

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032118\  
 Data File : VX000381.D  
 Acq On : 21 Mar 2018 13:30  
 Operator : JC/MD  
 Sample : J1995-04 5X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PIT-A-0-5

Quant Time: Mar 22 08:40:29 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 108897   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 188687   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 178873   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 85894    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65  | 75826    | 53.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.68% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 59364    | 49.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.86%  |      |
| 50) Toluene-d8              | 8.73   | 98  | 235362   | 47.80 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.60%  |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 78784    | 39.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 78.72%  |      |

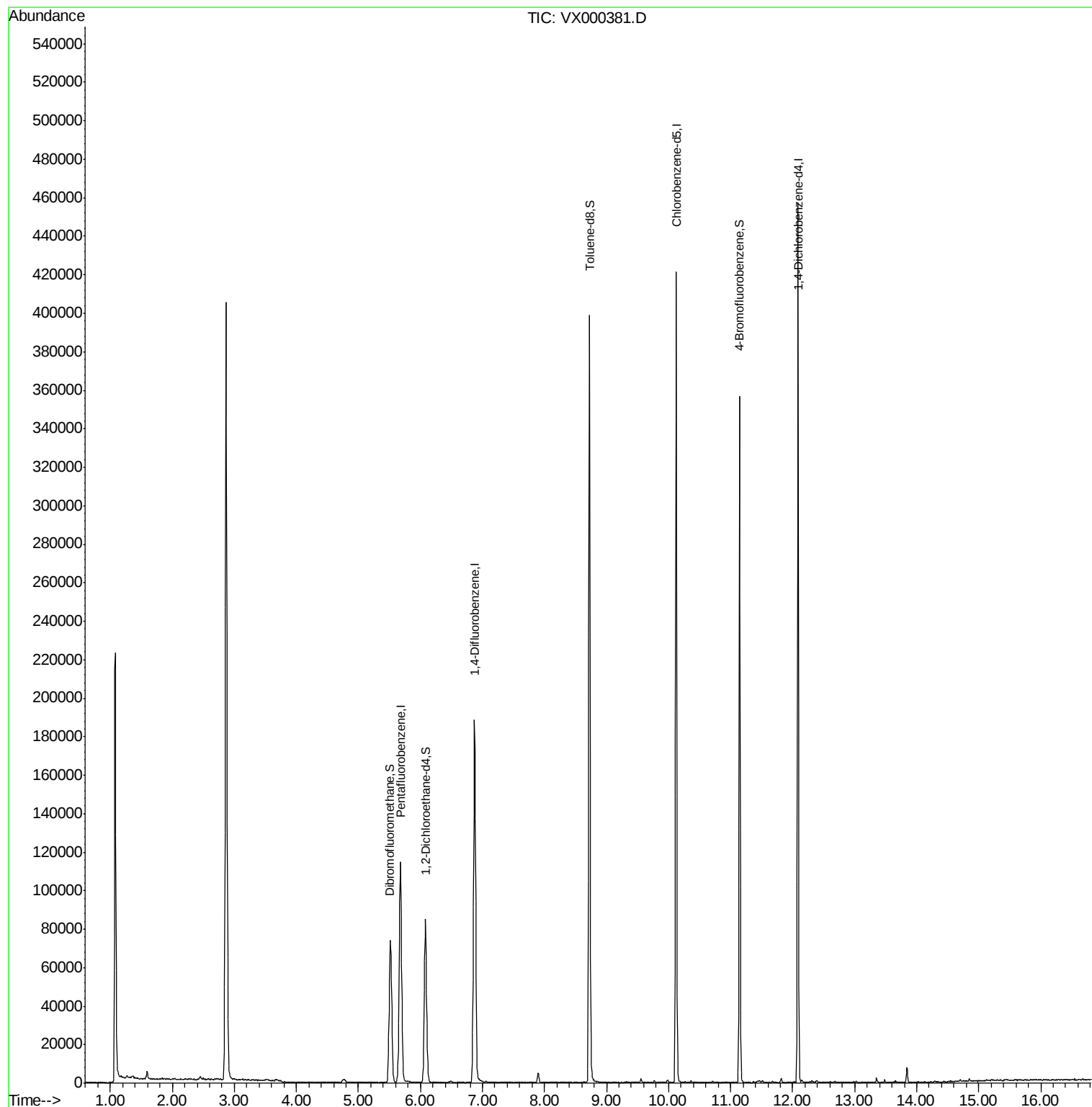
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

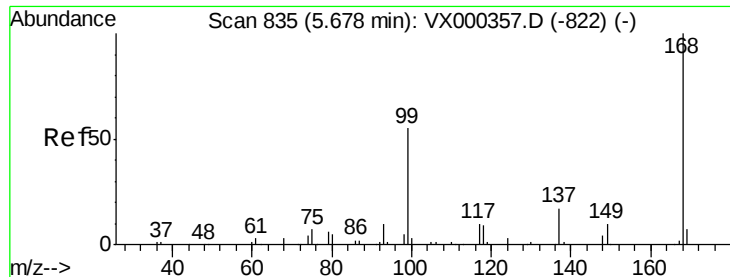
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA\_X

ClientSampleId :

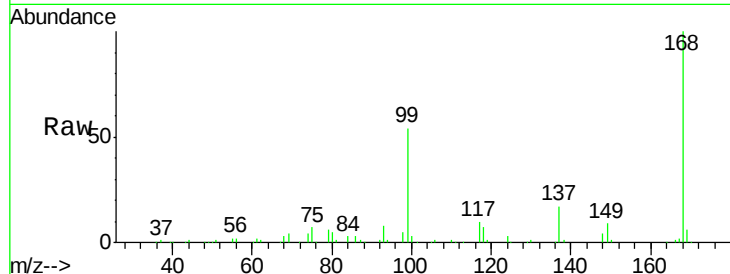
PIT-A-0-5

Tot Ion:168 Resp: 108897

Ion Ratio Lower Upper

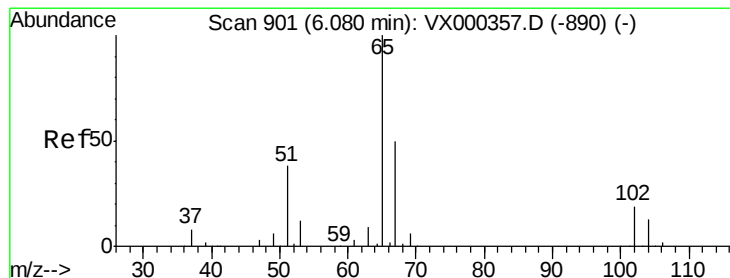
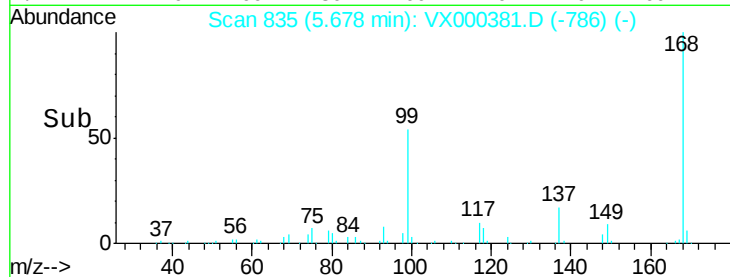
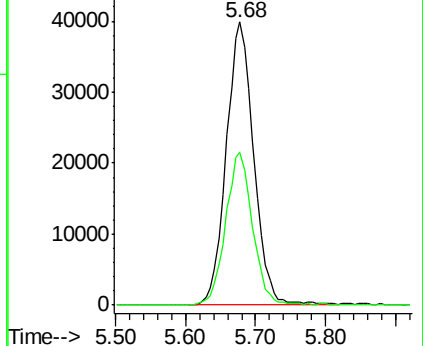
168 100

99 54.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.34 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000381.D

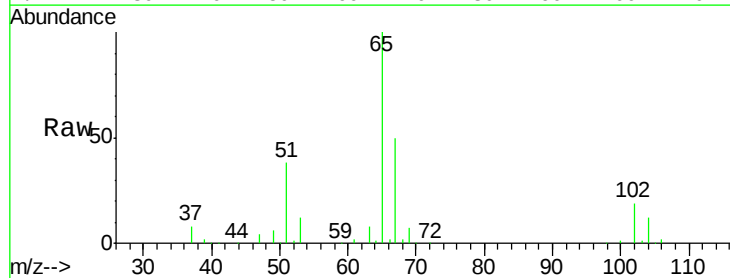
Acq: 21 Mar 2018 13:30

Tgt Ion: 65 Resp: 75826

Ion Ratio Lower Upper

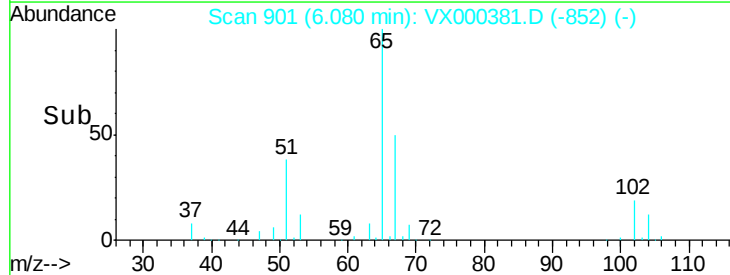
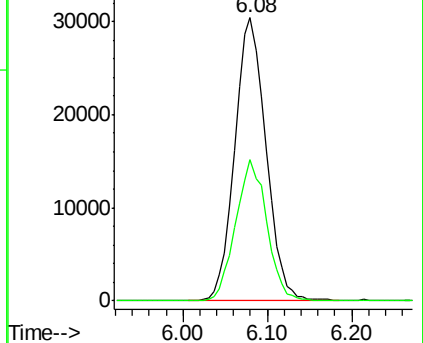
65 100

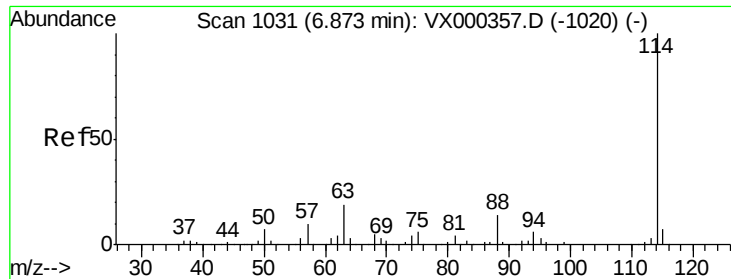
67 49.9 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA\_X

ClientSampleId :

PIT-A-0-5

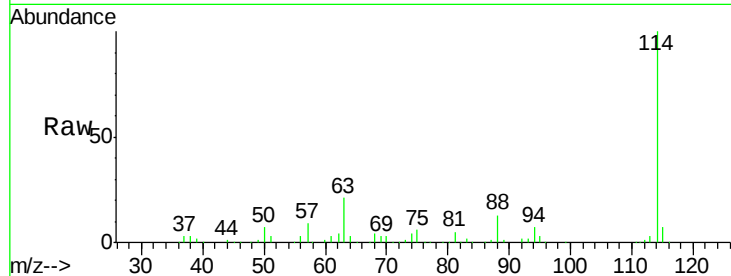
Tot Ion:114 Resp: 188687

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.4

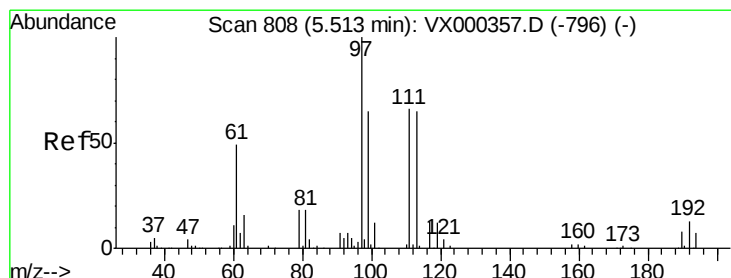
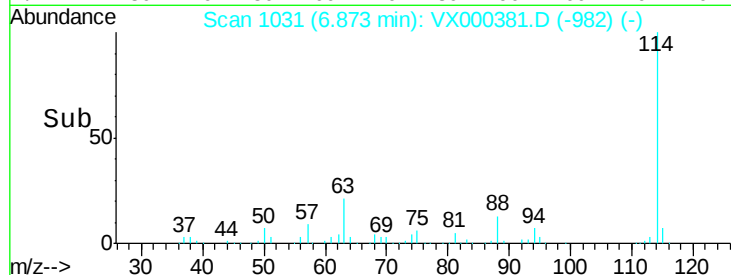
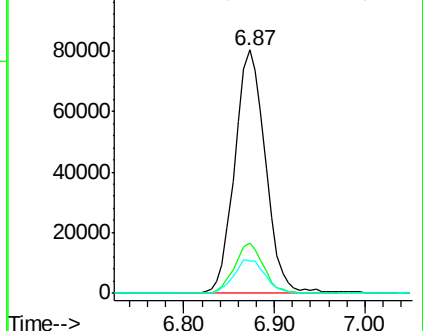
88 13.4 0.0 27.0



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: 49.93 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

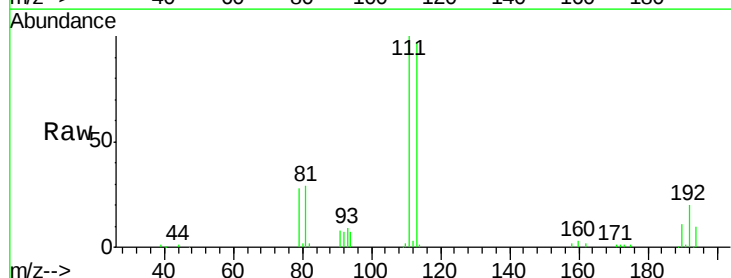
Tgt Ion:113 Resp: 59364

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

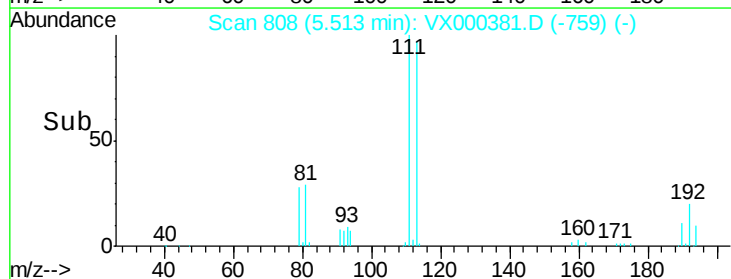
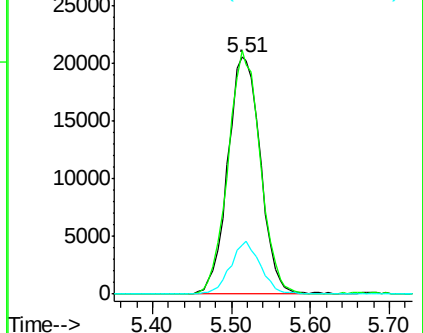
192 20.4 15.8 23.6

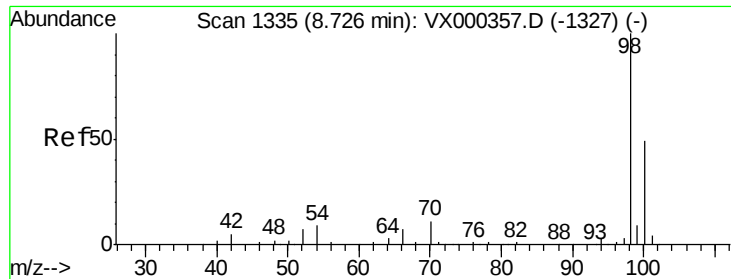


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.80 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

Instrument :

MSVOA\_X

ClientSampleId :

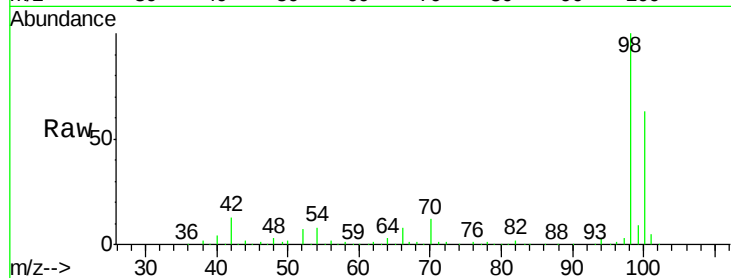
PIT-A-0-5

Tot Ion: 98 Resp: 235362

Ion Ratio Lower Upper

98 100

100 62.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

150000

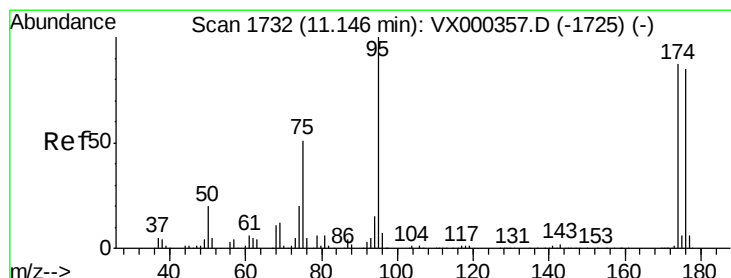
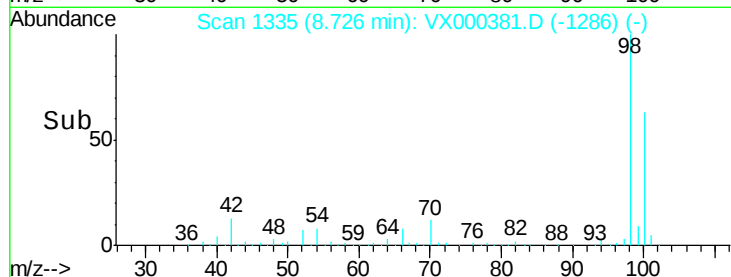
100000

50000

0

8.70 8.73 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 39.36 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000381.D

Acq: 21 Mar 2018 13:30

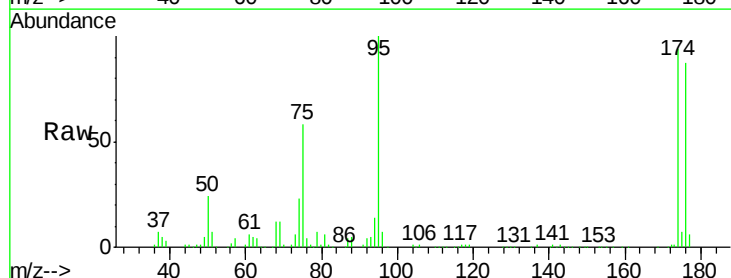
Tgt Ion: 95 Resp: 78784

Ion Ratio Lower Upper

95 100

174 91.5 0.0 173.6

176 86.5 0.0 164.6



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

80000

60000

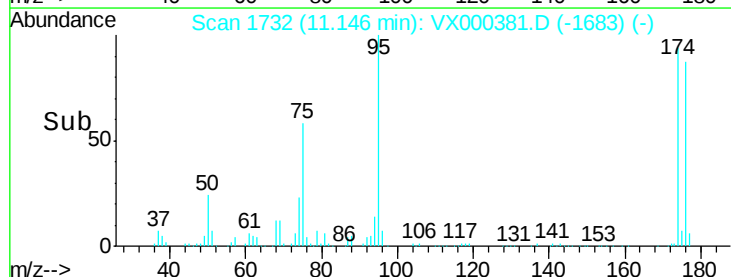
40000

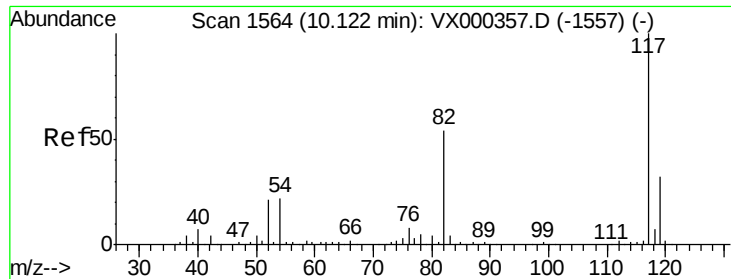
20000

0

11.10 11.15 11.20

Time-->

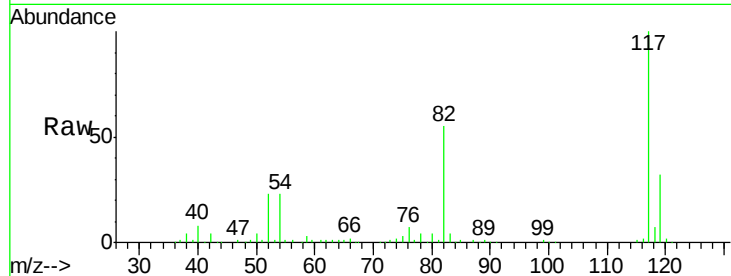




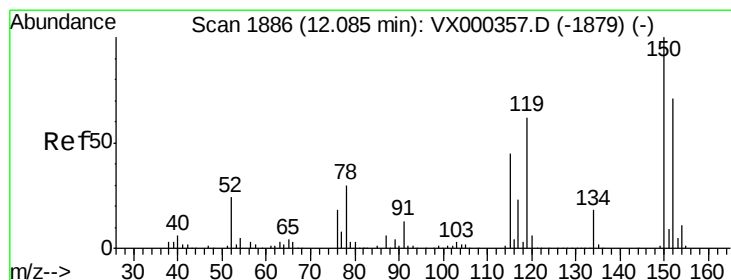
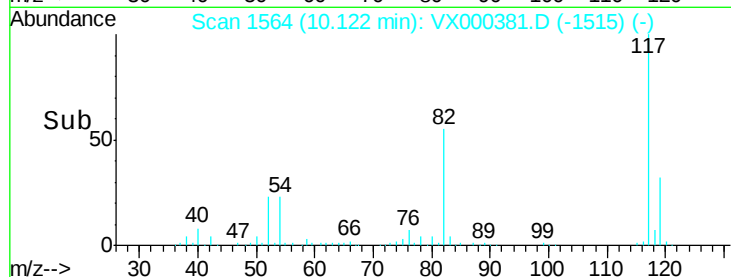
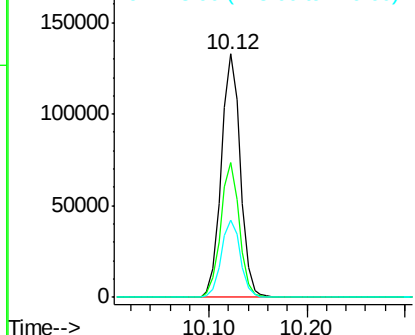
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000381.D  
Acq: 21 Mar 2018 13:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
PIT-A-0-5

Tot Ion:117 Resp: 178873  
Ion Ratio Lower Upper  
117 100  
82 55.4 43.8 65.8  
119 31.6 24.9 37.3

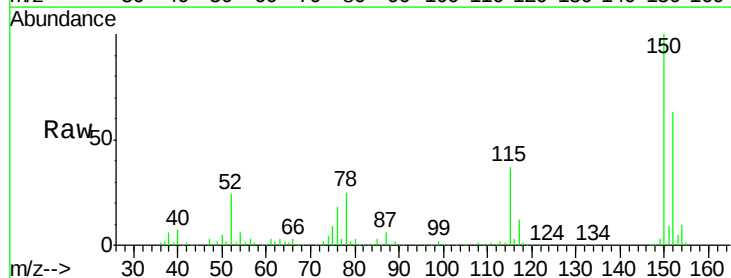


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX000381.D  
Acq: 21 Mar 2018 13:30

Tgt Ion:152 Resp: 85894  
Ion Ratio Lower Upper  
152 100  
115 57.7 39.8 119.3  
150 155.6 0.0 344.4



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

