

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011519\  
 Data File : VW008279.D  
 Acq On : 15 Jan 2019 12:49  
 Operator : SY/VA  
 Sample : VW0115SBL01  
 Misc : 5.00G/5ML/MSVOA W/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VW0115SBL01

Quant Time: Jan 16 01:09:07 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 09 04:40:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.95  | 168  | 75172    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.84  | 114  | 142055   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.63 | 117  | 130580   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 59495    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.30   | 65  | 46385    | 54.90 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.80% |      |
| 35) Dibromofluoromethane    | 7.88   | 113 | 43495    | 52.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.00% |      |
| 50) Toluene-d8              | 10.32  | 98  | 181142   | 52.10 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.20% |      |
| 62) 4-Bromofluorobenzene    | 12.62  | 95  | 60239    | 48.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.66%  |      |

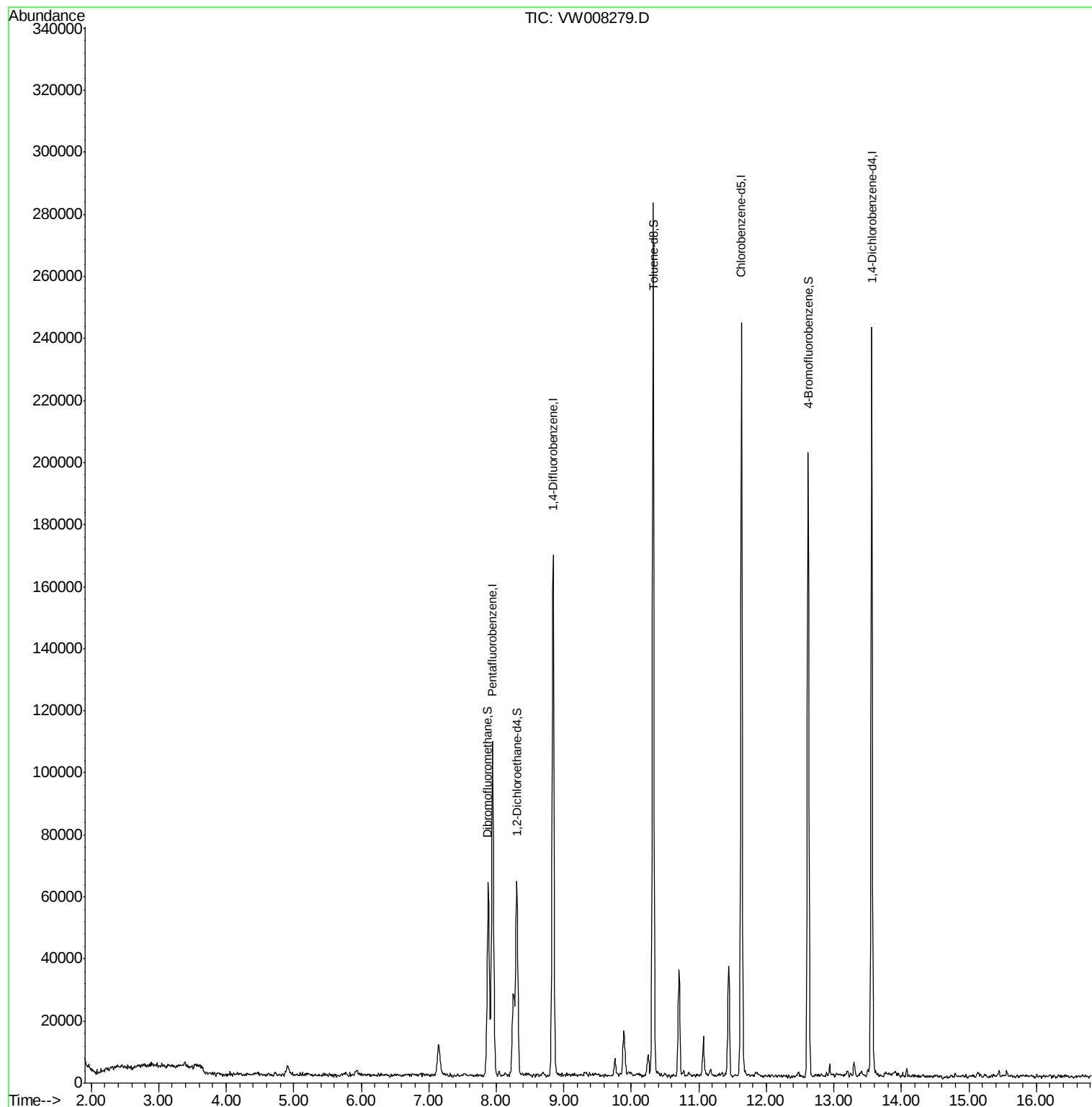
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

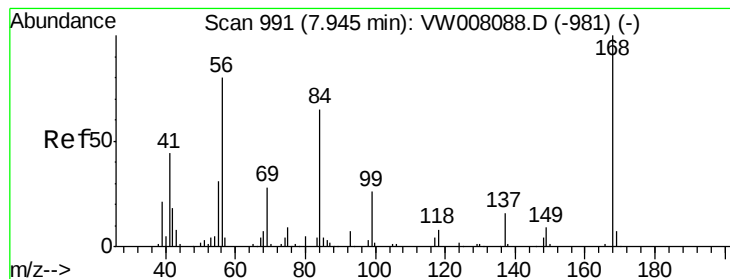
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
VW0115SBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\82W010819S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jan 09 04:40:48 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008279.D

Acq: 15 Jan 2019 12:49

Instrument :

MSVOA\_W

ClientSampleId :

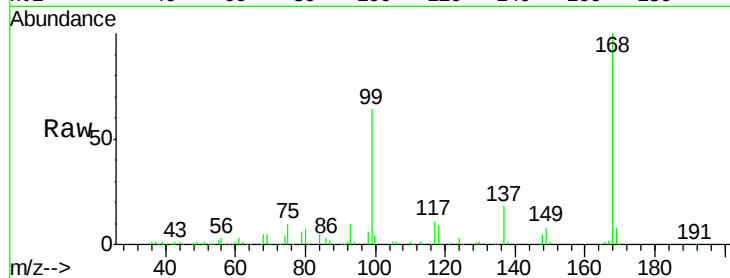
VW0115SBL01

Tot Ion:168 Resp: 75172

Ion Ratio Lower Upper

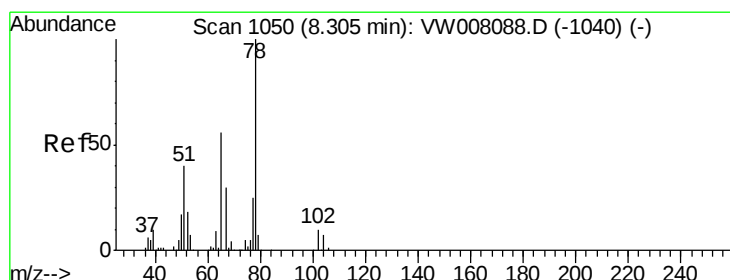
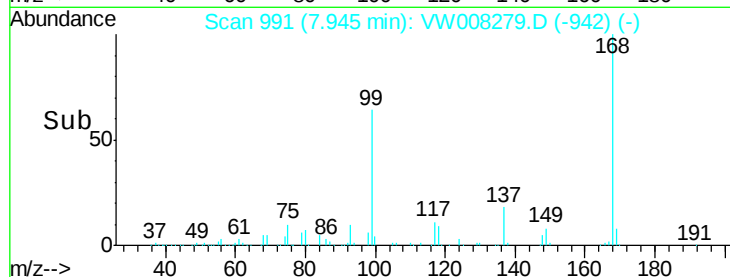
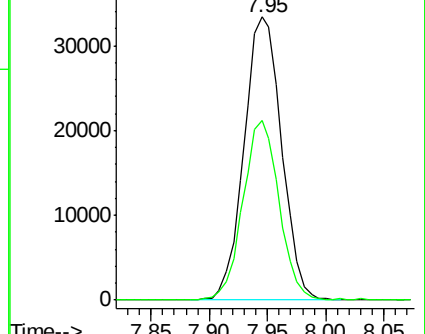
168 100

99 63.5 52.6 78.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#33

1,2-Dichloroethane-d4

Concen: 54.902 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008279.D

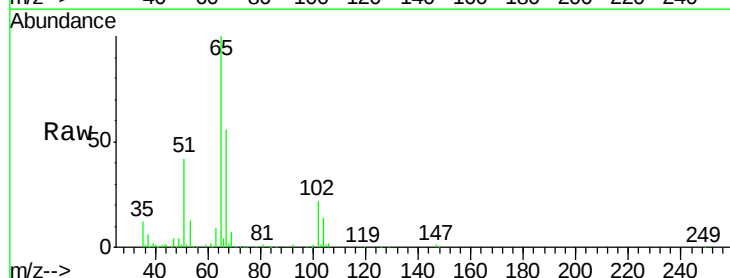
Acq: 15 Jan 2019 12:49

Tgt Ion: 65 Resp: 46385

Ion Ratio Lower Upper

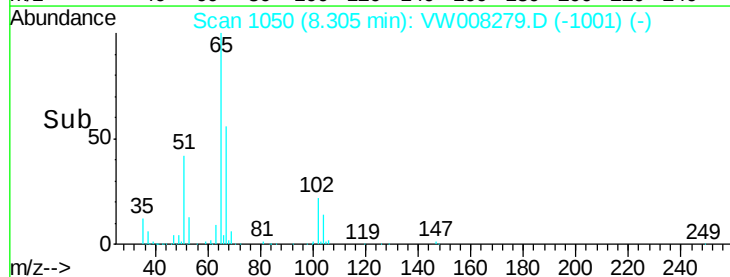
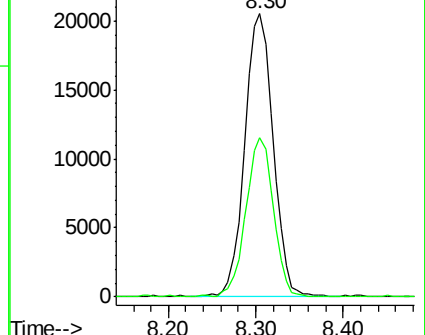
65 100

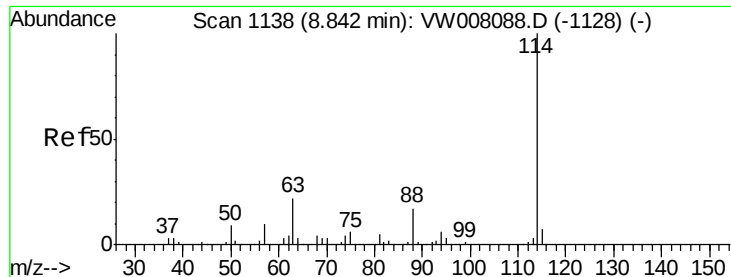
67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

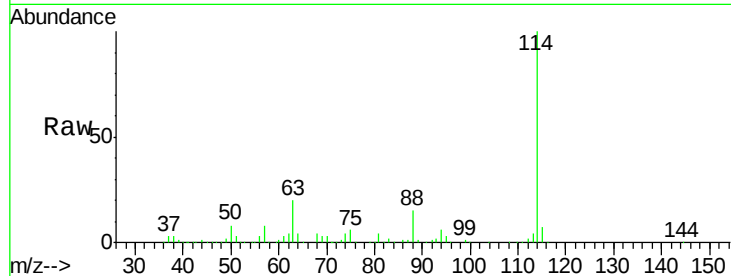




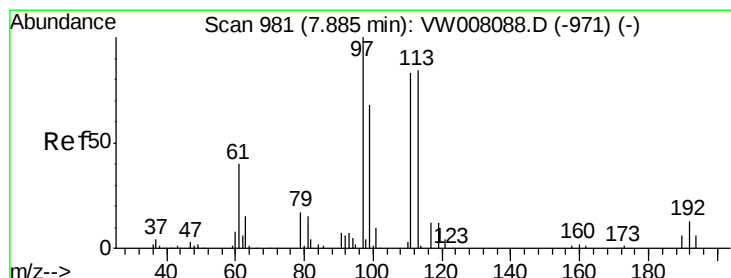
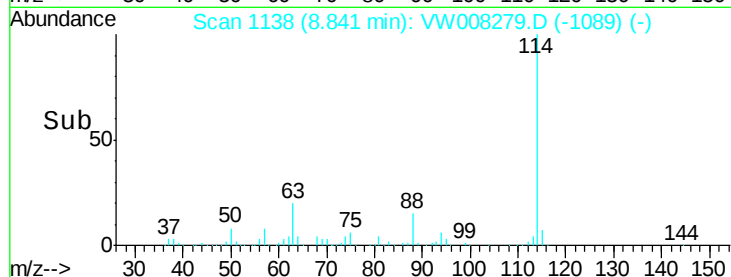
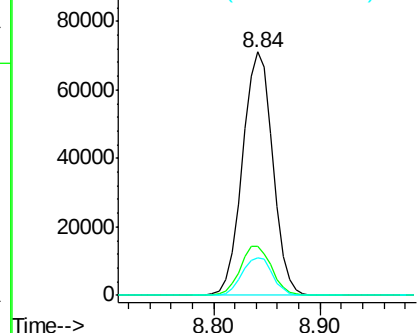
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.84 min Scan# 1138  
Delta R.T. -0.00 min  
Lab File: VW008279.D  
Acq: 15 Jan 2019 12:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0115SBL01

Tot Ion:114 Resp: 142055  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 43.4  
88 15.3 0.0 33.4

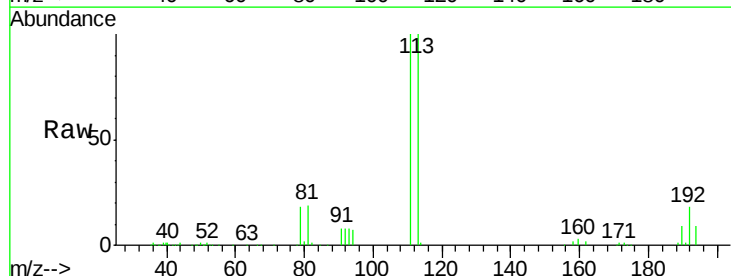


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VW  
Ion 87.90 (87.60 to 88.60): VW

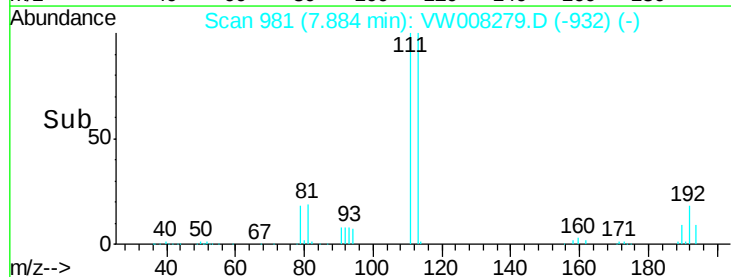
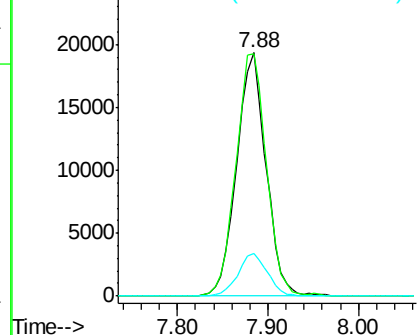


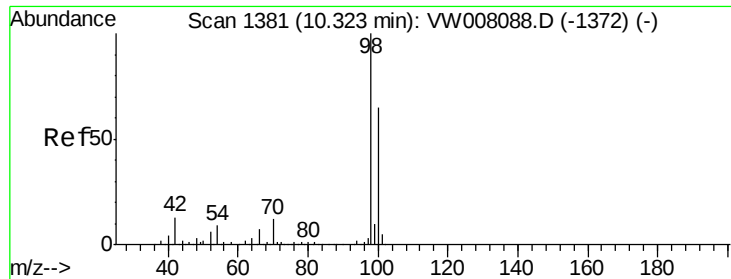
#35  
Dibromofluoromethane  
Concen: 52.497 ug/l  
RT: 7.88 min Scan# 981  
Delta R.T. -0.00 min  
Lab File: VW008279.D  
Acq: 15 Jan 2019 12:49

Tgt Ion:113 Resp: 43495  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.8 122.8  
192 17.6 12.8 19.2



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: 52.100 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008279.D

Acq: 15 Jan 2019 12:49

Instrument :

MSVOA\_W

ClientSampleId :

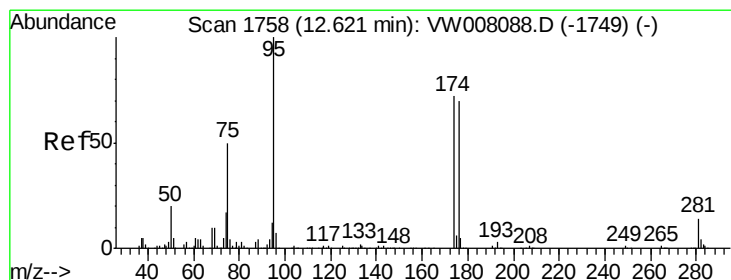
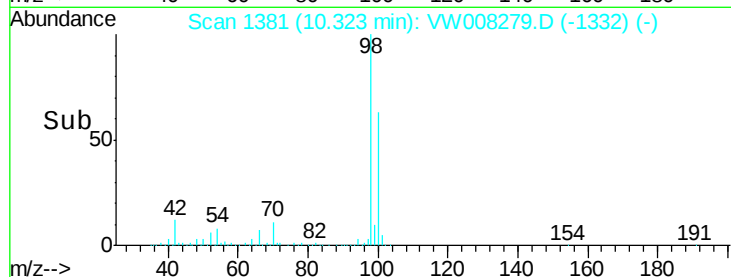
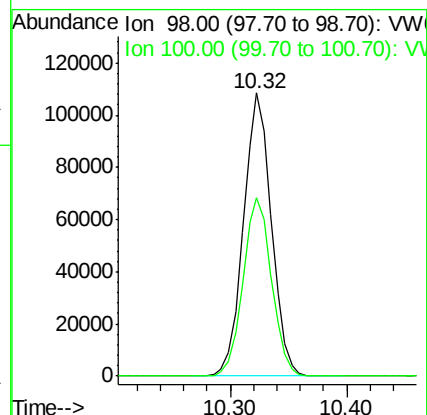
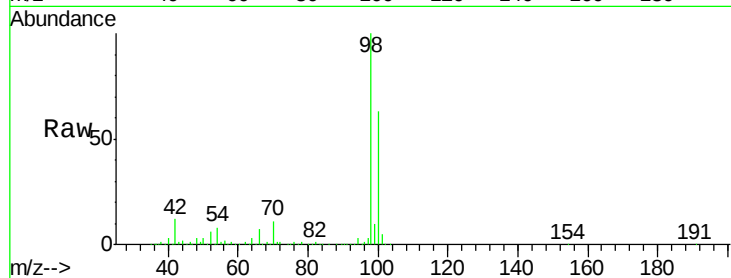
VW0115SBL01

Tot Ion: 98 Resp: 181142

Ion Ratio Lower Upper

98 100

100 64.2 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 48.330 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008279.D

Acq: 15 Jan 2019 12:49

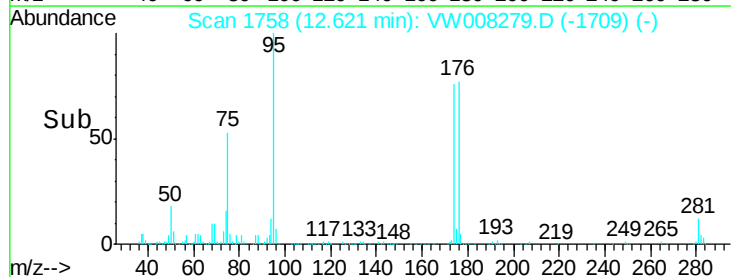
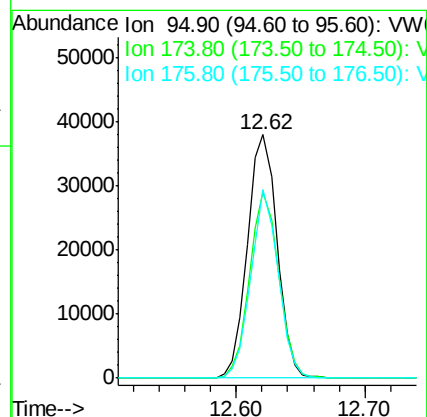
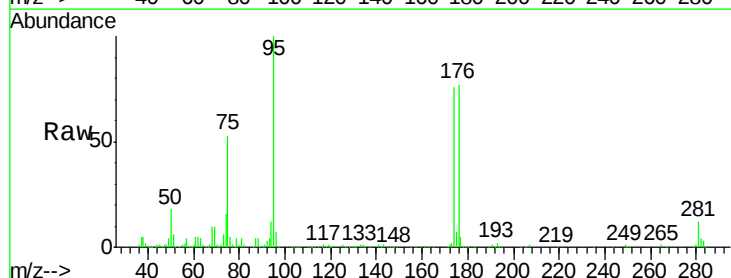
Tgt Ion: 95 Resp: 60239

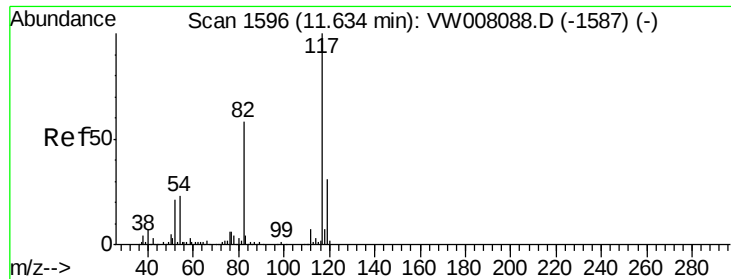
Ion Ratio Lower Upper

95 100

174 75.0 0.0 143.0

176 71.6 0.0 140.2

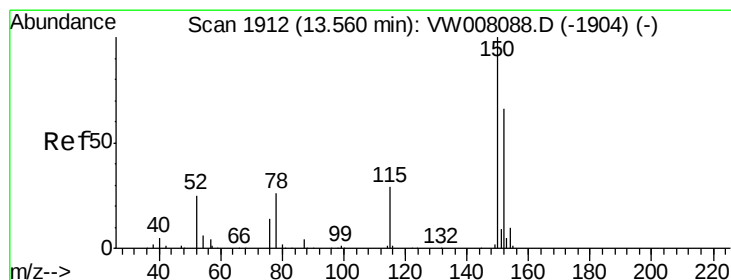
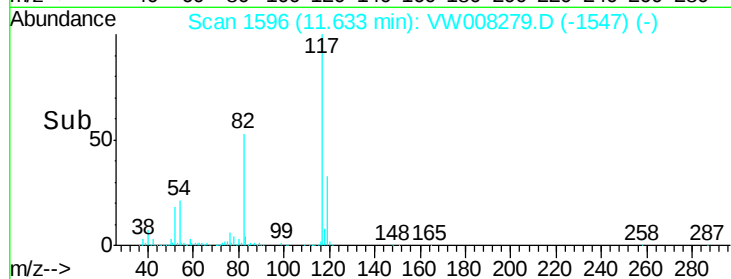
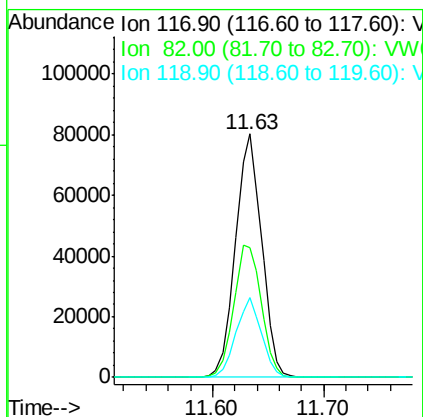
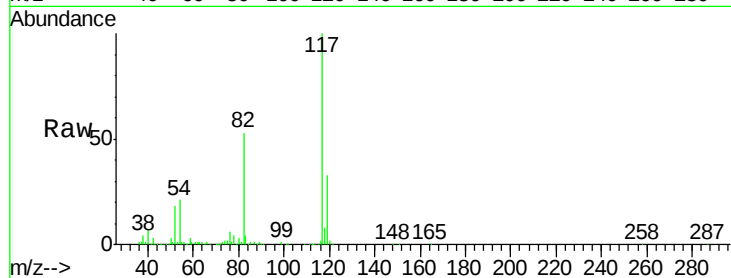




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.63 min Scan# 1596  
Delta R.T. -0.00 min  
Lab File: VW008279.D  
Acq: 15 Jan 2019 12:49

Instrument :  
MSVOA\_W  
ClientSampleId :  
VW0115SBL01

Tot Ion:117 Resp: 130580  
Ion Ratio Lower Upper  
117 100  
82 53.4 46.4 69.6  
119 32.6 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.56 min Scan# 1912  
Delta R.T. -0.00 min  
Lab File: VW008279.D  
Acq: 15 Jan 2019 12:49

Tgt Ion:152 Resp: 59495  
Ion Ratio Lower Upper  
152 100  
115 60.5 30.8 92.4  
150 154.7 0.0 350.2

