

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
 Data File : VW003806.D  
 Acq On : 10 Jul 2018 05:25  
 Operator : SY/AP  
 Sample : J3879-20  
 Misc : 5.12G/5ML/MSVOA W/SOIL  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-10

Quant Time: Jul 10 07:12:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W070718S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jul 07 05:07:25 2018  
 Response via : Initial Calibration

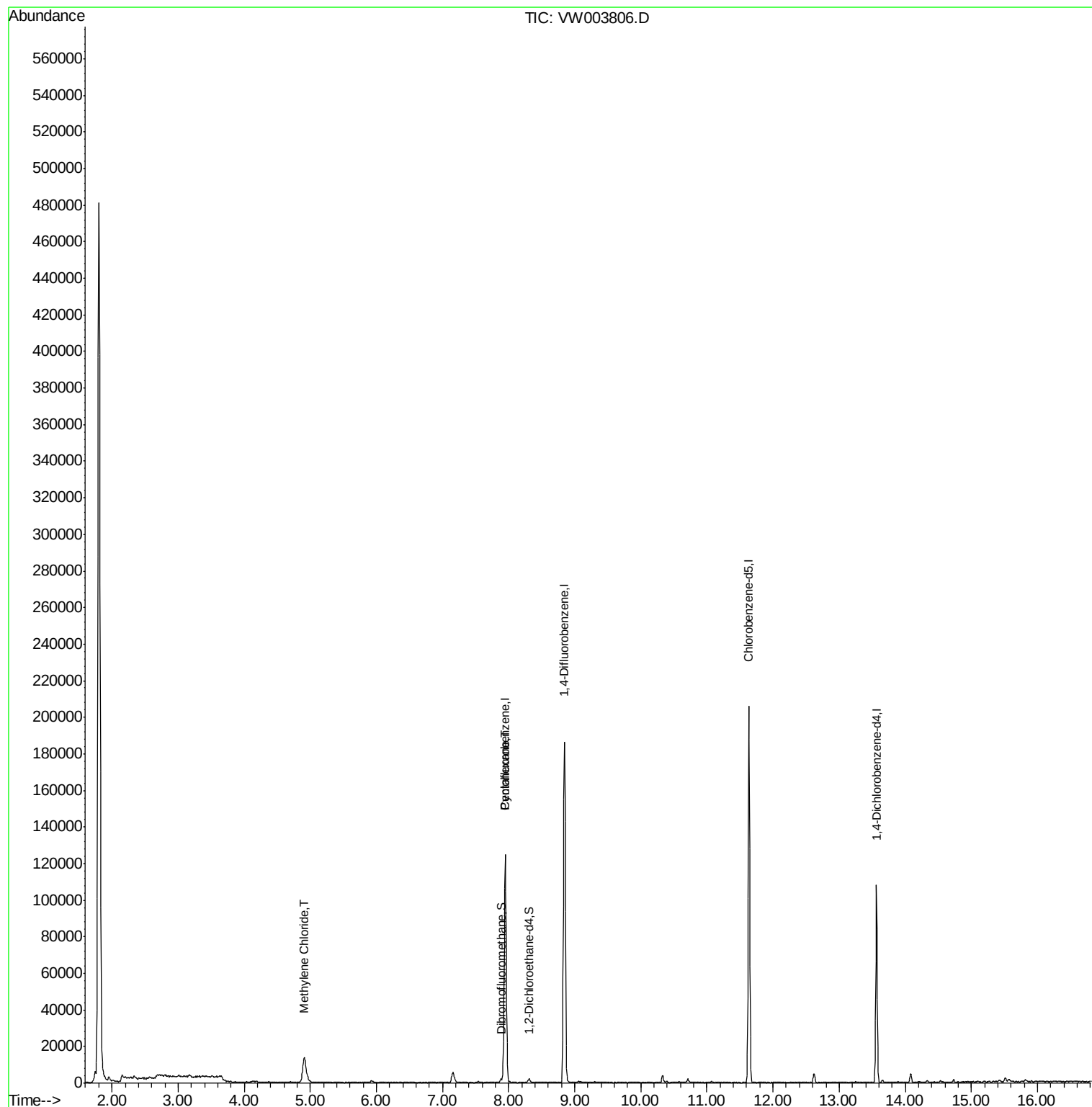
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.95   | 168  | 89242    | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.85   | 114  | 147075   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.63  | 117  | 110009   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.57  | 152  | 26898    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.31   | 65   | 1513     | 1.30  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 2.60%  |          |
| 35) Dibromofluoromethane    | 7.88   | 113  | 1253     | 1.22  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 2.44%  |          |
| 50) Toluene-d8              | 10.32  | 98   | 2817     | 0.72  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 1.44%  |          |
| 62) 4-Bromofluorobenzene    | 12.63  | 95   | 820      | 0.58  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 1.16%  |          |
| Target Compounds            |        |      |          |       |        |          |
| 20) Methylene Chloride      | 4.91   | 84   | 12000    | 8.524 | ug/l   | 97       |
| 31) Cyclohexane             | 7.95   | 56   | 2534     | 1.488 | ug/l # | 34       |

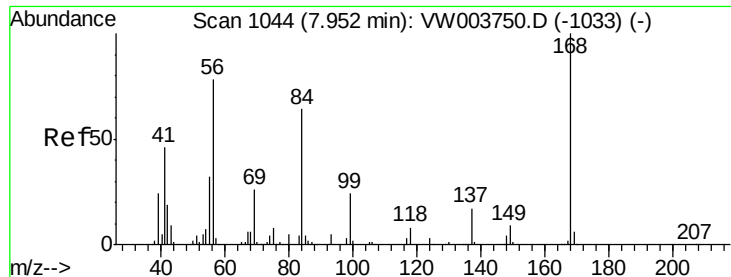
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
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SURCHARGE-SP-10

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Quant Title : SW846 8260  
QLast Update : Sat Jul 07 05:07:25 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003806.D

Acq: 10 Jul 2018 05:25

Instrument :

MSVOA\_W

ClientSampleId :

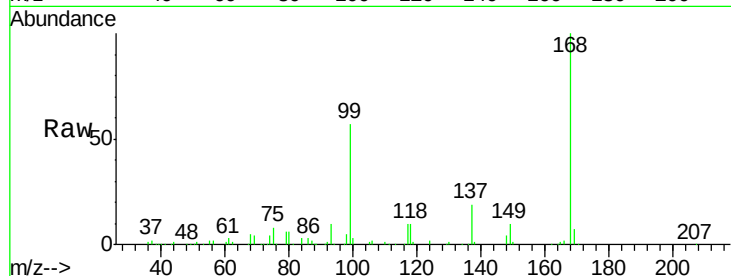
SURCHARGE-SP-10

Tot Ion:168 Resp: 89242

Ion Ratio Lower Upper

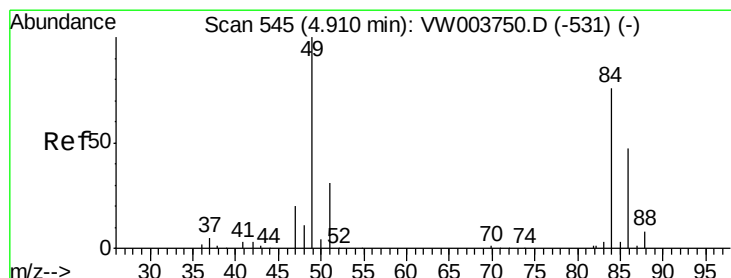
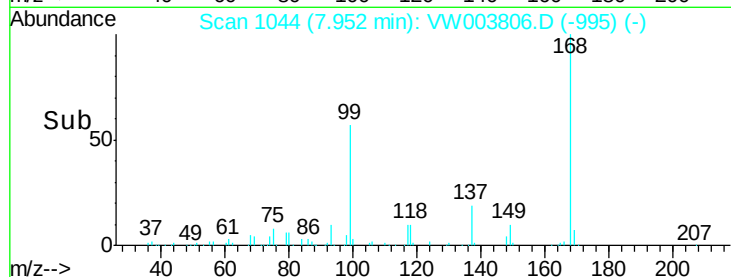
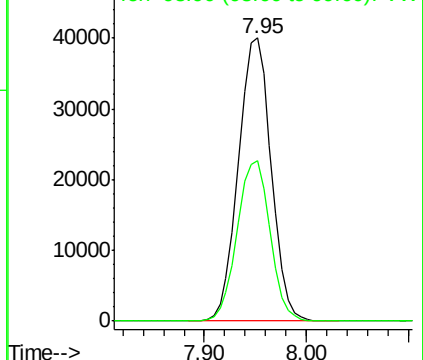
168 100

99 56.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#20

Methylene Chloride

Concen: 8.524 ug/l

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW003806.D

Acq: 10 Jul 2018 05:25

Tgt Ion: 84 Resp: 12000

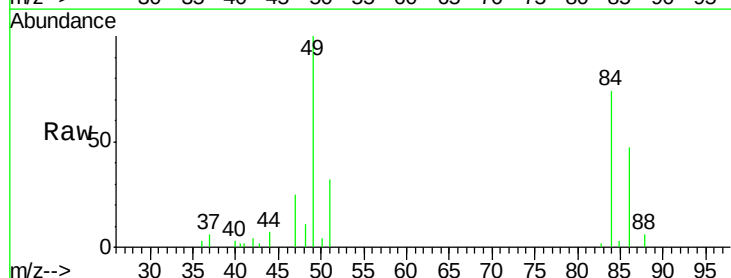
Ion Ratio Lower Upper

84 100

49 134.9 105.1 157.7

51 43.3 32.5 48.7

86 63.6 49.8 74.6

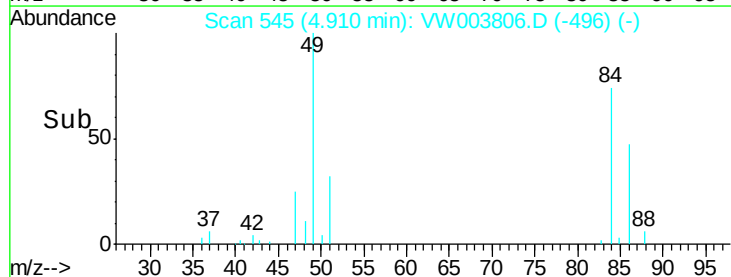
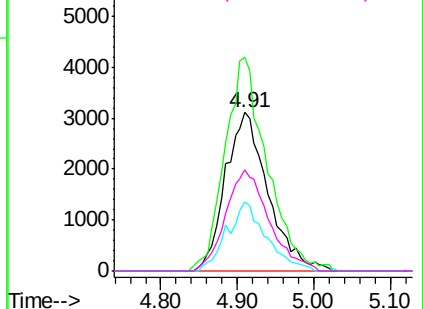


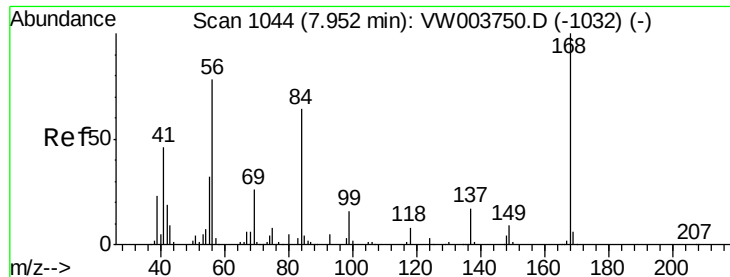
Abundance Ion 83.90 (83.60 to 84.60): VW

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

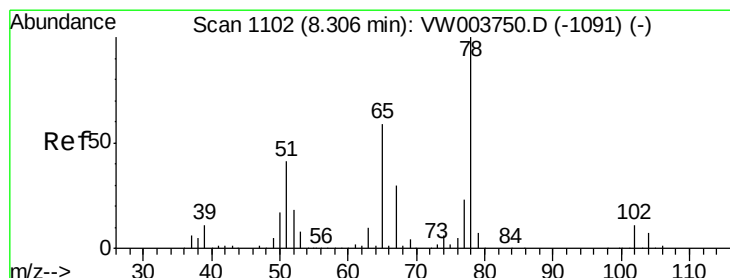
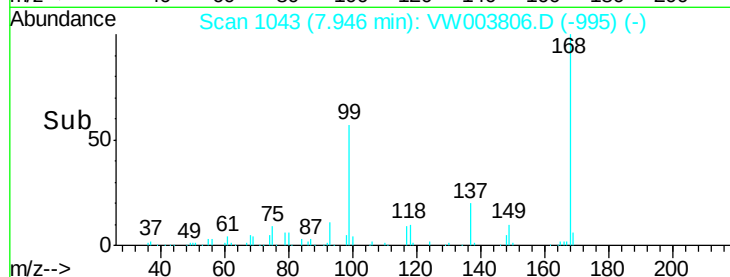
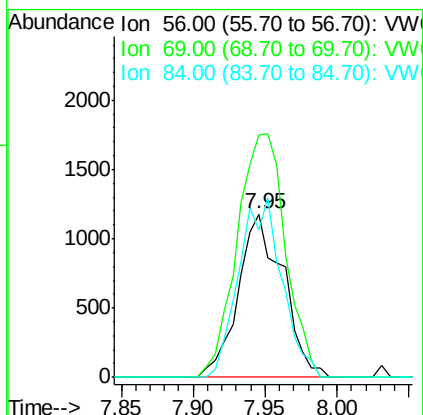
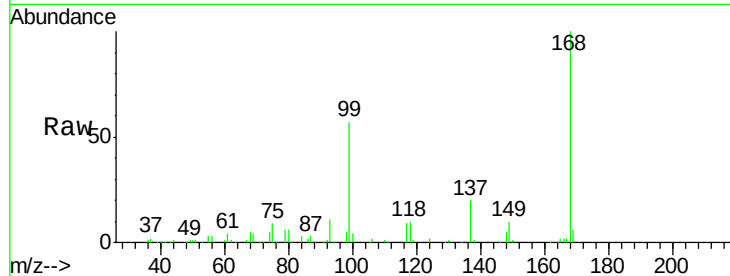




#31  
Cyclohexane  
Concen: 1.488 ug/l  
RT: 7.95 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: VW003806.D  
Acq: 10 Jul 2018 05:25

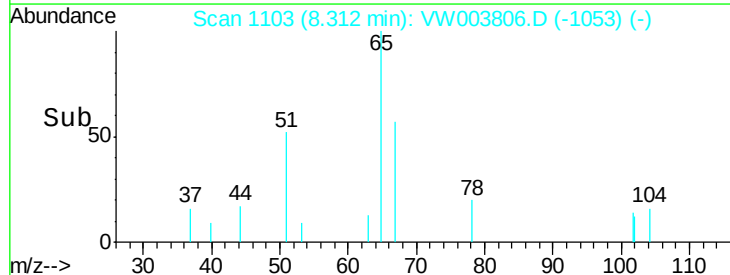
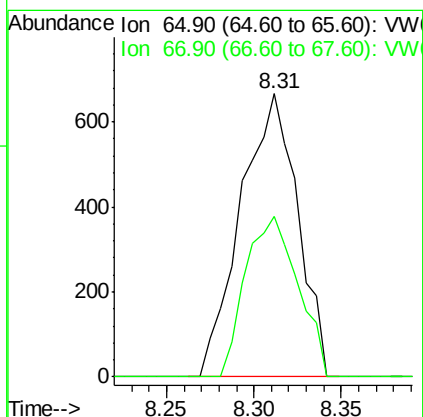
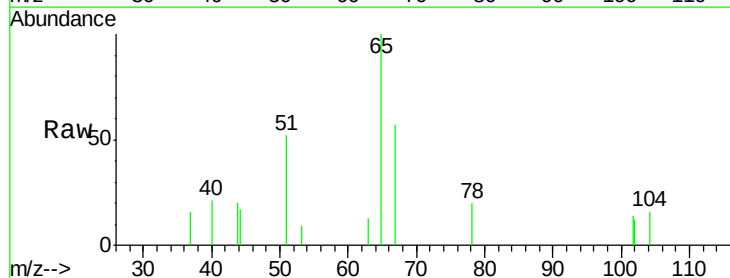
Instrument :  
MSVOA\_W  
ClientSampleId :  
SURCHARGE-SP-10

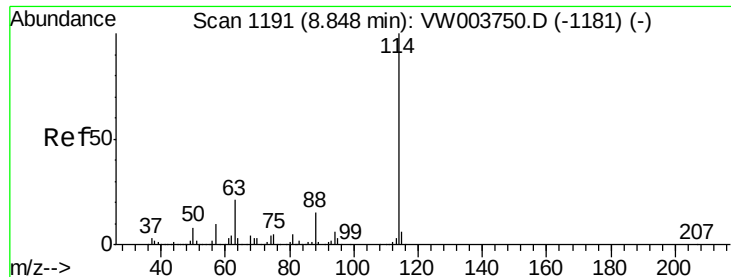
Tot Ion: 56 Resp: 2534  
Ion Ratio Lower Upper  
56 100  
69 148.6 26.2 39.4#  
84 90.9 65.5 98.3



#33  
1,2-Dichloroethane-d4  
Concen: 1.296 ug/l  
RT: 8.31 min Scan# 1103  
Delta R.T. 0.01 min  
Lab File: VW003806.D  
Acq: 10 Jul 2018 05:25

Tgt Ion: 65 Resp: 1513  
Ion Ratio Lower Upper  
65 100  
67 52.3 0.0 103.8

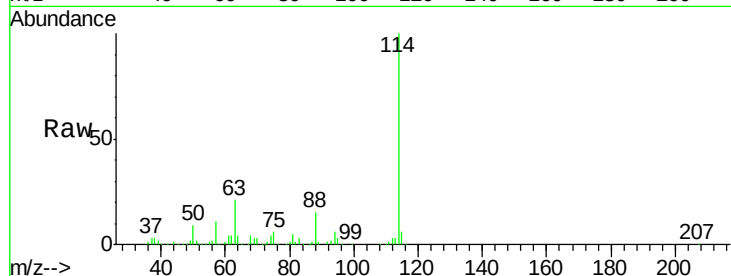




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW003806.D  
 Acq: 10 Jul 2018 05:25

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-10

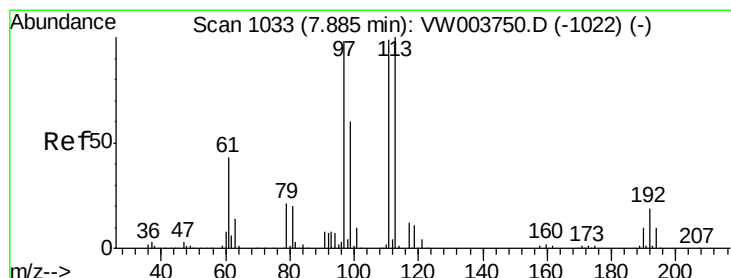
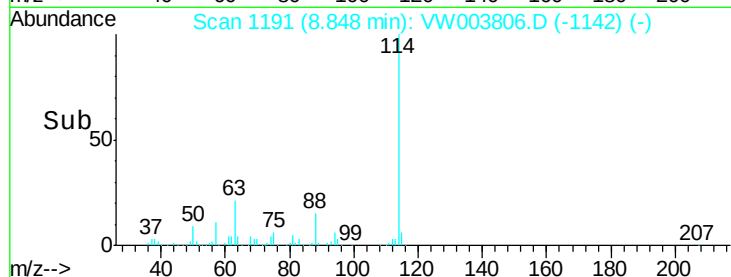
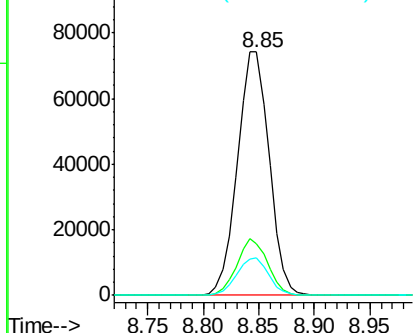
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.5  | 0.0   | 41.8  |
| 88      | 15.3  | 0.0   | 30.2  |



Abundance Ion 113.90 (113.60 to 114.60): V

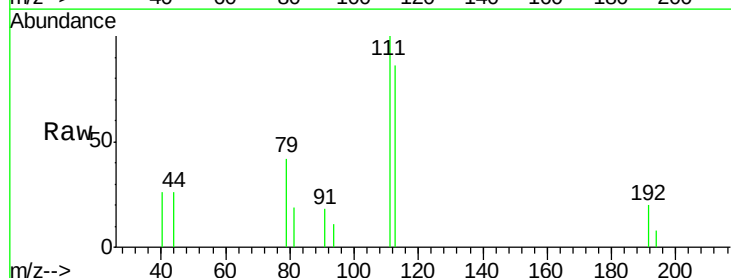
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35  
 Dibromofluoromethane  
 Concen: 1.217 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW003806.D  
 Acq: 10 Jul 2018 05:25

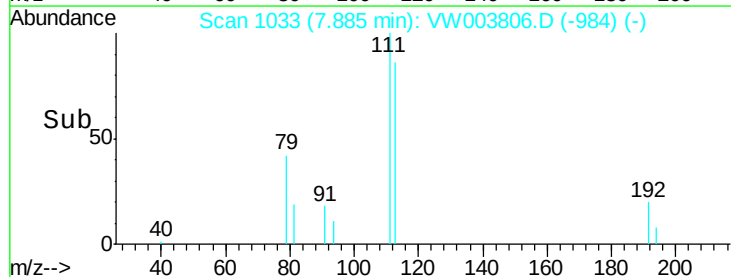
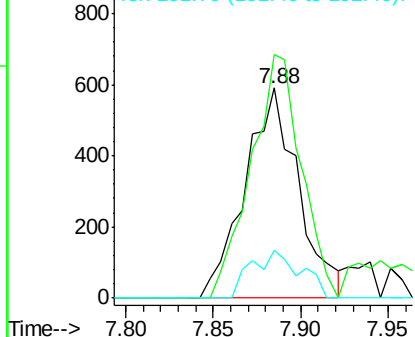
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 108.9 | 81.7  | 122.5 |
| 192     | 21.0  | 15.8  | 23.8  |

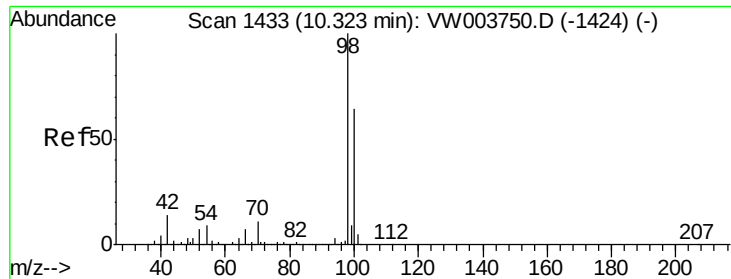


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 0.715 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VW003806.D

Acq: 10 Jul 2018 05:25

Instrument :

MSVOA\_W

ClientSampleId :

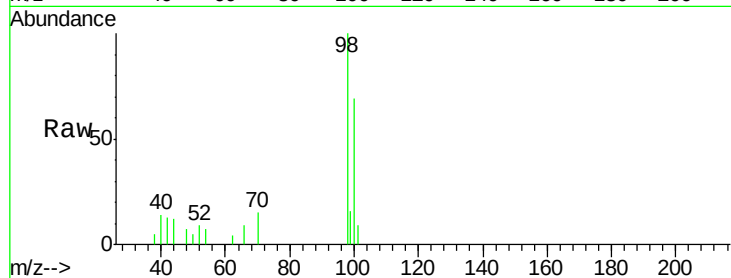
SURCHARGE-SP-10

Tot Ion: 98 Resp: 2817

Ion Ratio Lower Upper

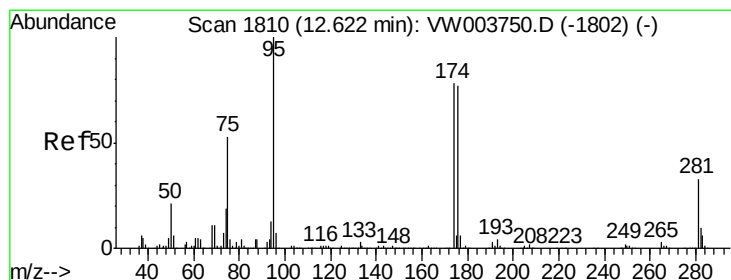
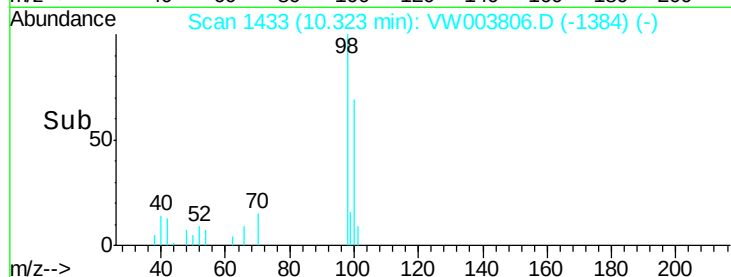
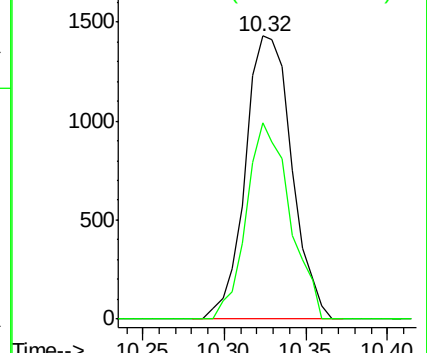
98 100

100 65.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 0.576 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW003806.D

Acq: 10 Jul 2018 05:25

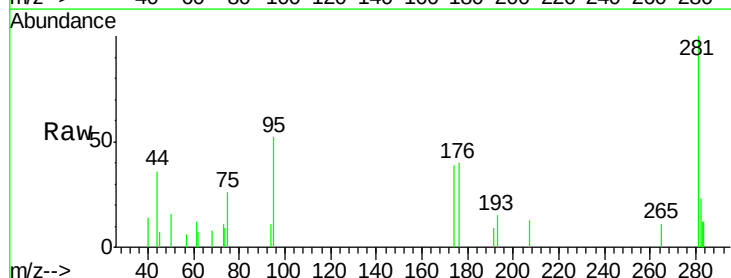
Tgt Ion: 95 Resp: 820

Ion Ratio Lower Upper

95 100

174 92.0 0.0 163.4

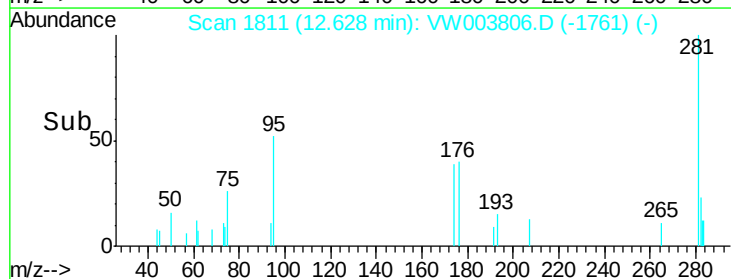
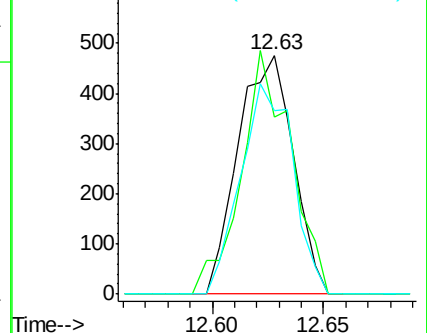
176 83.8 0.0 156.8

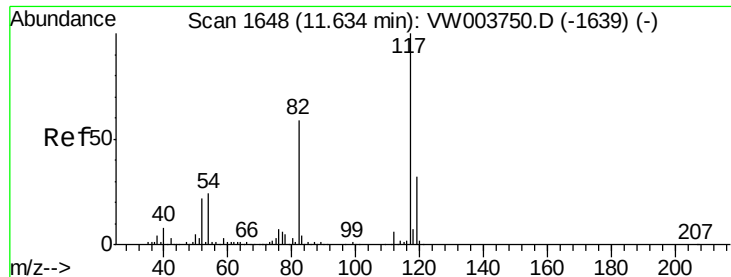


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW

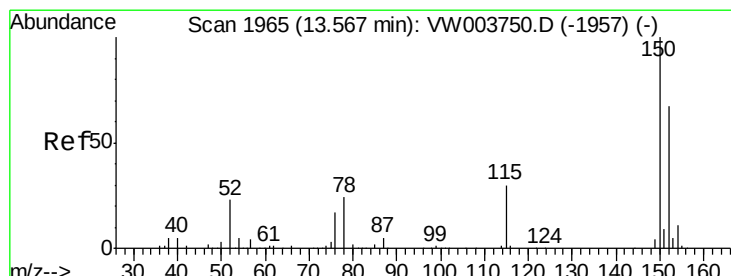
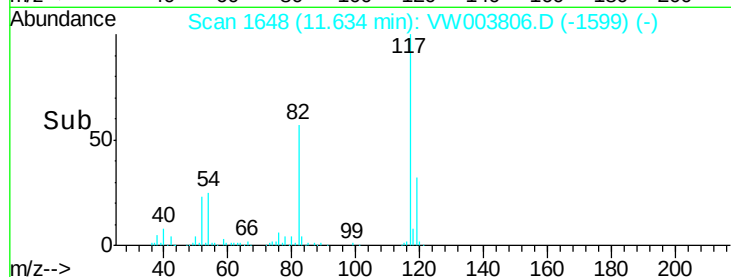
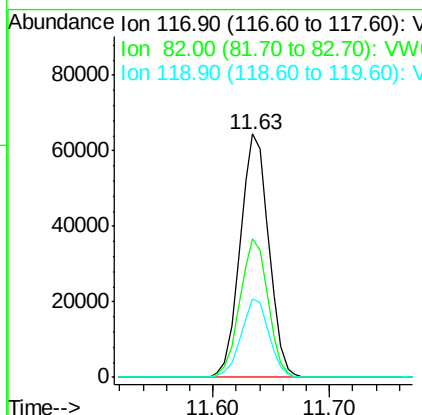
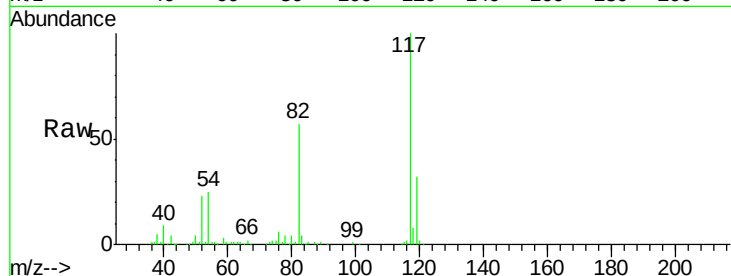




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003806.D  
Acq: 10 Jul 2018 05:25

Instrument :  
MSVOA\_W  
ClientSampleId :  
SURCHARGE-SP-10

Tot Ion:117 Resp: 110009  
Ion Ratio Lower Upper  
117 100  
82 56.9 46.9 70.3  
119 32.1 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.57 min Scan# 1965  
Delta R.T. -0.00 min  
Lab File: VW003806.D  
Acq: 10 Jul 2018 05:25

Tgt Ion:152 Resp: 26898  
Ion Ratio Lower Upper  
152 100  
115 59.2 28.9 86.8  
150 157.9 0.0 342.4

