

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\  
 Data File : VW008892.D  
 Acq On : 28 Feb 2019 17:23  
 Operator : SY/VA  
 Sample : K1650-15  
 Misc : 6.34G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-7(9-10)

Quant Time: Mar 01 07:54:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 22 00:38:32 2019  
 Response via : Initial Calibration

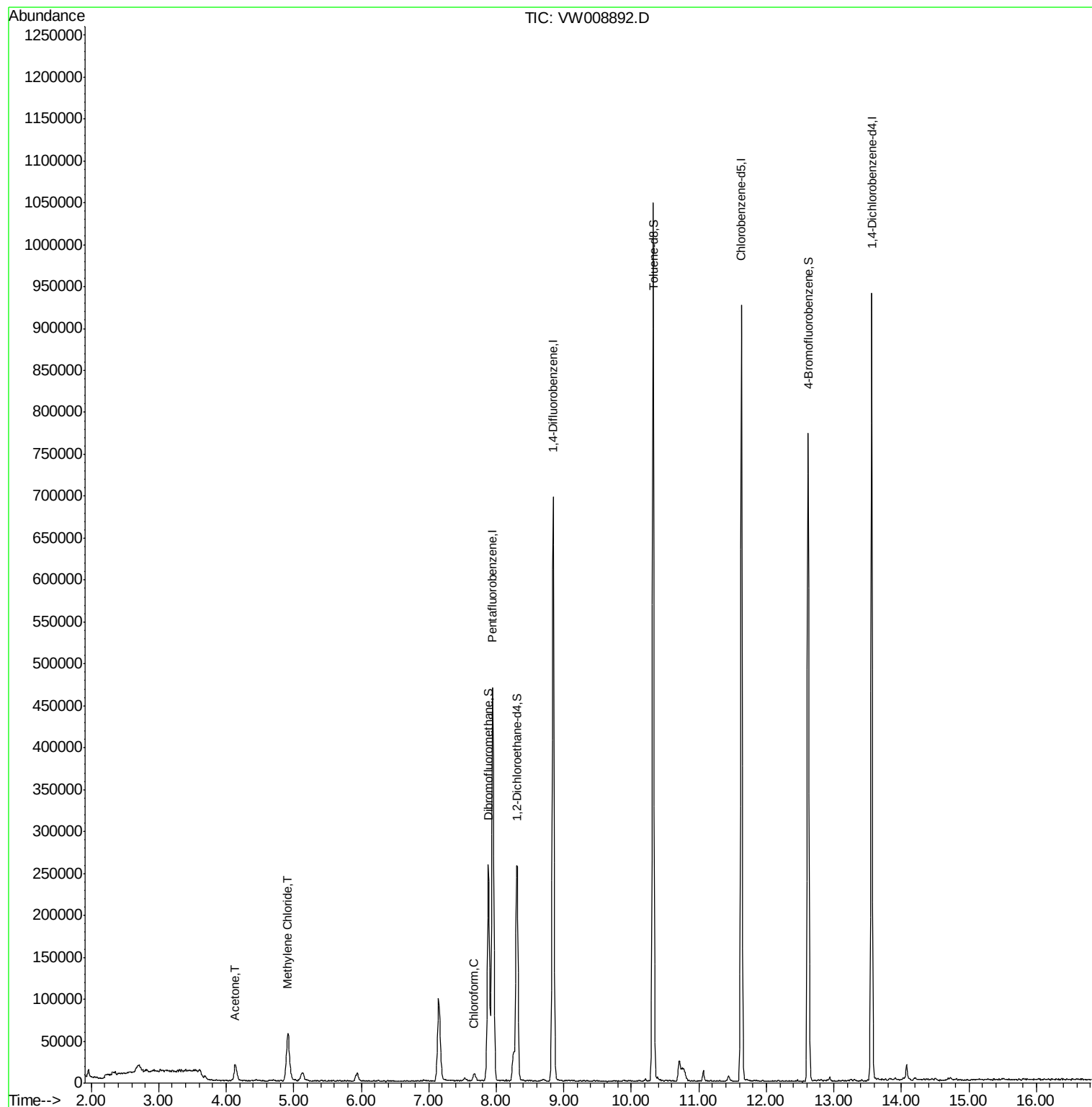
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 363160   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 563660   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 496295   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 232210   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.30  | 65   | 197001   | 57.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.68% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 176375   | 52.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.24% |          |
| 50) Toluene-d8              | 10.32 | 98   | 664932   | 50.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.80% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 225306   | 44.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.10%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 4.13  | 43   | 34722    | 43.979 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.92  | 84   | 43009    | 6.626  | ug/l    | 90       |
| 30) Chloroform              | 7.68  | 83   | 6799     | 1.045  | ug/l    | 84       |

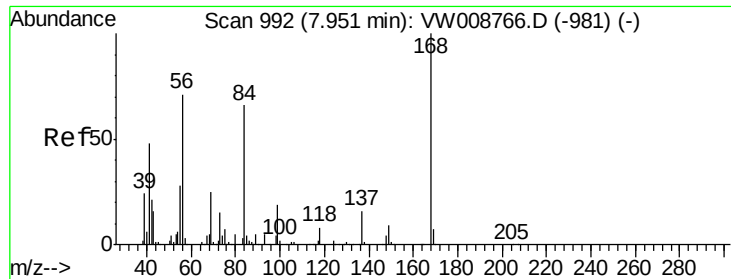
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\  
Data File : VW008892.D  
Acq On : 28 Feb 2019 17:23  
Operator : SY/VA  
Sample : K1650-15  
Misc : 6.34G/5ML/MSVOA W/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
B-7(9-10)

Quant Time: Mar 01 07:54:09 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W022119S.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 22 00:38:32 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA\_W

ClientSampleId :

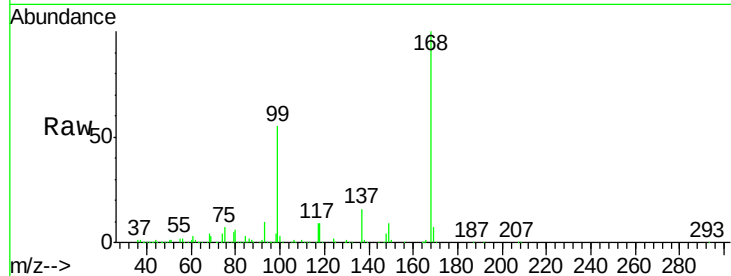
B-7(9-10)

Tot Ion:168 Resp: 363160

Ion Ratio Lower Upper

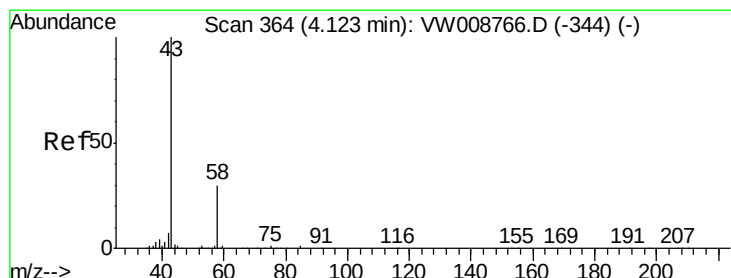
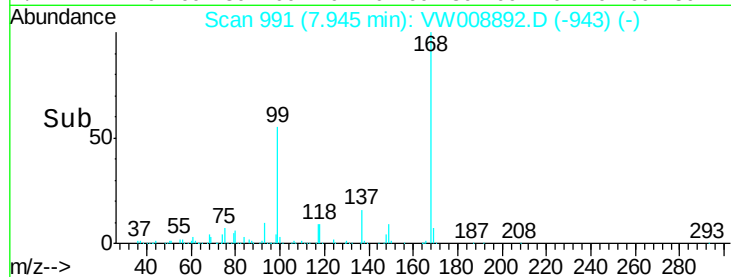
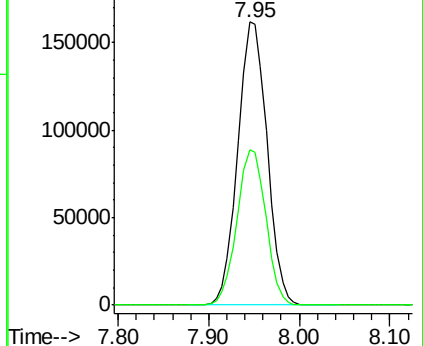
168 100

99 55.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 43.979 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008892.D

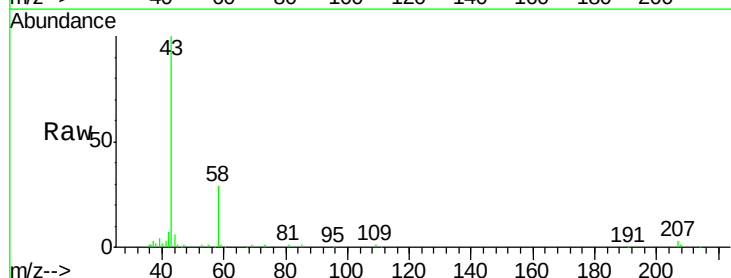
Acq: 28 Feb 2019 17:23

Tgt Ion: 43 Resp: 34722

Ion Ratio Lower Upper

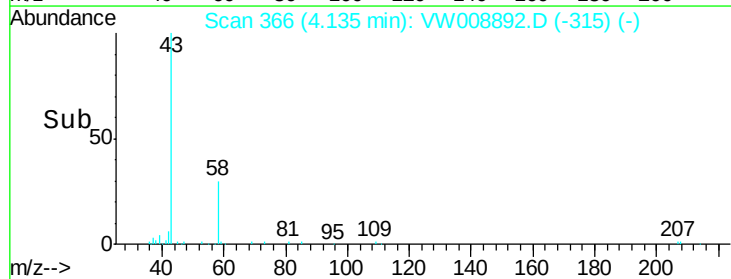
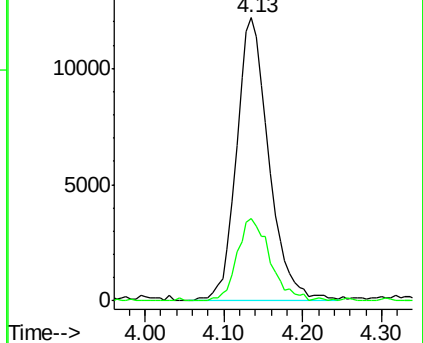
43 100

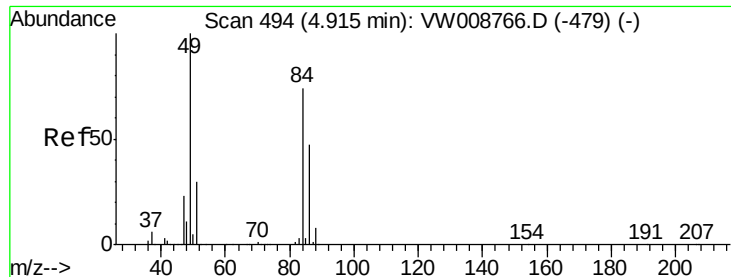
58 29.0 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

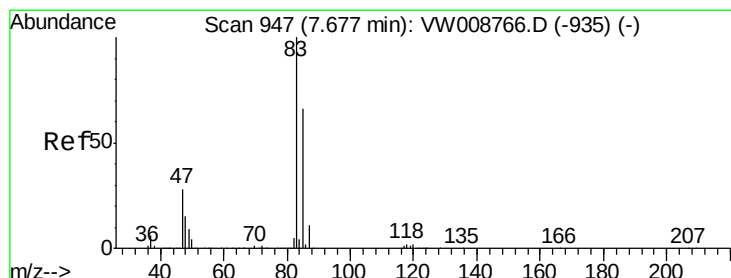
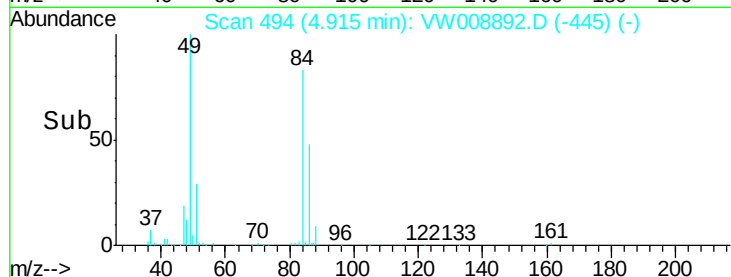
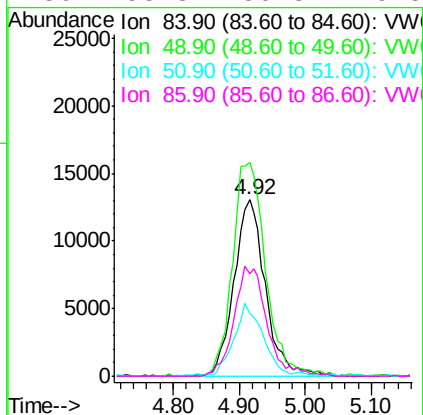
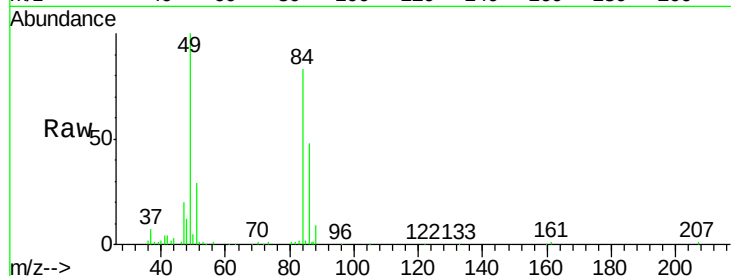




#20  
Methylene Chloride  
Concen: 6.626 ug/l  
RT: 4.92 min Scan# 494  
Delta R.T. 0.00 min  
Lab File: VW008892.D  
Acq: 28 Feb 2019 17:23

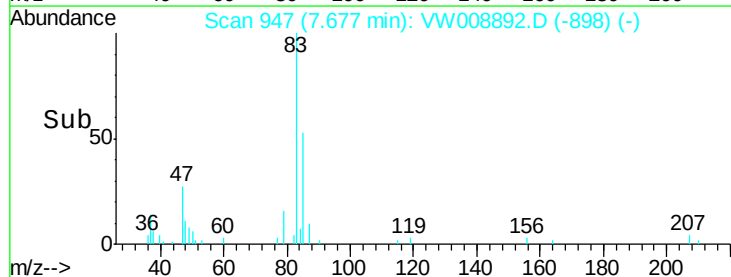
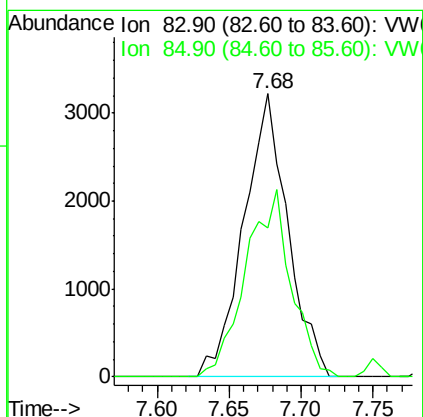
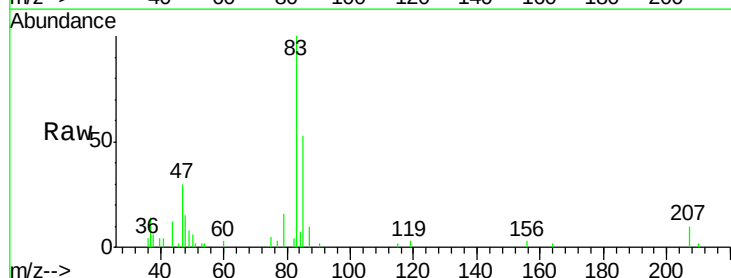
Instrument :  
MSVOA\_W  
ClientSampleId :  
B-7(9-10)

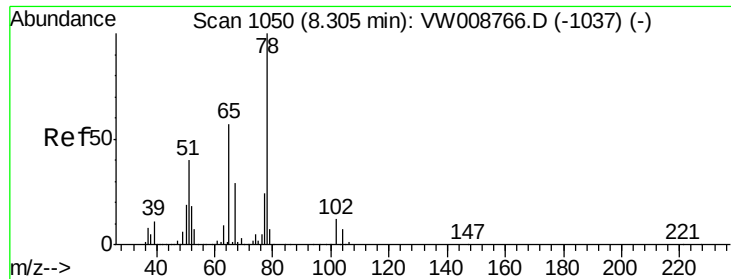
Tot Ion: 84 Resp: 43009  
Ion Ratio Lower Upper  
84 100  
49 121.0 108.2 162.2  
51 34.9 32.7 49.1  
86 58.3 50.3 75.5



#30  
Chloroform  
Concen: 1.045 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. -0.00 min  
Lab File: VW008892.D  
Acq: 28 Feb 2019 17:23

Tgt Ion: 83 Resp: 6799  
Ion Ratio Lower Upper  
83 100  
85 52.8 52.6 79.0

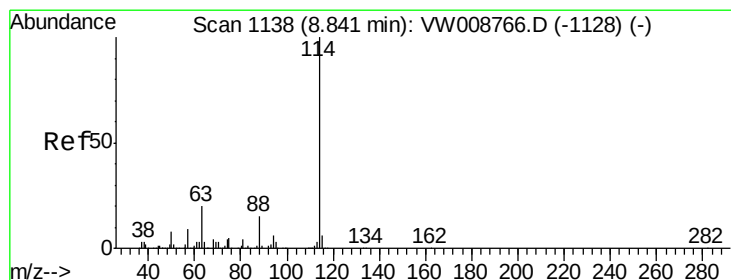
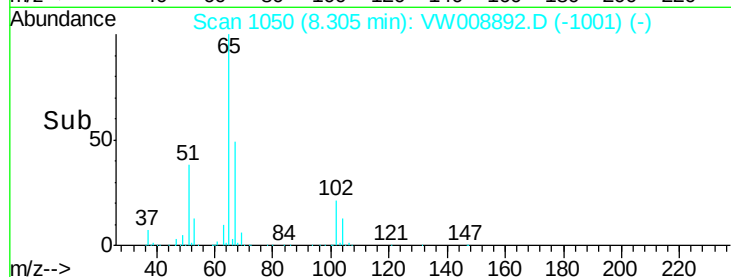
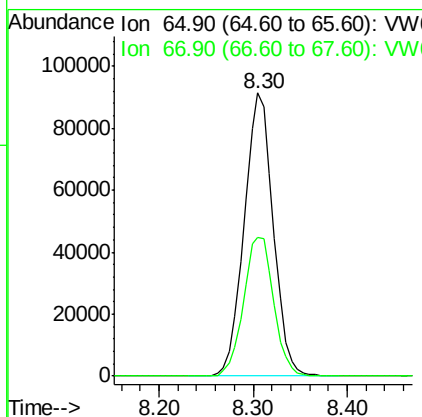
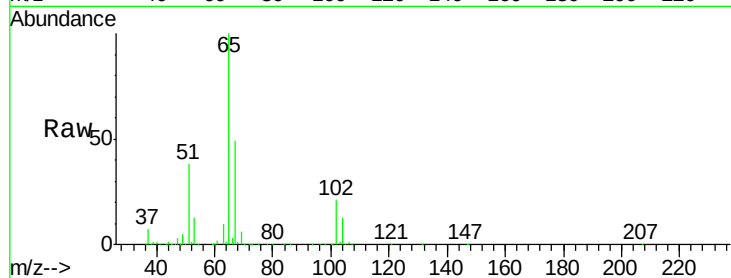




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.837 ug/l  
 RT: 8.30 min Scan# 1050  
 Delta R.T. -0.00 min  
 Lab File: VW008892.D  
 Acq: 28 Feb 2019 17:23

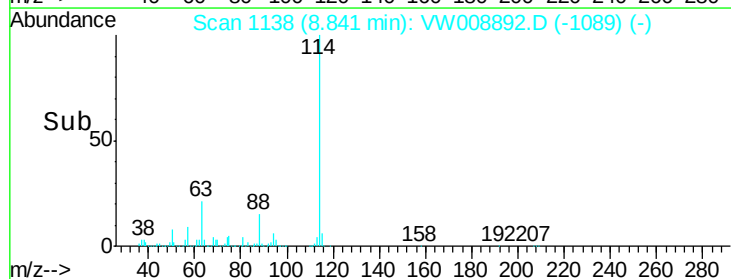
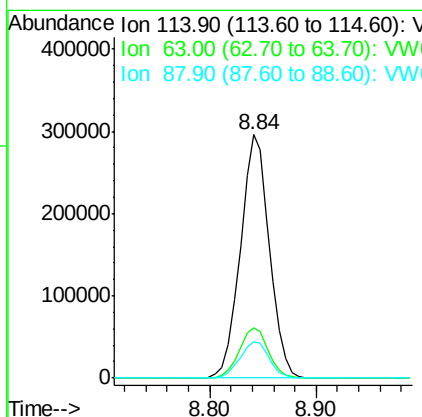
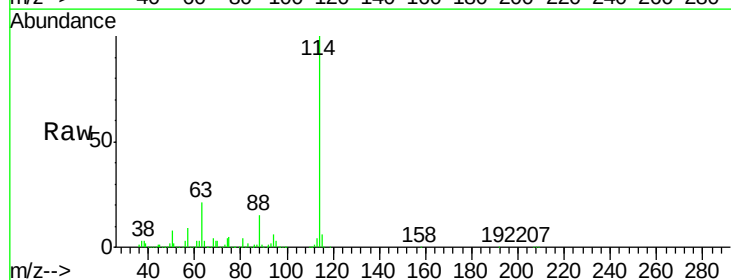
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 B-7(9-10)

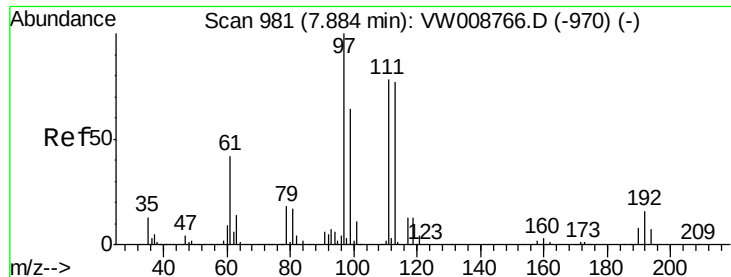
Tot Ion: 65 Resp: 197001  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 101.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1138  
 Delta R.T. -0.00 min  
 Lab File: VW008892.D  
 Acq: 28 Feb 2019 17:23

Tgt Ion: 114 Resp: 563660  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 40.8  
 88 14.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.116 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA\_W

ClientSampleId :

B-7(9-10)

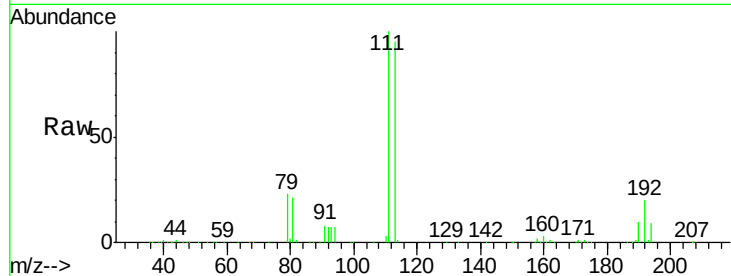
Tot Ion:113 Resp: 176375

Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

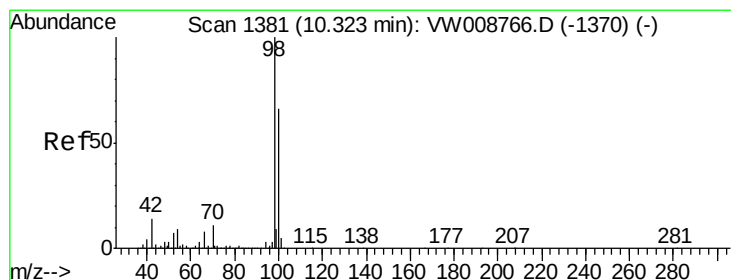
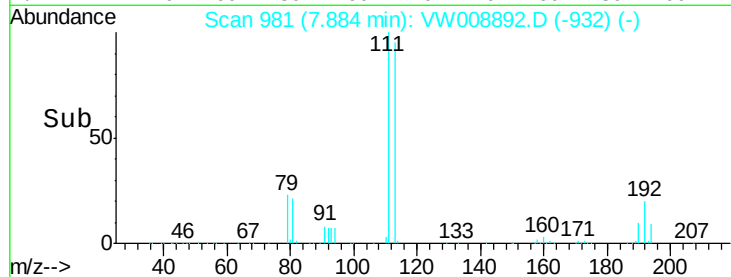
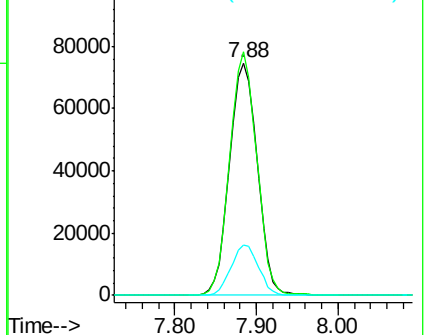
192 21.3 17.1 25.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 50.897 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008892.D

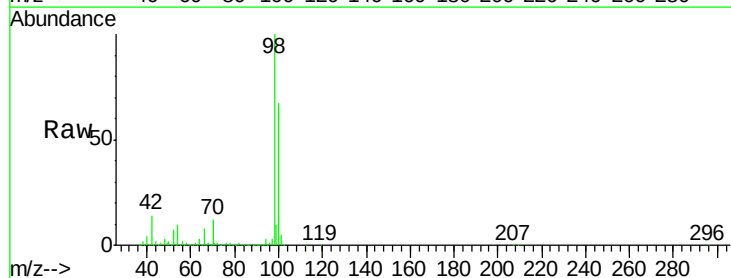
Acq: 28 Feb 2019 17:23

Tgt Ion: 98 Resp: 664932

Ion Ratio Lower Upper

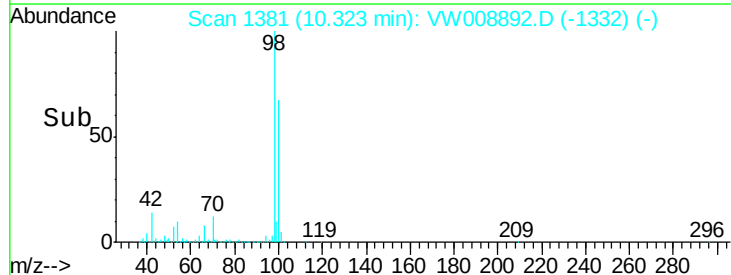
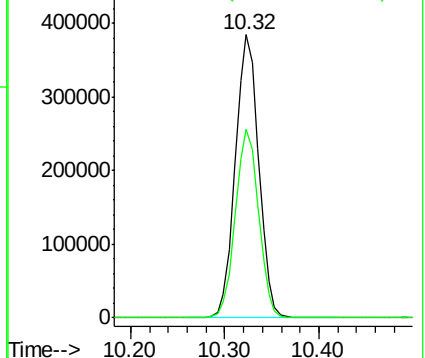
98 100

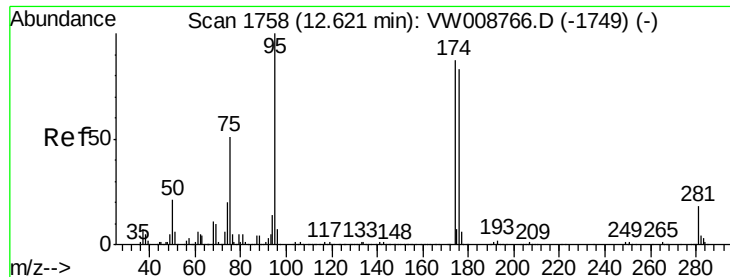
100 66.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 44.046 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA\_W

ClientSampleId :

B-7(9-10)

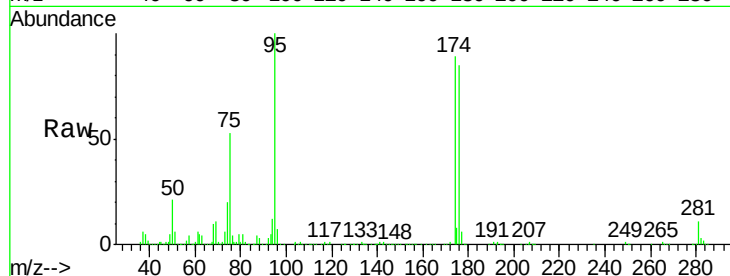
Tot Ion: 95 Resp: 225306

Ion Ratio Lower Upper

95 100

174 87.4 0.0 169.2

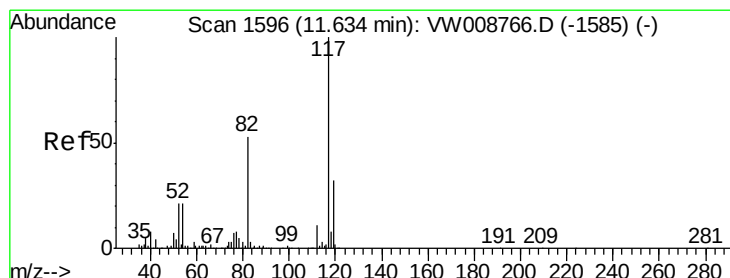
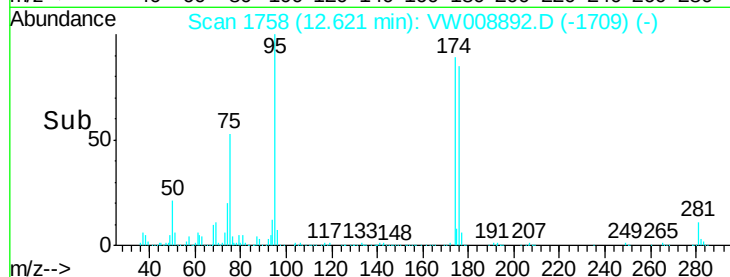
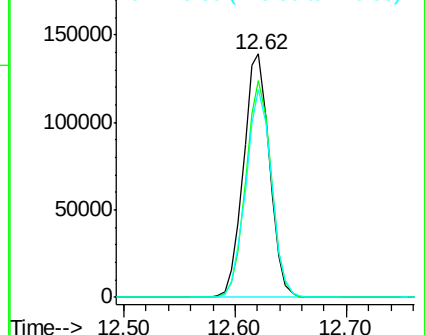
176 84.7 0.0 163.6



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: VW008892.D

Acq: 28 Feb 2019 17:23

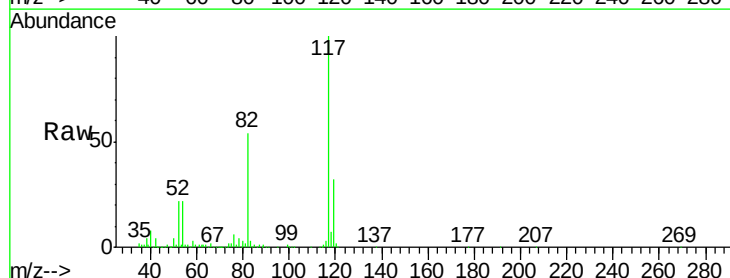
Tgt Ion: 117 Resp: 496295

Ion Ratio Lower Upper

117 100

82 54.3 42.2 63.4

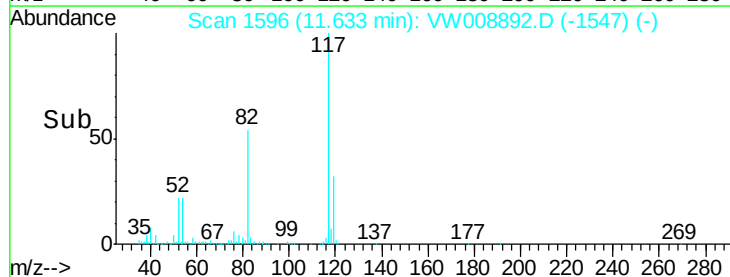
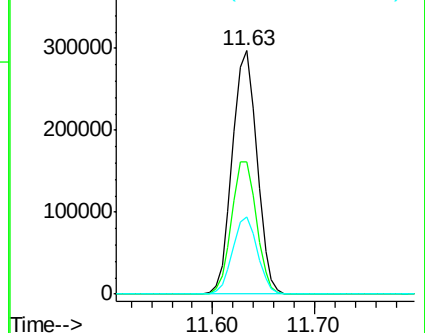
119 31.6 25.9 38.9

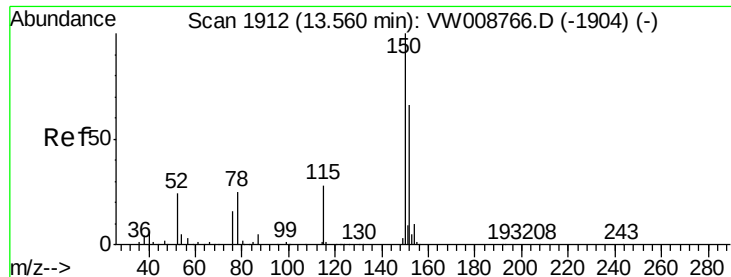


Abundance Ion 116.90 (116.60 to 117.60): VW

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. -0.00 min

Lab File: VW008892.D

Acq: 28 Feb 2019 17:23

Instrument :

MSVOA\_W

ClientSampleId :

B-7(9-10)

Tot Ion:152 Resp: 232210

Ion Ratio Lower Upper

152 100

115 57.6 28.6 85.8

150 156.4 0.0 348.0

