

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121119\  
 Data File : VN059555.D  
 Acq On : 11 Dec 2019 12:08  
 Operator : JC/SP  
 Sample : VN1211MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1211MBL01

Quant Time: Dec 12 01:02:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N120919W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 10 01:09:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 255590   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 412147   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 357590   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 133245   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 179274   | 50.19 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 100.38% |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 130070   | 52.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 105.78% |          |
| 50) Toluene-d8              | 10.08 | 98   | 508238   | 50.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 101.24% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 159628   | 42.95 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 85.90%  |          |

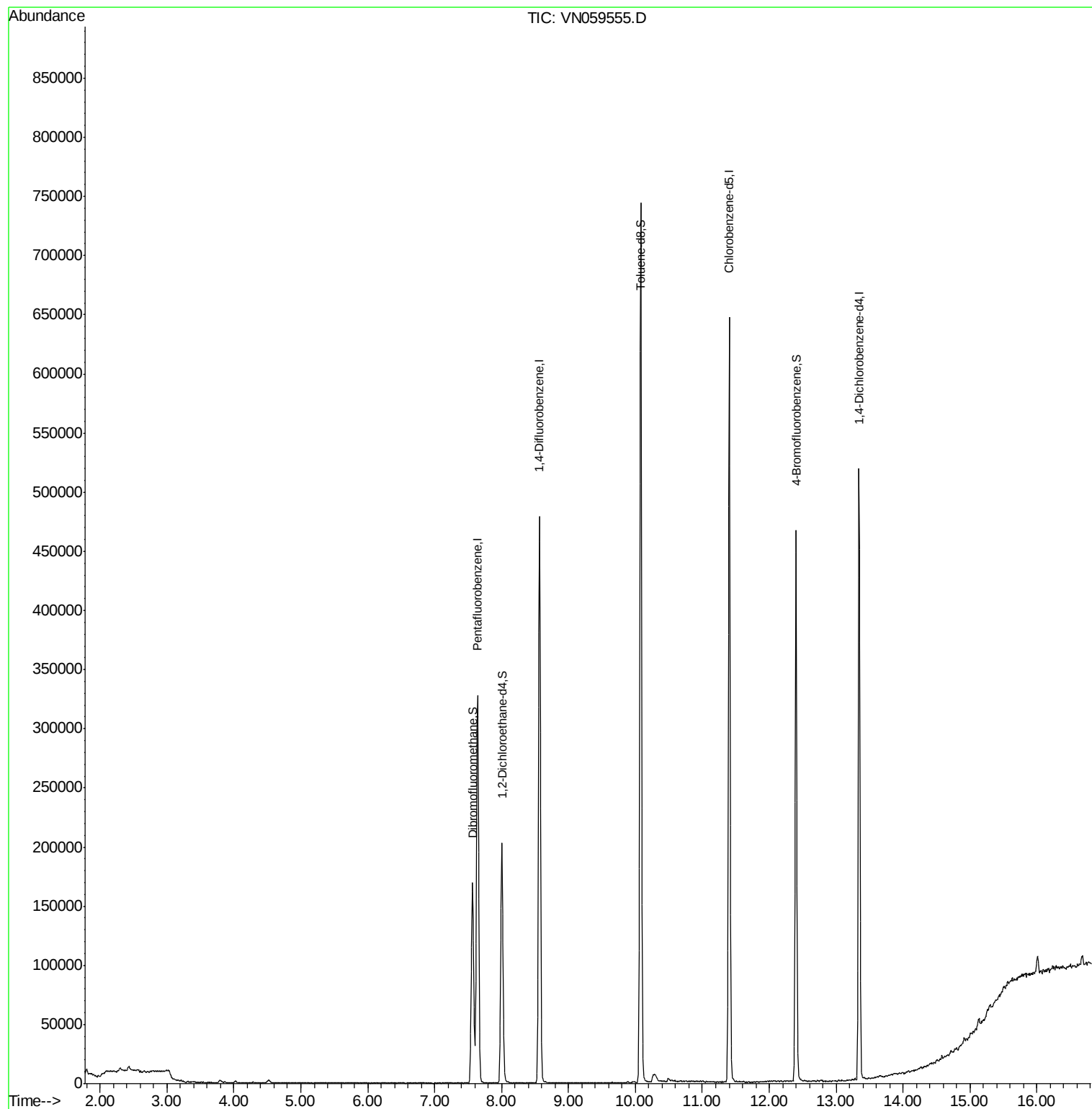
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

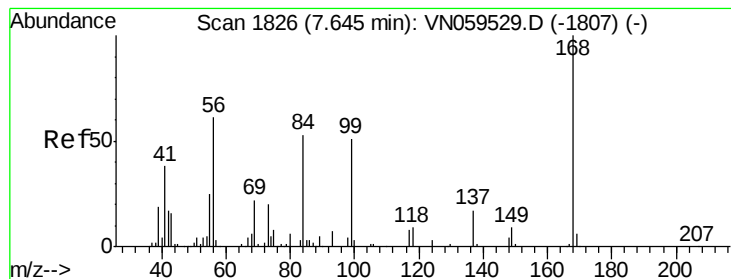
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN121119\  
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MSVOA\_N  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N120919W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 10 01:09:52 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA\_N

ClientSampleId :

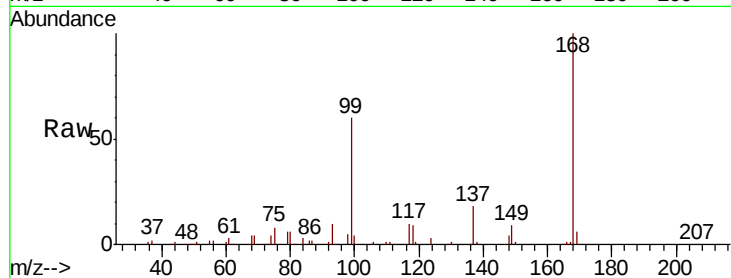
VN1211MBL01

Tot Ion:168 Resp: 255590

Ion Ratio Lower Upper

168 100

99 59.8 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

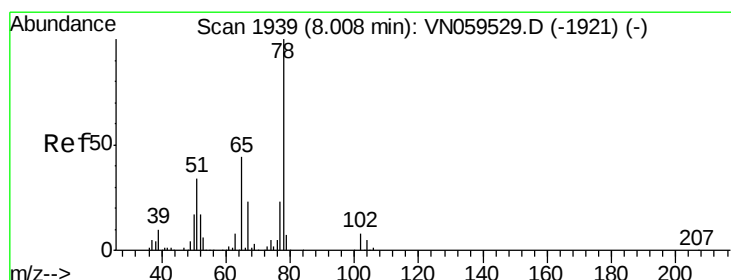
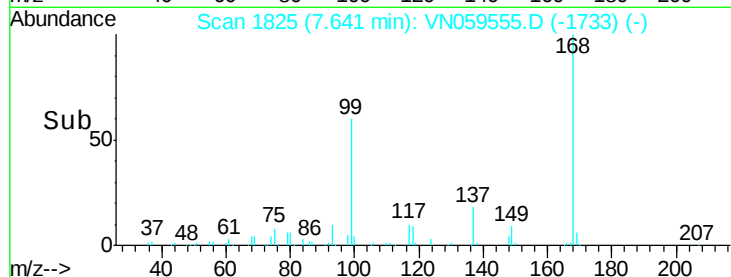
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 50.186 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059555.D

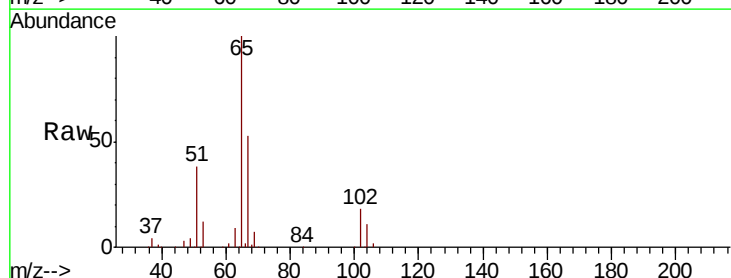
Acq: 11 Dec 2019 12:08

Tgt Ion: 65 Resp: 179274

Ion Ratio Lower Upper

65 100

67 52.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.00

80000

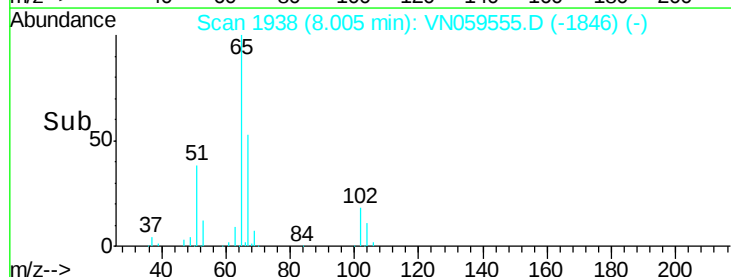
60000

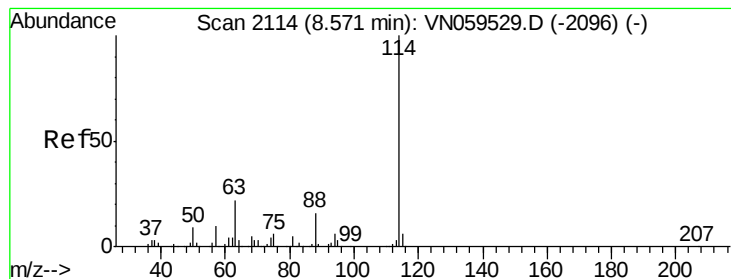
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA\_N

ClientSampleId :

VN1211MBL01

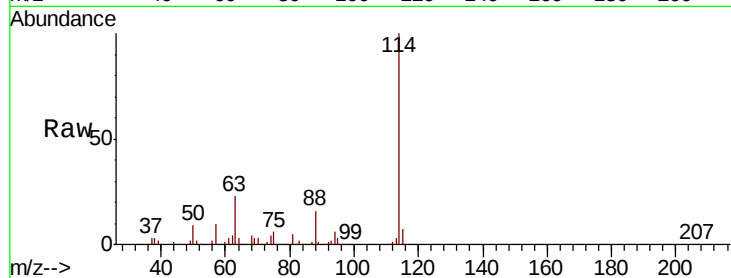
Tot Ion:114 Resp: 412147

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

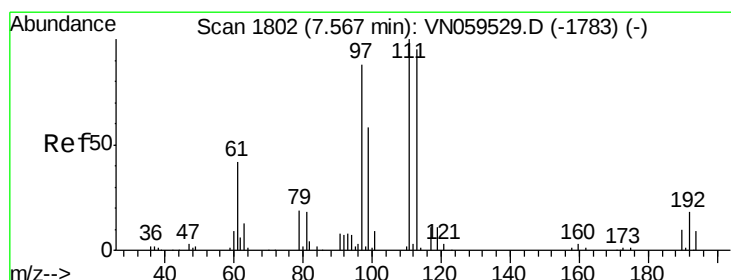
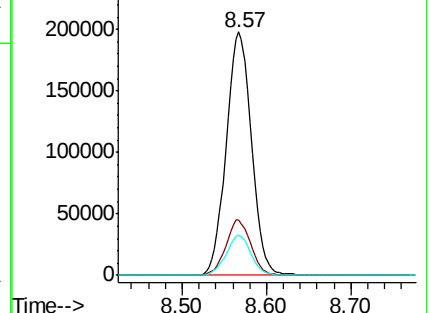
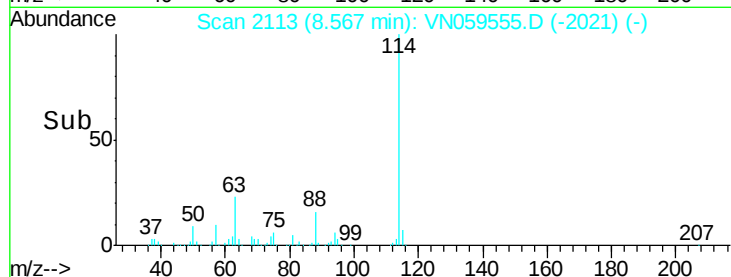
88 16.4 0.0 32.2



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



#35

Dibromofluoromethane

Concen: 52.886 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

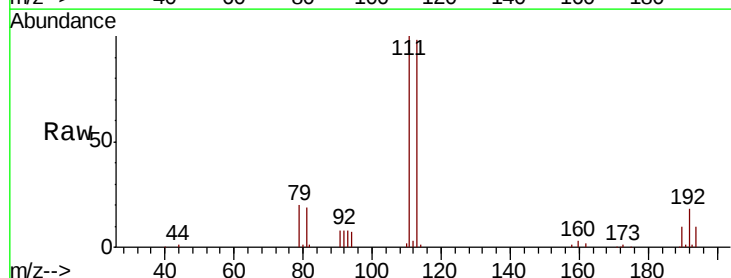
Tgt Ion:113 Resp: 130070

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

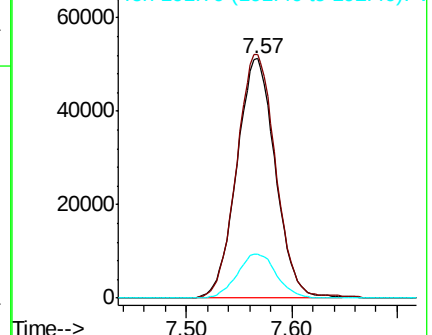
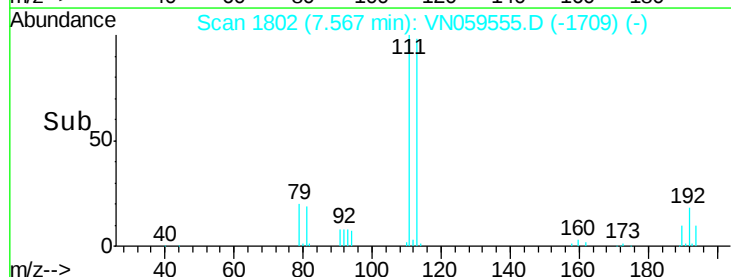
192 18.7 14.8 22.2

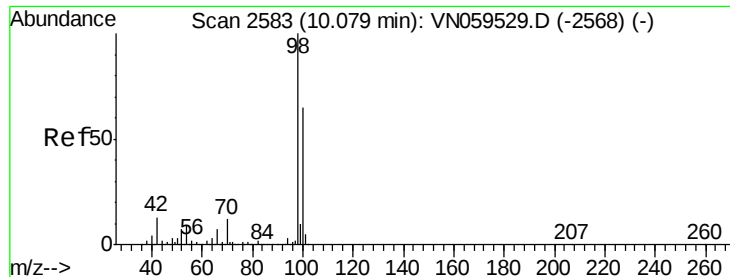


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.617 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

Instrument :

MSVOA\_N

ClientSampleId :

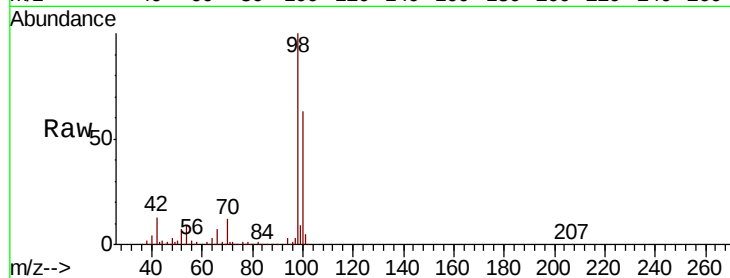
VN1211MBL01

Tot Ion: 98 Resp: 508238

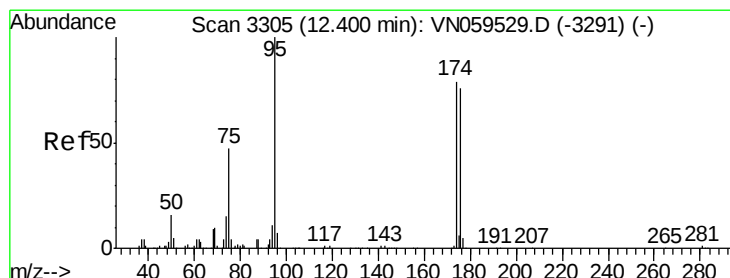
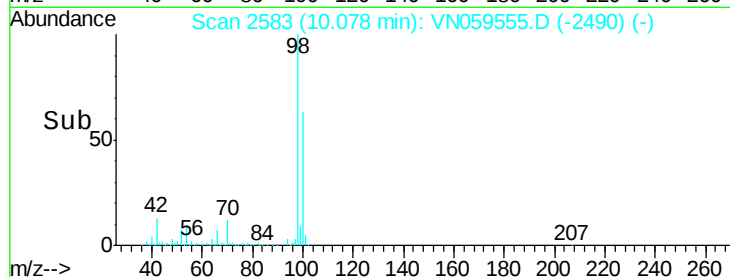
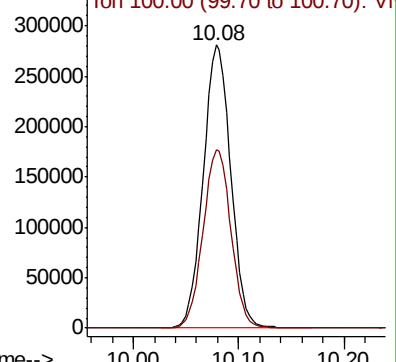
Ion Ratio Lower Upper

98 100

100 63.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN059529.D (-2568) (-)



#62

4-Bromofluorobenzene

Concen: 42.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059555.D

Acq: 11 Dec 2019 12:08

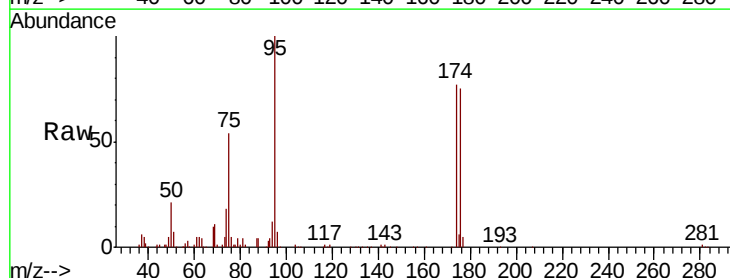
Tgt Ion: 95 Resp: 159628

Ion Ratio Lower Upper

95 100

174 76.9 0.0 158.0

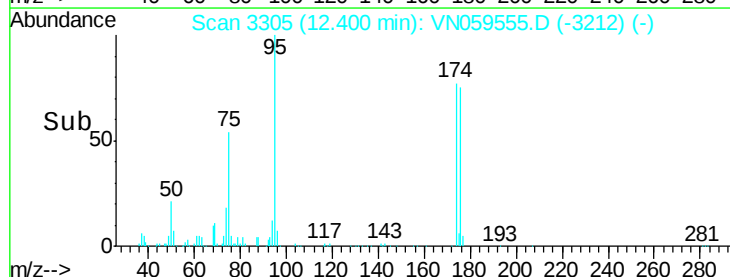
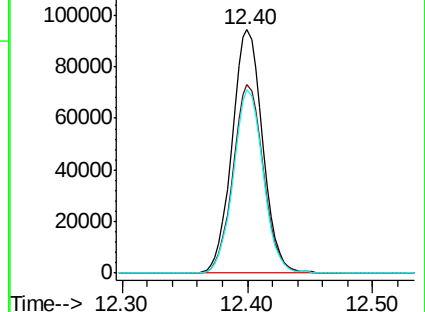
176 73.6 0.0 155.4

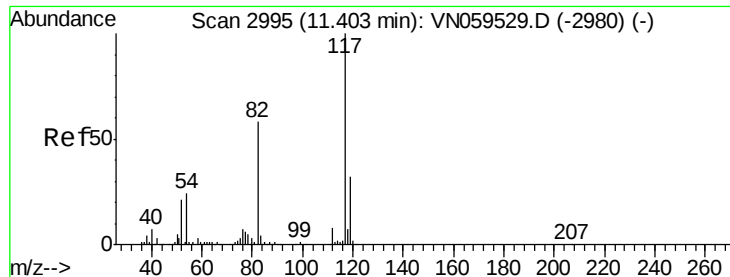


Abundance Ion 94.90 (94.60 to 95.60): VN059529.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059529.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059529.D (-3291) (-)

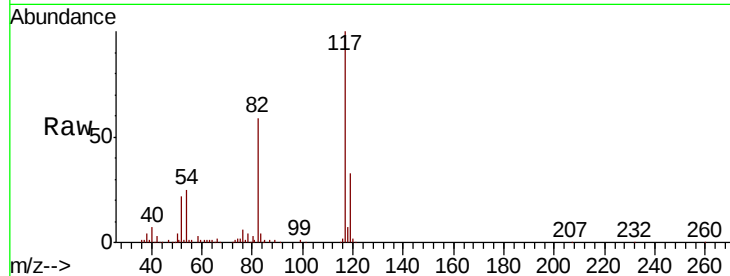




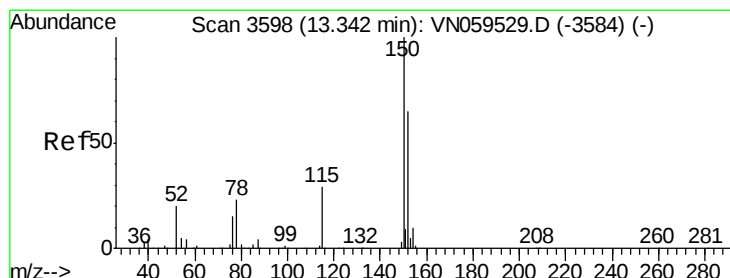
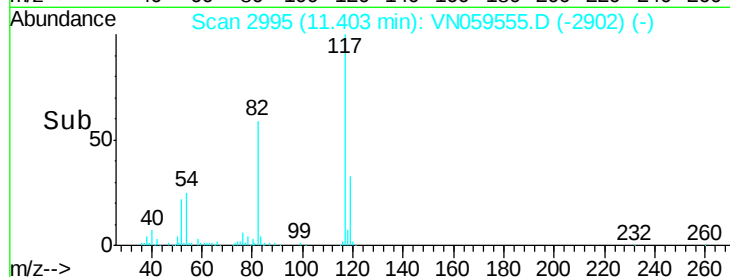
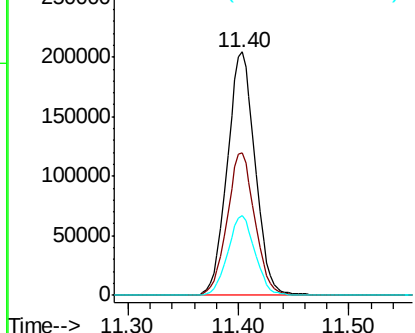
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059555.D  
Acq: 11 Dec 2019 12:08

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN1211MBL01

Tot Ion:117 Resp: 357590  
Ion Ratio Lower Upper  
117 100  
82 58.7 46.5 69.7  
119 32.6 25.2 37.8

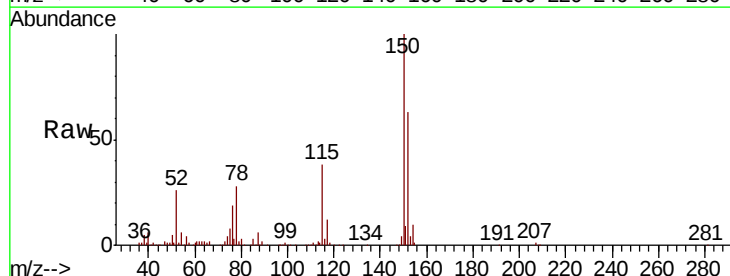


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN059555.D  
Acq: 11 Dec 2019 12:08

Tgt Ion:152 Resp: 133245  
Ion Ratio Lower Upper  
152 100  
115 61.5 29.4 88.2  
150 157.3 0.0 342.4



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

