

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120718\  
 Data File : VW007325.D  
 Acq On : 07 Dec 2018 23:34  
 Operator : SY/AP  
 Sample : J6236-13  
 Misc : 5.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F9E23

Quant Time: Dec 08 02:07:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120718S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 08 02:02:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 145804   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 126493   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 57869    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 28564    | 30.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.32% |
| 7) Chloroethane-d5             | 2.90   | 69    | 21979    | 27.33    | ug/L | 0.01    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.32% |
| 10) 1,1-Dichloroethene-d2      | 4.14   | 63    | 215      | 0.07     | ug/L | 0.13    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.28%#  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 26193    | 43.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.52%  |
| 24) Chloroform-d               | 7.65   | 84    | 94682    | 27.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 110.12% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 58040    | 29.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.60% |
| 29) Benzene-d6                 | 8.27   | 84    | 192335   | 28.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 112.00% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 54245    | 27.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.68% |
| 37) Toluene-d8                 | 10.32  | 98    | 180339   | 28.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 112.00% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 26123    | 26.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 104.24% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 18841    | 39.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.84%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 47020    | 26.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 58666    | 28.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 115.28% |

## Target Compounds

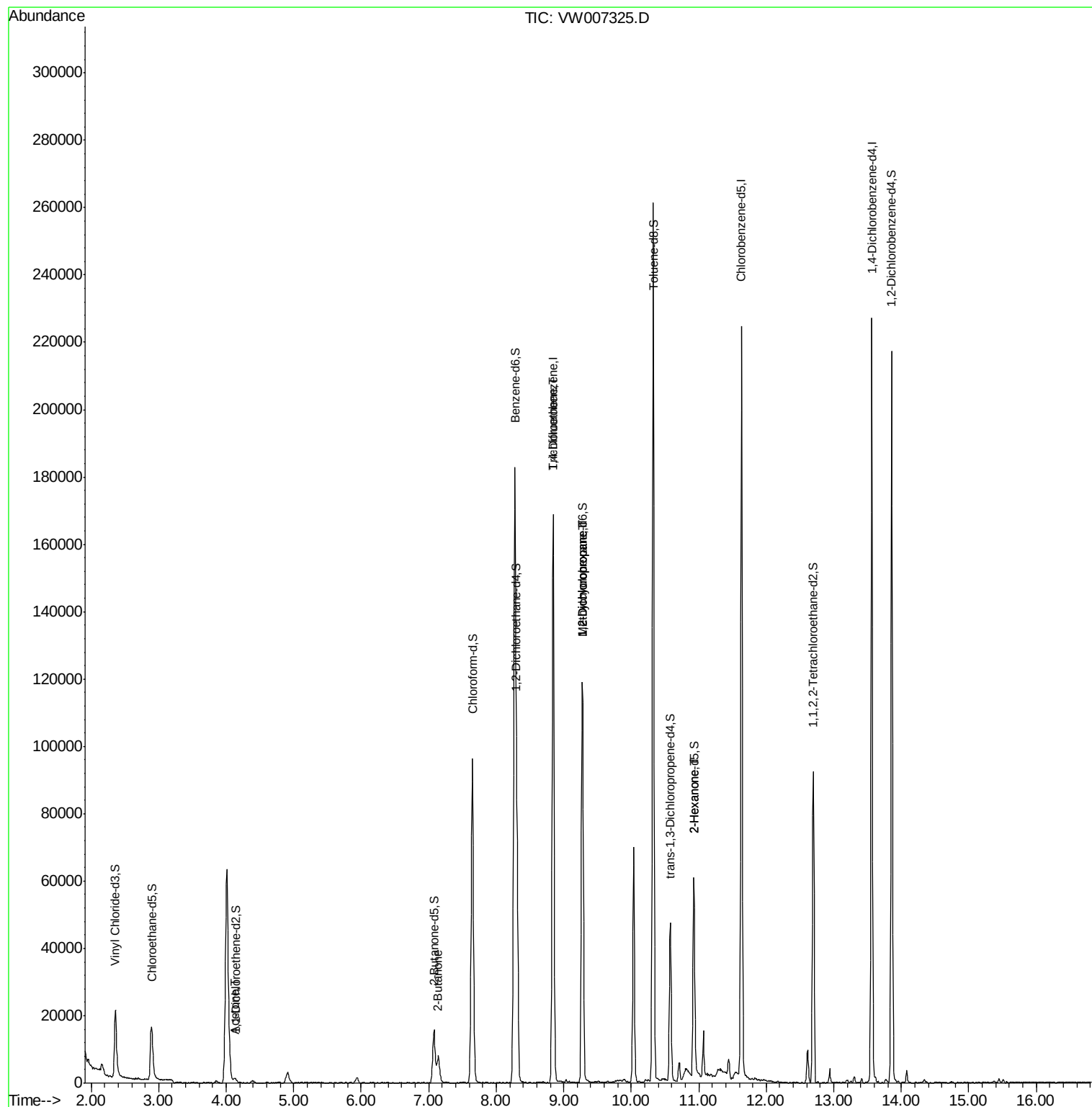
|                         |       |    |       |              | Ovalue |
|-------------------------|-------|----|-------|--------------|--------|
| 13) Acetone             | 4.12  | 43 | 1453  | 2.087 ug/L   | 89     |
| 21) 2-Butanone          | 7.14  | 43 | 984   | 1.315 ug/L # | 45     |
| 35) Trichloroethene     | 8.84  | 95 | 4324  | 2.080 ug/L # | 4      |
| 36) Methylcyclohexane   | 9.27  | 83 | 13894 | 3.871 ug/L # | 19     |
| 40) 1,2-Dichloropropane | 9.27  | 63 | 6635  | 3.741 ug/L # | 86     |
| 49) 2-Hexanone          | 10.92 | 43 | 2959  | 2.999 ug/L # | 62     |

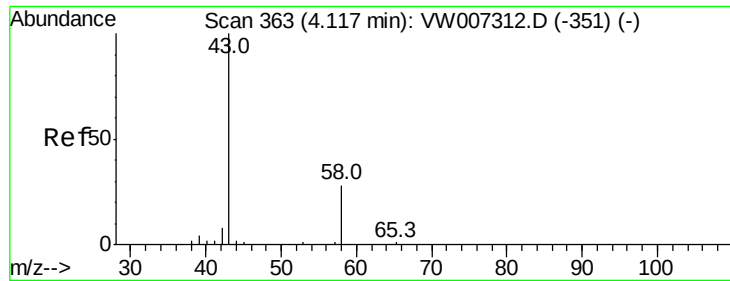
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Sat Dec 08 02:02:23 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.087 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007325.D

Acq: 07 Dec 2018 23:34

Instrument :

MSVOA\_W

ClientSampled :

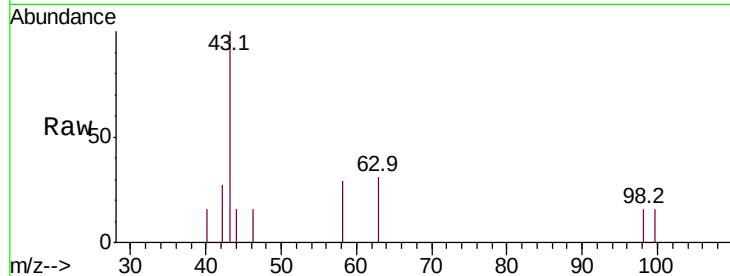
F9E23

Tot Ion: 43 Resp: 1453

Ion Ratio Lower Upper

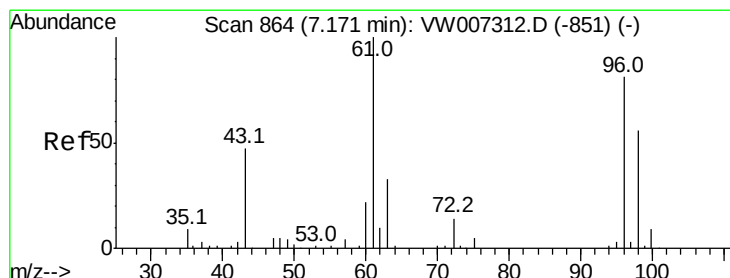
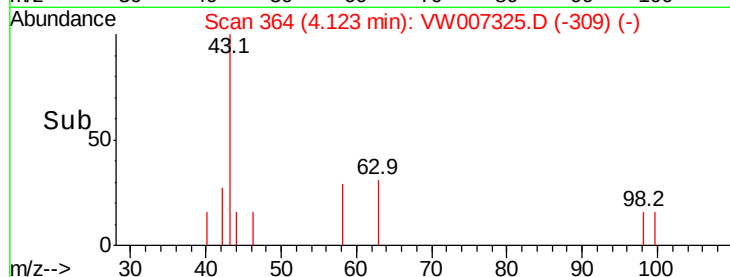
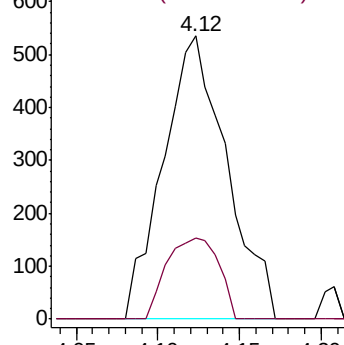
43 100

58 23.5 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#21

2-Butanone

Concen: 1.315 ug/L

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW007325.D

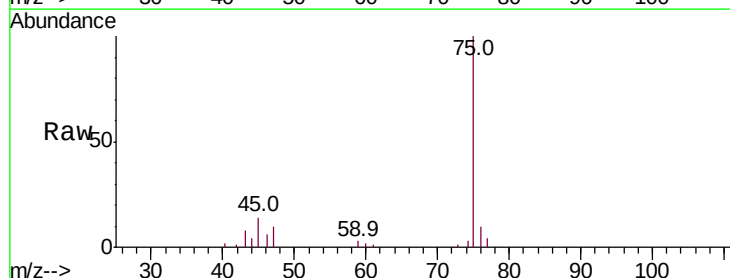
Acq: 07 Dec 2018 23:34

Tgt Ion: 43 Resp: 984

Ion Ratio Lower Upper

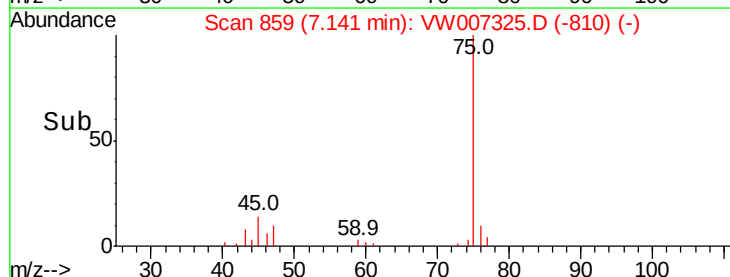
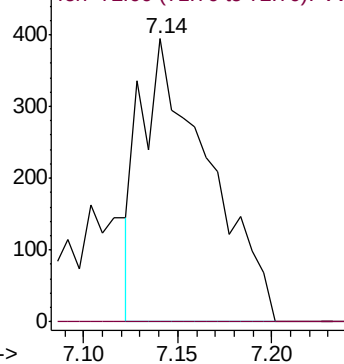
43 100

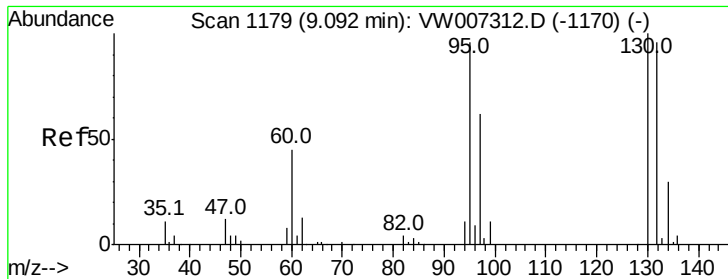
72 0.0 14.7 44.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#35

Trichloroethene

Concen: 2.080 ug/L

RT: 8.84 min Scan# 1138

Delta R.T. -0.25 min

Lab File: VW007325.D

Acq: 07 Dec 2018 23:34

Instrument :

MSVOA\_W

ClientSampleId :

F9E23

Tot Ion: 95 Resp: 4324

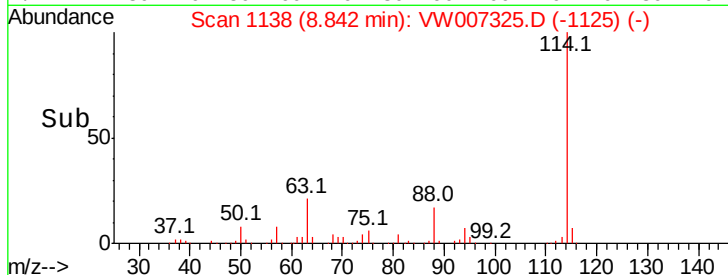
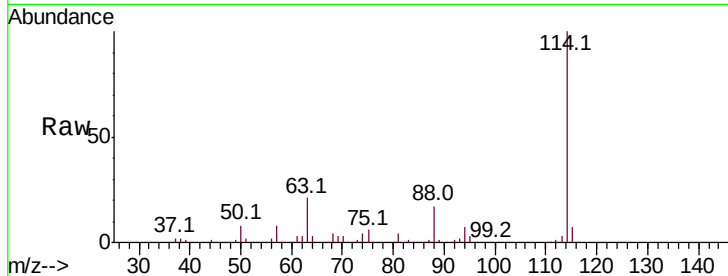
Ion Ratio Lower Upper

95 100

97 0.0 45.8 85.0#

132 0.0 68.0 126.4#

130 0.0 71.6 133.0#

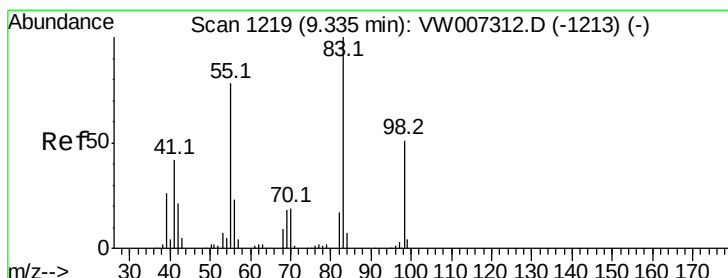
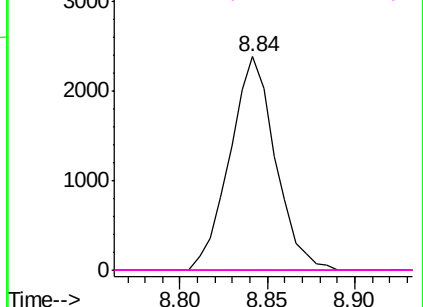


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 3.871 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.06 min

Lab File: VW007325.D

Acq: 07 Dec 2018 23:34

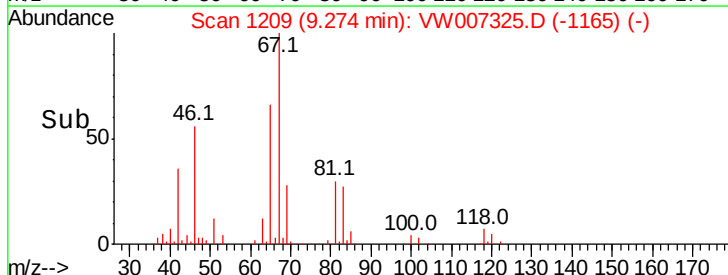
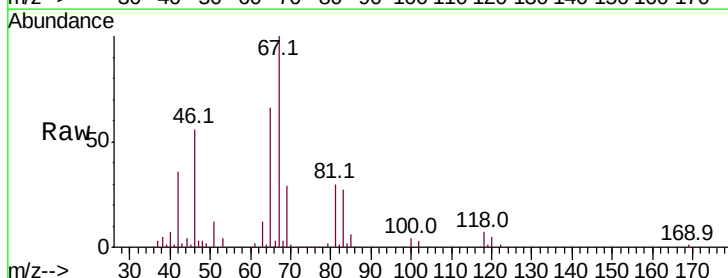
Tgt Ion: 83 Resp: 13894

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.2#

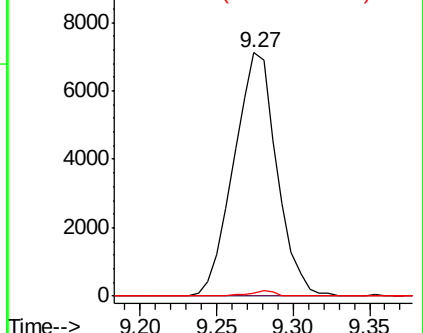
98 0.9 38.1 57.1#

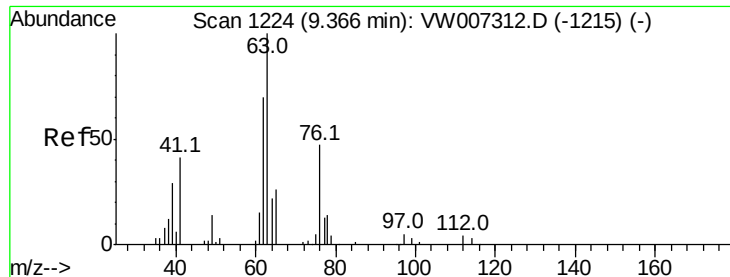


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 3.741 ug/L

RT: 9.27 min Scan# 1209

Delta R.T. -0.09 min

Lab File: VW007325.D

Acq: 07 Dec 2018 23:34

Instrument :

MSVOA\_W

ClientSampleId :

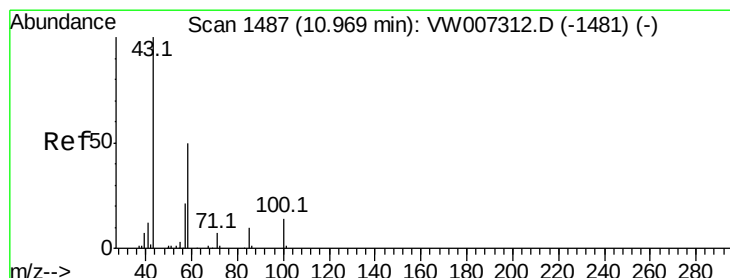
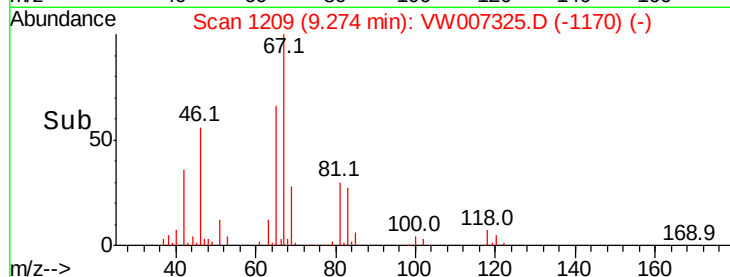
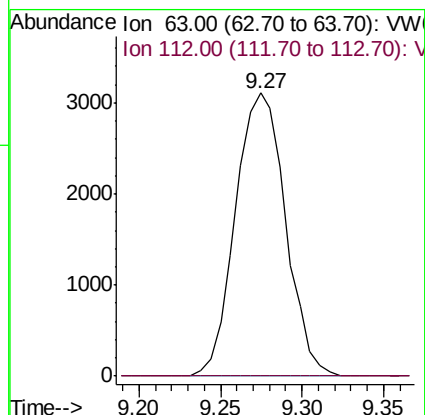
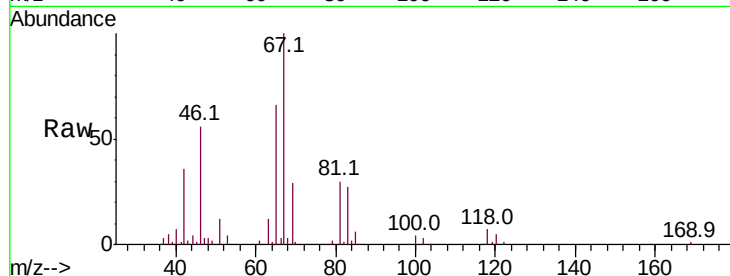
F9E23

Tot Ion: 63 Resp: 6635

Ion Ratio Lower Upper

63 100

112 0.0 3.6 5.4#



#49

2-Hexanone

Concen: 2.999 ug/L

RT: 10.92 min Scan# 1479

Delta R.T. -0.05 min

Lab File: VW007325.D

Acq: 07 Dec 2018 23:34

Tgt Ion: 43 Resp: 2959

Ion Ratio Lower Upper

43 100

58 18.0 47.2 70.8#

57 22.5 17.6 26.4

100 4.2 12.2 18.2#

