

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\  
 Data File : VW005166.D  
 Acq On : 06 Sep 2018 16:16  
 Operator : SY/AP  
 Sample : J4720-05RE  
 Misc : 5.03G/5ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BZTRANS-5RE

Quant Time: Sep 06 16:55:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 01 03:35:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.96  | 168  | 413933   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 623480   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 577924   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 240351   | 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   | 245145   | 71.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 142.88% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 213799   | 59.34 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 118.68% |          |
| 50) Toluene-d8              | 10.33 | 98   | 884196   | 53.26 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.52% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 272562   | 46.56 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.12%  |          |

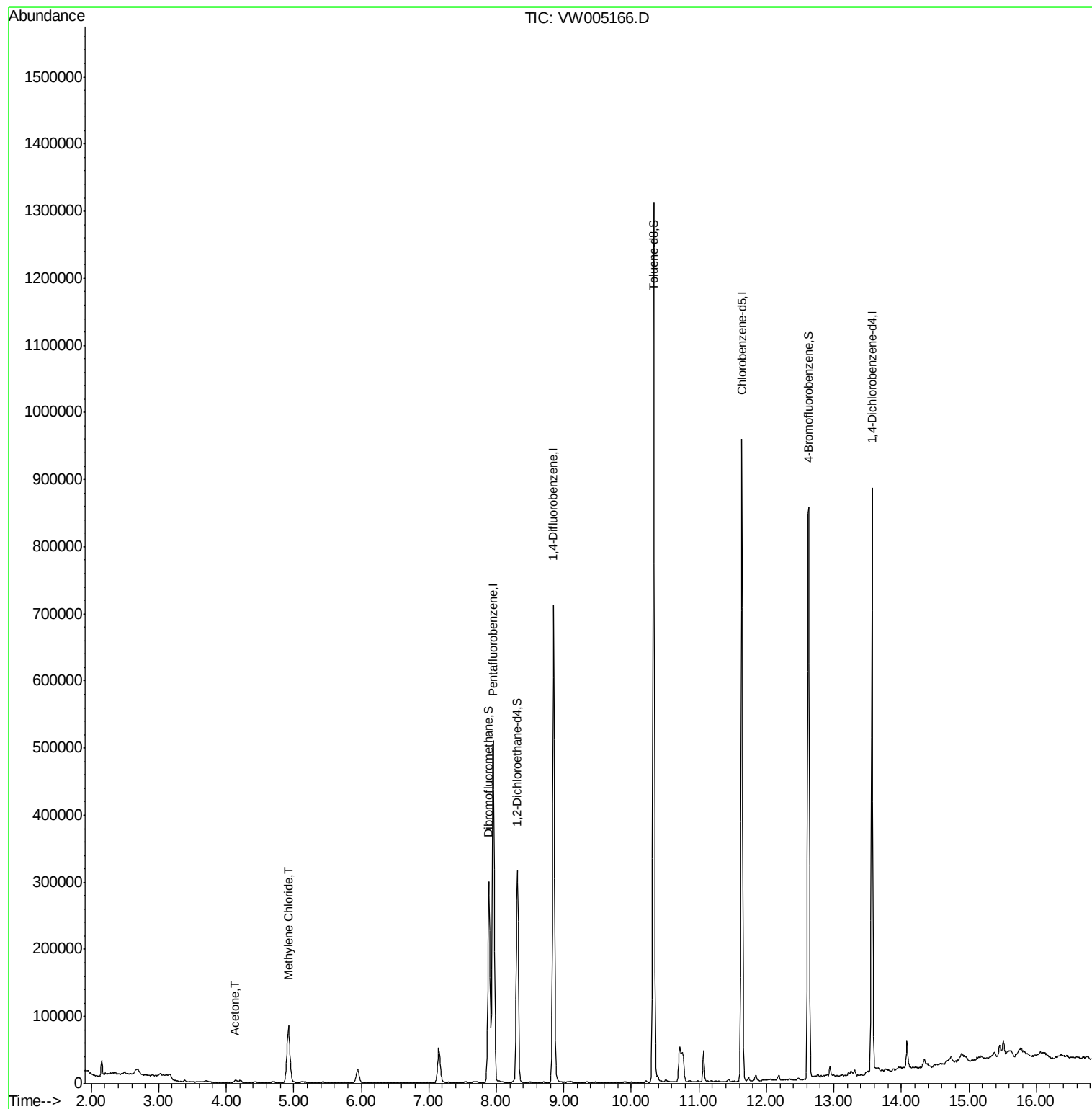
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.14 | 43   | 6589     | 9.58  | ug/l  | 95     |
| 20) Methylene Chloride | 4.92 | 84   | 69516    | 11.99 | ug/l  | 98     |

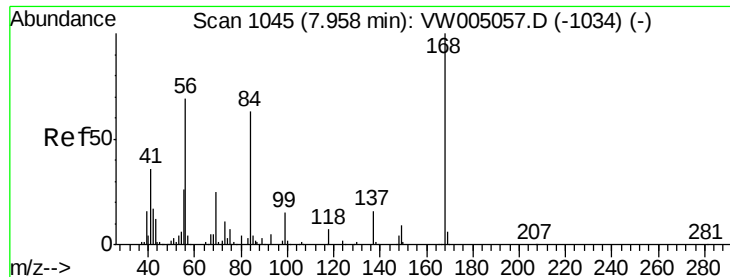
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W090118S.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 01 03:35:05 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: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA\_W

ClientSampleId :

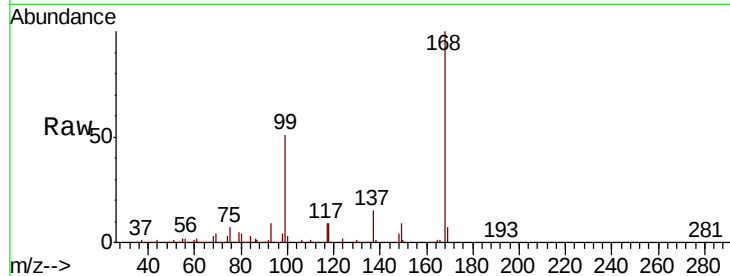
BZTRANS-5RE

Tot Ion:168 Resp: 413933

Ion Ratio Lower Upper

168 100

99 50.6 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

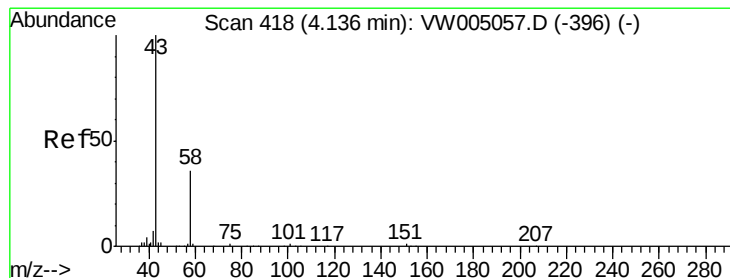
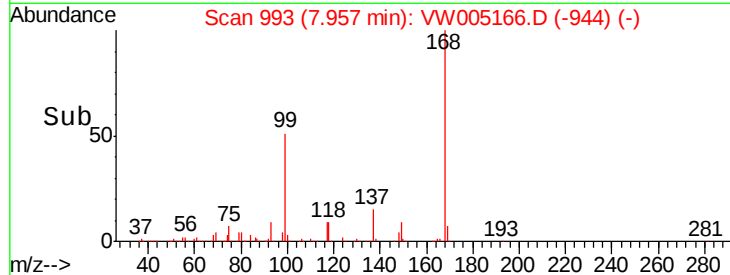
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 9.58 ug/l

RT: 4.14 min Scan# 366

Delta R.T. -0.00 min

Lab File: VW005166.D

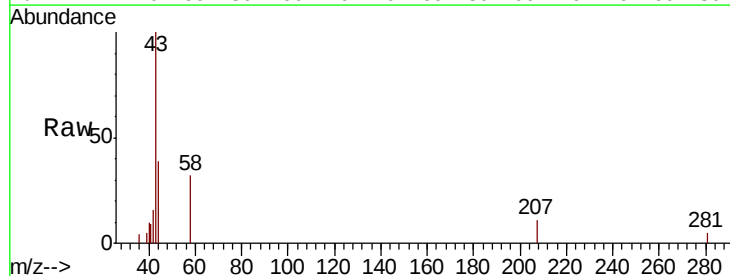
Acq: 06 Sep 2018 16:16

Tgt Ion: 43 Resp: 6589

Ion Ratio Lower Upper

43 100

58 33.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

2500

2000

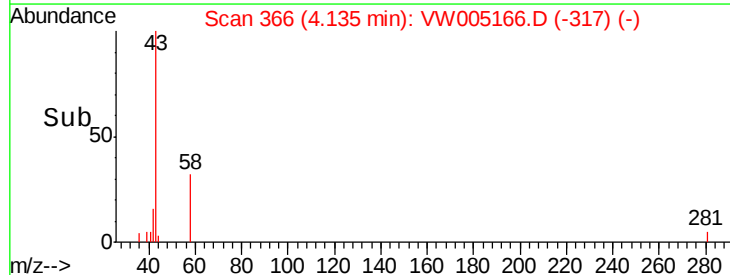
1500

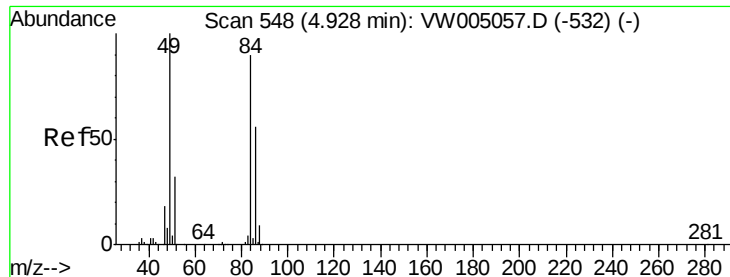
1000

500

0

Time--> 4.05 4.10 4.15 4.20 4.25

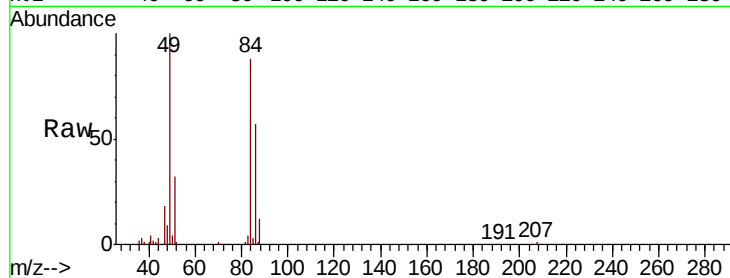




#20  
Methylene Chloride  
Concen: 11.99 ug/l  
RT: 4.92 min Scan# 495  
Delta R.T. -0.01 min  
Lab File: VW005166.D  
Acq: 06 Sep 2018 16:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
BZTRANS-5RE

| Tot Ion: | 84    | Resp: | 69516 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 113.5 | 88.7  | 133.1 |
| 51       | 35.9  | 28.6  | 42.8  |
| 86       | 64.3  | 49.4  | 74.2  |



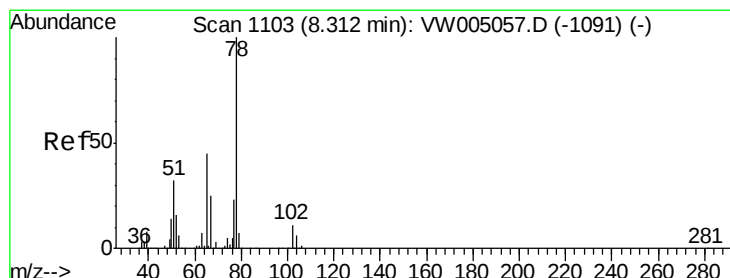
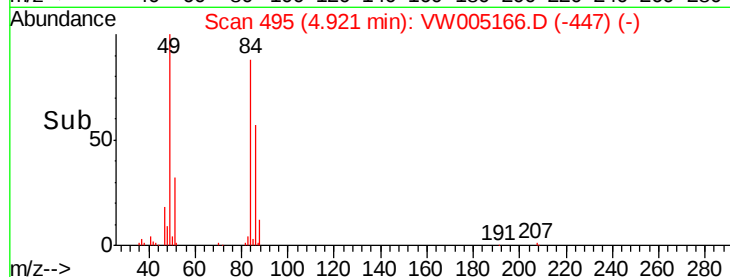
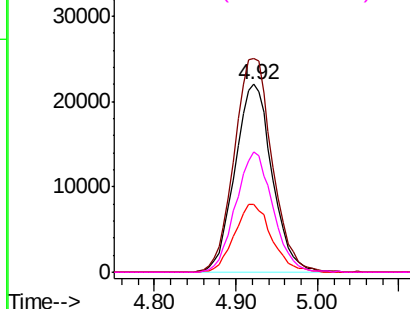
Abundance

Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

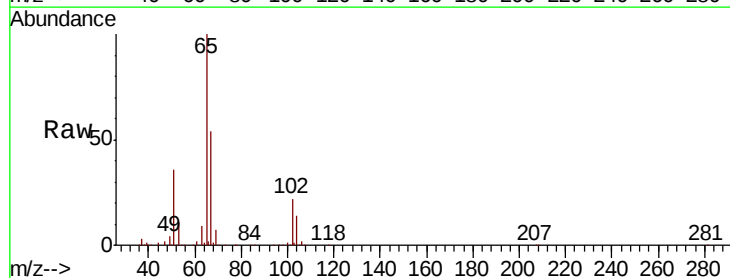
Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#33  
1,2-Dichloroethane-d4  
Concen: 71.44 ug/l  
RT: 8.31 min Scan# 1051  
Delta R.T. -0.00 min  
Lab File: VW005166.D  
Acq: 06 Sep 2018 16:16

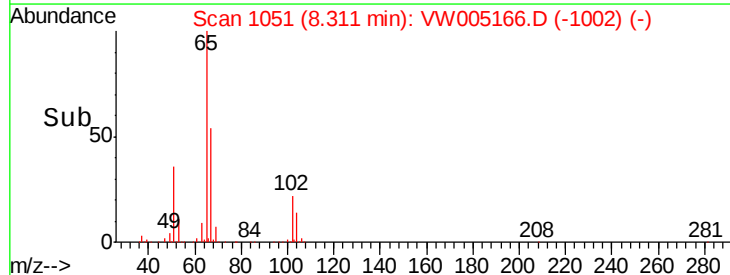
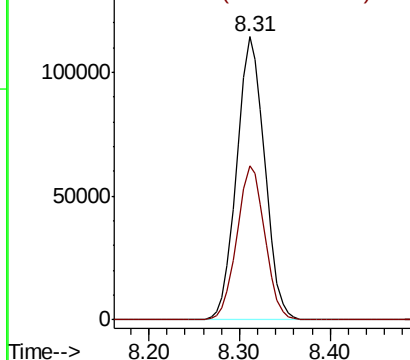
| Tgt Ion: | 65    | Resp: | 245145 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 54.4  | 0.0   | 109.4  |

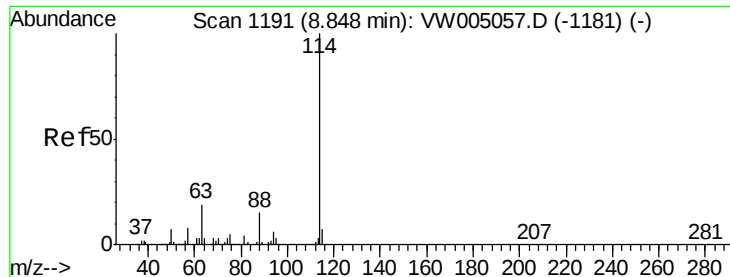


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA\_W

ClientSampleId :

BZTRANS-5RE

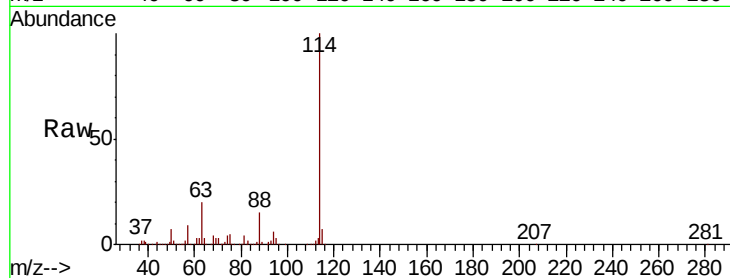
Tot Ion:114 Resp: 623480

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

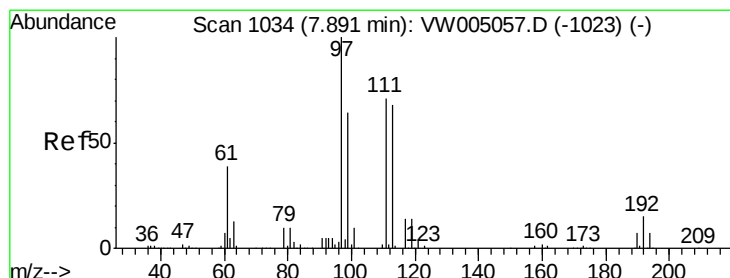
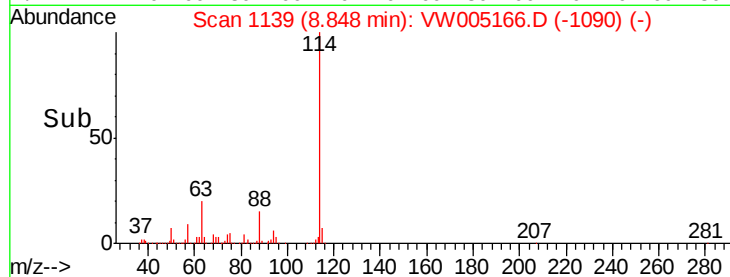
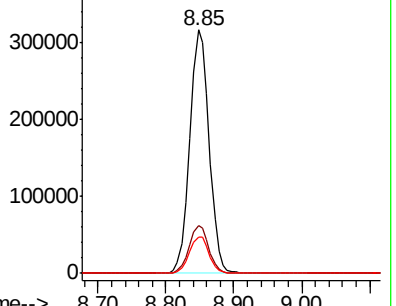
88 15.1 0.0 30.2



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: 59.34 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

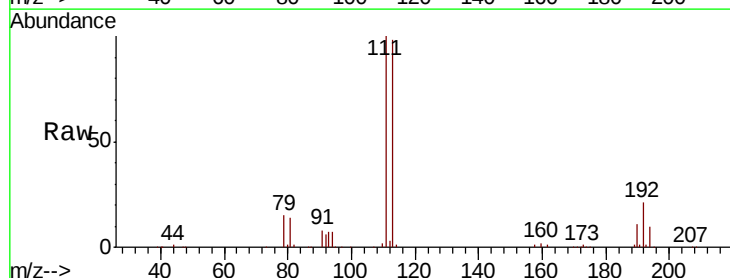
Tgt Ion:113 Resp: 213799

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

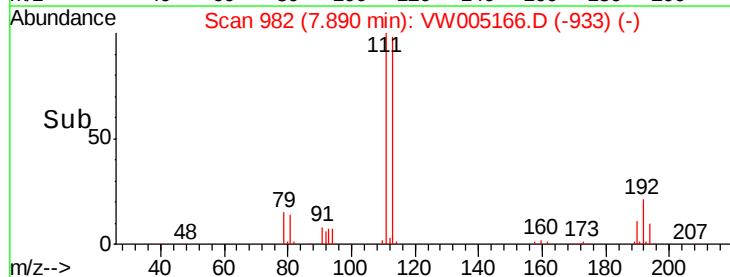
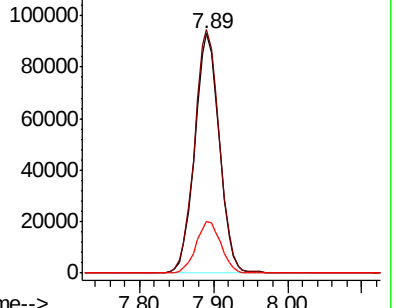
192 21.8 18.1 27.1

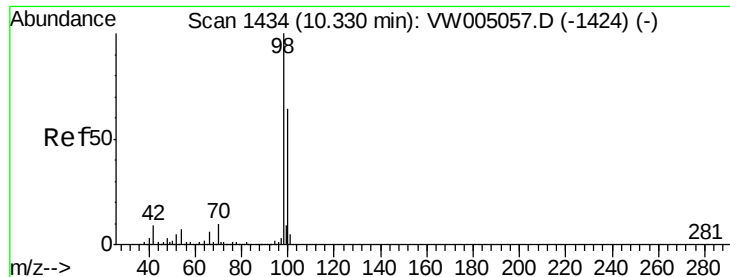


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 53.26 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

Instrument :

MSVOA\_W

ClientSampleId :

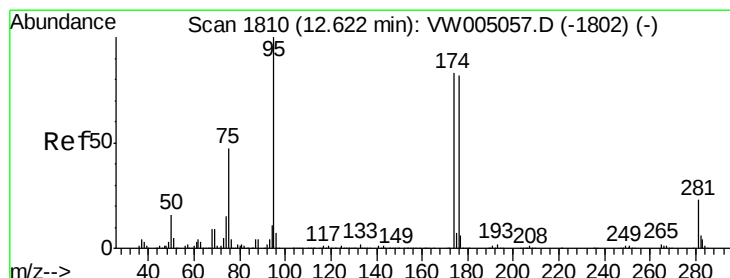
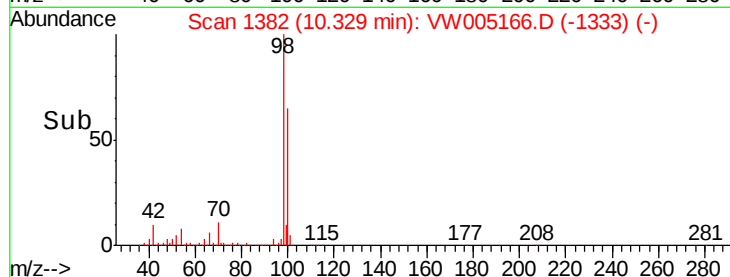
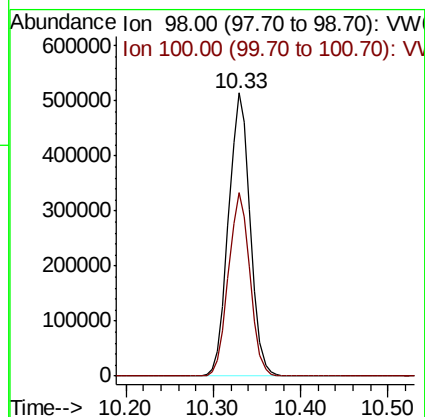
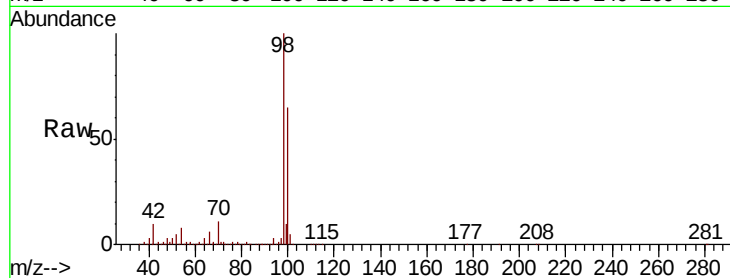
BZTRANS-5RE

Tot Ion: 98 Resp: 884196

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 46.56 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005166.D

Acq: 06 Sep 2018 16:16

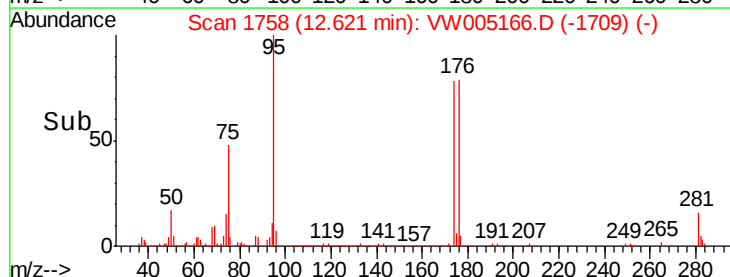
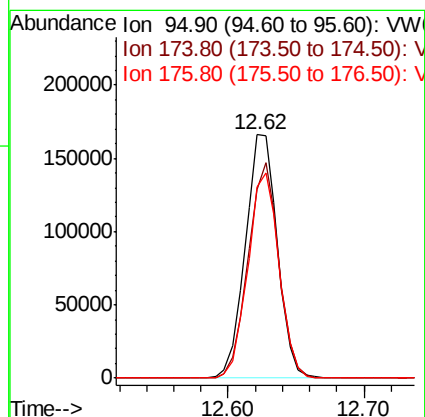
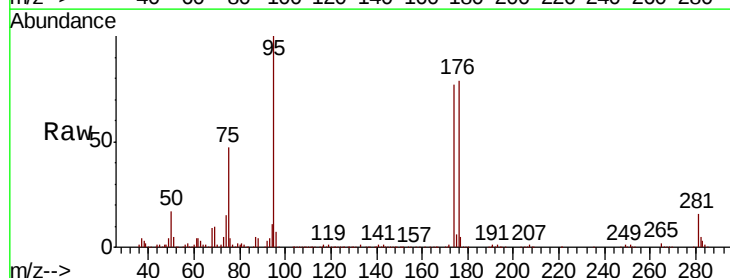
Tgt Ion: 95 Resp: 272562

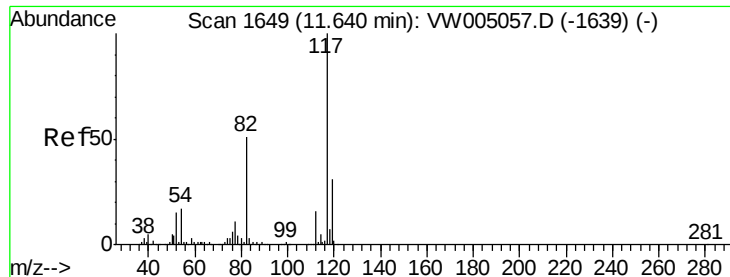
Ion Ratio Lower Upper

95 100

174 85.3 0.0 173.4

176 82.7 0.0 167.4

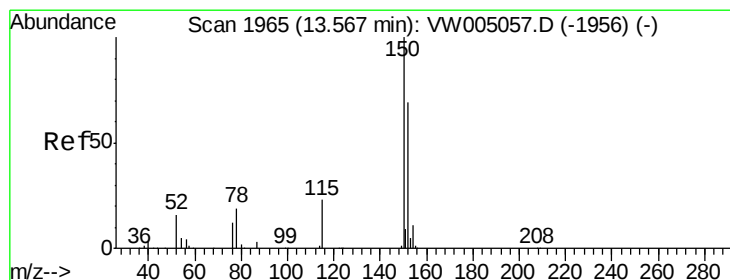
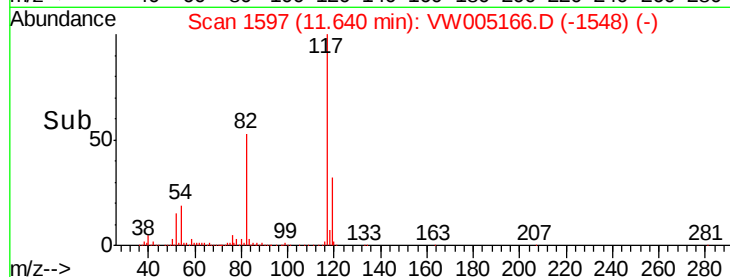
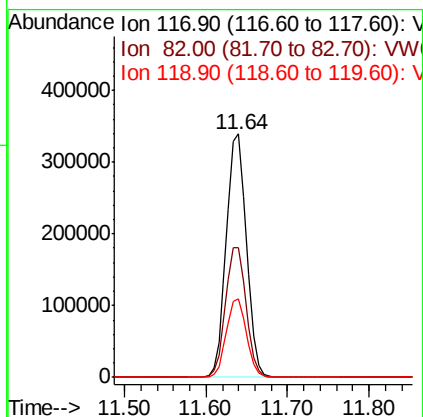
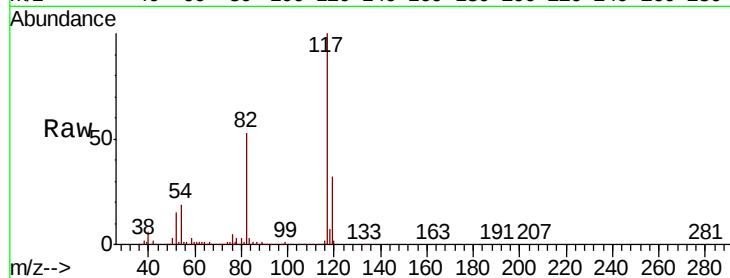




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.64 min Scan# 1597  
Delta R.T. -0.00 min  
Lab File: VW005166.D  
Acq: 06 Sep 2018 16:16

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tot Ion:117 Resp: 577924  
Ion Ratio Lower Upper  
117 100  
82 53.3 40.9 61.3  
119 32.3 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1913  
Delta R.T. -0.00 min  
Lab File: VW005166.D  
Acq: 06 Sep 2018 16:16

Tgt Ion:152 Resp: 240351  
Ion Ratio Lower Upper  
152 100  
115 56.0 27.8 83.4  
150 155.7 0.0 351.4

