

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081218\  
 Data File : VW004579.D  
 Acq On : 10 Aug 2018 04:09  
 Operator : SY/AP  
 Sample : J4351-05  
 Misc : 11.73G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JTY-SB-01-1-2

Quant Time: Aug 10 04:36:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W080618S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 08:22:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 453522   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 776164   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 675896   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 250153   | 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   | 3677     | 0.73 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 1.46% |          |
| 35) Dibromofluoromethane    | 7.88  | 113  | 3415     | 0.66 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 1.32% |          |
| 50) Toluene-d8              | 10.33 | 98   | 9406     | 0.48 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 0.96% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 3597     | 0.51 | ug/l  | 0.00     |
| Spiked Amount               |       |      | Recovery | =    | 1.02% |          |

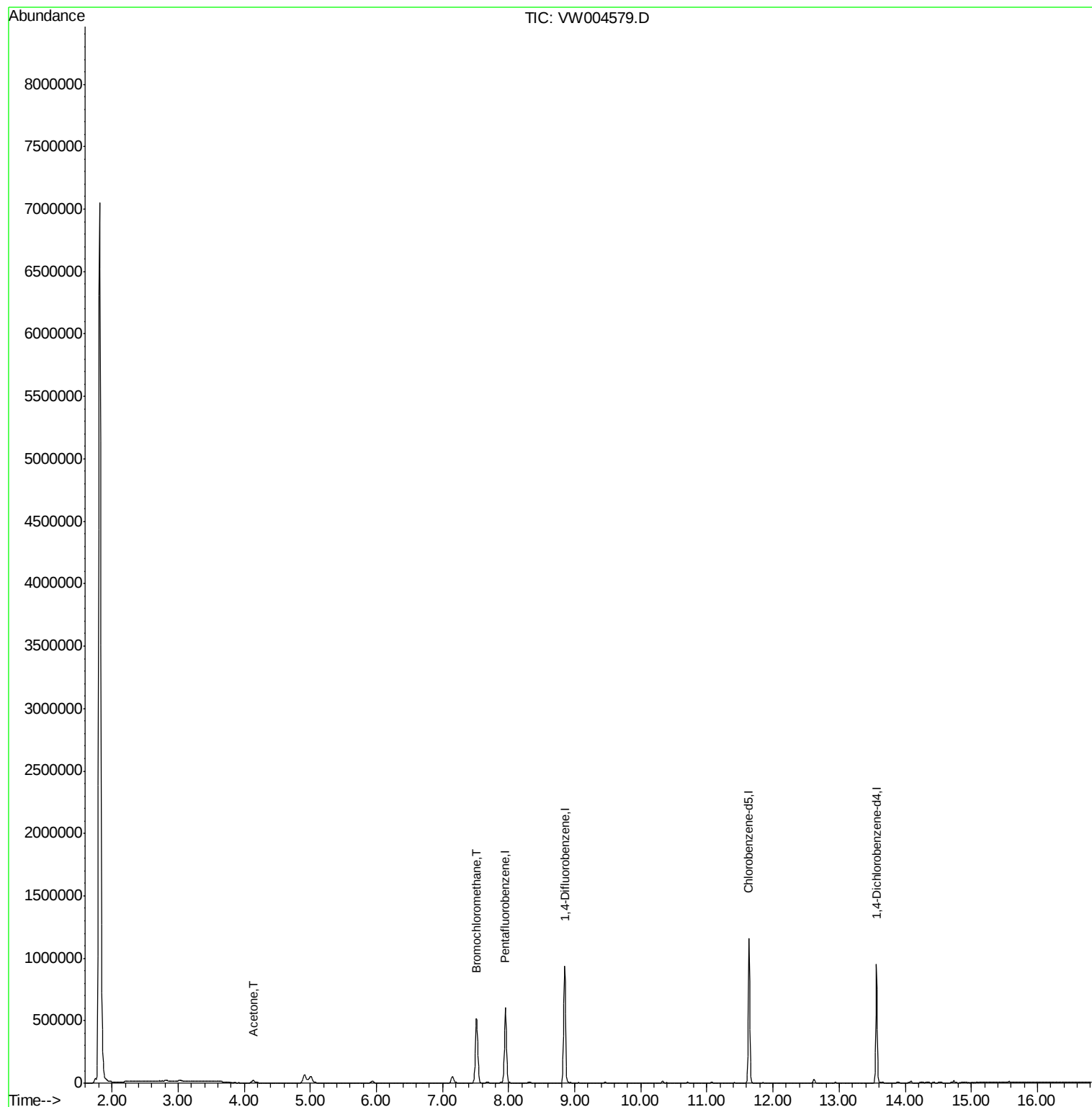
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.14 | 43   | 33165    | 26.45 | ug/l  | 94     |
| 28) Bromochloromethane | 7.51 | 49   | 324615   | 75.91 | ug/l  | 98     |

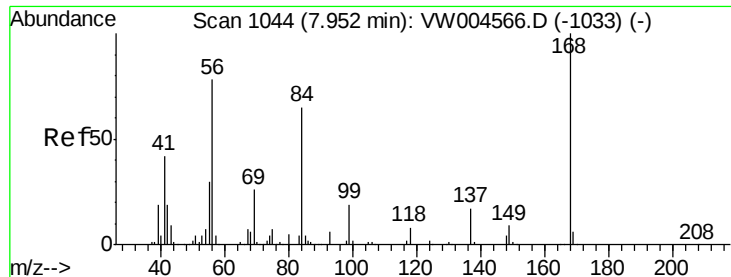
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 07 08:22:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004579.D

Acq: 10 Aug 2018 04:09

Instrument :

MSVOA\_W

ClientSampleId :

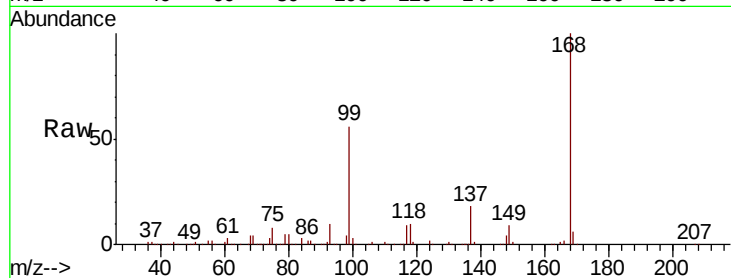
JTY-SB-01-1-2

Tot Ion:168 Resp: 453522

Ion Ratio Lower Upper

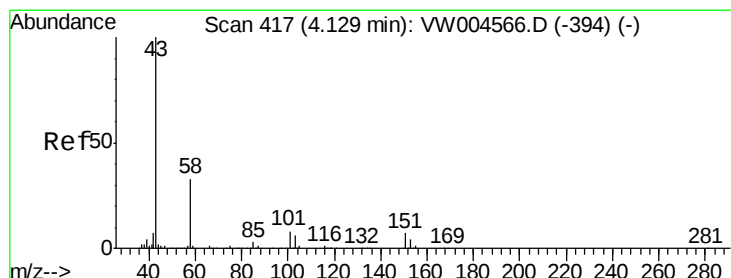
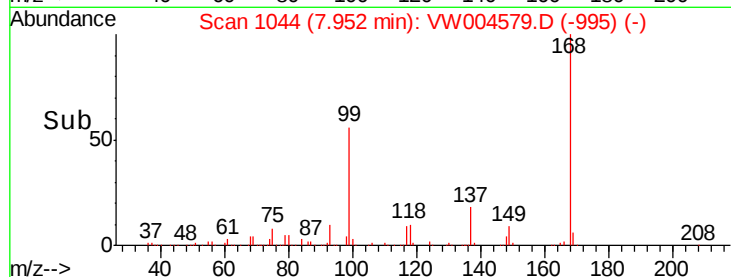
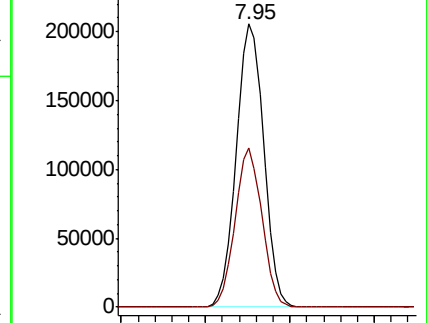
168 100

99 56.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 26.45 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW004579.D

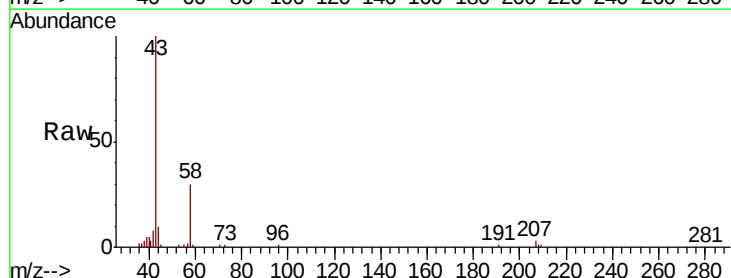
Acq: 10 Aug 2018 04:09

Tgt Ion: 43 Resp: 33165

Ion Ratio Lower Upper

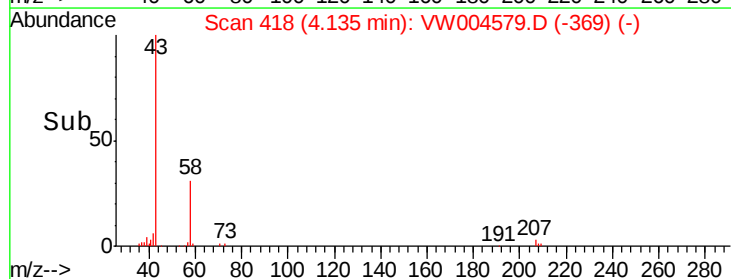
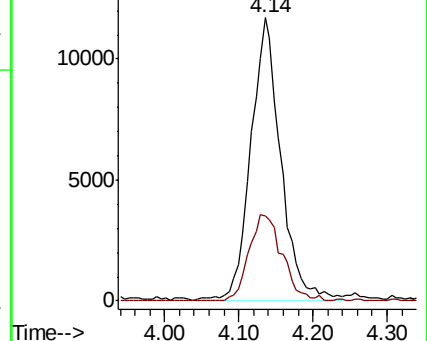
43 100

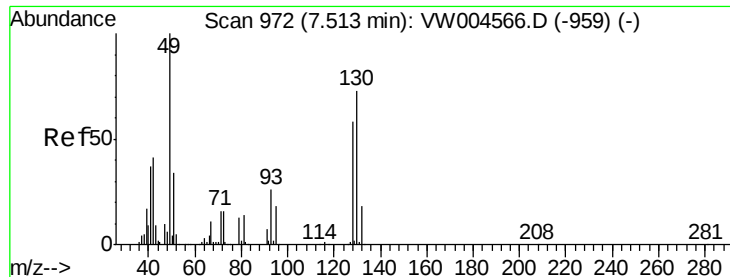
58 30.1 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#28

Bromochloromethane

Concen: 75.91 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW004579.D

Acq: 10 Aug 2018 04:09

Instrument :

MSVOA\_W

ClientSampleId :

JTY-SB-01-1-2

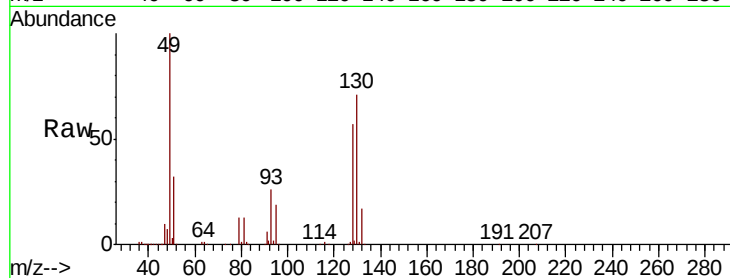
Tot Ion: 49 Resp: 324615

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

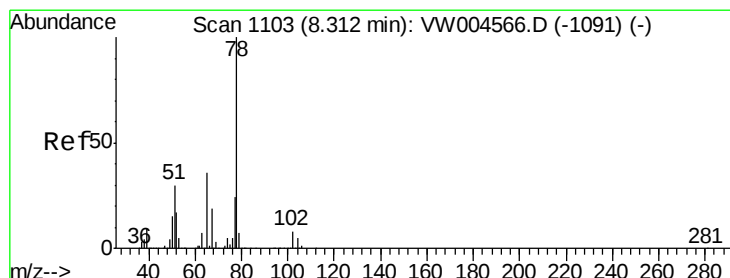
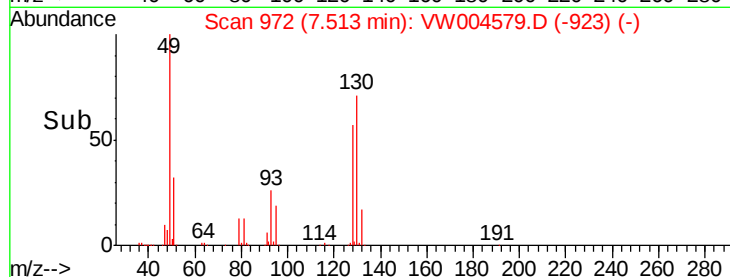
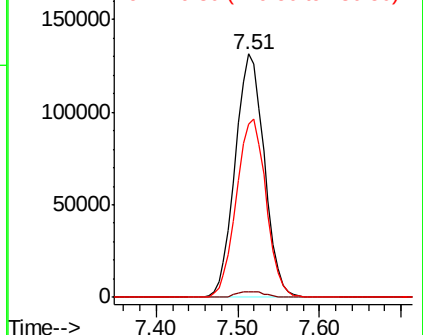
130 74.9 58.8 88.2



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#33

1,2-Dichloroethane-d4

Concen: 0.73 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004579.D

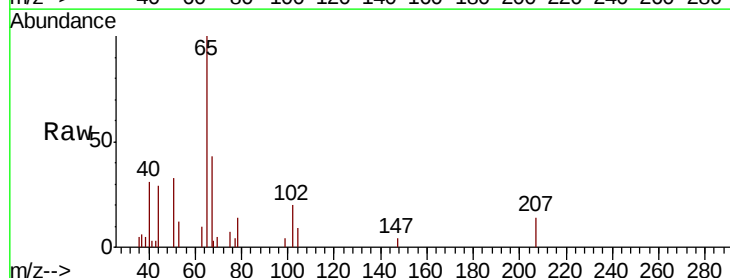
Acq: 10 Aug 2018 04:09

Tgt Ion: 65 Resp: 3677

Ion Ratio Lower Upper

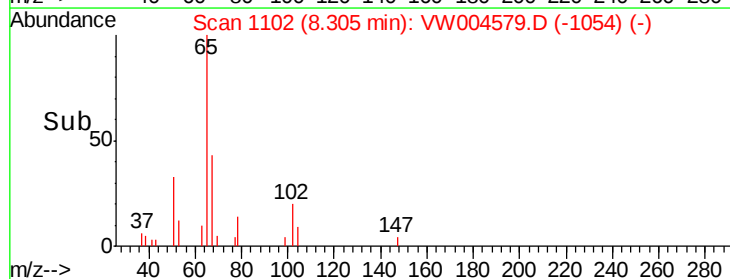
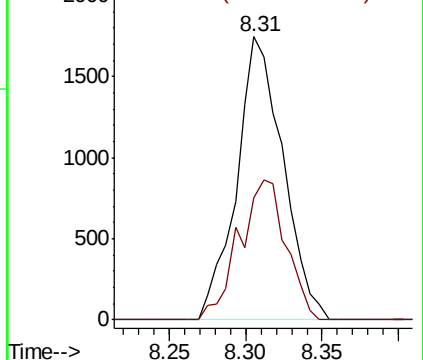
65 100

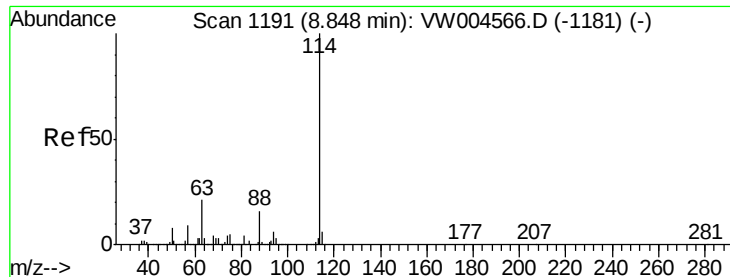
67 50.0 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

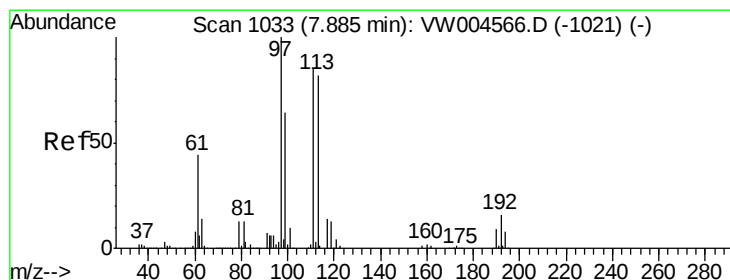
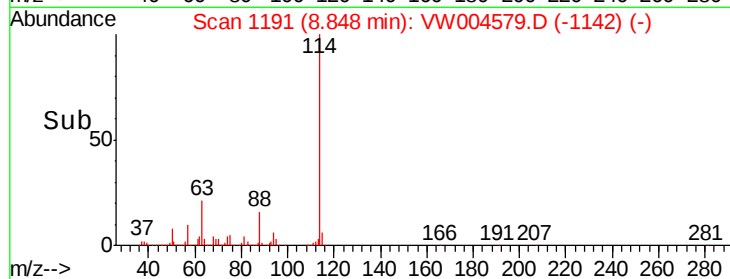
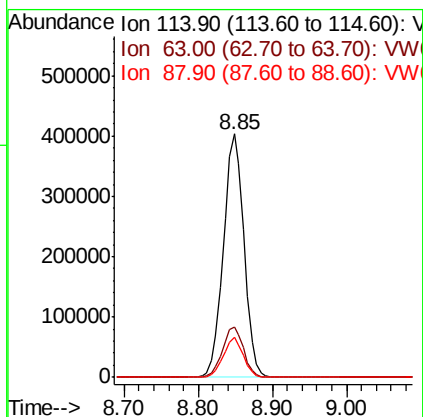
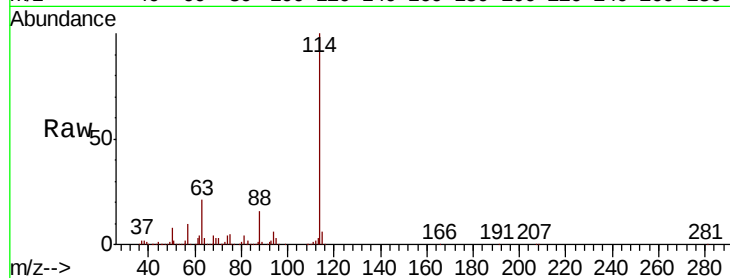




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW004579.D  
 Acq: 10 Aug 2018 04:09

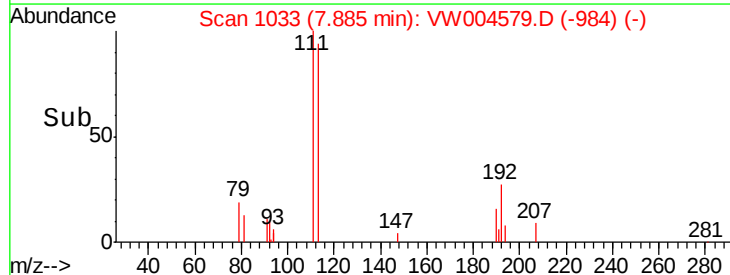
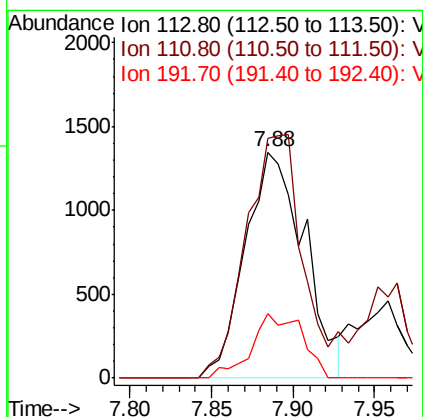
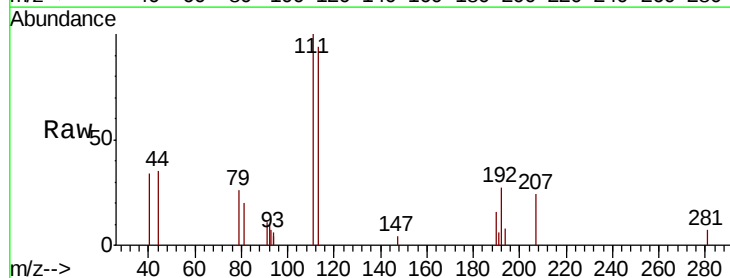
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JTY-SB-01-1-2

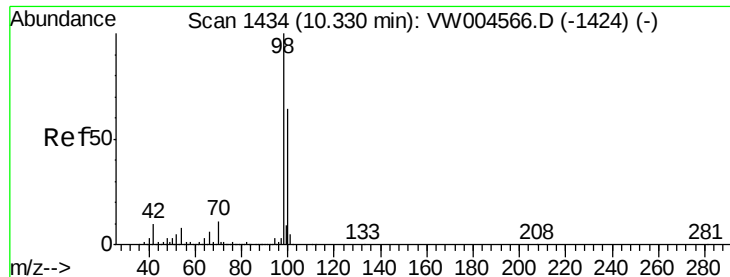
Tot Ion:114 Resp: 776164  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 42.4  
 88 16.2 0.0 31.2



#35  
 Dibromofluoromethane  
 Concen: 0.66 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. 0.00 min  
 Lab File: VW004579.D  
 Acq: 10 Aug 2018 04:09

Tgt Ion:113 Resp: 3415  
 Ion Ratio Lower Upper  
 113 100  
 111 100.0 82.9 124.3  
 192 24.3 15.8 23.6#





#50

Toluene-d8

Concen: 0.48 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004579.D

Acq: 10 Aug 2018 04:09

Instrument :

MSVOA\_W

ClientSampleId :

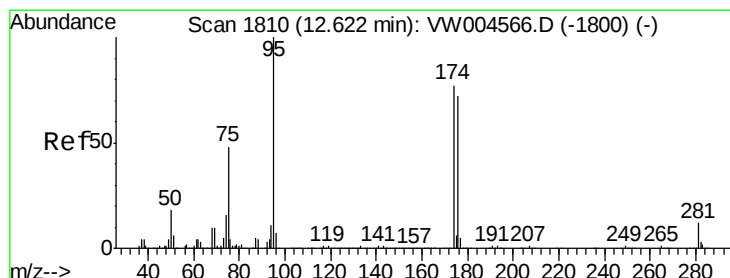
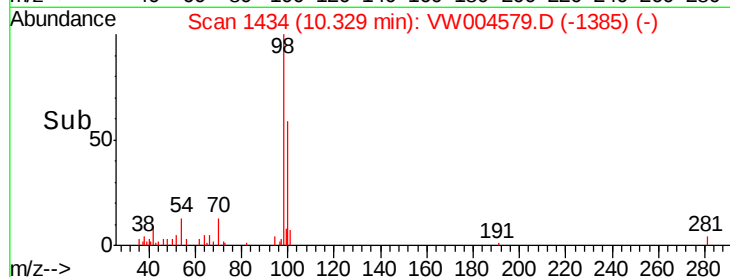
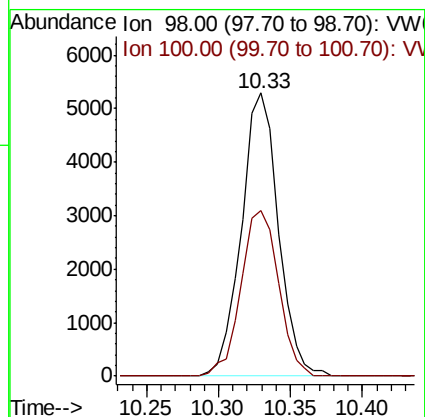
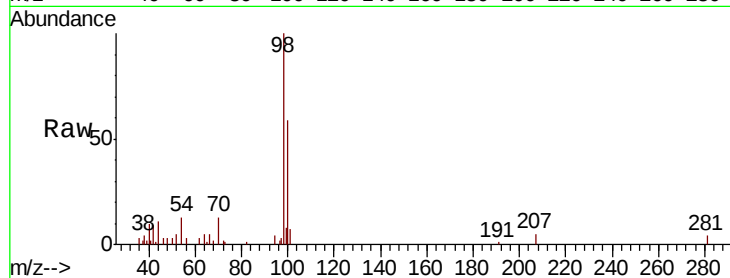
JTY-SB-01-1-2

Tot Ion: 98 Resp: 9406

Ion Ratio Lower Upper

98 100

100 59.6 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 0.51 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004579.D

Acq: 10 Aug 2018 04:09

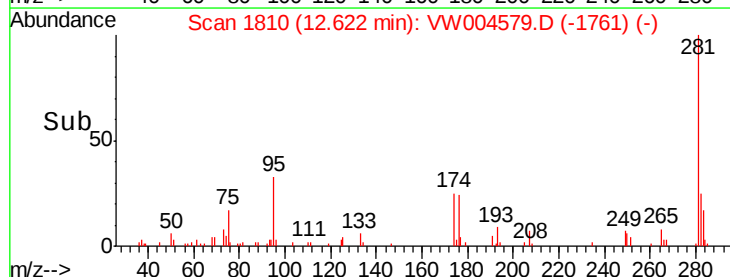
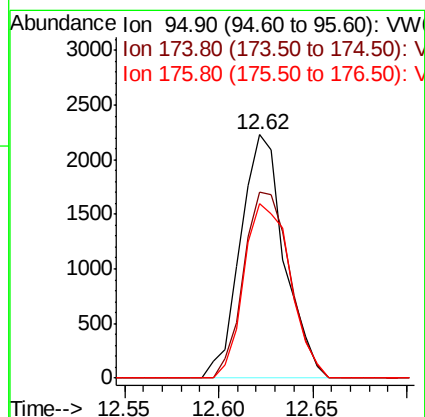
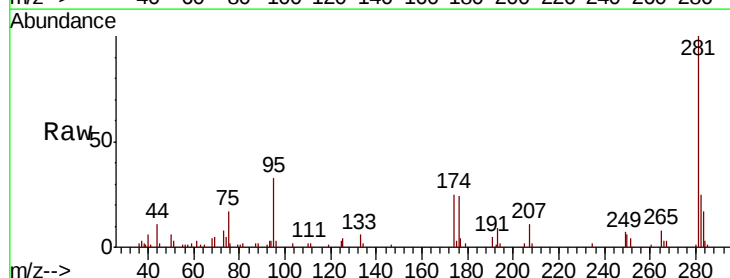
Tgt Ion: 95 Resp: 3597

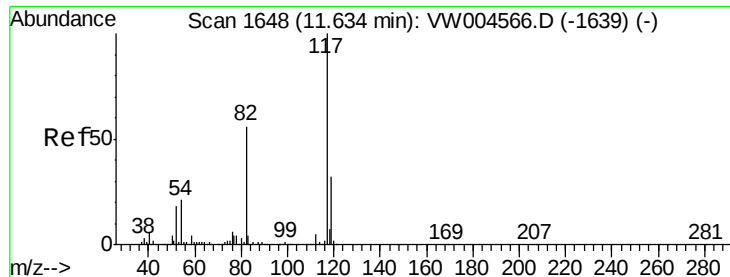
Ion Ratio Lower Upper

95 100

174 80.7 0.0 160.4

176 76.2 0.0 153.2

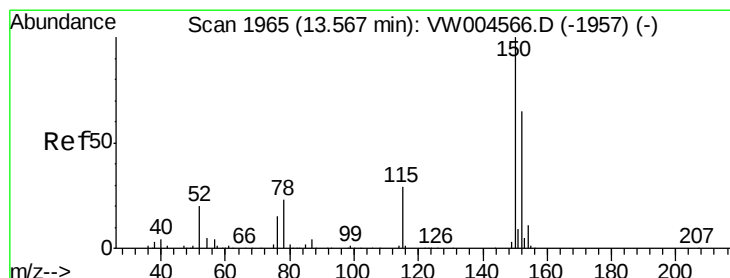
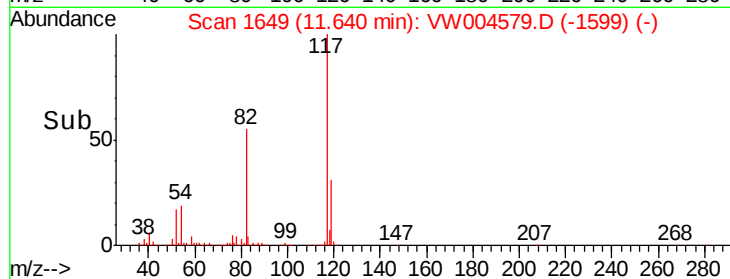
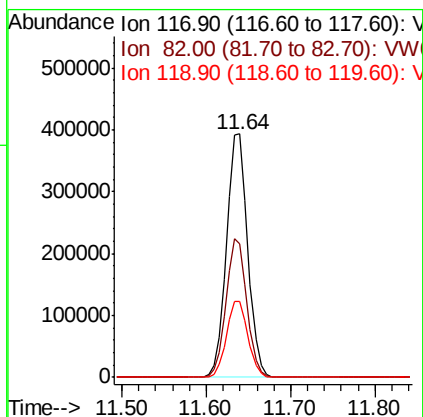
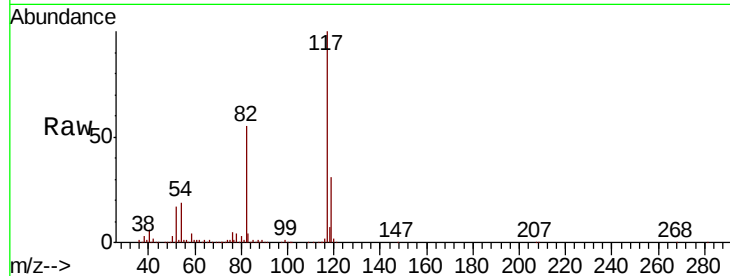




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1649  
Delta R.T. 0.01 min  
Lab File: VW004579.D  
Acq: 10 Aug 2018 04:09

Instrument :  
MSVOA\_W  
ClientSampleId :  
JTY-SB-01-1-2

Tot Ion:117 Resp: 675896  
Ion Ratio Lower Upper  
117 100  
82 54.7 45.3 67.9  
119 31.0 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW004579.D  
Acq: 10 Aug 2018 04:09

Tgt Ion:152 Resp: 250153  
Ion Ratio Lower Upper  
152 100  
115 57.9 29.1 87.3  
150 157.7 0.0 349.6

