

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\  
 Data File : VN027245.D  
 Acq On : 17 Sep 2015 10:33  
 Operator : MD\FY  
 Sample : VN0917WBL02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0917WBL02

Quant Time: Sep 18 01:27:03 2015  
 Quant Method : W:\HPCHEM1\MSVOA\_N\METHODS\82N091515W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 15 21:12:09 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.75  | 168  | 773644   | 50.00 | ug/l    | 0.00     |
| 35) 1,4-Difluorobenzene     | 8.68  | 114  | 1392504  | 50.00 | ug/l    | 0.00     |
| 64) Chlorobenzene-d5        | 11.52 | 117  | 1149409  | 50.00 | ug/l    | 0.00     |
| 73) 1,4-Dichlorobenzene-d4  | 13.47 | 152  | 390108   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 34) 1,2-Dichloroethane-d4   | 8.12  | 65   | 765883   | 48.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.64%  |          |
| 36) Dibromofluoromethane    | 7.68  | 113  | 501163   | 51.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.84% |          |
| 51) Toluene-d8              | 10.19 | 98   | 2024169  | 53.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.12% |          |
| 63) 4-Bromofluorobenzene    | 12.52 | 95   | 657786   | 49.04 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.08%  |          |

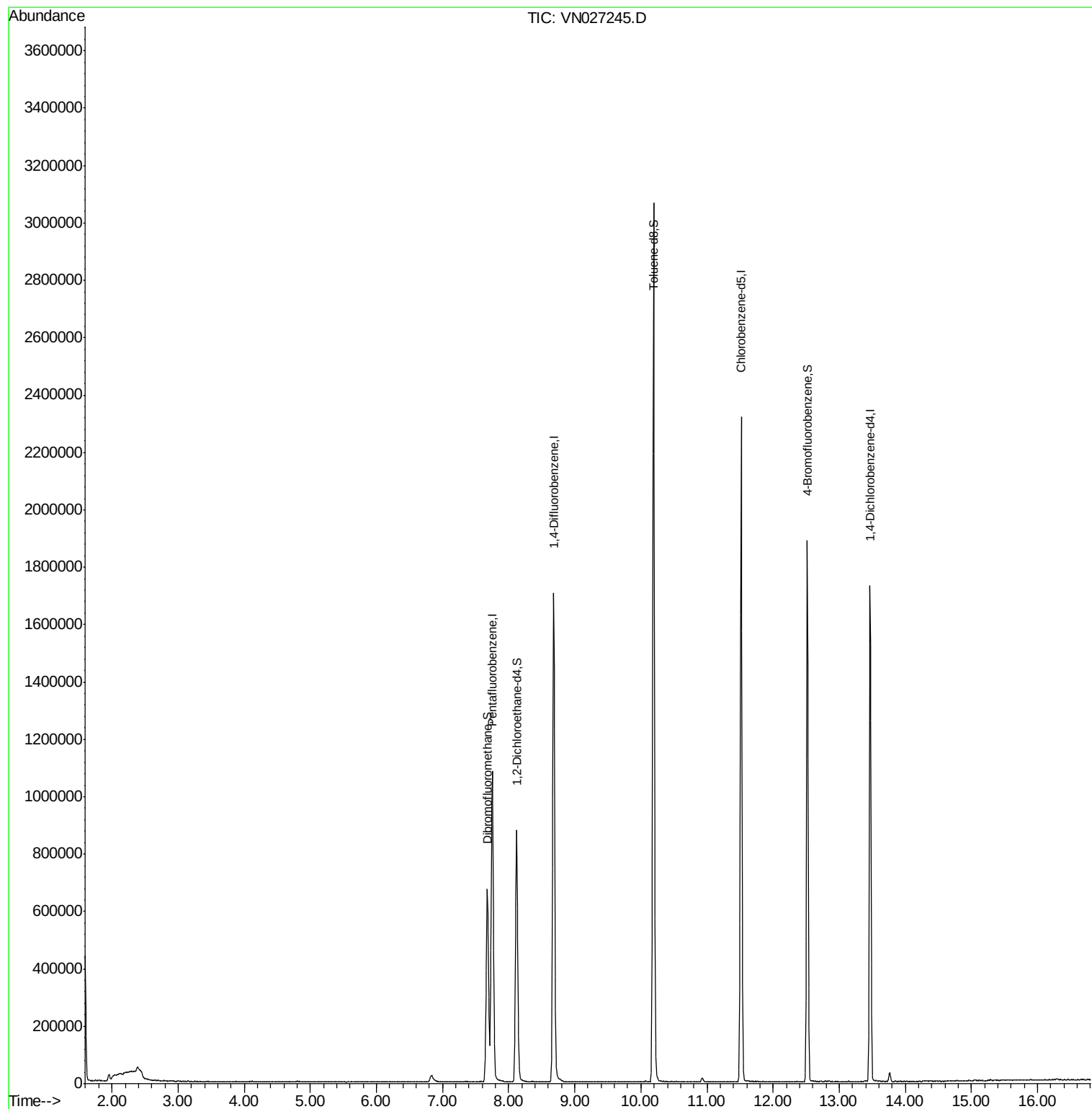
Target Compounds Qvalue

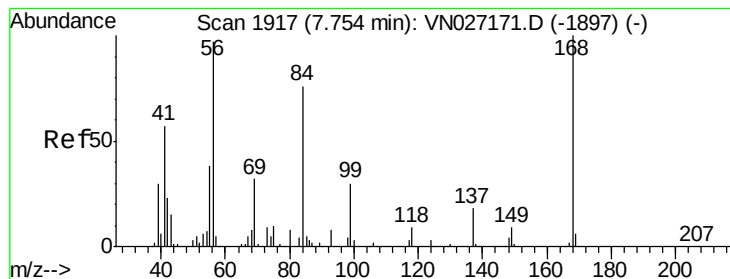
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 15 21:12:09 2015  
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027245.D

Acq: 17 Sep 2015 10:33

Instrument :

MSVOA\_N

ClientSampleId :

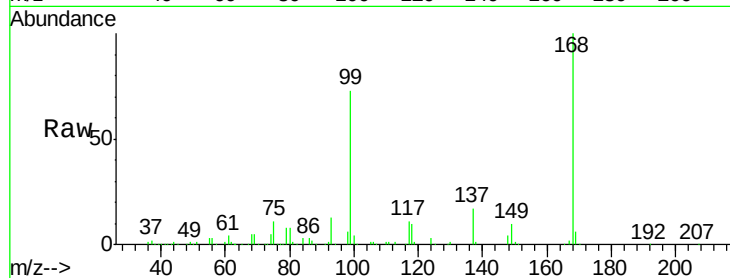
VN0917WBL02

Tot Ion:168 Resp: 773644

Ion Ratio Lower Upper

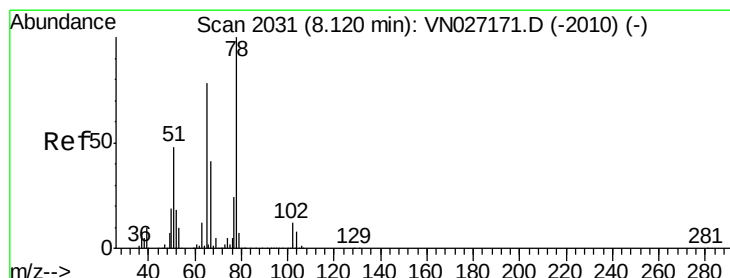
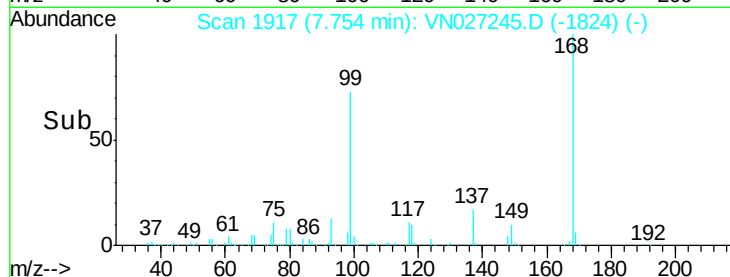
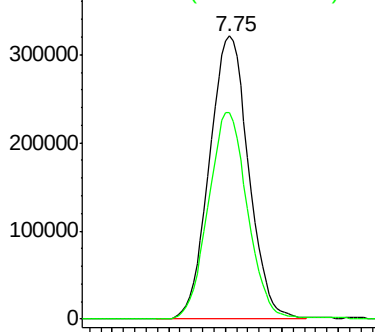
168 100

99 72.8 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#34

1,2-Dichloroethane-d4

Concen: 48.32 ug/l

RT: 8.12 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VN027245.D

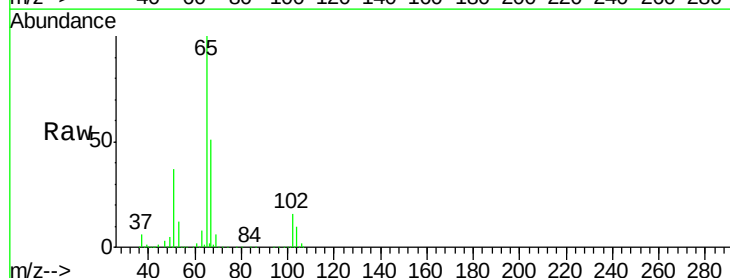
Acq: 17 Sep 2015 10:33

Tgt Ion: 65 Resp: 765883

Ion Ratio Lower Upper

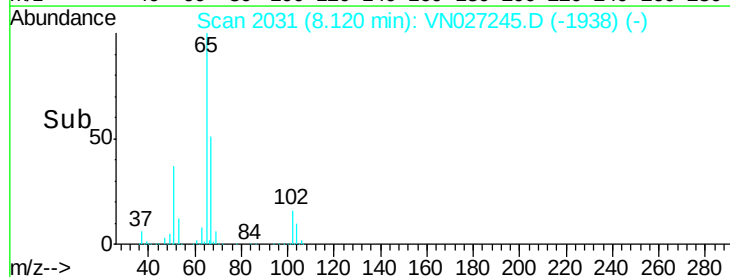
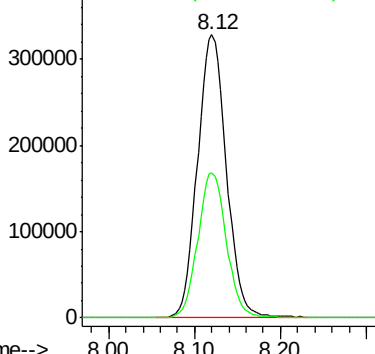
65 100

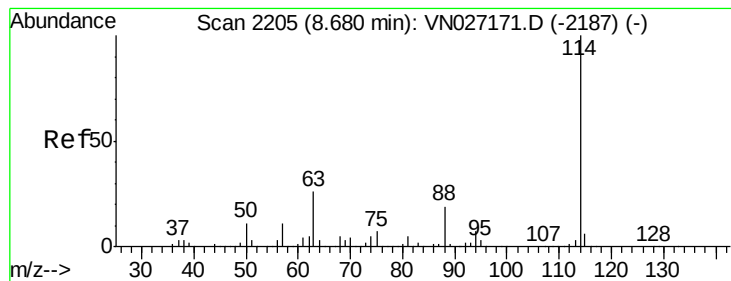
67 50.5 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN





#35

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.68 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VN027245.D

Acq: 17 Sep 2015 10:33

Instrument :

MSVOA\_N

ClientSampleId :

VN0917WBL02

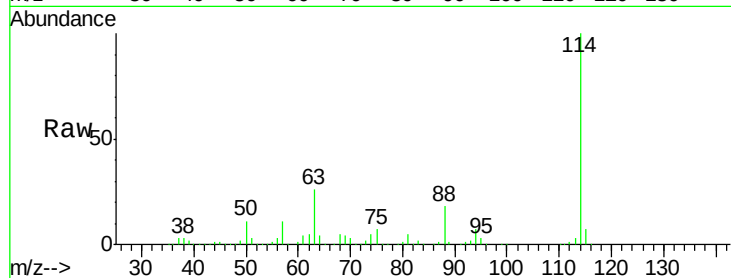
Tot Ion:114 Resp: 1392504

Ion Ratio Lower Upper

114 100

63 25.6 0.0 48.8

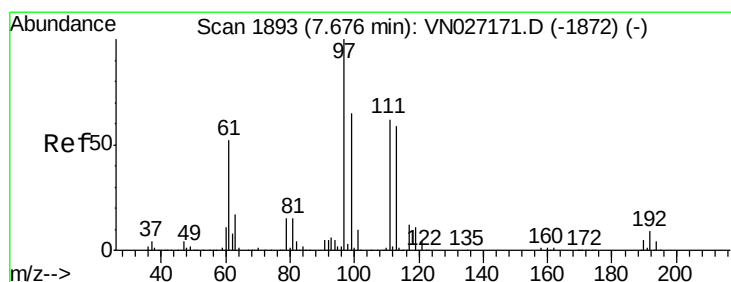
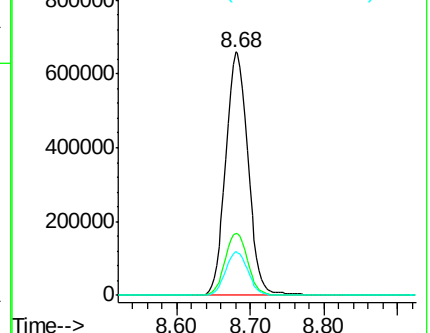
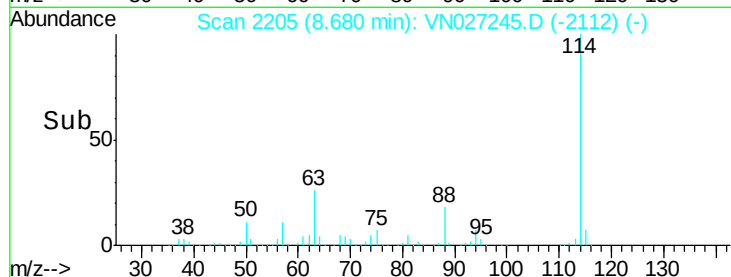
88 17.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 51.92 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027245.D

Acq: 17 Sep 2015 10:33

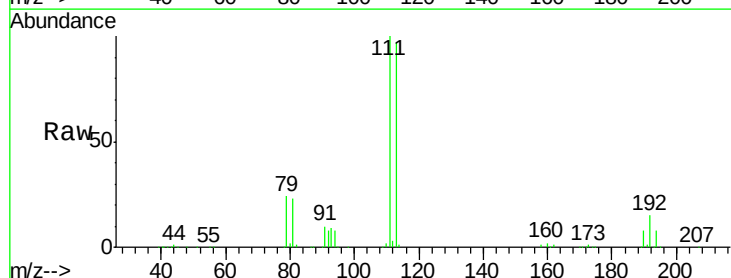
Tgt Ion:113 Resp: 501163

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

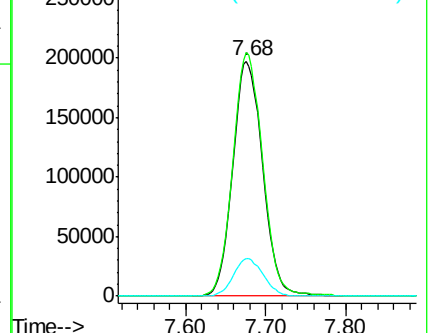
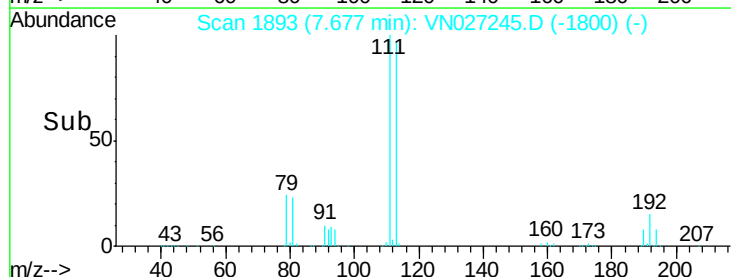
192 16.0 14.1 21.1

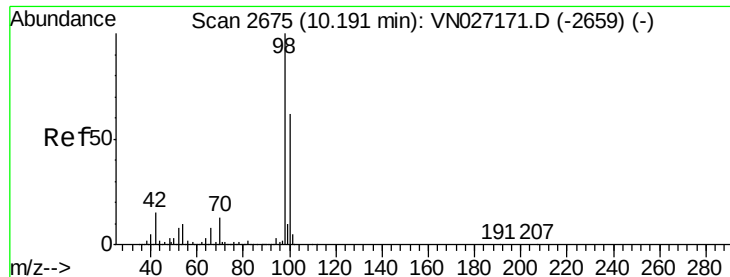


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#51

Toluene-d8

Concen: 53.56 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027245.D

Acq: 17 Sep 2015 10:33

Instrument :

MSVOA\_N

ClientSampleId :

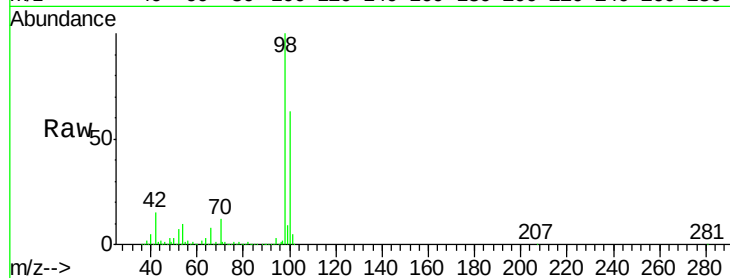
VN0917WBL02

Tot Ion: 98 Resp: 2024169

Ion Ratio Lower Upper

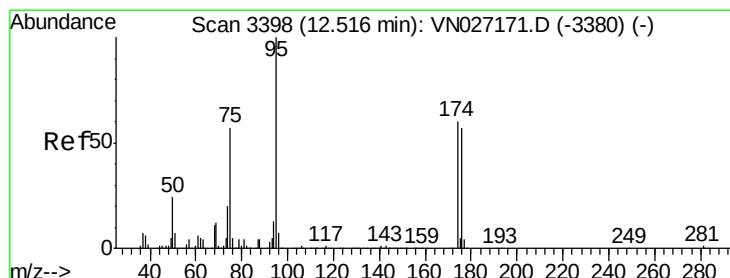
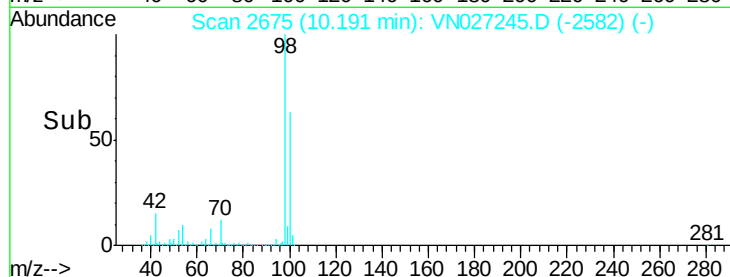
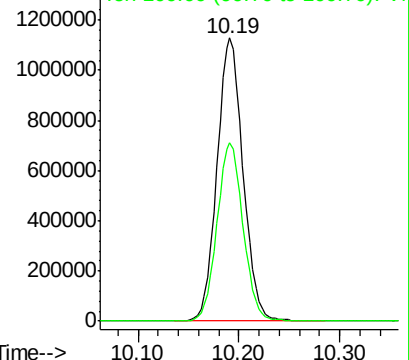
98 100

100 63.2 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#63

4-Bromofluorobenzene

Concen: 49.04 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027245.D

Acq: 17 Sep 2015 10:33

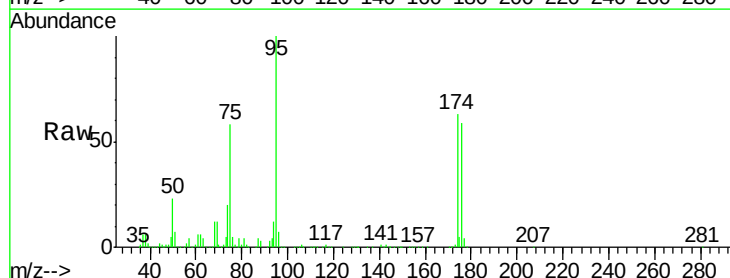
Tgt Ion: 95 Resp: 657786

Ion Ratio Lower Upper

95 100

174 63.2 0.0 137.0

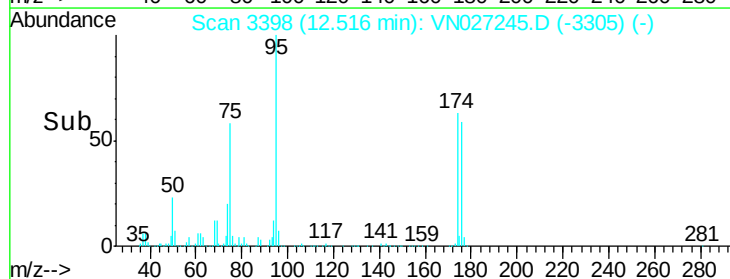
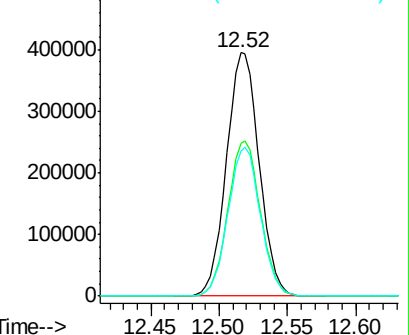
176 60.5 0.0 130.8

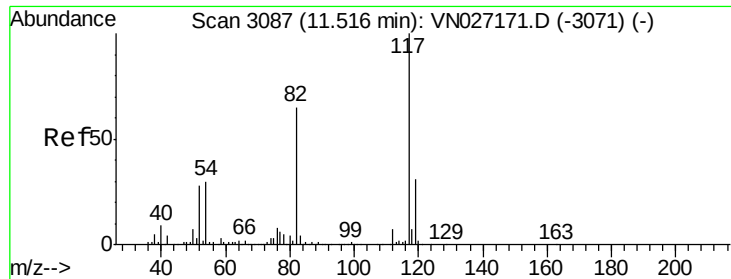


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

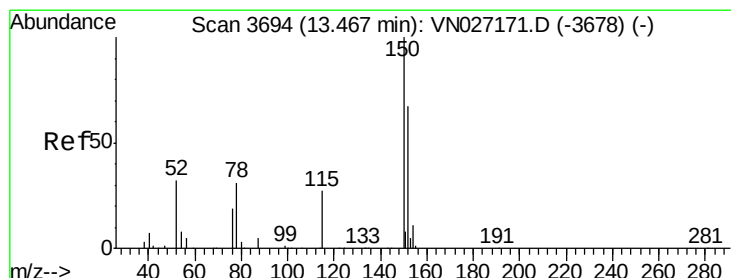
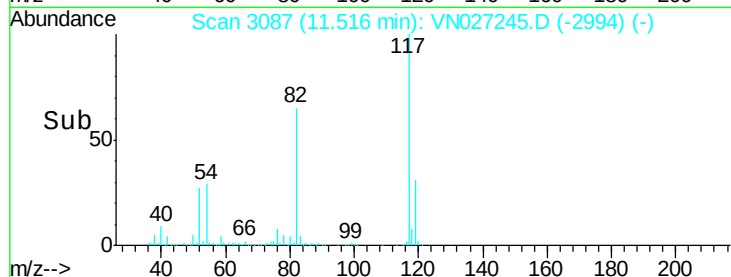
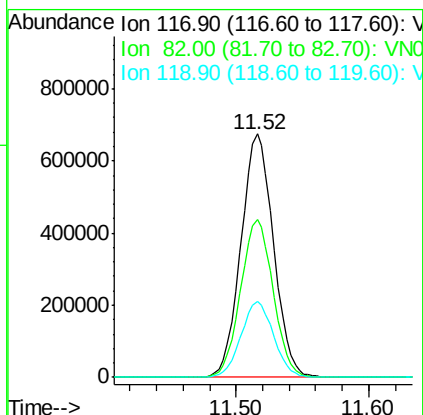
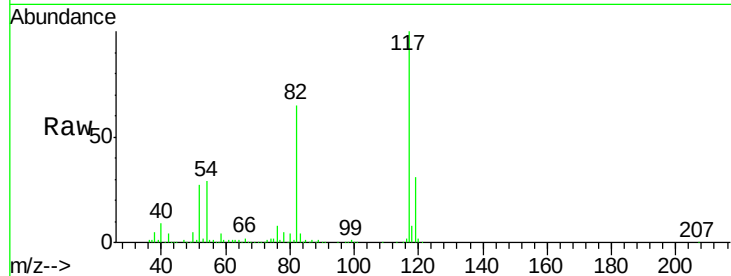




#64  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.52 min Scan# 3087  
Delta R.T. 0.00 min  
Lab File: VN027245.D  
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VN0917WBL02

Tot Ion:117 Resp: 1149409  
Ion Ratio Lower Upper  
117 100  
82 64.6 49.6 74.4  
119 31.0 24.6 36.8



#73  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.47 min Scan# 3695  
Delta R.T. 0.00 min  
Lab File: VN027245.D  
Acq: 17 Sep 2015 10:33

Tgt Ion:152 Resp: 390108  
Ion Ratio Lower Upper  
152 100  
115 67.3 30.8 92.3  
150 158.6 0.0 345.0

