

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\  
 Data File : VN058998.D  
 Acq On : 29 Oct 2019 10:36  
 Operator : JC/SP  
 Sample : VN1029WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1029WBL01

Quant Time: Oct 30 03:15:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Oct 19 00:16:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 448624   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 708364   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 620697   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 231140   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 309876   | 47.10 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.20% |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 228852   | 49.14 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.28% |      |
| 50) Toluene-d8              | 10.08  | 98  | 880884   | 48.72 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.44% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 287689   | 43.33 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.66% |      |

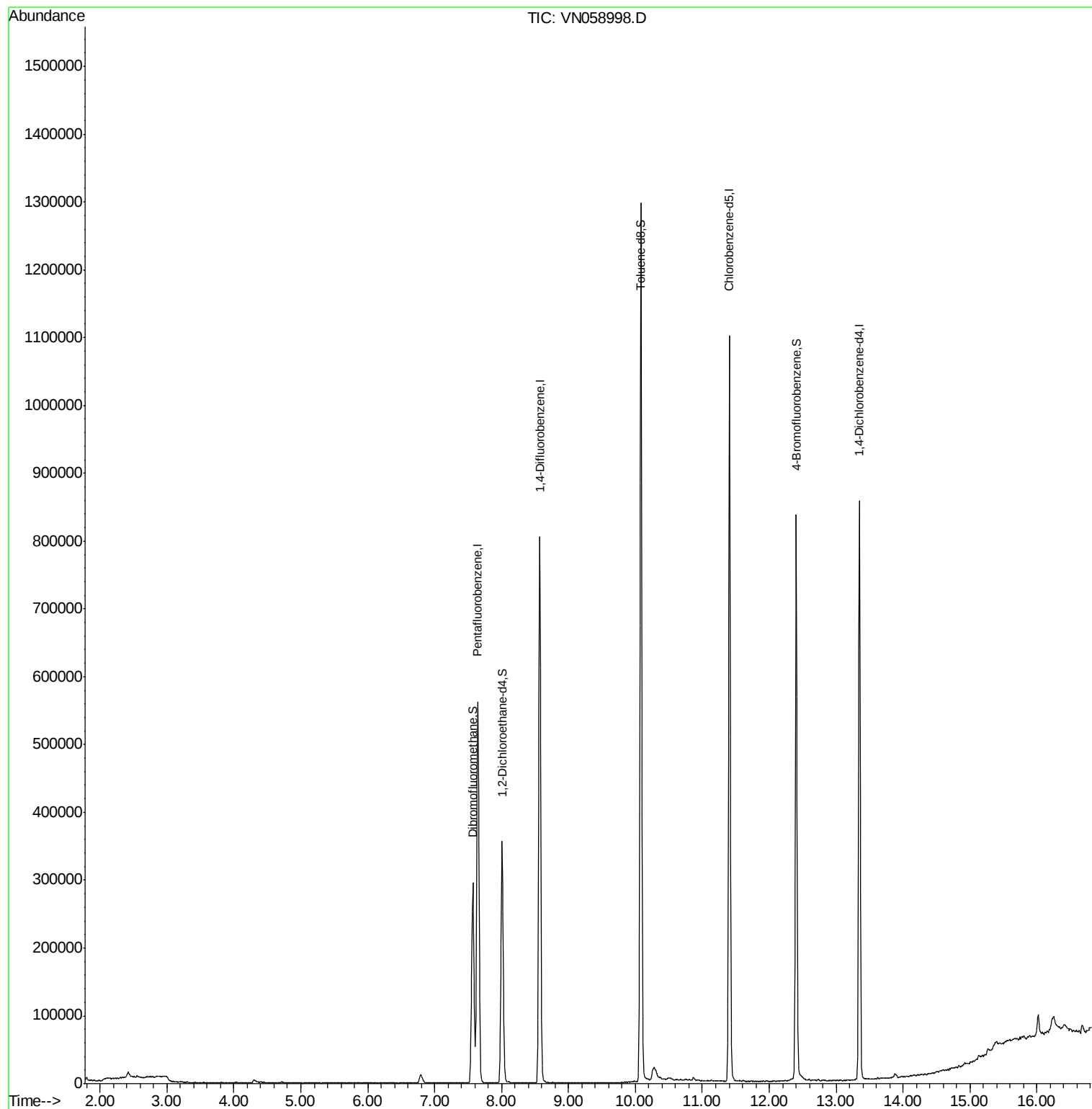
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

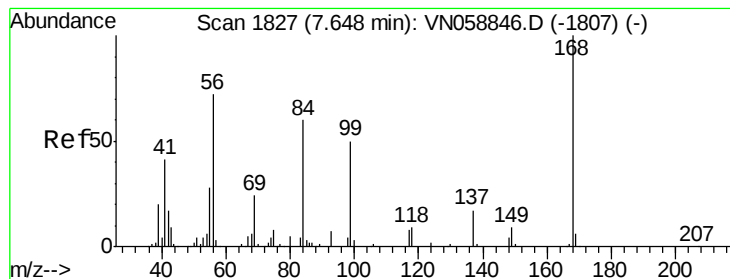
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102919\  
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MSVOA\_N  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101819W.M  
Quant Title : SW846 8260  
QLast Update : Sat Oct 19 00:16:20 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA\_N

ClientSampleId :

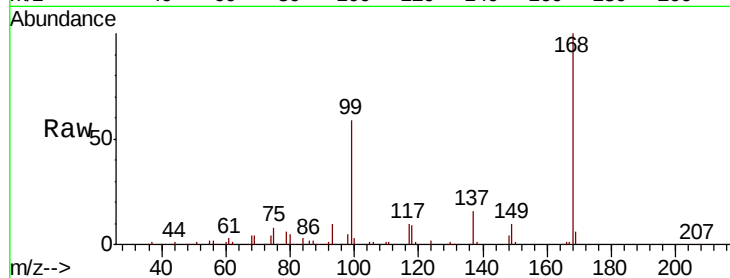
VN1029WBL01

Tot Ion:168 Resp: 448624

Ion Ratio Lower Upper

168 100

99 58.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

150000

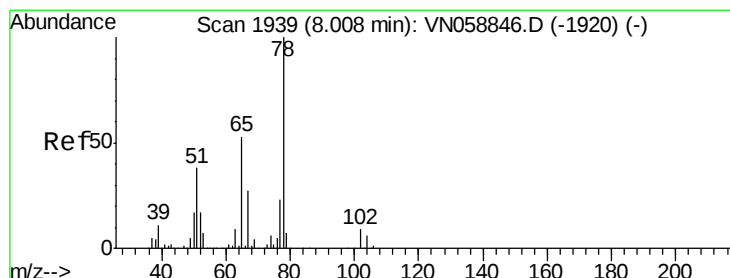
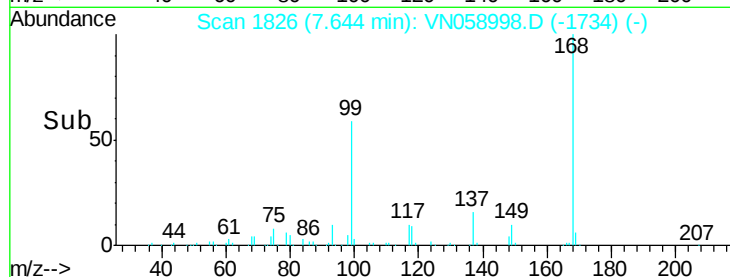
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.095 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN058998.D

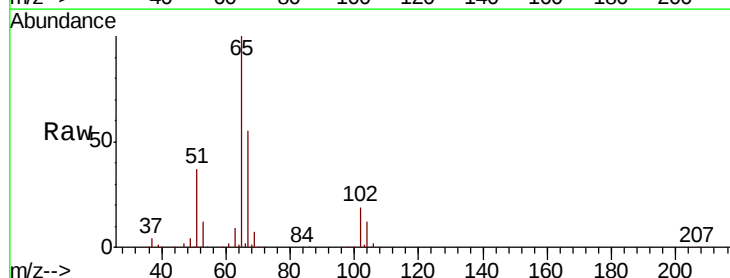
Acq: 29 Oct 2019 10:36

Tgt Ion: 65 Resp: 309876

Ion Ratio Lower Upper

65 100

67 54.2 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.01

150000

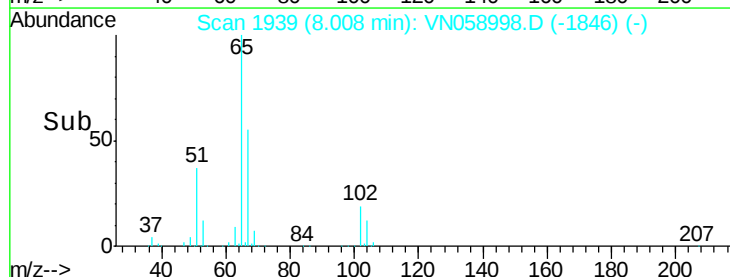
100000

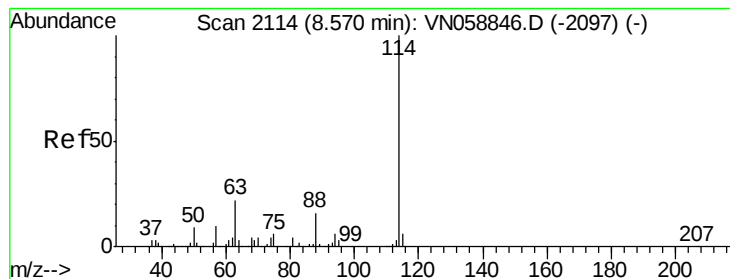
50000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA\_N

ClientSampleId :

VN1029WBL01

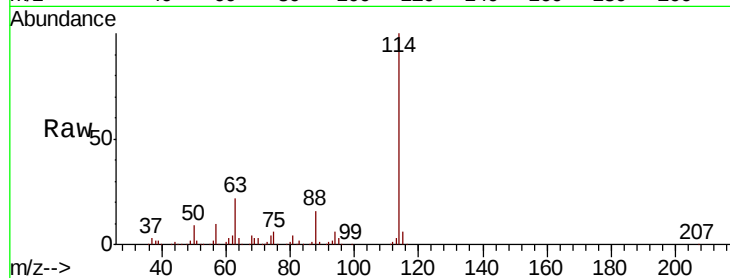
Tot Ion:114 Resp: 708364

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

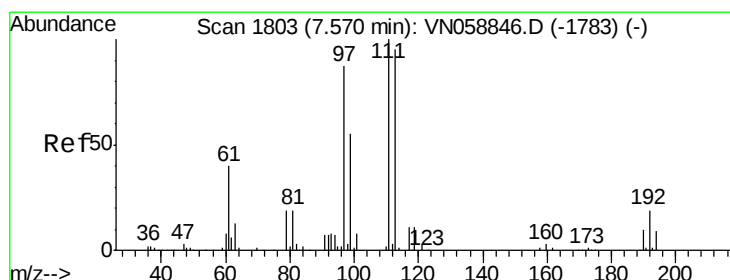
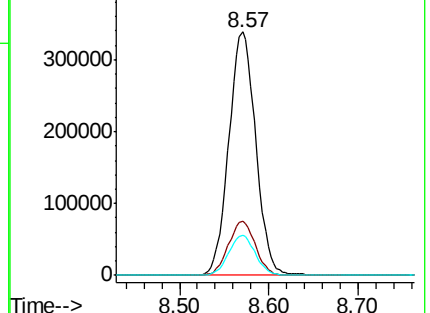
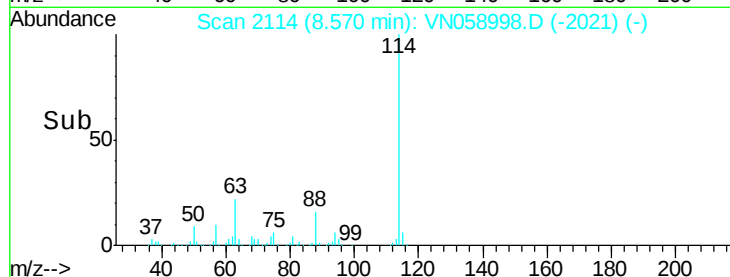
88 16.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.138 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

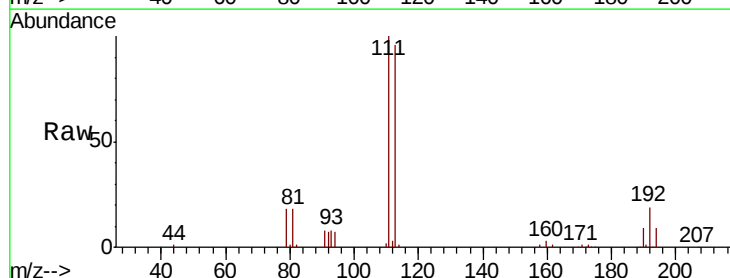
Tgt Ion:113 Resp: 228852

Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

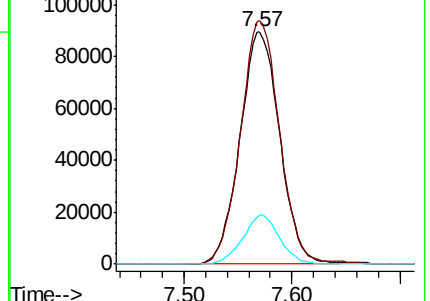
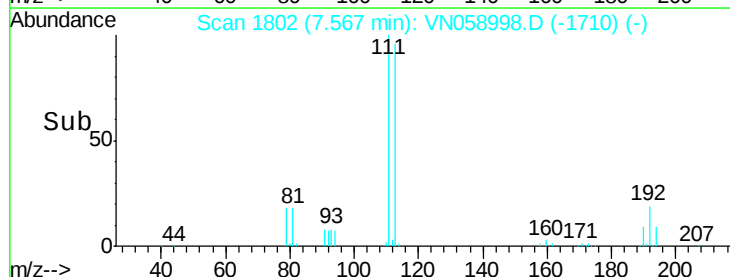
192 19.6 15.0 22.6

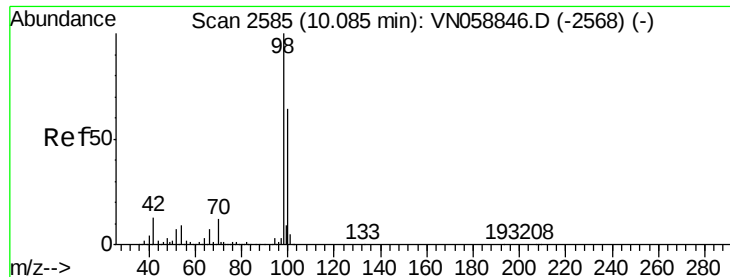


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.724 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA\_N

ClientSampled :

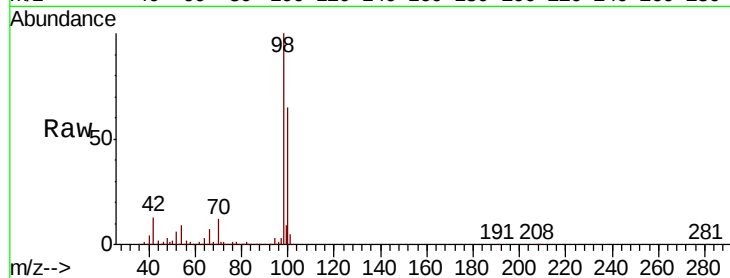
VN1029WBL01

Tot Ion: 98 Resp: 880884

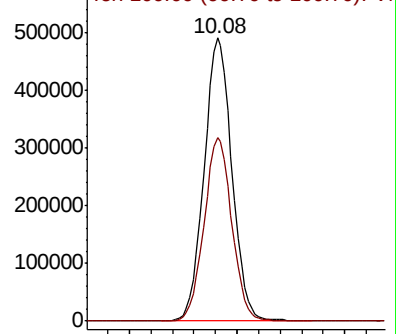
Ion Ratio Lower Upper

98 100

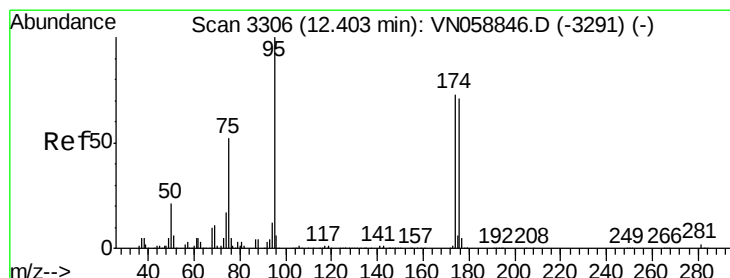
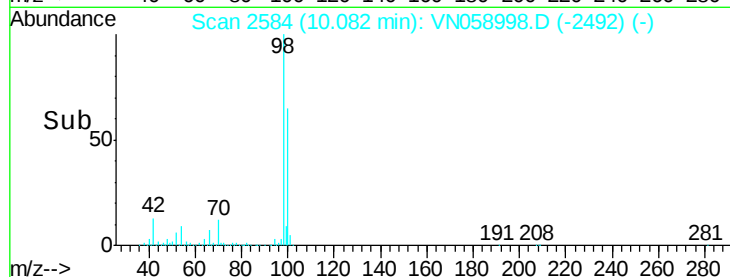
100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)



Time-->



#62

4-Bromofluorobenzene

Concen: 43.333 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

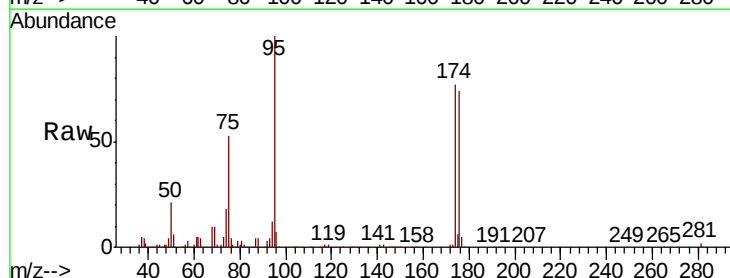
Tgt Ion: 95 Resp: 287689

Ion Ratio Lower Upper

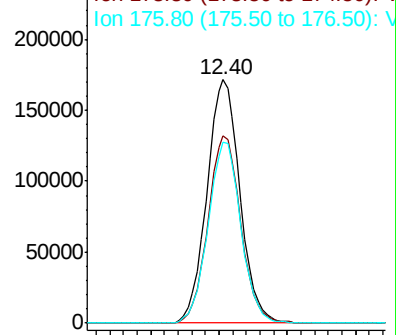
95 100

174 76.4 0.0 147.6

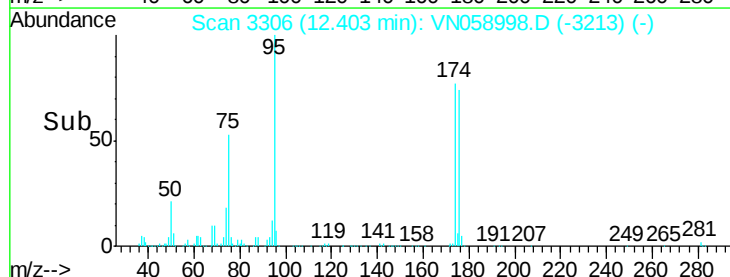
176 73.7 0.0 143.2

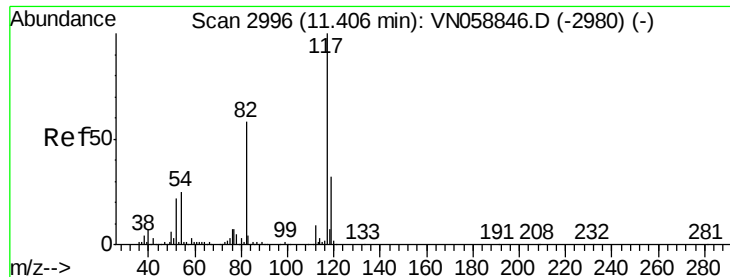


Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

Instrument :

MSVOA\_N

ClientSampleId :

VN1029WBL01

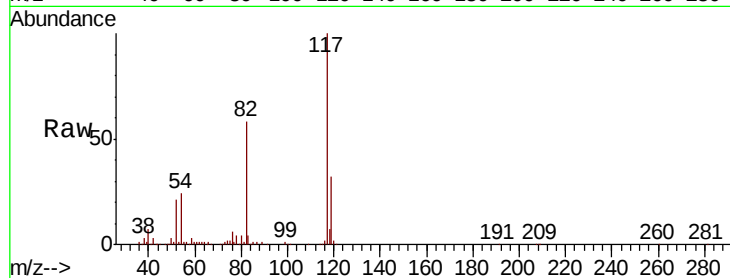
Tot Ion:117 Resp: 620697

Ion Ratio Lower Upper

117 100

82 58.1 46.6 69.8

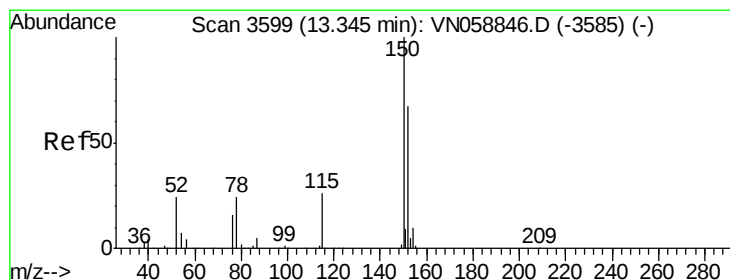
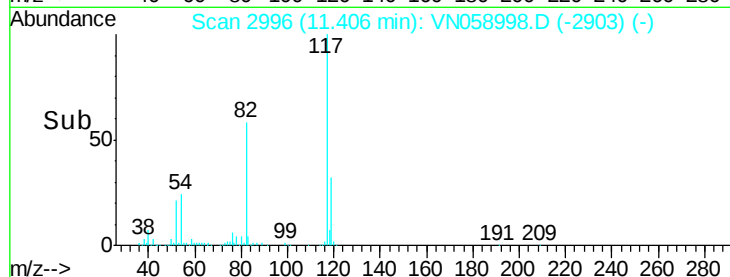
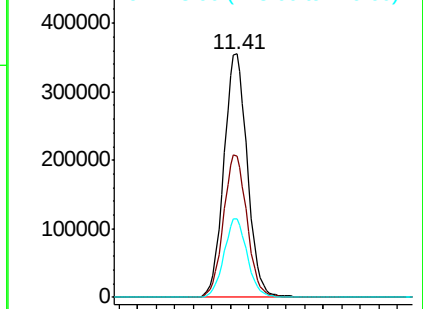
119 32.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058998.D

Acq: 29 Oct 2019 10:36

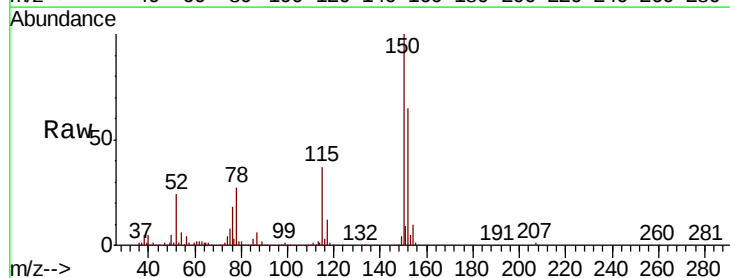
Tgt Ion:152 Resp: 231140

Ion Ratio Lower Upper

152 100

115 59.8 30.5 91.5

150 157.2 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

