

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\  
 Data File : VN057634.D  
 Acq On : 1 Sep 2019 10:58  
 Operator : JC/SP  
 Sample : VN0902MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0902MBL01

Quant Time: Sep 02 02:04:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N090119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Aug 31 15:54:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.65  | 168  | 340726   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 584664   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 480151   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 125123   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 286396   | 37.21 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 74.42% |      |
| 35) Dibromofluoromethane    | 7.58   | 113 | 183073   | 35.86 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 71.72% |      |
| 50) Toluene-d8              | 10.08  | 98  | 727174   | 37.10 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 74.20% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 206122   | 27.65 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 55.30% |      |

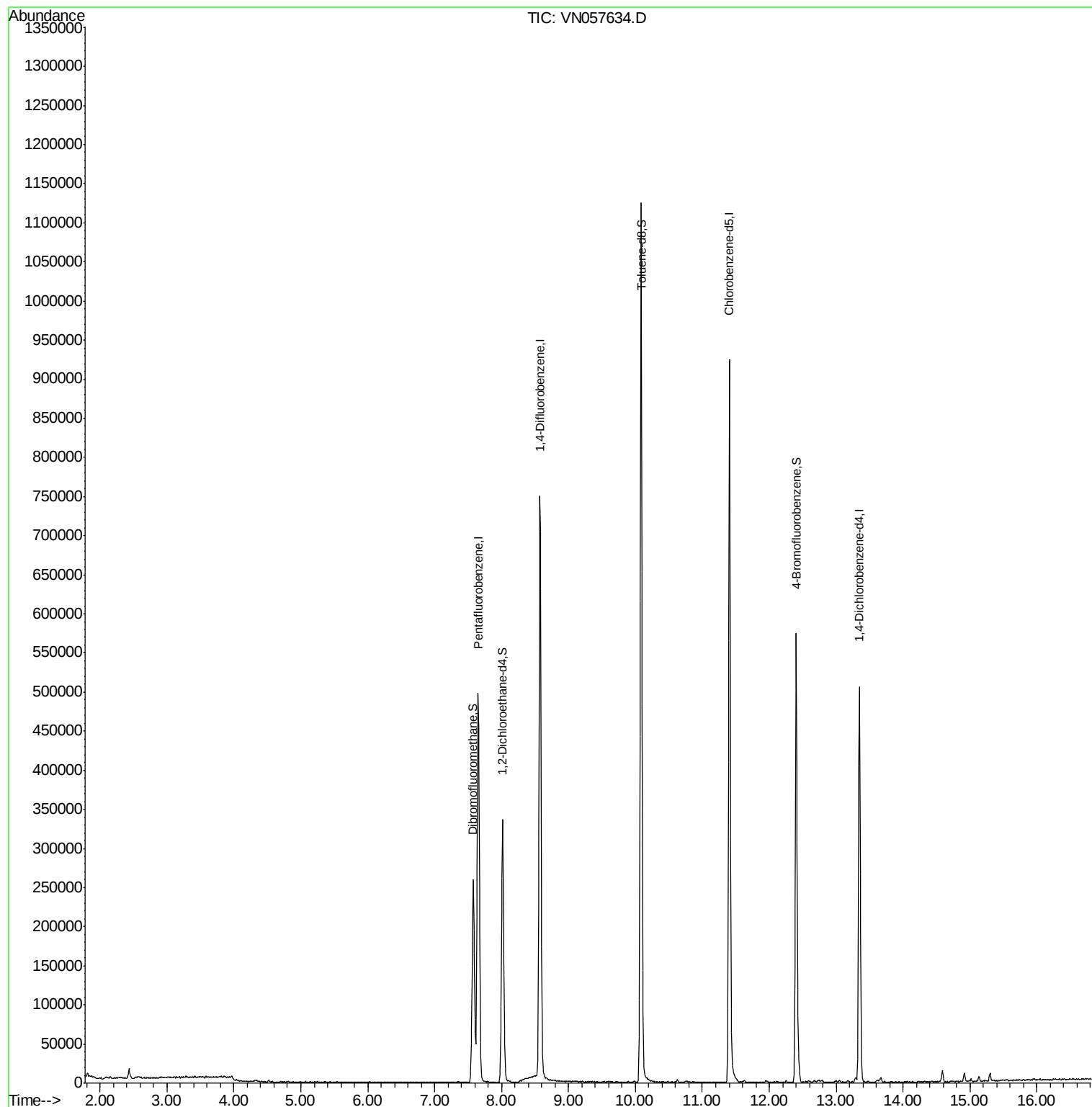
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

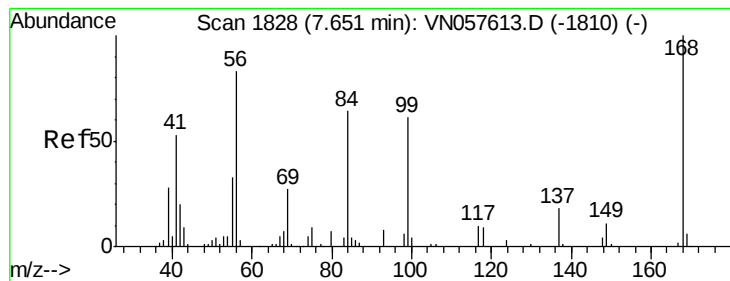
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 31 15:54:32 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA\_N

ClientSampleId :

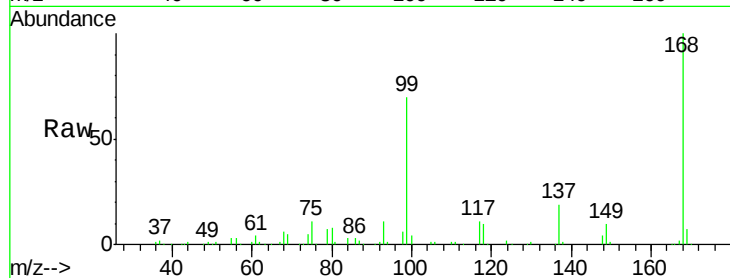
VN0902MBL01

Tot Ion:168 Resp: 340726

Ion Ratio Lower Upper

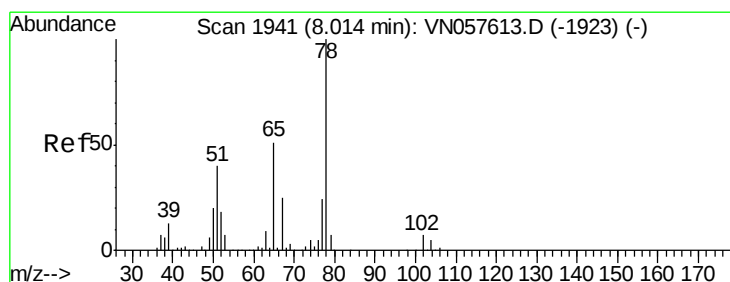
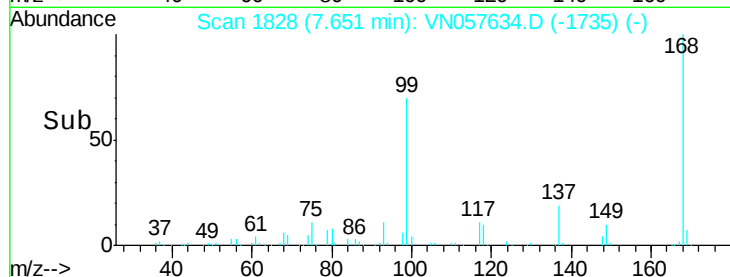
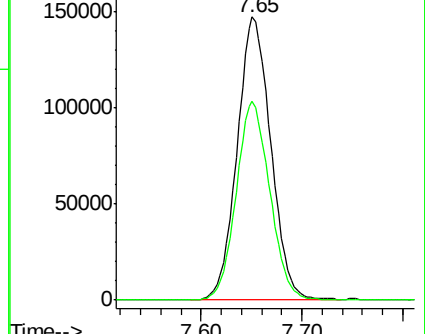
168 100

99 70.3 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 37.209 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057634.D

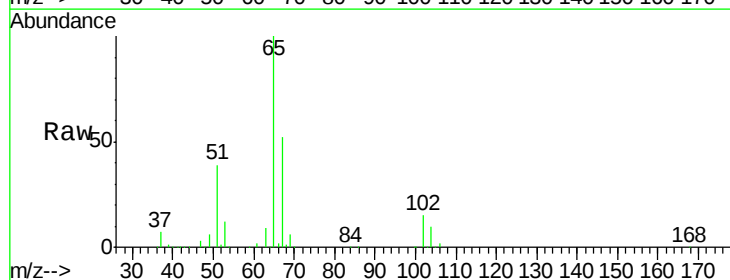
Acq: 1 Sep 2019 10:58

Tgt Ion: 65 Resp: 286396

Ion Ratio Lower Upper

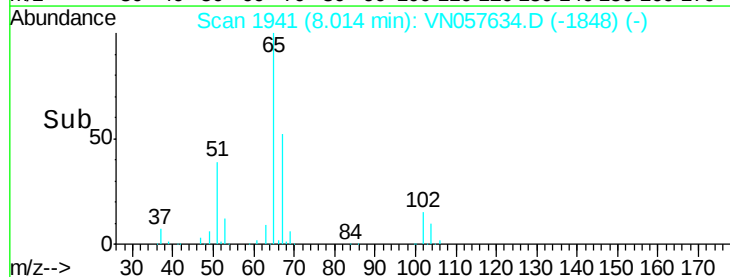
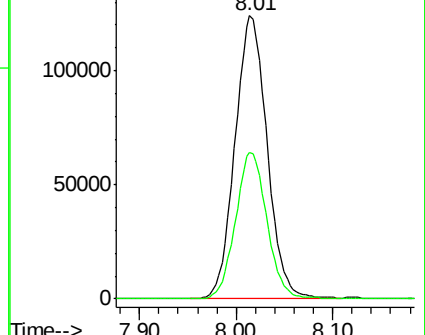
65 100

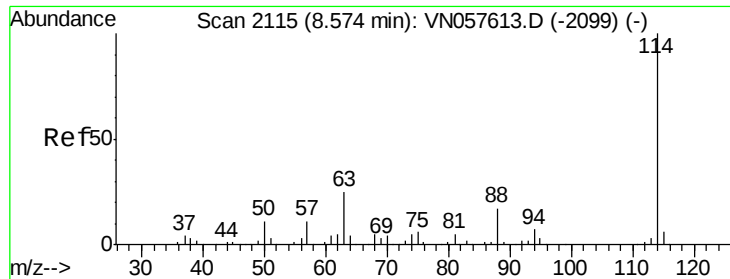
67 50.7 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

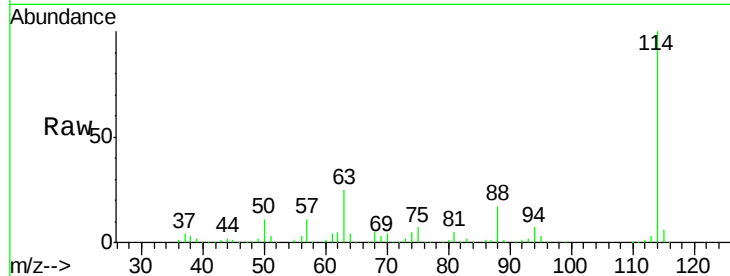




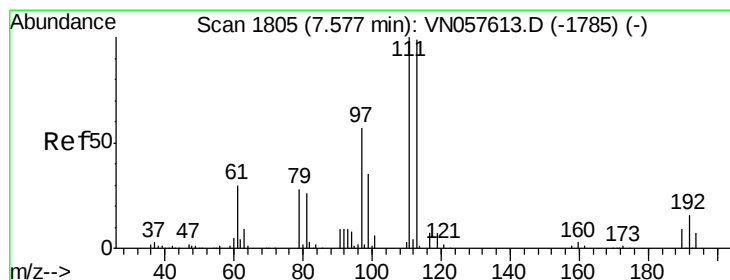
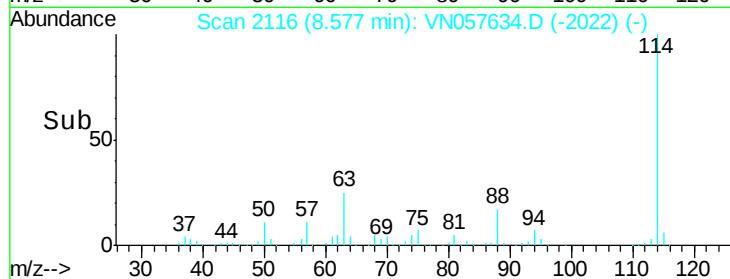
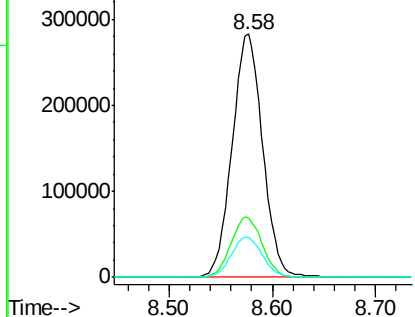
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2116  
 Delta R.T. 0.00 min  
 Lab File: VN057634.D  
 Acq: 1 Sep 2019 10:58

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0902MBL01

Tot Ion:114 Resp: 584664  
 Ion Ratio Lower Upper  
 114 100  
 63 24.5 0.0 49.0  
 88 16.5 0.0 33.0

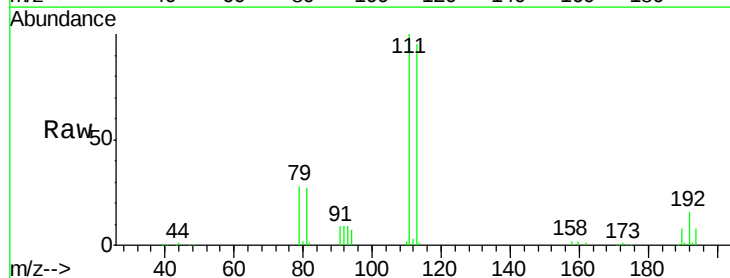


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): V  
 Ion 87.90 (87.60 to 88.60): V

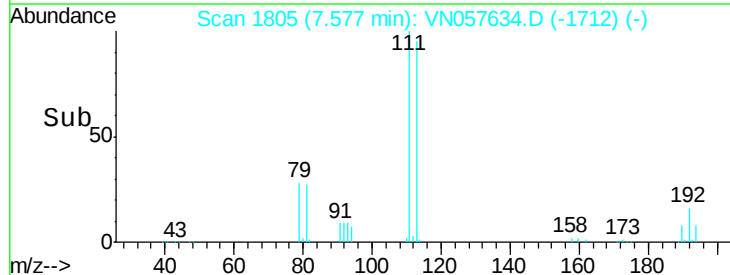
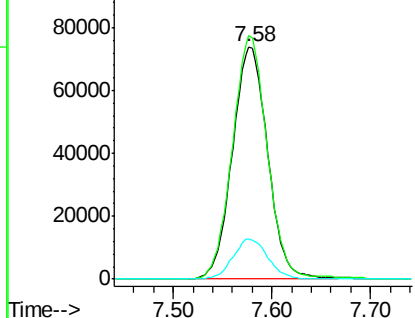


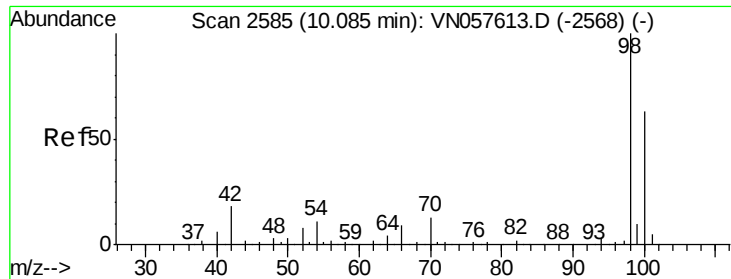
#35  
 Dibromofluoromethane  
 Concen: 35.856 ug/l  
 RT: 7.58 min Scan# 1805  
 Delta R.T. -0.00 min  
 Lab File: VN057634.D  
 Acq: 1 Sep 2019 10:58

Tgt Ion:113 Resp: 183073  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.3 121.9  
 192 17.1 13.5 20.3



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: 37.096 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA\_N

ClientSampleId :

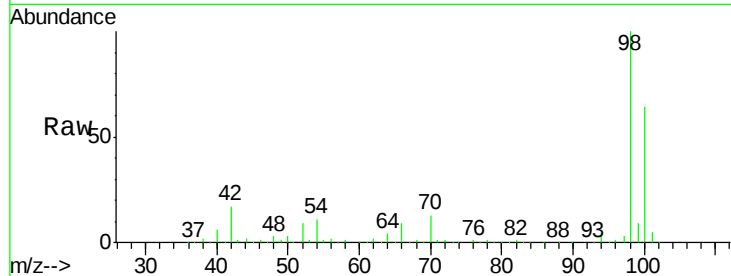
VN0902MBL01

Tot Ion: 98 Resp: 727174

Ion Ratio Lower Upper

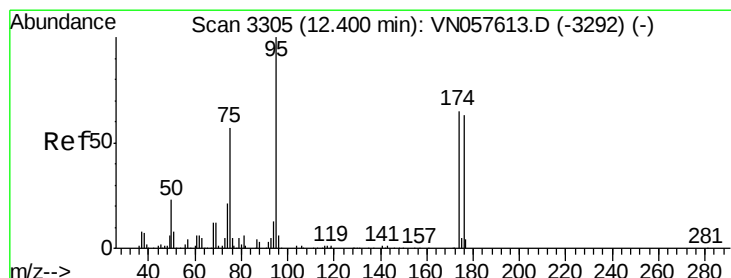
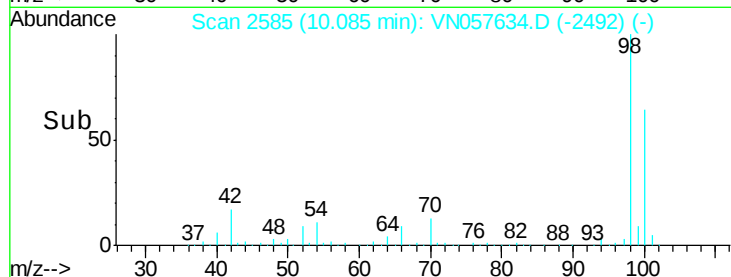
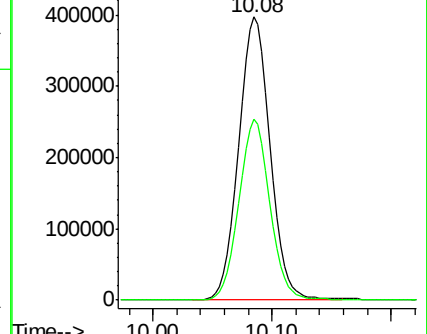
98 100

100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 27.653 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

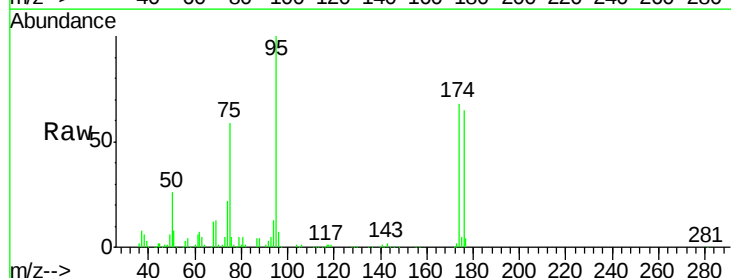
Tgt Ion: 95 Resp: 206122

Ion Ratio Lower Upper

95 100

174 67.1 0.0 134.8

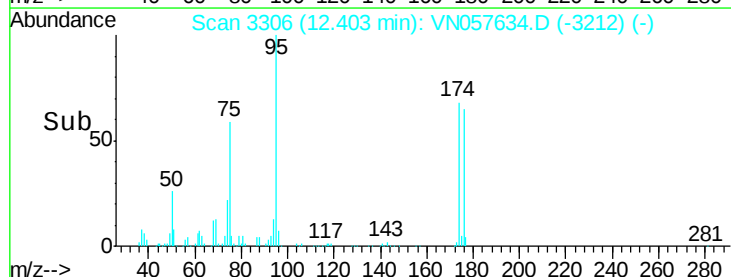
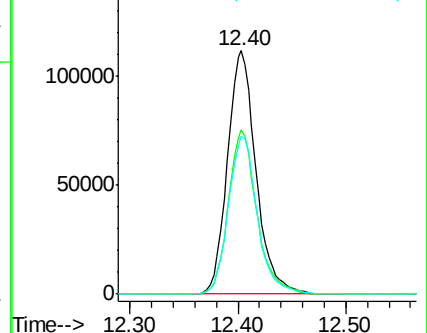
176 65.8 0.0 131.6

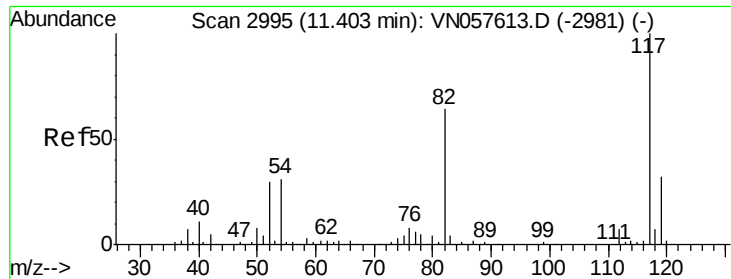


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN

Ion 175.80 (175.50 to 176.50): VN





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057634.D

Acq: 1 Sep 2019 10:58

Instrument :

MSVOA\_N

ClientSampleId :

VN0902MBL01

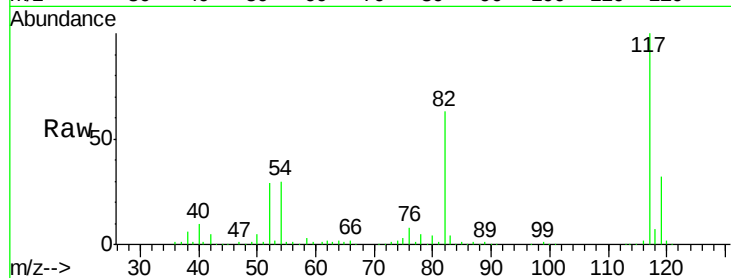
Tot Ion:117 Resp: 480151

Ion Ratio Lower Upper

117 100

82 63.4 51.6 77.4

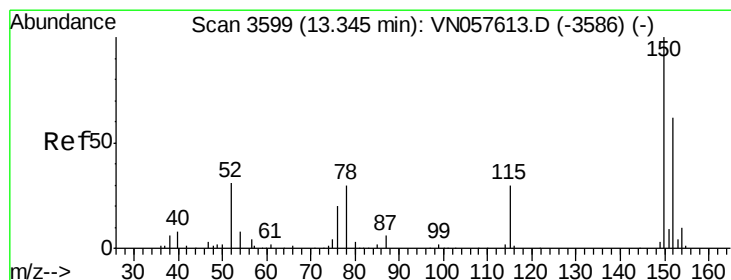
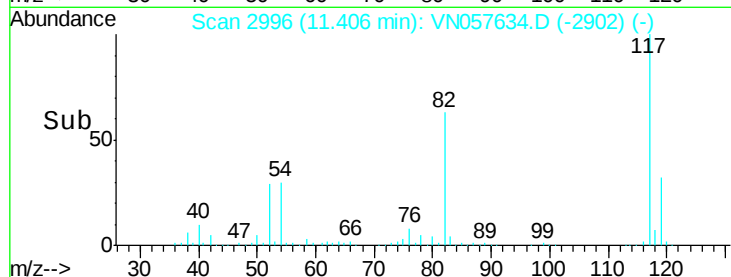
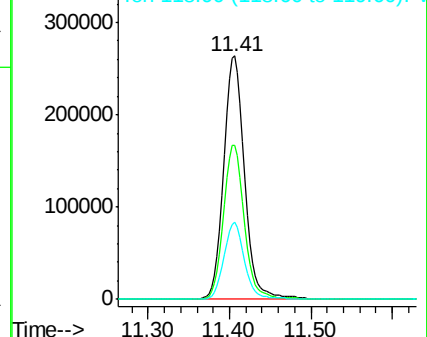
119 31.5 25.8 38.6



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: VN057634.D

Acq: 1 Sep 2019 10:58

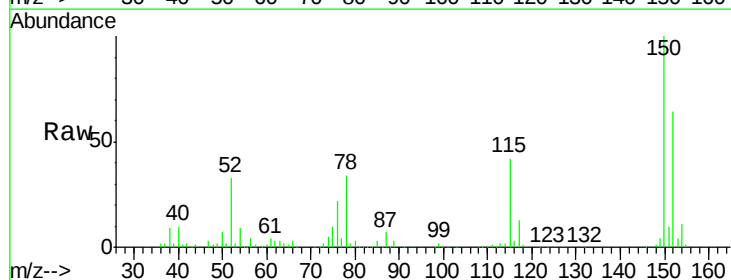
Tgt Ion:152 Resp: 125123

Ion Ratio Lower Upper

152 100

115 66.2 33.2 99.6

150 158.7 0.0 365.2



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

