

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX050618\  
 Data File : VX001440.D  
 Acq On : 06 May 2018 13:31  
 Operator : JC/MD  
 Sample : J2659-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-TB03-20180428

Quant Time: May 07 07:26:53 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sun May 06 07:59:25 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 301629   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 414546   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 363557   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 201697   | 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   | 261479   | 60.31 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 120.62% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 205501   | 55.73 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.46% |          |
| 50) Toluene-d8              | 8.72  | 98   | 726863   | 54.00 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 108.00% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 248732   | 48.14 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.28%  |          |

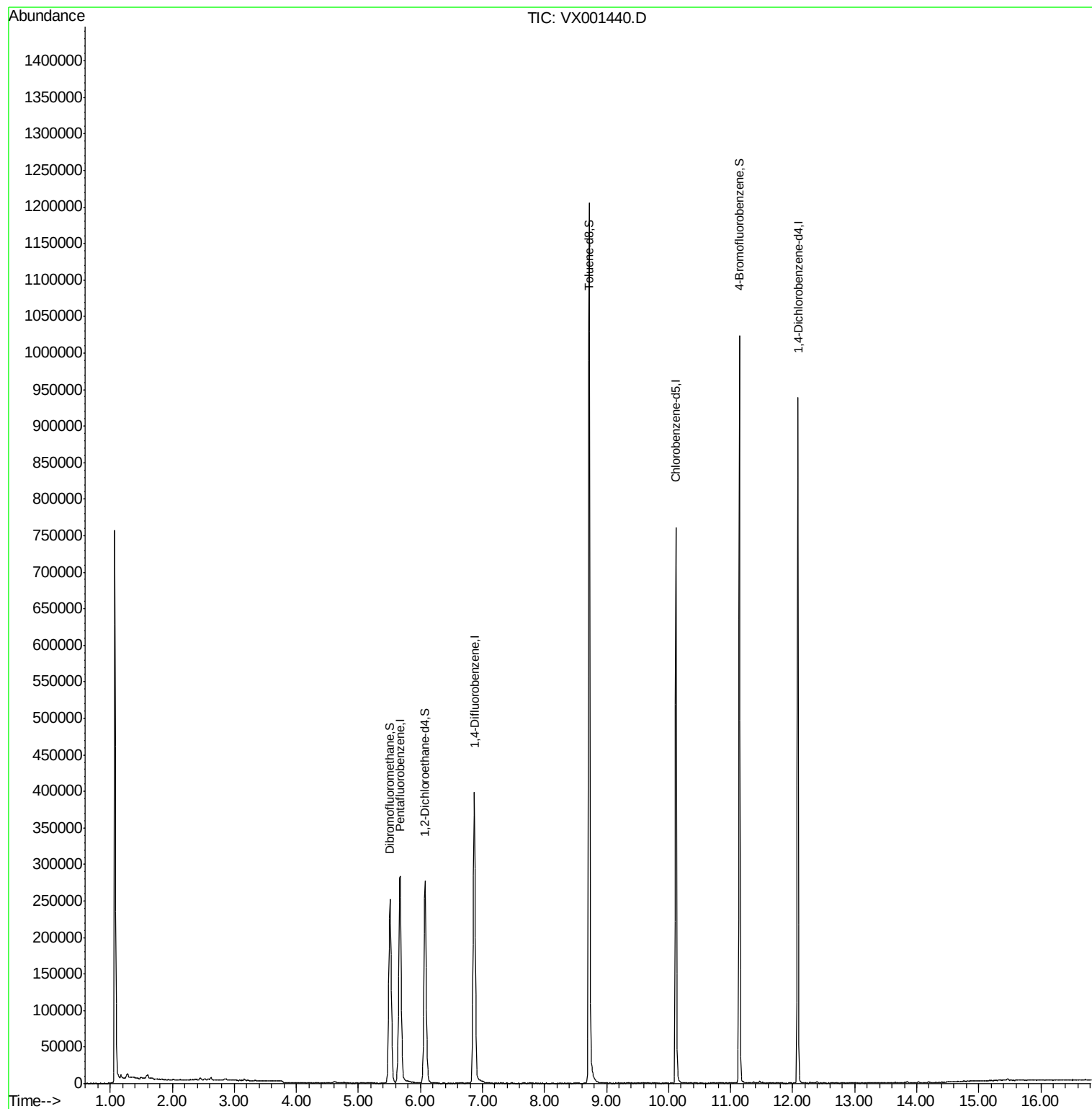
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

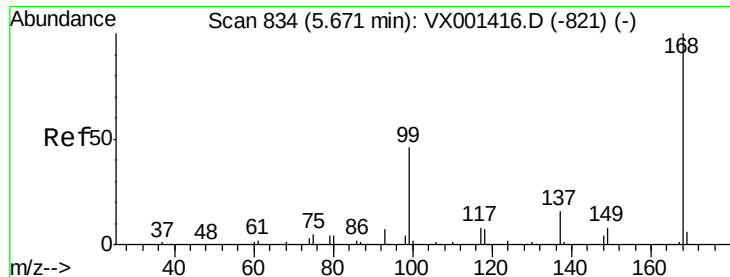
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sun May 06 07:59:25 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: VX001440.D

Acq: 06 May 2018 13:31

Instrument :

MSVOA\_X

ClientSampleId :

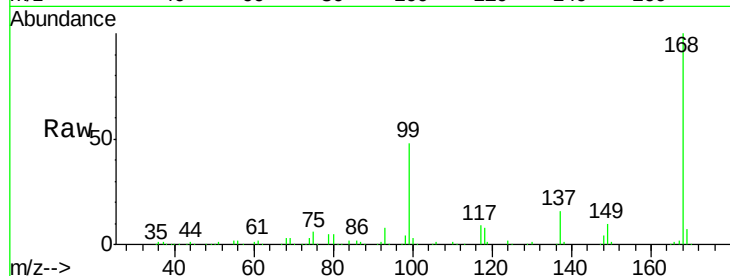
BP-TB03-20180428

Tot Ion:168 Resp: 301629

Ion Ratio Lower Upper

168 100

99 47.9 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

60000

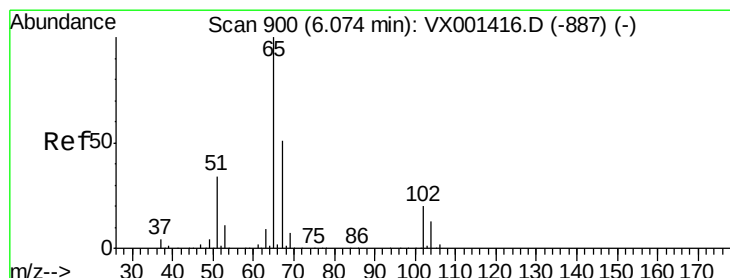
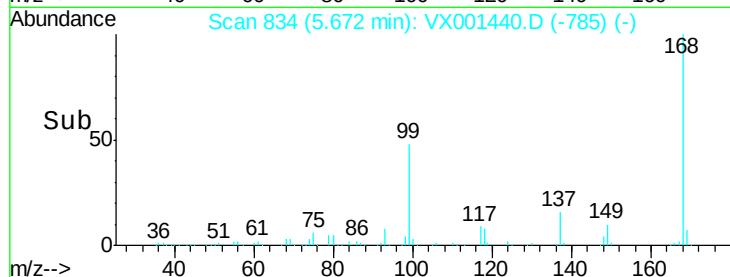
40000

20000

0

Time-->

5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 60.31 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001440.D

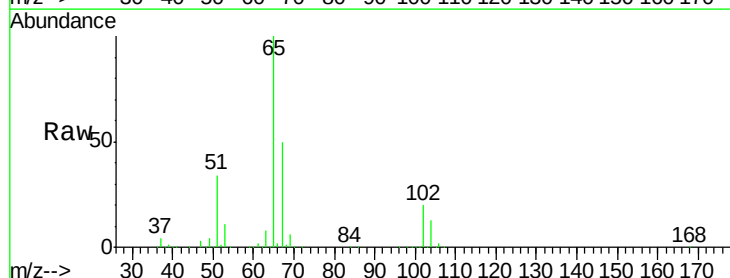
Acq: 06 May 2018 13:31

Tgt Ion: 65 Resp: 261479

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

60000

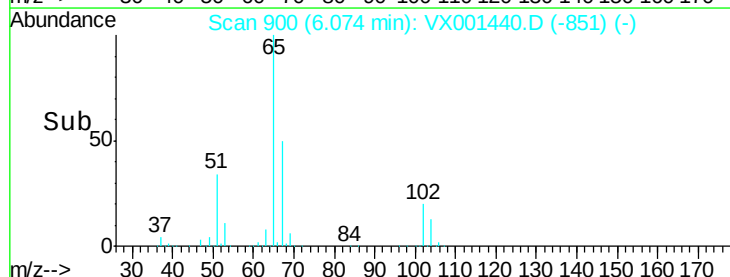
40000

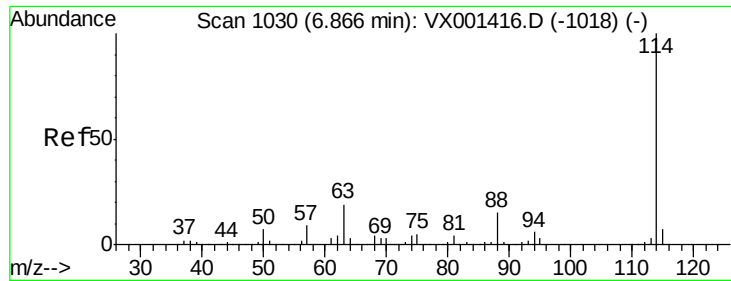
20000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001440.D

Acq: 06 May 2018 13:31

Instrument :

MSVOA\_X

ClientSampleId :

BP-TB03-20180428

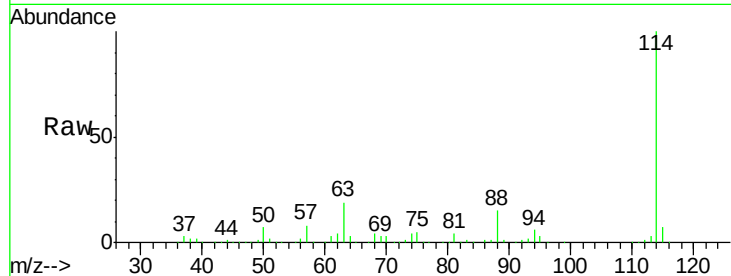
Tot Ion:114 Resp: 414546

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

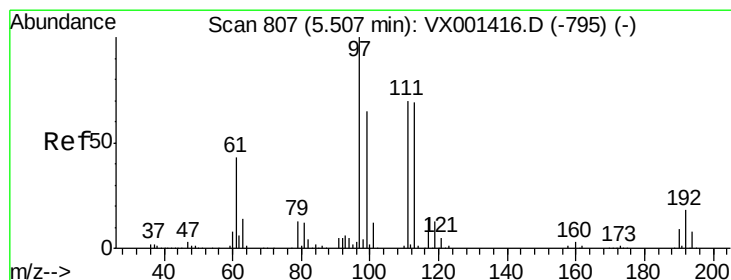
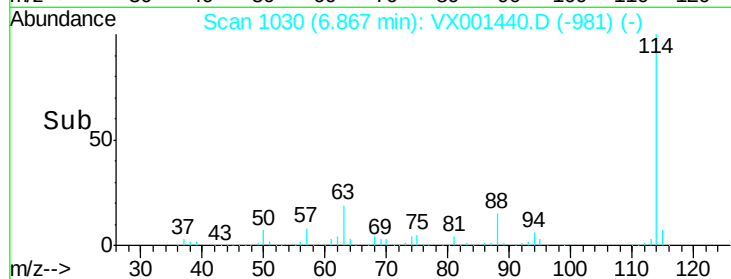
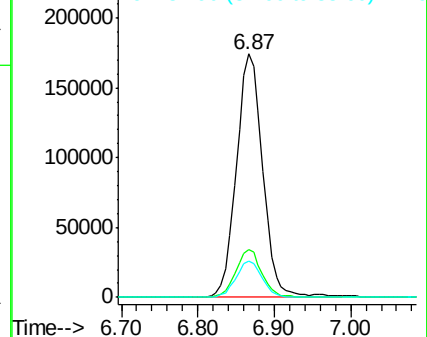
88 14.7 0.0 30.8



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: 55.73 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001440.D

Acq: 06 May 2018 13:31

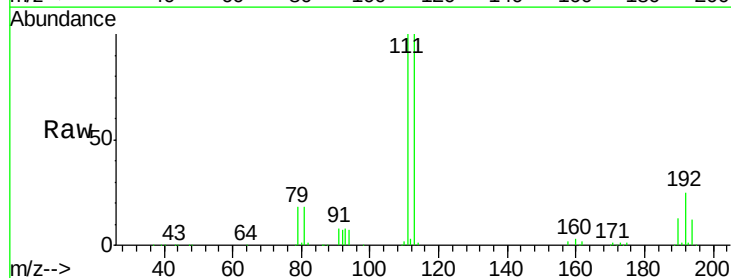
Tgt Ion:113 Resp: 205501

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.2

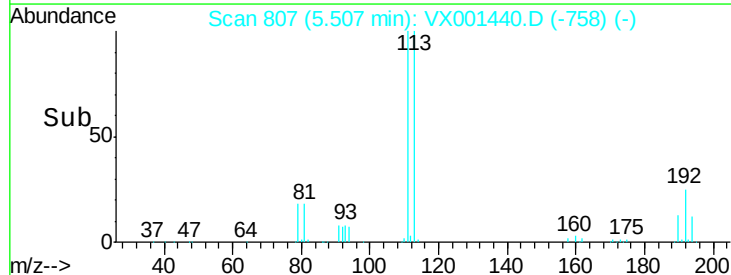
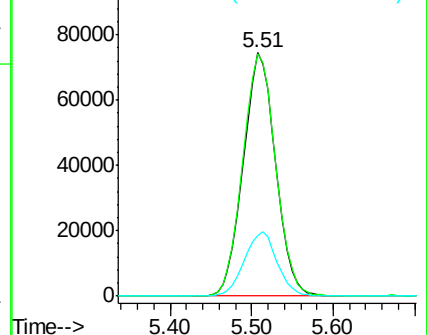
192 26.7 21.4 32.0

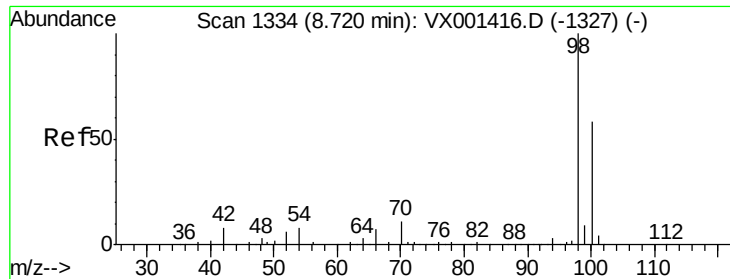


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 54.00 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001440.D

Acq: 06 May 2018 13:31

Instrument :

MSVOA\_X

ClientSampleId :

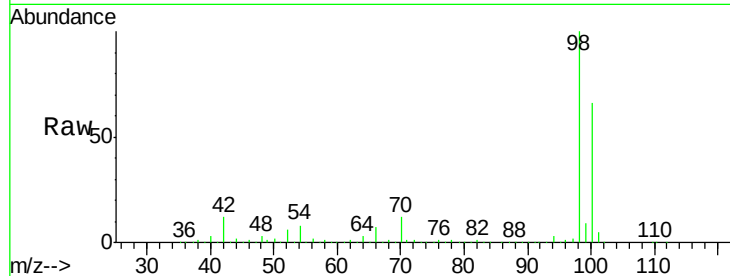
BP-TB03-20180428

Tot Ion: 98 Resp: 726863

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): VX

8.72

500000

400000

300000

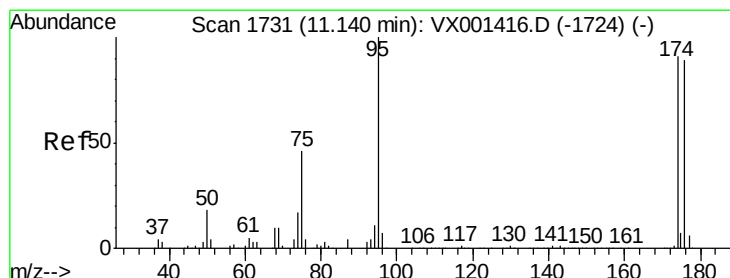
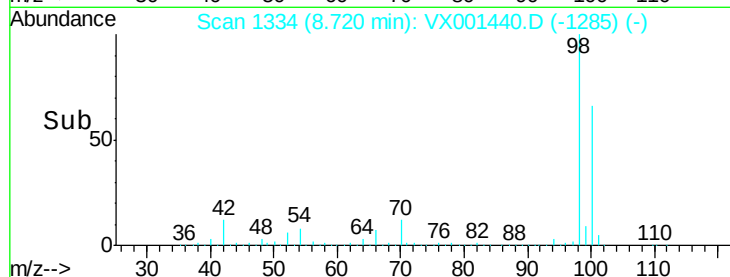
200000

100000

0

Time-->

8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 48.14 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001440.D

Acq: 06 May 2018 13:31

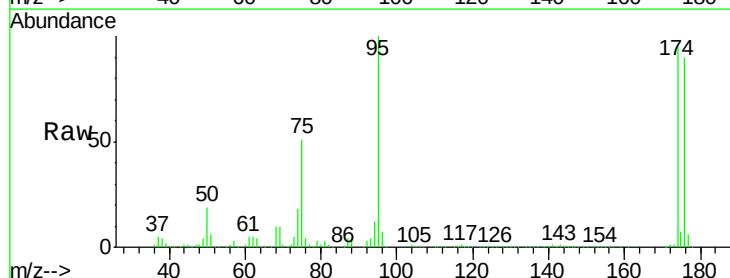
Tgt Ion: 95 Resp: 248732

Ion Ratio Lower Upper

95 100

174 100.6 0.0 202.0

176 96.5 0.0 197.4



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

250000

200000

150000

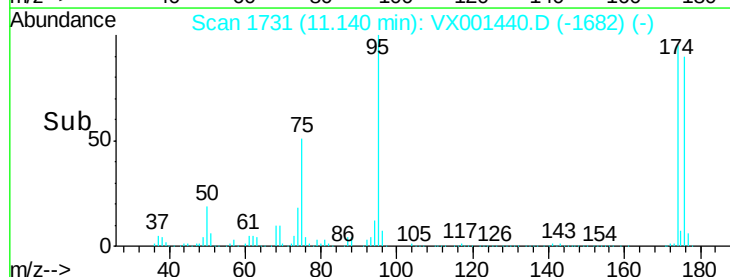
100000

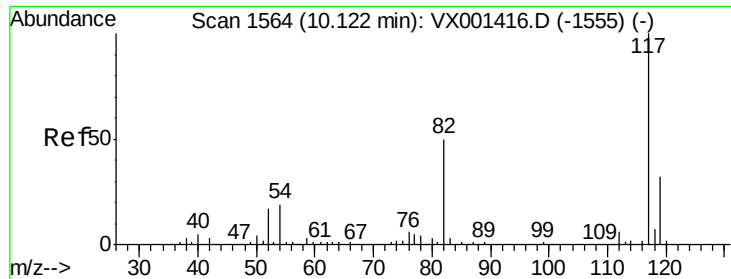
50000

0

Time-->

11.10 11.20 11.30





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001440.D

Acq: 06 May 2018 13:31

Instrument :

MSVOA\_X

ClientSampleId :

BP-TB03-20180428

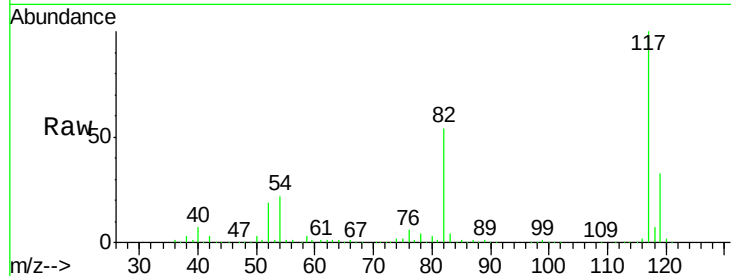
Tot Ion:117 Resp: 363557

Ion Ratio Lower Upper

117 100

82 53.9 40.0 60.0

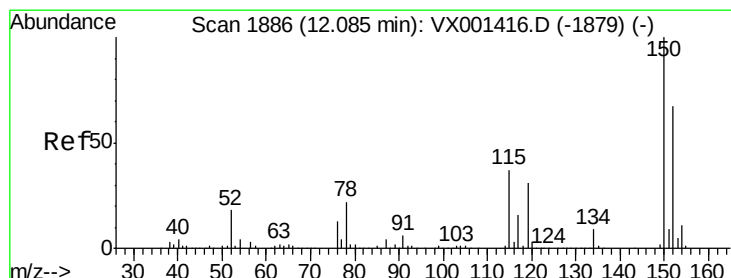
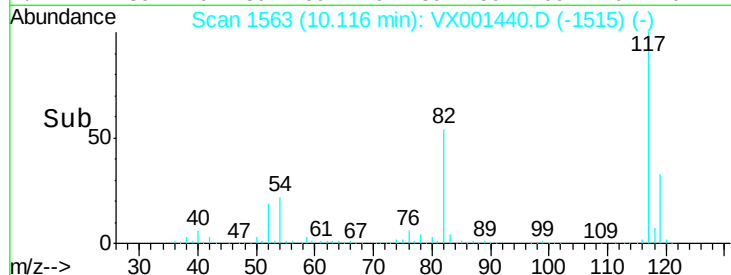
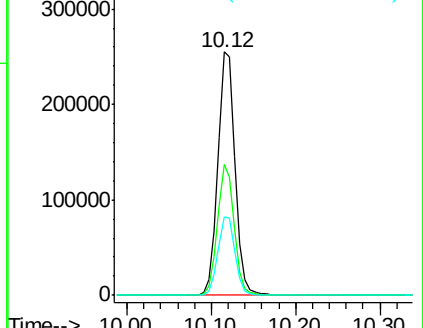
119 32.5 25.8 38.8



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: VX001440.D

Acq: 06 May 2018 13:31

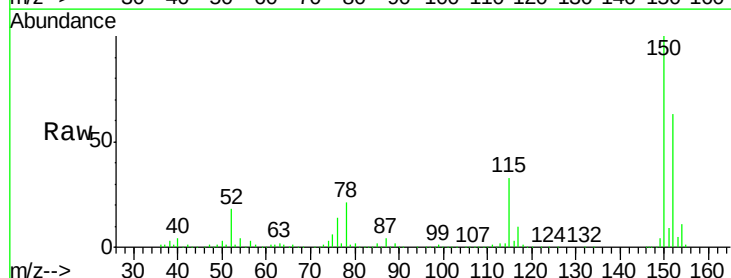
Tgt Ion:152 Resp: 201697

Ion Ratio Lower Upper

152 100

115 52.9 37.7 113.1

150 157.7 0.0 349.4



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

