

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\  
 Data File : VX018441.D  
 Acq On : 16 Sep 2020 15:42  
 Operator : JC/SP  
 Sample : L3988-24  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FC-MW04S-20200910

Quant Time: Sep 17 07:59:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.64  | 168  | 424332   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.84  | 114  | 685749   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 672646   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 324897   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 308651   | 52.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.80% |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 241624   | 51.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.48% |          |
| 50) Toluene-d8              | 8.70  | 98   | 830026   | 47.72 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.44%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 313045   | 45.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.48%  |          |

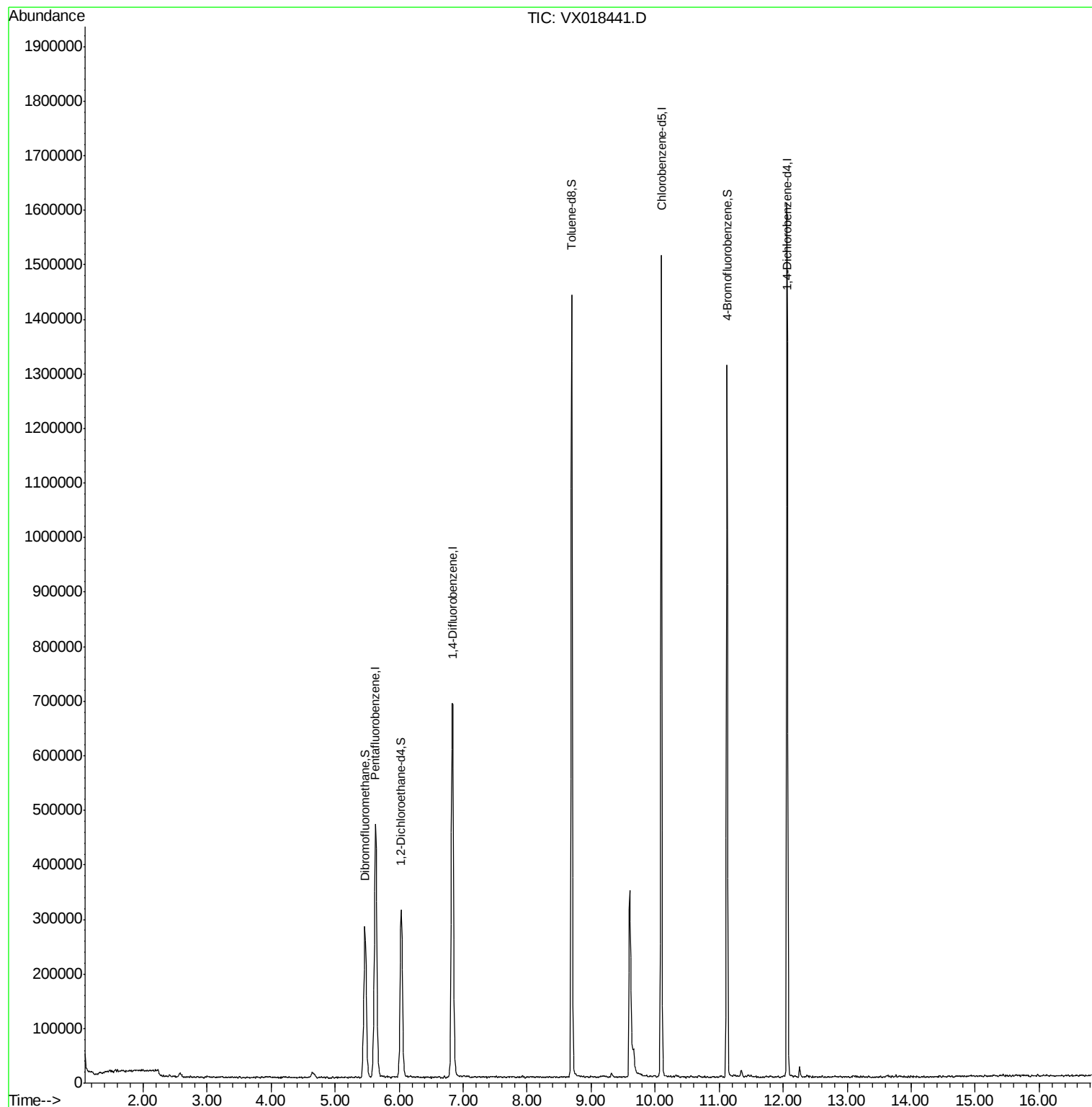
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

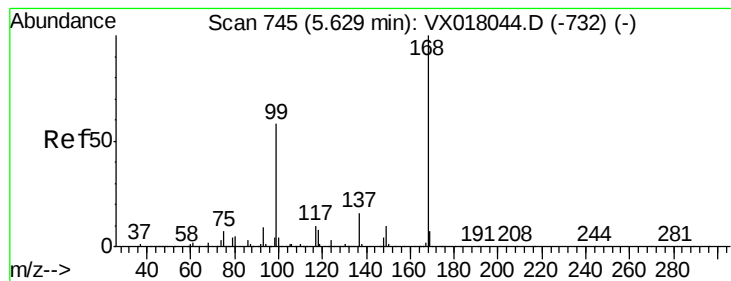
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA\_X

ClientSampleId :

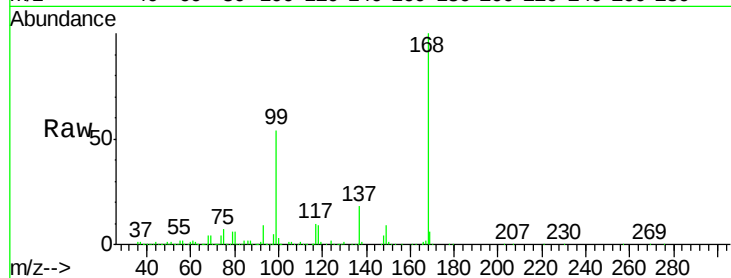
FC-MW04S-20200910

Tot Ion:168 Resp: 424332

Ion Ratio Lower Upper

168 100

99 54.1 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

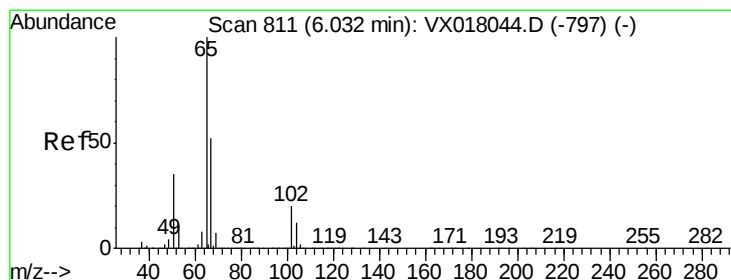
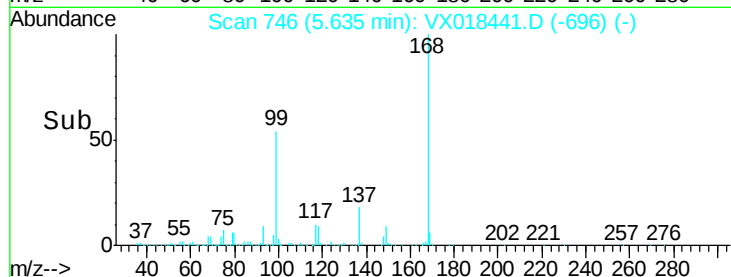
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 52.395 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018441.D

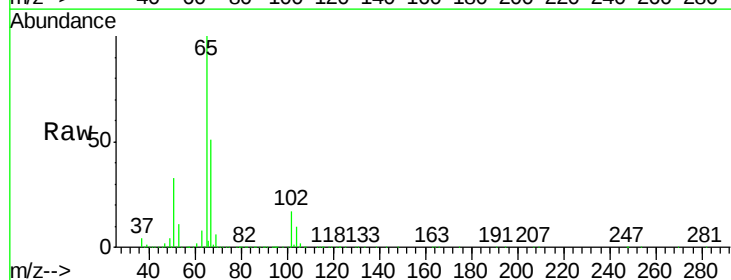
Acq: 16 Sep 2020 15:42

Tgt Ion: 65 Resp: 308651

Ion Ratio Lower Upper

65 100

67 50.8 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

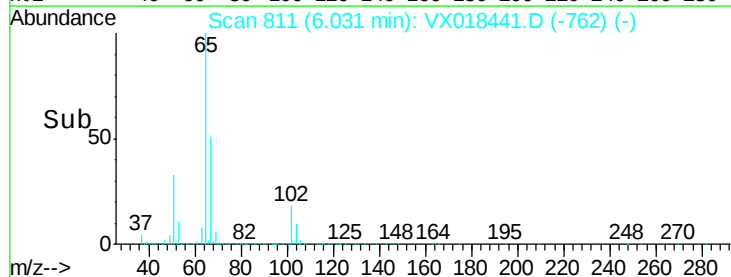
100000

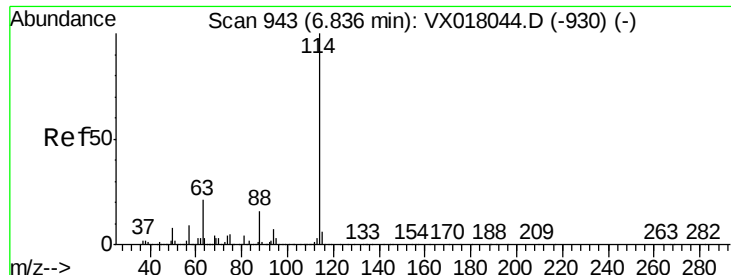
50000

0

5.90 6.00 6.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA\_X

ClientSampleId :

FC-MW04S-20200910

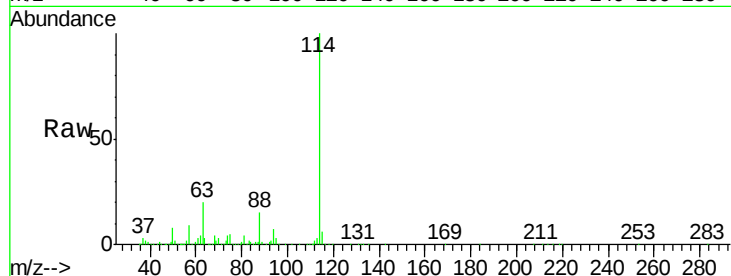
Tot Ion:114 Resp: 685749

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

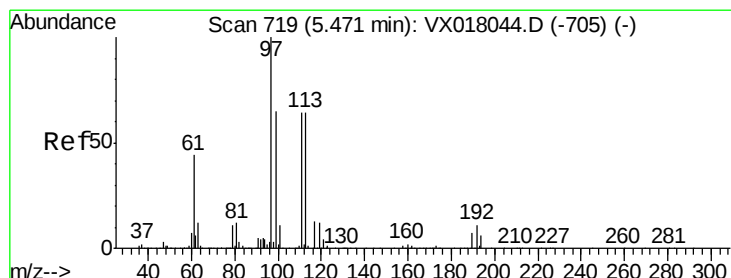
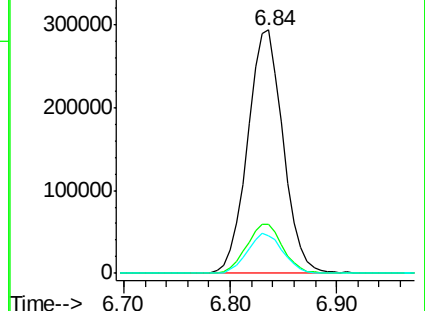
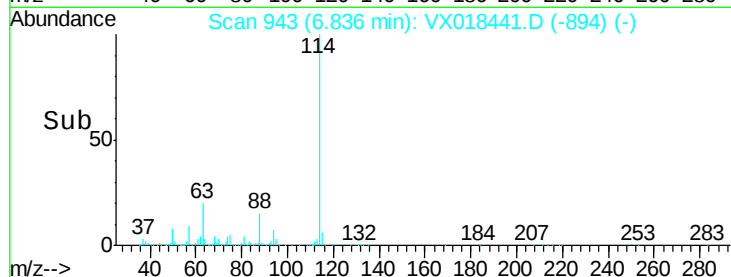
88 15.2 0.0 31.8



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: 51.736 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

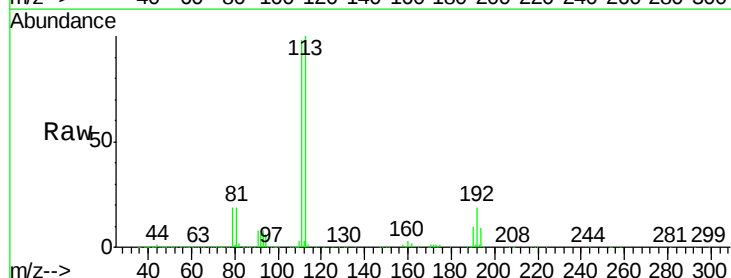
Tgt Ion:113 Resp: 241624

Ion Ratio Lower Upper

113 100

111 100.2 81.6 122.4

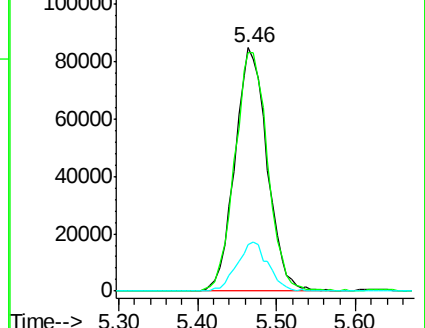
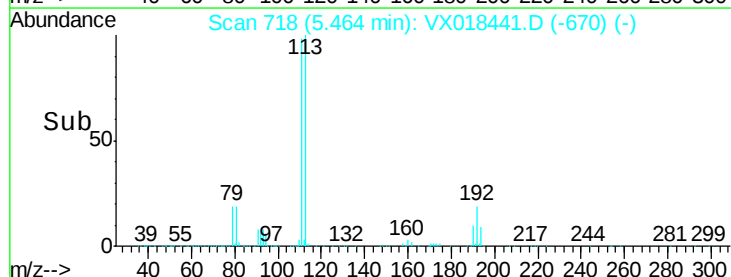
192 19.7 15.8 23.8

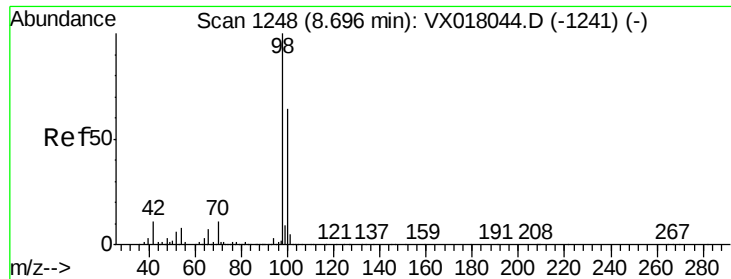


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.717 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA\_X

ClientSampleId :

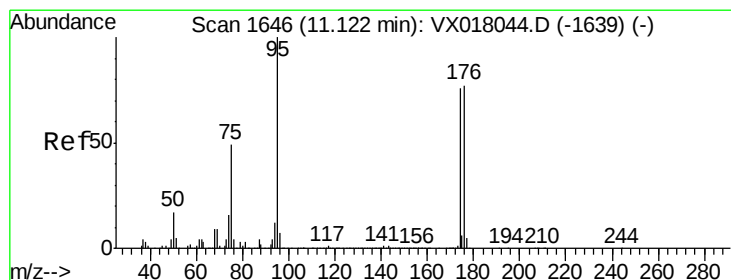
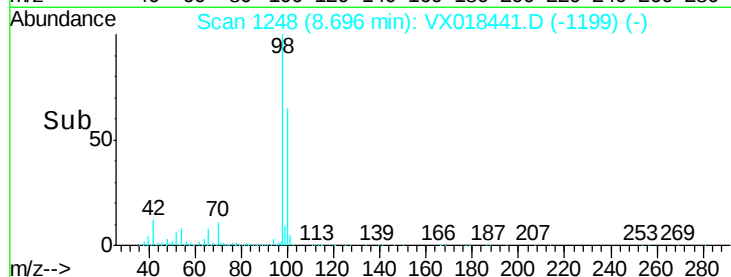
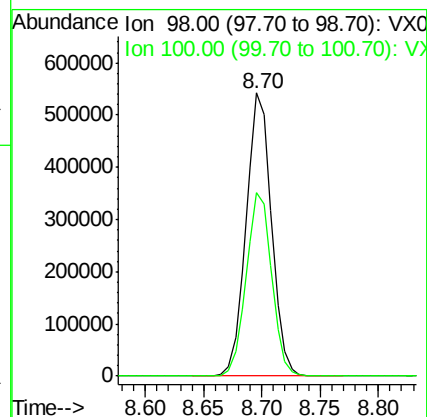
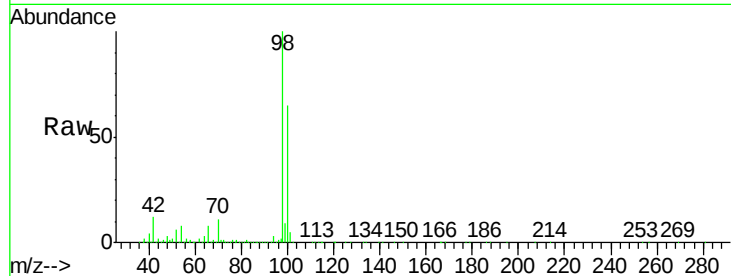
FC-MW04S-20200910

Tot Ion: 98 Resp: 830026

Ion Ratio Lower Upper

98 100

100 65.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.741 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

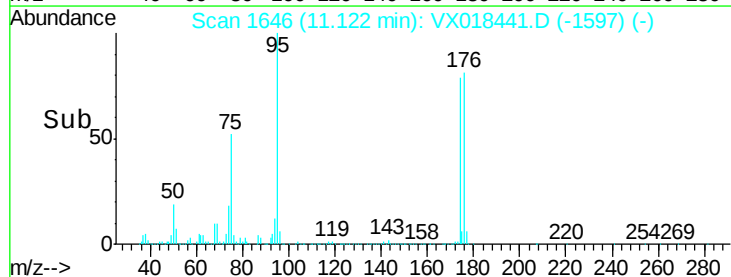
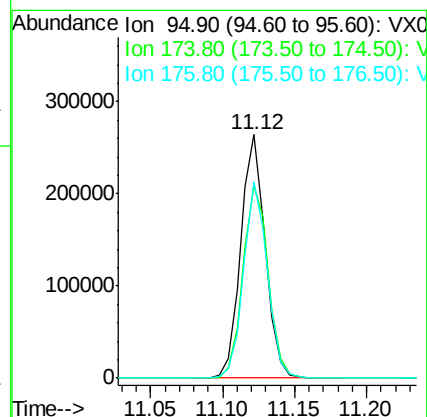
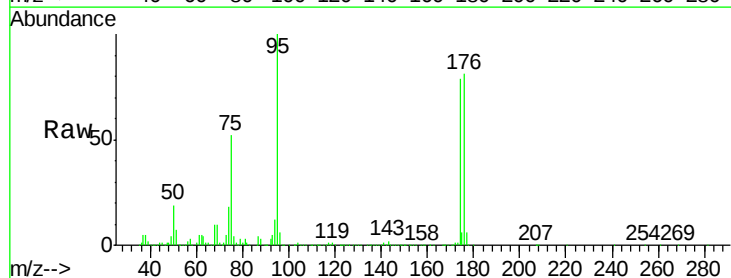
Tgt Ion: 95 Resp: 313045

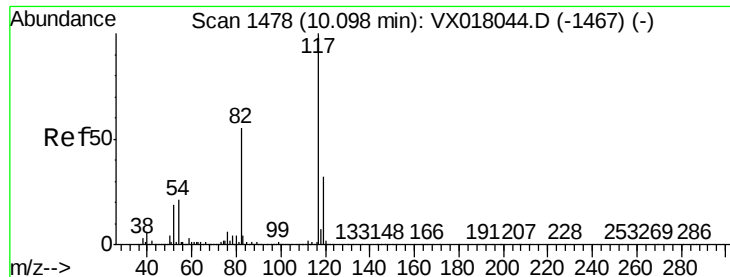
Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.2

176 78.1 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018441.D

Acq: 16 Sep 2020 15:42

Instrument :

MSVOA\_X

ClientSampleId :

FC-MW04S-20200910

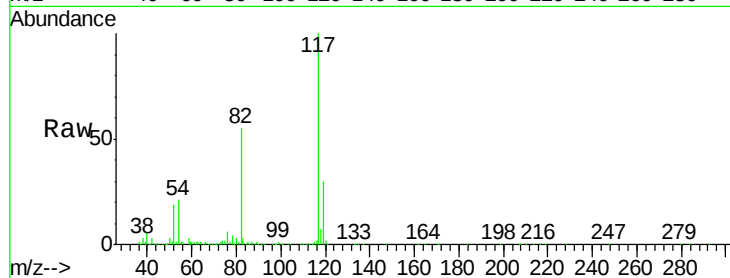
Tot Ion:117 Resp: 672646

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

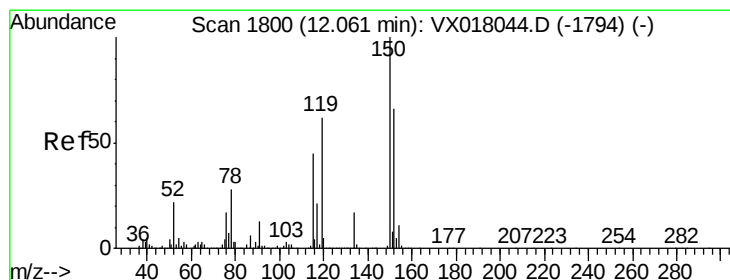
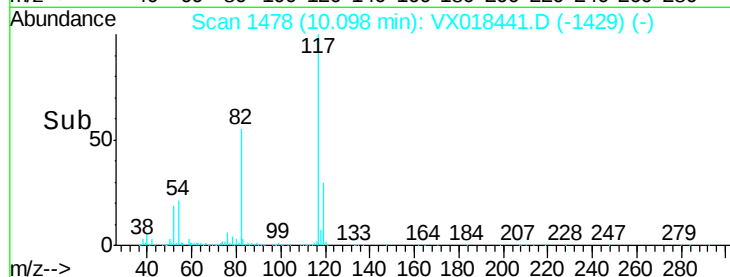
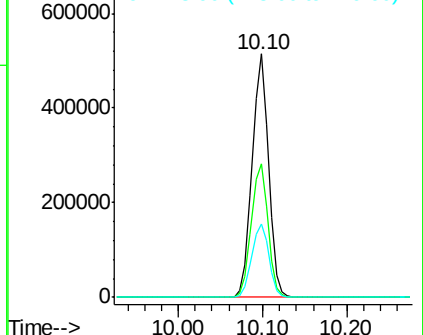
119 30.2 25.7 38.5



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: VX018441.D

Acq: 16 Sep 2020 15:42

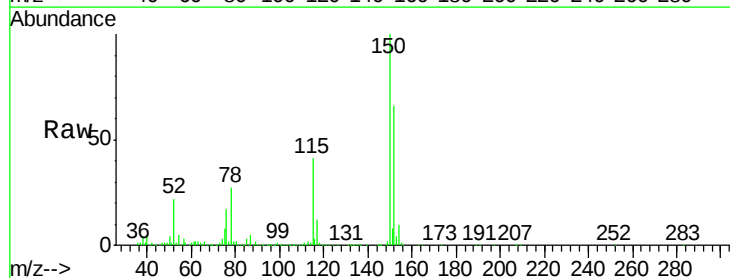
Tgt Ion:152 Resp: 324897

Ion Ratio Lower Upper

152 100

115 59.7 41.5 124.5

150 153.7 0.0 343.8



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

