

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\  
 Data File : VX018014.D  
 Acq On : 20 Aug 2020 03:52  
 Operator : JC/SP  
 Sample : L3738-06  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB181-GW-438-440

Quant Time: Aug 20 06:22:00 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X081920W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 19 05:36:51 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 511459   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 800871   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 747344   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 373106   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 352985   | 47.08 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.16% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 282313   | 47.34 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.68% |          |
| 50) Toluene-d8              | 8.70  | 98   | 964865   | 45.77 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.54% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 354345   | 45.51 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.02% |          |

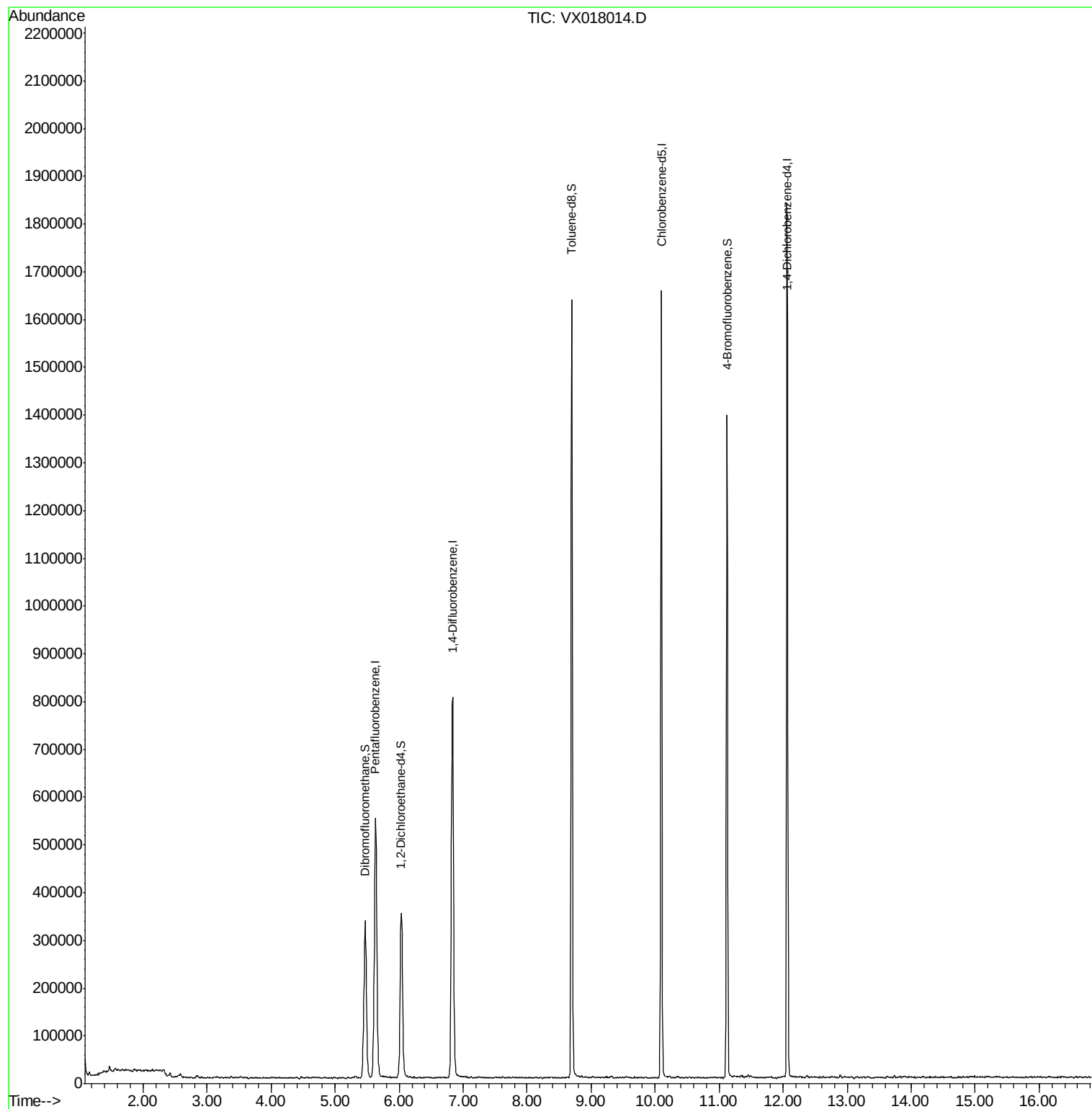
Target Compounds Qvalue

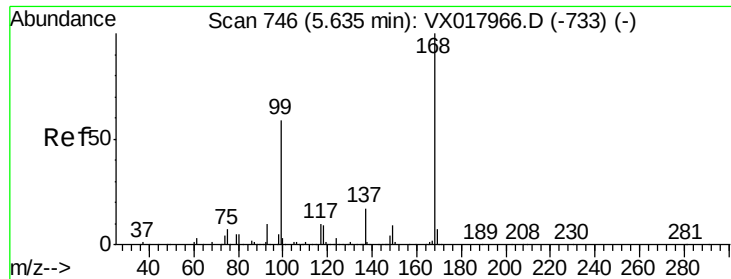
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Aug 19 05:36:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA\_X

ClientSampleId :

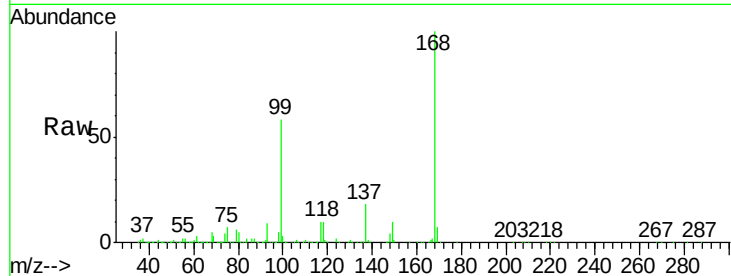
BP-VPB181-GW-438-440

Tot Ion:168 Resp: 511459

Ion Ratio Lower Upper

168 100

99 58.1 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

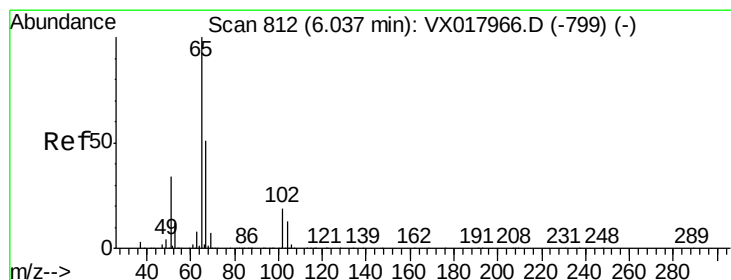
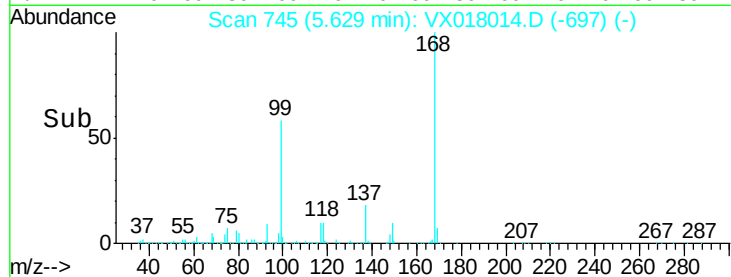
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 47.080 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX018014.D

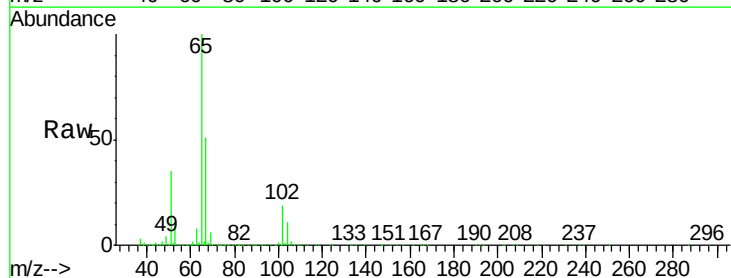
Acq: 20 Aug 2020 03:52

Tgt Ion: 65 Resp: 352985

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

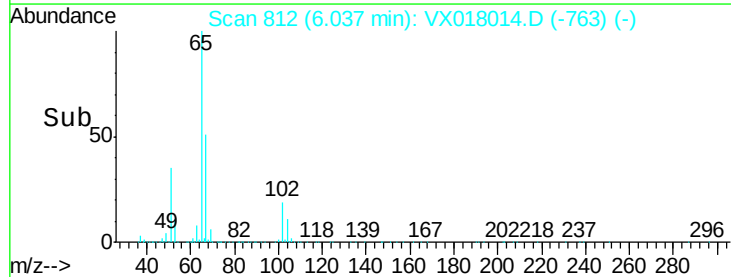
150000

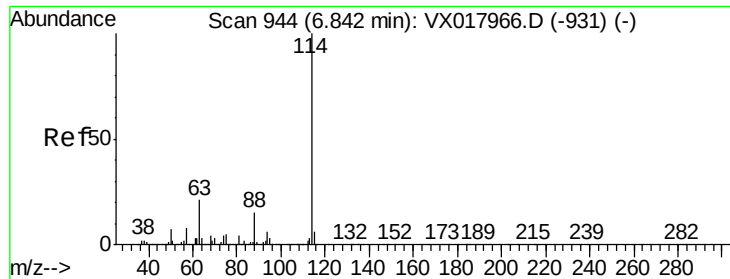
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB181-GW-438-440

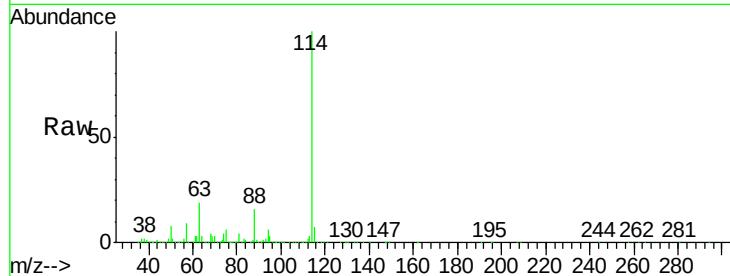
Tot Ion:114 Resp: 800871

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

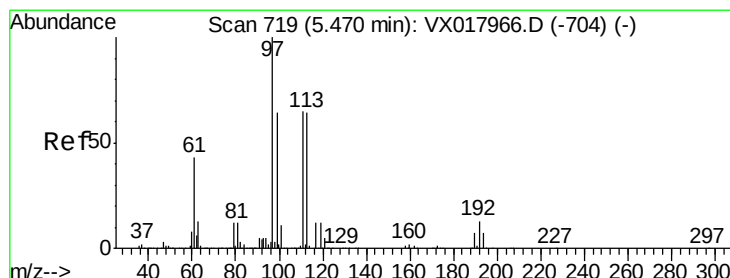
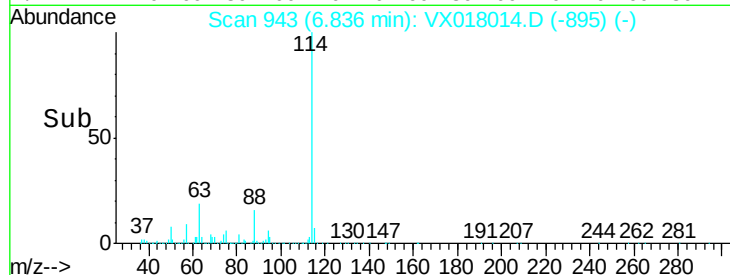
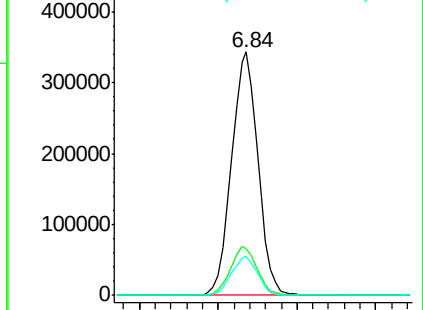
88 16.1 0.0 30.2



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: 47.337 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

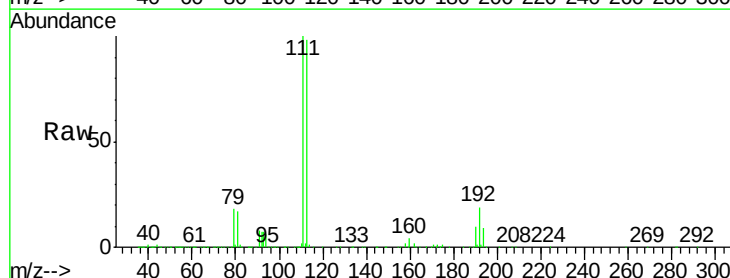
Tgt Ion:113 Resp: 282313

Ion Ratio Lower Upper

113 100

111 102.0 83.5 125.3

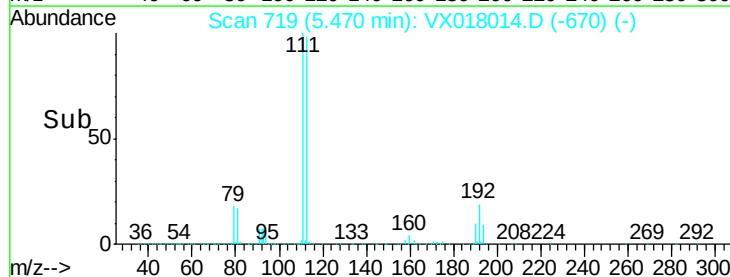
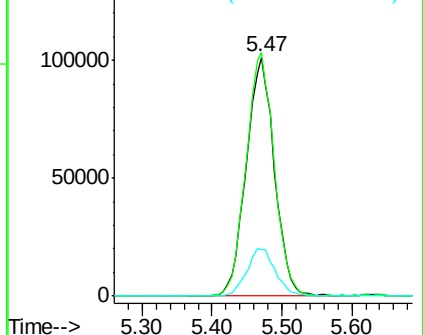
192 20.1 16.2 24.4

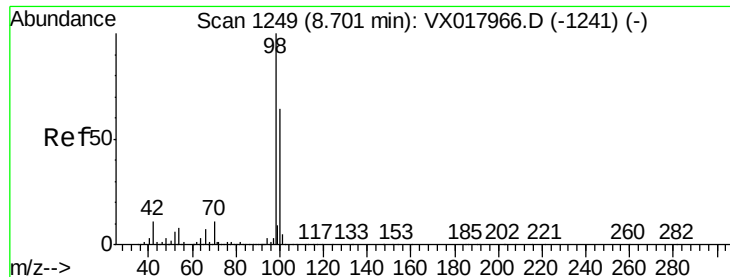


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 45.769 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

Instrument :

MSVOA\_X

ClientSampleId :

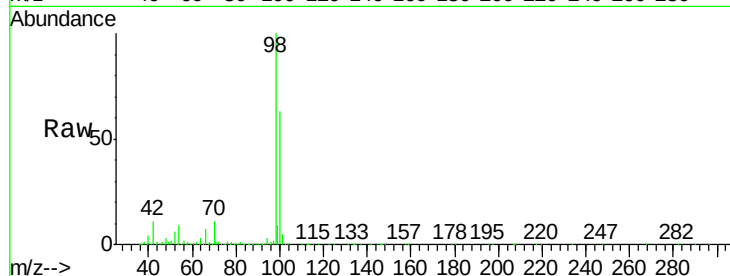
BP-VPB181-GW-438-440

Tot Ion: 98 Resp: 964865

Ion Ratio Lower Upper

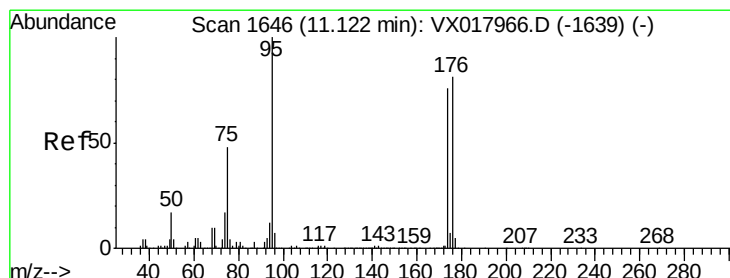
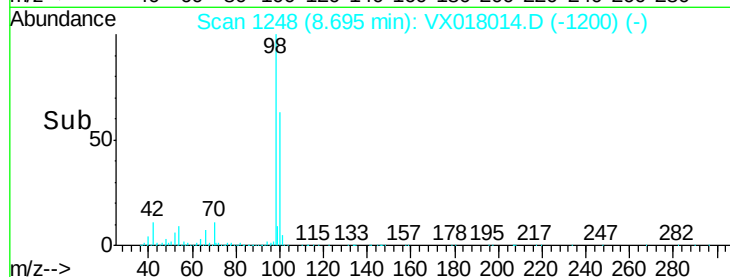
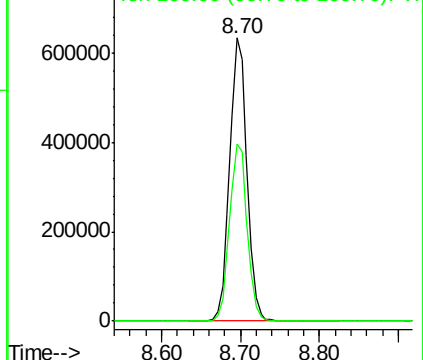
98 100

100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.510 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018014.D

Acq: 20 Aug 2020 03:52

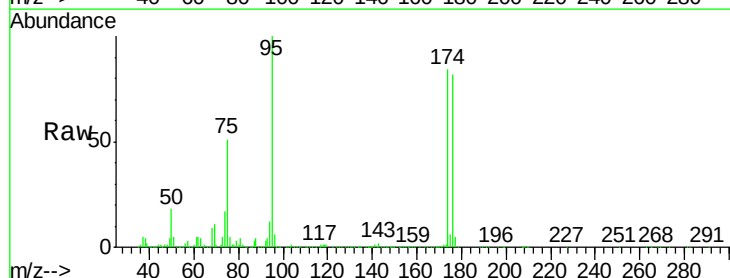
Tgt Ion: 95 Resp: 354345

Ion Ratio Lower Upper

95 100

174 82.0 0.0 166.0

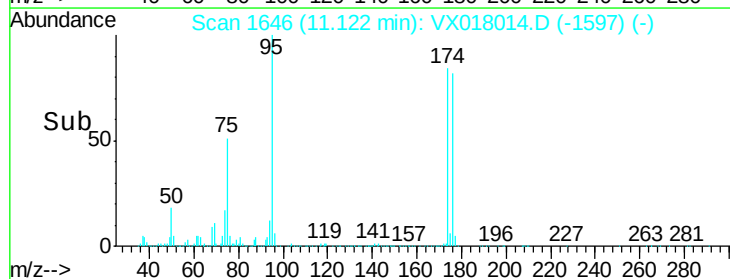
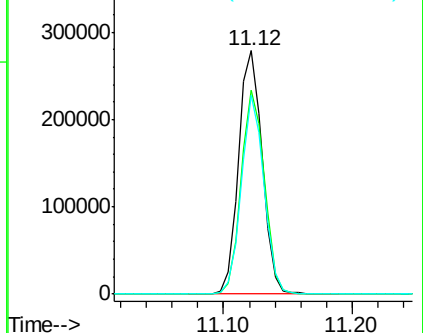
176 77.9 0.0 161.0

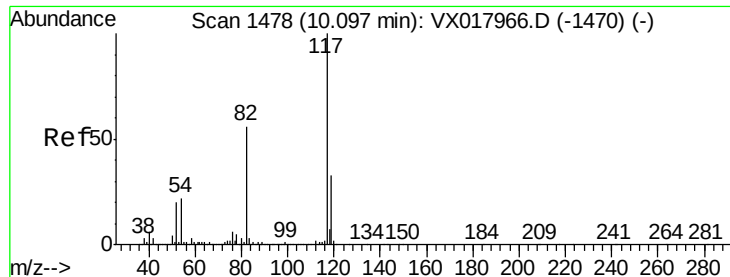


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

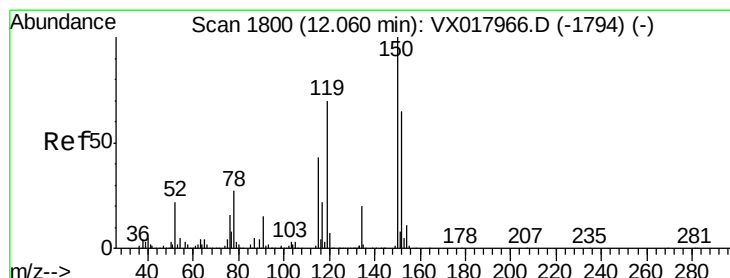
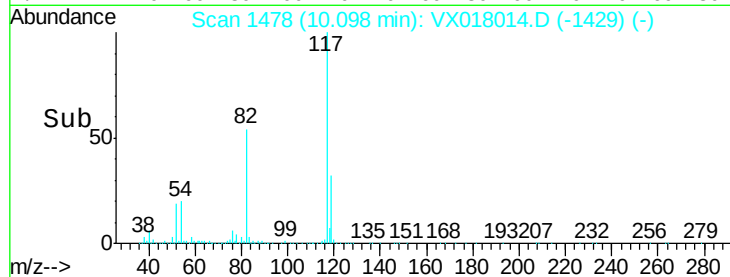
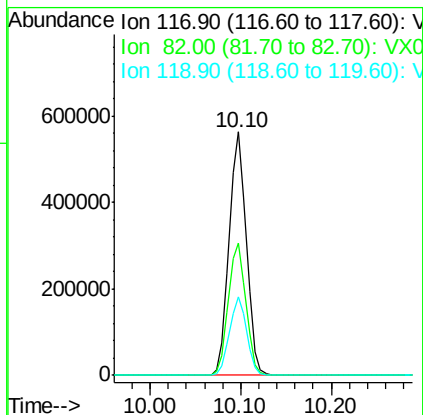
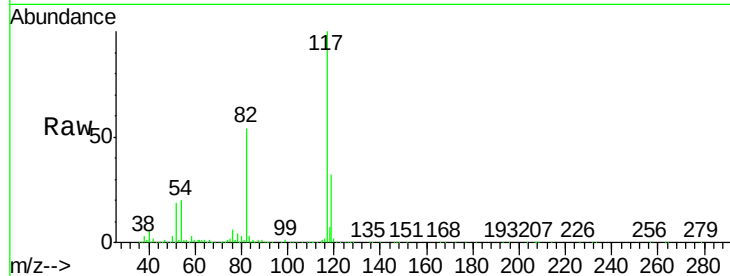




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX018014.D  
Acq: 20 Aug 2020 03:52

Instrument :  
MSVOA\_X  
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BP-VPB181-GW-438-440

Tot Ion:117 Resp: 747344  
Ion Ratio Lower Upper  
117 100  
82 54.4 44.6 66.8  
119 32.3 26.2 39.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. 0.00 min  
Lab File: VX018014.D  
Acq: 20 Aug 2020 03:52

Tgt Ion:152 Resp: 373106  
Ion Ratio Lower Upper  
152 100  
115 57.7 40.6 121.7  
150 156.1 0.0 346.4

