

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\  
 Data File : VX000951.D  
 Acq On : 17 Apr 2018 05:50  
 Operator : JC/MD  
 Sample : J2349-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012RW035-180409

Quant Time: Apr 17 08:03:06 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 266252   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 371570   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 347744   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 229133   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 165221   | 49.21 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.42% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 128832   | 45.00 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.00% |          |
| 50) Toluene-d8              | 8.73  | 98   | 515643   | 48.38 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.76% |          |
| 62) 4-Bromofluorobenzene    | 11.15 | 95   | 203947   | 46.25 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.50% |          |

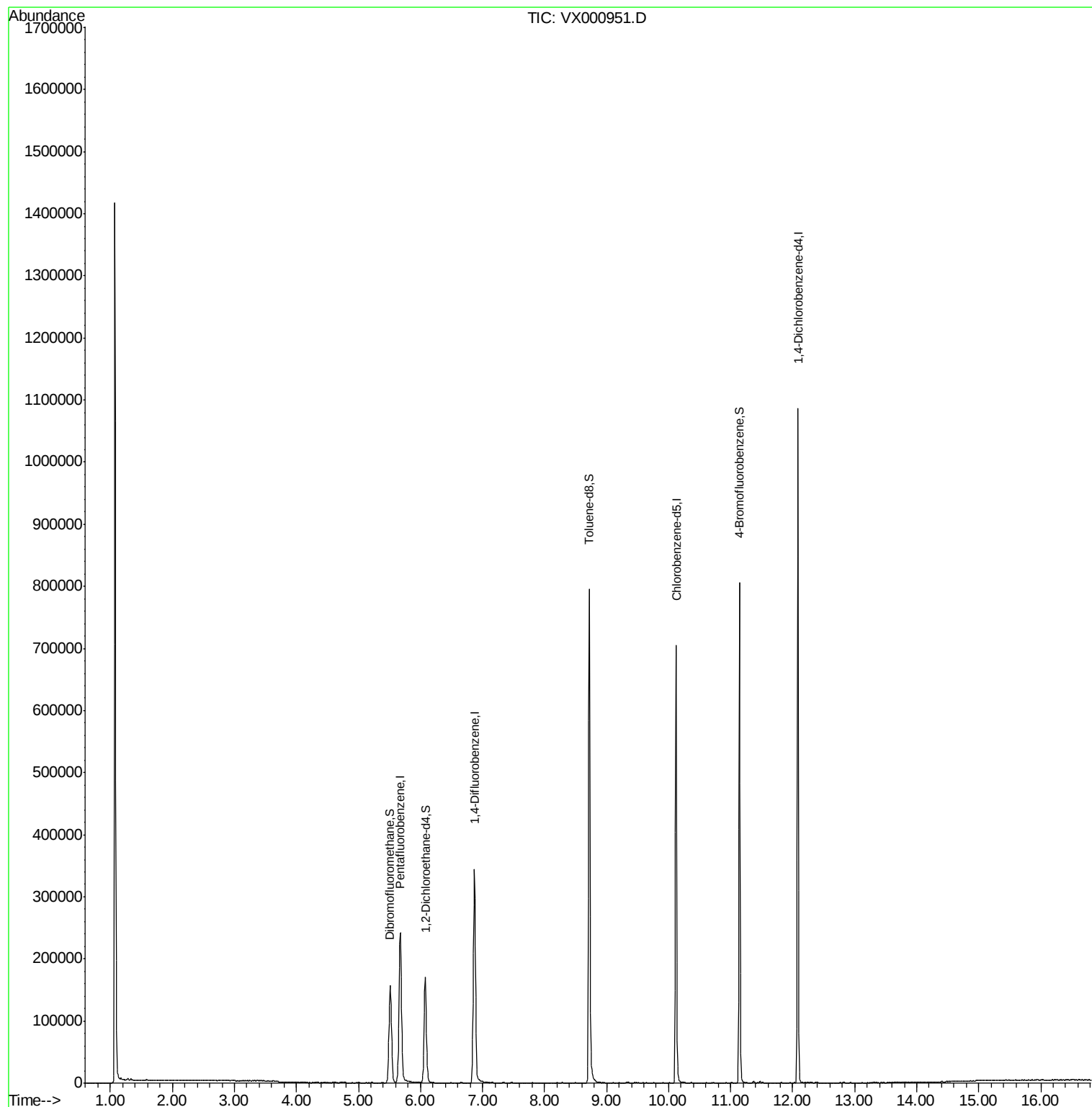
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

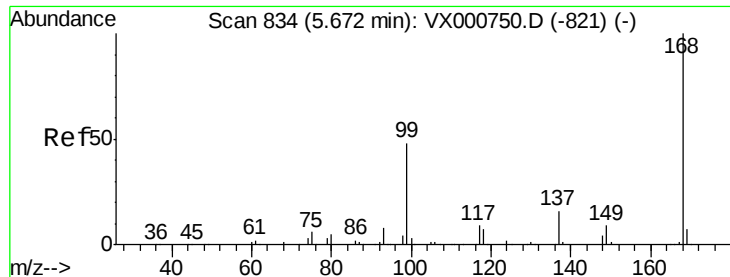
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 10 15:49:28 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA\_X

ClientSampleId :

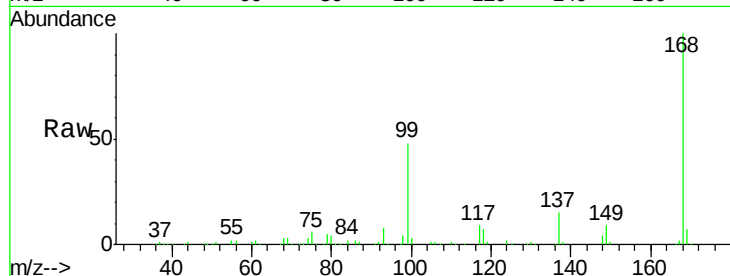
LF012RW035-180409

Tot Ion:168 Resp: 266252

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

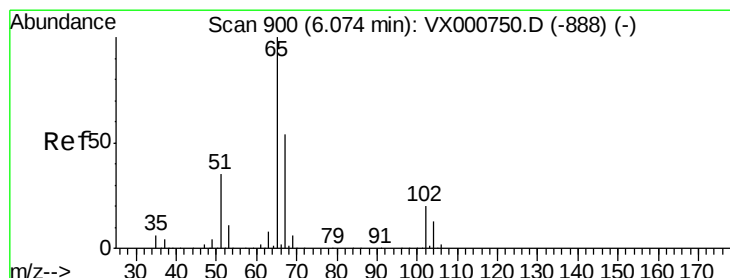
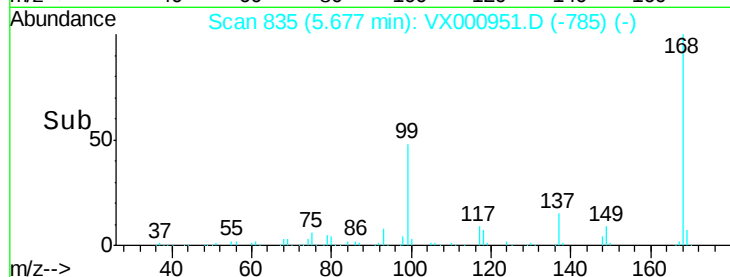
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.21 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000951.D

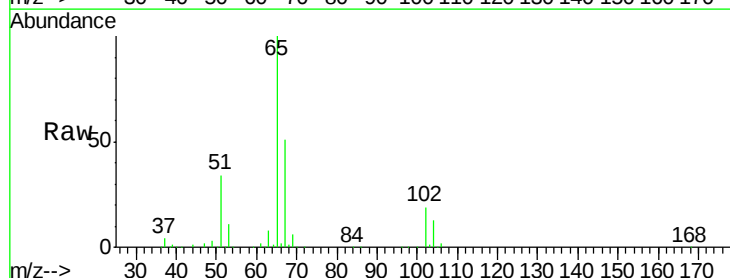
Acq: 17 Apr 2018 05:50

Tgt Ion: 65 Resp: 165221

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

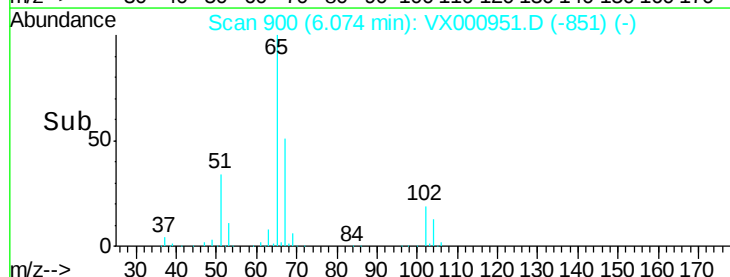
60000

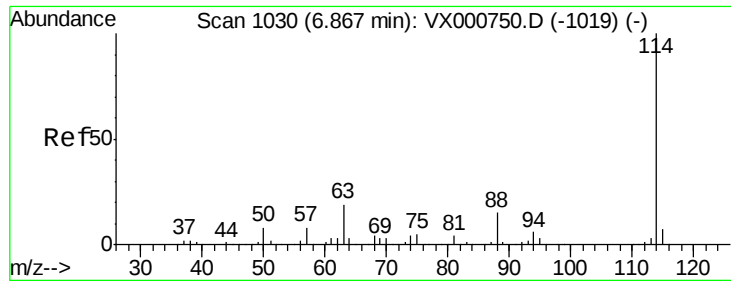
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA\_X

ClientSampleId :

LF012RW035-180409

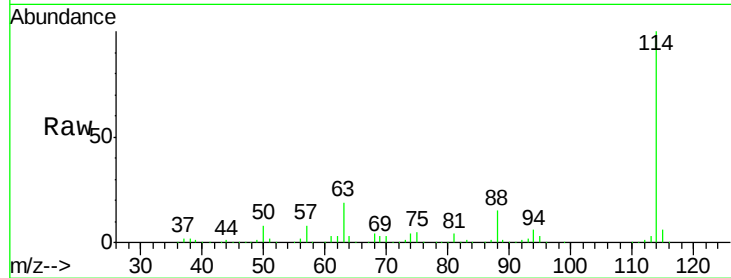
Tot Ion:114 Resp: 371570

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

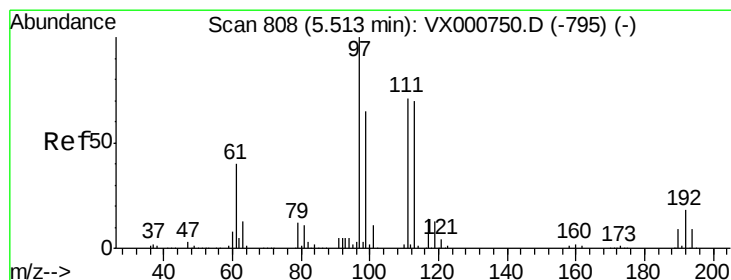
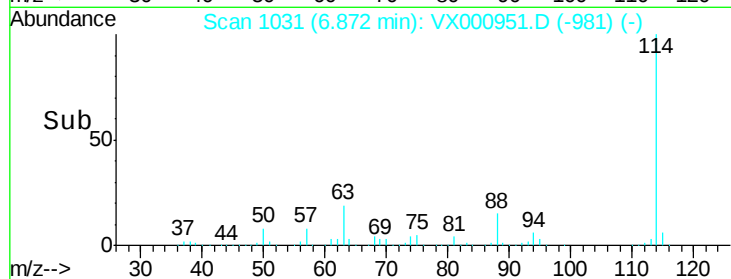
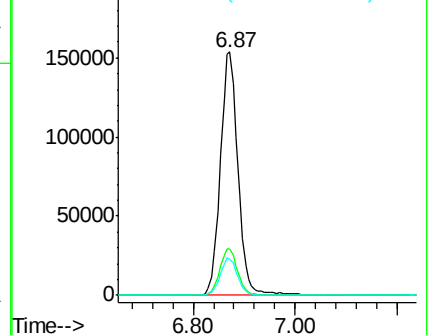
88 14.9 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

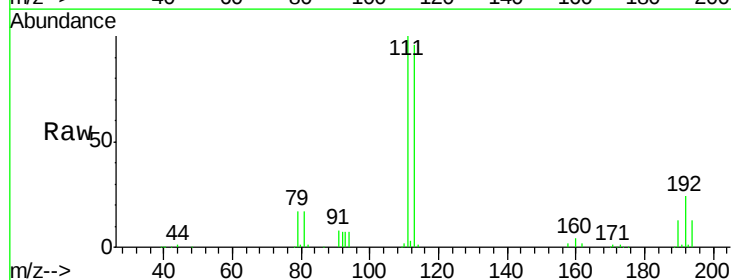
Tgt Ion:113 Resp: 128832

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

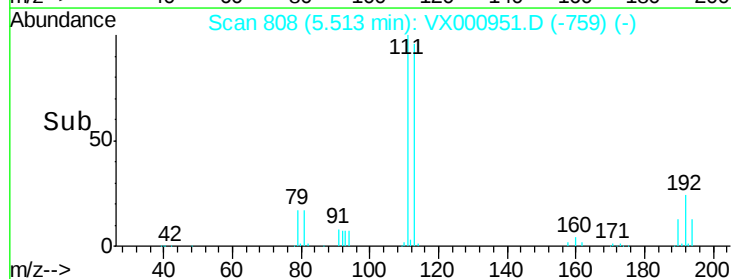
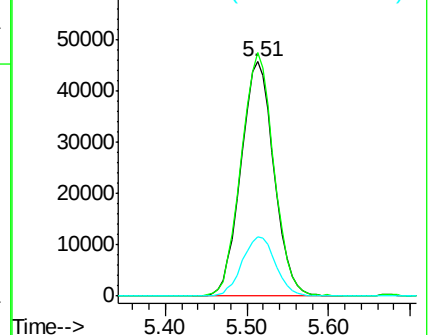
192 25.6 20.4 30.6

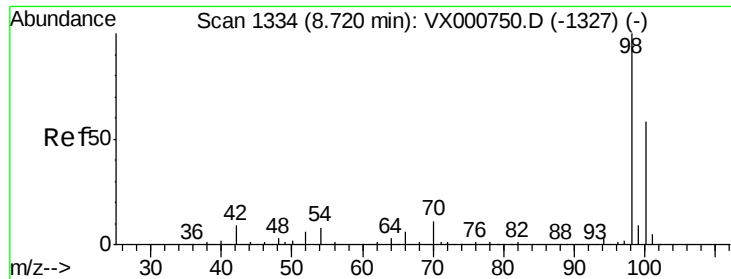


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.38 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA\_X

ClientSampleId :

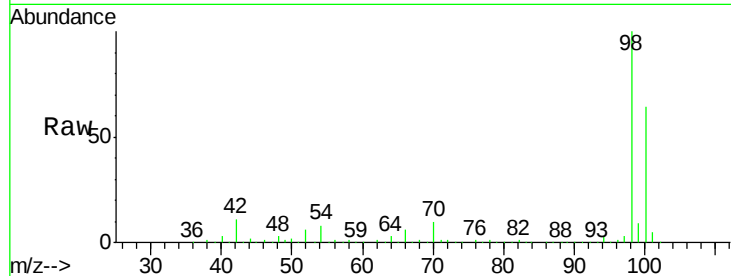
LF012RW035-180409

Tot Ion: 98 Resp: 515643

Ion Ratio Lower Upper

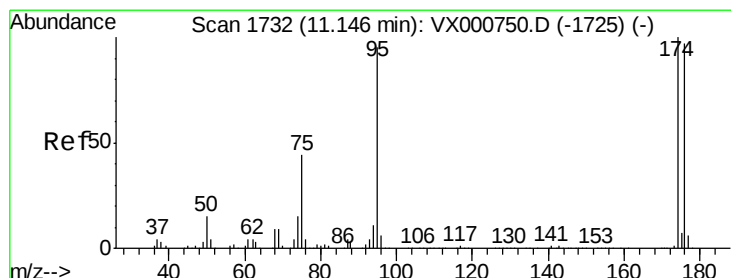
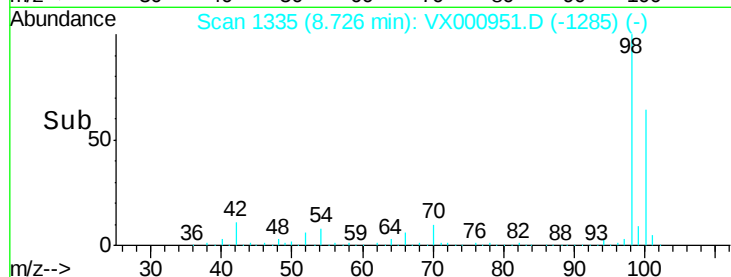
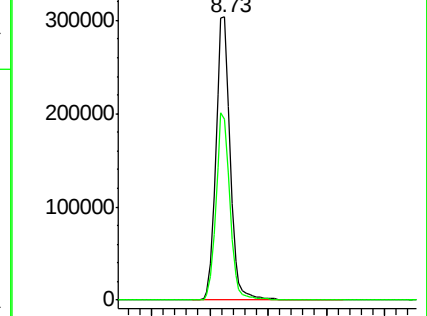
98 100

100 64.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.25 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

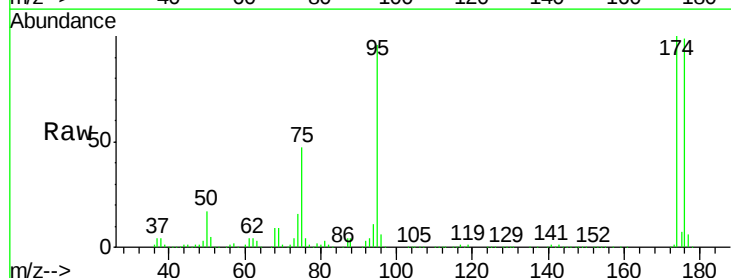
Tgt Ion: 95 Resp: 203947

Ion Ratio Lower Upper

95 100

174 97.4 0.0 198.4

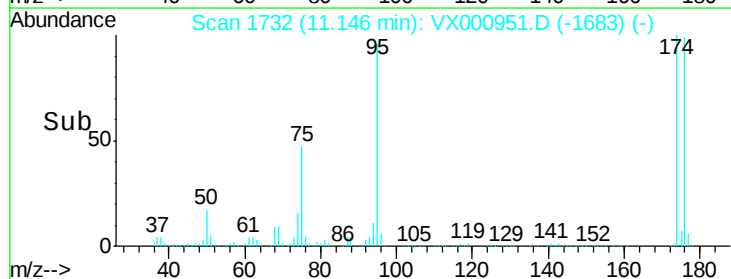
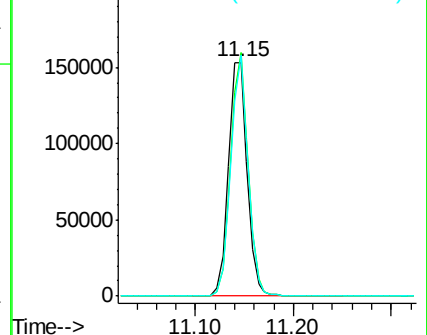
176 95.2 0.0 194.4

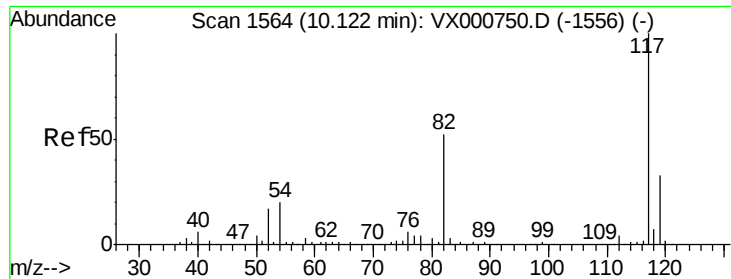


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

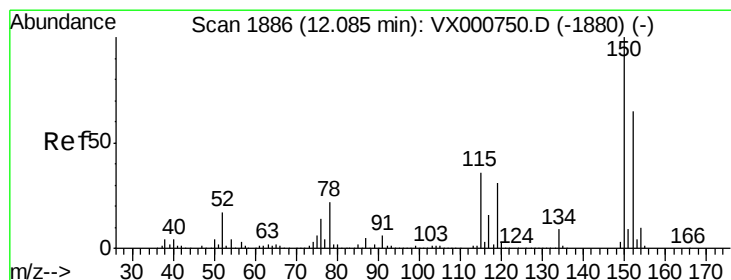
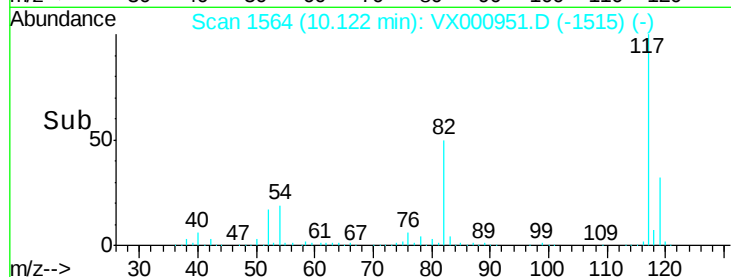
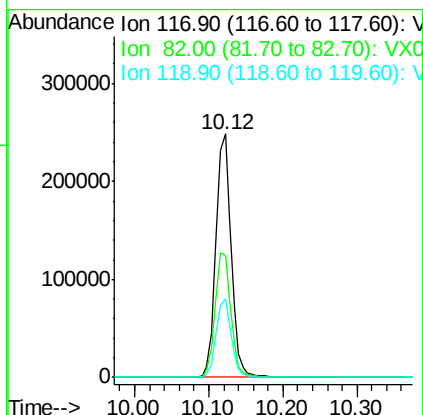
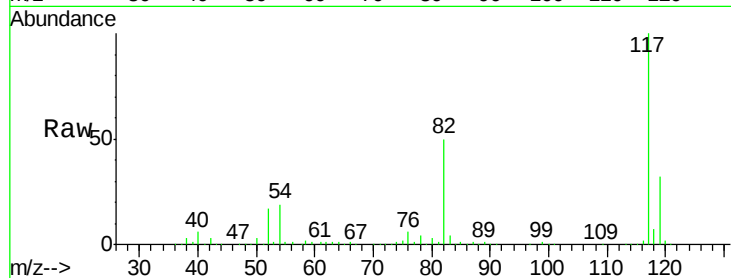




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000951.D  
Acq: 17 Apr 2018 05:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
LF012RW035-180409

Tot Ion:117 Resp: 347744  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.9 62.9  
119 32.1 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.08 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000951.D  
Acq: 17 Apr 2018 05:50

Tgt Ion:152 Resp: 229133  
Ion Ratio Lower Upper  
152 100  
115 53.9 37.9 113.7  
150 156.8 0.0 348.0

