

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\  
 Data File : VN057360.D  
 Acq On : 16 Aug 2019 17:58  
 Operator : JC/SP  
 Sample : VN0818WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0818WBL01

Quant Time: Aug 17 03:57:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 15 11:33:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1128238  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1576625  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1305980  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 341537   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.02   | 65  | 510219   | 41.60 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 83.20% |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 470392   | 45.51 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.02% |      |
| 50) Toluene-d8              | 10.09  | 98  | 1798871  | 47.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.18% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 485955   | 36.38 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 72.76% |      |

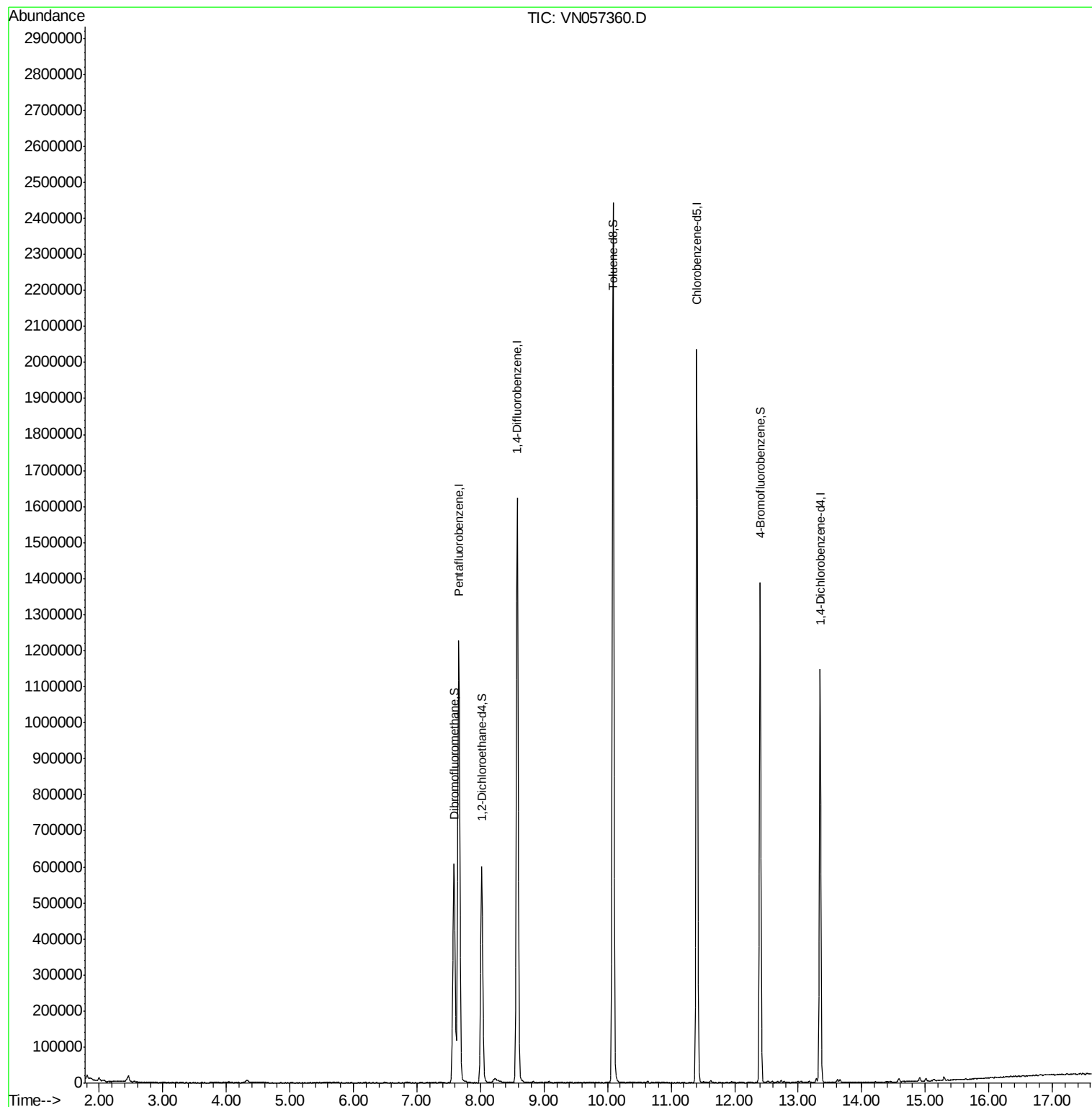
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

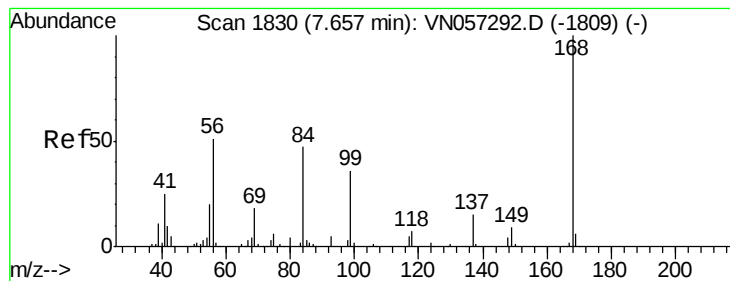
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081819\  
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MSVOA\_N  
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VN0818WBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081519W.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 15 11:33:14 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057360.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA\_N

ClientSampled :

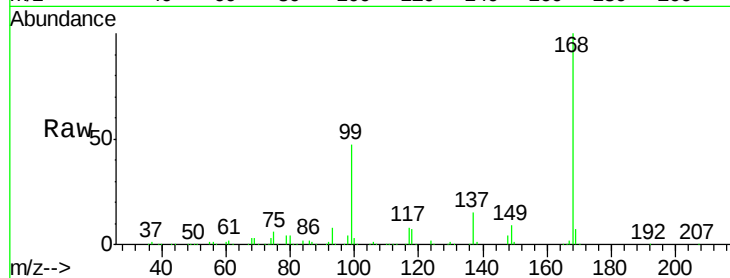
VN0818WBL01

Tot Ion:168 Resp: 1128238

Ion Ratio Lower Upper

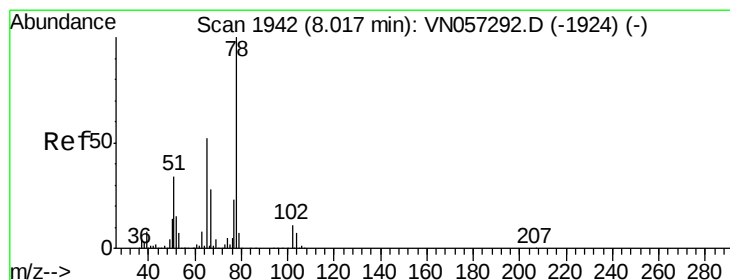
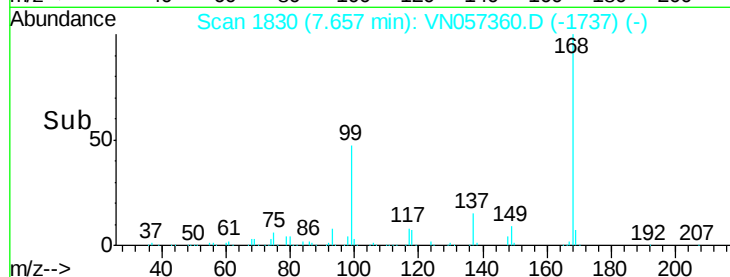
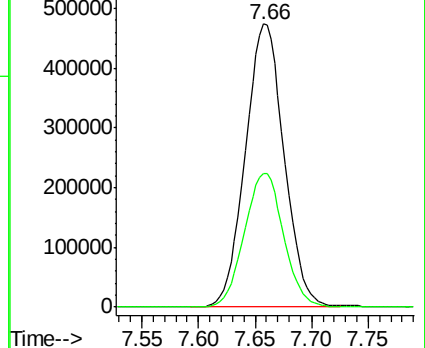
168 100

99 47.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 41.599 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN057360.D

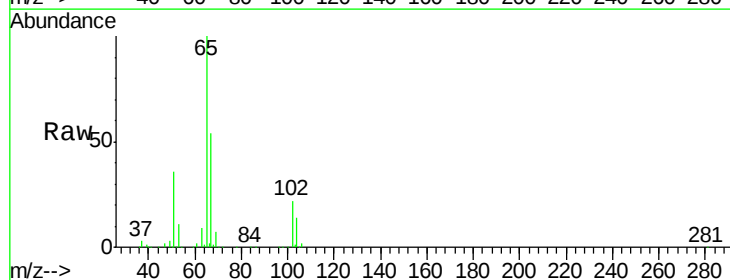
Acq: 16 Aug 2019 17:58

Tgt Ion: 65 Resp: 510219

Ion Ratio Lower Upper

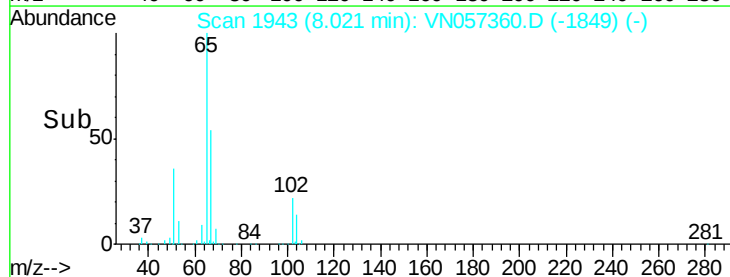
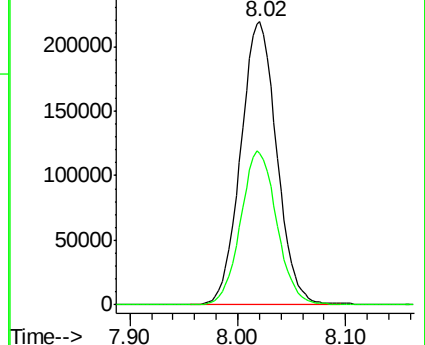
65 100

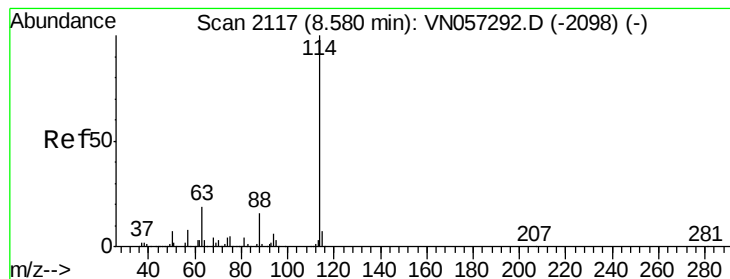
67 54.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VN057360.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0818WBL01

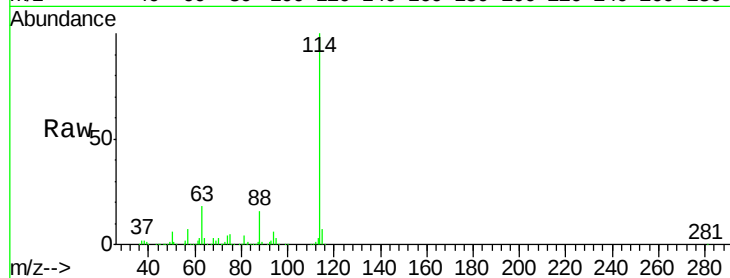
Tot Ion:114 Resp: 1576625

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.8

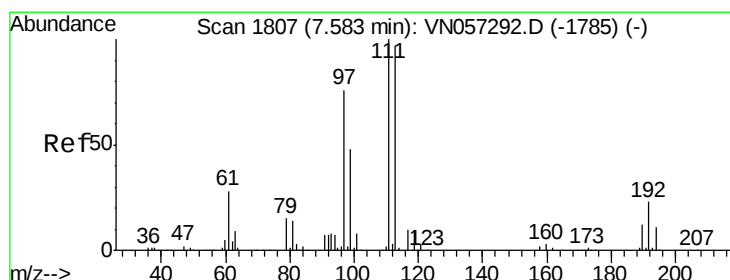
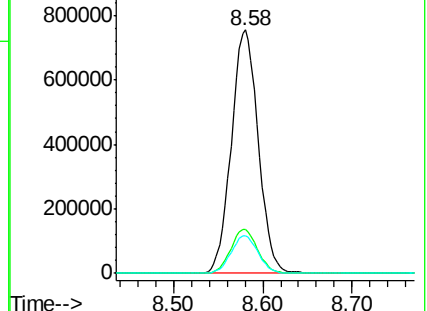
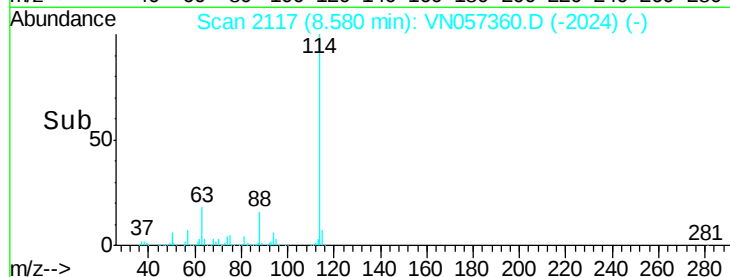
88 15.6 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 45.514 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057360.D

Acq: 16 Aug 2019 17:58

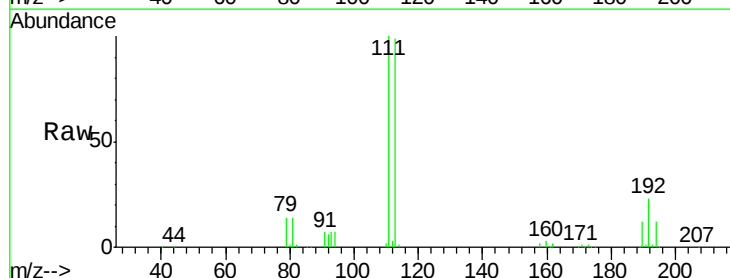
Tgt Ion:113 Resp: 470392

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

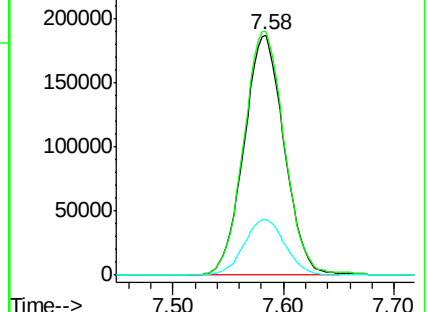
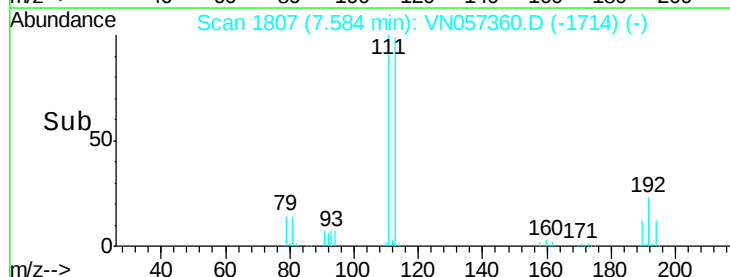
192 23.8 19.3 28.9

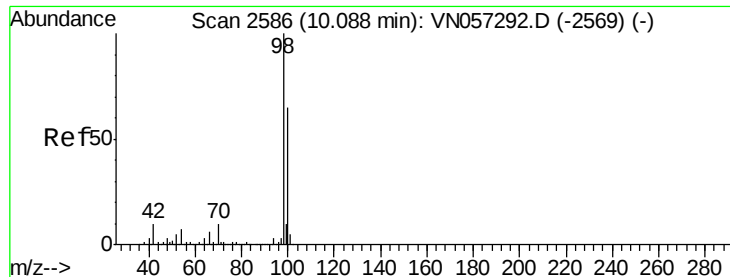


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.588 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057360.D

Acq: 16 Aug 2019 17:58

Instrument :

MSVOA\_N

ClientSampled :

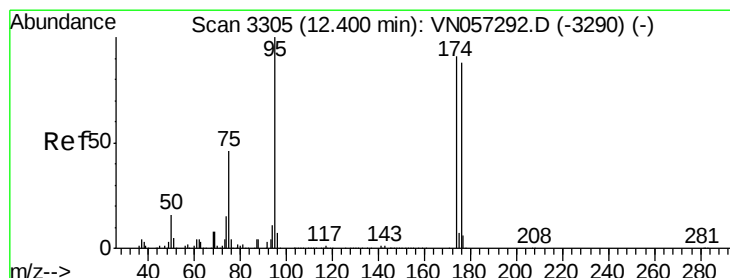
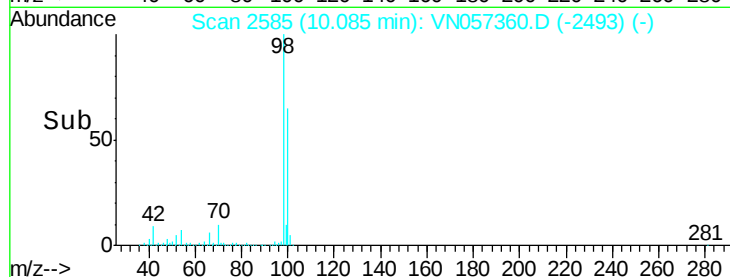
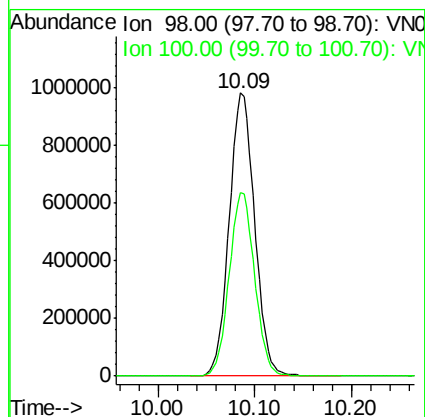
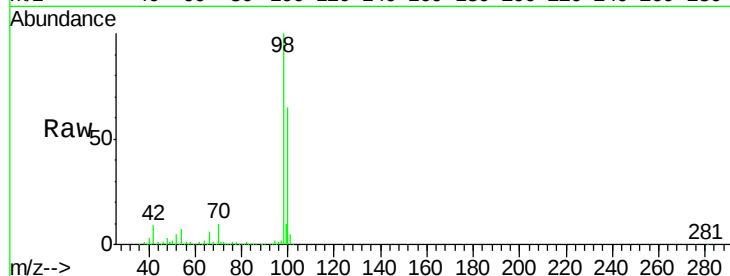
VN0818WBL01

Tot Ion: 98 Resp: 1798871

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 36.378 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057360.D

Acq: 16 Aug 2019 17:58

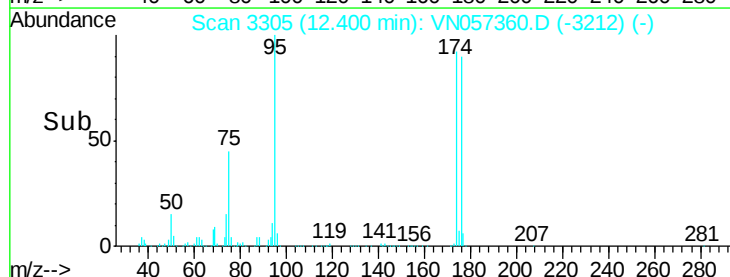
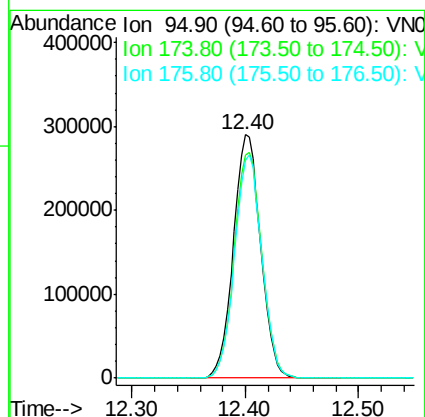
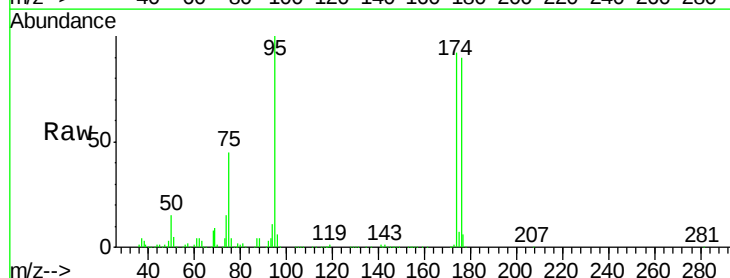
Tgt Ion: 95 Resp: 485955

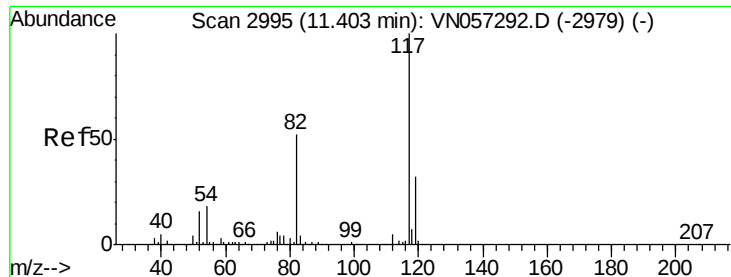
Ion Ratio Lower Upper

95 100

174 94.1 0.0 185.0

176 91.7 0.0 181.0

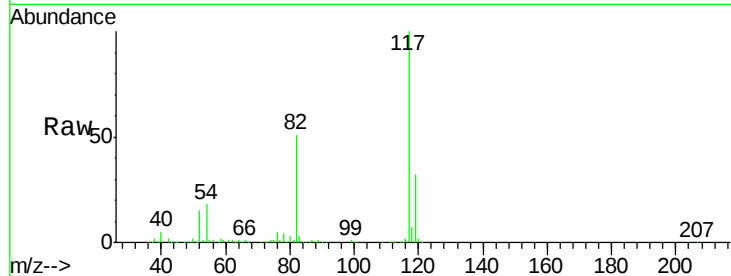




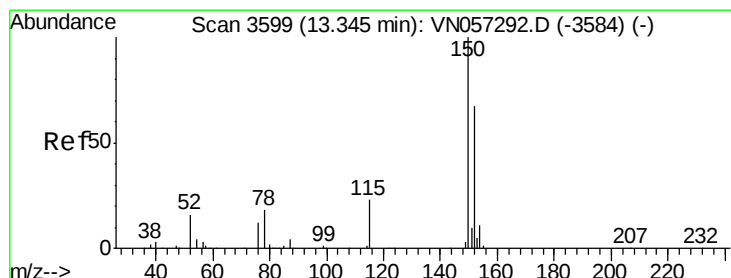
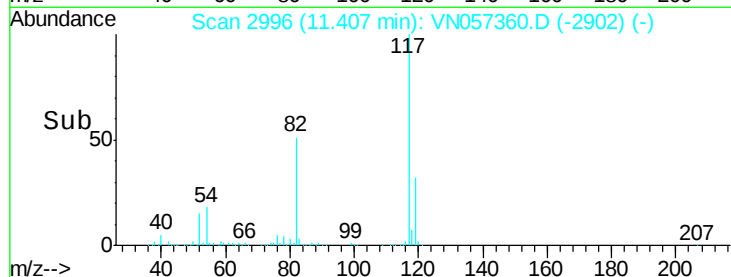
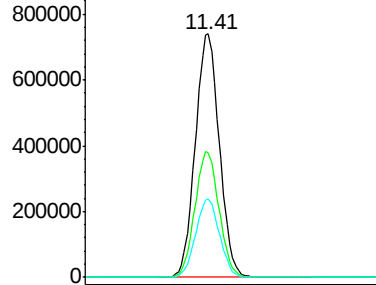
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN057360.D  
Acq: 16 Aug 2019 17:58

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0818WBL01

Tot Ion:117 Resp: 1305980  
Ion Ratio Lower Upper  
117 100  
82 51.2 41.2 61.8  
119 32.1 25.8 38.8

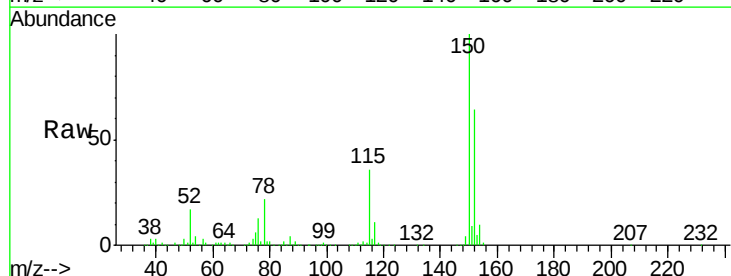


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN057360.D  
Acq: 16 Aug 2019 17:58

Tgt Ion:152 Resp: 341537  
Ion Ratio Lower Upper  
152 100  
115 54.5 27.3 81.9  
150 155.7 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

