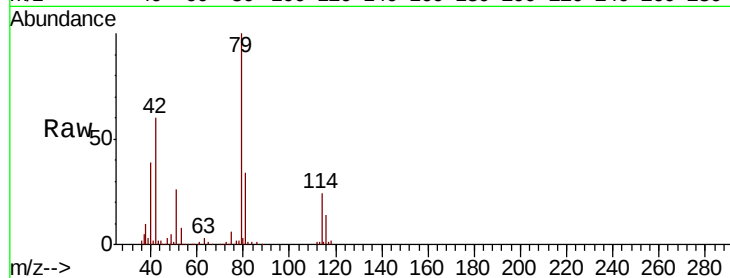
BF0F4

Tgt Ion: 75 Resp: 5709

Ion Ratio Lower Upper

75 100

77 34.7 21.6 40.2



#45

trans-1,3-Dichloropropene

Concen: 0.461 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.02 min

Lab File: VW009342.D

Acq: 22 Mar 2019 12:13

Tgt Ion: 75 Resp: 3760

Ion Ratio Lower Upper

75 100

77 43.8 22.5 41.7#

