

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100819\  
 Data File : VN058615.D  
 Acq On : 8 Oct 2019 16:56  
 Operator : JC/SP  
 Sample : K5234-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FA19-JBW7106B

Quant Time: Oct 09 04:17:01 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     | 7.64  | 168  | 1995339  | 5.00 | ug/l  | -0.01    |
| 4) 1,4-Difluorobenzene    | 8.57  | 114  | 2979676  | 5.00 | ug/l  | 0.00     |
| 8) Chlorobenzene-d5       | 11.41 | 117  | 2649817  | 5.00 | ug/l  | 0.00     |
| 9) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 1004298  | 5.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                          |       |       |          |          |      |         |
|--------------------------|-------|-------|----------|----------|------|---------|
| 3) 1,2-Dichloroethane-d4 | 8.00  | 65    | 1241013  | 5.21     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 81 - 118 | Recovery | =    | 104.20% |
| 5) Dibromofluoromethane  | 7.57  | 113   | 952590   | 5.07     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 80 - 119 | Recovery | =    | 101.40% |
| 6) Toluene-d8            | 10.09 | 98    | 2139109  | 5.04     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 89 - 112 | Recovery | =    | 100.80% |
| 7) 4-Bromofluorobenzene  | 12.40 | 95    | 983862   | 4.73     | ug/l | 0.00    |
| Spiked Amount            | 5.000 | Range | 85 - 114 | Recovery | =    | 94.60%  |

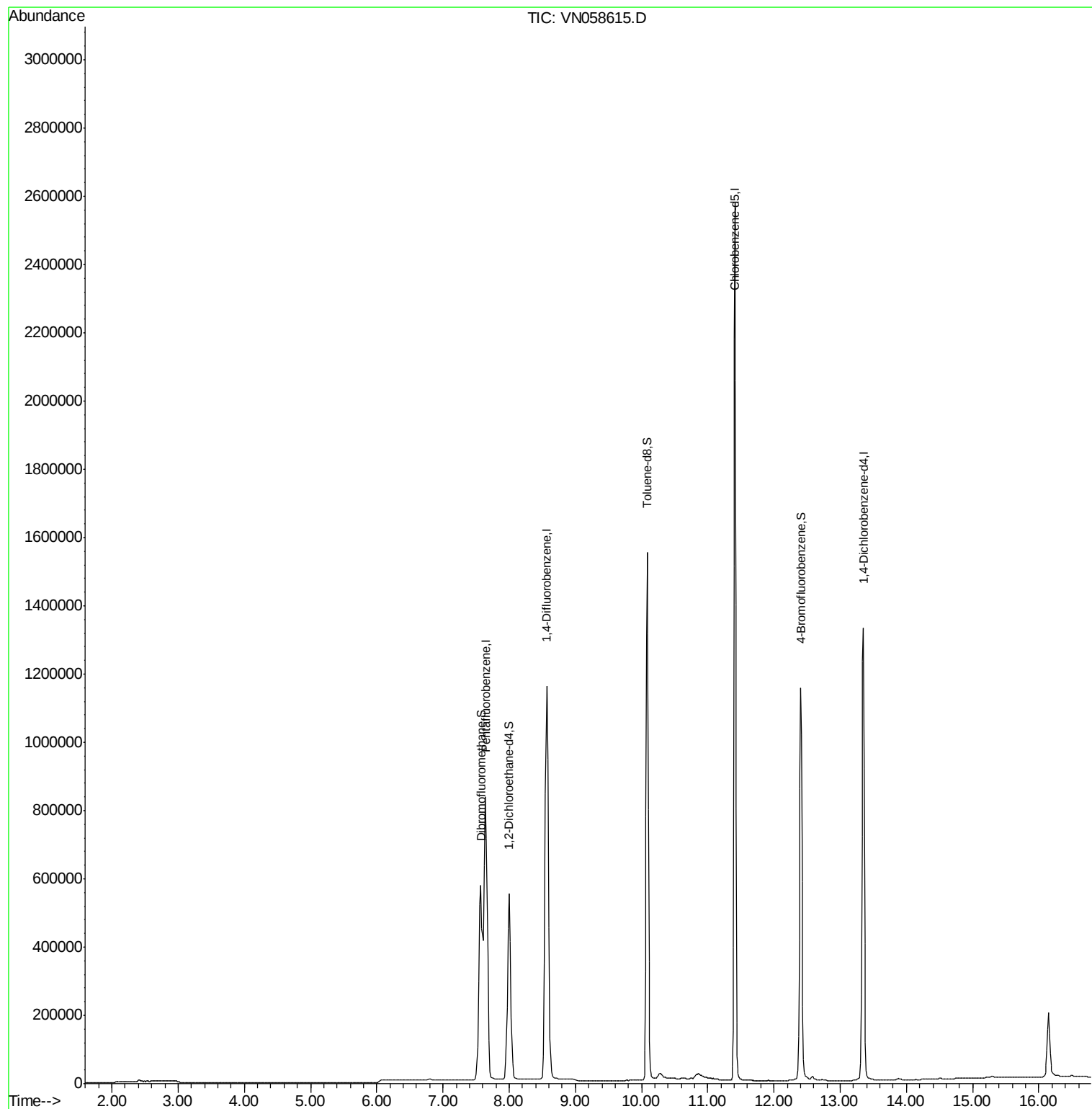
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

(#) = 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: 7.64 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

Instrument :

MSVOA\_N

ClientSampleId :

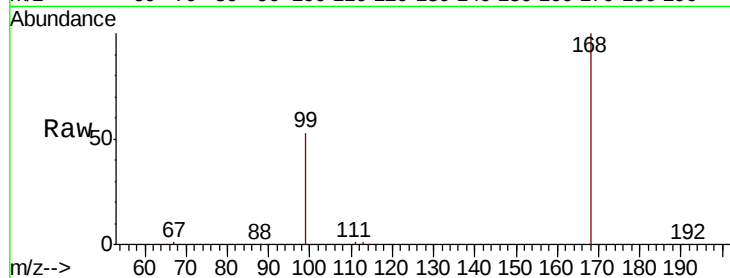
FA19-JBW7106B

Tot Ion:168 Resp: 1995339

Ion Ratio Lower Upper

168 100

99 52.7 36.8 55.2



Abundance Ion 168.00 (167.70 to 168.70): VN058615.D (-1226) (-)

Ion 99.00 (98.70 to 99.70): VN058615.D (-1226) (-)

7.64

600000

500000

400000

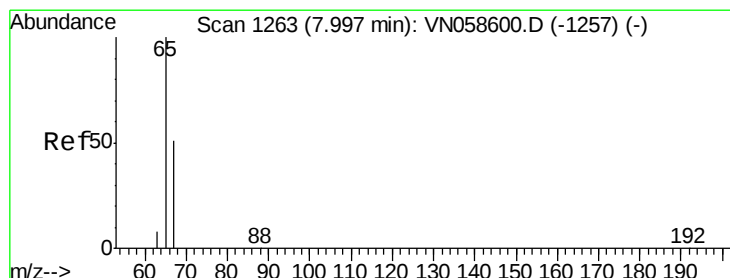
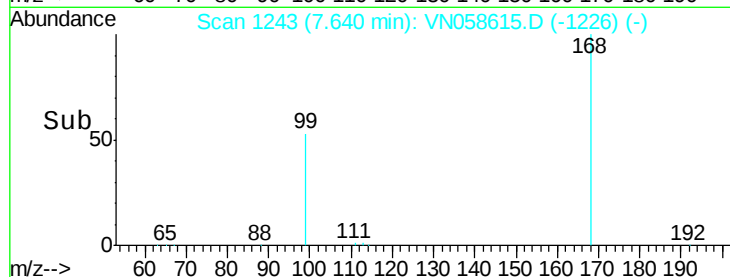
300000

200000

100000

0

Time--> 7.40 7.60 7.80 8.00



#3

1,2-Dichloroethane-d4

Concen: 5.206 ug/l

RT: 8.00 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN058615.D

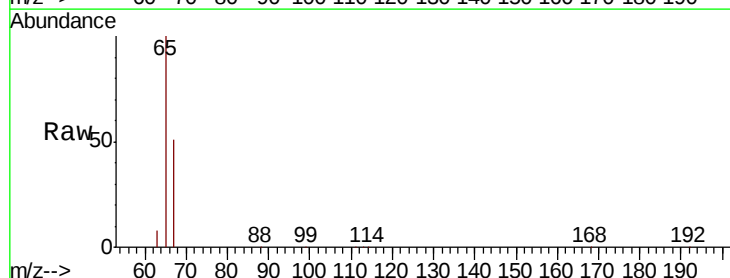
Acq: 8 Oct 2019 16:56

Tgt Ion: 65 Resp: 1241013

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.4



Abundance Ion 65.00 (64.70 to 65.70): VN058615.D (-1246) (-)

Ion 67.00 (66.70 to 67.70): VN058615.D (-1246) (-)

8.00

400000

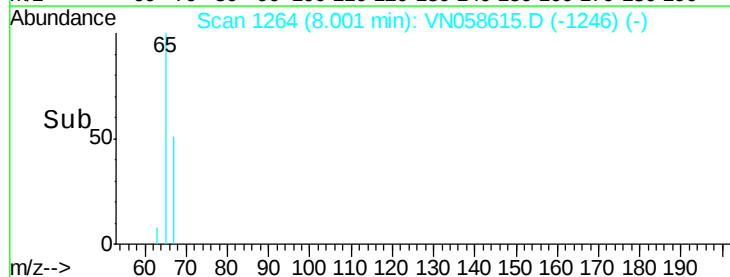
300000

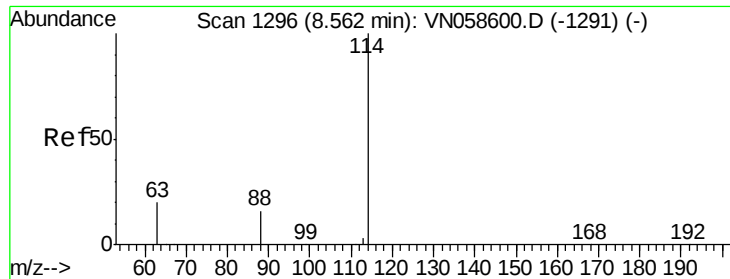
200000

100000

0

Time--> 7.80 8.00 8.20





#4

1,4-Difluorobenzene

Concen: 5.000 ug/l

RT: 8.57 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

Instrument :

MSVOA\_N

ClientSampleId :

FA19-JBW7106B

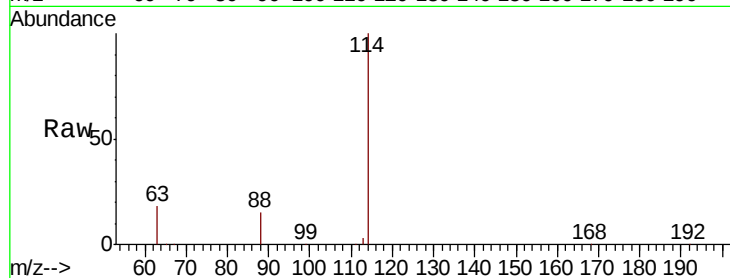
Tot Ion:114 Resp: 2979676

Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.6

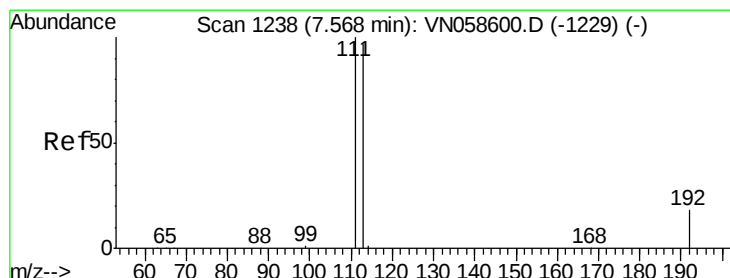
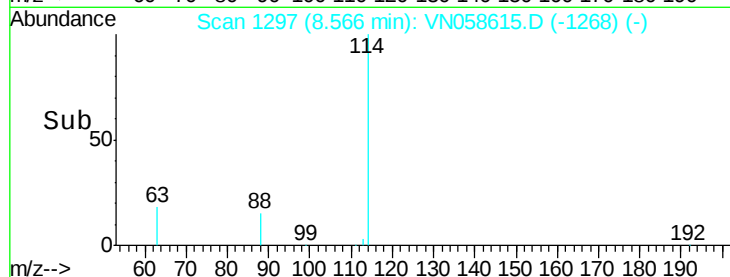
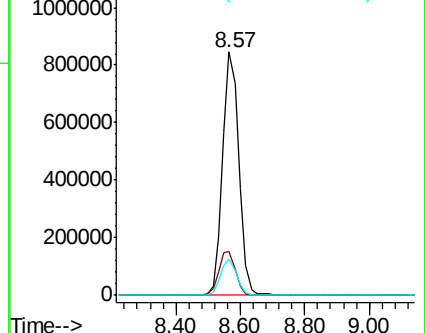
88 14.7 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VNO

Ion 88.00 (87.70 to 88.70): VNO



#5

Dibromofluoromethane

Concen: 5.075 ug/l

RT: 7.57 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

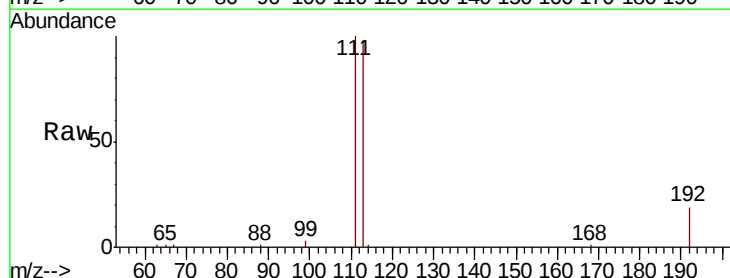
Tgt Ion:113 Resp: 952590

Ion Ratio Lower Upper

113 100

111 101.8 82.5 123.7

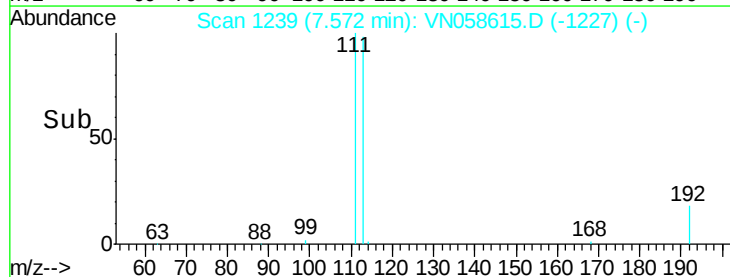
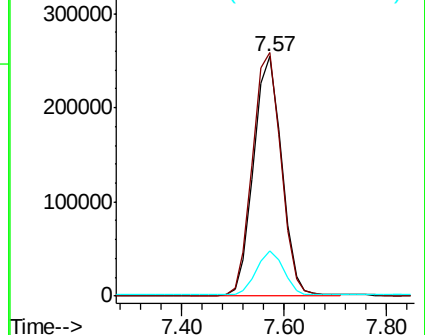
192 19.0 14.9 22.3

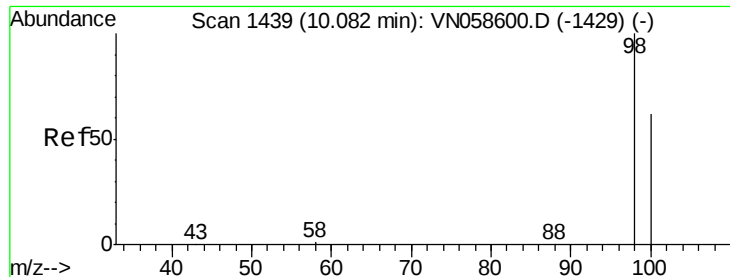


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#6

Toluene-d8

Concen: 5.043 ug/l

RT: 10.09 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

Instrument :

MSVOA\_N

ClientSampleId :

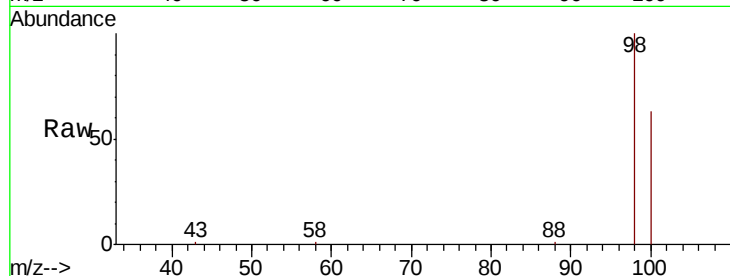
FA19-JBW7106B

Tot Ion: 98 Resp: 2139109

Ion Ratio Lower Upper

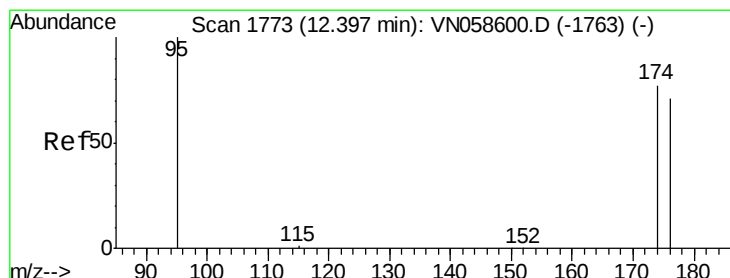
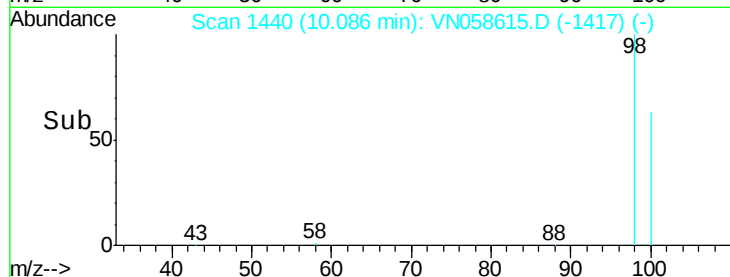
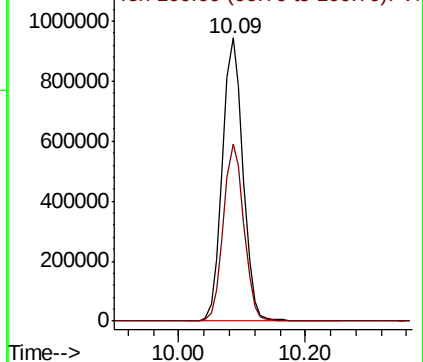
98 100

100 62.7 49.4 74.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#7

4-Bromofluorobenzene

Concen: 4.734 ug/l

RT: 12.40 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

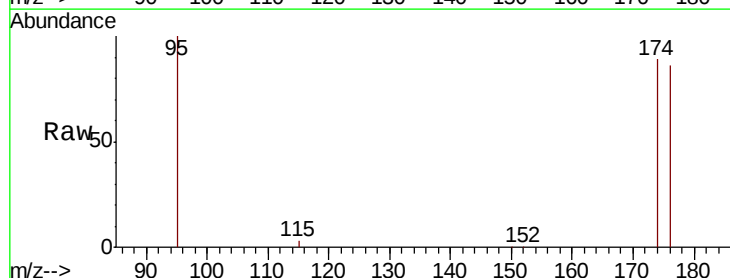
Tgt Ion: 95 Resp: 983862

Ion Ratio Lower Upper

95 100

174 89.2 0.0 153.4

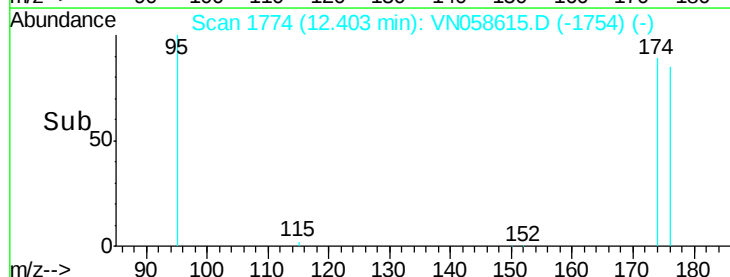
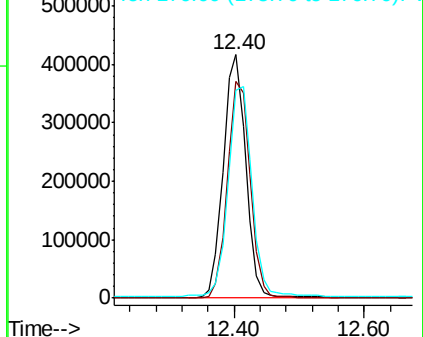
176 85.5 0.0 142.2

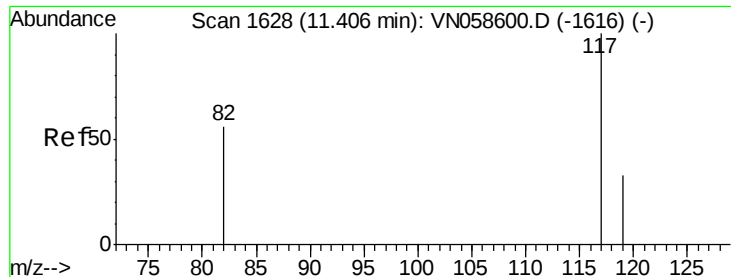


Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#8

Chlorobenzene-d5

Concen: 5.000 ug/l

RT: 11.41 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

Instrument :

MSVOA\_N

ClientSampleId :

FA19-JBW7106B

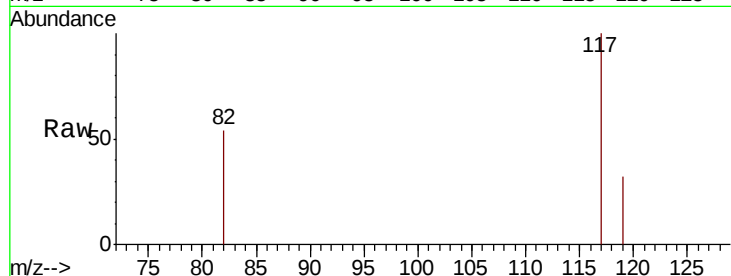
Tot Ion:117 Resp: 2649817

Ion Ratio Lower Upper

117 100

82 53.7 44.7 67.1

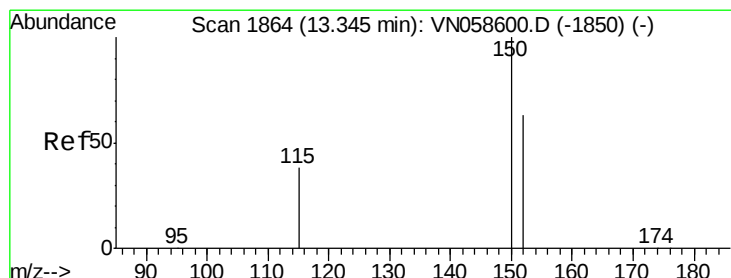
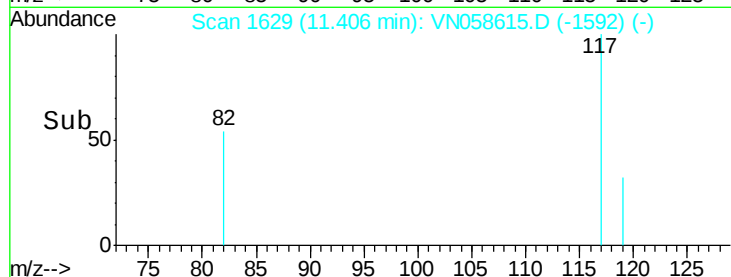
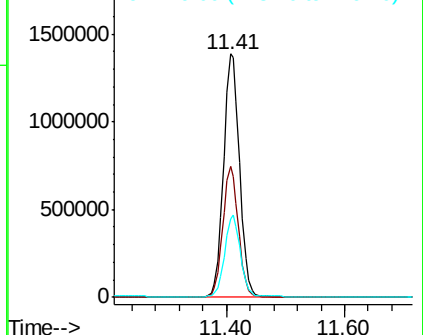
119 32.3 27.0 40.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V



#9

1,4-Dichlorobenzene-d4

Concen: 5.000 ug/l

RT: 13.35 min Scan# 1865

Delta R.T. 0.01 min

Lab File: VN058615.D

Acq: 8 Oct 2019 16:56

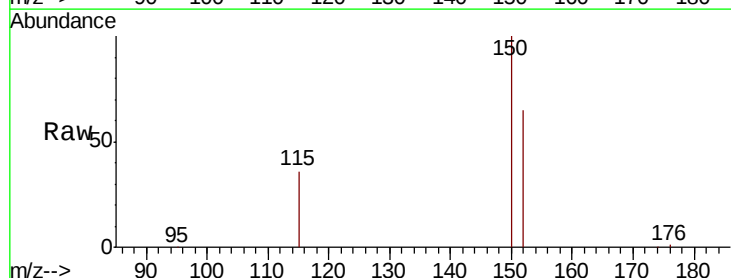
Tgt Ion:152 Resp: 1004298

Ion Ratio Lower Upper

152 100

115 55.0 29.9 89.8

150 154.3 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

