

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\  
 Data File : VW003807.D  
 Acq On : 10 Jul 2018 05:51  
 Operator : SY/AP  
 Sample : J3880-02  
 Misc : 4.98G/5ML/MSVOA W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-11

Quant Time: Jul 10 07:18:49 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

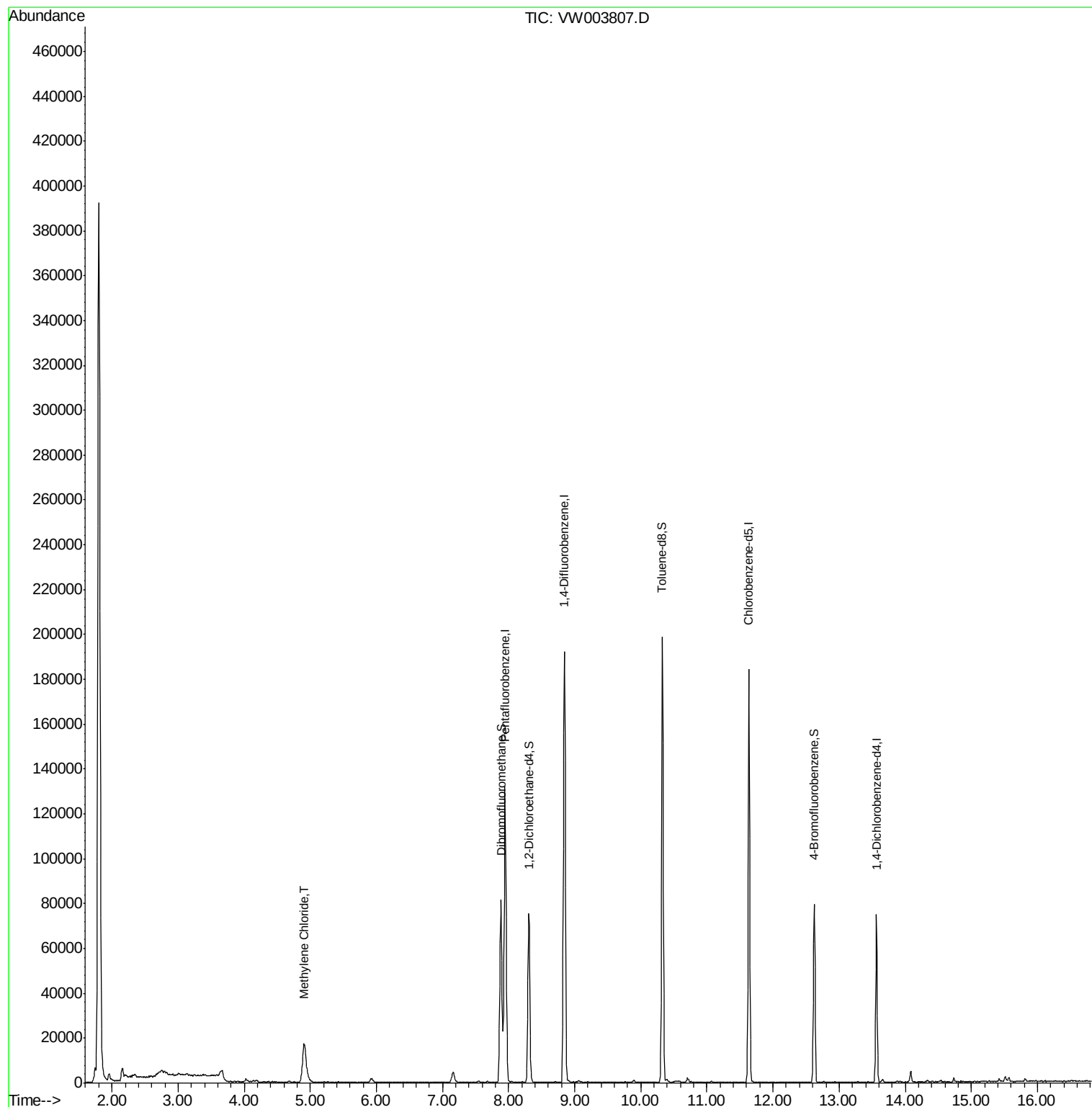
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.95  | 168  | 93486    | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.84  | 114  | 148690   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.63 | 117  | 96249    | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.57 | 152  | 19455    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.31  | 65   | 59223    | 48.44  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.88%  |           |
| 35) Dibromofluoromethane    | 7.88  | 113  | 53701    | 51.60  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.20% |           |
| 50) Toluene-d8              | 10.33 | 98   | 129175   | 32.45  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 64.90%  |           |
| 62) 4-Bromofluorobenzene    | 12.63 | 95   | 23539    | 16.34  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 32.68%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 20) Methylene Chloride      | 4.90  | 84   | 15887    | 12.041 | ug/l    | Qvalue 92 |

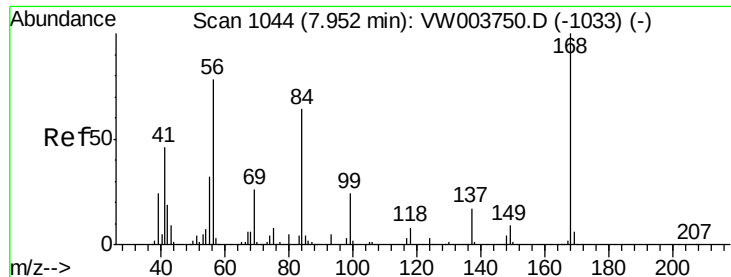
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003807.D

Acq: 10 Jul 2018 05:51

Instrument :

MSVOA\_W

ClientSampleId :

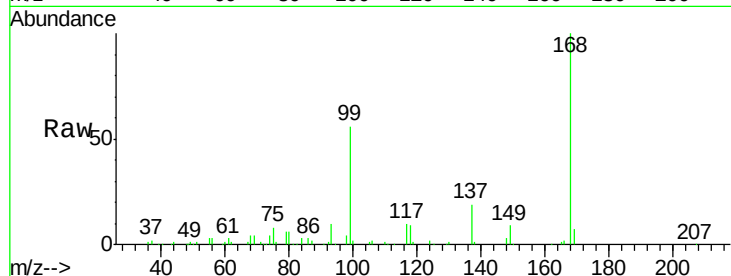
SURCHARGE-SP-11

Tot Ion:168 Resp: 93486

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

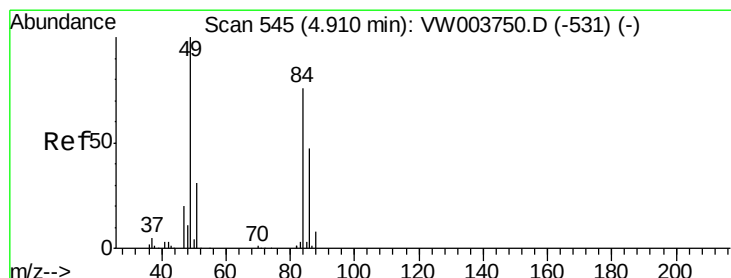
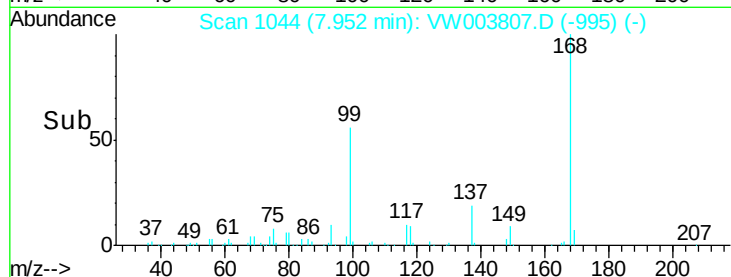
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#20

Methylene Chloride

Concen: 12.041 ug/l

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003807.D

Acq: 10 Jul 2018 05:51

Tgt Ion: 84 Resp: 15887

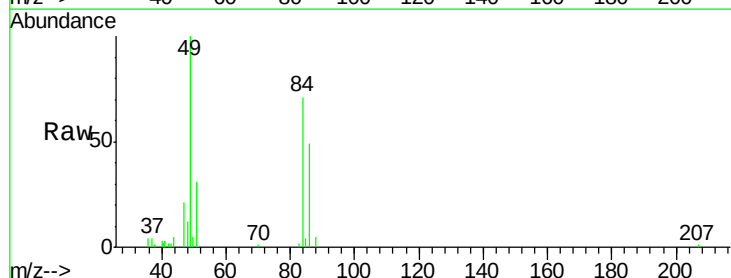
Ion Ratio Lower Upper

84 100

49 141.1 105.1 157.7

51 43.3 32.5 48.7

86 69.2 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

8000

6000

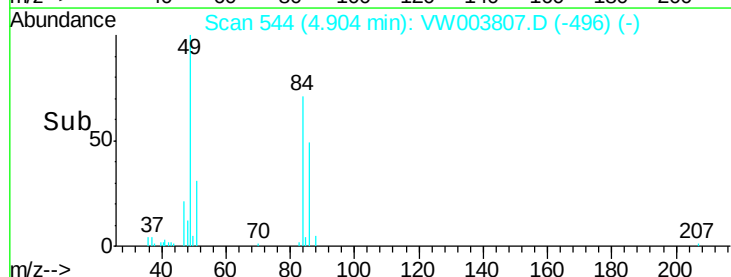
4000

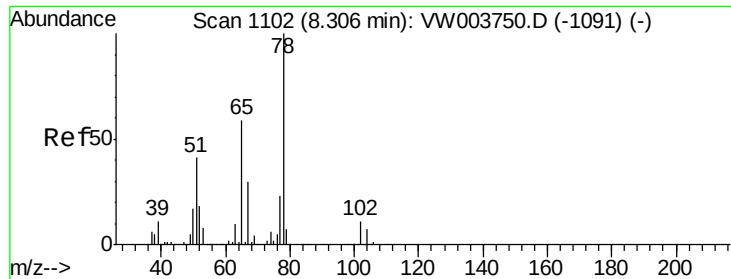
2000

0

4.80 4.90 5.00 5.10

Time-->

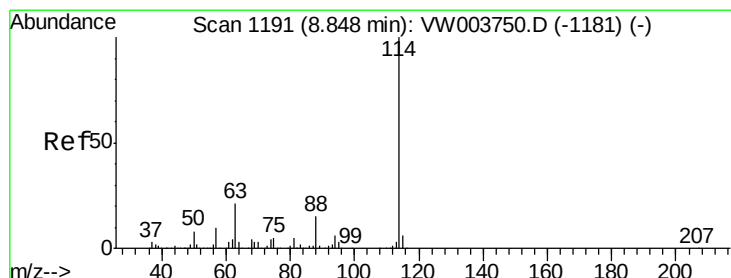
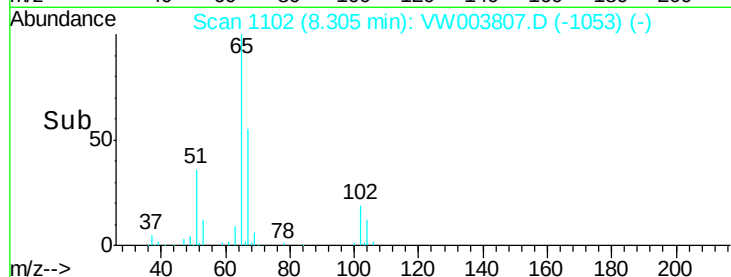
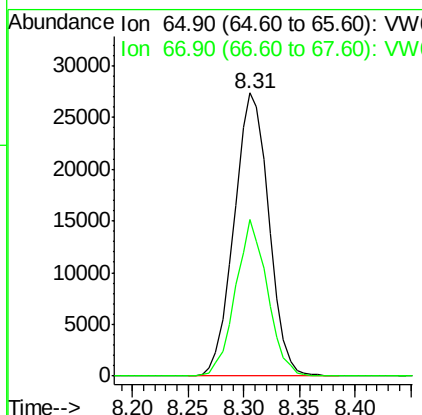
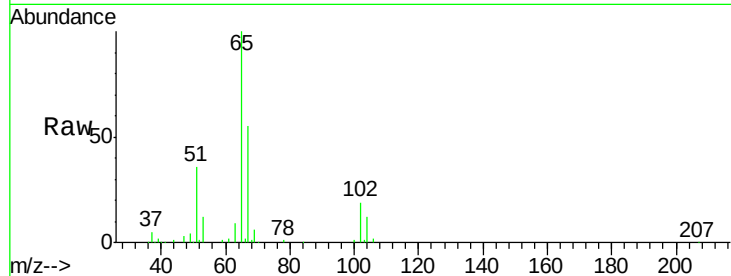




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.443 ug/l  
 RT: 8.31 min Scan# 1102  
 Delta R.T. -0.00 min  
 Lab File: VW003807.D  
 Acq: 10 Jul 2018 05:51

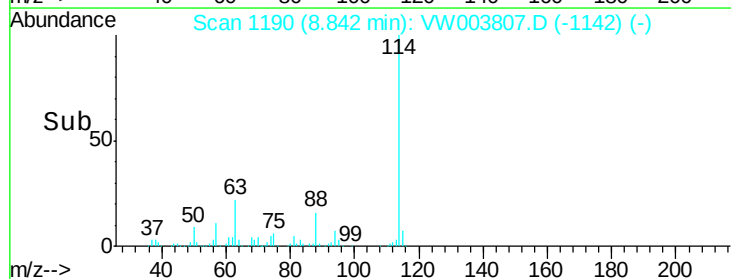
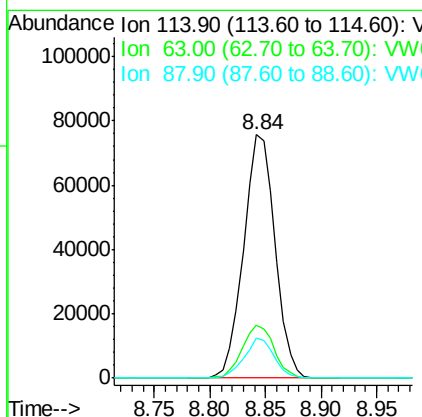
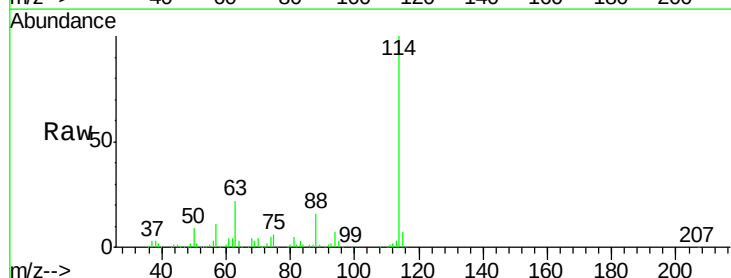
Instrument :  
 MSVOA\_W  
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 SURCHARGE-SP-11

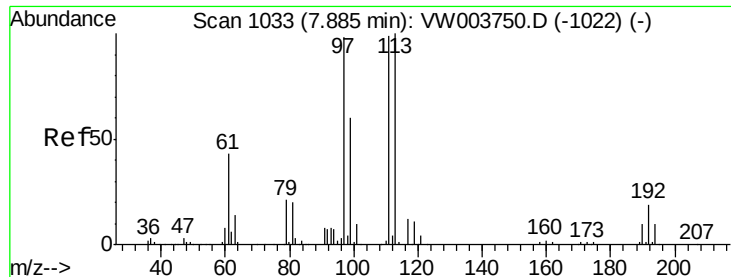
Tot Ion: 65 Resp: 59223  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.84 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: VW003807.D  
 Acq: 10 Jul 2018 05:51

Tgt Ion: 114 Resp: 148690  
 Ion Ratio Lower Upper  
 114 100  
 63 21.9 0.0 41.8  
 88 16.3 0.0 30.2

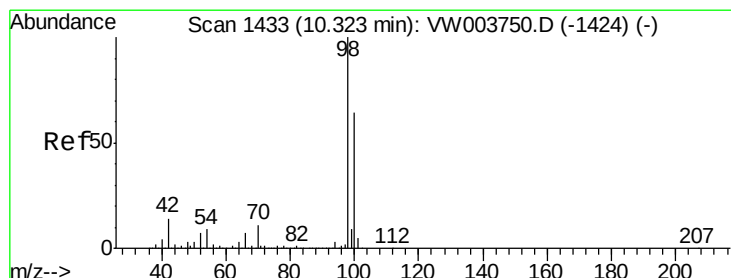
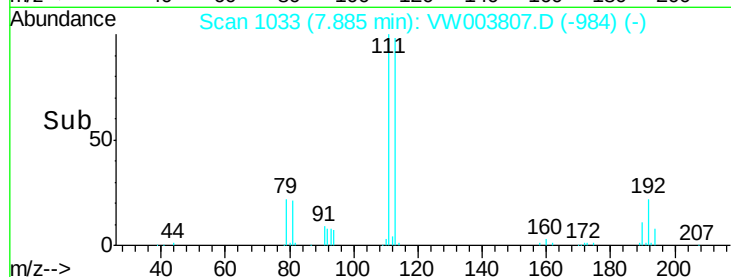
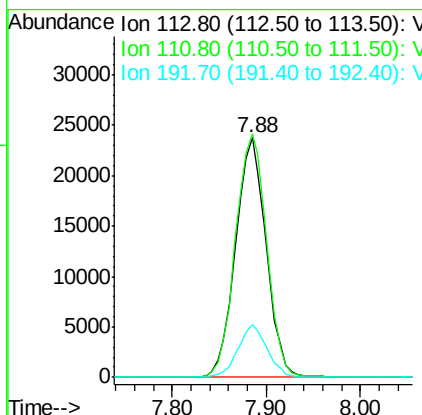
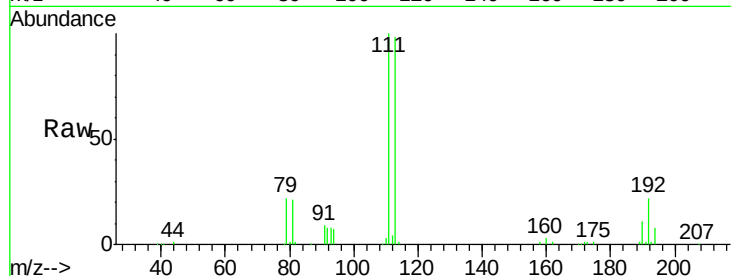




#35  
 Dibromofluoromethane  
 Concen: 51.603 ug/l  
 RT: 7.88 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: VW003807.D  
 Acq: 10 Jul 2018 05:51

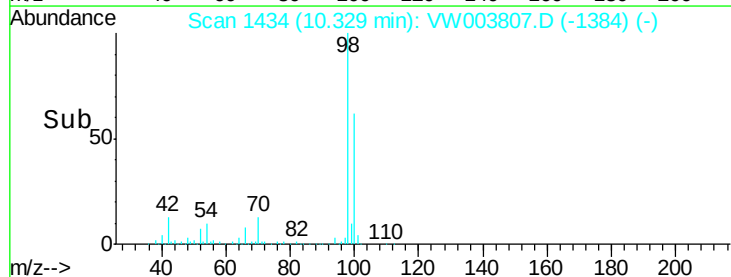
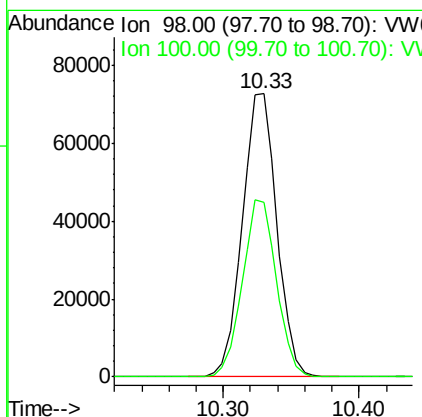
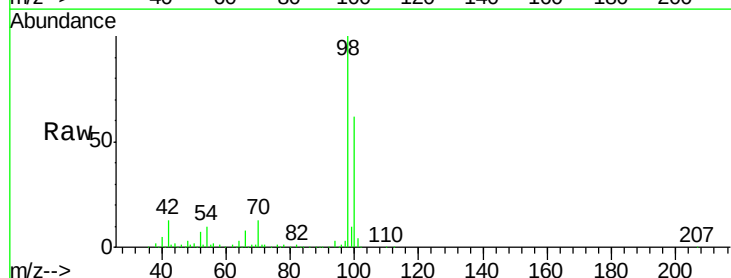
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 SURCHARGE-SP-11

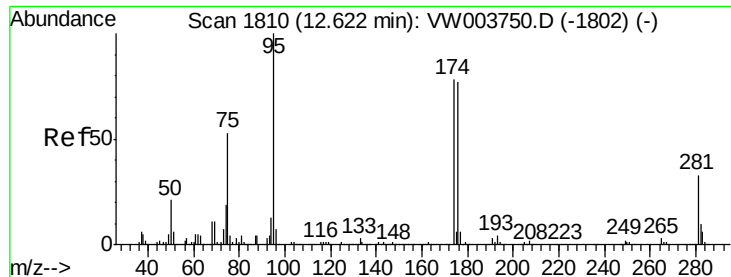
Tot Ion:113 Resp: 53701  
 Ion Ratio Lower Upper  
 113 100  
 111 103.9 81.7 122.5  
 192 20.9 15.8 23.8



#50  
 Toluene-d8  
 Concen: 32.450 ug/l  
 RT: 10.33 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: VW003807.D  
 Acq: 10 Jul 2018 05:51

Tgt Ion: 98 Resp: 129175  
 Ion Ratio Lower Upper  
 98 100  
 100 61.9 50.8 76.2

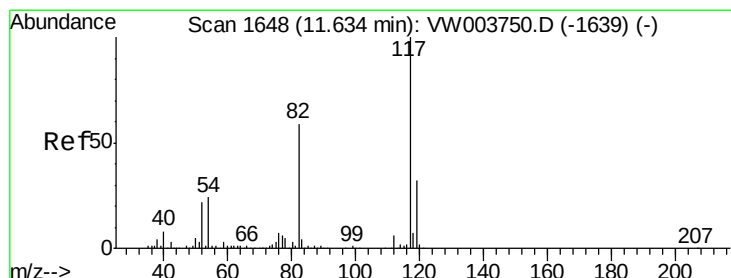
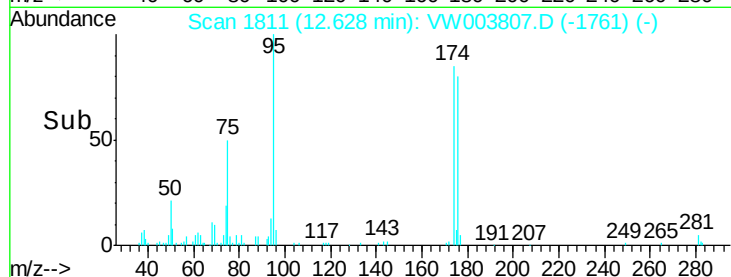
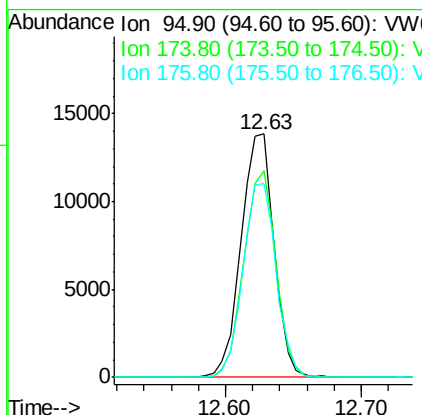
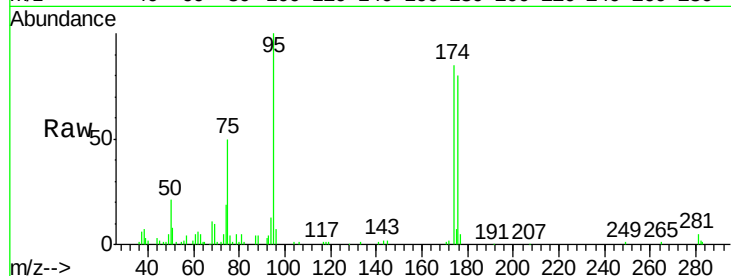




#62  
4-Bromofluorobenzene  
Concen: 16.343 ug/l  
RT: 12.63 min Scan# 1811  
Delta R.T. 0.01 min  
Lab File: VW003807.D  
Acq: 10 Jul 2018 05:51

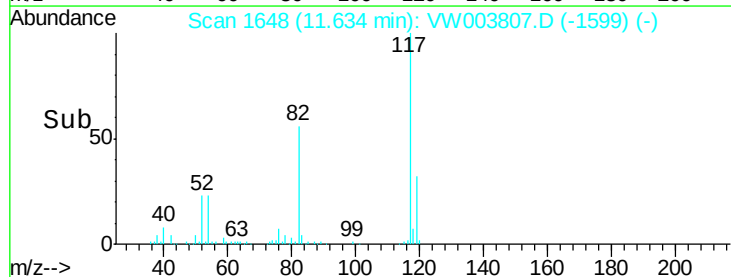
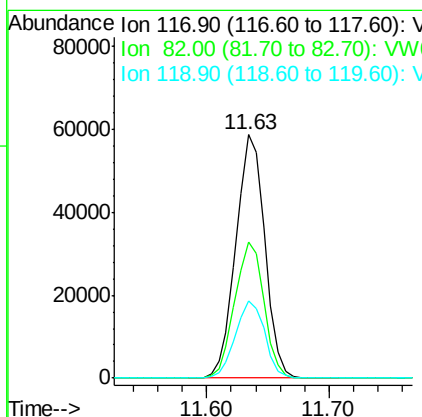
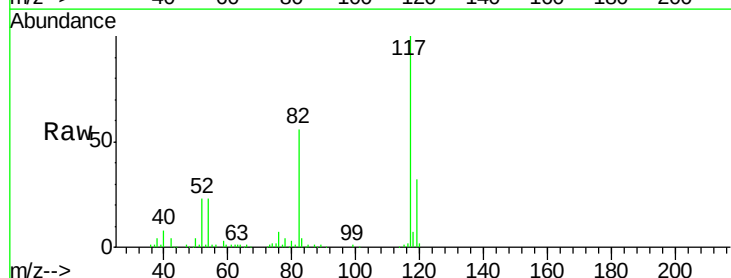
Instrument :  
MSVOA\_W  
ClientSampleId :  
SURCHARGE-SP-11

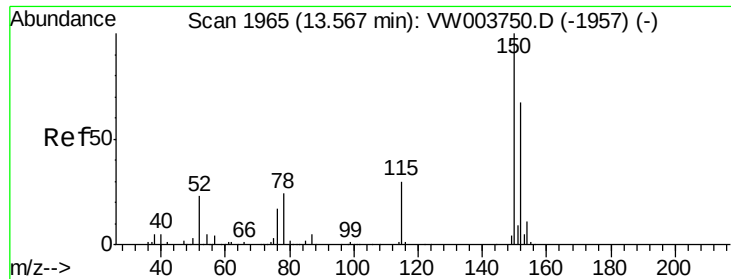
Tot Ion: 95 Resp: 23539  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 163.4  
176 80.1 0.0 156.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1648  
Delta R.T. -0.00 min  
Lab File: VW003807.D  
Acq: 10 Jul 2018 05:51

Tgt Ion: 117 Resp: 96249  
Ion Ratio Lower Upper  
117 100  
82 56.0 46.9 70.3  
119 31.7 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: VW003807.D

Acq: 10 Jul 2018 05:51

Instrument :

MSVOA\_W

ClientSampleId :

SURCHARGE-SP-11

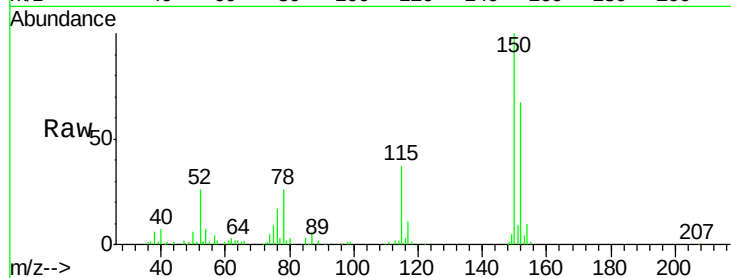
Tot Ion:152 Resp: 19455

Ion Ratio Lower Upper

152 100

115 56.1 28.9 86.8

150 149.1 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

