

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091120\  
 Data File : VN063317.D  
 Acq On : 11 Sep 2020 16:18  
 Operator : JC/MD  
 Sample : L3988-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SA-MW127D-20200908

Quant Time: Sep 14 01:48:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091020W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 11 06:02:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.63  | 168  | 370504   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 701199   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 677807   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 274229   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 287950   | 49.47 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.94%  |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 222478   | 49.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.36%  |      |
| 50) Toluene-d8              | 10.06  | 98  | 889809   | 51.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.66% |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 329181   | 51.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.82% |      |

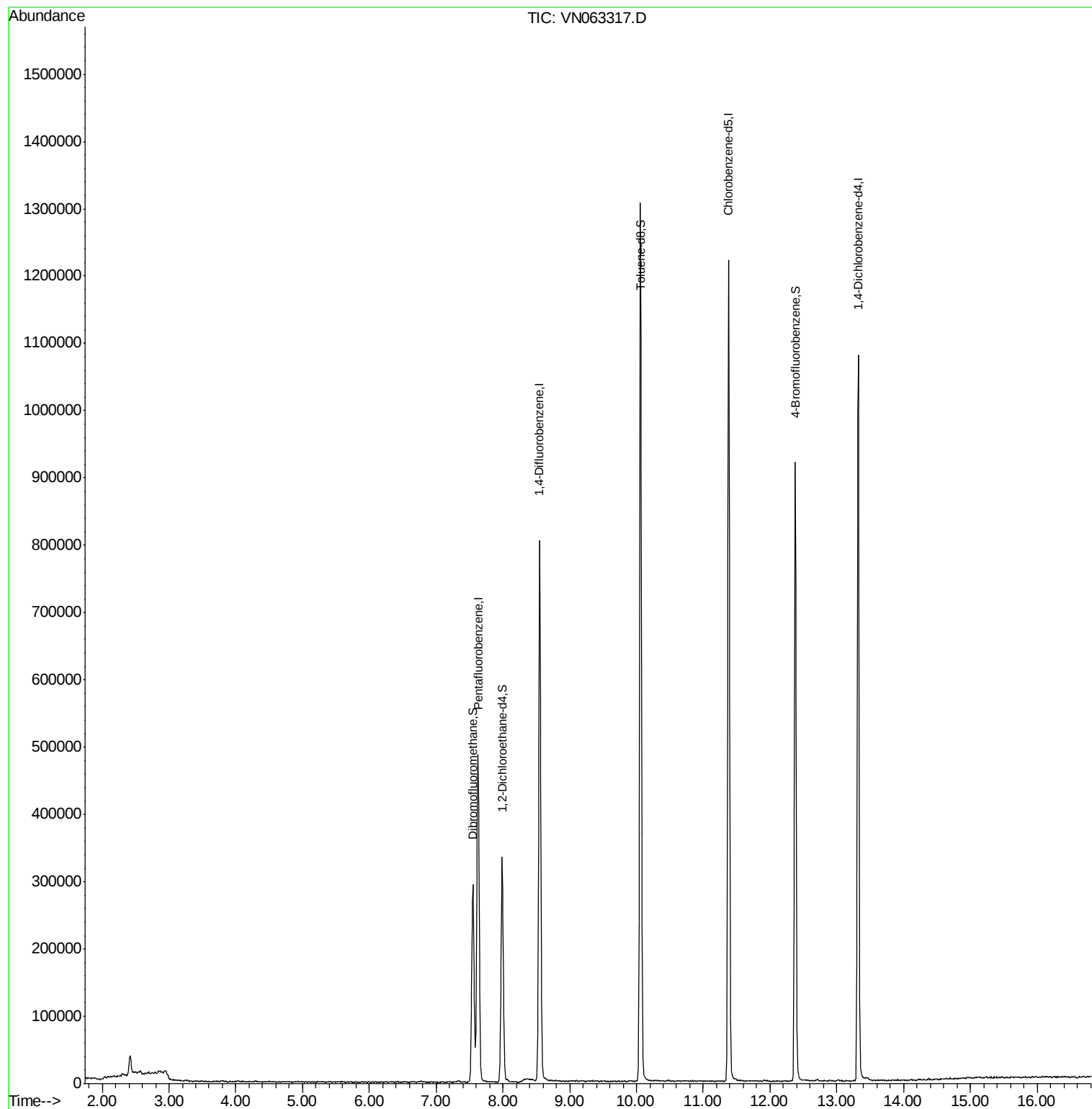
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

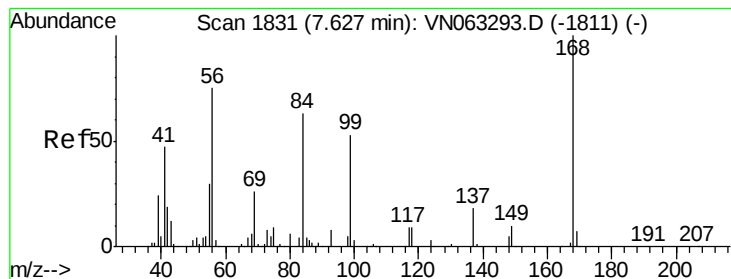
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Sep 11 06:02:56 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063317.D

Acq: 11 Sep 2020 16:18

Instrument :

MSVOA\_N

ClientSampleId :

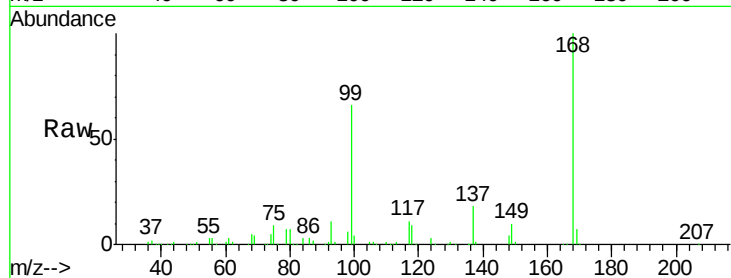
SA-MW127D-20200908

Tot Ion:168 Resp: 370504

Ion Ratio Lower Upper

168 100

99 66.0 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

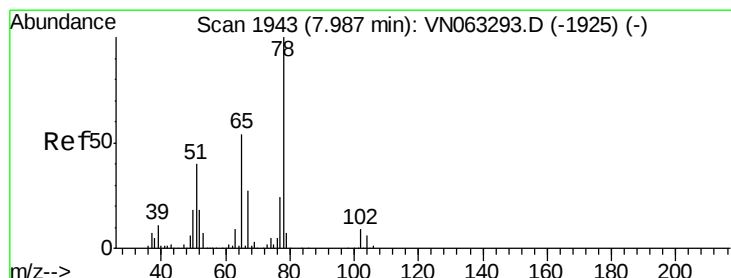
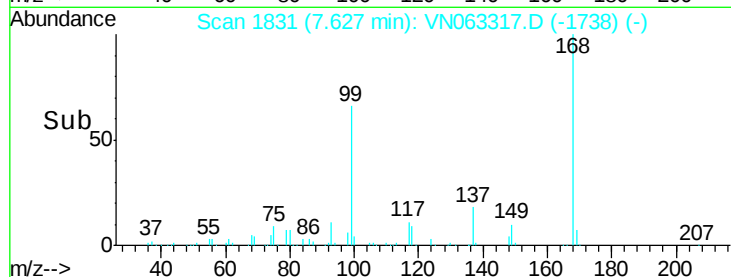
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 49.466 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063317.D

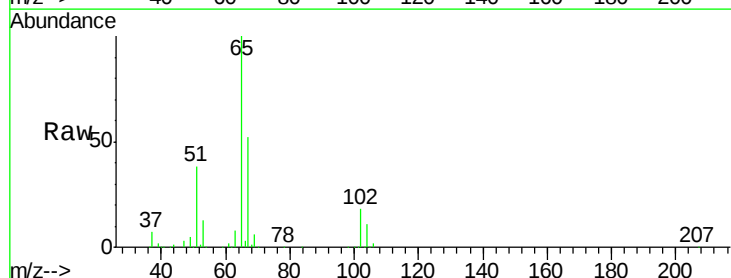
Acq: 11 Sep 2020 16:18

Tgt Ion: 65 Resp: 287950

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

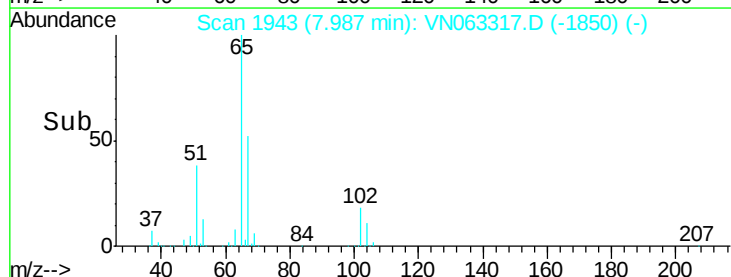
7.99

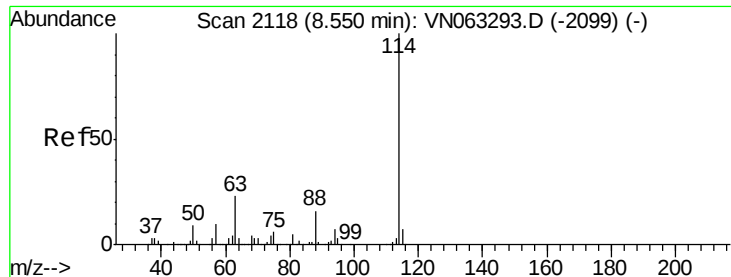
100000

50000

0

Time--> 7.90 8.00 8.10

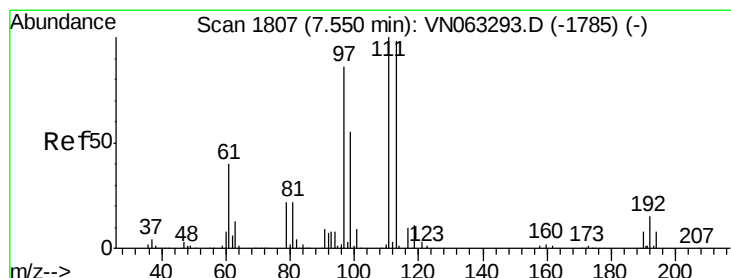
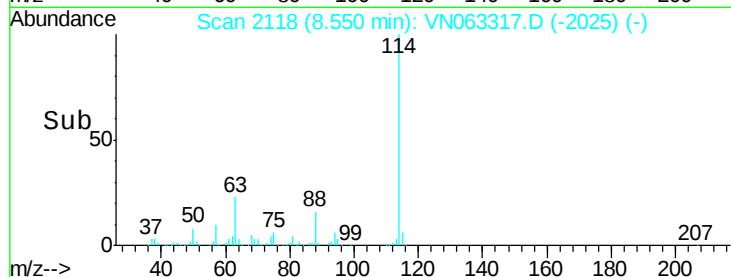
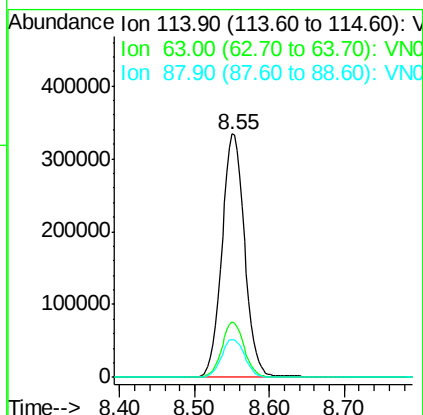
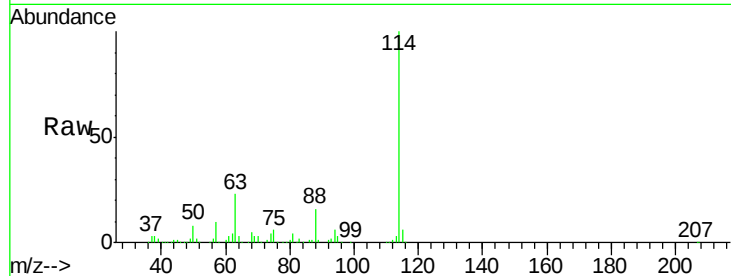




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063317.D  
 Acq: 11 Sep 2020 16:18

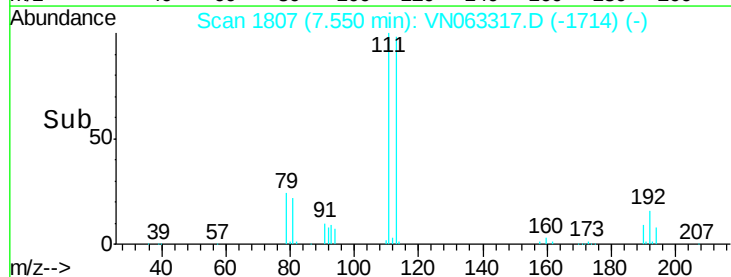
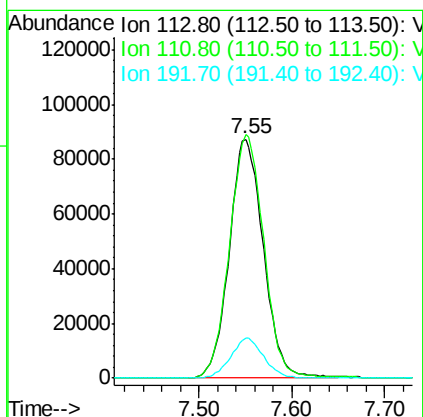
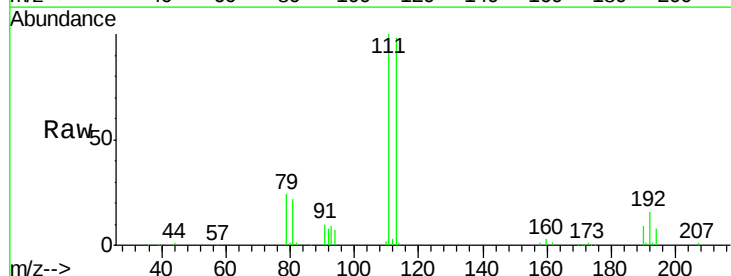
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SA-MW127D-20200908

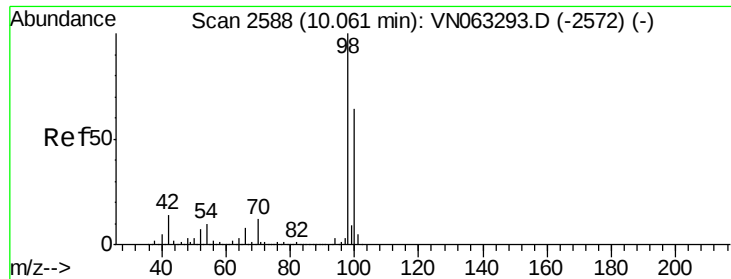
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 23.0  | 0.0   | 46.0  |
| 88      | 15.6  | 0.0   | 32.8  |



#35  
 Dibromofluoromethane  
 Concen: 49.181 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: VN063317.D  
 Acq: 11 Sep 2020 16:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.2  | 123.2 |
| 192     | 16.2  | 12.9  | 19.3  |





#50

Toluene-d8

Concen: 51.328 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063317.D

Acq: 11 Sep 2020 16:18

Instrument :

MSVOA\_N

ClientSampleId :

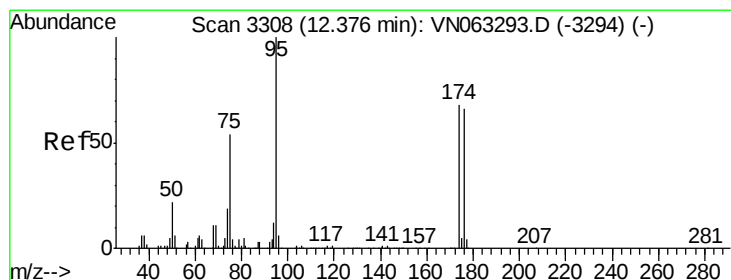
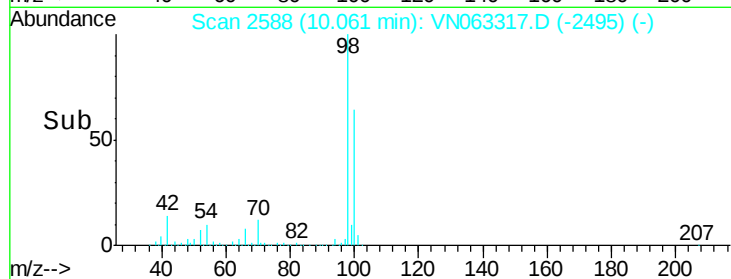
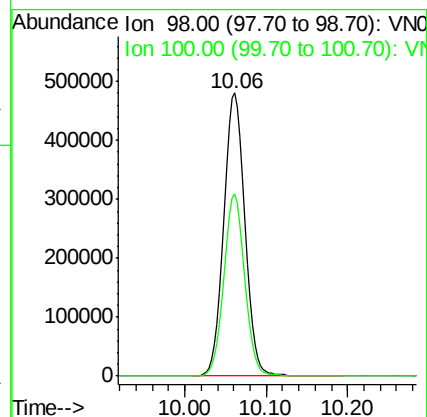
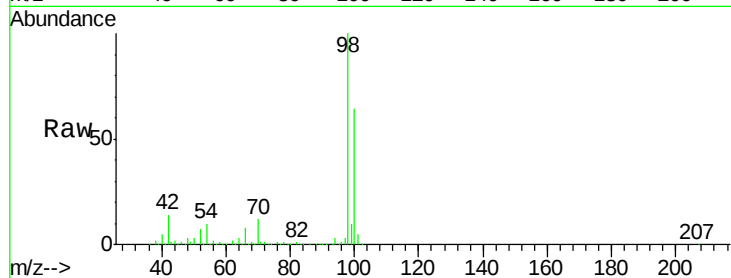
SA-MW127D-20200908

Tot Ion: 98 Resp: 889809

Ion Ratio Lower Upper

98 100

100 63.3 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 51.411 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.00 min

Lab File: VN063317.D

Acq: 11 Sep 2020 16:18

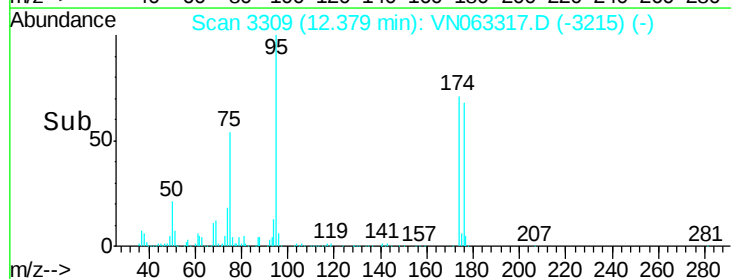
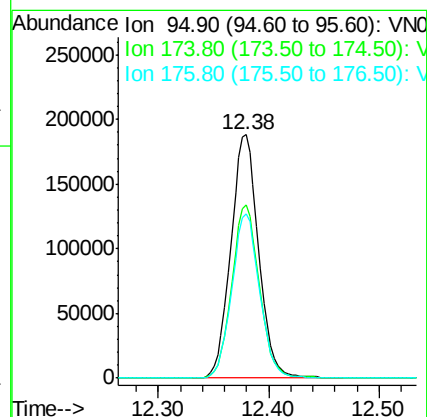
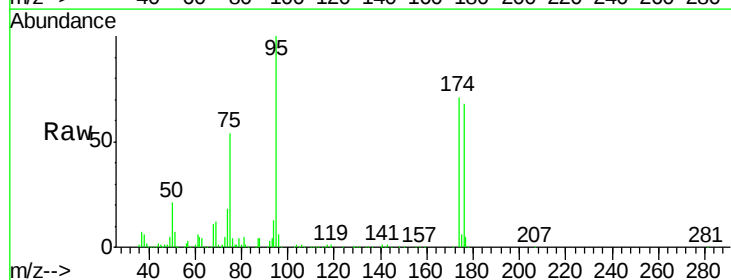
Tgt Ion: 95 Resp: 329181

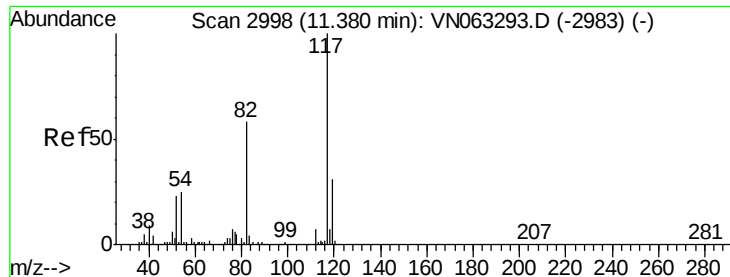
Ion Ratio Lower Upper

95 100

174 70.2 0.0 136.6

176 67.6 0.0 132.8

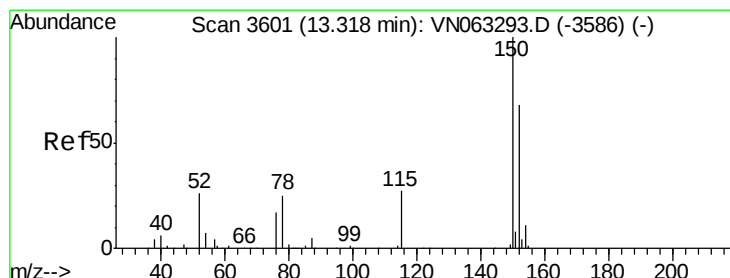
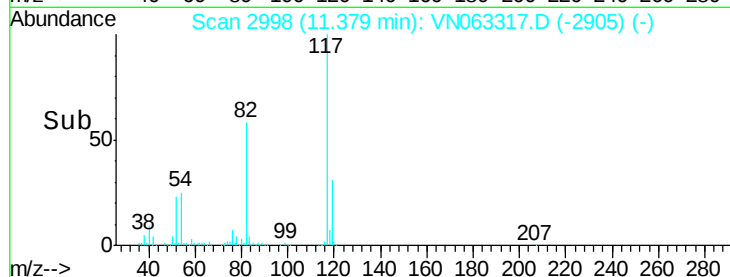
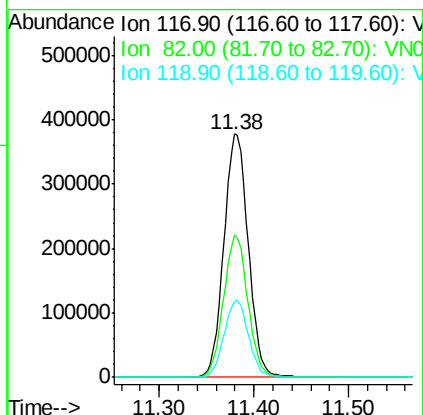
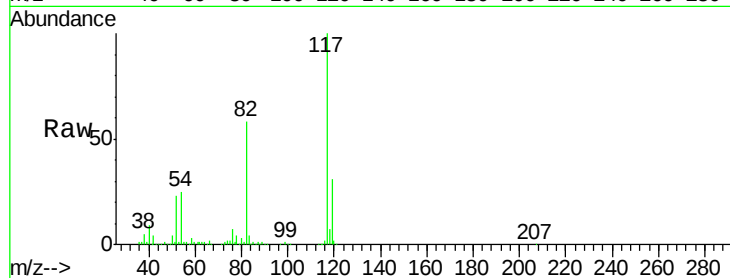




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063317.D  
Acq: 11 Sep 2020 16:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
SA-MW127D-20200908

Tot Ion:117 Resp: 677807  
Ion Ratio Lower Upper  
117 100  
82 58.3 46.4 69.6  
119 31.4 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3602  
Delta R.T. 0.00 min  
Lab File: VN063317.D  
Acq: 11 Sep 2020 16:18

Tgt Ion:152 Resp: 274229  
Ion Ratio Lower Upper  
152 100  
115 62.2 31.5 94.5  
150 157.1 0.0 344.0

