

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100819\  
 Data File : VN058609.D  
 Acq On : 8 Oct 2019 14:44  
 Operator : JC/SP  
 Sample : K5122-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FA19-GMZ5-TB1

Quant Time: Oct 09 04:16:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100819SIM-VINYL.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 09 04:07:23 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) Pentafluorobenzene     | 7.65  | 168  | 2302453  | 5.00 | ug/l  | 0.00     |
| 4) 1,4-Difluorobenzene    | 8.56  | 114  | 3416217  | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 3008264  | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 1145585  | 5.00 | ug/l  | 0.00     |

| System Monitoring Compounds |       |       |          |          |      |         |
|-----------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4    | 8.00  | 65    | 1409438  | 5.12     | ug/l | 0.00    |
| Spiked Amount               | 5.000 | Range | 81 - 118 | Recovery | =    | 102.40% |
| 5) Dibromofluoromethane     | 7.57  | 113   | 1094678  | 5.09     | ug/l | 0.00    |
| Spiked Amount               | 5.000 | Range | 80 - 119 | Recovery | =    | 101.80% |
| 6) Toluene-d8               | 10.08 | 98    | 2443430  | 5.02     | ug/l | 0.00    |
| Spiked Amount               | 5.000 | Range | 89 - 112 | Recovery | =    | 100.40% |
| 7) 4-Bromofluorobenzene     | 12.40 | 95    | 1124419  | 4.72     | ug/l | 0.00    |
| Spiked Amount               | 5.000 | Range | 85 - 114 | Recovery | =    | 94.40%  |

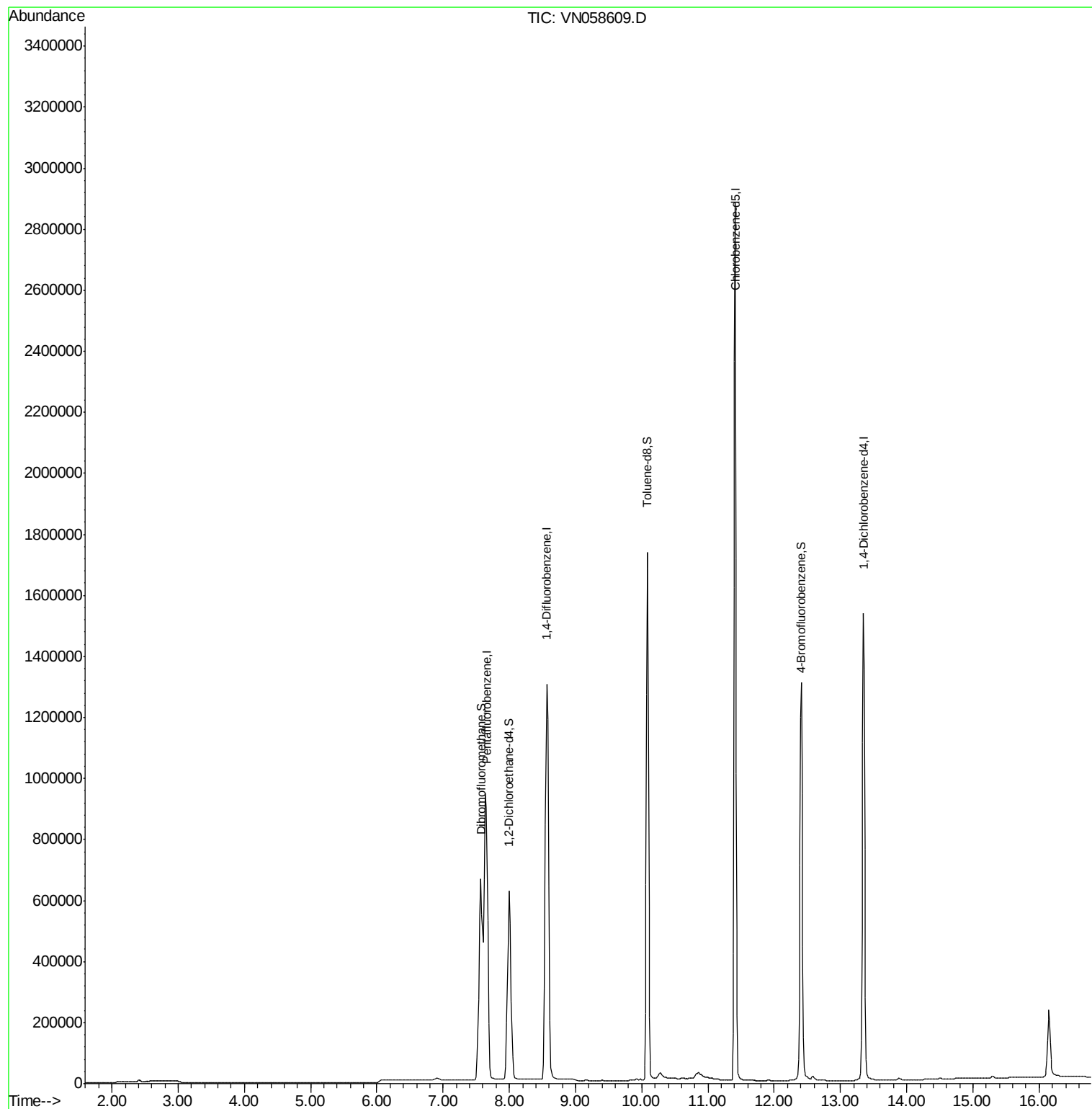
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

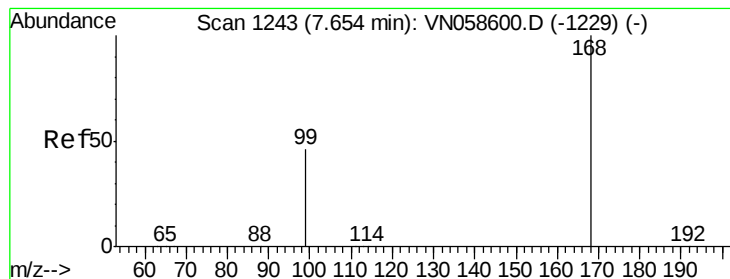
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 09 04:07:23 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 5.000 ug/l

RT: 7.65 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VN058609.D

Acq: 8 Oct 2019 14:44

Instrument :

MSVOA\_N

ClientSampleId :

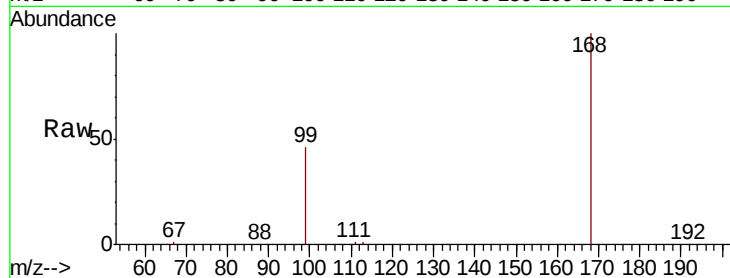
FA19-GMZ5-TB1

Tot Ion:168 Resp: 2302453

Ion Ratio Lower Upper

168 100

99 46.5 36.8 55.2



Abundance Ion 168.00 (167.70 to 168.70): VN058609.D (-1226) (-)

Ion 99.00 (98.70 to 99.70): VN058609.D (-1226) (-)

7.65

600000

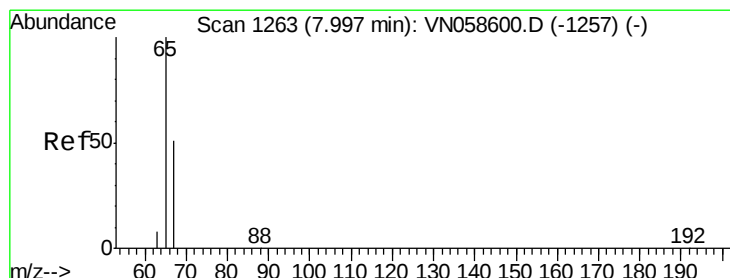
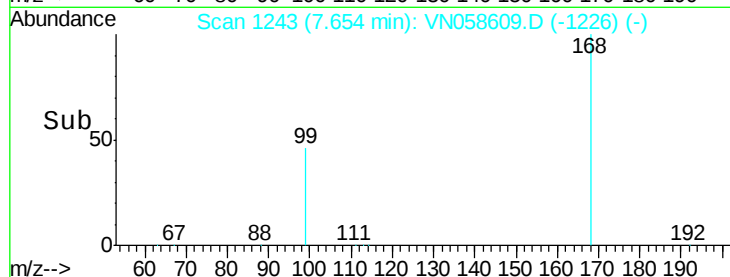
400000

200000

0

7.40 7.60 7.80 8.00

Time-->



#3

1,2-Dichloroethane-d4

Concen: 5.124 ug/l

RT: 8.00 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN058609.D

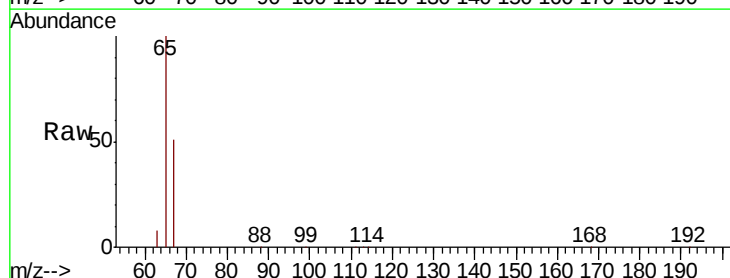
Acq: 8 Oct 2019 14:44

Tgt Ion: 65 Resp: 1409438

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



Abundance Ion 65.00 (64.70 to 65.70): VN058609.D (-1246) (-)

Ion 67.00 (66.70 to 67.70): VN058609.D (-1246) (-)

8.00

400000

300000

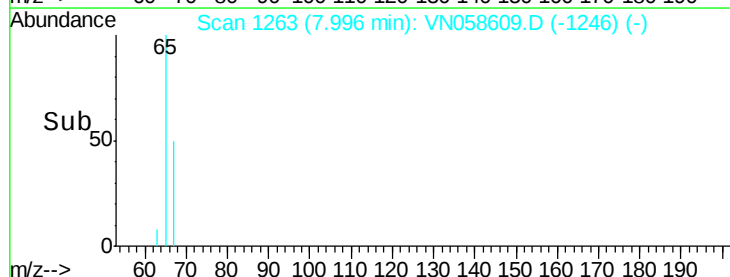
200000

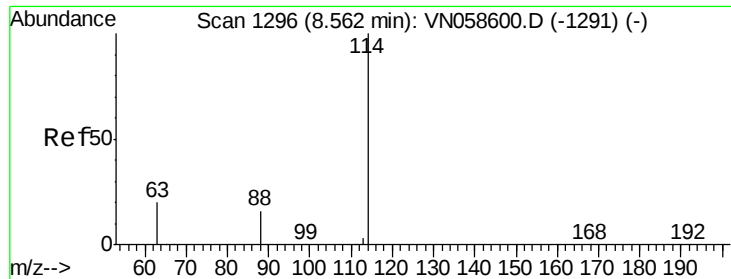
100000

0

7.80 8.00 8.20

Time-->

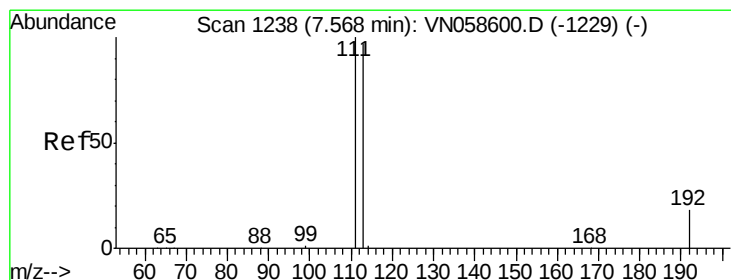
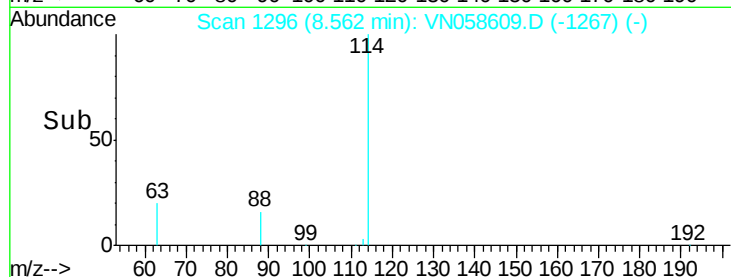
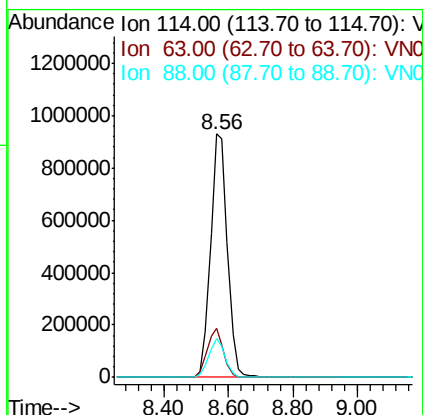
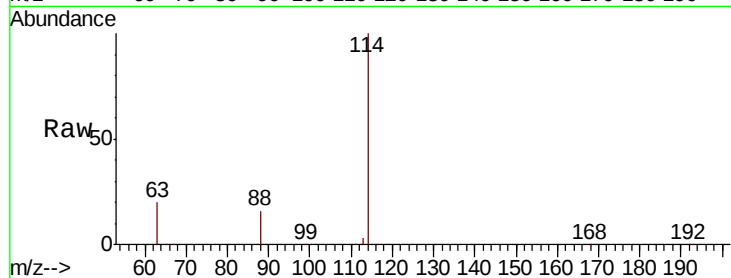




#4  
 1,4-Difluorobenzene  
 Concen: 5.000 ug/l  
 RT: 8.56 min Scan# 1296  
 Delta R.T. -0.00 min  
 Lab File: VN058609.D  
 Acq: 8 Oct 2019 14:44

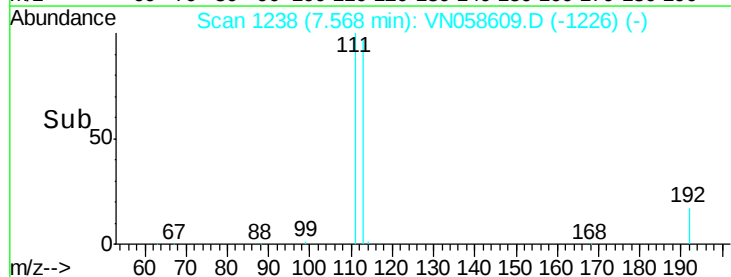
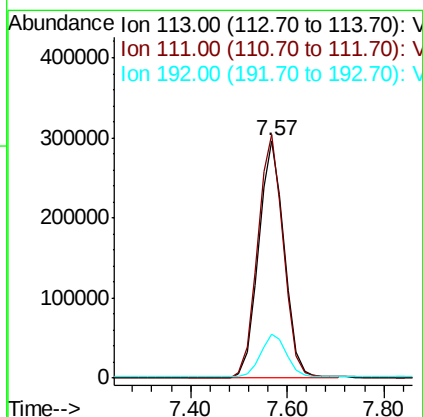
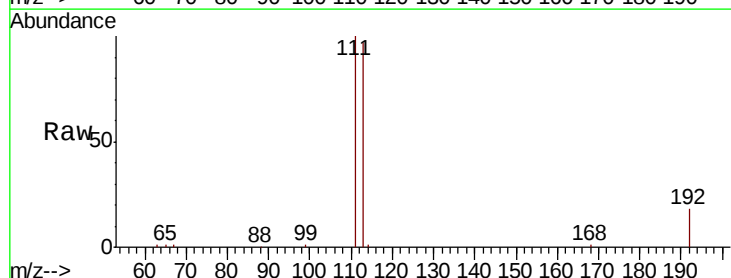
Instrument :  
 MSVOA\_N  
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 FA19-GMZ5-TB1

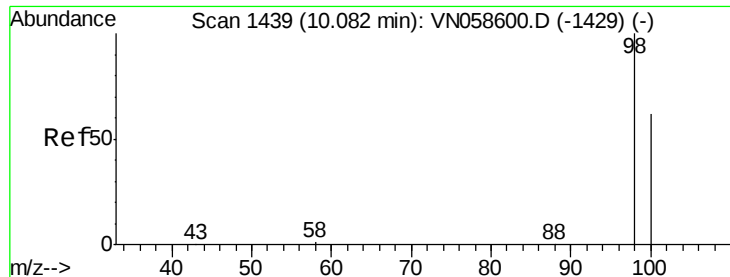
Tot Ion:114 Resp: 3416217  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 40.6  
 88 15.8 0.0 32.4



#5  
 Dibromofluoromethane  
 Concen: 5.086 ug/l  
 RT: 7.57 min Scan# 1238  
 Delta R.T. -0.00 min  
 Lab File: VN058609.D  
 Acq: 8 Oct 2019 14:44

Tgt Ion:113 Resp: 1094678  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.5 123.7  
 192 18.4 14.9 22.3





#6

Toluene-d8

Concen: 5.025 ug/l

RT: 10.08 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VN058609.D

Acq: 8 Oct 2019 14:44

Instrument :

MSVOA\_N

ClientSampleId :

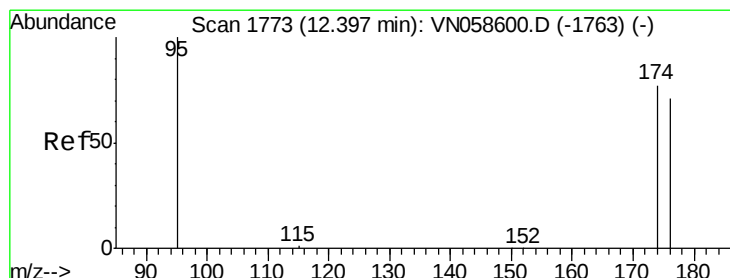
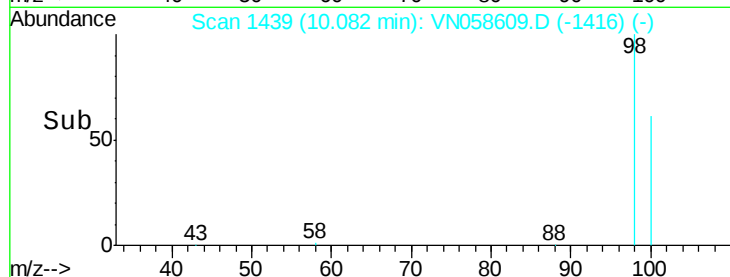
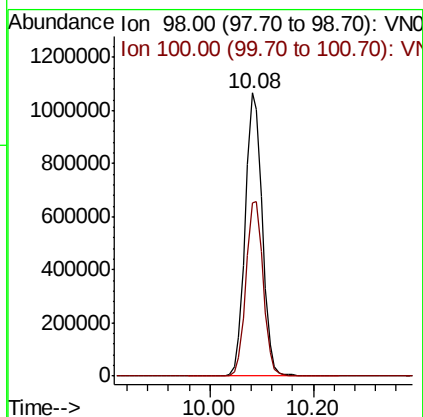
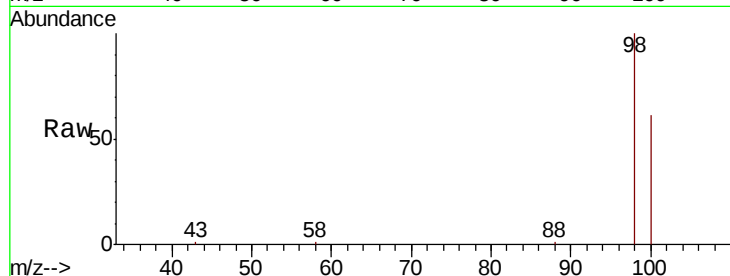
FA19-GMZ5-TB1

Tot Ion: 98 Resp: 2443430

Ion Ratio Lower Upper

98 100

100 61.3 49.4 74.2



#7

4-Bromofluorobenzene

Concen: 4.719 ug/l

RT: 12.40 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VN058609.D

Acq: 8 Oct 2019 14:44

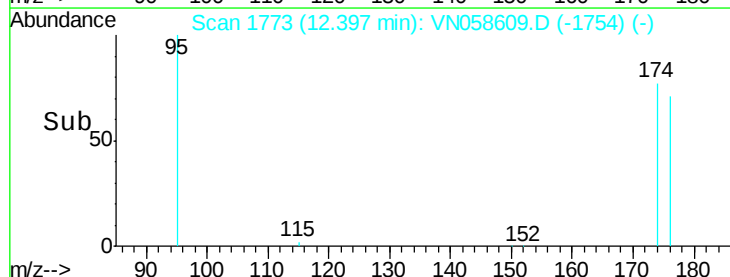
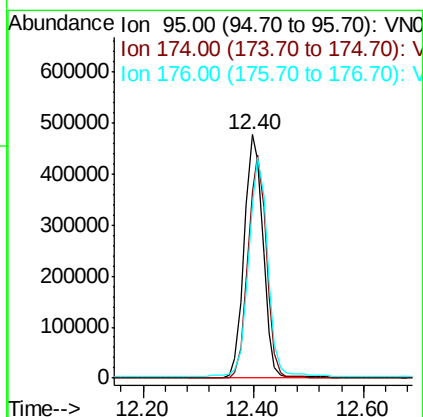
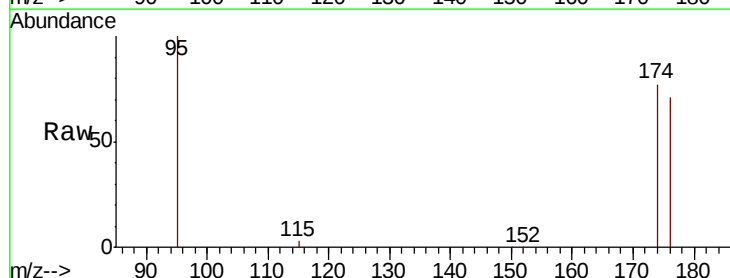
Tgt Ion: 95 Resp: 1124419

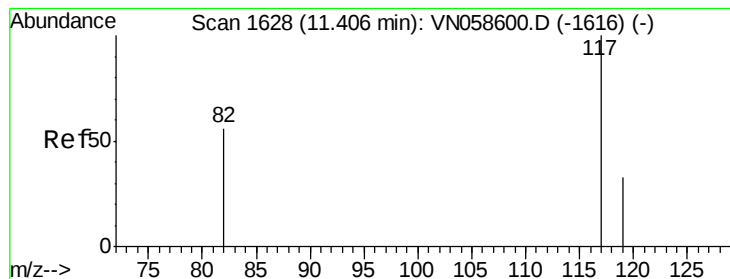
Ion Ratio Lower Upper

95 100

174 76.5 0.0 153.4

176 71.1 0.0 142.2





#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1629

Delta R.T. 0.01 min

Lab File: VN058609.D

Acq: 8 Oct 2019 14:44

Instrument :

MSVOA\_N

ClientSampleId :

FA19-GMZ5-TB1

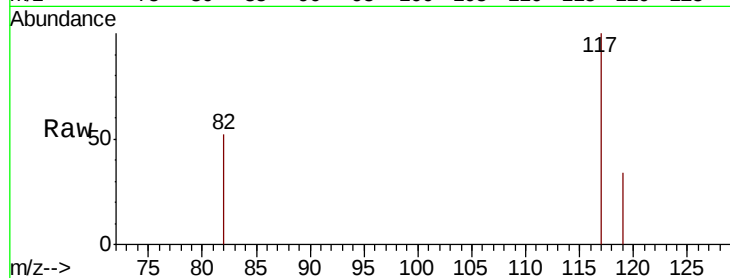
Tot Ion:117 Resp: 3008264

Ion Ratio Lower Upper

117 100

82 51.5 44.7 67.1

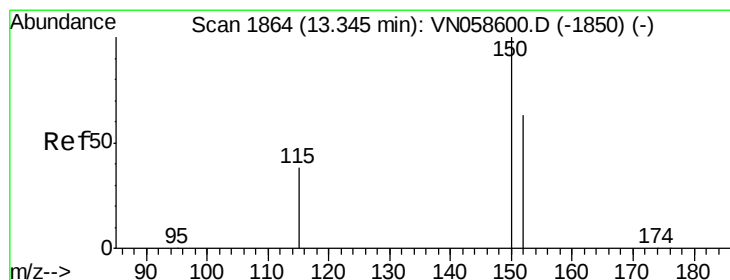
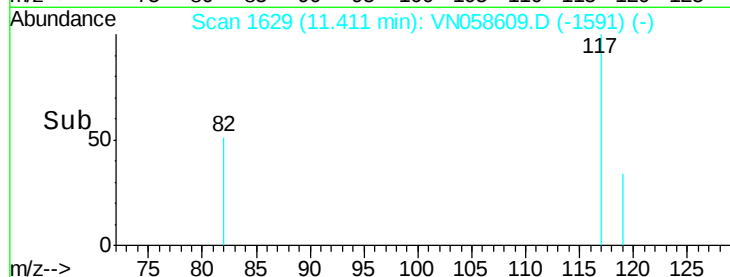
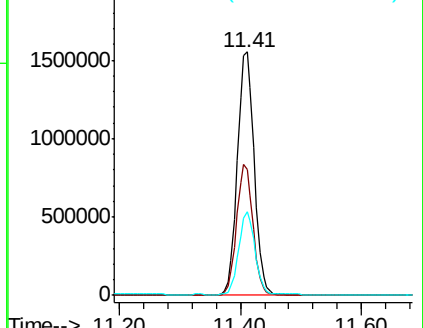
119 34.3 27.0 40.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V



#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.35 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN058609.D

Acq: 8 Oct 2019 14:44

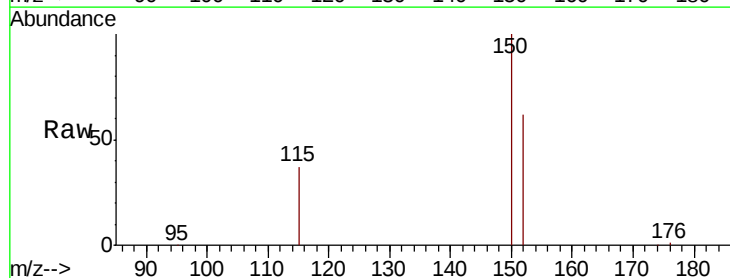
Tgt Ion:152 Resp: 1145585

Ion Ratio Lower Upper

152 100

115 59.3 29.9 89.8

150 160.8 0.0 315.8



Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V

