

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\  
 Data File : VN063338.D  
 Acq On : 14 Sep 2020 13:19  
 Operator : JC/MD  
 Sample : L3981-01ME 100X  
 Misc : 11.58g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B17-0-2ME

Quant Time: Sep 15 06:10:39 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

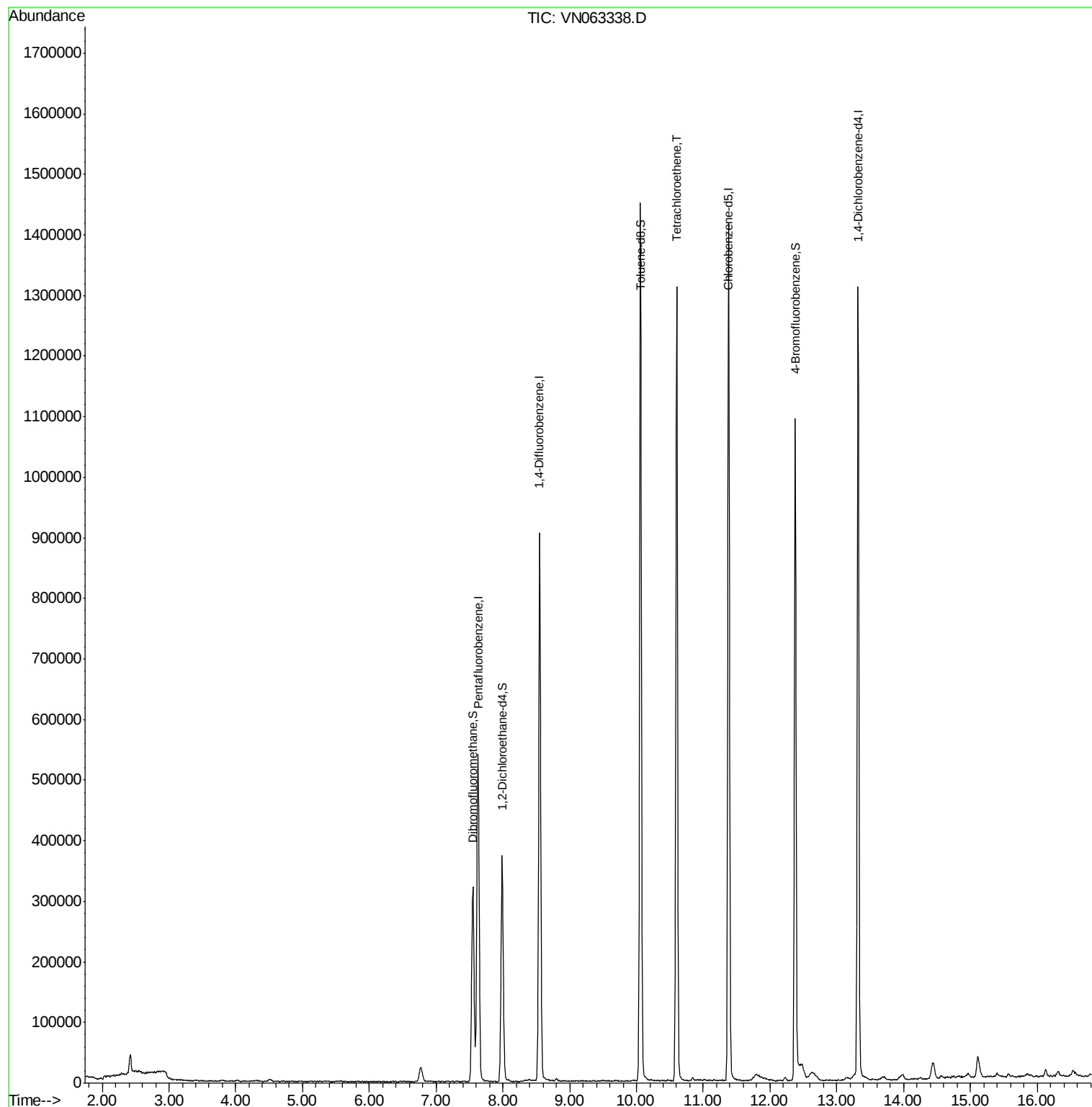
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 415475   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 770869   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 754858   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 321661   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 315812   | 48.38  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.76%  |           |
| 35) Dibromofluoromethane    | 7.55  | 113  | 246082   | 49.48  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.96%  |           |
| 50) Toluene-d8              | 10.06 | 98   | 990108   | 51.95  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.90% |           |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 377414   | 53.62  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.24% |           |
| Target Compounds            |       |      |          |        |         |           |
| 64) Tetrachloroethene       | 10.60 | 164  | 277841   | 44.931 | ug/l    | Qvalue 99 |

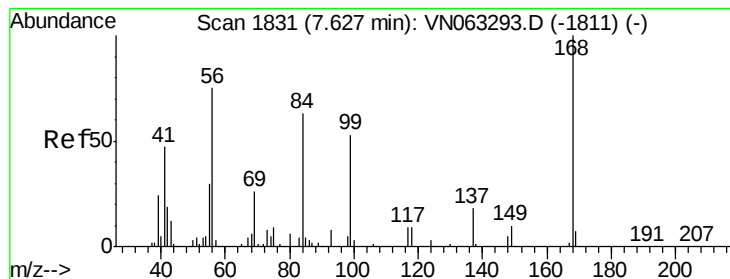
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091420\  
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ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
B17-0-2ME

Quant Time: Sep 15 06:10:39 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091020W.M  
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: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA\_N

ClientSampleId :

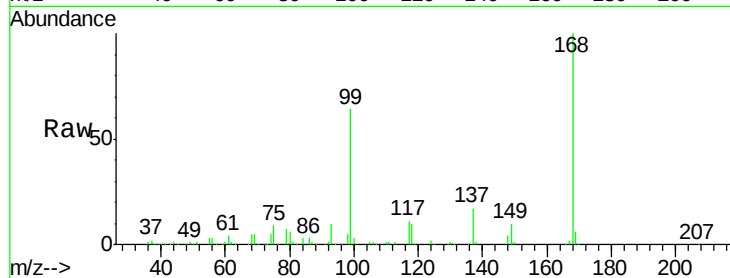
B17-0-2ME

Tot Ion:168 Resp: 415475

Ion Ratio Lower Upper

168 100

99 63.5 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

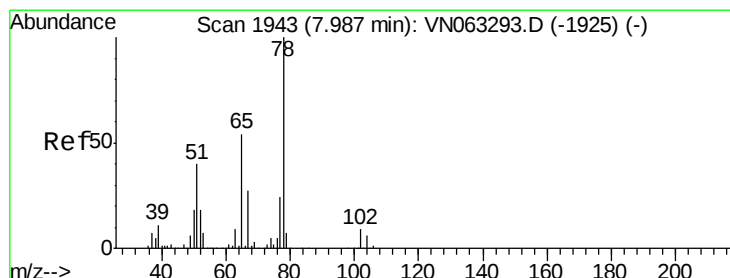
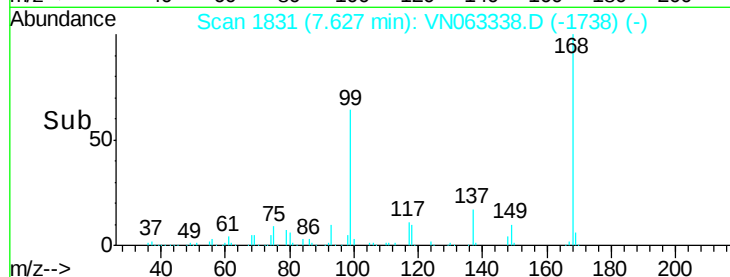
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.380 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063338.D

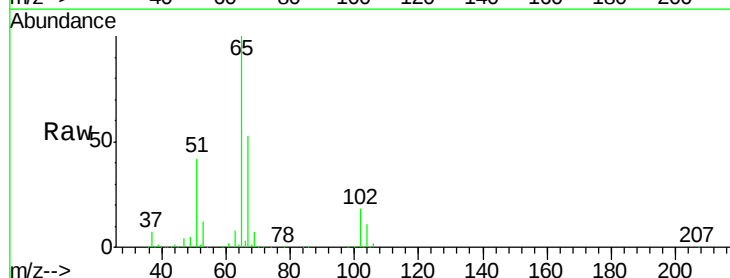
Acq: 14 Sep 2020 13:19

Tgt Ion: 65 Resp: 315812

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

7.99

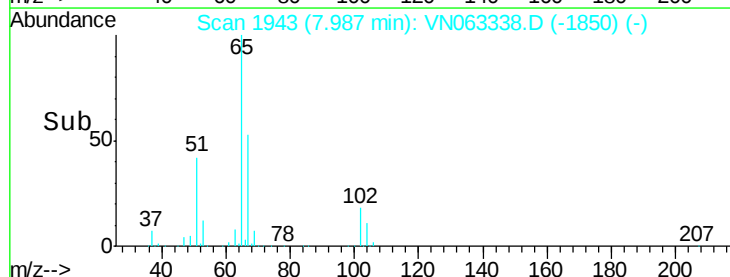
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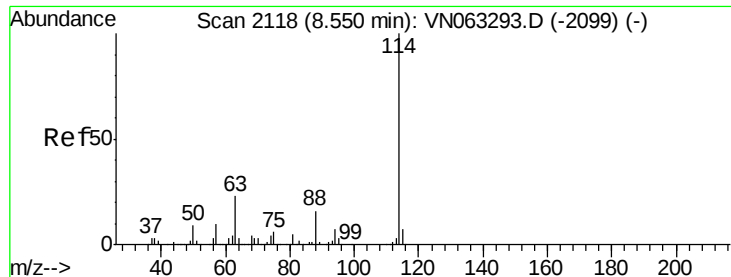
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50000

0

Time-->

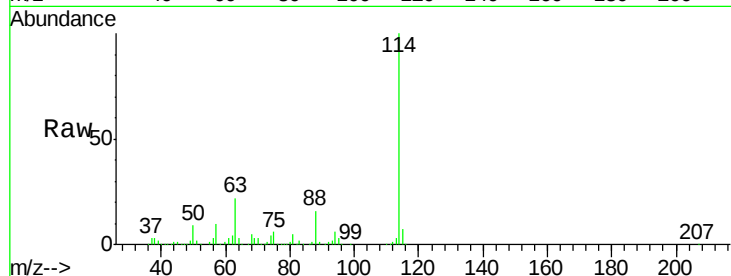




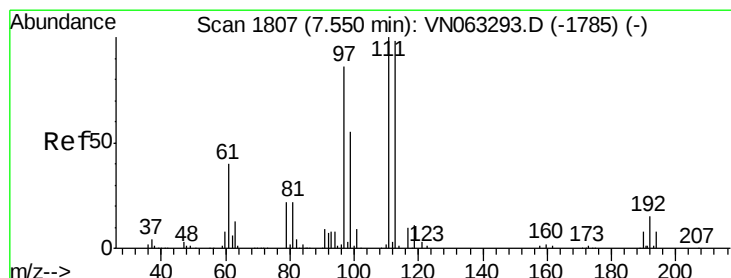
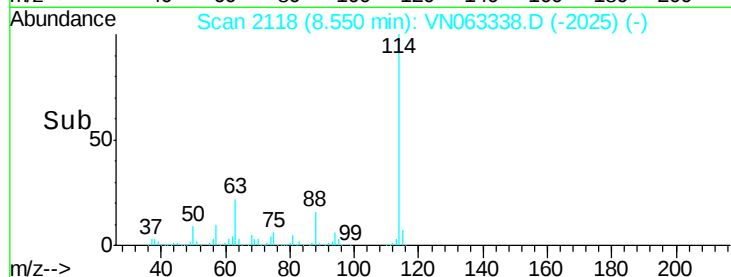
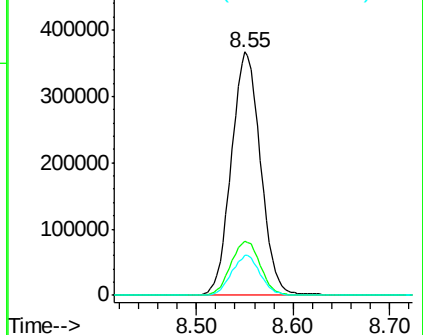
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063338.D  
 Acq: 14 Sep 2020 13:19

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 B17-0-2ME

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.1  | 0.0   | 46.0  |
| 88      | 16.3  | 0.0   | 32.8  |

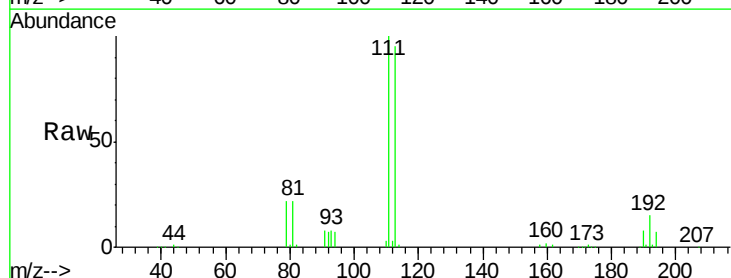


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

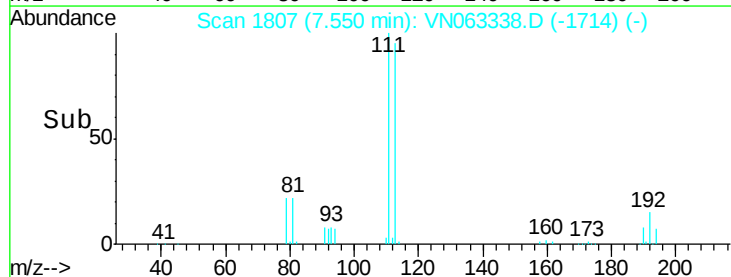
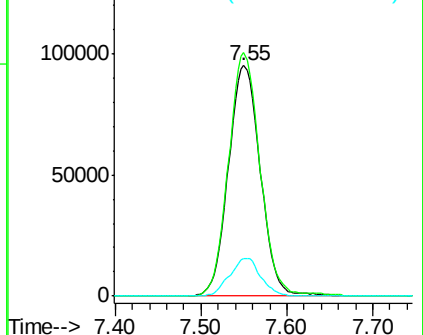


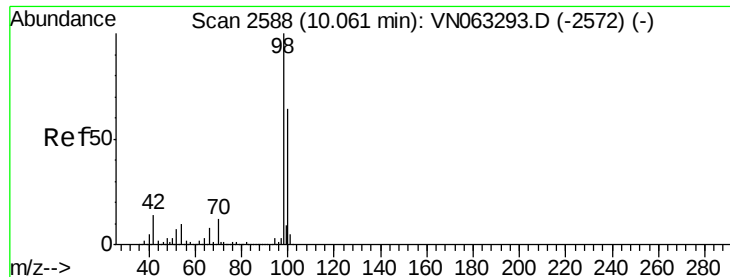
#35  
 Dibromofluoromethane  
 Concen: 49.483 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: VN063338.D  
 Acq: 14 Sep 2020 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.2  | 123.2 |
| 192     | 15.9  | 12.9  | 19.3  |



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: 51.952 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA\_N

ClientSampleId :

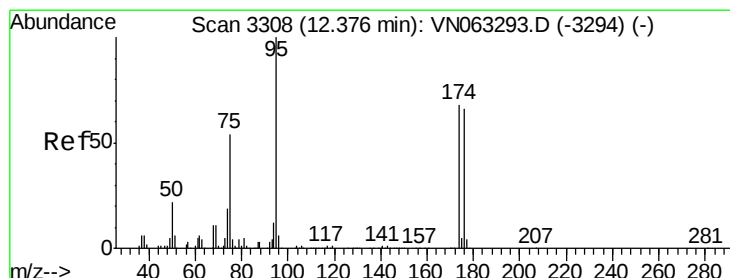
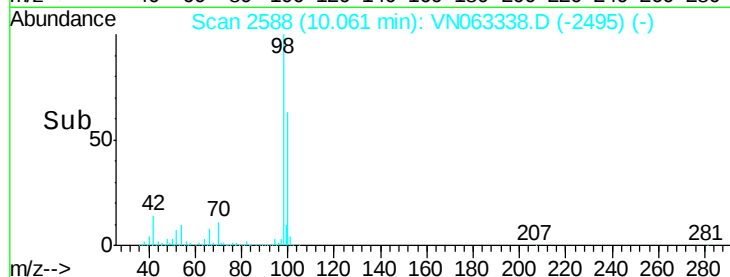
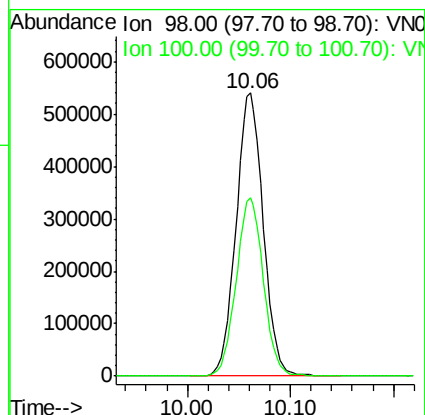
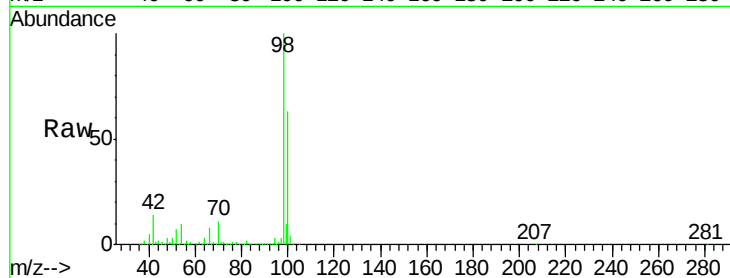
B17-0-2ME

Tot Ion: 98 Resp: 990108

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 53.617 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

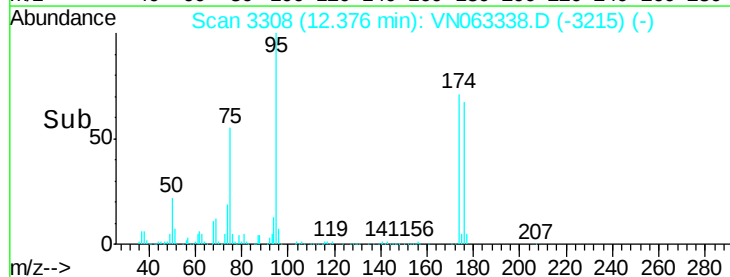
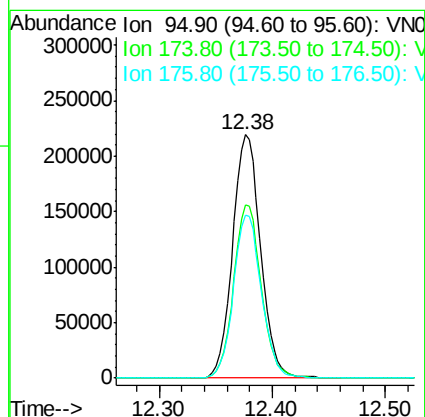
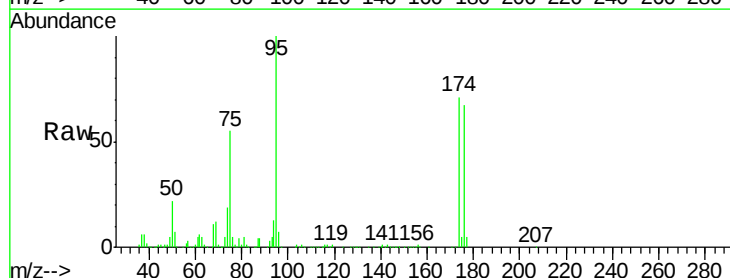
Tgt Ion: 95 Resp: 377414

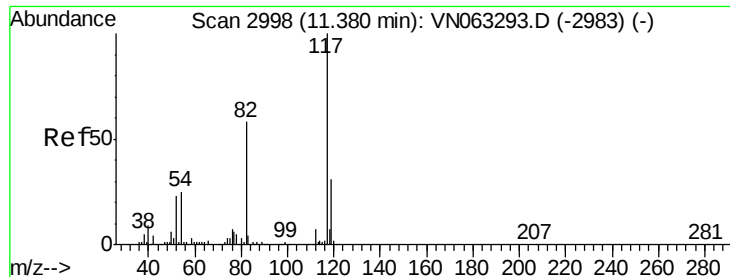
Ion Ratio Lower Upper

95 100

174 70.4 0.0 136.6

176 67.2 0.0 132.8

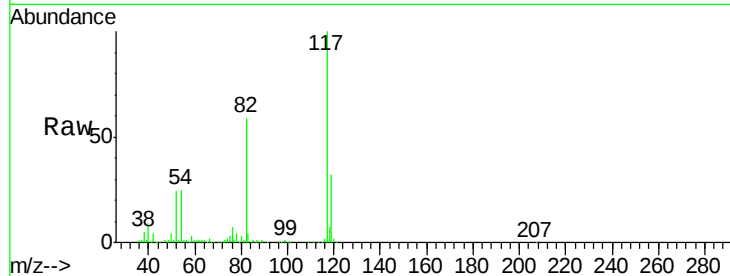




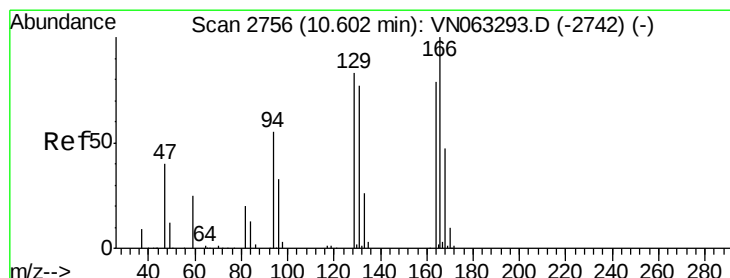
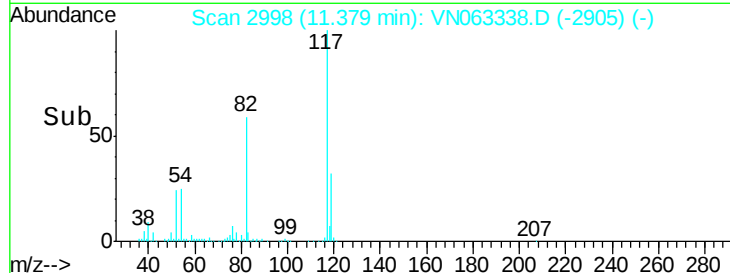
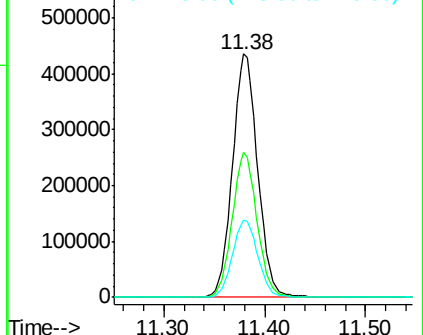
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063338.D  
Acq: 14 Sep 2020 13:19

Instrument :  
MSVOA\_N  
ClientSampled :  
B17-0-2ME

Tot Ion:117 Resp: 754858  
Ion Ratio Lower Upper  
117 100  
82 59.3 46.4 69.6  
119 31.5 24.8 37.2

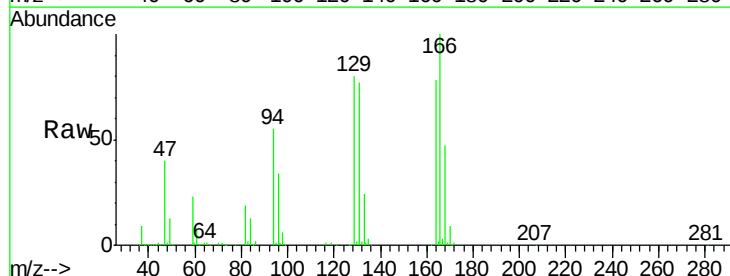


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

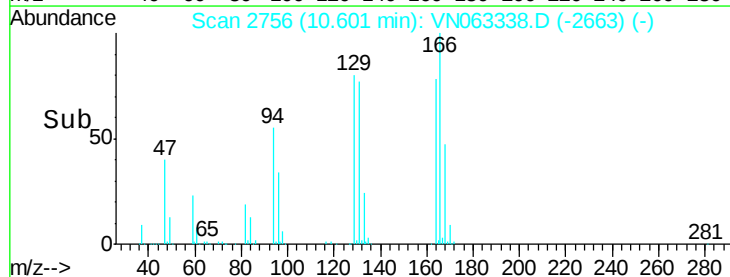
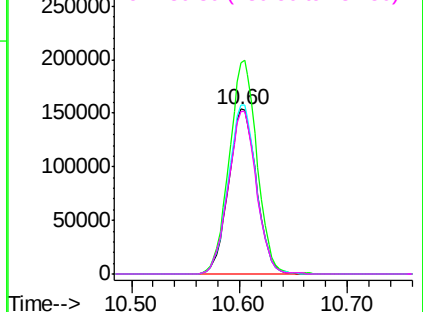


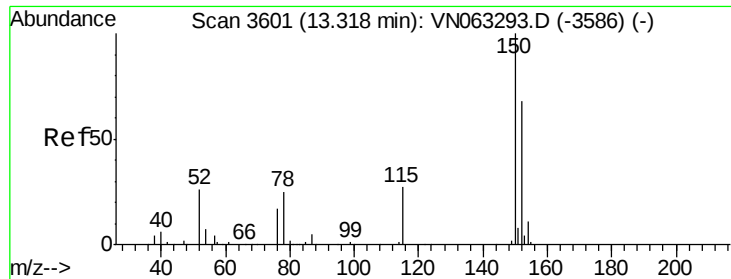
#64  
Tetrachloroethene  
Concen: 44.931 ug/l  
RT: 10.60 min Scan# 2756  
Delta R.T. -0.00 min  
Lab File: VN063338.D  
Acq: 14 Sep 2020 13:19

Tgt Ion:164 Resp: 277841  
Ion Ratio Lower Upper  
164 100  
166 127.9 101.3 151.9  
129 102.6 83.7 125.5  
131 98.5 78.2 117.4



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063338.D

Acq: 14 Sep 2020 13:19

Instrument :

MSVOA\_N

ClientSampleId :

B17-0-2ME

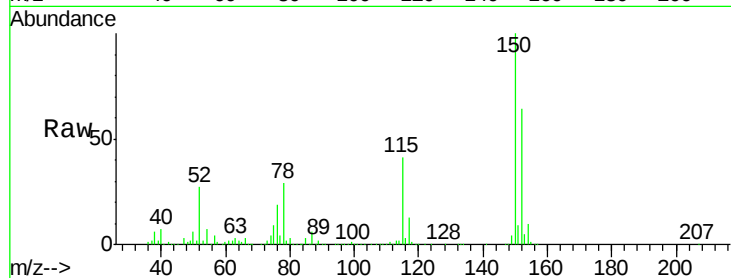
Tot Ion:152 Resp: 321661

Ion Ratio Lower Upper

152 100

115 63.3 31.5 94.5

150 159.9 0.0 344.0



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

