

Data File : VW014110.D  
Acq On : 25 Nov 2019 14:42  
Operator : SY/VA  
Sample : K6007-02  
Misc : 5.30G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
C0BL0

Quant Time: Nov 26 07:48:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Nov 26 07:45:45 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 335693   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 287714   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 119105   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 91565    | 17.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.40%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 87723    | 20.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 156372   | 14.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.92%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 61275    | 39.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.76%  |
| 24) Chloroform-d               | 7.64   | 84    | 242482   | 23.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 123422   | 23.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.12%  |
| 29) Benzene-d6                 | 8.27   | 84    | 495171   | 24.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.04%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 150850   | 25.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.92% |
| 37) Toluene-d8                 | 10.32  | 98    | 438307   | 22.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.56%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 52756    | 20.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.40%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 43743    | 38.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.14%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 99966    | 22.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 110820   | 23.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.64%  |

#### Target Compounds

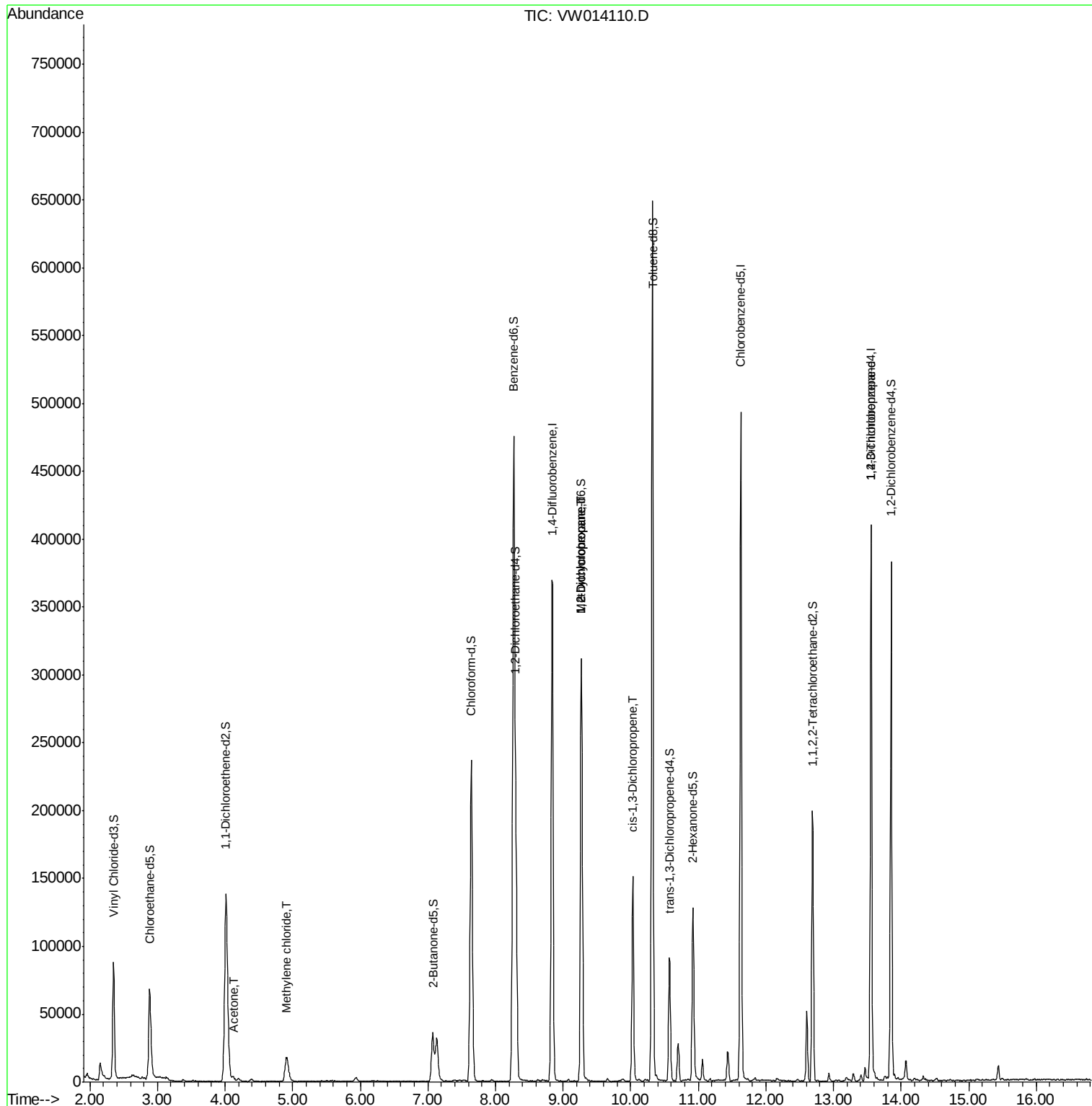
|                             |       |    |       |              | Qvalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 4.13  | 43 | 5185  | 3.275 ug/L   | 95     |
| 16) Methylene chloride      | 4.90  | 84 | 15853 | 2.453 ug/L   | 96     |
| 36) Methylcyclohexane       | 9.27  | 83 | 36621 | 3.628 ug/L # | 20     |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 16792 | 3.305 ug/L # | 85     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 3454  | 0.431 ug/L   | 83     |
| 59) 1,2,3-Trichloropropane  | 13.55 | 75 | 12249 | 3.737 ug/L   | 93     |

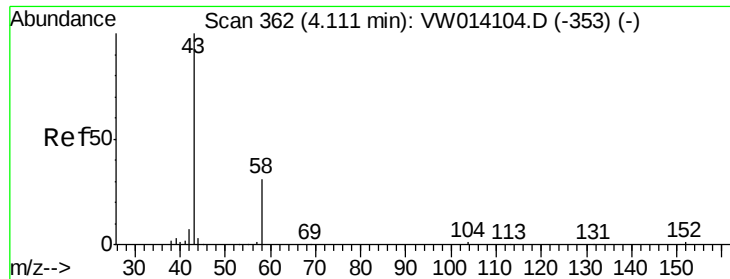
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.275 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.02 min

Lab File: VW014110.D

Acq: 25 Nov 2019 14:42

Instrument :

MSVOA\_W

ClientSampled :

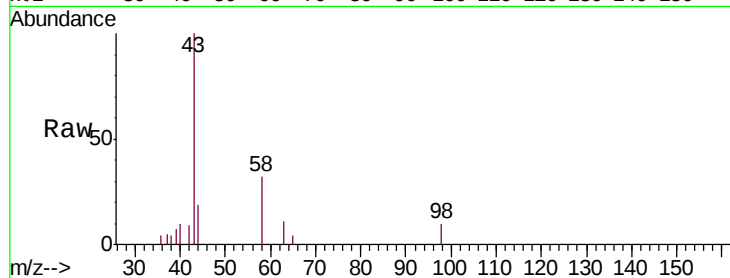
C0BL0

Tgt Ion: 43 Resp: 5185

Ion Ratio Lower Upper

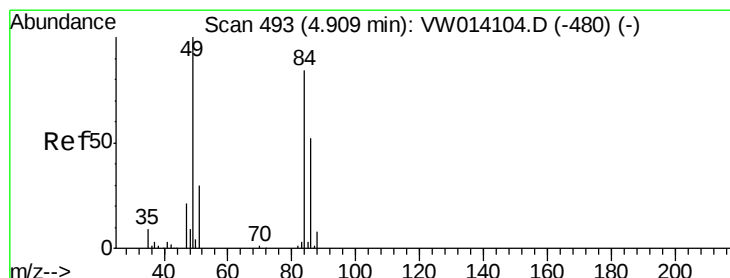
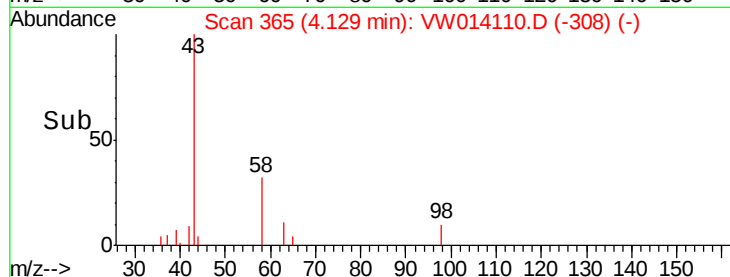
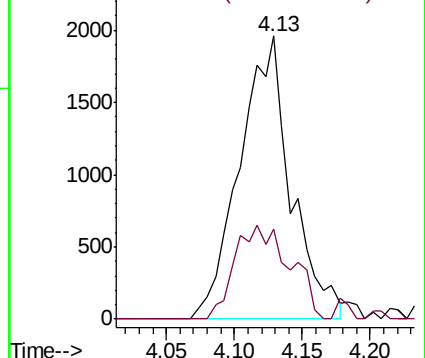
43 100

58 29.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.453 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

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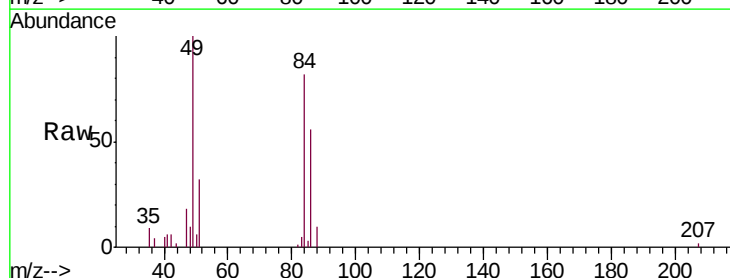
Tgt Ion: 84 Resp: 15853

Ion Ratio Lower Upper

84 100

49 122.5 84.2 156.4

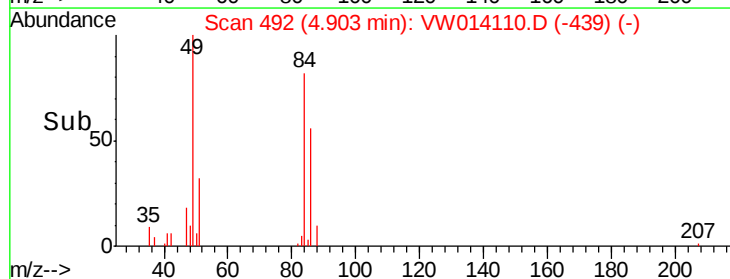
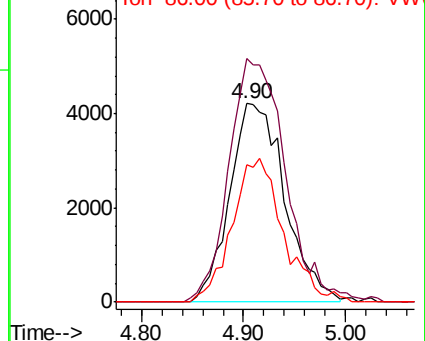
86 69.1 43.7 81.1

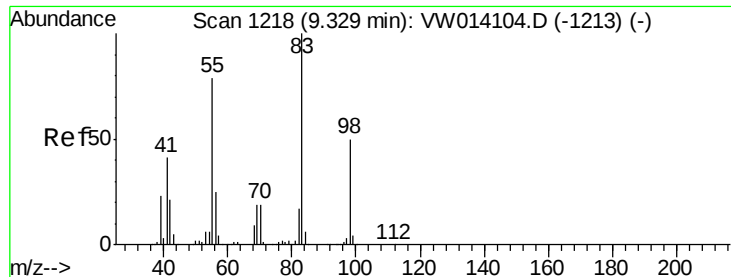


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

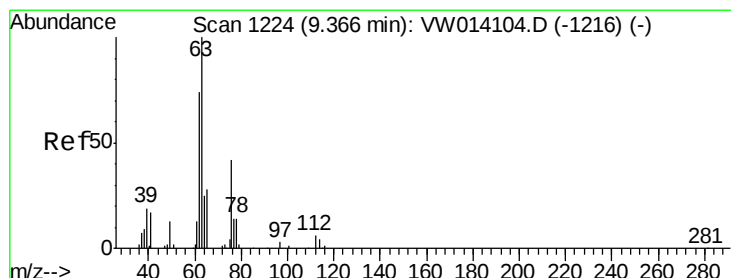
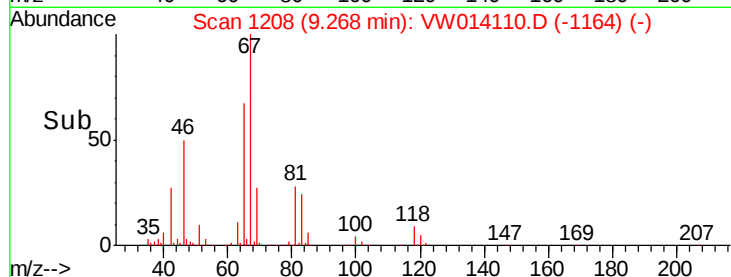
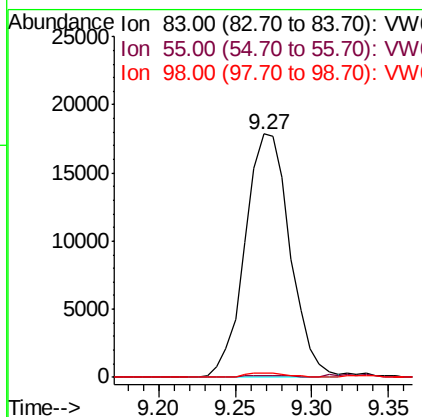
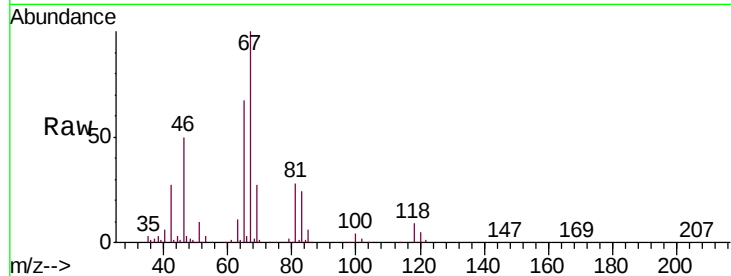




#36  
Methylcyclohexane  
Concen: 3.628 ug/L  
RT: 9.27 min Scan# 1208  
Delta R.T. -0.06 min  
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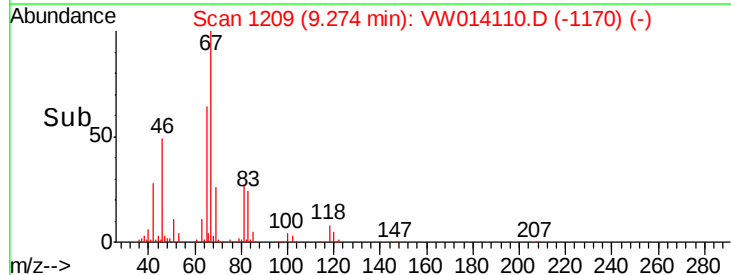
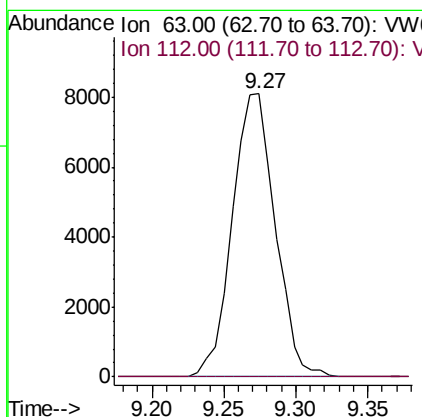
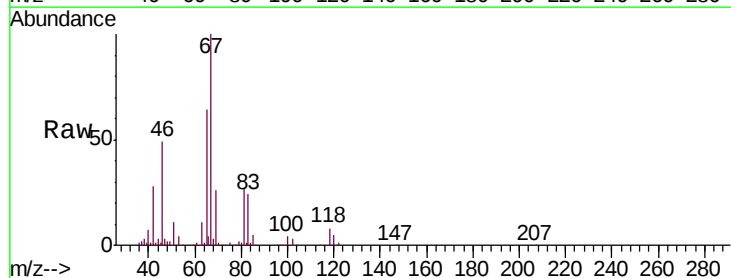
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MSVOA\_W  
ClientSampleId :  
C0BL0

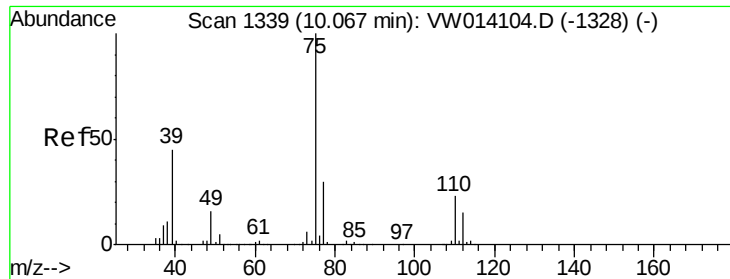
Tgt Ion: 83 Resp: 36621  
Ion Ratio Lower Upper  
83 100  
55 0.5 59.8 89.8#  
98 1.5 39.5 59.3#



#40  
1,2-Dichloropropane  
Concen: 3.305 ug/L  
RT: 9.27 min Scan# 1209  
Delta R.T. -0.09 min  
Lab File: VW014110.D  
Acq: 25 Nov 2019 14:42

Tgt Ion: 63 Resp: 16792  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.9 5.9#





#42

cis-1,3-Dichloropropene

Concen: 0.431 ug/L

RT: 10.04 min Scan# 1334

Delta R.T. -0.03 min

Lab File: VW014110.D

Acq: 25 Nov 2019 14:42

Instrument :

MSVOA\_W

ClientSampleId :

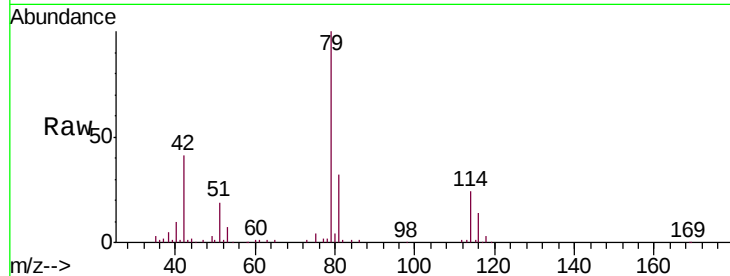
C0BL0

Tgt Ion: 75 Resp: 3454

Ion Ratio Lower Upper

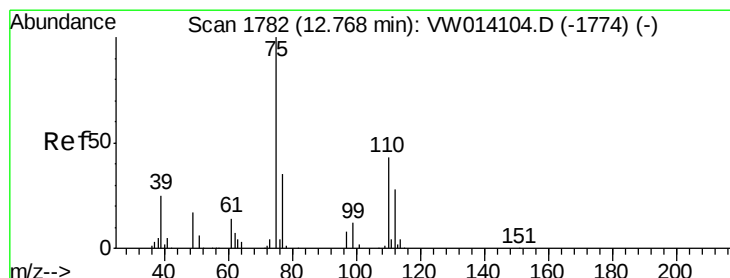
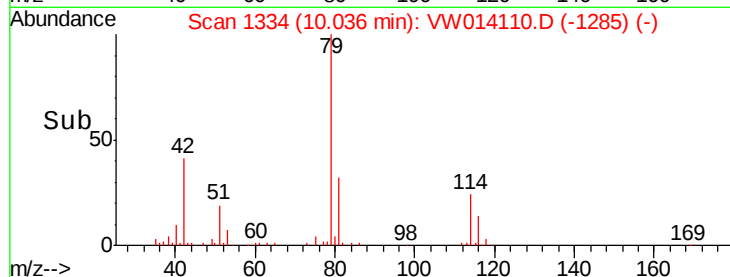
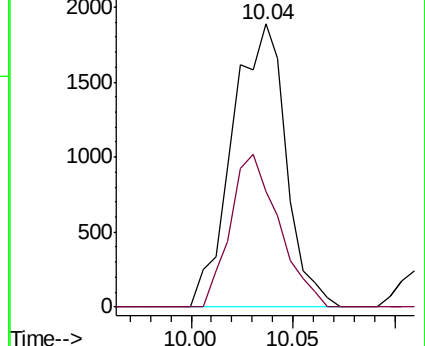
75 100

77 40.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#59

1,2,3-Trichloropropane

Concen: 3.737 ug/L

RT: 13.55 min Scan# 1911

Delta R.T. 0.79 min

Lab File: VW014110.D

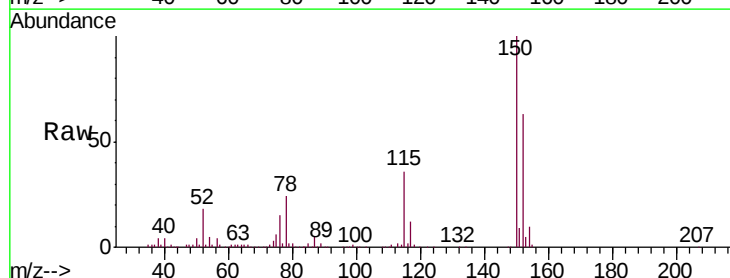
Acq: 25 Nov 2019 14:42

Tgt Ion: 75 Resp: 12249

Ion Ratio Lower Upper

75 100

77 36.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

