

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110518\  
 Data File : VW006666.D  
 Acq On : 06 Nov 2018 05:54  
 Operator : SY/AP  
 Sample : J5764-19  
 Misc : 5.12G/5ML/MSVOA W/SOIL  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-03-110218-J

Quant Time: Nov 06 08:40:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W110218S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 01 03:48:08 2018  
 Response via : Initial Calibration

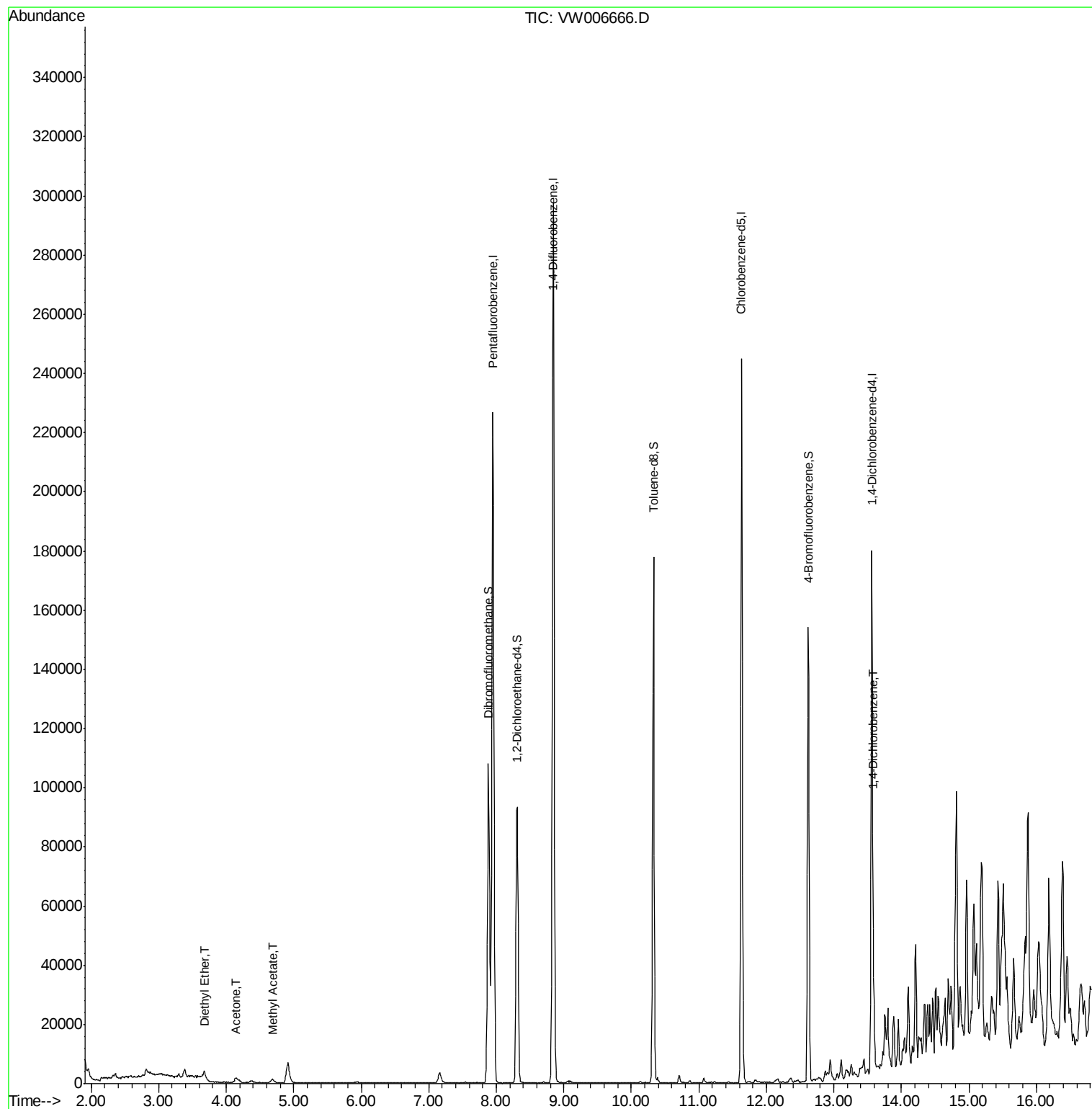
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 186350   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 271881   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 143851   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 51511    | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 74204    | 46.32  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.64% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 76547    | 44.86  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.72% |          |
| 50) Toluene-d8              | 10.33 | 98   | 122735   | 18.90  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 37.80% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 46023    | 19.54  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 39.08% |          |
| Target Compounds            |       |      |          |        |        |          |
| 8) Diethyl Ether            | 3.68  | 74   | 1952     | 2.423  | ug/l   | 81       |
| 16) Acetone                 | 4.14  | 43   | 3184     | 12.312 | ug/l # | 84       |
| 18) Methyl Acetate          | 4.68  | 43   | 2636     | 3.545  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene     | 13.58 | 146  | 4760     | 2.775  | ug/l # | 84       |

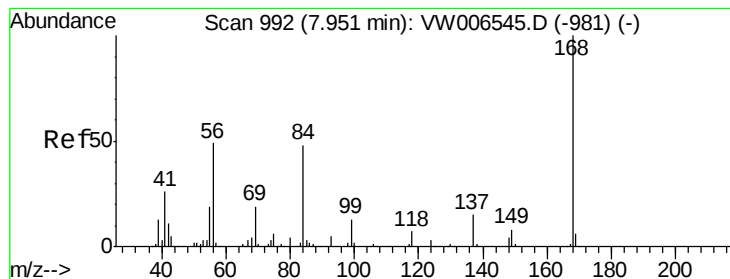
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA\_W

ClientSampleId :

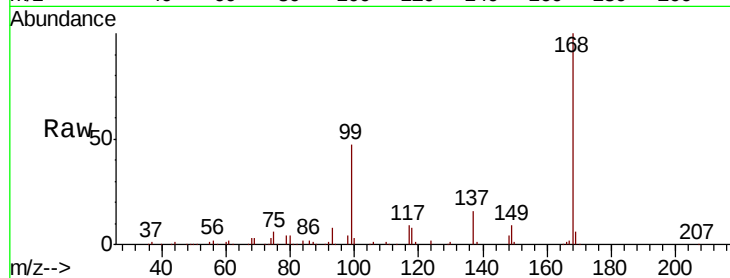
JC-03-110218-J

Tot Ion:168 Resp: 186350

Ion Ratio Lower Upper

168 100

99 46.5 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

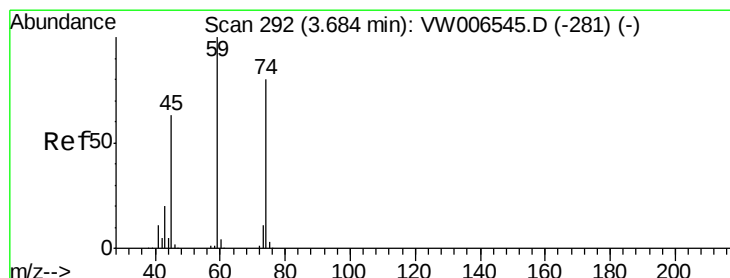
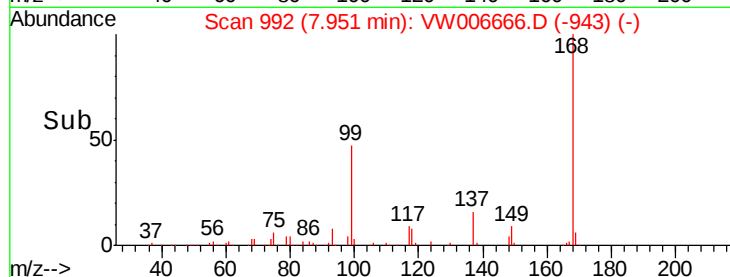
20000

0

7.90

8.00

Time-->



#8

Diethyl Ether

Concen: 2.423 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006666.D

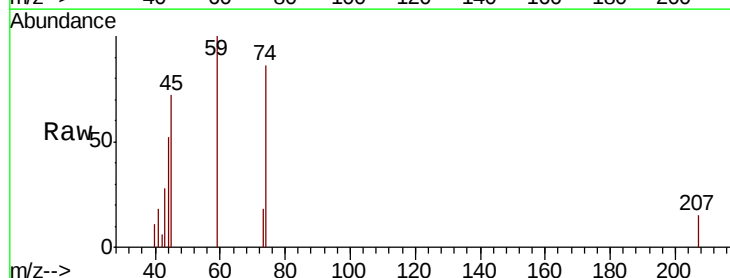
Acq: 06 Nov 2018 05:54

Tgt Ion: 74 Resp: 1952

Ion Ratio Lower Upper

74 100

45 99.6 41.1 123.4



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1000

800

600

400

200

0

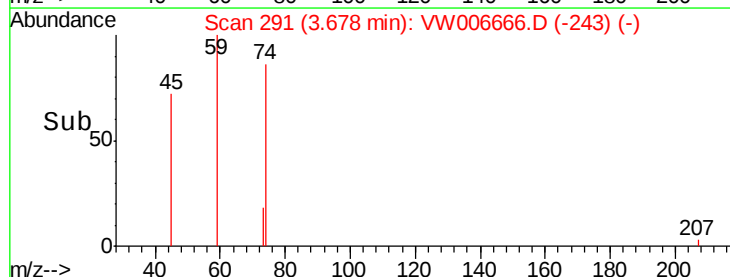
3.60

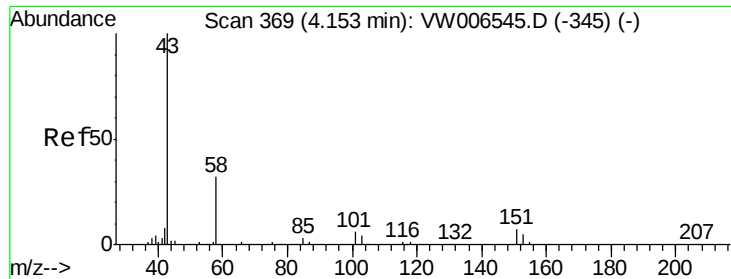
3.65

3.70

3.75

Time-->





#16

Acetone

Concen: 12.312 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA\_W

ClientSampleId :

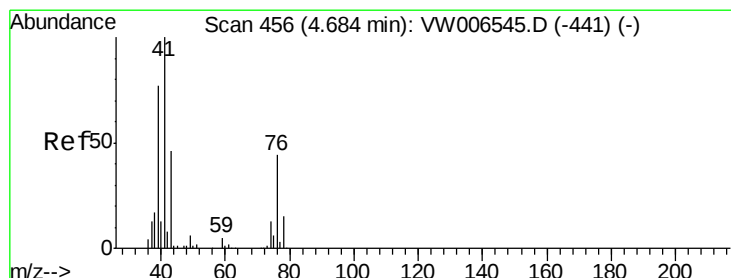
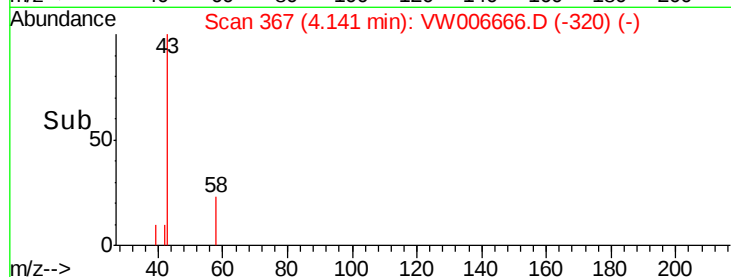
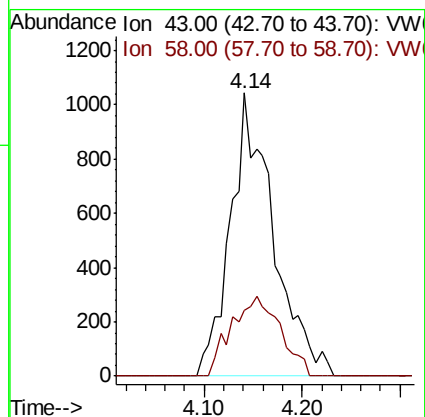
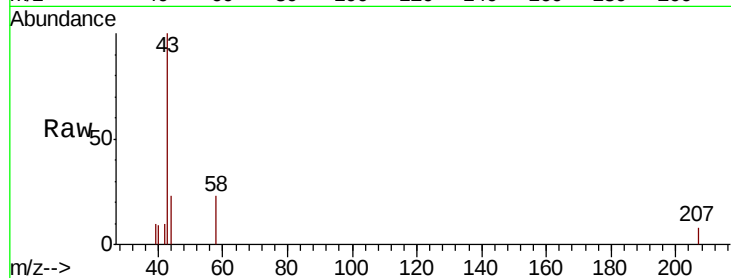
JC-03-110218-J

Tot Ion: 43 Resp: 3184

Ion Ratio Lower Upper

43 100

58 23.1 25.8 38.8#



#18

Methyl Acetate

Concen: 3.545 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006666.D

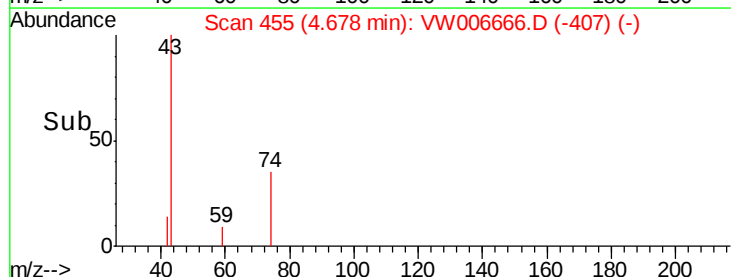
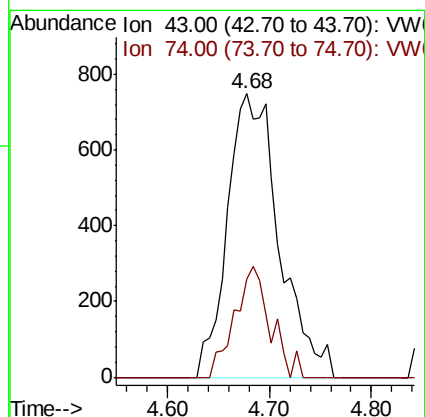
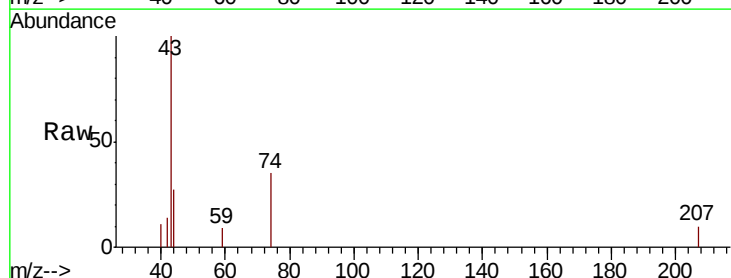
Acq: 06 Nov 2018 05:54

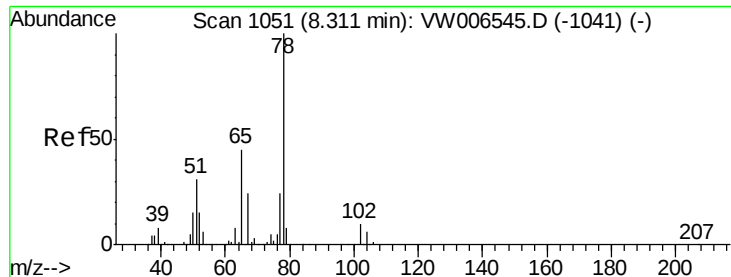
Tgt Ion: 43 Resp: 2636

Ion Ratio Lower Upper

43 100

74 26.6 21.9 32.9

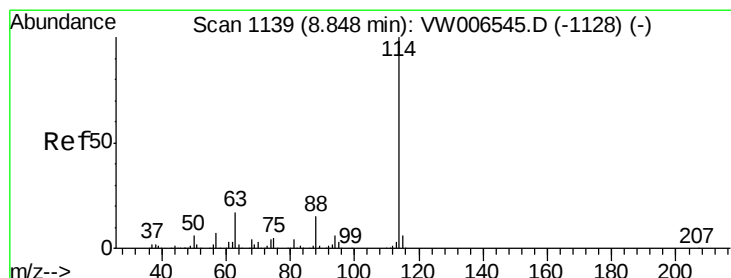
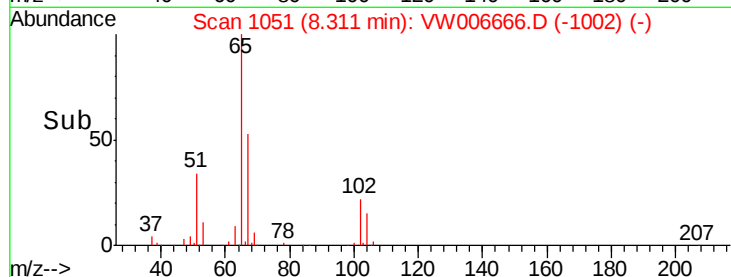
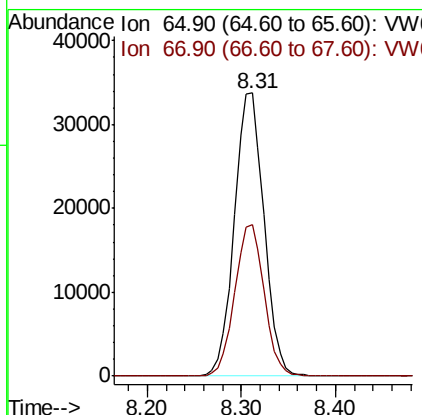
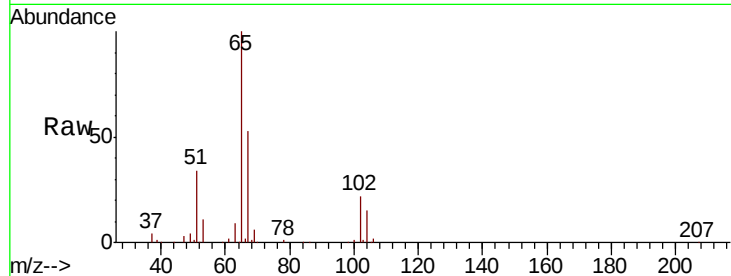




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.324 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW006666.D  
 Acq: 06 Nov 2018 05:54

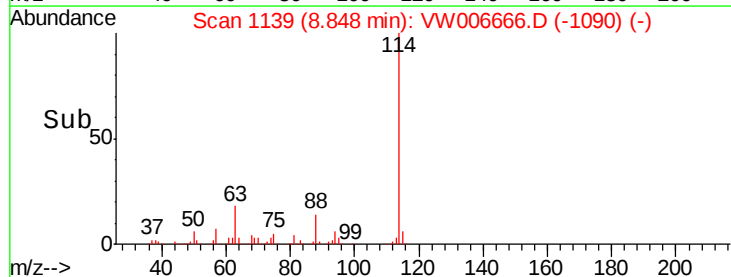
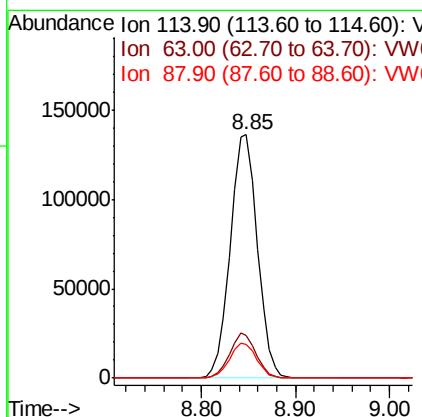
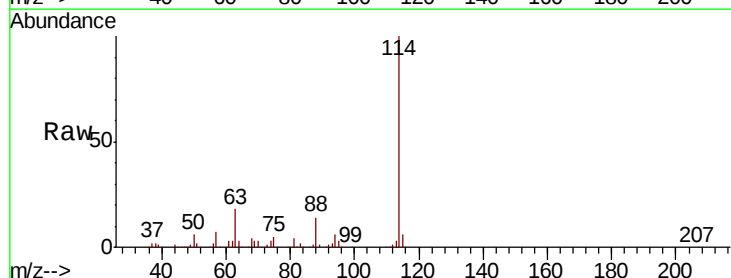
Instrument :  
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 JC-03-110218-J

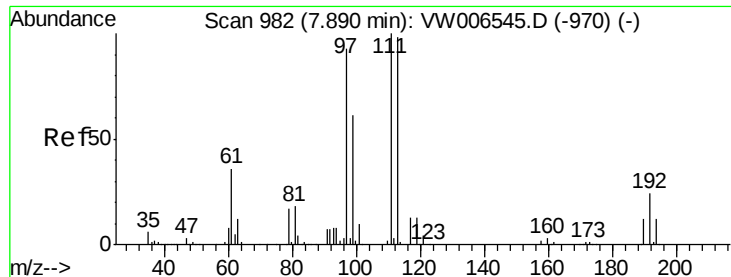
Tot Ion: 65 Resp: 74204  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 104.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW006666.D  
 Acq: 06 Nov 2018 05:54

Tgt Ion: 114 Resp: 271881  
 Ion Ratio Lower Upper  
 114 100  
 63 17.7 0.0 34.4  
 88 14.0 0.0 29.0

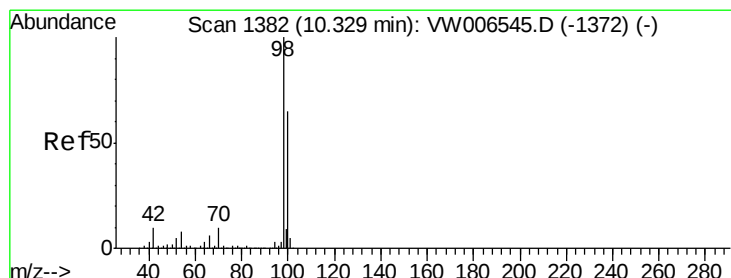
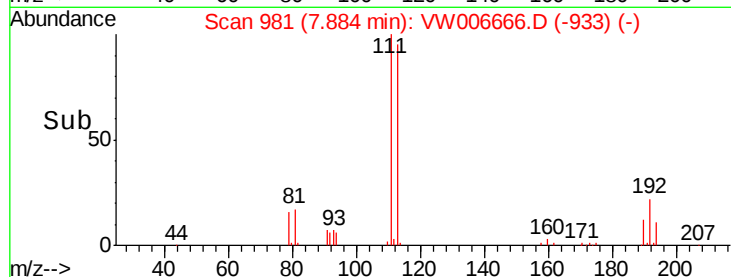
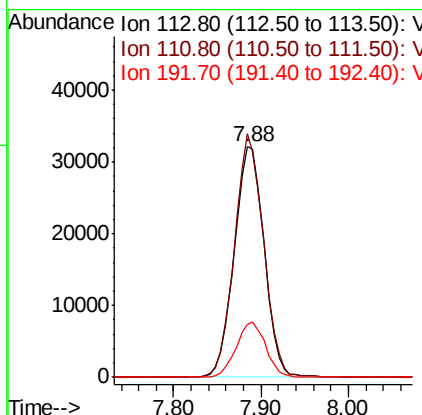
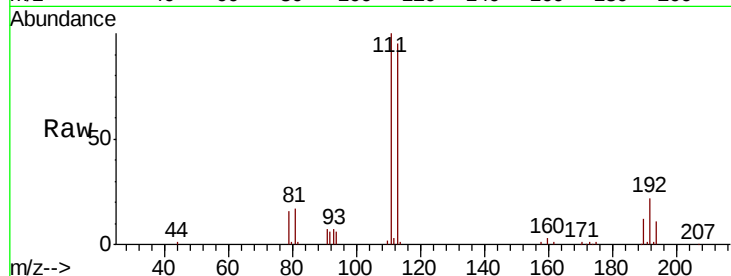




#35  
 Dibromofluoromethane  
 Concen: 44.862 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.01 min  
 Lab File: VW006666.D  
 Acq: 06 Nov 2018 05:54

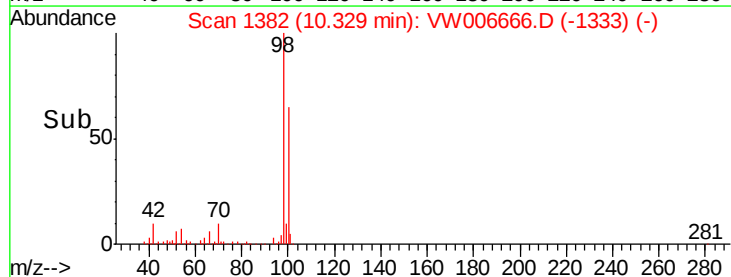
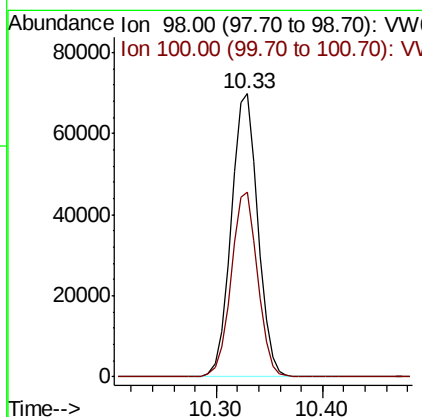
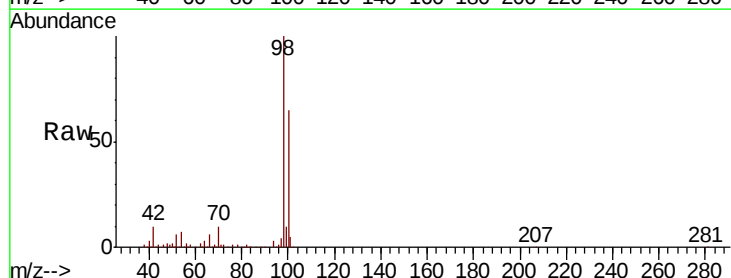
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-03-110218-J

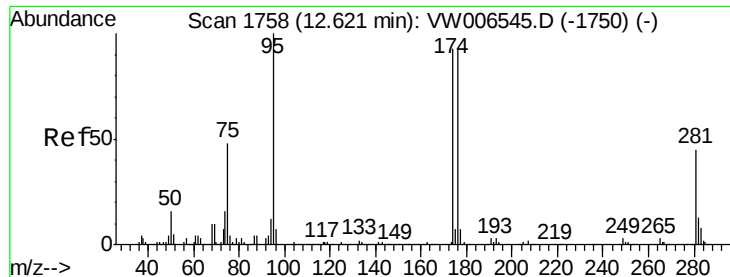
Tot Ion:113 Resp: 76547  
 Ion Ratio Lower Upper  
 113 100  
 111 102.2 82.2 123.2  
 192 23.4 19.0 28.6



#50  
 Toluene-d8  
 Concen: 18.896 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. 0.00 min  
 Lab File: VW006666.D  
 Acq: 06 Nov 2018 05:54

Tgt Ion: 98 Resp: 122735  
 Ion Ratio Lower Upper  
 98 100  
 100 64.6 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 19.544 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA\_W

ClientSampleId :

JC-03-110218-J

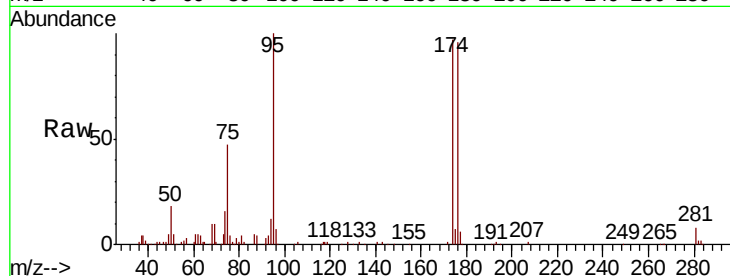
Tot Ion: 95 Resp: 46023

Ion Ratio Lower Upper

95 100

174 99.1 0.0 192.4

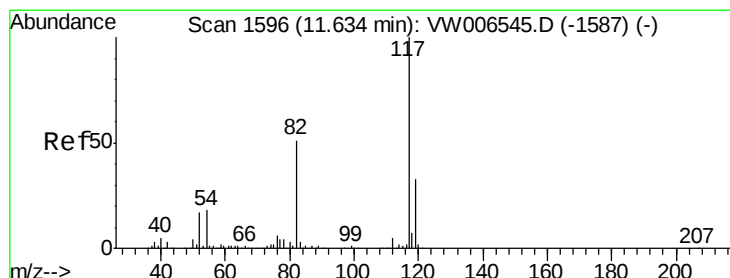
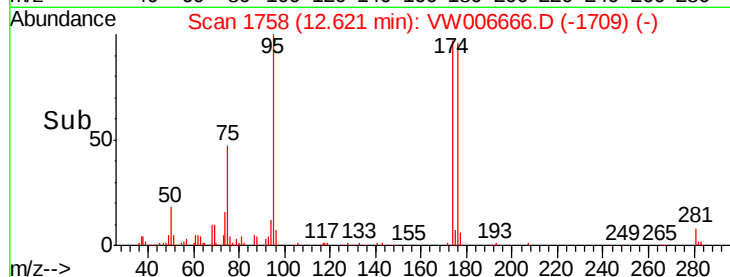
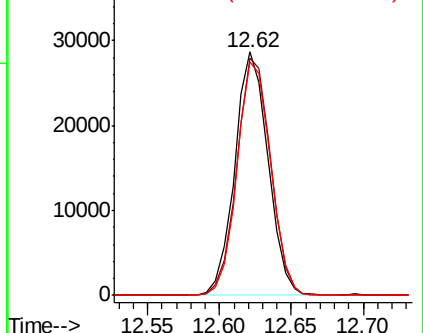
176 96.8 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

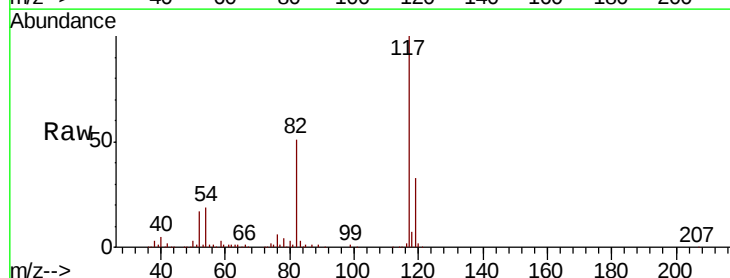
Tgt Ion: 117 Resp: 143851

Ion Ratio Lower Upper

117 100

82 51.3 40.8 61.2

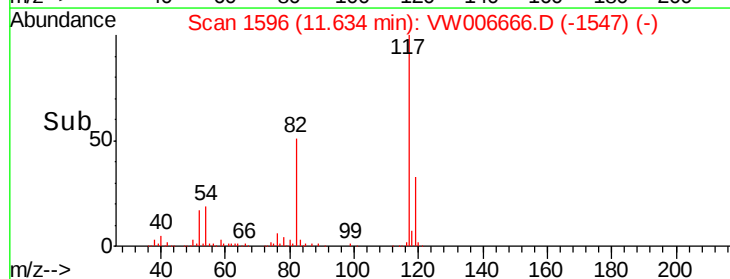
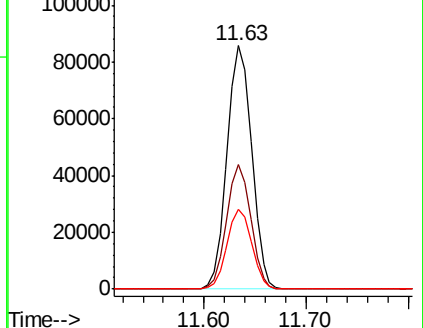
119 32.5 26.1 39.1

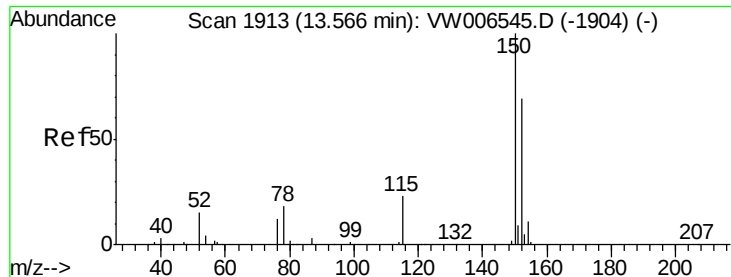


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

Instrument :

MSVOA\_W

ClientSampleId :

JC-03-110218-J

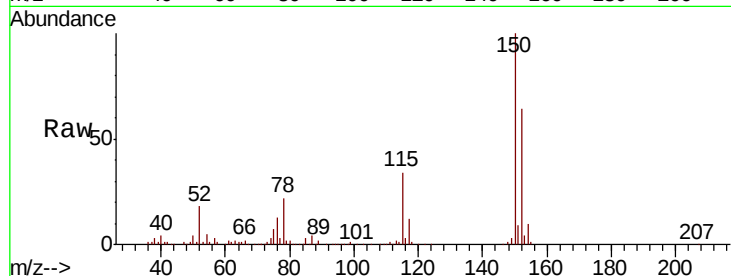
Tot Ion:152 Resp: 51511

Ion Ratio Lower Upper

152 100

115 54.2 26.6 79.8

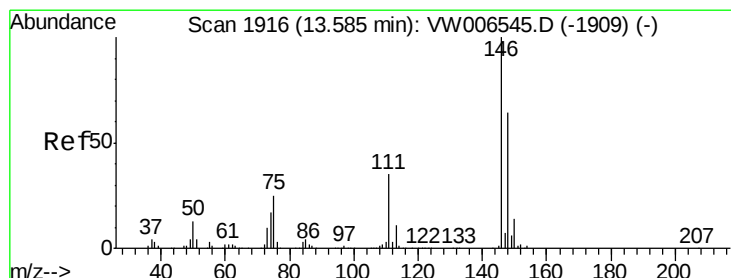
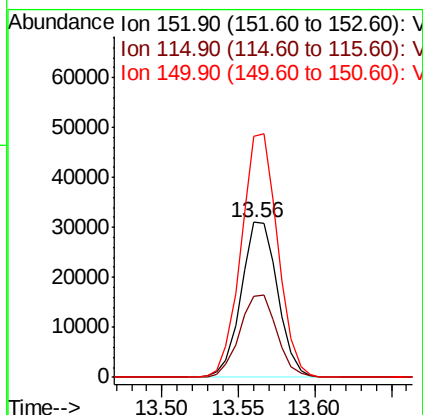
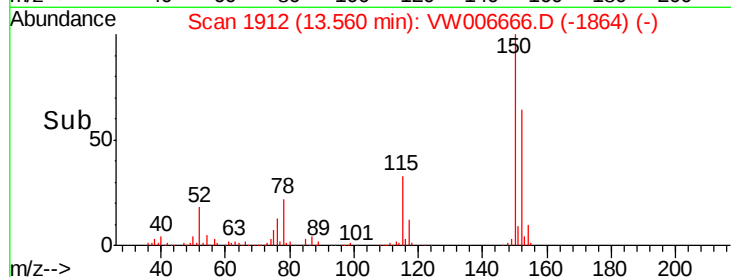
150 156.5 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#88

1,4-Dichlorobenzene

Concen: 2.775 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006666.D

Acq: 06 Nov 2018 05:54

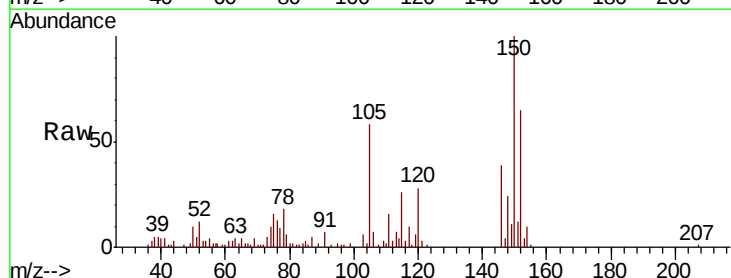
Tgt Ion:146 Resp: 4760

Ion Ratio Lower Upper

146 100

111 59.6 17.9 53.7#

148 66.6 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

