

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072320\  
 Data File : VX017491.D  
 Acq On : 23 Jul 2020 14:50  
 Operator : JC/SP  
 Sample : L3415-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT-TB-20200722

Quant Time: Jul 24 06:20:01 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 593865   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 978968   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 907324   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 464687   | 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   | 364408   | 47.77 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.54%  |          |
| 35) Dibromofluoromethane    | 5.46  | 113  | 319579   | 48.81 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.62%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 1138529  | 48.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.40%  |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 489902   | 51.83 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.66% |          |

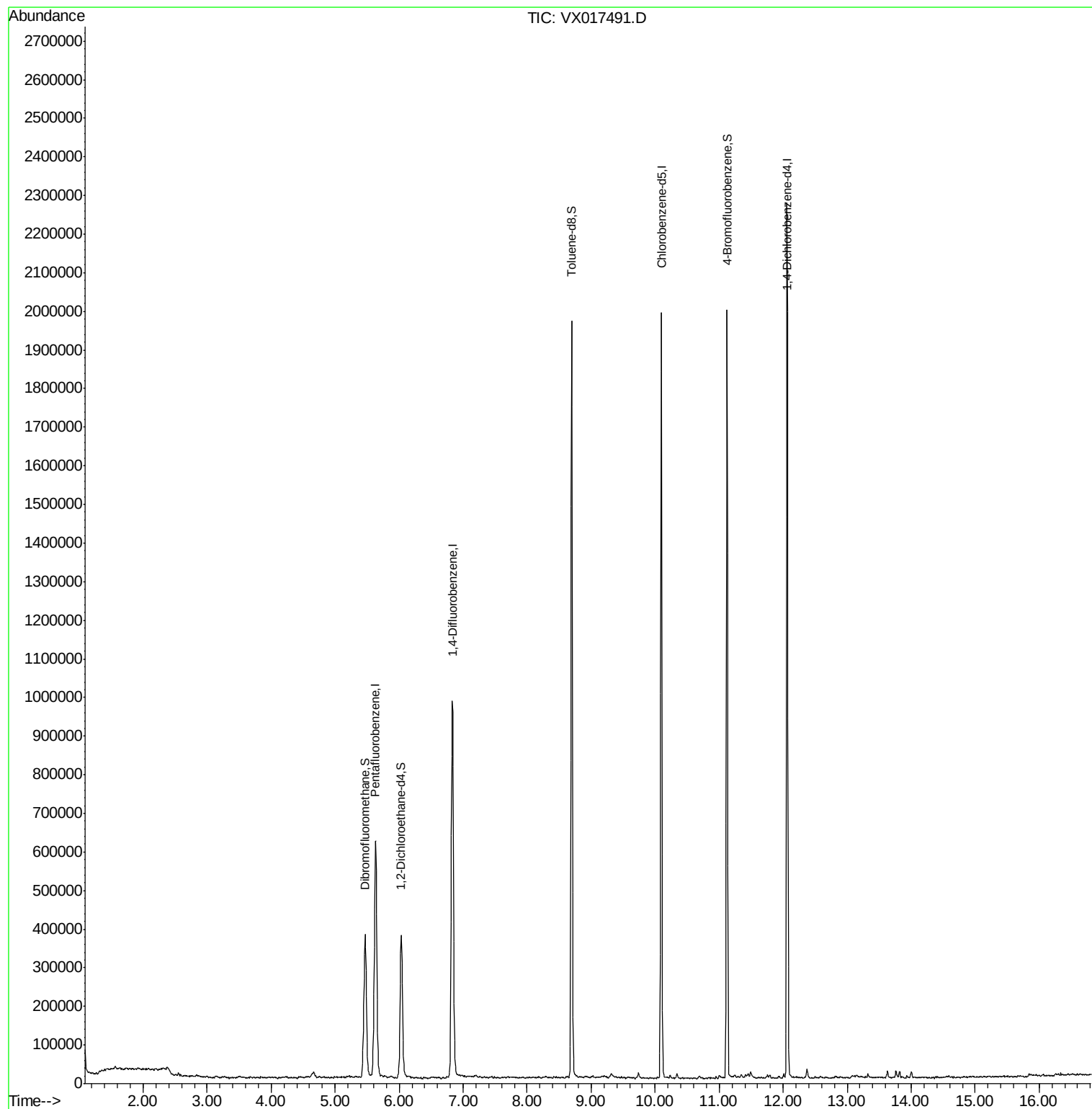
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

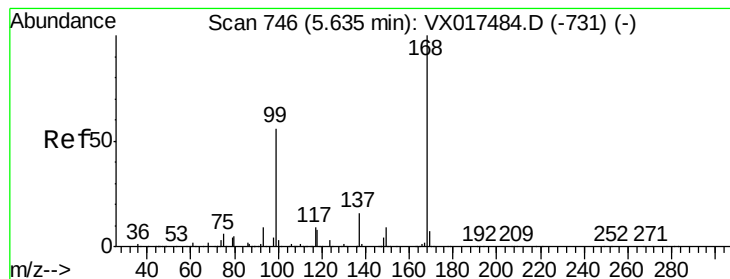
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jul 24 05:48:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017491.D

Acq: 23 Jul 2020 14:50

Instrument :

MSVOA\_X

ClientSampleId :

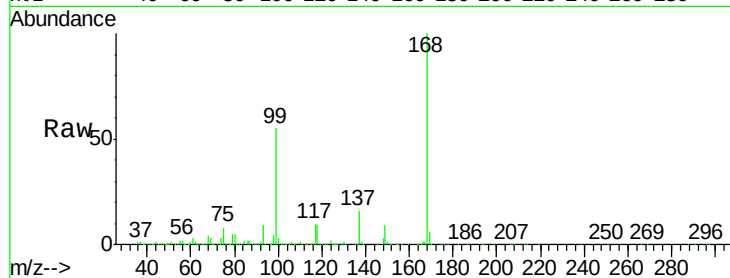
TT-TB-20200722

Tot Ion:168 Resp: 593865

Ion Ratio Lower Upper

168 100

99 55.0 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

250000

200000

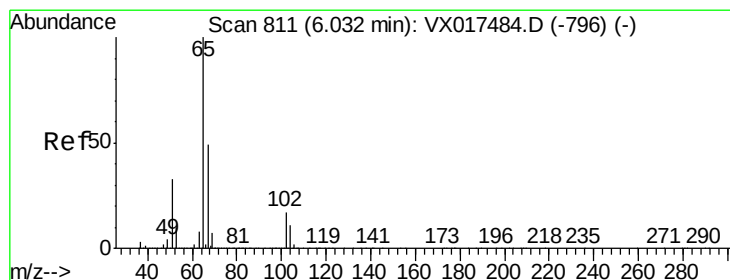
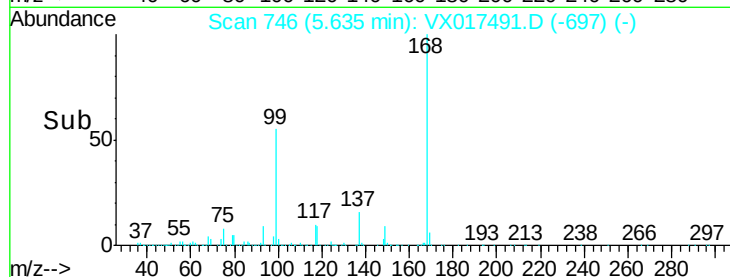
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.770 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017491.D

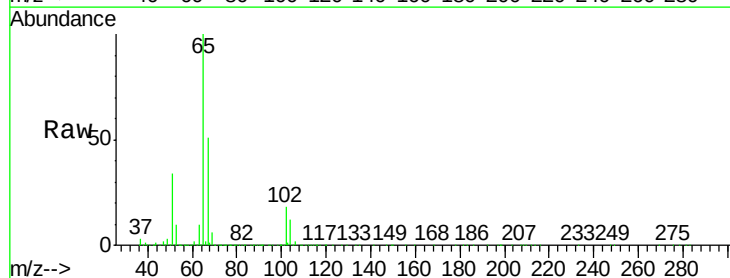
Acq: 23 Jul 2020 14:50

Tgt Ion: 65 Resp: 364408

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

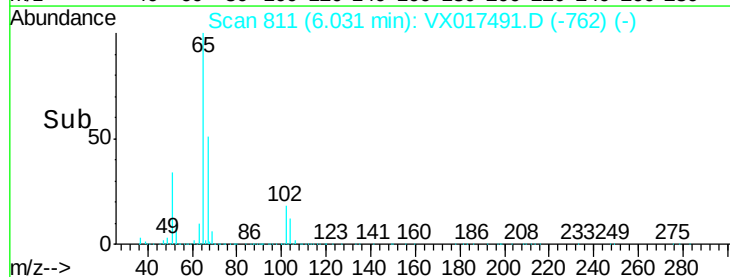
150000

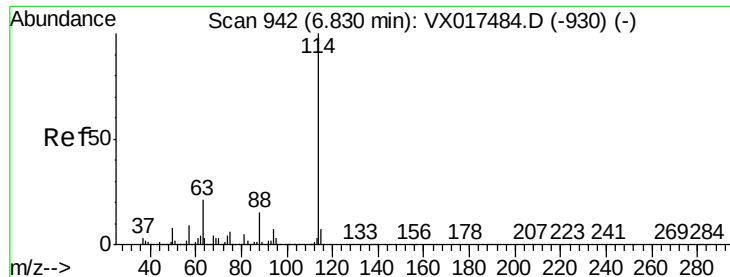
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017491.D

Acq: 23 Jul 2020 14:50

Instrument :

MSVOA\_X

ClientSampleId :

TT-TB-20200722

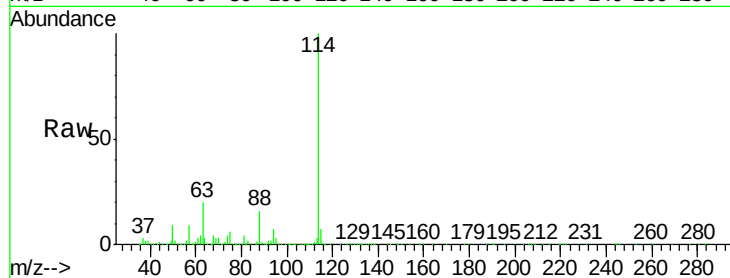
Tot Ion:114 Resp: 978968

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.6

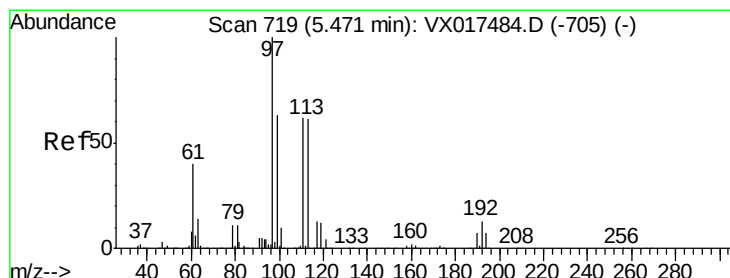
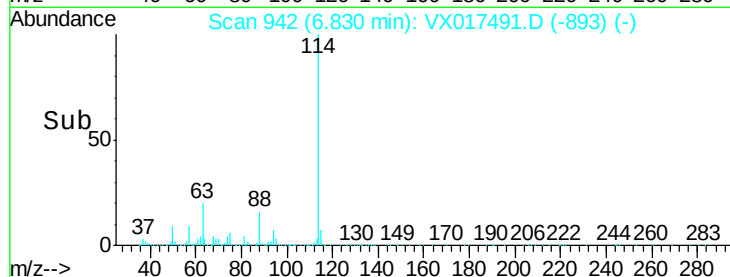
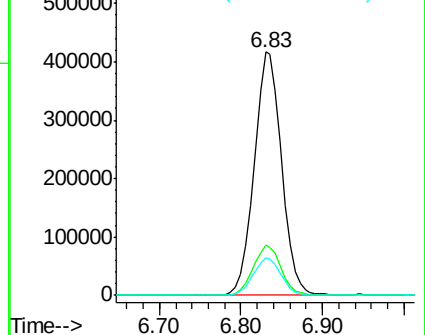
88 15.6 0.0 33.4



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: 48.810 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017491.D

Acq: 23 Jul 2020 14:50

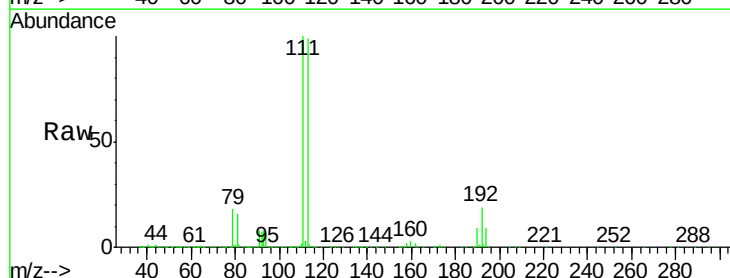
Tgt Ion:113 Resp: 319579

Ion Ratio Lower Upper

113 100

111 103.8 80.7 121.1

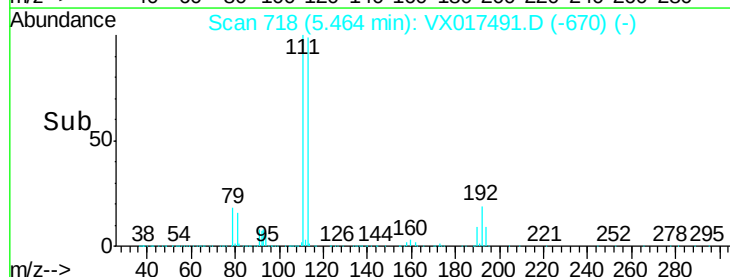
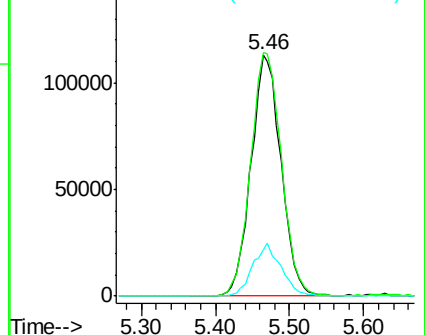
192 20.6 16.9 25.3

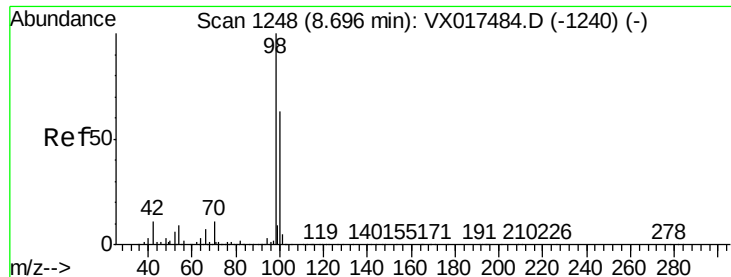


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.203 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017491.D

Acq: 23 Jul 2020 14:50

Instrument :

MSVOA\_X

ClientSampleId :

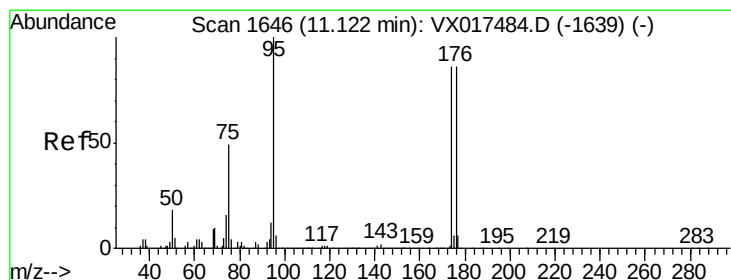
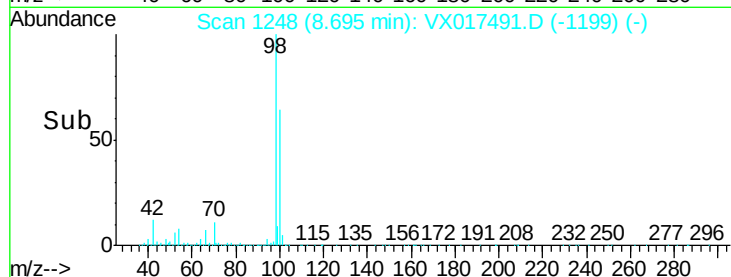
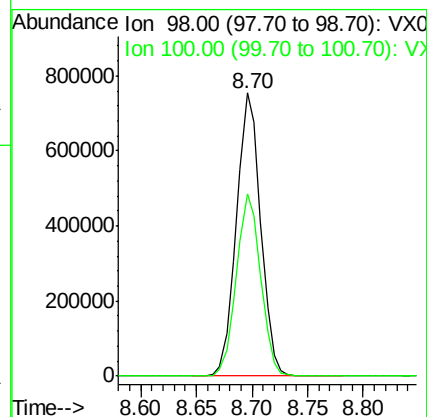
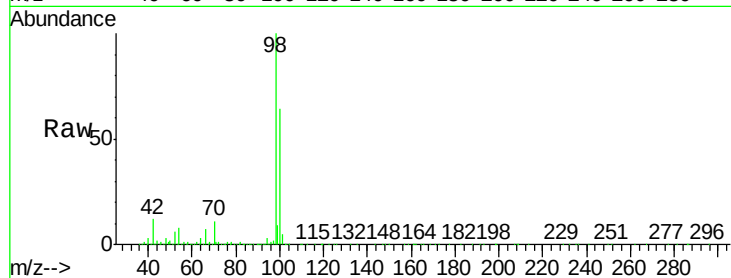
TT-TB-20200722

Tot Ion: 98 Resp: 1138529

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 51.827 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017491.D

Acq: 23 Jul 2020 14:50

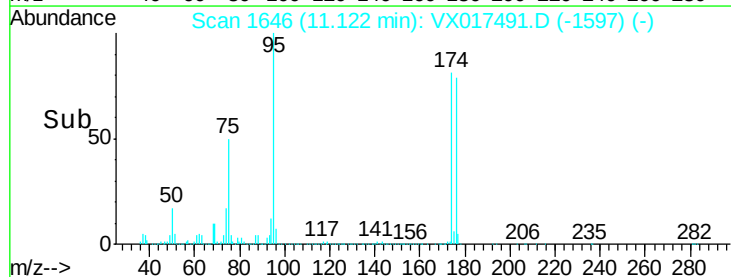
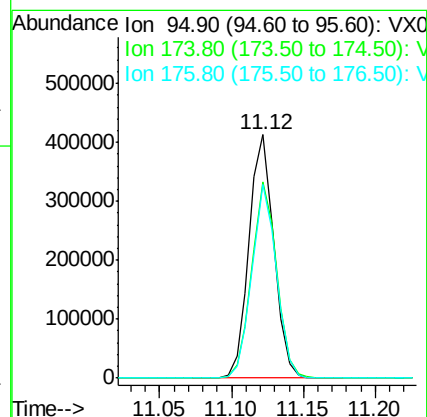
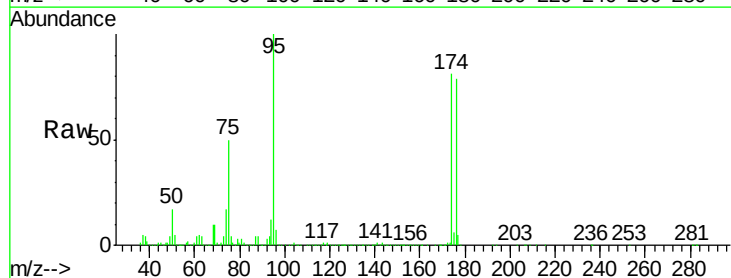
Tgt Ion: 95 Resp: 489902

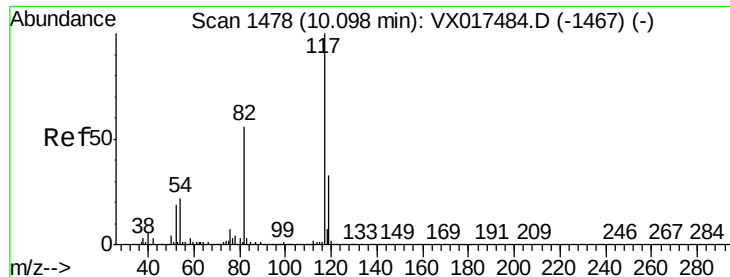
Ion Ratio Lower Upper

95 100

174 81.6 0.0 169.0

176 78.9 0.0 161.0

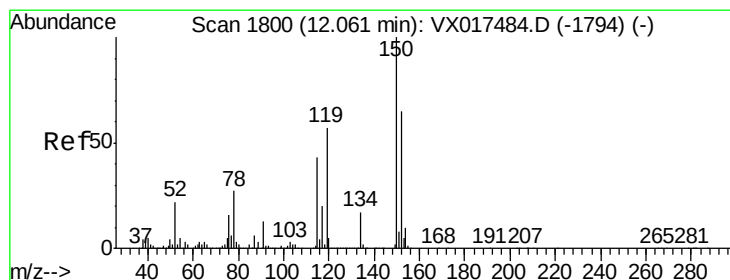
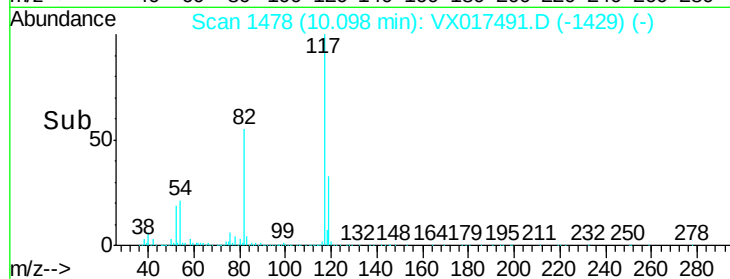
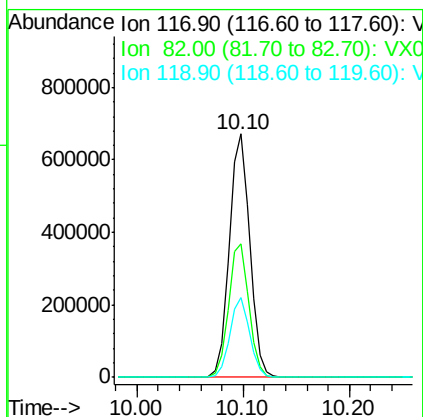
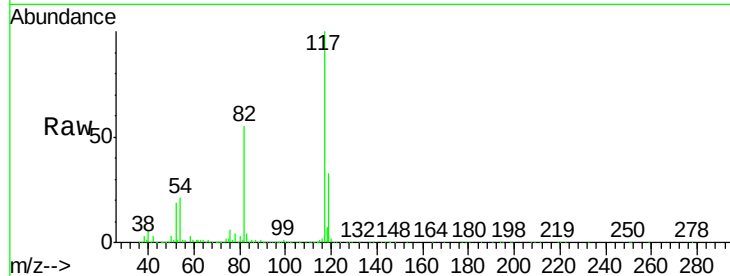




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX017491.D  
Acq: 23 Jul 2020 14:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
TT-TB-20200722

Tot Ion:117 Resp: 907324  
Ion Ratio Lower Upper  
117 100  
82 54.7 44.0 66.0  
119 32.5 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX017491.D  
Acq: 23 Jul 2020 14:50

Tgt Ion:152 Resp: 464687  
Ion Ratio Lower Upper  
152 100  
115 58.6 65.5 196.6#  
150 156.4 0.0 412.6

