

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\  
 Data File : VW009002.D  
 Acq On : 05 Mar 2019 17:43  
 Operator : SY/VA  
 Sample : K1688-05  
 Misc : 6.39G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JC-03-030119-C

Quant Time: Mar 06 07:47:34 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

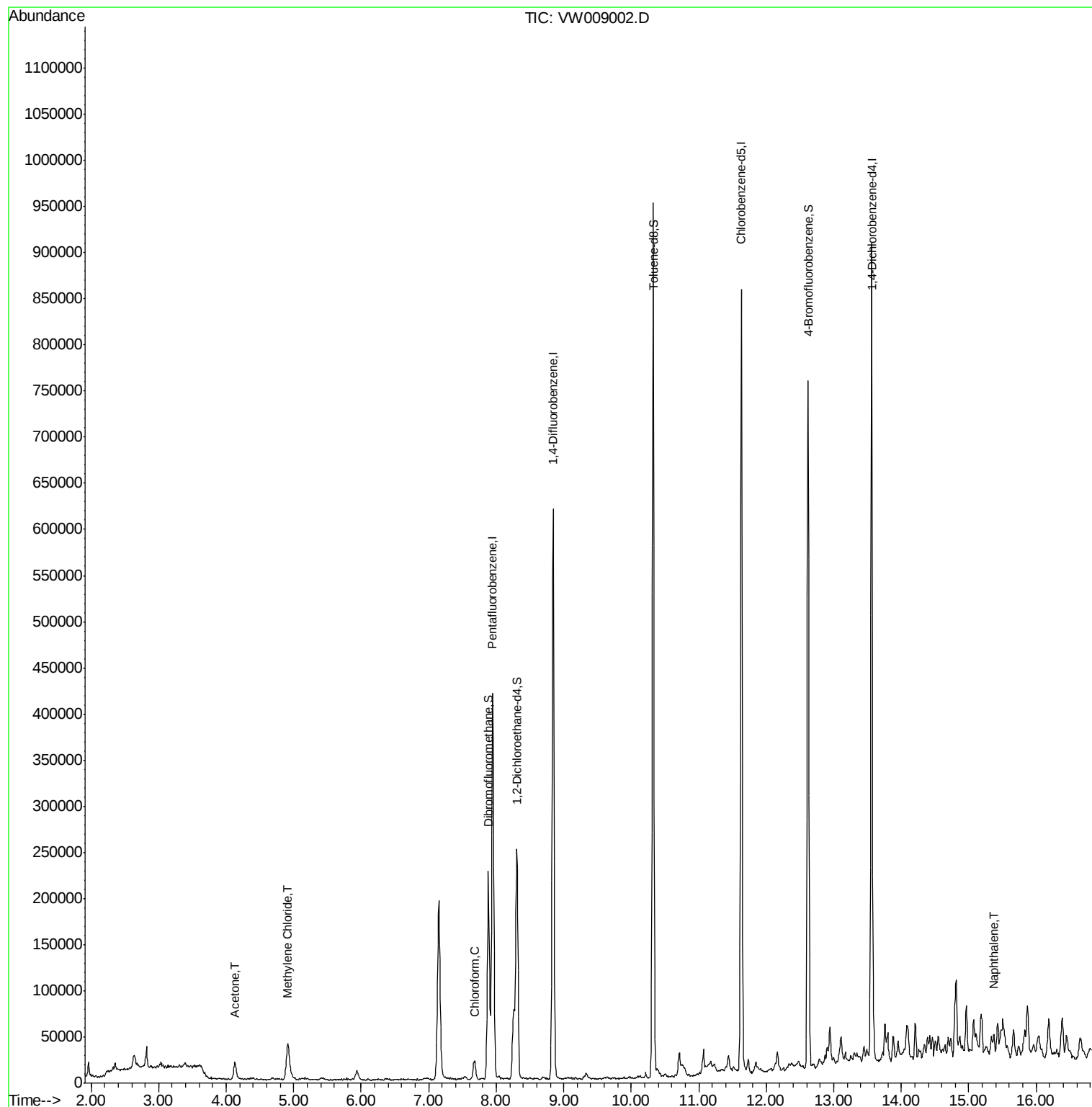
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 318562   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 501108   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 460418   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.56 | 152  | 221654   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 178554   | 59.76  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.52% |            |
| 35) Dibromofluoromethane    | 7.88  | 113  | 150304   | 49.96  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.92%  |            |
| 50) Toluene-d8              | 10.32 | 98   | 609508   | 52.48  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.96% |            |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 215517   | 47.39  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.78%  |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 4.12  | 43   | 32235    | 46.545 | ug/l    | Qvalue 100 |
| 20) Methylene Chloride      | 4.91  | 84   | 29516    | 3.946  | ug/l    | 92         |
| 30) Chloroform              | 7.68  | 83   | 16829    | 2.948  | ug/l    | 95         |
| 95) Naphthalene             | 15.37 | 128  | 15161    | 1.862  | ug/l    | 99         |

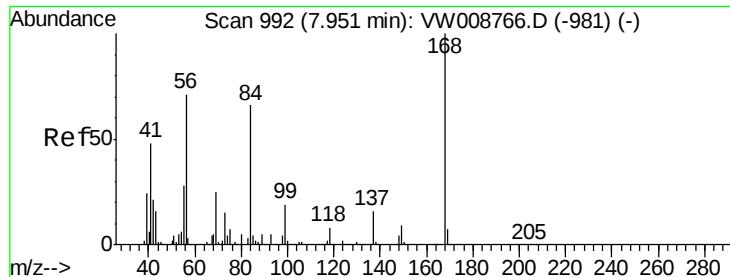
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\  
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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# 992

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA\_W

ClientSampleId :

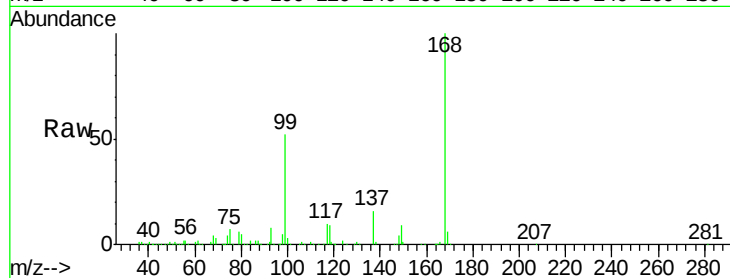
JC-03-030119-C

Tot Ion:168 Resp: 318562

Ion Ratio Lower Upper

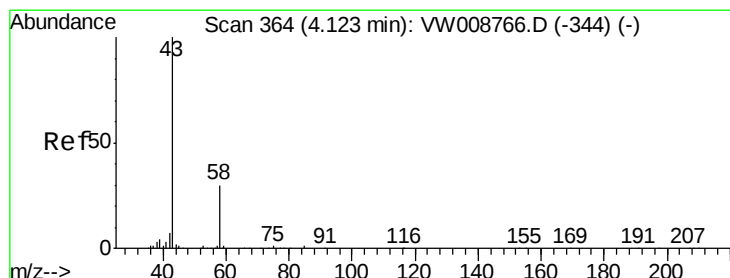
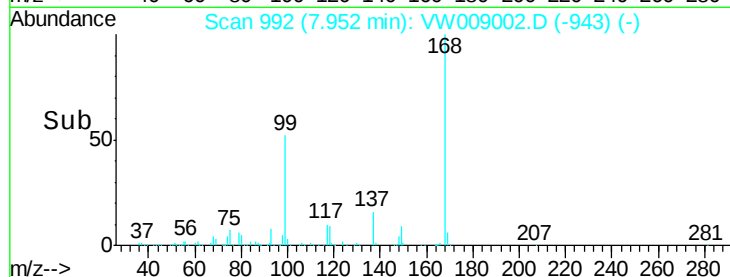
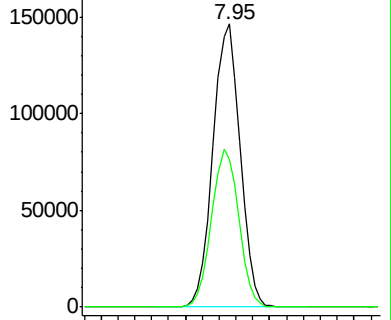
168 100

99 52.2 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: 46.545 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW009002.D

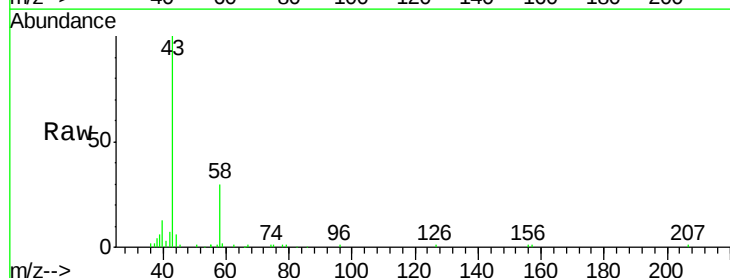
Acq: 05 Mar 2019 17:43

Tgt Ion: 43 Resp: 32235

Ion Ratio Lower Upper

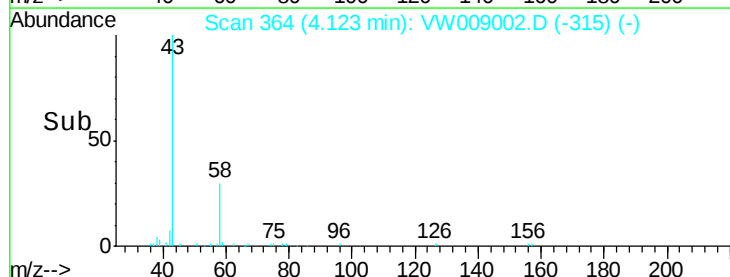
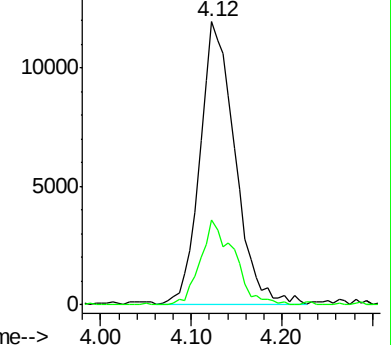
43 100

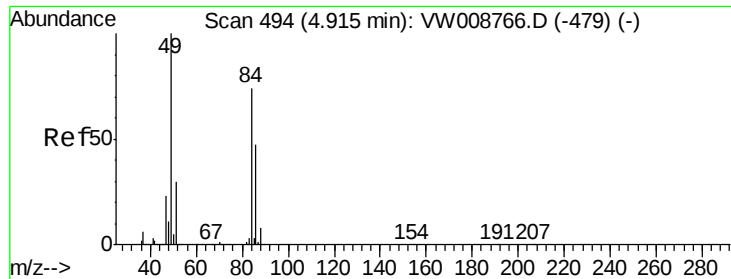
58 29.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

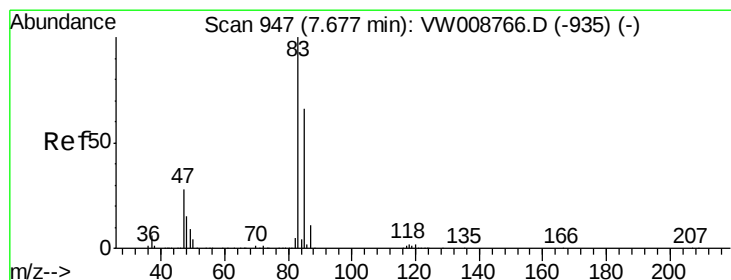
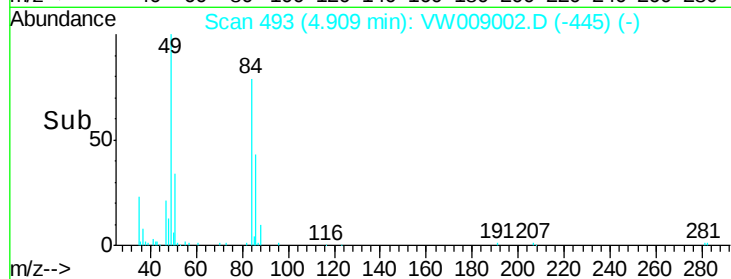
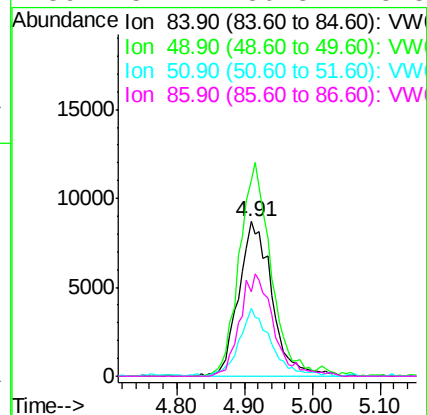
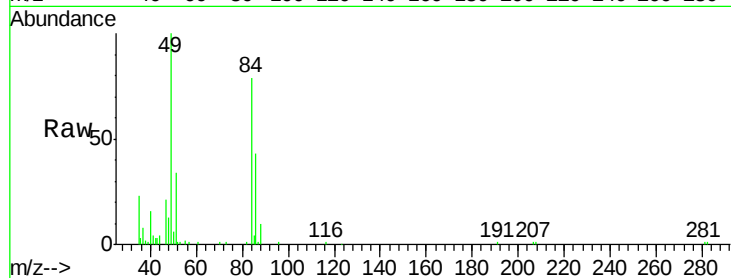




#20  
Methvlene Chloride  
Concen: 3.946 ug/l  
RT: 4.91 min Scan# 493  
Delta R.T. -0.01 min  
Lab File: VW009002.D  
Acq: 05 Mar 2019 17:43

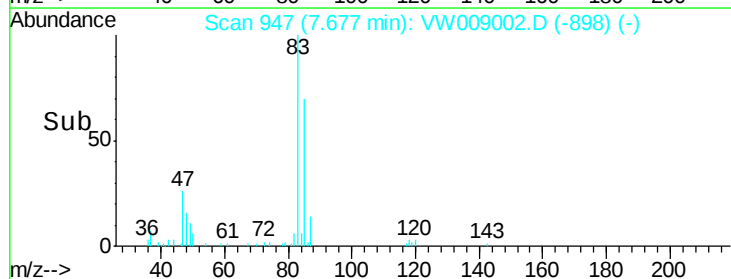
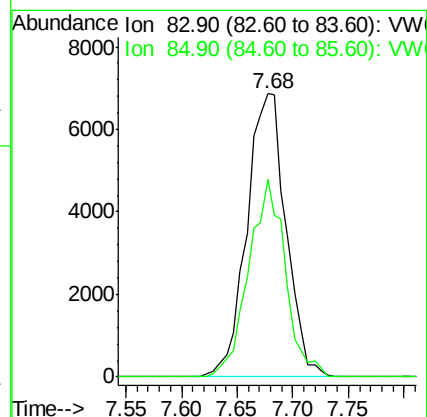
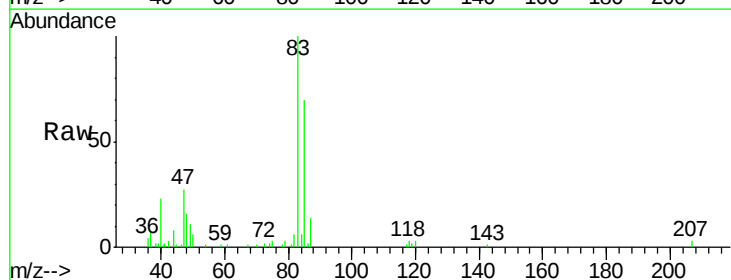
Instrument :  
MSVOA\_W  
ClientSampleId :  
JC-03-030119-C

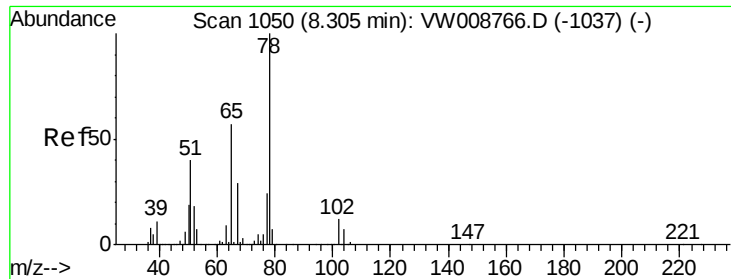
Tot Ion: 84 Resp: 29516  
Ion Ratio Lower Upper  
84 100  
49 126.9 108.2 162.2  
51 43.8 32.7 49.1  
86 54.4 50.3 75.5



#30  
Chloroform  
Concen: 2.948 ug/l  
RT: 7.68 min Scan# 947  
Delta R.T. 0.00 min  
Lab File: VW009002.D  
Acq: 05 Mar 2019 17:43

Tgt Ion: 83 Resp: 16829  
Ion Ratio Lower Upper  
83 100  
85 70.0 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 59.760 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA\_W

ClientSampleId :

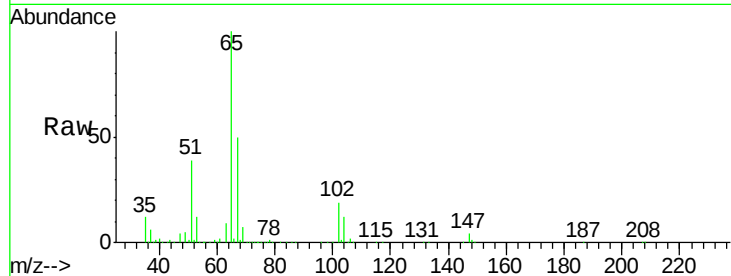
JC-03-030119-C

Tot Ion: 65 Resp: 178554

Ion Ratio Lower Upper

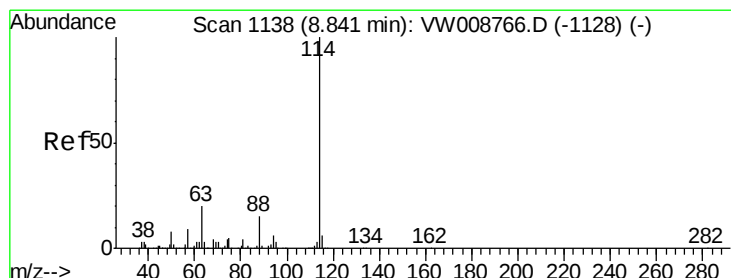
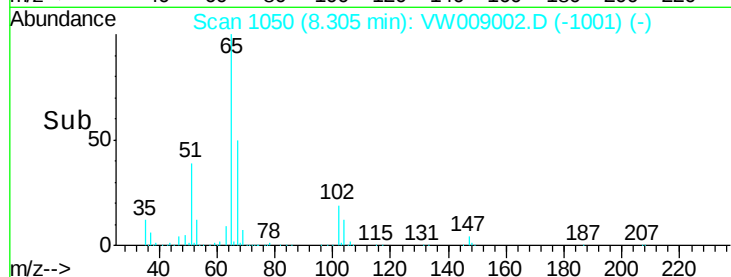
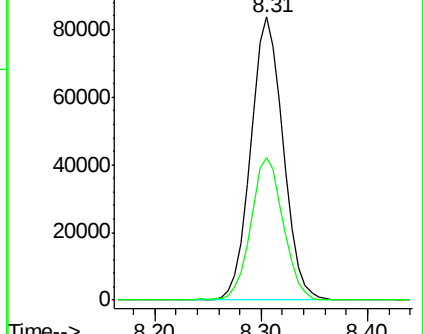
65 100

67 50.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

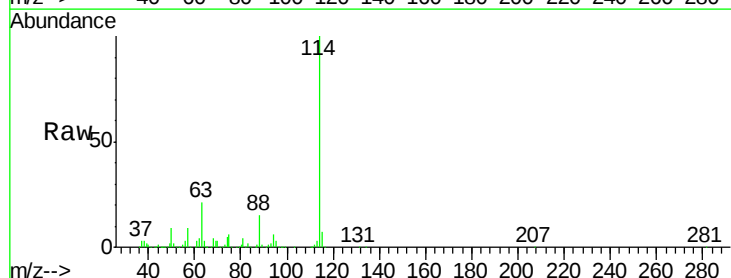
Tgt Ion: 114 Resp: 501108

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

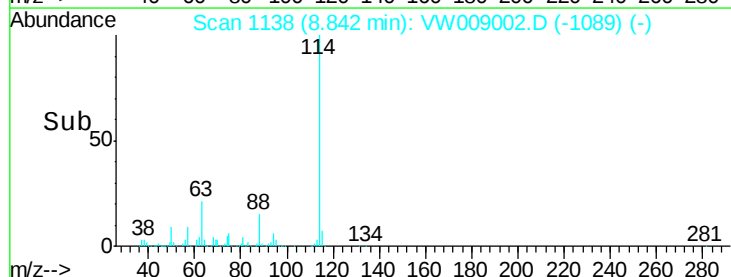
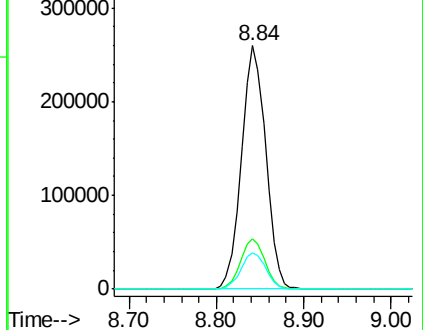
88 14.6 0.0 30.4

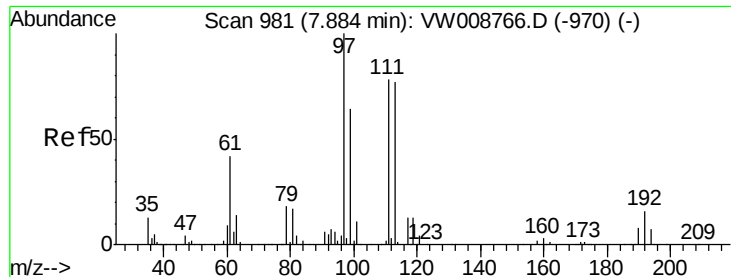


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 49.956 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA\_W

ClientSampleId :

JC-03-030119-C

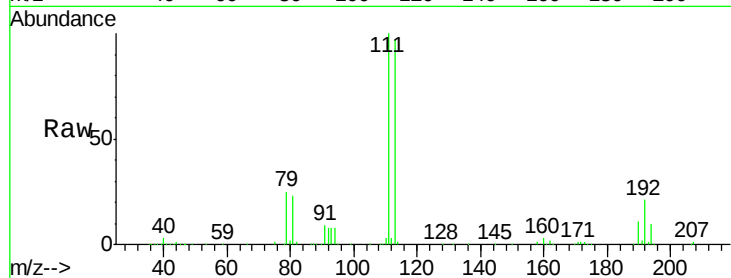
Tot Ion:113 Resp: 150304

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

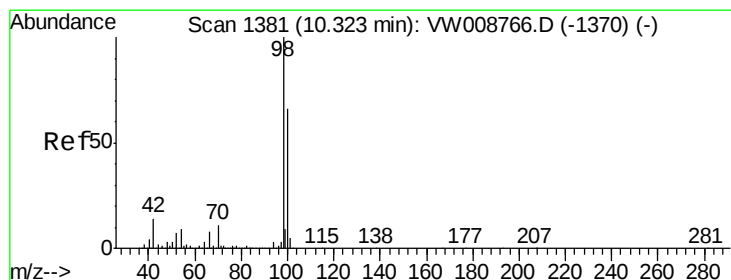
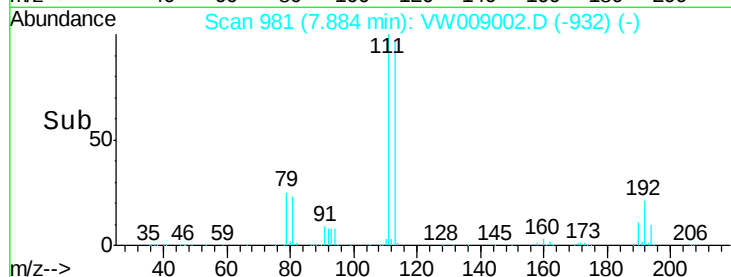
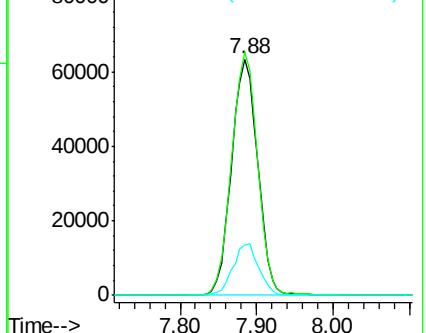
192 21.4 17.1 25.7



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: 52.478 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009002.D

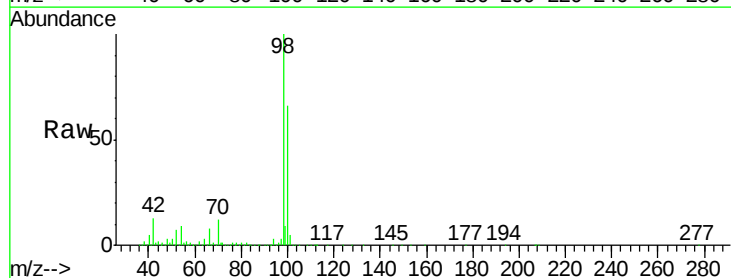
Acq: 05 Mar 2019 17:43

Tgt Ion: 98 Resp: 609508

Ion Ratio Lower Upper

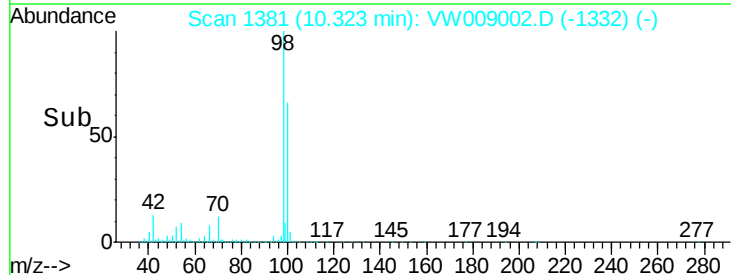
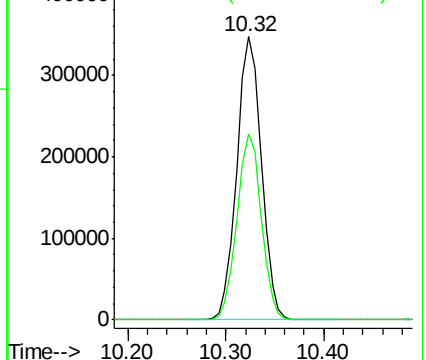
98 100

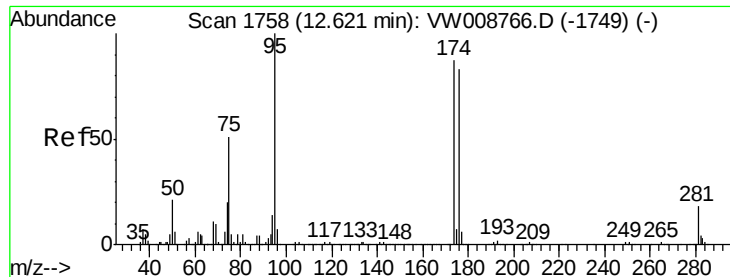
100 65.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.392 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA\_W

ClientSampleId :

JC-03-030119-C

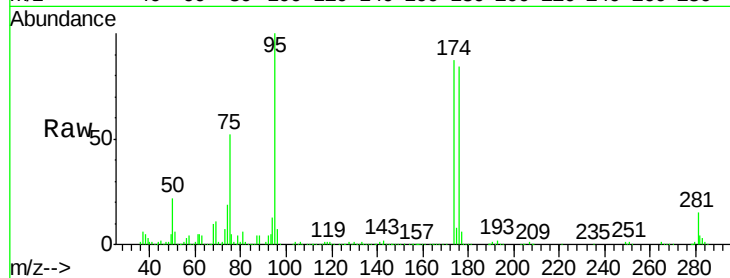
Tot Ion: 95 Resp: 215517

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.2

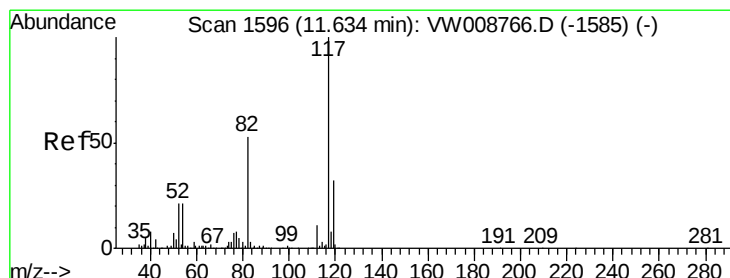
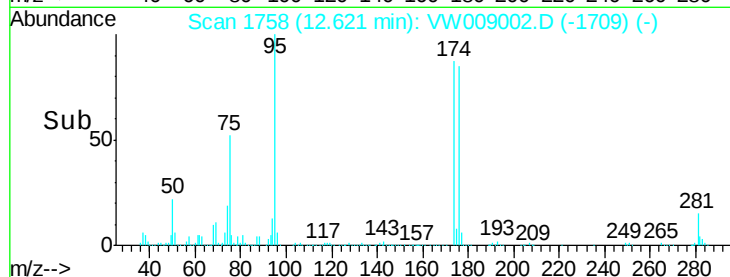
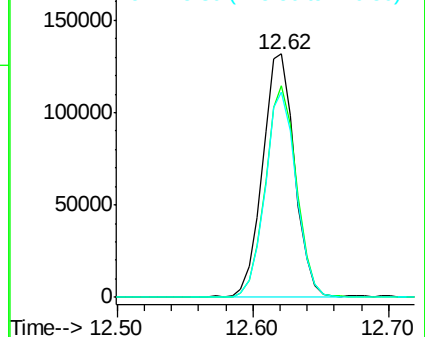
176 82.7 0.0 163.6



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: VW009002.D

Acq: 05 Mar 2019 17:43

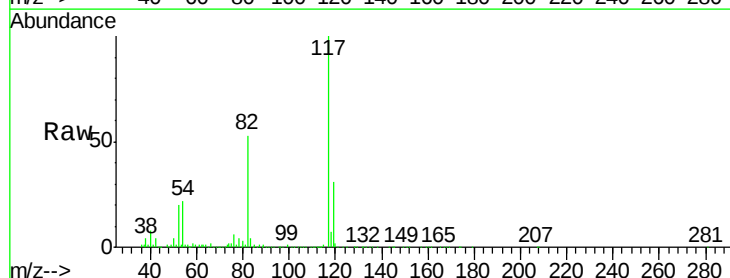
Tgt Ion: 117 Resp: 460418

Ion Ratio Lower Upper

117 100

82 53.4 42.2 63.4

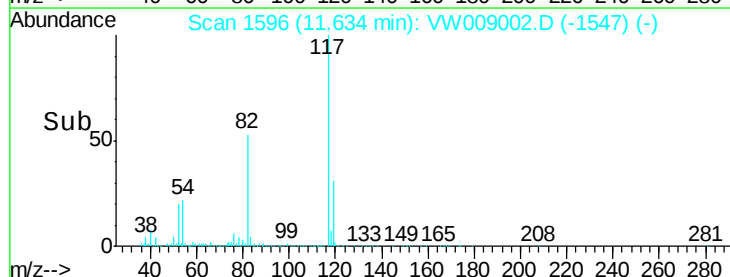
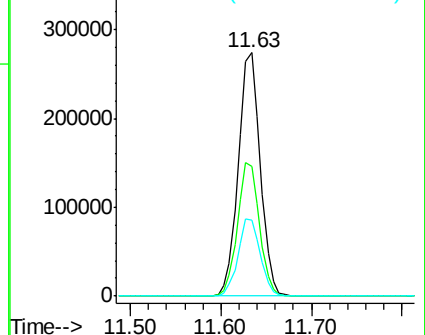
119 31.2 25.9 38.9

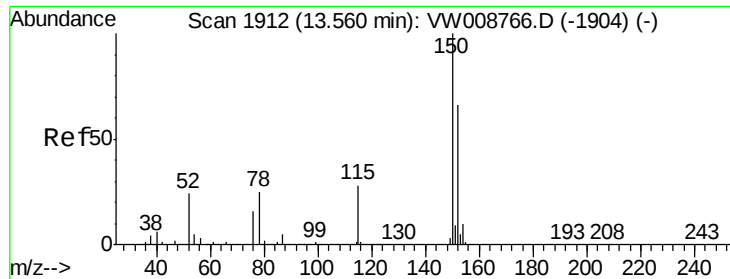


Abundance Ion 116.90 (116.60 to 117.60): VW

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: VW009002.D

Acq: 05 Mar 2019 17:43

Instrument :

MSVOA\_W

ClientSampleId :

JC-03-030119-C

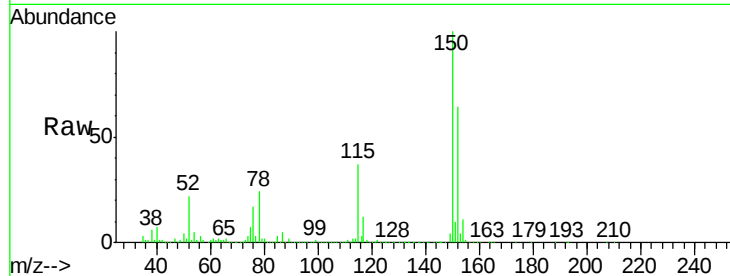
Tot Ion:152 Resp: 221654

Ion Ratio Lower Upper

152 100

115 57.4 28.6 85.8

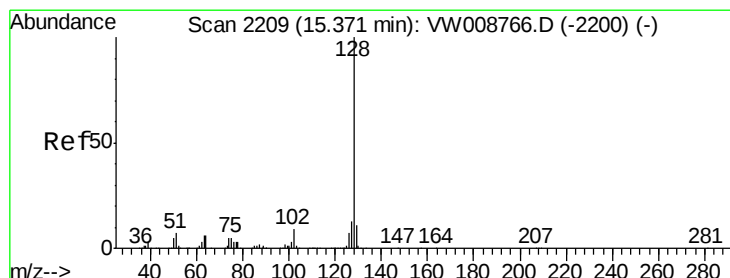
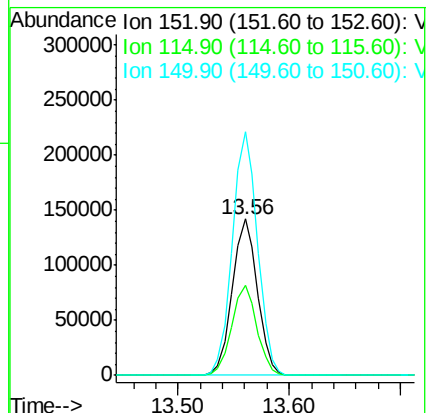
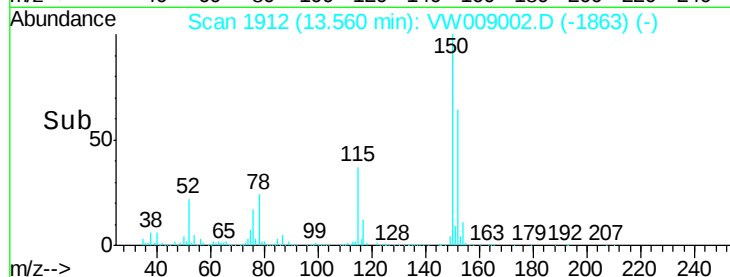
150 155.8 0.0 348.0



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



#95

Naphthalene

Concen: 1.862 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009002.D

Acq: 05 Mar 2019 17:43

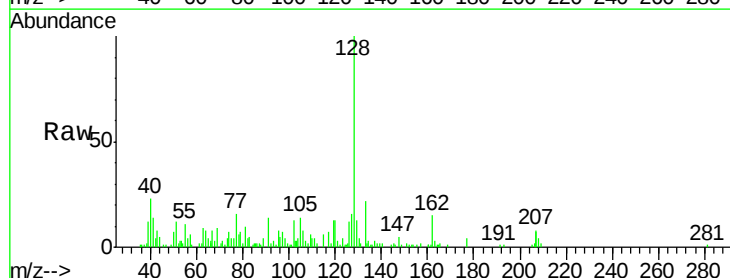
Tgt Ion:128 Resp: 15161

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

