

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091818\  
 Data File : VW005481.D  
 Acq On : 18 Sep 2018 16:14  
 Operator : SY/AP  
 Sample : J4959-01  
 Misc : 5.09G/5ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BACKFILL-SW2

Quant Time: Sep 18 18:12:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091618S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 15 02:32:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 279462   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 444678   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 425444   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 200870   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 125053   | 43.11 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.22% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 99028    | 39.72 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 79.44% |          |
| 50) Toluene-d8              | 10.33 | 98   | 409994   | 35.91 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 71.82% |          |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 149076   | 35.61 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 71.22% |          |

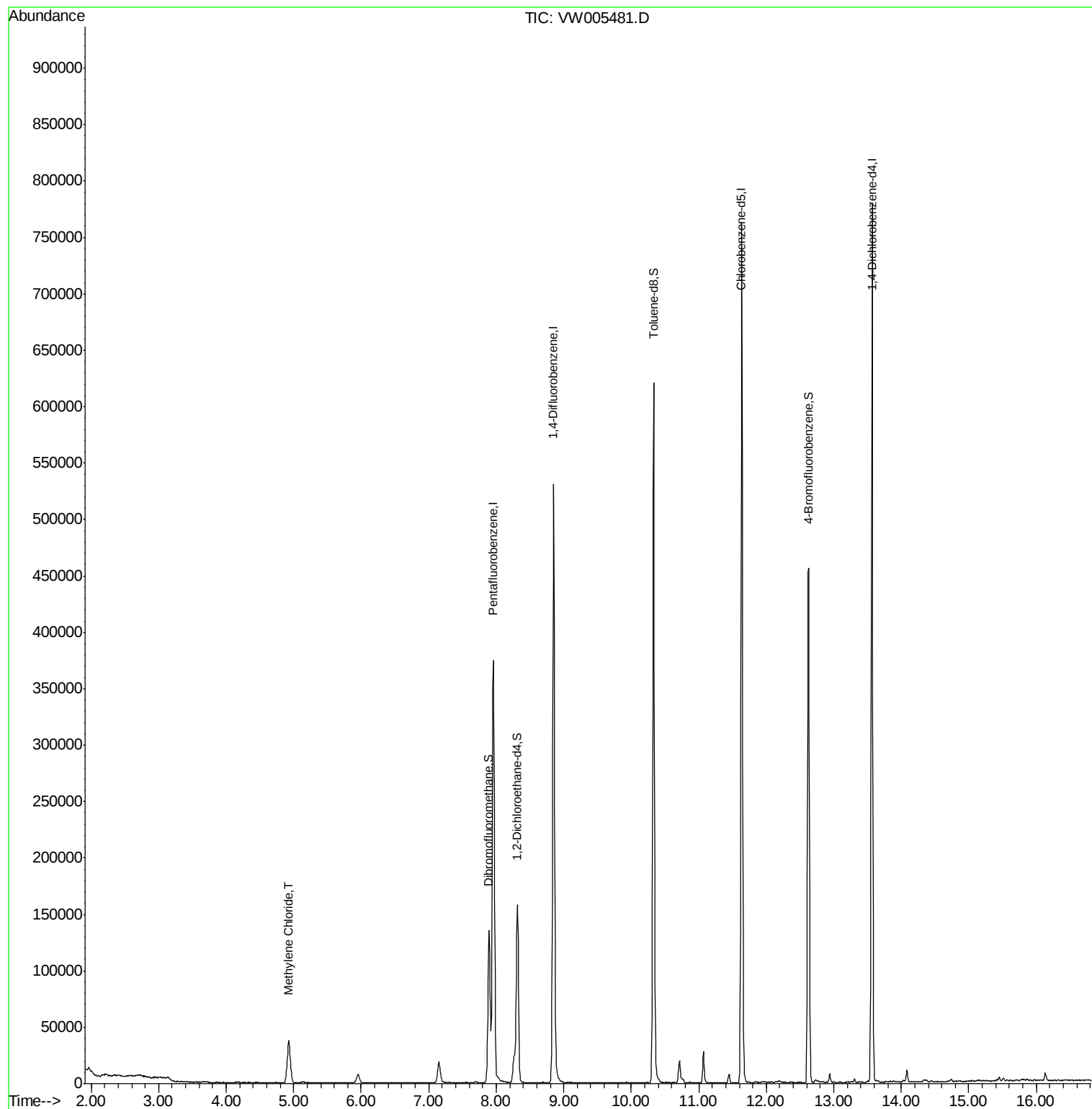
| Target Compounds       | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------|------|------|----------|------|-------|--------|
| 20) Methylene Chloride | 4.93 | 84   | 28131    | 4.56 | ug/l  | 95     |

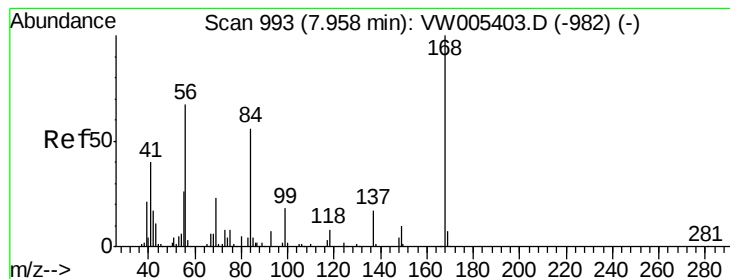
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BACKFILL-SW2

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W091618S.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 15 02:32:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW005481.D

Acq: 18 Sep 2018 16:14

Instrument :

MSVOA\_W

ClientSampleId :

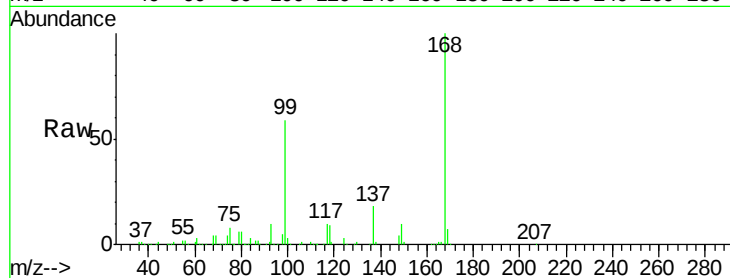
BACKFILL-SW2

Tot Ion:168 Resp: 279462

Ion Ratio Lower Upper

168 100

99 59.3 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

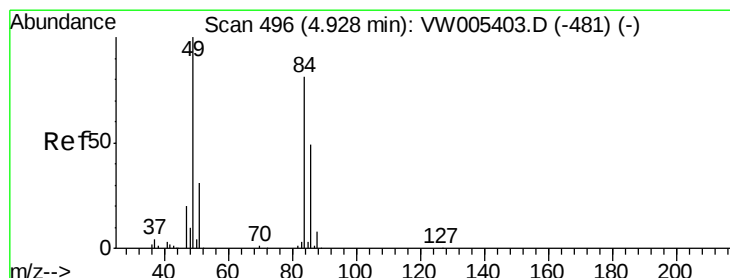
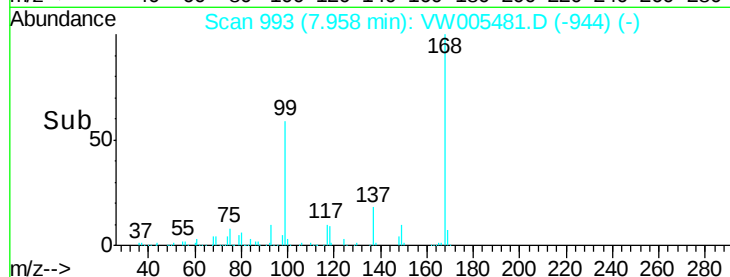
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 4.56 ug/l

RT: 4.93 min Scan# 496

Delta R.T. 0.00 min

Lab File: VW005481.D

Acq: 18 Sep 2018 16:14

Tgt Ion: 84 Resp: 28131

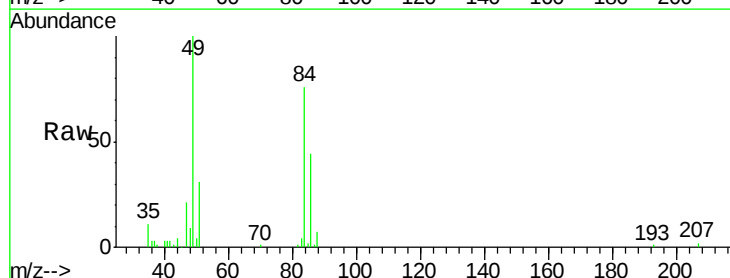
Ion Ratio Lower Upper

84 100

49 131.3 99.3 148.9

51 40.8 31.1 46.7

86 57.5 49.1 73.7



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

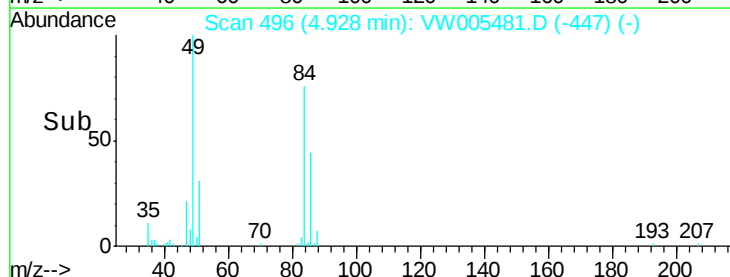
15000

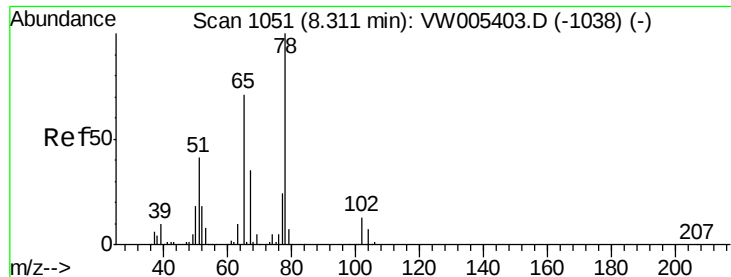
10000

5000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.11 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VW005481.D

Acq: 18 Sep 2018 16:14

Instrument :

MSVOA\_W

ClientSampleId :

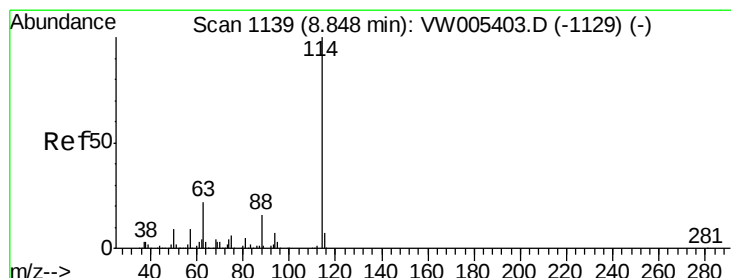
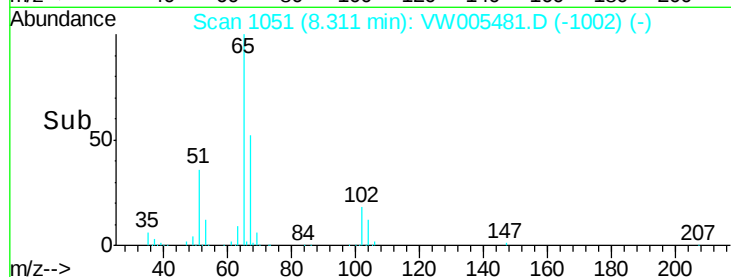
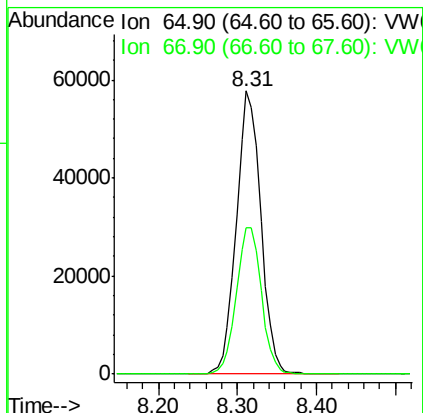
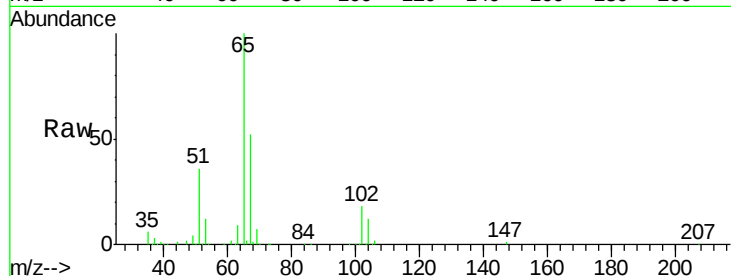
BACKFILL-SW2

Tot Ion: 65 Resp: 125053

Ion Ratio Lower Upper

65 100

67 53.3 0.0 100.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW005481.D

Acq: 18 Sep 2018 16:14

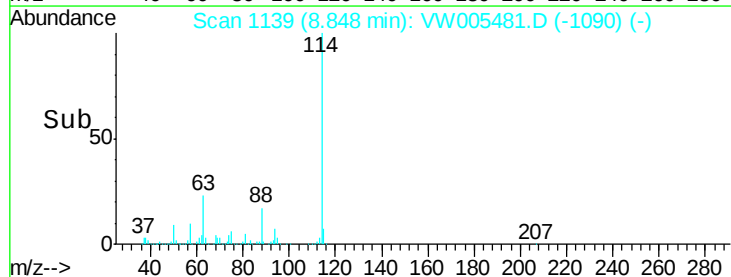
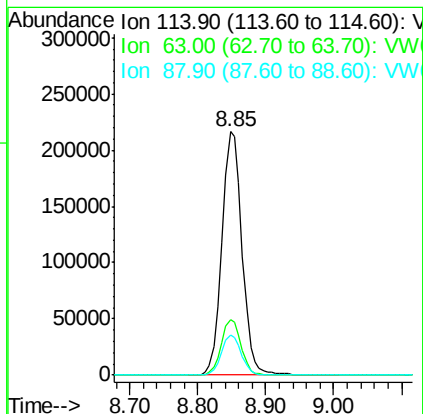
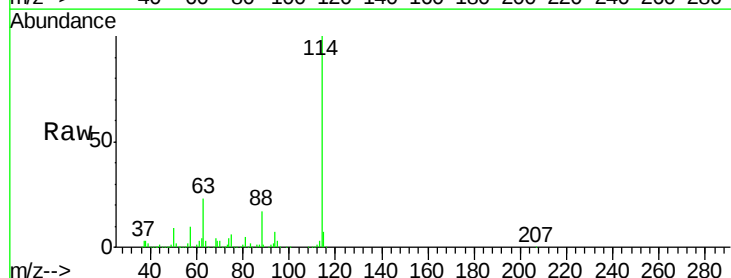
Tgt Ion: 114 Resp: 444678

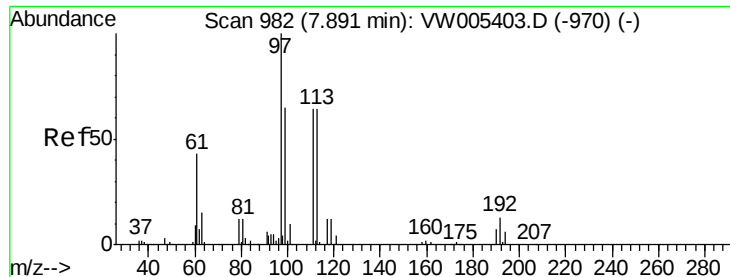
Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 16.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 39.72 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW005481.D

Acq: 18 Sep 2018 16:14

Instrument :

MSVOA\_W

ClientSampleId :

BACKFILL-SW2

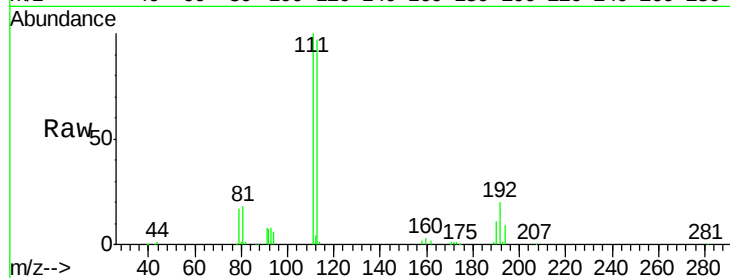
Tot Ion:113 Resp: 99028

Ion Ratio Lower Upper

113 100

111 102.6 82.3 123.5

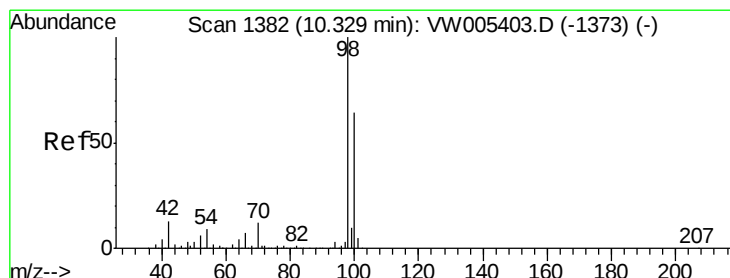
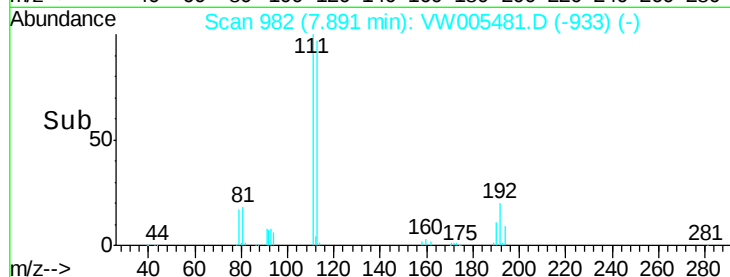
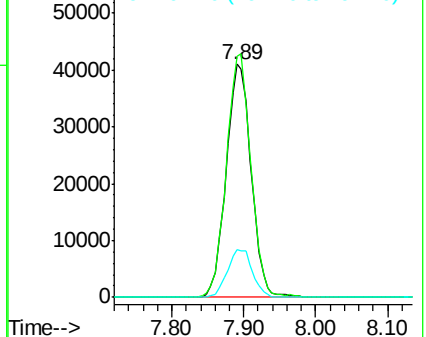
192 20.7 16.5 24.7



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: 35.91 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005481.D

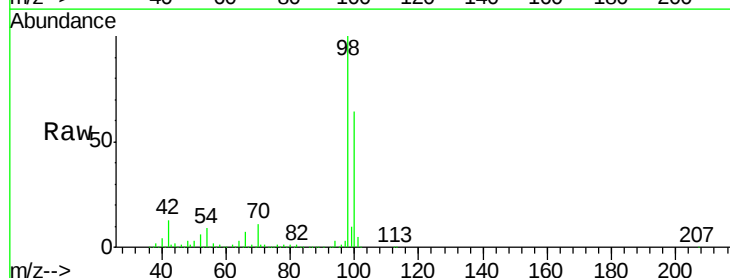
Acq: 18 Sep 2018 16:14

Tgt Ion: 98 Resp: 409994

Ion Ratio Lower Upper

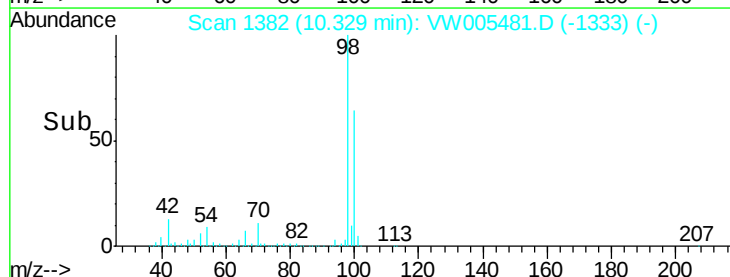
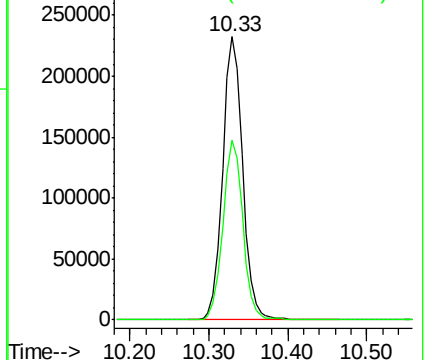
98 100

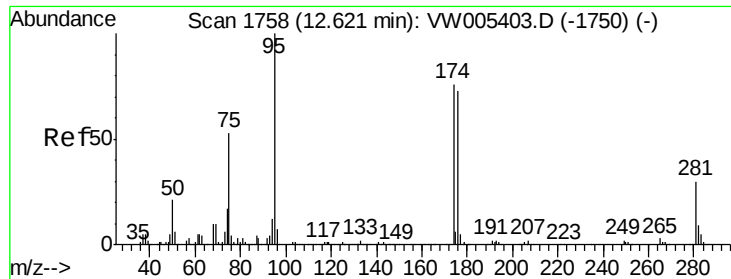
100 63.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

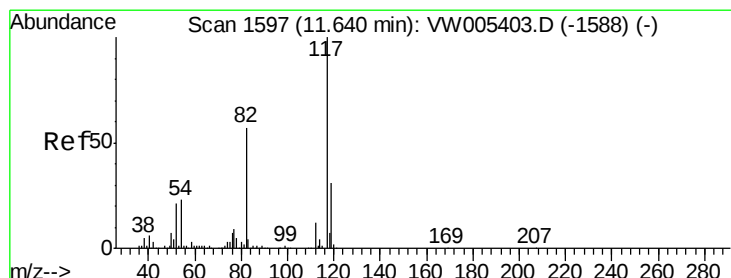
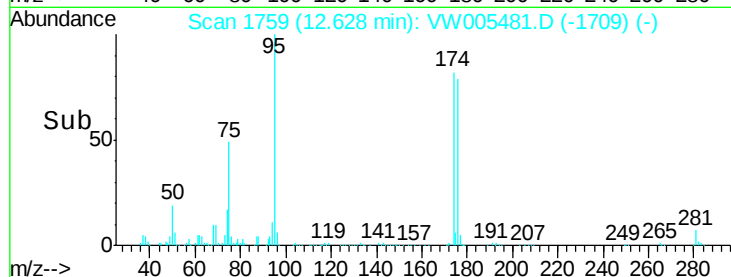
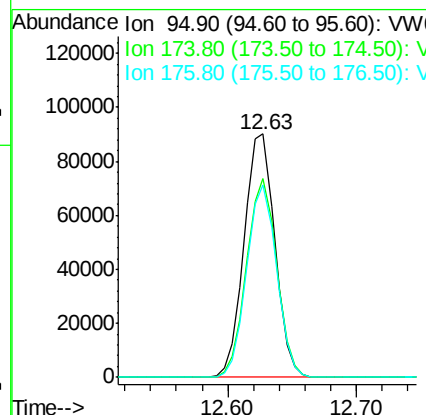
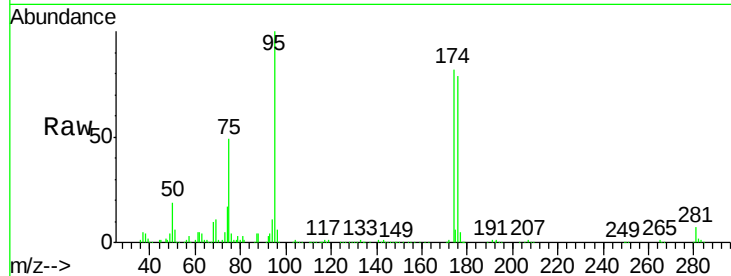




#62  
4-Bromofluorobenzene  
Concen: 35.61 ug/l  
RT: 12.63 min Scan# 1759  
Delta R.T. 0.01 min  
Lab File: VW005481.D  
Acq: 18 Sep 2018 16:14

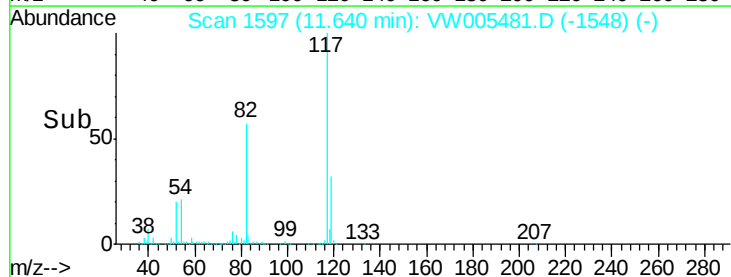
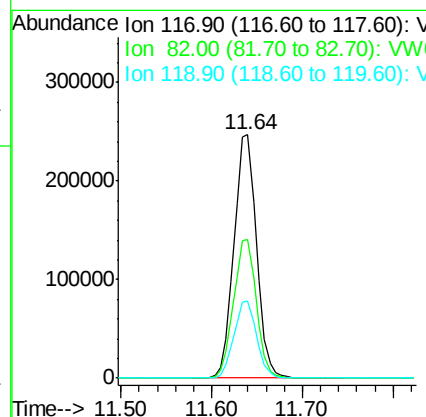
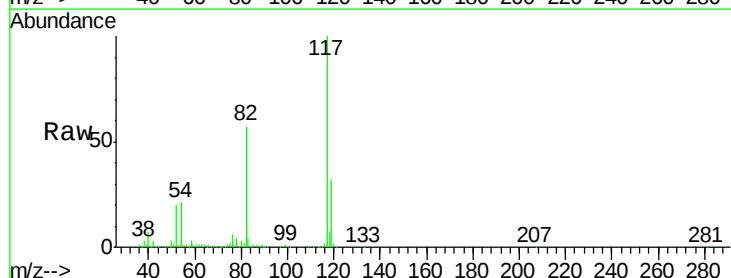
Instrument :  
MSVOA\_W  
ClientSampleId :  
BACKFILL-SW2

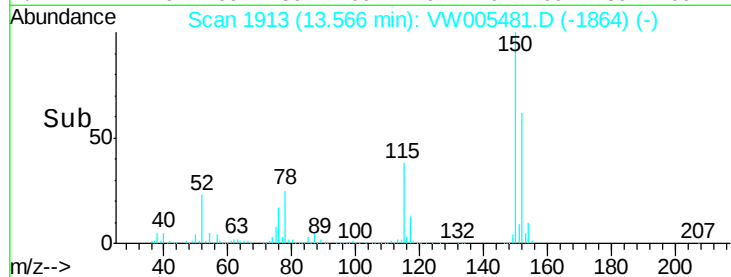
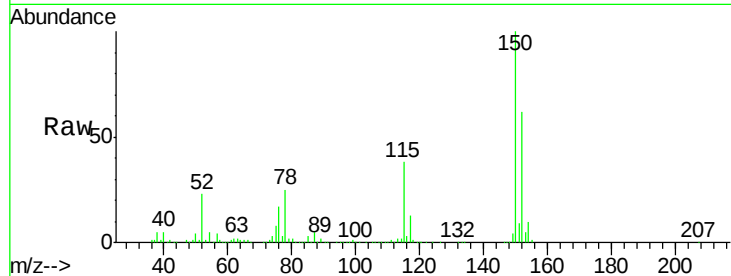
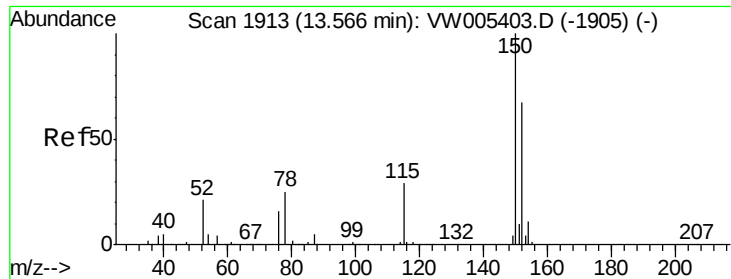
Tot Ion: 95 Resp: 149076  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 161.2  
176 76.7 0.0 156.6



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. 0.00 min  
Lab File: VW005481.D  
Acq: 18 Sep 2018 16:14

Tgt Ion: 117 Resp: 425444  
Ion Ratio Lower Upper  
117 100  
82 56.9 45.9 68.9  
119 31.9 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005481.D

Acq: 18 Sep 2018 16:14

Instrument :

MSVOA\_W

ClientSampleId :

BACKFILL-SW2

Tot Ion:152 Resp: 200870

Ion Ratio Lower Upper

152 100

115 59.2 29.5 88.5

150 157.4 0.0 345.6

