

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\  
 Data File : VN062283.D  
 Acq On : 1 Jul 2020 11:21  
 Operator : JC/MD  
 Sample : VN0701MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0701MBL01

Quant Time: Jul 01 15:55:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 182258   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 363318   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 337649   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 111771   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 148129   | 57.92 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.84% |      |
| 35) Dibromofluoromethane    | 7.54   | 113 | 120676   | 51.77 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.54% |      |
| 50) Toluene-d8              | 10.06  | 98  | 468686   | 50.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.60% |      |
| 62) 4-Bromofluorobenzene    | 12.37  | 95  | 138722   | 44.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.14%  |      |

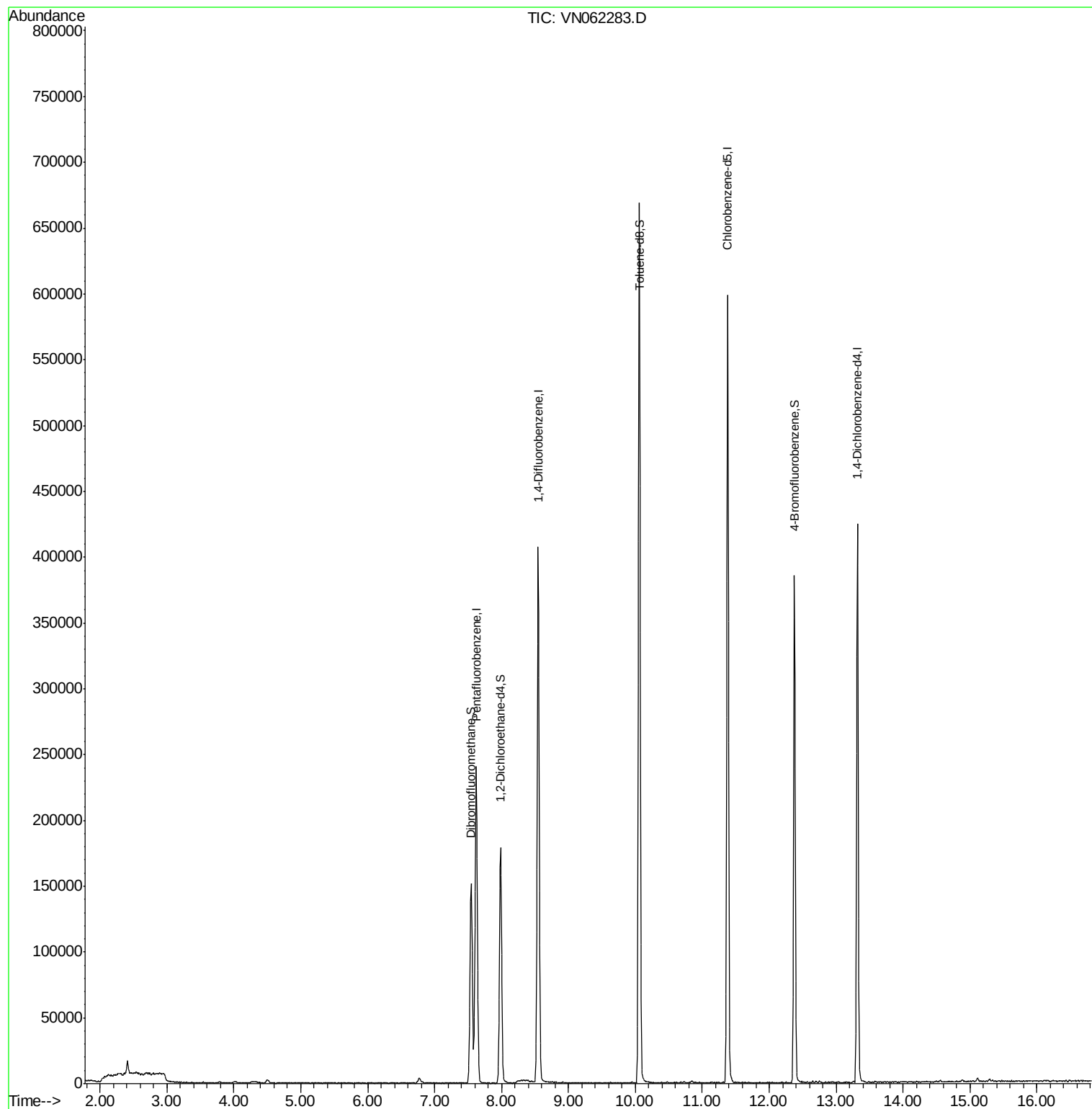
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

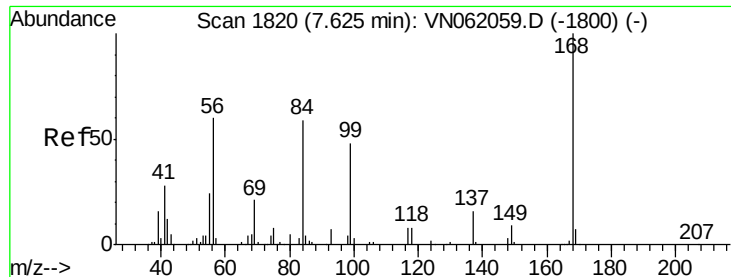
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_N  
ClientSampleId :  
VN0701MBL01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062283.D

Acq: 1 Jul 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

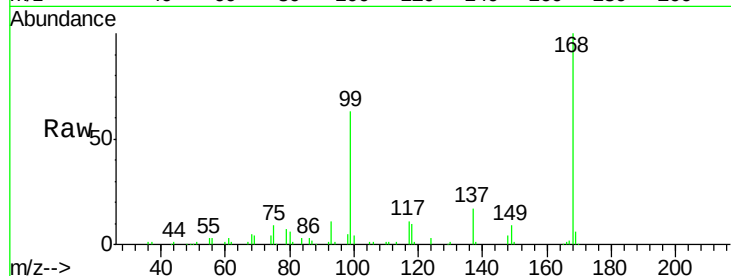
VN0701MBL01

Tot Ion:168 Resp: 182258

Ion Ratio Lower Upper

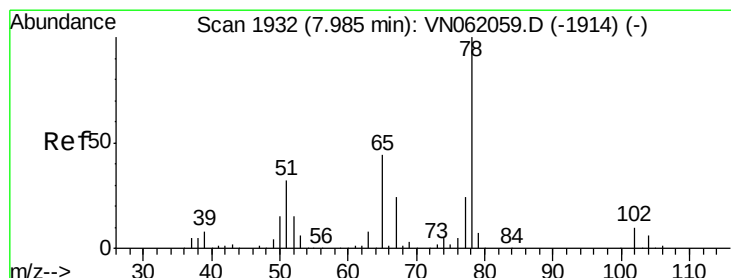
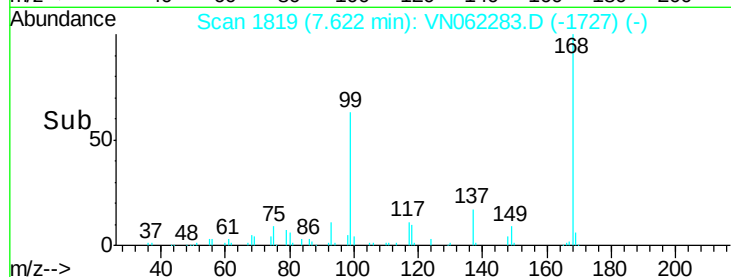
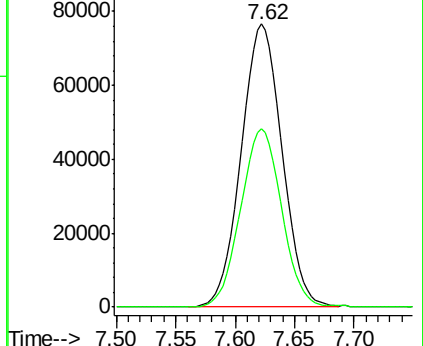
168 100

99 63.1 45.8 68.8



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: 57.915 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062283.D

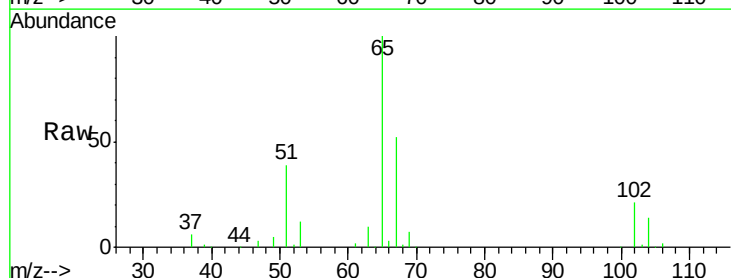
Acq: 1 Jul 2020 11:21

Tgt Ion: 65 Resp: 148129

Ion Ratio Lower Upper

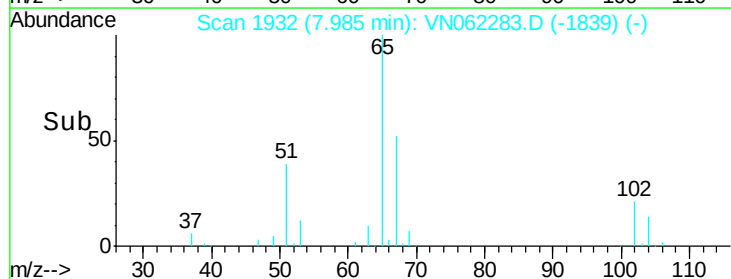
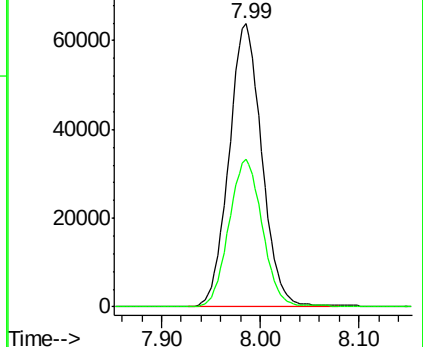
65 100

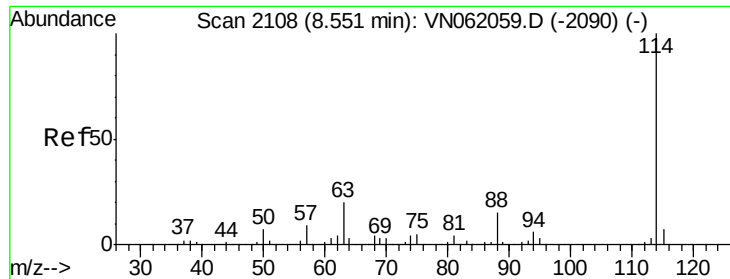
67 52.6 0.0 106.2



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: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062283.D

Acq: 1 Jul 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0701MBL01

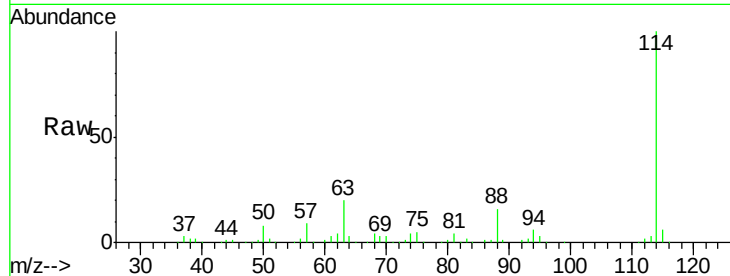
Tot Ion:114 Resp: 363318

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

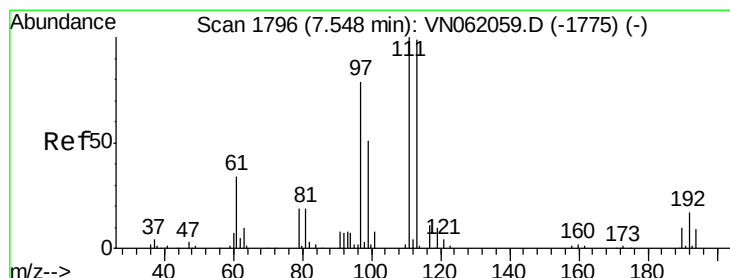
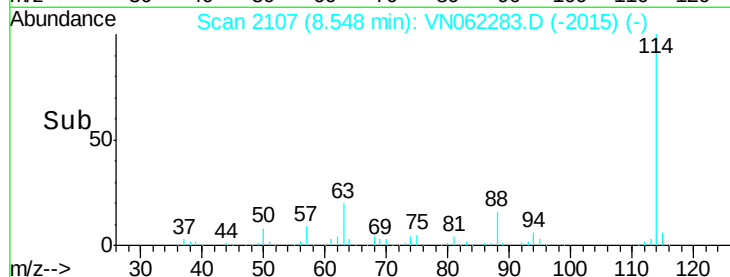
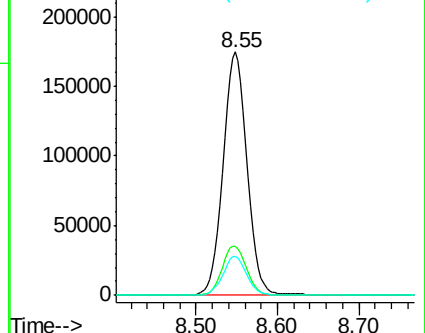
88 15.9 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 51.773 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN062283.D

Acq: 1 Jul 2020 11:21

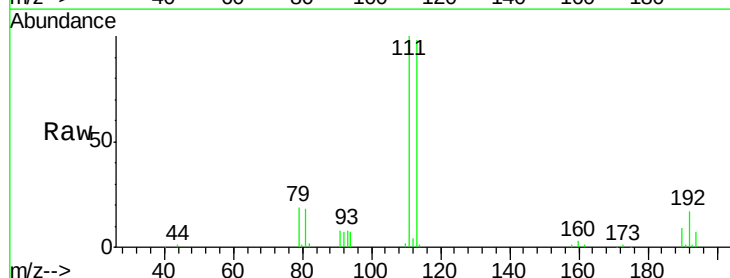
Tgt Ion:113 Resp: 120676

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

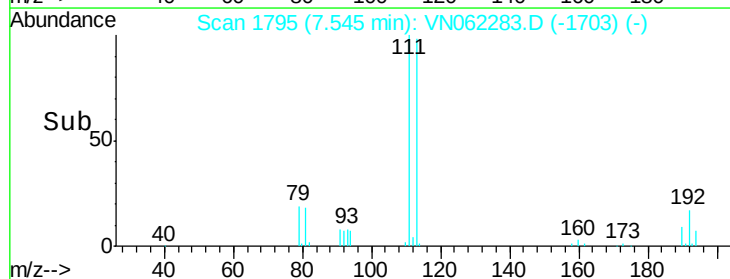
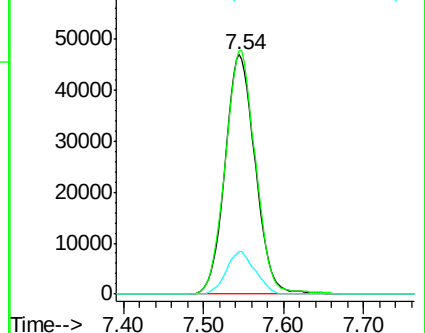
192 17.1 14.0 21.0

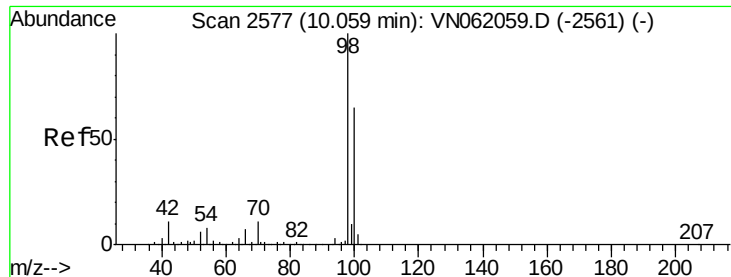


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.303 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062283.D

Acq: 1 Jul 2020 11:21

Instrument :

MSVOA\_N

ClientSampleId :

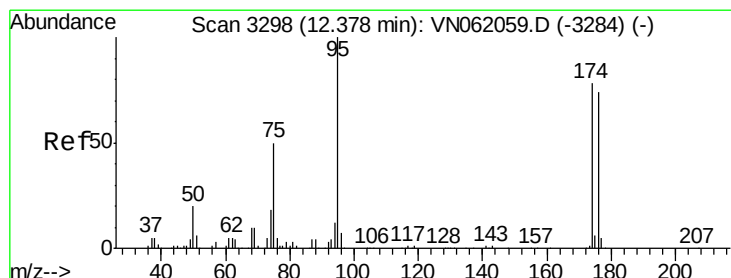
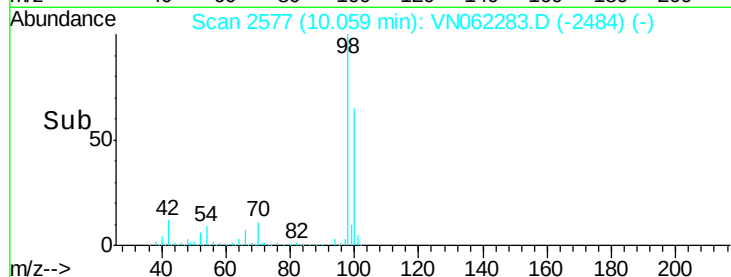
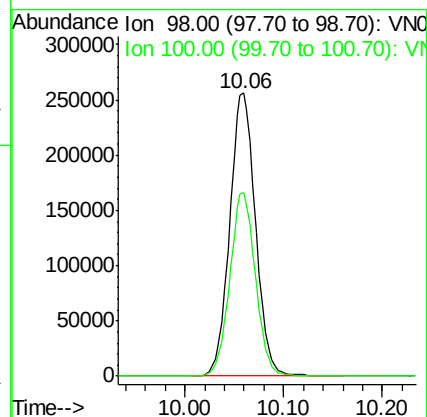
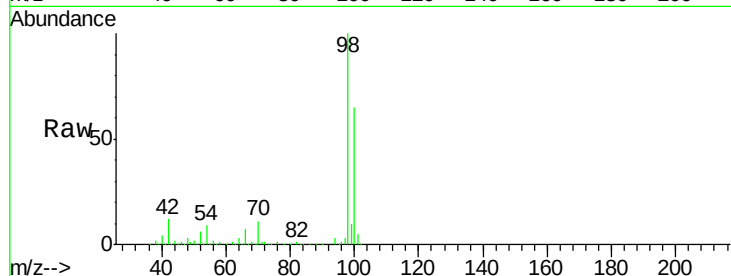
VN0701MBL01

Tot Ion: 98 Resp: 468686

Ion Ratio Lower Upper

98 100

100 64.4 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 44.068 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062283.D

Acq: 1 Jul 2020 11:21

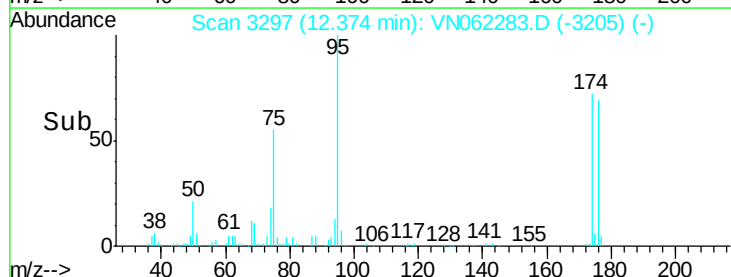
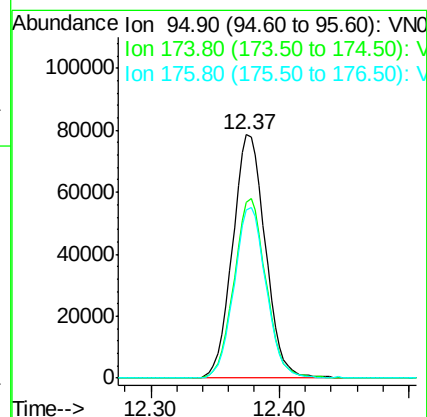
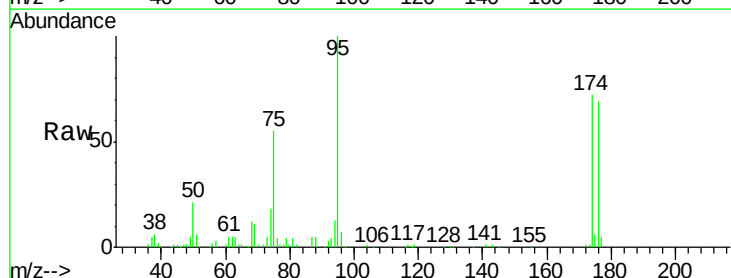
Tgt Ion: 95 Resp: 138722

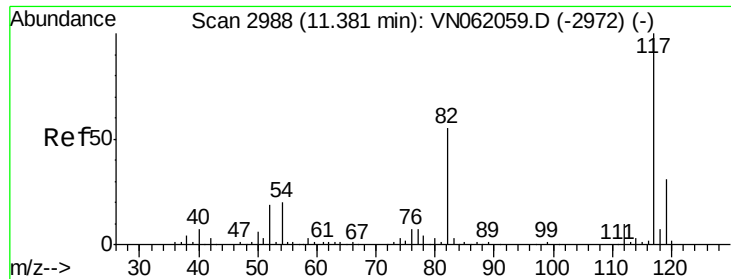
Ion Ratio Lower Upper

95 100

174 71.8 0.0 154.8

176 68.5 0.0 147.4

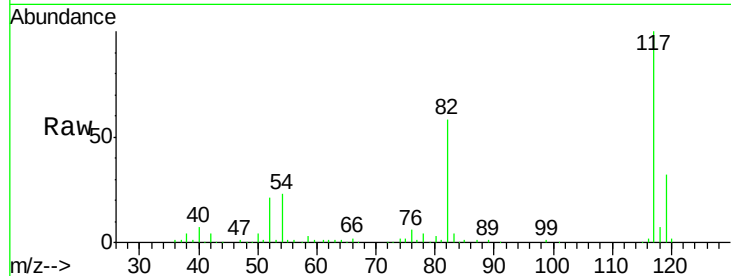




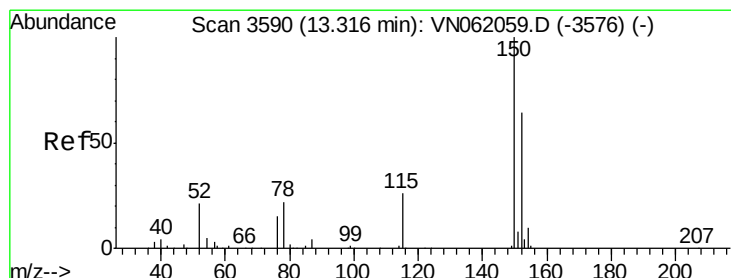
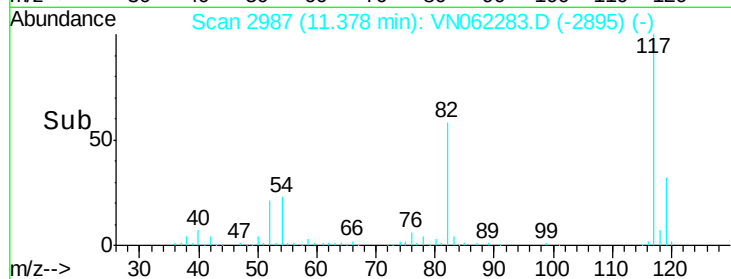
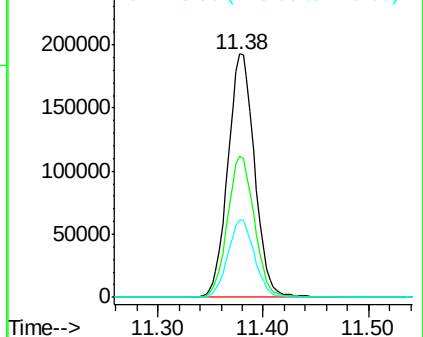
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2987  
Delta R.T. -0.00 min  
Lab File: VN062283.D  
Acq: 1 Jul 2020 11:21

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0701MBL01

Tot Ion:117 Resp: 337649  
Ion Ratio Lower Upper  
117 100  
82 58.3 43.8 65.8  
119 31.9 25.2 37.8

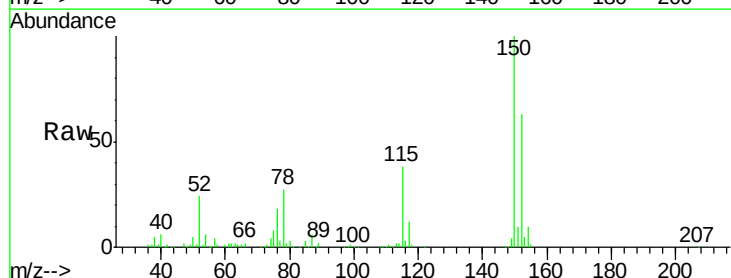


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN062283.D  
Acq: 1 Jul 2020 11:21

Tgt Ion:152 Resp: 111771  
Ion Ratio Lower Upper  
152 100  
115 60.4 29.5 88.5  
150 158.7 0.0 351.4



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

