

Data File : VW007982.D  
Acq On : 27 Dec 2018 20:54  
Operator : SY/AP  
Sample : J6540-07  
Misc : 7.34G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAEN8

Quant Time: Dec 28 06:00:45 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122618S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 28 05:56:01 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 63829    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 59257    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 28903    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 13607    | 21.63    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.52% |
| 7) Chloroethane-d5             | 2.89   | 69    | 9744     | 22.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.96% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 27334    | 16.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.20% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 12115    | 45.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.32% |
| 24) Chloroform-d               | 7.65   | 84    | 37060    | 21.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 24324    | 23.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.56% |
| 29) Benzene-d6                 | 8.27   | 84    | 69607    | 20.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 20241    | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.56% |
| 37) Toluene-d8                 | 10.32  | 98    | 67808    | 20.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.76% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 11205    | 21.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.36% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 10692    | 46.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.48% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 20798    | 23.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 26369    | 22.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.36% |

#### Target Compounds

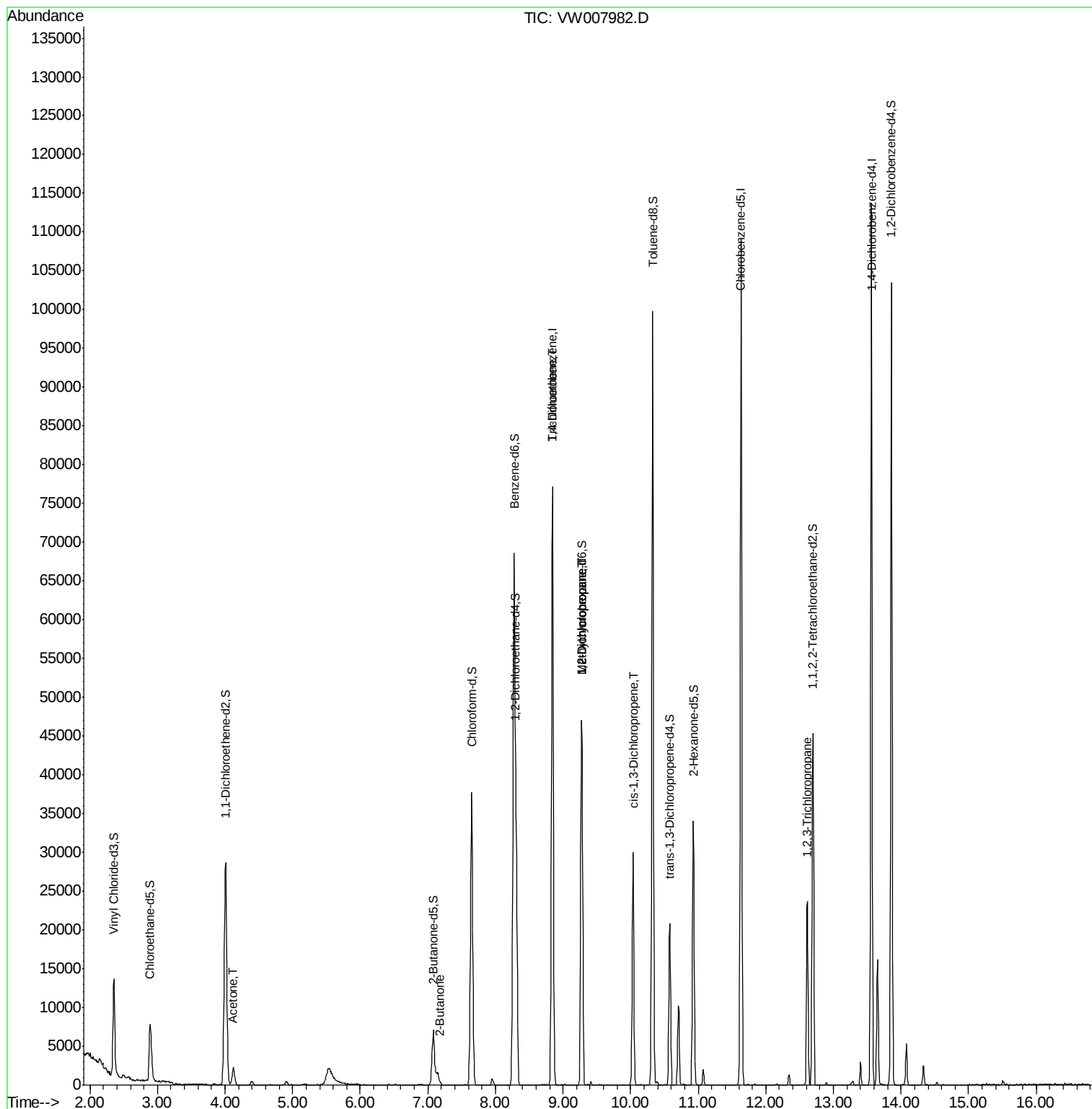
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                 | 4.12  | 43 | 3838 | 14.643 ug/L  | 95     |
| 21) 2-Butanone              | 7.18  | 43 | 242  | 0.811 ug/L # | 46     |
| 35) Trichloroethene         | 8.85  | 95 | 2195 | 2.383 ug/L # | 5      |
| 36) Methylcyclohexane       | 9.27  | 83 | 5291 | 3.349 ug/L # | 19     |
| 40) 1,2-Dichloropropane     | 9.27  | 63 | 2721 | 3.650 ug/L # | 86     |
| 42) cis-1,3-Dichloropropene | 10.04 | 75 | 742  | 0.570 ug/L # | 45     |
| 59) 1,2,3-Trichloropropene  | 12.62 | 75 | 300  | 0.477 ug/L # | 43     |

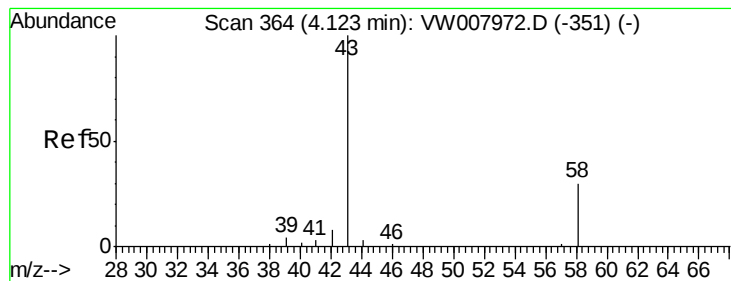
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW007982.D  
Acq On : 27 Dec 2018 20:54  
Operator : SY/AP  
Sample : J6540-07  
Misc : 7.34G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAEN8

Quant Time: Dec 28 06:00:45 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122618S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 28 05:56:01 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 14.643 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW007982.D

Acq: 27 Dec 2018 20:54

Instrument :

MSVOA\_W

ClientSampled :

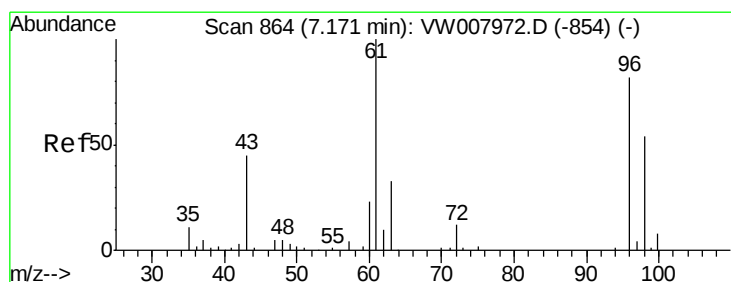
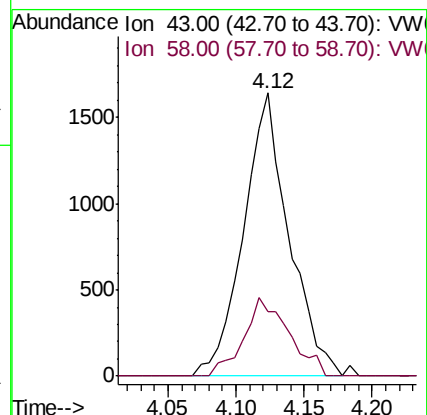
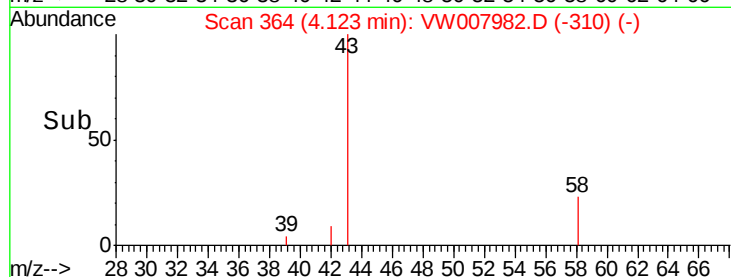
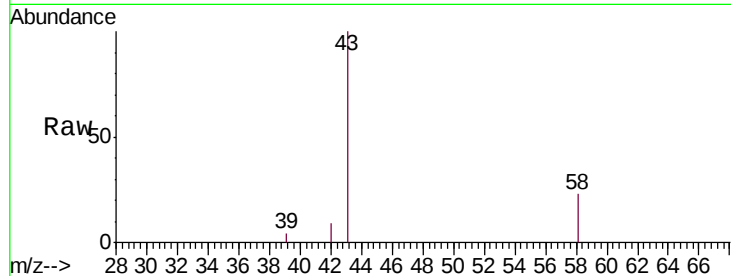
GAEN8

Tgt Ion: 43 Resp: 3838

Ion Ratio Lower Upper

43 100

58 26.4 0.0 58.6



#21

2-Butanone

Concen: 0.811 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007982.D

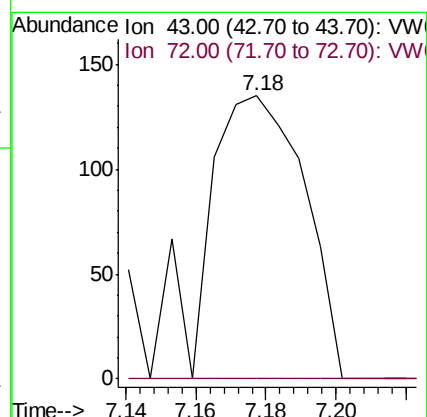
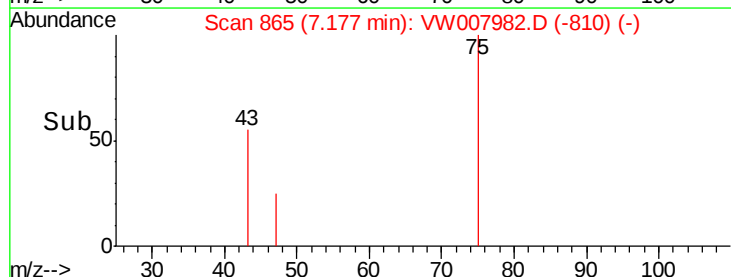
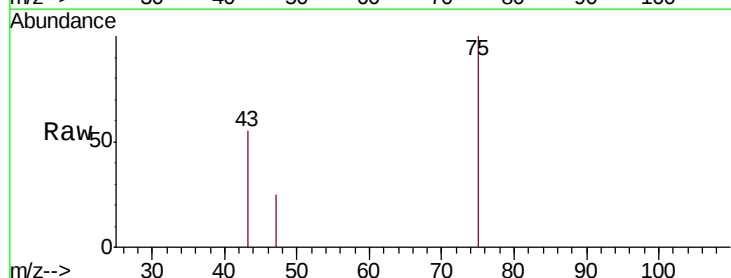
Acq: 27 Dec 2018 20:54

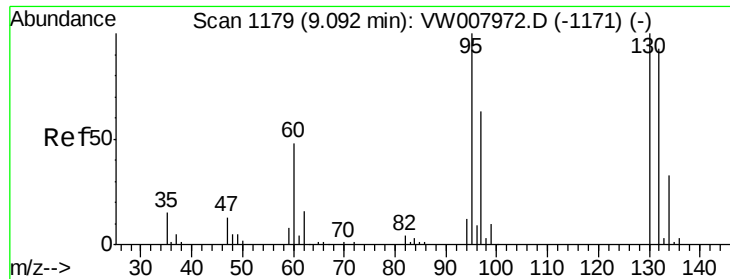
Tgt Ion: 43 Resp: 242

Ion Ratio Lower Upper

43 100

72 0.0 14.4 43.4#





#35

Trichloroethene

Concen: 2.383 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW007982.D

Acq: 27 Dec 2018 20:54

Instrument :

MSVOA\_W

ClientSampleId :

GAEN8

Tgt Ion: 95 Resp: 2195

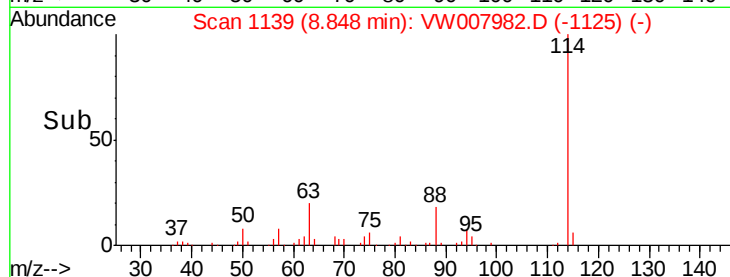
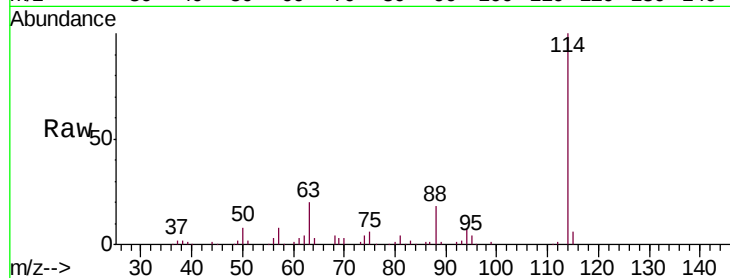
Ion Ratio Lower Upper

95 100

97 0.0 44.4 82.5#

132 0.0 67.8 126.0#

130 0.0 70.3 130.7#

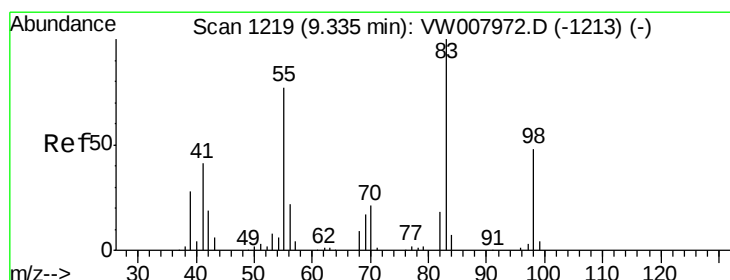
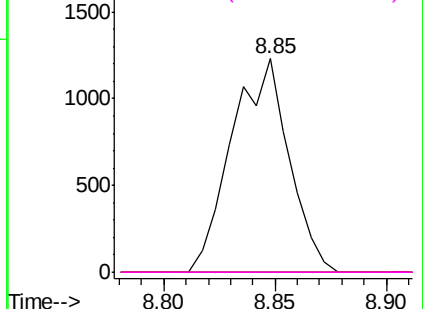


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 3.349 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW007982.D

Acq: 27 Dec 2018 20:54

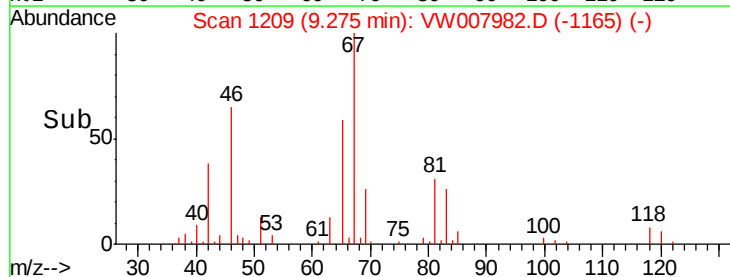
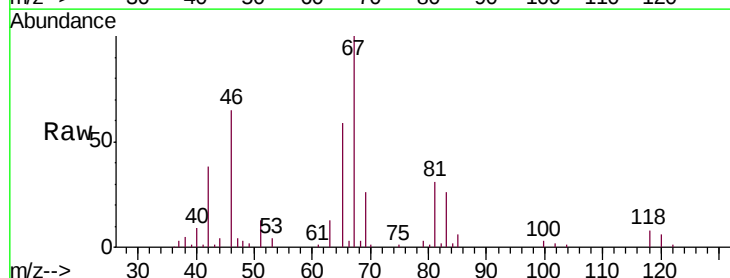
Tgt Ion: 83 Resp: 5291

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.0#

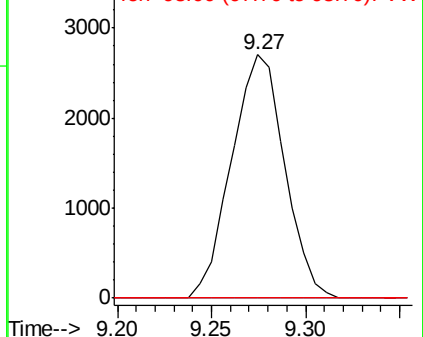
98 0.0 38.2 57.2#

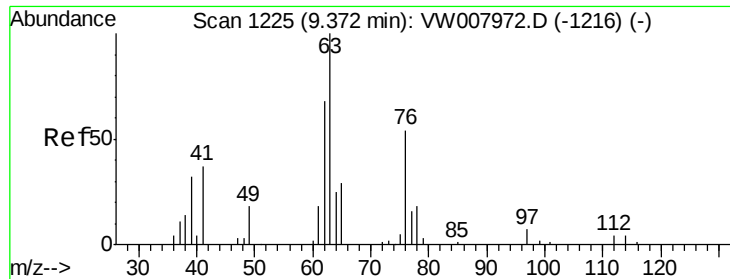


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

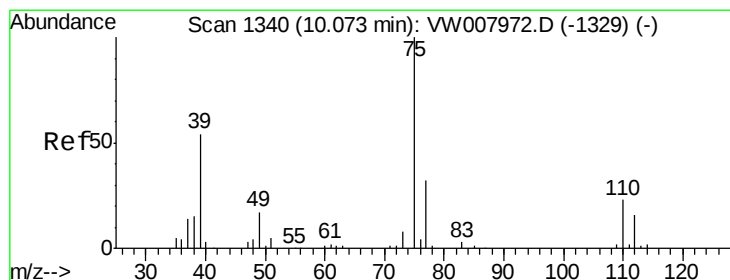
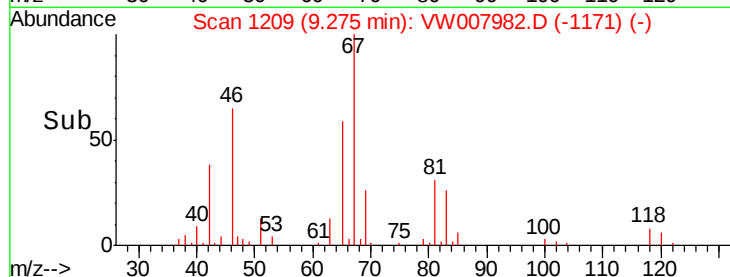
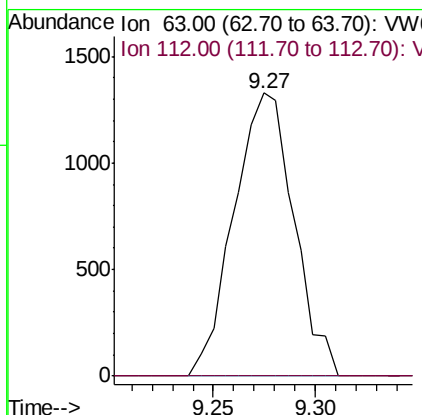
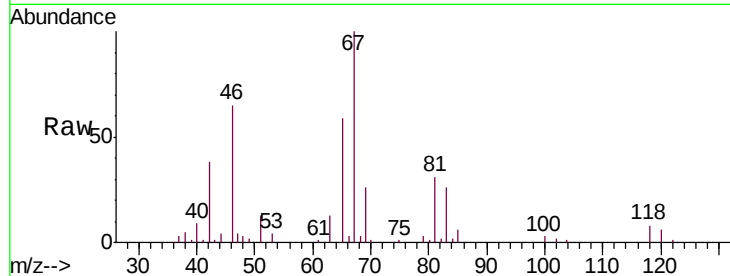




#40  
 1,2-Dichloropropane  
 Concen: 3.650 ug/L  
 RT: 9.27 min Scan# 1209  
 Delta R.T. -0.10 min  
 Lab File: VW007982.D  
 Acq: 27 Dec 2018 20:54

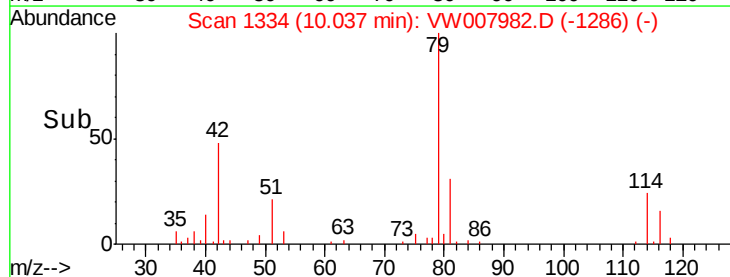
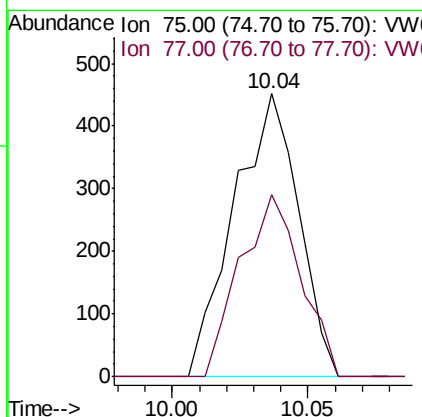
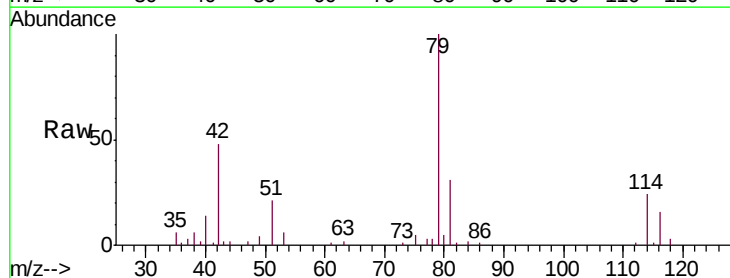
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GAEN8

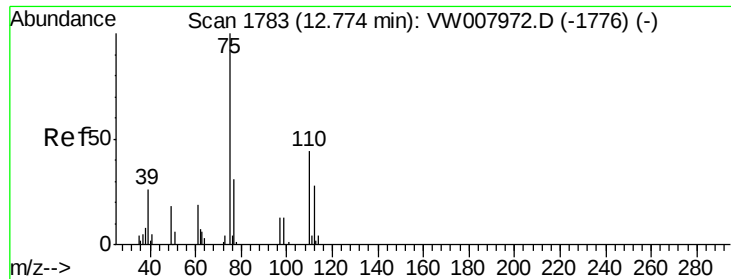
Tgt Ion: 63 Resp: 2721  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.7 5.5#



#42  
 cis-1,3-Dichloropropene  
 Concen: 0.570 ug/L  
 RT: 10.04 min Scan# 1334  
 Delta R.T. -0.04 min  
 Lab File: VW007982.D  
 Acq: 27 Dec 2018 20:54

Tgt Ion: 75 Resp: 742  
 Ion Ratio Lower Upper  
 75 100  
 77 64.2 23.0 42.8#





#59

1,2,3-Trichloropropane

Concen: 0.477 ug/L

RT: 12.62 min Scan# 1757

Delta R.T. -0.16 min

Lab File: VW007982.D

Acq: 27 Dec 2018 20:54

Instrument :

MSVOA\_W

ClientSampleId :

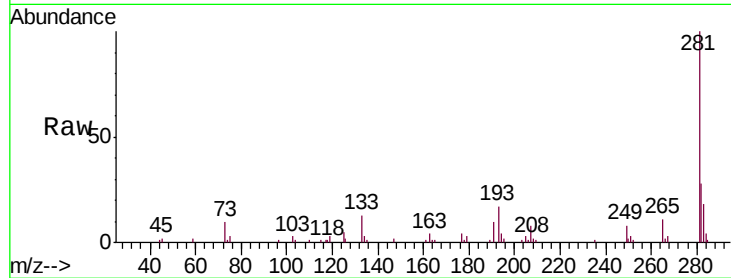
GAEN8

Tgt Ion: 75 Resp: 300

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

250

200

150

100

50

0

12.58 12.60 12.62 12.64

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

12.62

