

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\  
 Data File : VX001729.D  
 Acq On : 15 May 2018 00:30  
 Operator : JC/MD  
 Sample : J2856-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-01

Quant Time: May 16 10:58:34 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 15 01:36:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 281499   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 381499   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 335578   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 191746   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 176532   | 46.79 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.58% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 142961   | 44.40 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.80% |      |
| 50) Toluene-d8              | 8.72   | 98  | 529067   | 45.88 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.76% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 173534   | 41.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.60% |      |

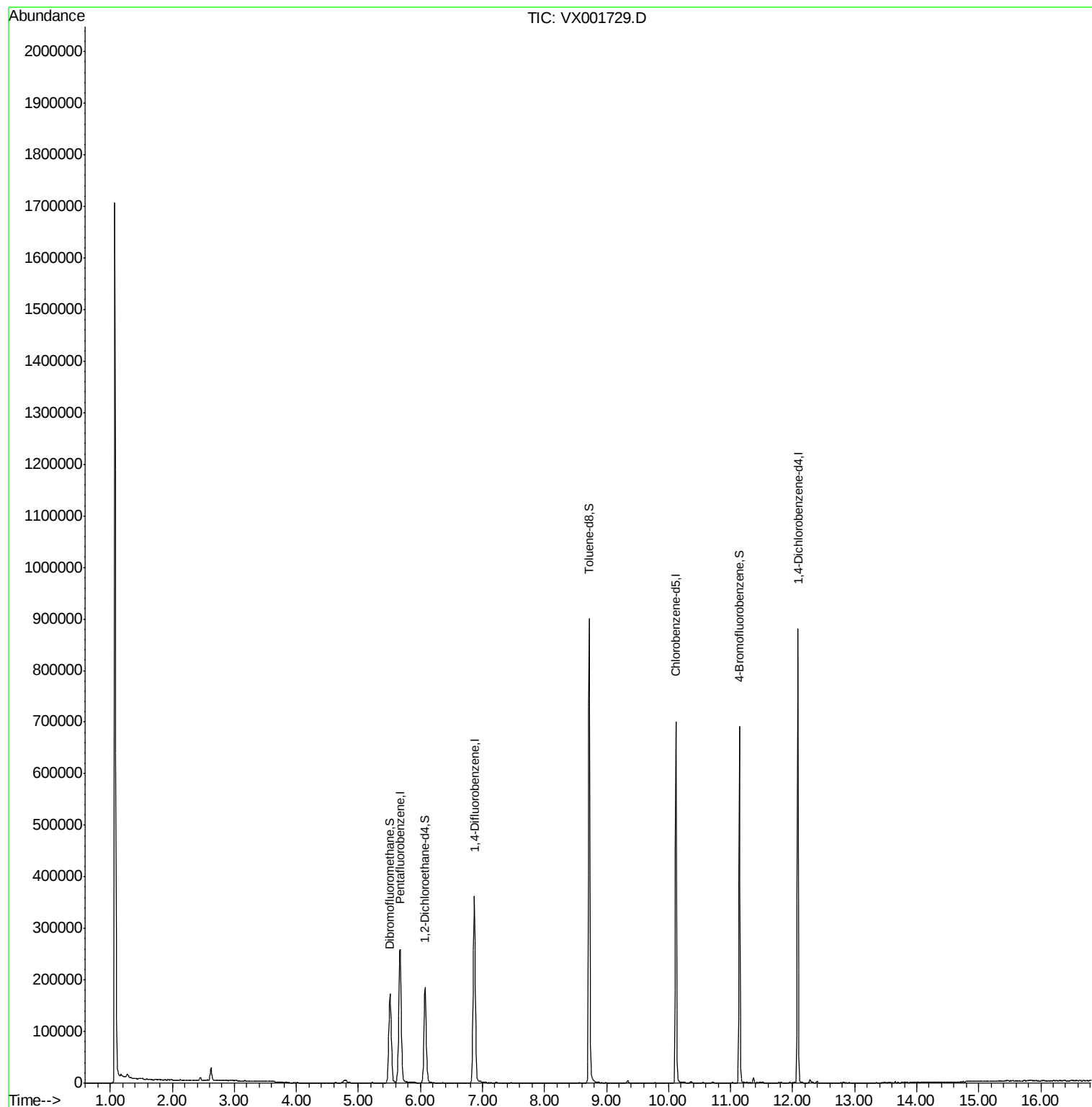
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

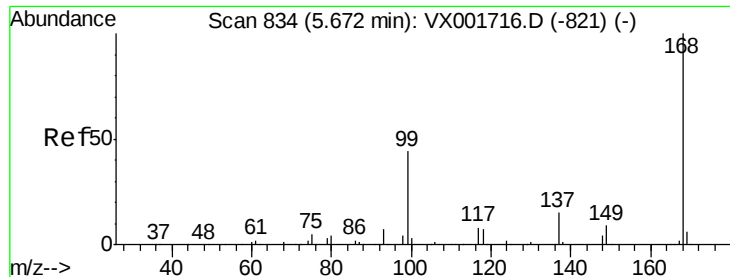
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 15 01:36:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001729.D

Acq: 15 May 2018 00:30

Instrument :

MSVOA\_X

ClientSampleId :

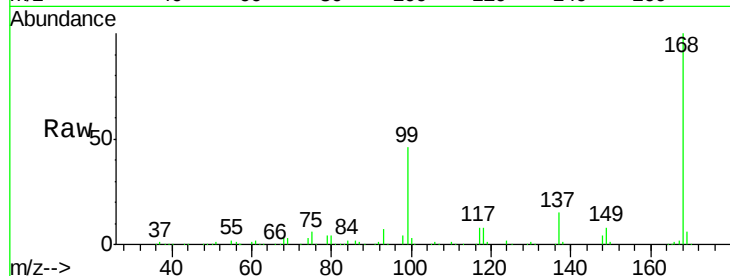
MW-01

Tot Ion:168 Resp: 281499

Ion Ratio Lower Upper

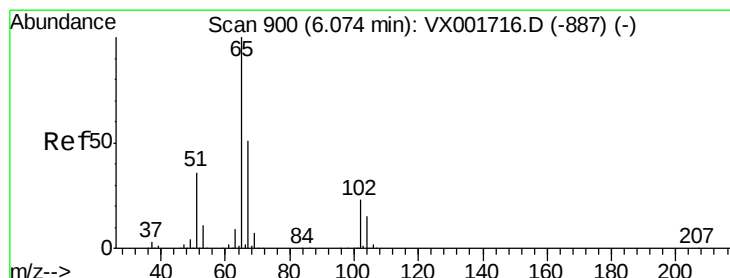
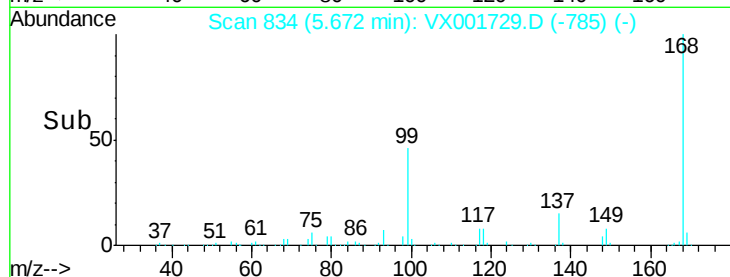
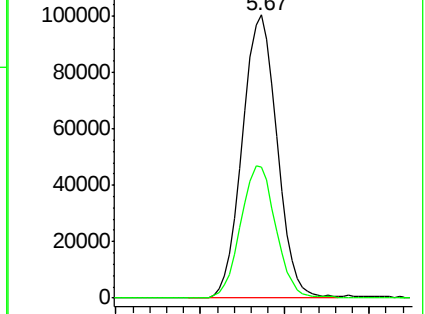
168 100

99 46.3 35.0 52.4



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: 46.79 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX001729.D

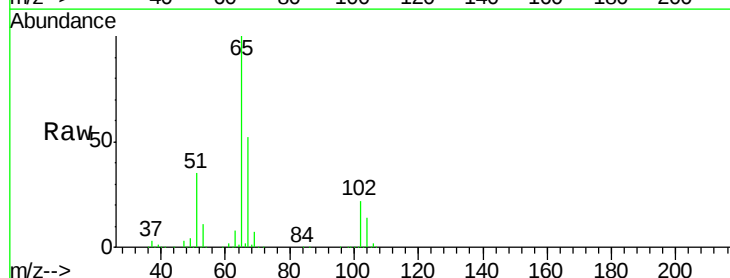
Acq: 15 May 2018 00:30

Tgt Ion: 65 Resp: 176532

Ion Ratio Lower Upper

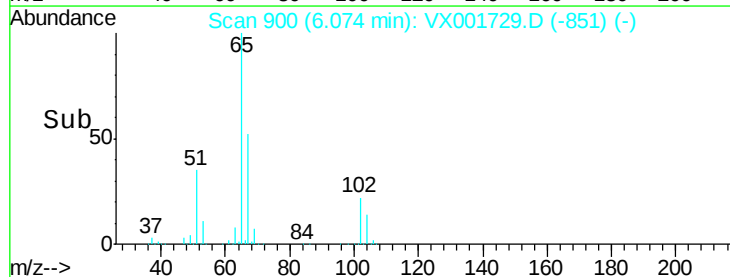
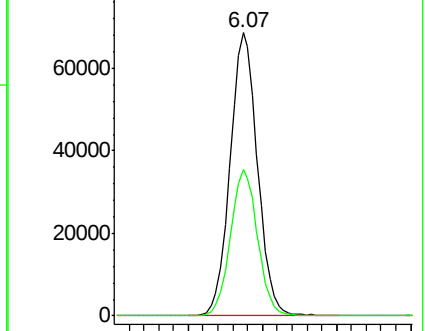
65 100

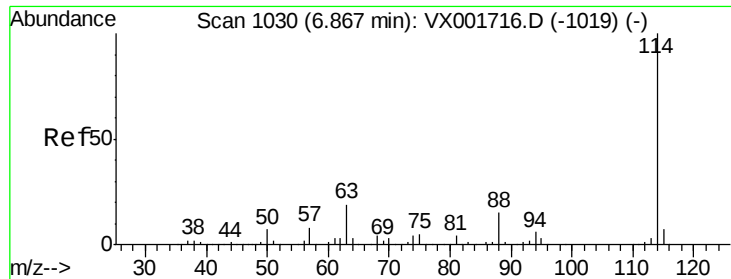
67 51.2 0.0 102.8



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# 1030

Delta R.T. -0.00 min

Lab File: VX001729.D

Acq: 15 May 2018 00:30

Instrument :

MSVOA\_X

ClientSampleId :

MW-01

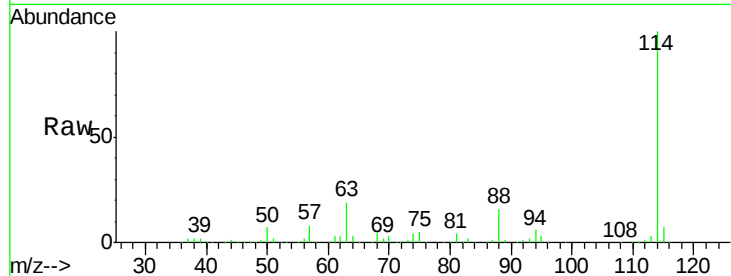
Tot Ion:114 Resp: 381499

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.0

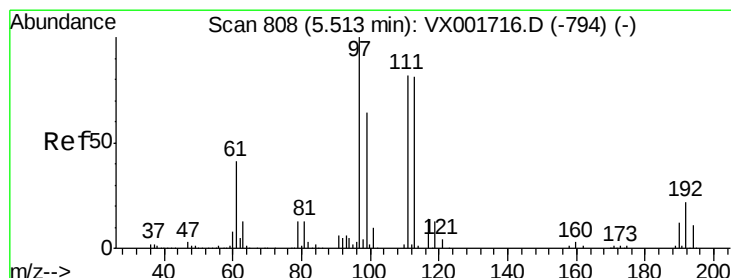
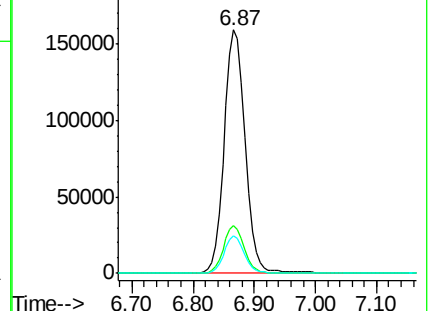
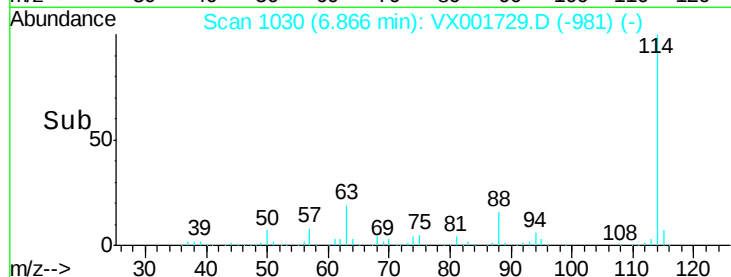
88 15.6 0.0 29.8



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: 44.40 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001729.D

Acq: 15 May 2018 00:30

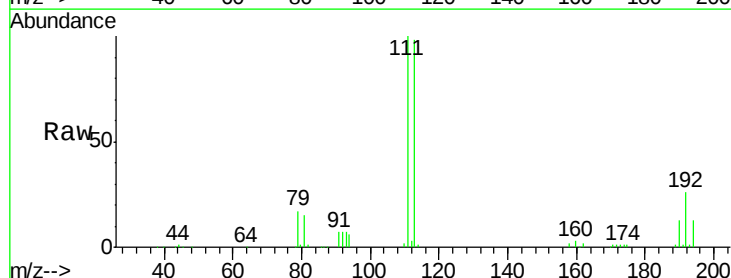
Tgt Ion:113 Resp: 142961

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

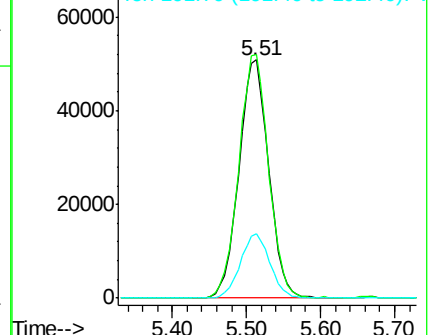
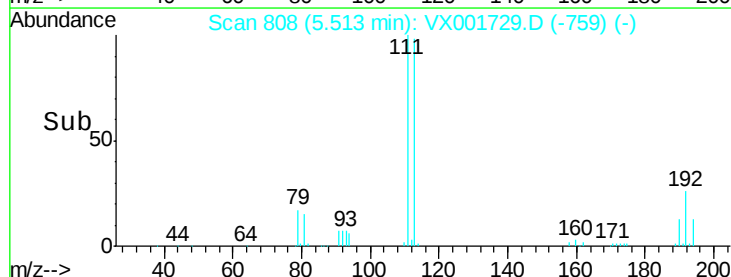
192 26.9 21.6 32.4

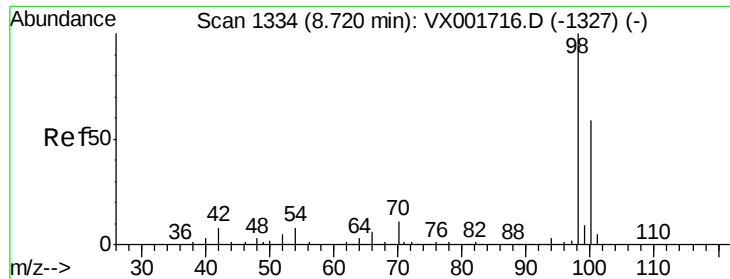


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.88 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001729.D

Acq: 15 May 2018 00:30

Instrument :

MSVOA\_X

ClientSampleId :

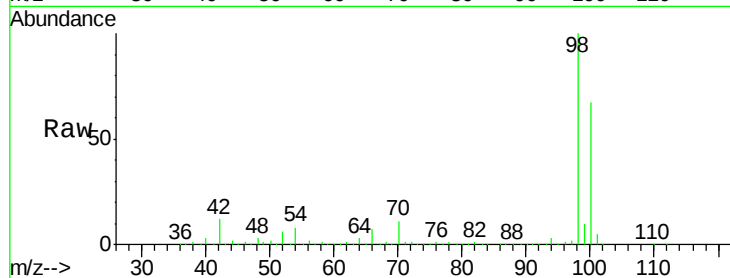
MW-01

Tot Ion: 98 Resp: 529067

Ion Ratio Lower Upper

98 100

100 65.8 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.72

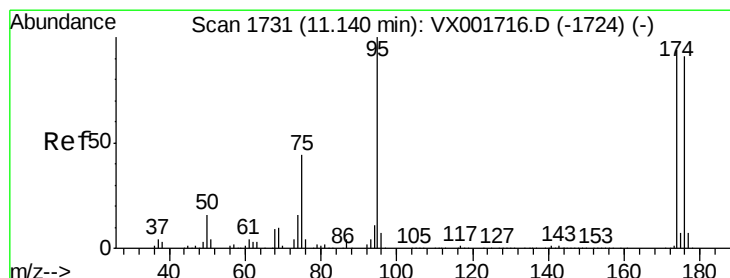
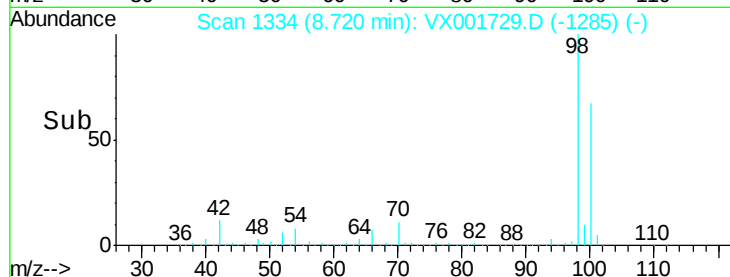
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 41.80 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001729.D

Acq: 15 May 2018 00:30

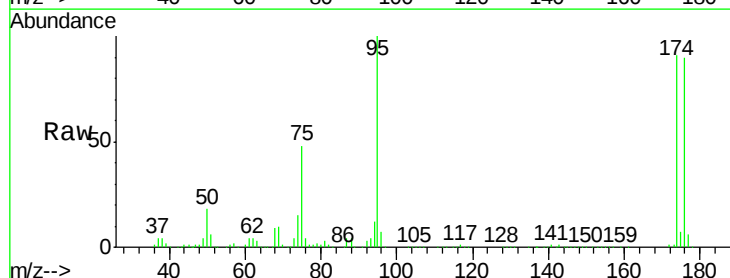
Tgt Ion: 95 Resp: 173534

Ion Ratio Lower Upper

95 100

174 101.0 0.0 201.8

176 99.0 0.0 196.8



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

11.14

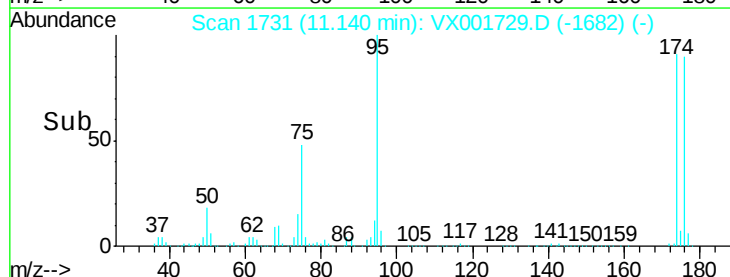
150000

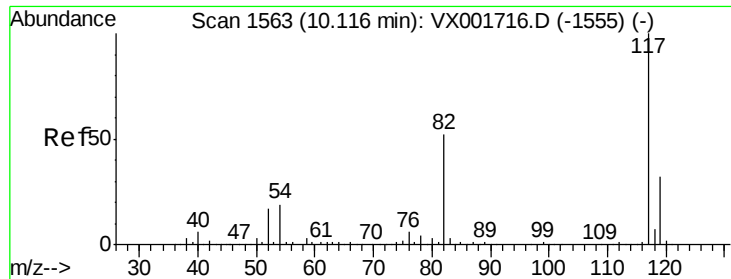
100000

50000

0

Time-->

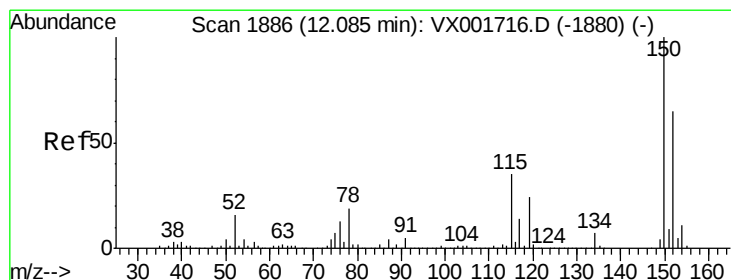
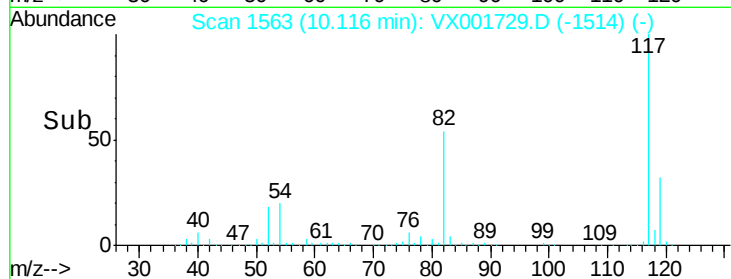
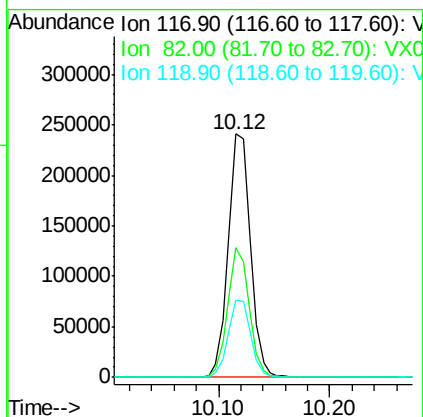
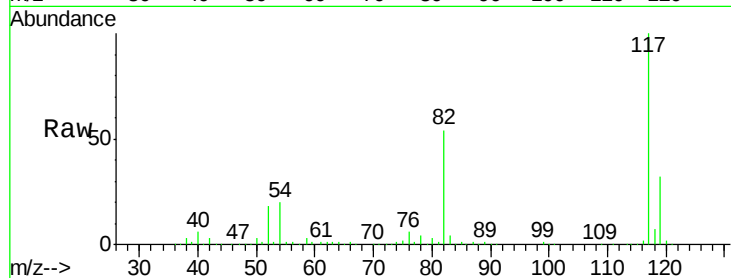




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. -0.00 min  
Lab File: VX001729.D  
Acq: 15 May 2018 00:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-01

Tot Ion:117 Resp: 335578  
Ion Ratio Lower Upper  
117 100  
82 53.5 41.4 62.2  
119 31.9 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX001729.D  
Acq: 15 May 2018 00:30

Tgt Ion:152 Resp: 191746  
Ion Ratio Lower Upper  
152 100  
115 52.5 37.4 112.2  
150 156.0 0.0 344.8

