

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
 Data File : VW003801.D  
 Acq On : 10 Jul 2018 03:15  
 Operator : SY/AP  
 Sample : J3879-10  
 Misc : 5.32G/5ML/MSVOA W/SOIL  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-5

Quant Time: Jul 10 04:34:14 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

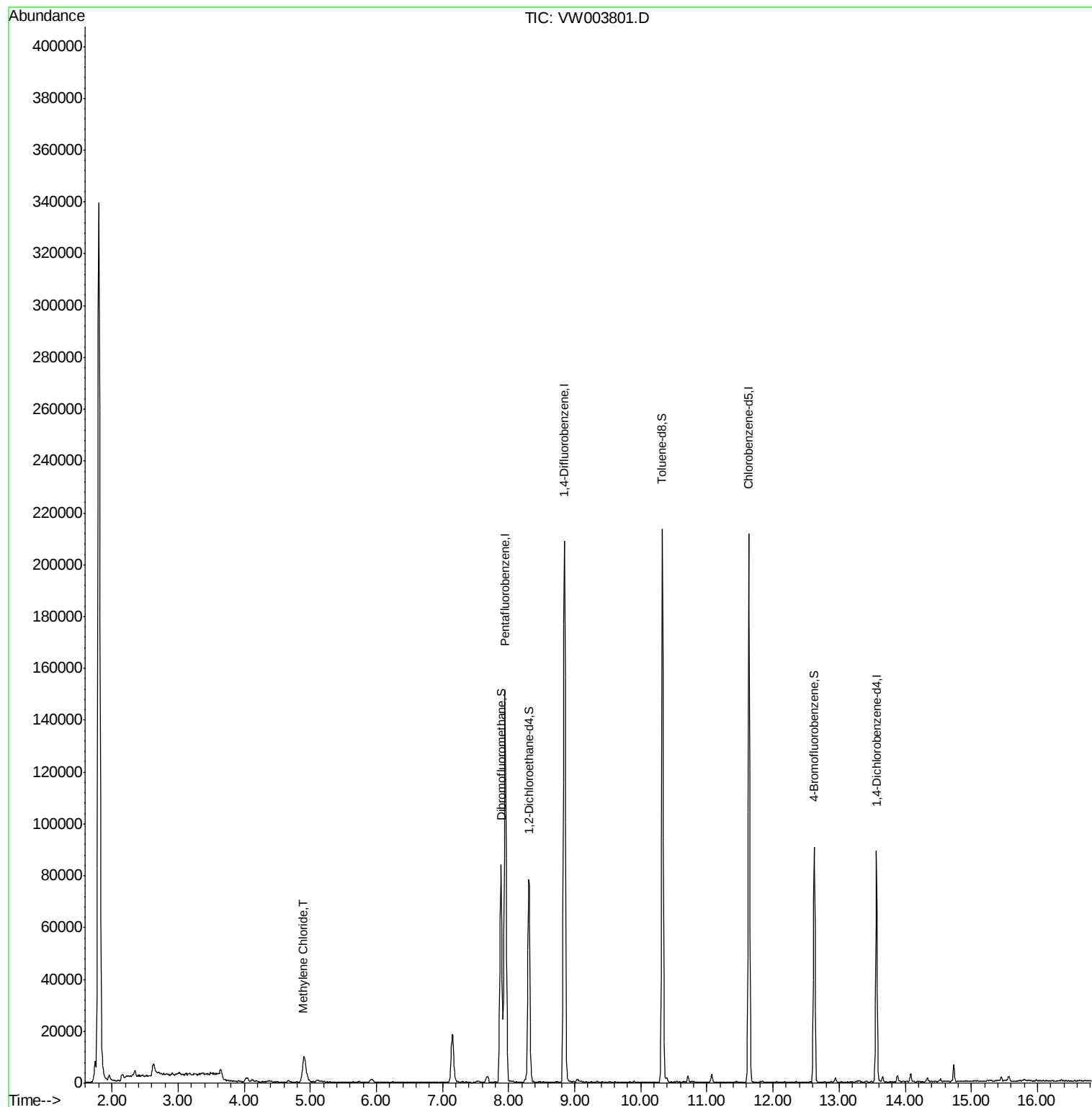
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 107640   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.85  | 114  | 169405   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 109074   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 22566    | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 63472    | 45.09 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.18% |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 56994    | 48.07 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.14% |           |
| 50) Toluene-d8              | 10.32 | 98   | 140142   | 30.90 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 61.80% |           |
| 62) 4-Bromofluorobenzene    | 12.62 | 95   | 26634    | 16.23 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 32.46% |           |
| Target Compounds            |       |      |          |       |        |           |
| 20) Methylene Chloride      | 4.89  | 84   | 8609     | 3.123 | ug/l   | Qvalue 95 |

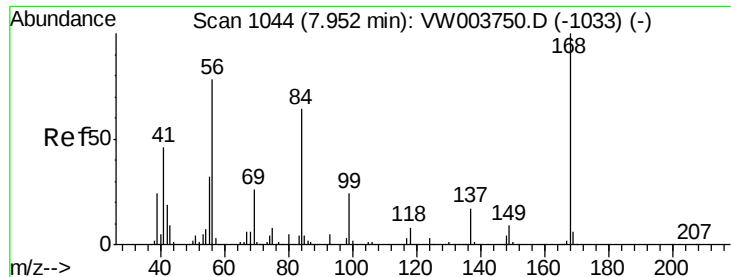
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SURCHARGE-SP-5

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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# 1043

Delta R.T. -0.01 min

Lab File: VW003801.D

Acq: 10 Jul 2018 03:15

Instrument :

MSVOA\_W

ClientSampleId :

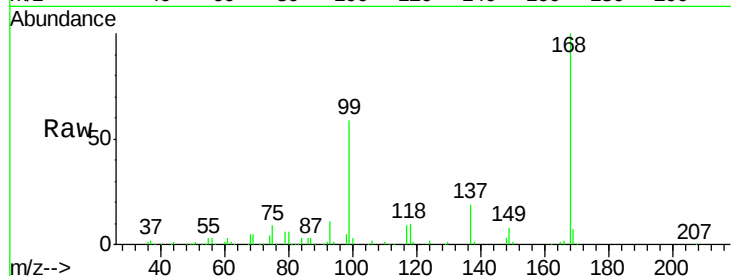
SURCHARGE-SP-5

Tot Ion:168 Resp: 107640

Ion Ratio Lower Upper

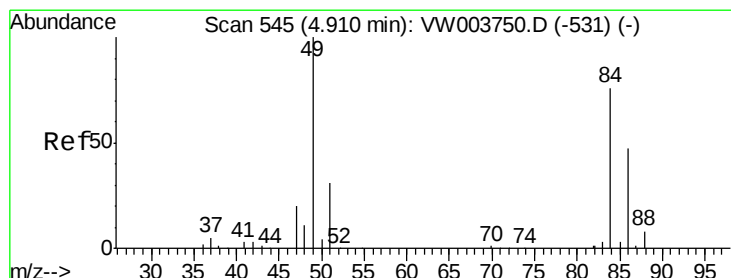
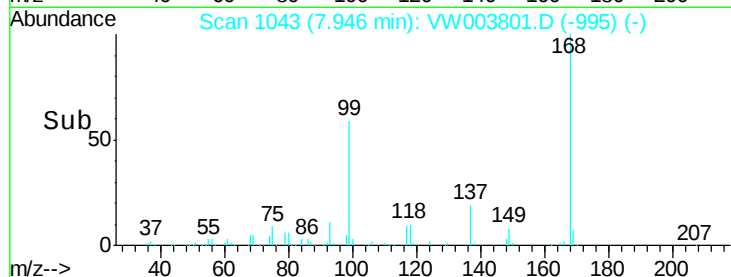
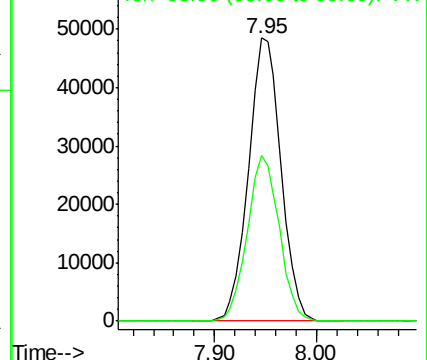
168 100

99 58.6 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: 3.123 ug/l

RT: 4.89 min Scan# 542

Delta R.T. -0.02 min

Lab File: VW003801.D

Acq: 10 Jul 2018 03:15

Tgt Ion: 84 Resp: 8609

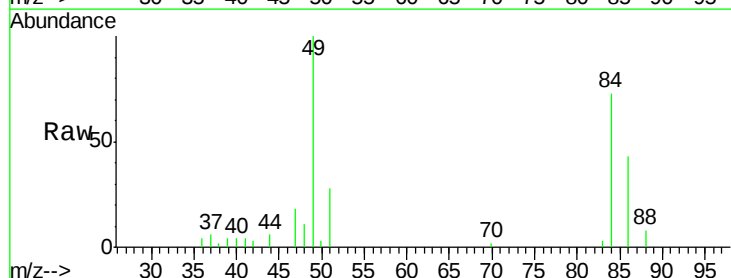
Ion Ratio Lower Upper

84 100

49 137.3 105.1 157.7

51 38.3 32.5 48.7

86 58.4 49.8 74.6

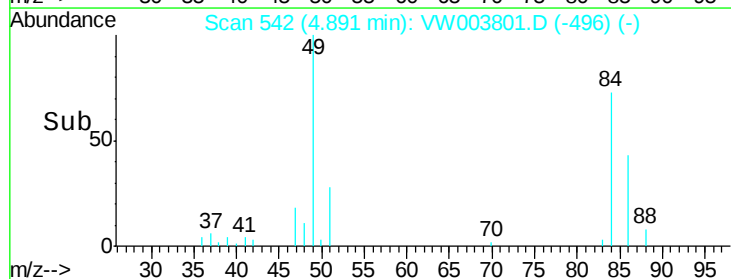
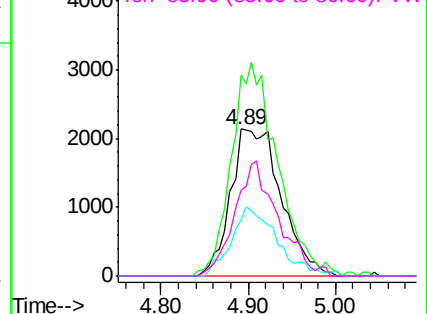


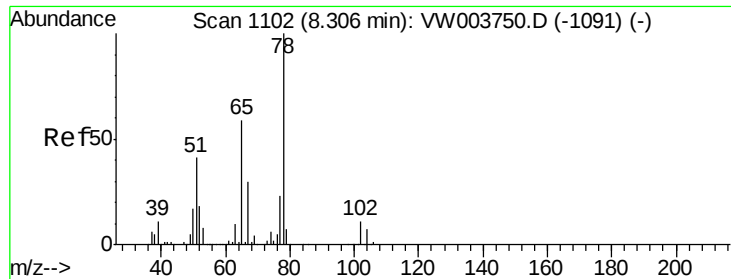
Abundance Ion 83.90 (83.60 to 84.60): VW

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

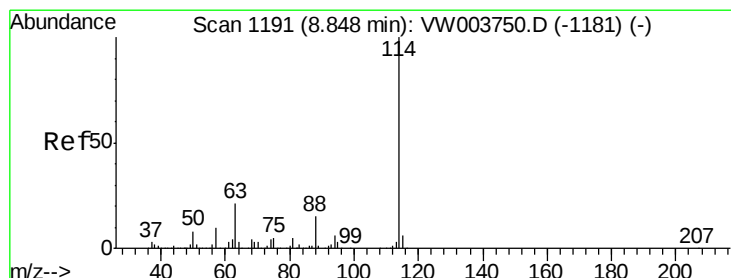
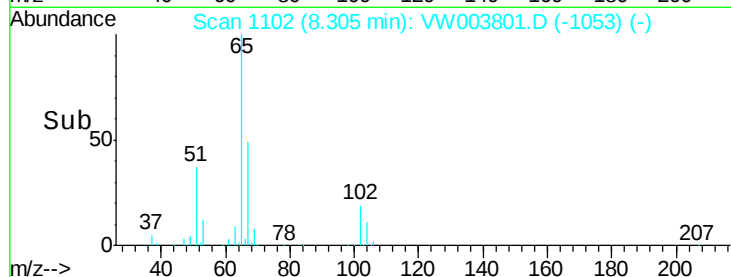
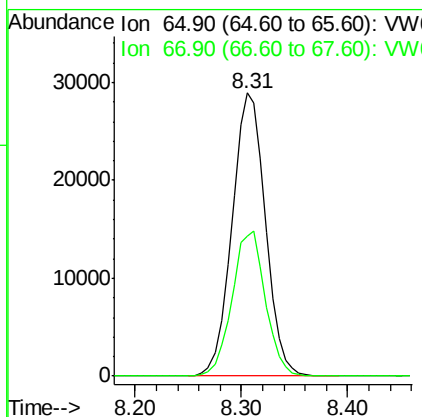
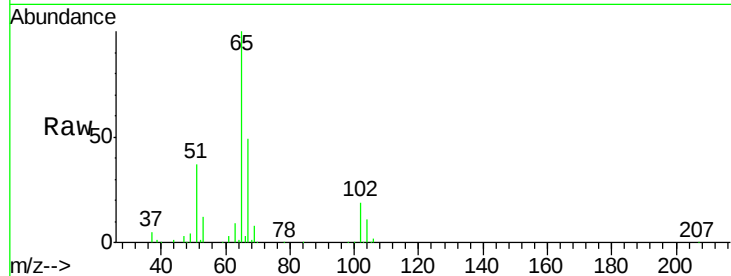




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.091 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: VW003801.D  
 Acq: 10 Jul 2018 03:15

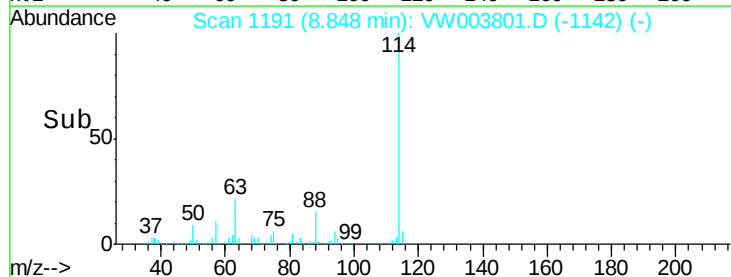
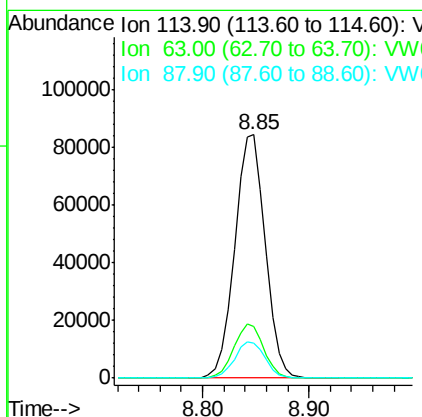
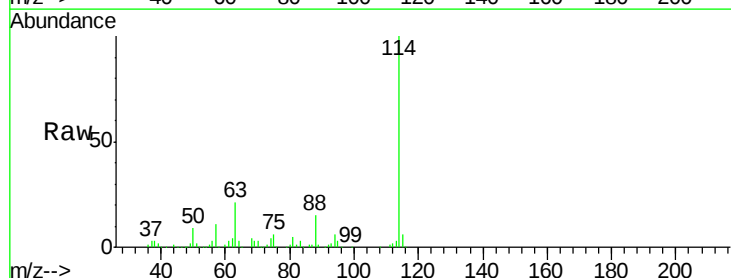
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-5

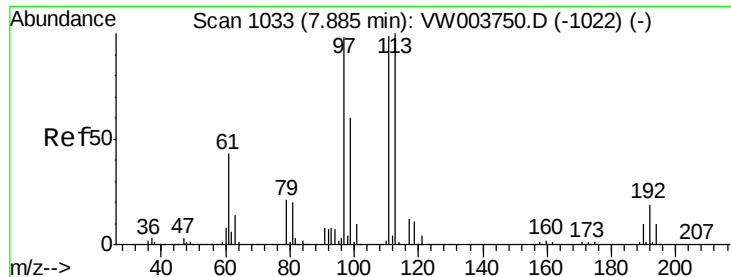
Tot Ion: 65 Resp: 63472  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1191  
 Delta R.T. -0.00 min  
 Lab File: VW003801.D  
 Acq: 10 Jul 2018 03:15

Tgt Ion: 114 Resp: 169405  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 41.8  
 88 14.5 0.0 30.2

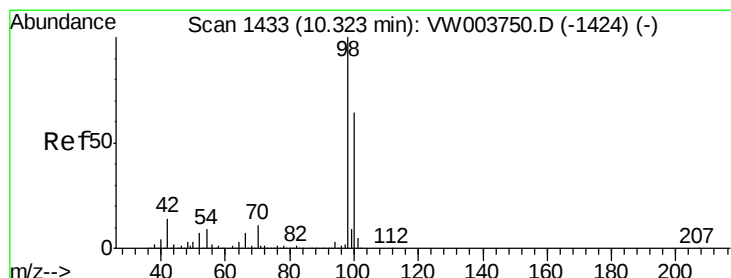
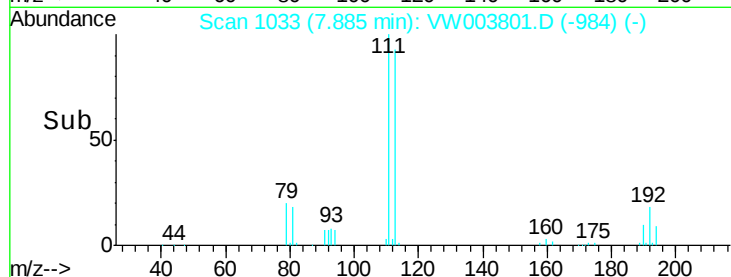
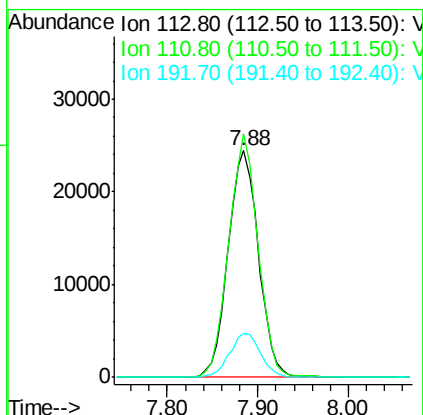
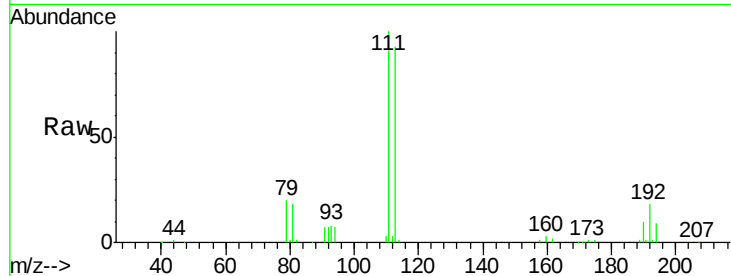




#35  
 Dibromofluoromethane  
 Concen: 48.070 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW003801.D  
 Acq: 10 Jul 2018 03:15

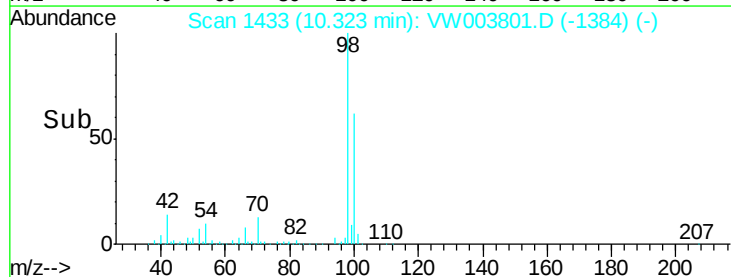
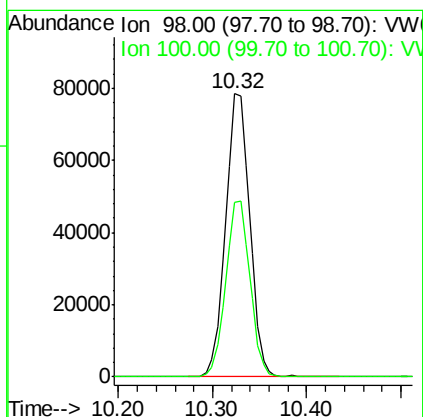
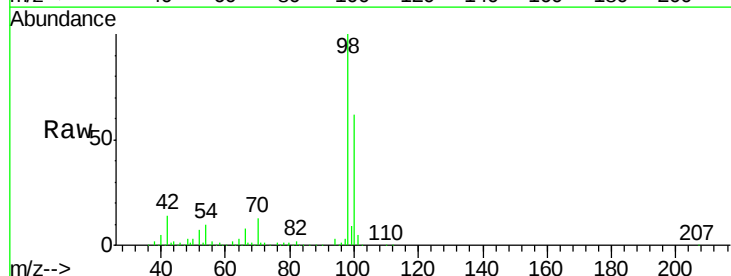
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-5

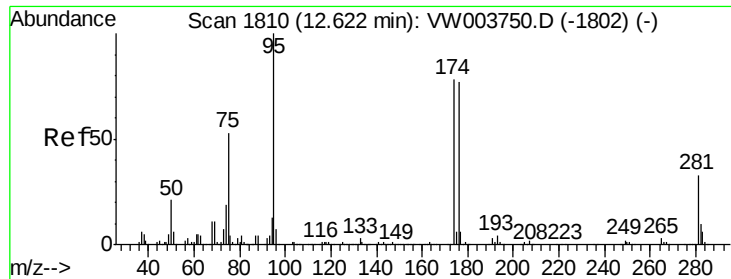
Tot Ion:113 Resp: 56994  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 81.7 122.5  
 192 19.7 15.8 23.8



#50  
 Toluene-d8  
 Concen: 30.900 ug/l  
 RT: 10.32 min Scan# 1433  
 Delta R.T. -0.00 min  
 Lab File: VW003801.D  
 Acq: 10 Jul 2018 03:15

Tgt Ion: 98 Resp: 140142  
 Ion Ratio Lower Upper  
 98 100  
 100 62.1 50.8 76.2

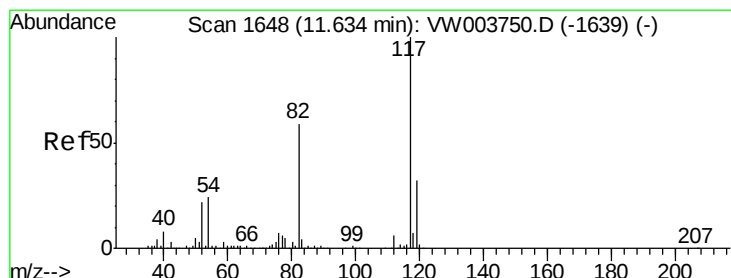
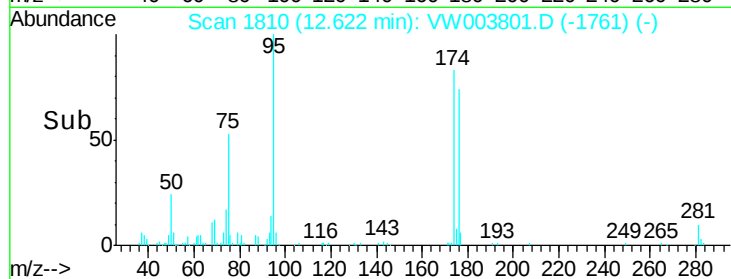
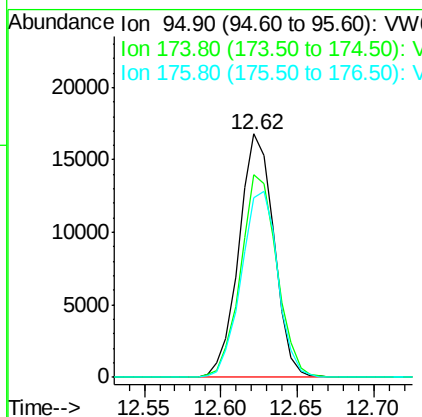
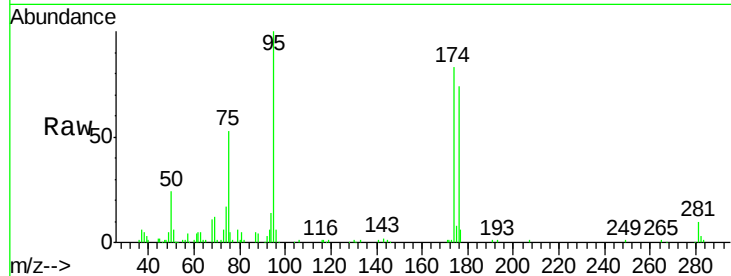




#62  
4-Bromofluorobenzene  
Concen: 16.231 ug/l  
RT: 12.62 min Scan# 1810  
Delta R.T. -0.00 min  
Lab File: VW003801.D  
Acq: 10 Jul 2018 03:15

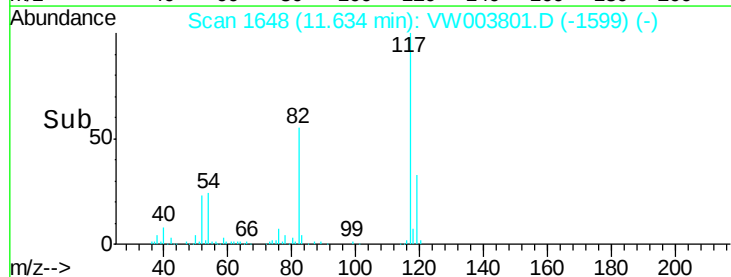
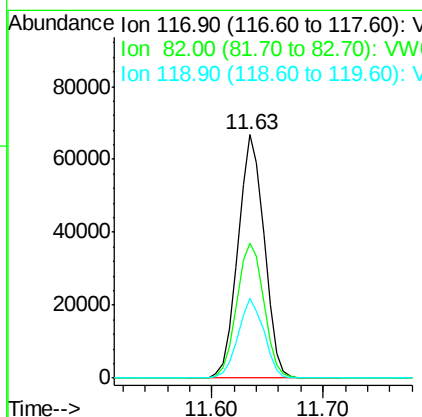
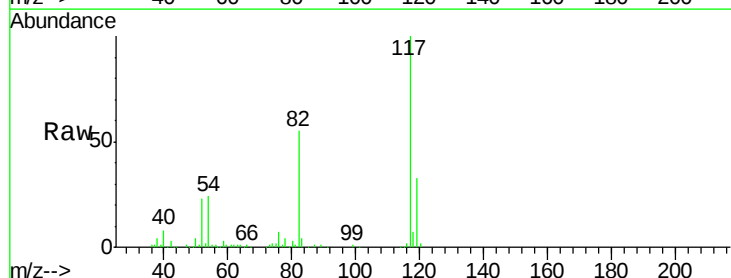
Instrument :  
MSVOA\_W  
ClientSampleId :  
SURCHARGE-SP-5

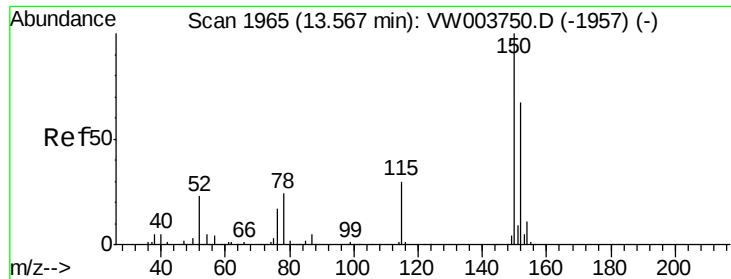
Tot Ion: 95 Resp: 26634  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 163.4  
176 79.9 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003801.D  
Acq: 10 Jul 2018 03:15

Tgt Ion: 117 Resp: 109074  
Ion Ratio Lower Upper  
117 100  
82 55.3 46.9 70.3  
119 32.9 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: VW003801.D

Acq: 10 Jul 2018 03:15

Instrument :

MSVOA\_W

ClientSampleId :

SURCHARGE-SP-5

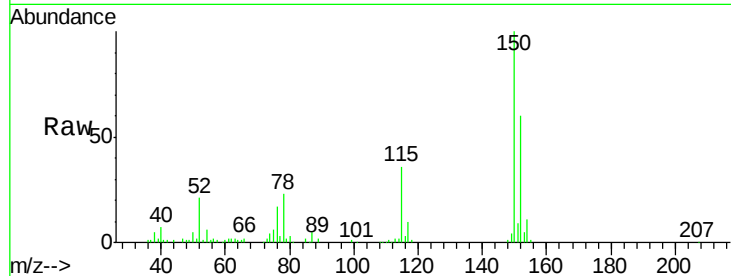
Tot Ion:152 Resp: 22566

Ion Ratio Lower Upper

152 100

115 60.1 28.9 86.8

150 162.5 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

