

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062918\  
 Data File : VW003672.D  
 Acq On : 29 Jun 2018 20:17  
 Operator : SY/AP  
 Sample : J3773-03RE  
 Misc : 6.44G/5ML/MSVOA W/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-119-5(50-52)RE

Quant Time: Jun 30 05:04:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W061318S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 05:18:54 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 92594    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.85  | 114  | 150265   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 142921   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 64960    | 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   | 74880    | 74.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 149.32% |          |
| 35) Dibromofluoromethane    | 7.89  | 113  | 63663    | 68.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 136.36% |          |
| 50) Toluene-d8              | 10.33 | 98   | 204797   | 55.32 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 110.64% |          |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 67852    | 51.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.58% |          |

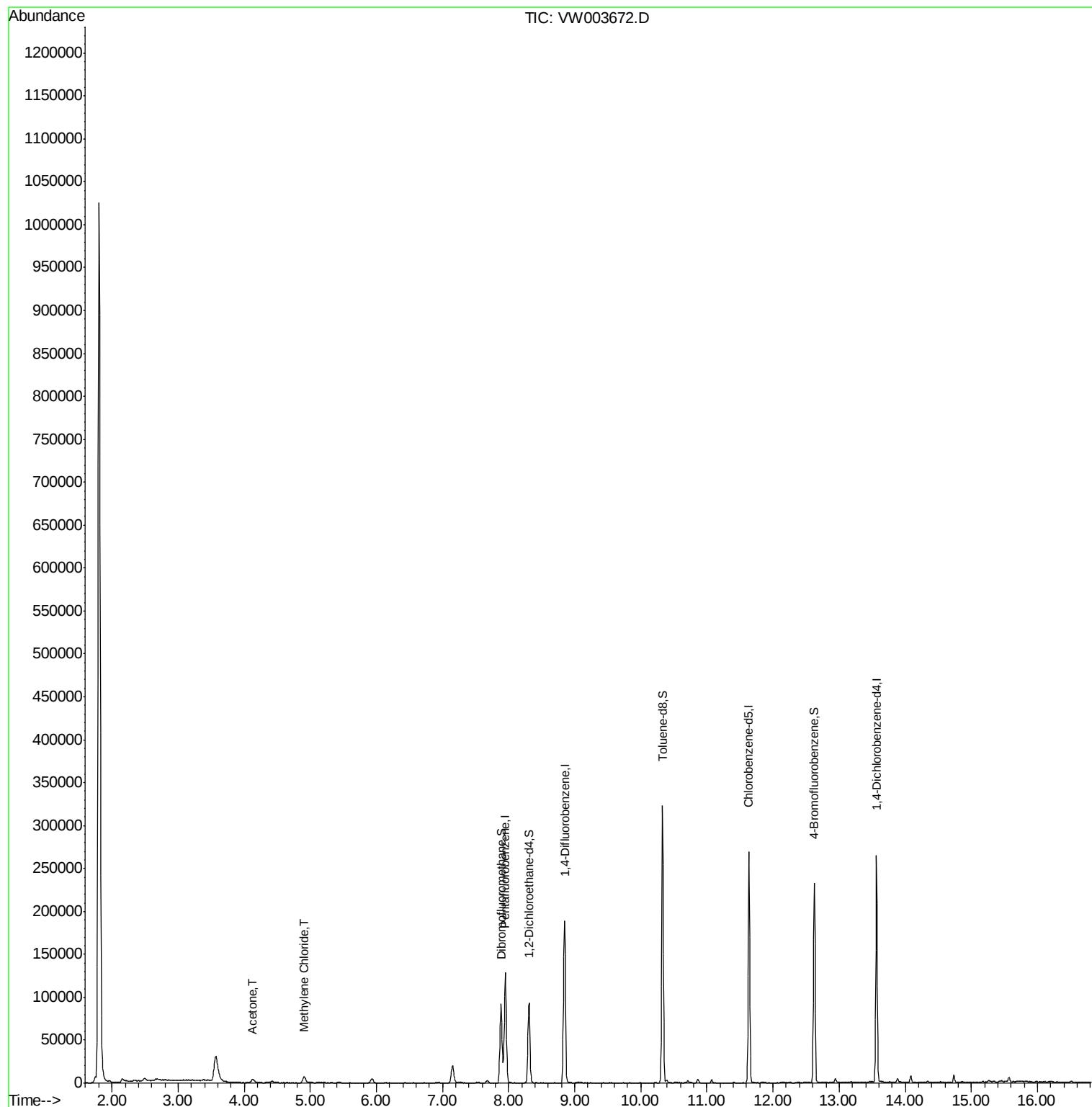
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 4.13 | 43   | 7189     | 34.18 | ug/l  | 98     |
| 20) Methylene Chloride | 4.91 | 84   | 4991     | 2.07  | ug/l  | 94     |

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

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Quant Title : SW846 8260  
QLast Update : Sat Jun 16 05:18:54 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: VW003672.D

Acq: 29 Jun 2018 20:17

Instrument :

MSVOA\_W

ClientSampleId :

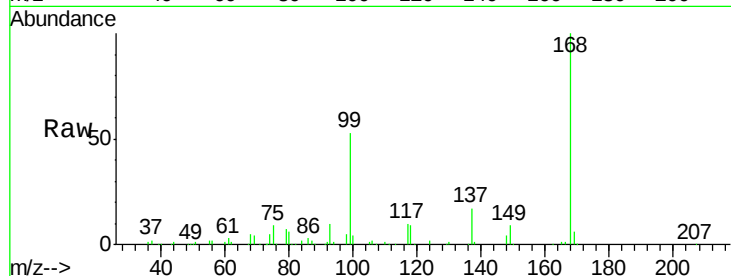
EPE-119-5(50-52)RE

Tot Ion:168 Resp: 92594

Ion Ratio Lower Upper

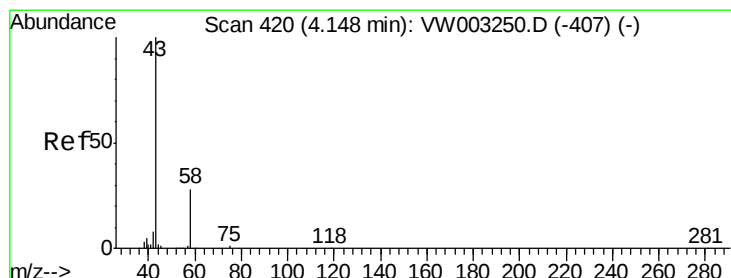
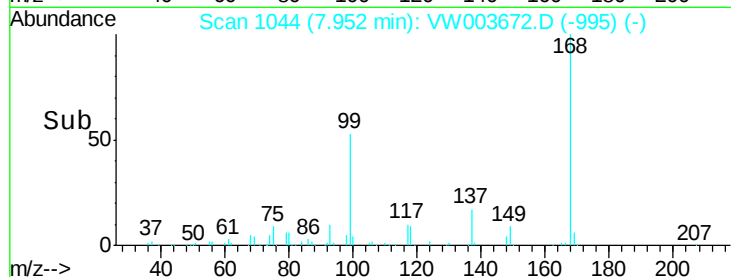
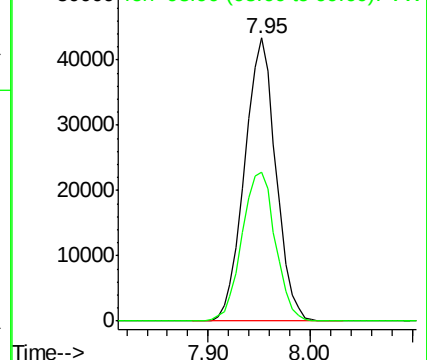
168 100

99 52.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 34.18 ug/l

RT: 4.13 min Scan# 417

Delta R.T. -0.02 min

Lab File: VW003672.D

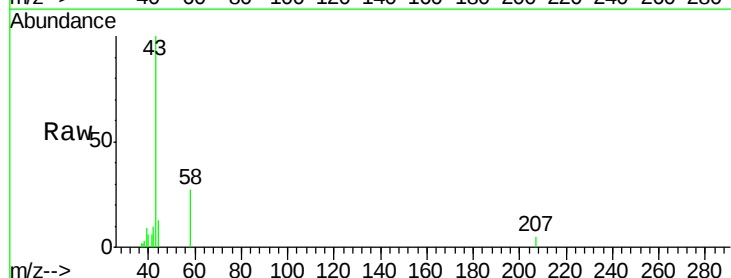
Acq: 29 Jun 2018 20:17

Tgt Ion: 43 Resp: 7189

Ion Ratio Lower Upper

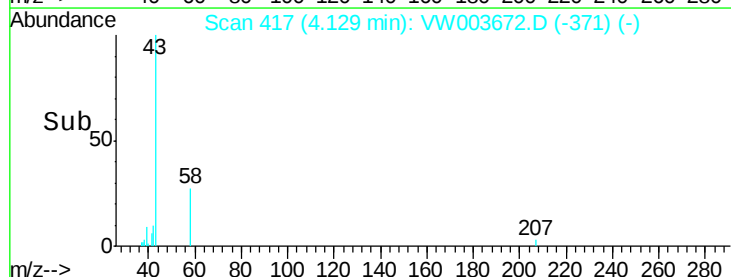
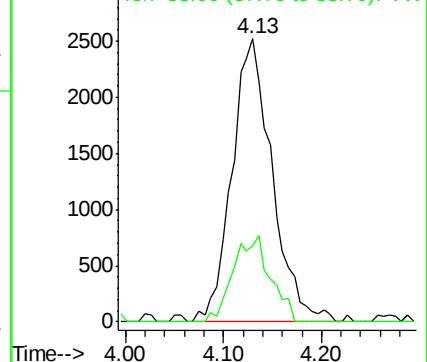
43 100

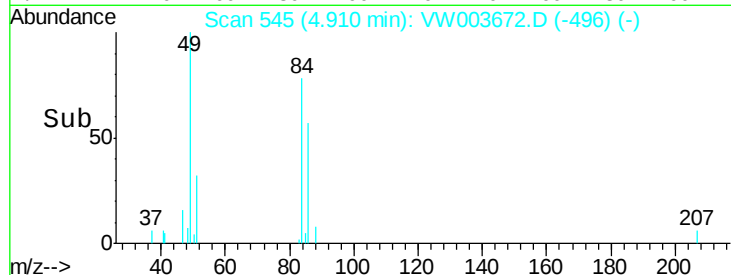
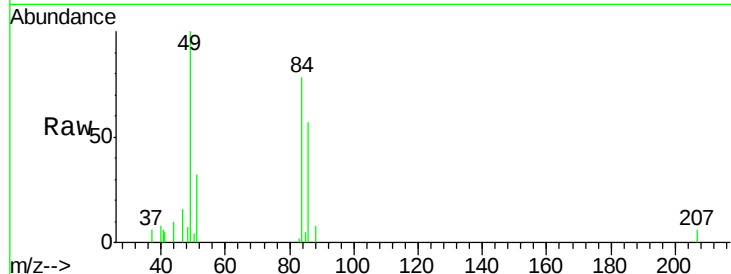
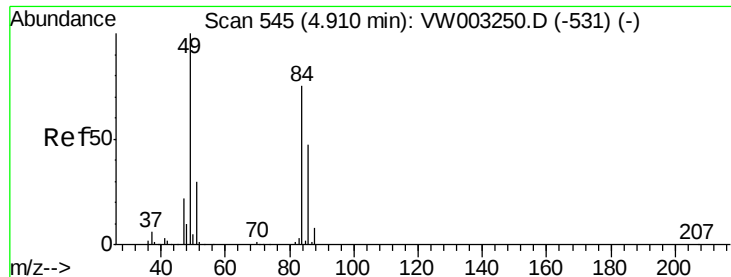
58 27.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

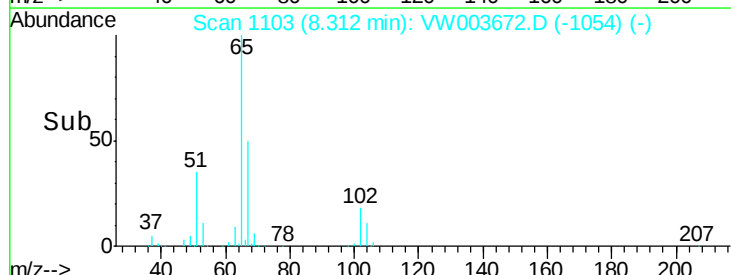
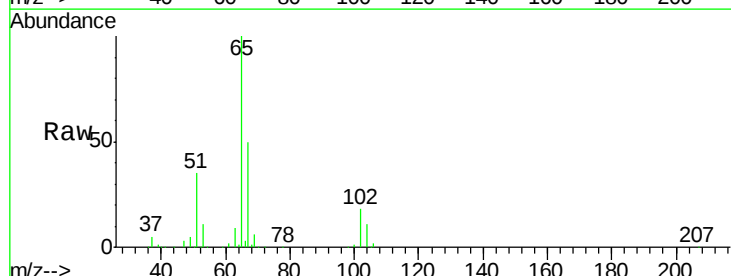
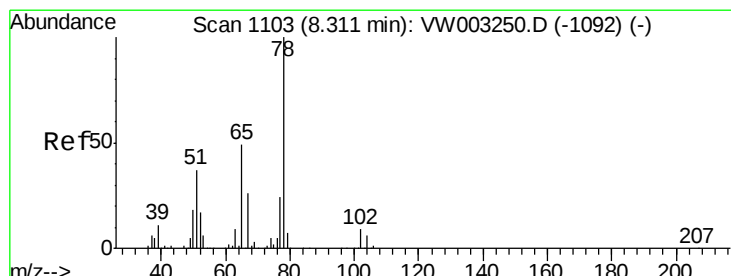
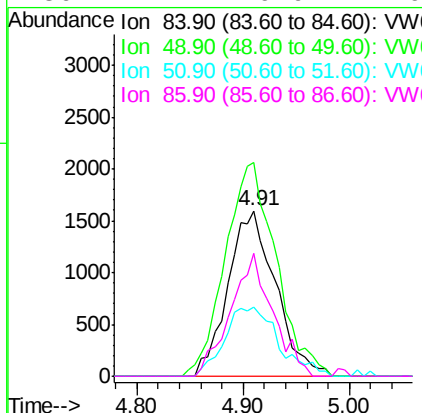




#20  
Methvlene Chloride  
Concen: 2.07 ug/l  
RT: 4.91 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: VW003672.D  
Acq: 29 Jun 2018 20:17

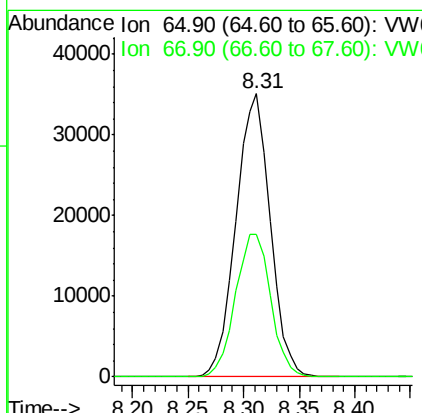
Instrument :  
MSVOA\_W  
ClientSampleId :  
EPE-119-5(50-52)RE

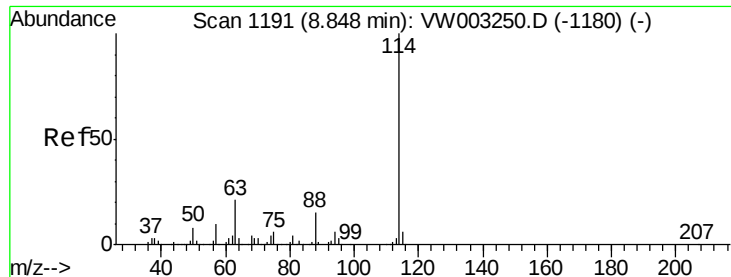
Tot Ion: 84 Resp: 4991  
Ion Ratio Lower Upper  
84 100  
49 129.0 106.3 159.5  
51 41.8 32.0 48.0  
86 74.2 49.9 74.9



#33  
1,2-Dichloroethane-d4  
Concen: 74.66 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. 0.00 min  
Lab File: VW003672.D  
Acq: 29 Jun 2018 20:17

Tgt Ion: 65 Resp: 74880  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 104.2

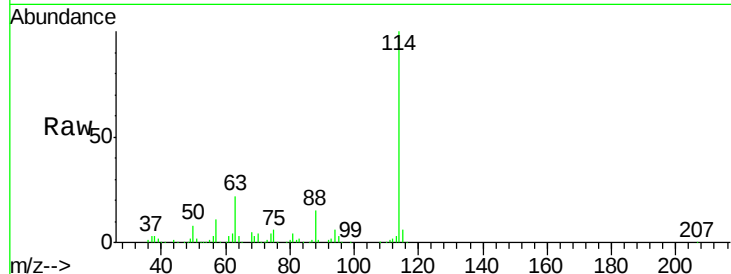




#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. 0.00 min  
 Lab File: VW003672.D  
 Acq: 29 Jun 2018 20:17

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EPE-119-5(50-52)RE

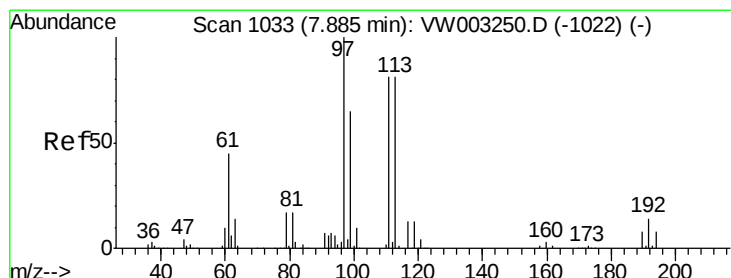
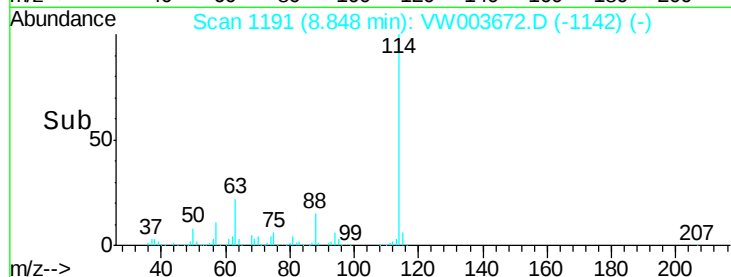
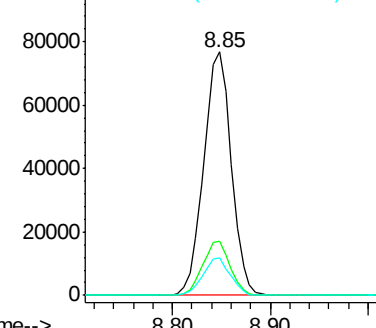
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.1  | 0.0   | 43.0  |
| 88      | 15.3  | 0.0   | 29.6  |



Abundance Ion 113.90 (113.60 to 114.60): V

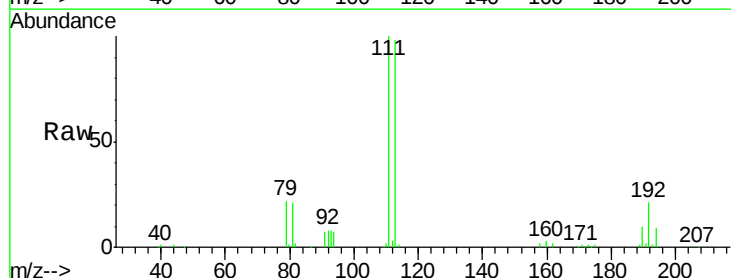
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35  
 Dibromofluoromethane  
 Concen: 68.18 ug/l  
 RT: 7.89 min Scan# 1034  
 Delta R.T. 0.01 min  
 Lab File: VW003672.D  
 Acq: 29 Jun 2018 20:17

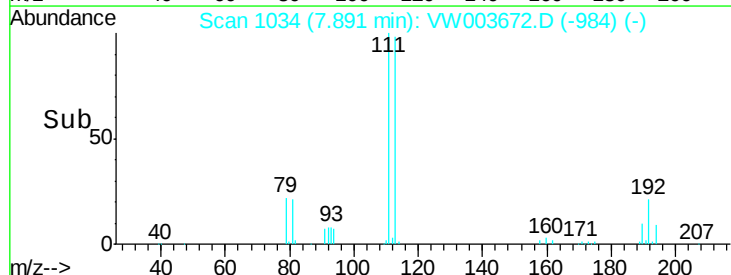
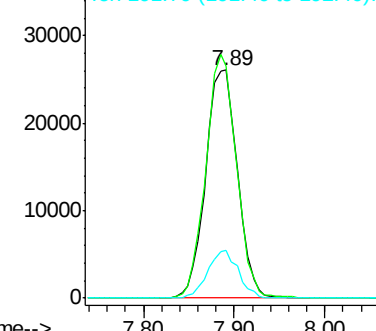
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 82.2  | 123.2 |
| 192     | 20.1  | 16.2  | 24.2  |

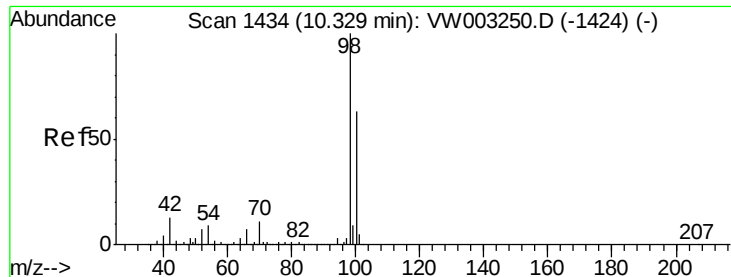


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 55.32 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW003672.D

Acq: 29 Jun 2018 20:17

Instrument :

MSVOA\_W

ClientSampleId :

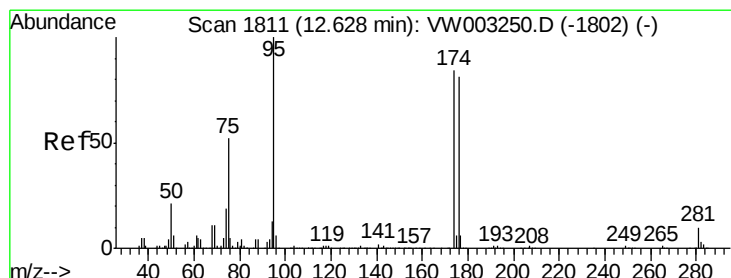
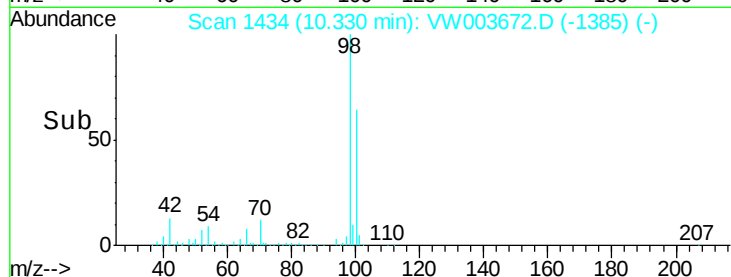
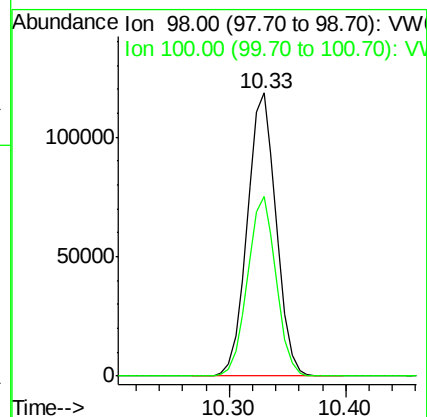
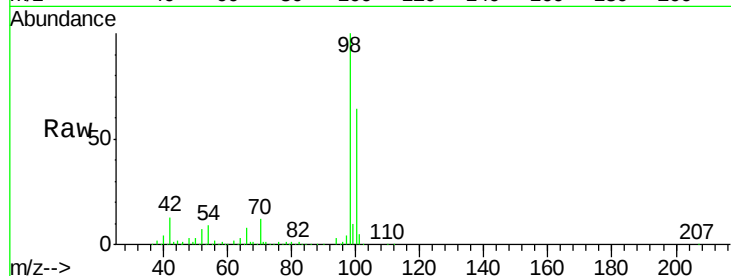
EPE-119-5(50-52)RE

Tot Ion: 98 Resp: 204797

Ion Ratio Lower Upper

98 100

100 62.6 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 51.79 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003672.D

Acq: 29 Jun 2018 20:17

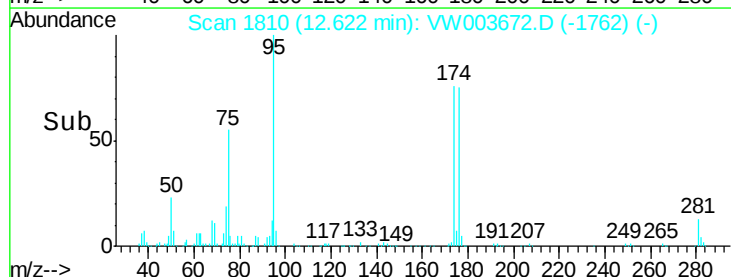
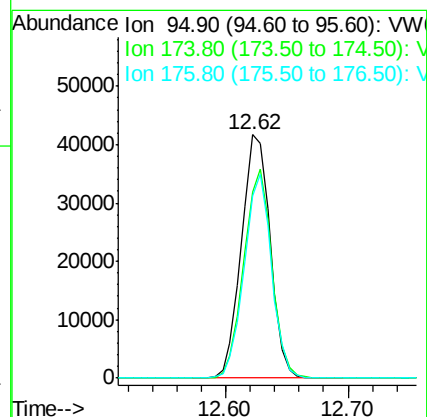
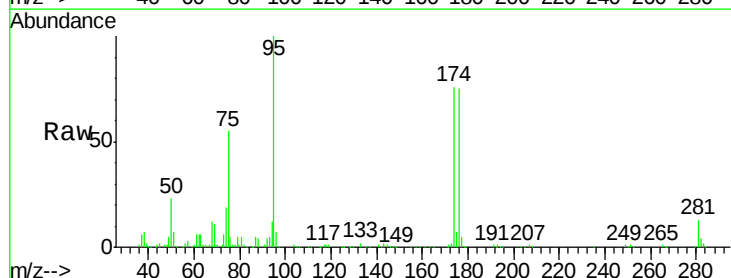
Tgt Ion: 95 Resp: 67852

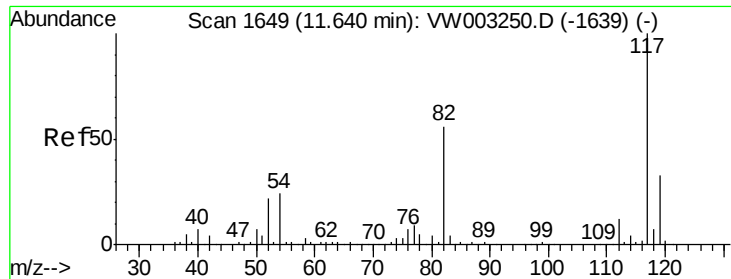
Ion Ratio Lower Upper

95 100

174 83.5 0.0 166.4

176 79.4 0.0 162.0

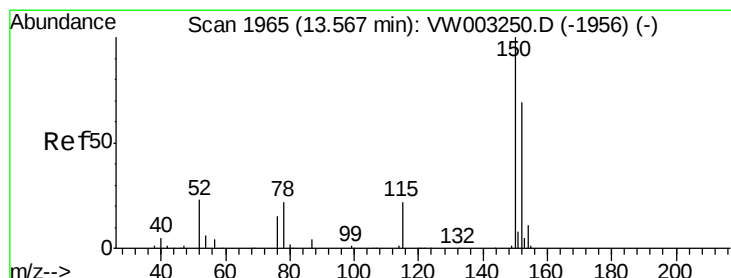
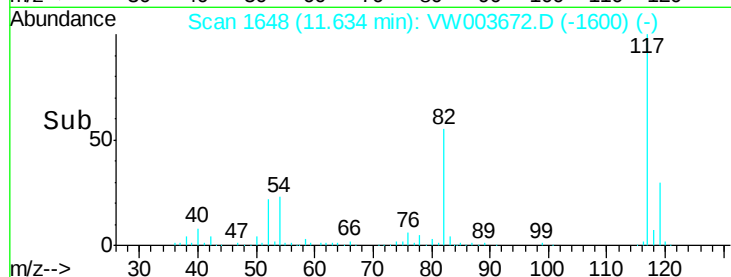
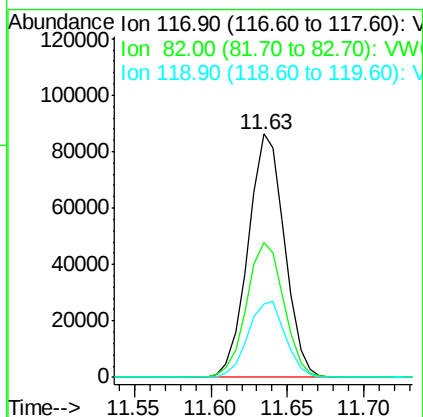
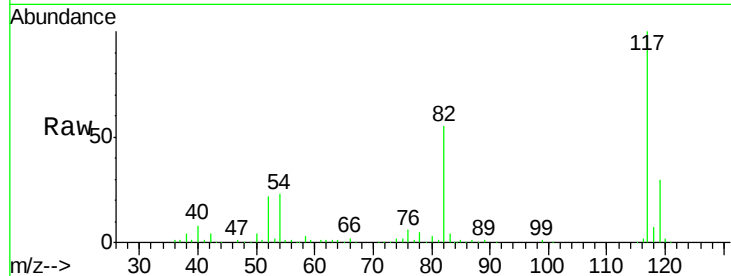




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.01 min  
Lab File: VW003672.D  
Acq: 29 Jun 2018 20:17

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MSVOA\_W  
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EPE-119-5(50-52)RE

Tot Ion:117 Resp: 142921  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.6 67.0  
119 30.3 26.7 40.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. 0.00 min  
Lab File: VW003672.D  
Acq: 29 Jun 2018 20:17

Tgt Ion:152 Resp: 64960  
Ion Ratio Lower Upper  
152 100  
115 59.5 29.3 88.0  
150 156.1 0.0 349.6

