

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\  
 Data File : VX017110.D  
 Acq On : 01 Jul 2020 19:48  
 Operator : JC/SP  
 Sample : L3159-03 100X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 63BR-20200629

Quant Time: Jul 02 03:37:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 228933   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 383489   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 386699   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 207633   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 147581   | 52.29 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.58% |      |
| 35) Dibromofluoromethane    | 5.47   | 113 | 127258   | 52.46 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.92% |      |
| 50) Toluene-d8              | 8.70   | 98  | 465896   | 51.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.88% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 193594   | 55.21 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.42% |      |

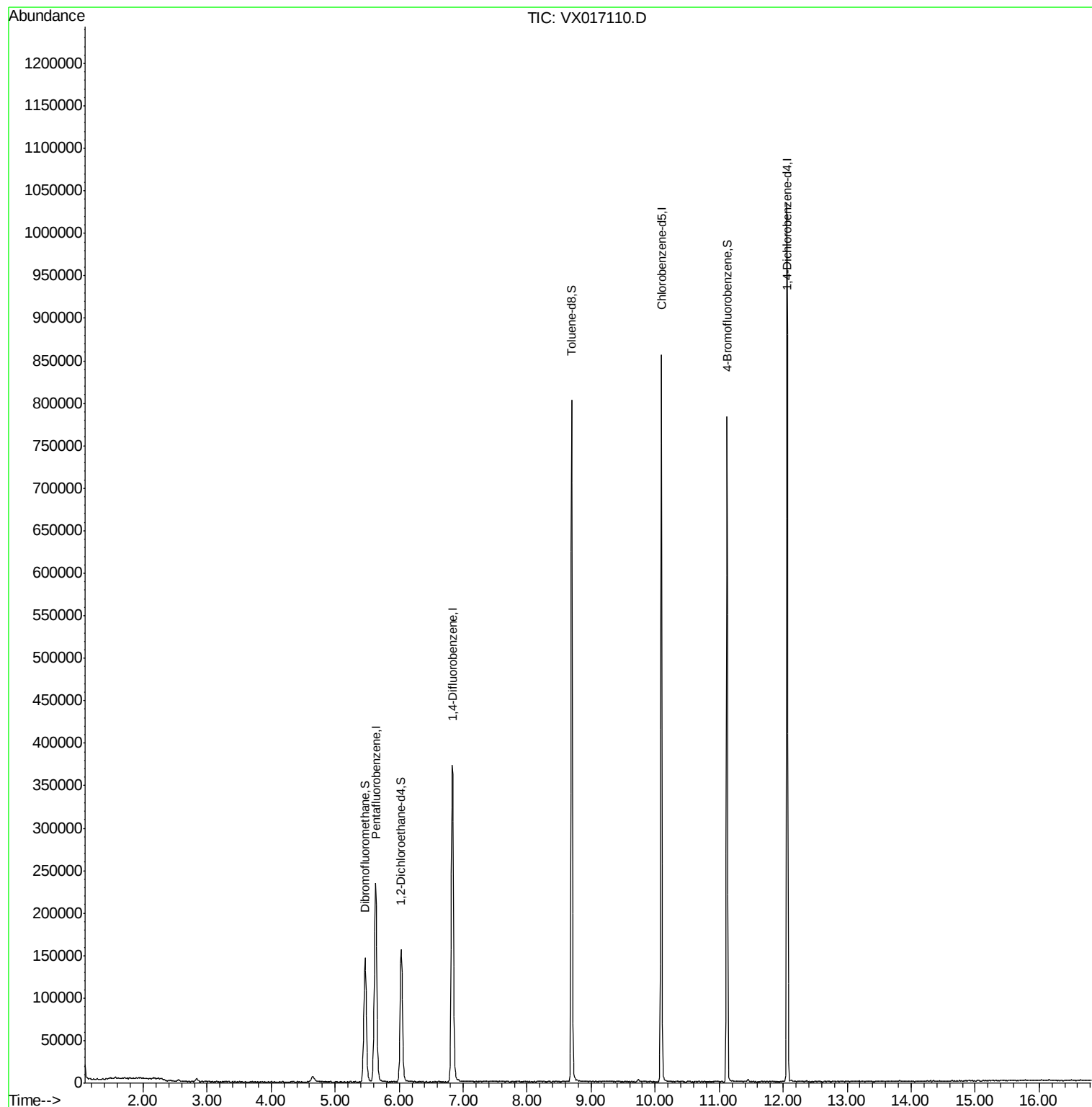
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

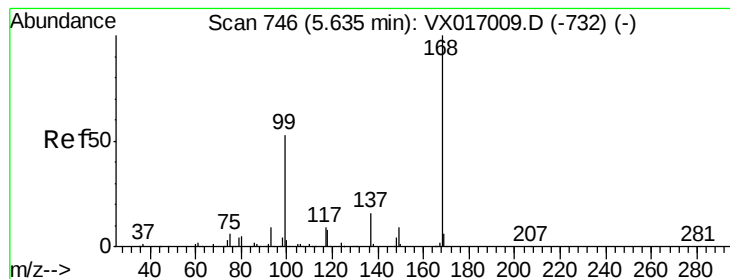
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 03:37:41 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

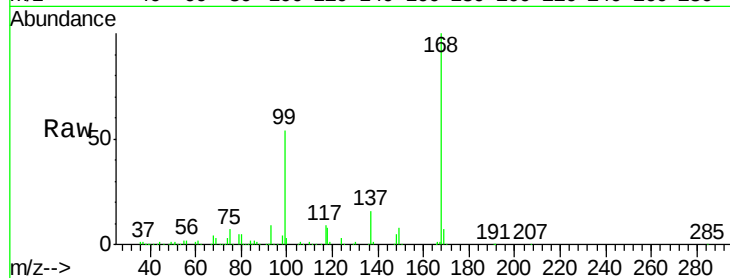
63BR-20200629

Tot Ion:168 Resp: 228933

Ion Ratio Lower Upper

168 100

99 53.6 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

80000

60000

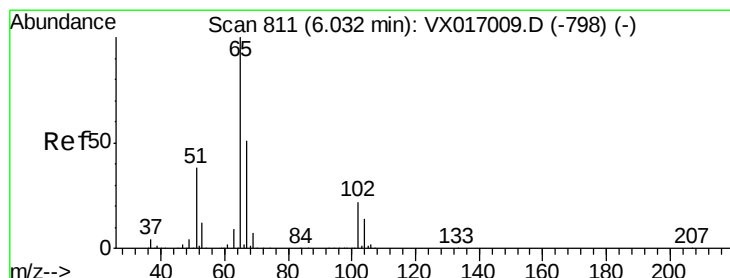
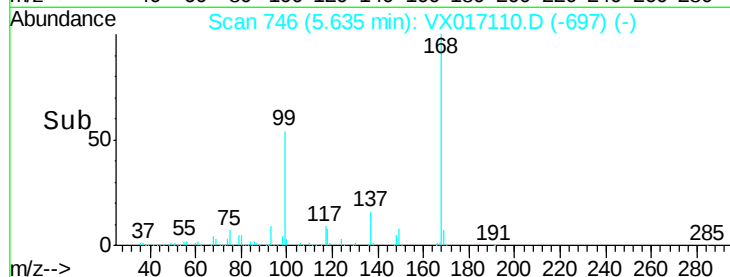
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.291 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017110.D

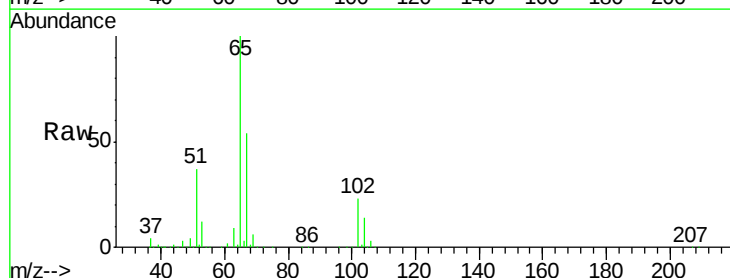
Acq: 01 Jul 2020 19:48

Tgt Ion: 65 Resp: 147581

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

60000

50000

40000

30000

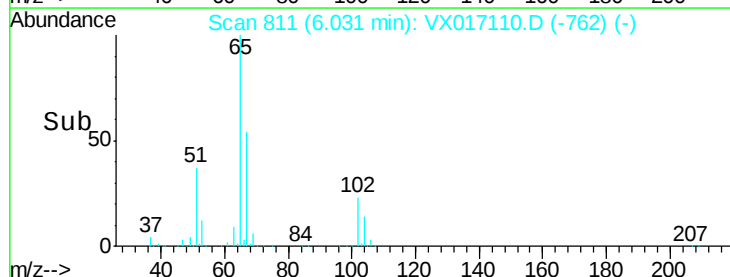
20000

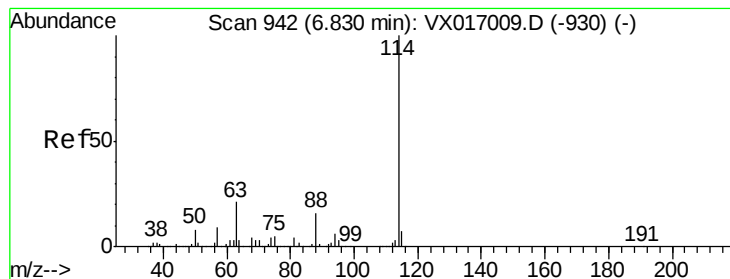
10000

0

5.90 6.00 6.10 6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

63BR-20200629

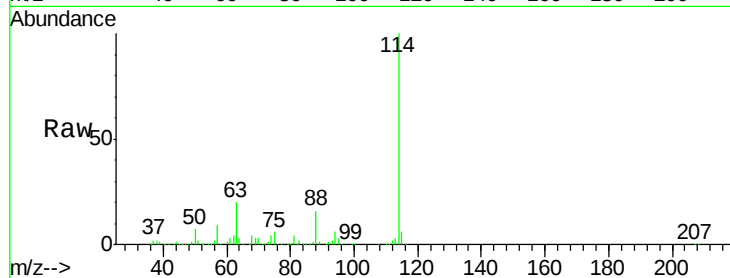
Tot Ion:114 Resp: 383489

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.4

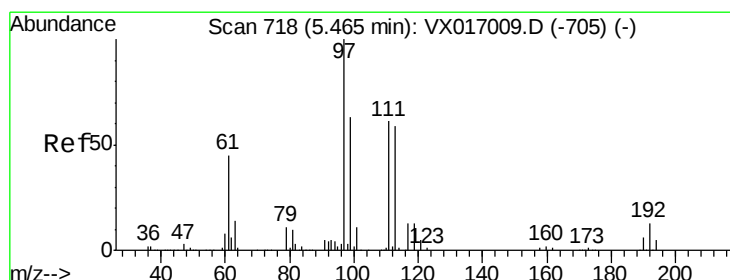
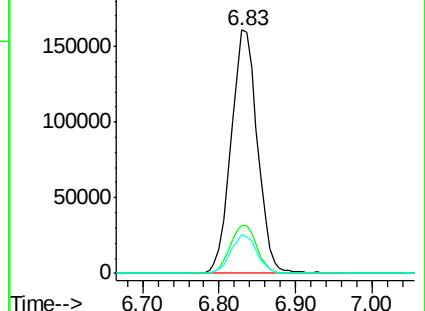
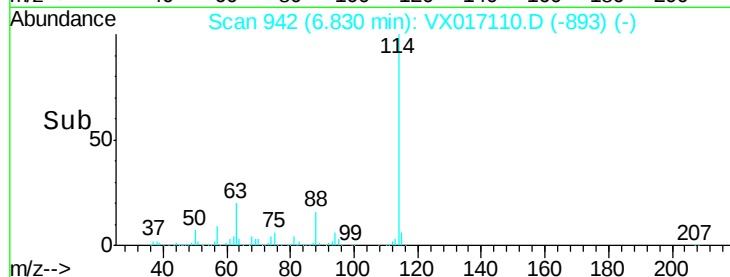
88 15.9 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 52.459 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

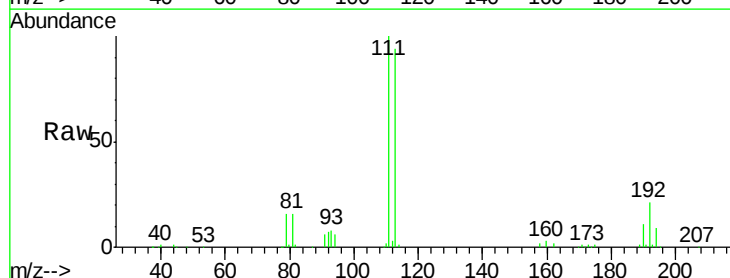
Tgt Ion:113 Resp: 127258

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

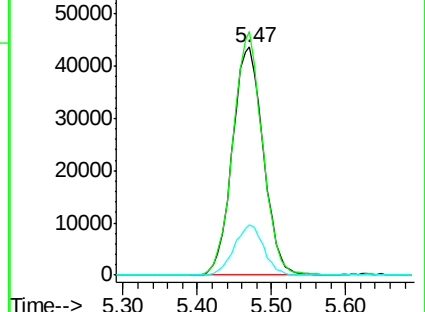
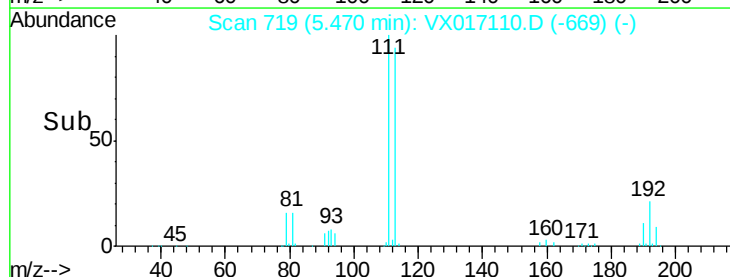
192 21.1 16.7 25.1

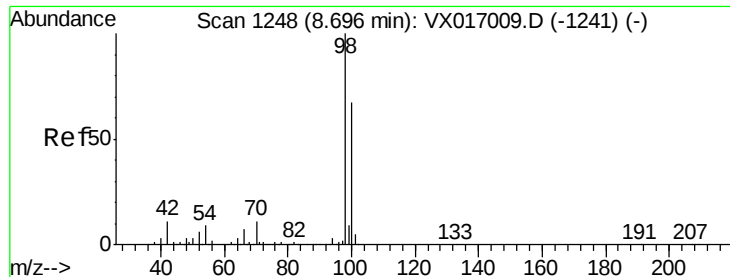


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.938 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

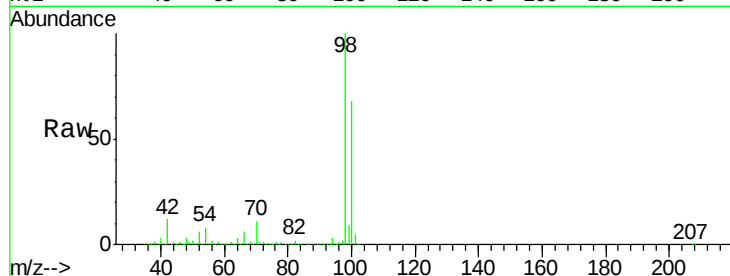
63BR-20200629

Tot Ion: 98 Resp: 465896

Ion Ratio Lower Upper

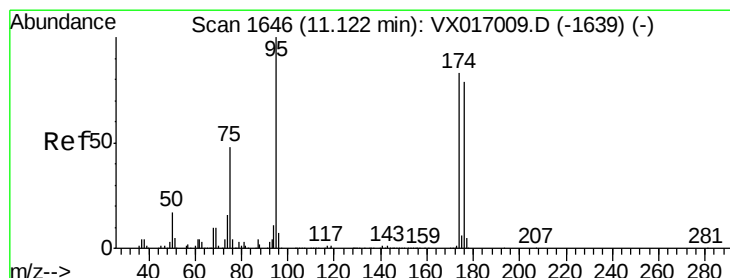
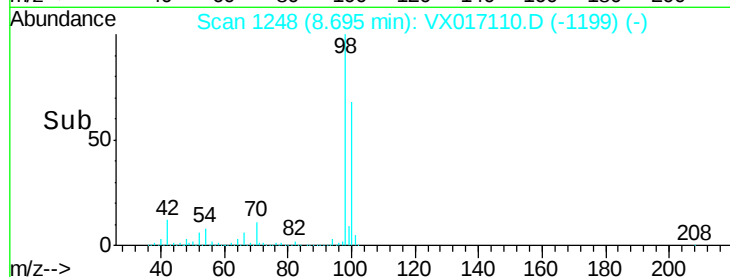
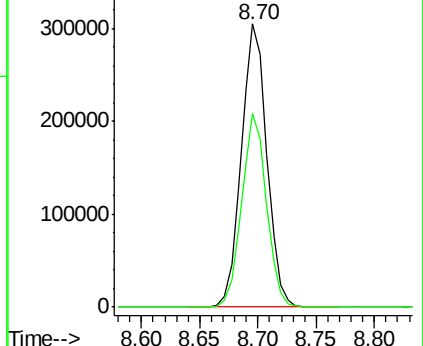
98 100

100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 55.209 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

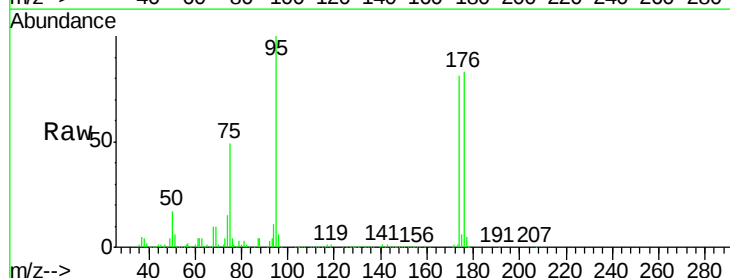
Tgt Ion: 95 Resp: 193594

Ion Ratio Lower Upper

95 100

174 82.8 0.0 164.0

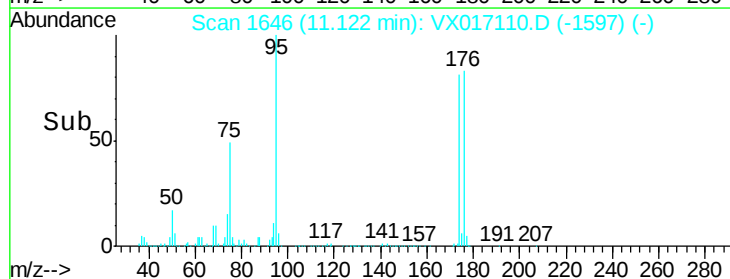
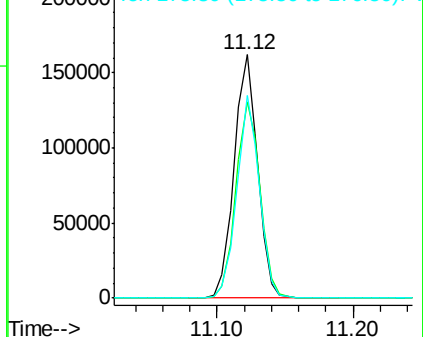
176 79.9 0.0 157.6

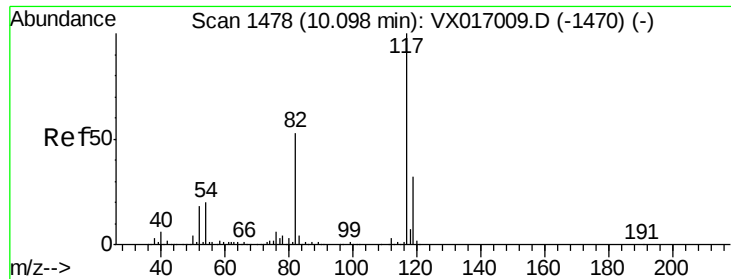


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

Instrument :

MSVOA\_X

ClientSampleId :

63BR-20200629

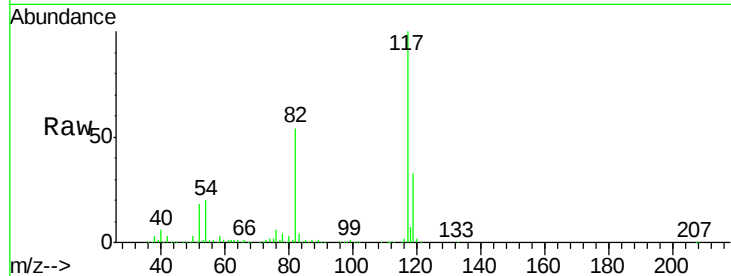
Tot Ion:117 Resp: 386699

Ion Ratio Lower Upper

117 100

82 53.9 42.6 63.8

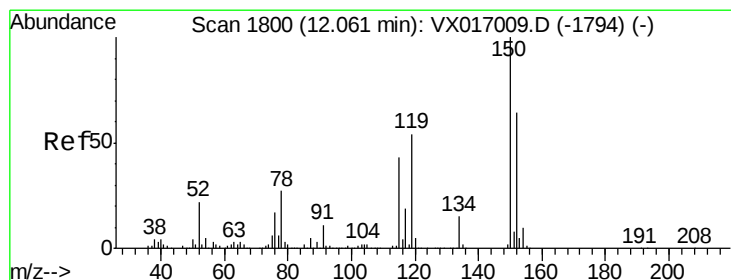
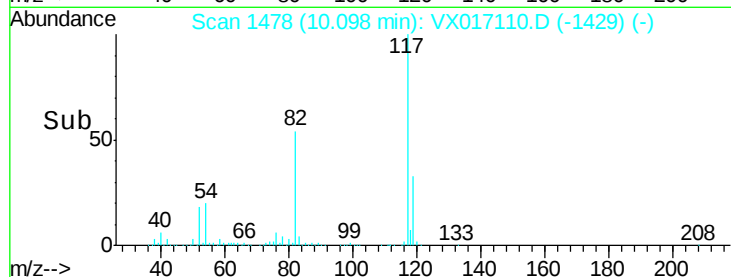
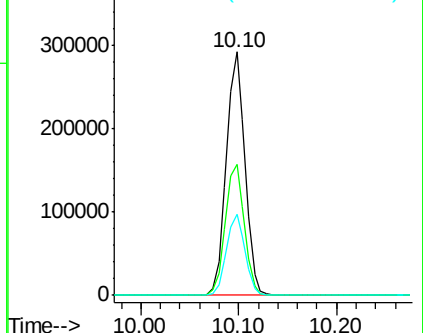
119 33.1 25.4 38.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017110.D

Acq: 01 Jul 2020 19:48

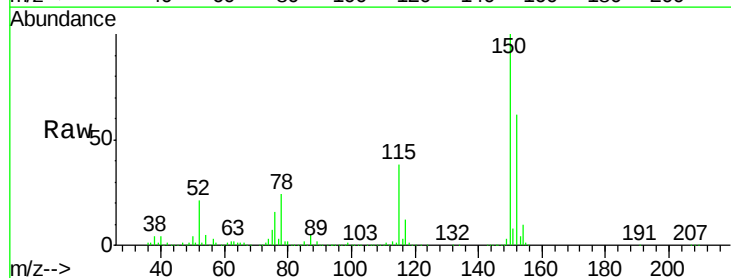
Tgt Ion:152 Resp: 207633

Ion Ratio Lower Upper

152 100

115 58.8 40.9 122.7

150 159.5 0.0 351.6



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

