

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\  
 Data File : VX018003.D  
 Acq On : 19 Aug 2020 23:41  
 Operator : JC/SP  
 Sample : L3694-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-BR1-081320

Quant Time: Aug 20 06:00:41 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

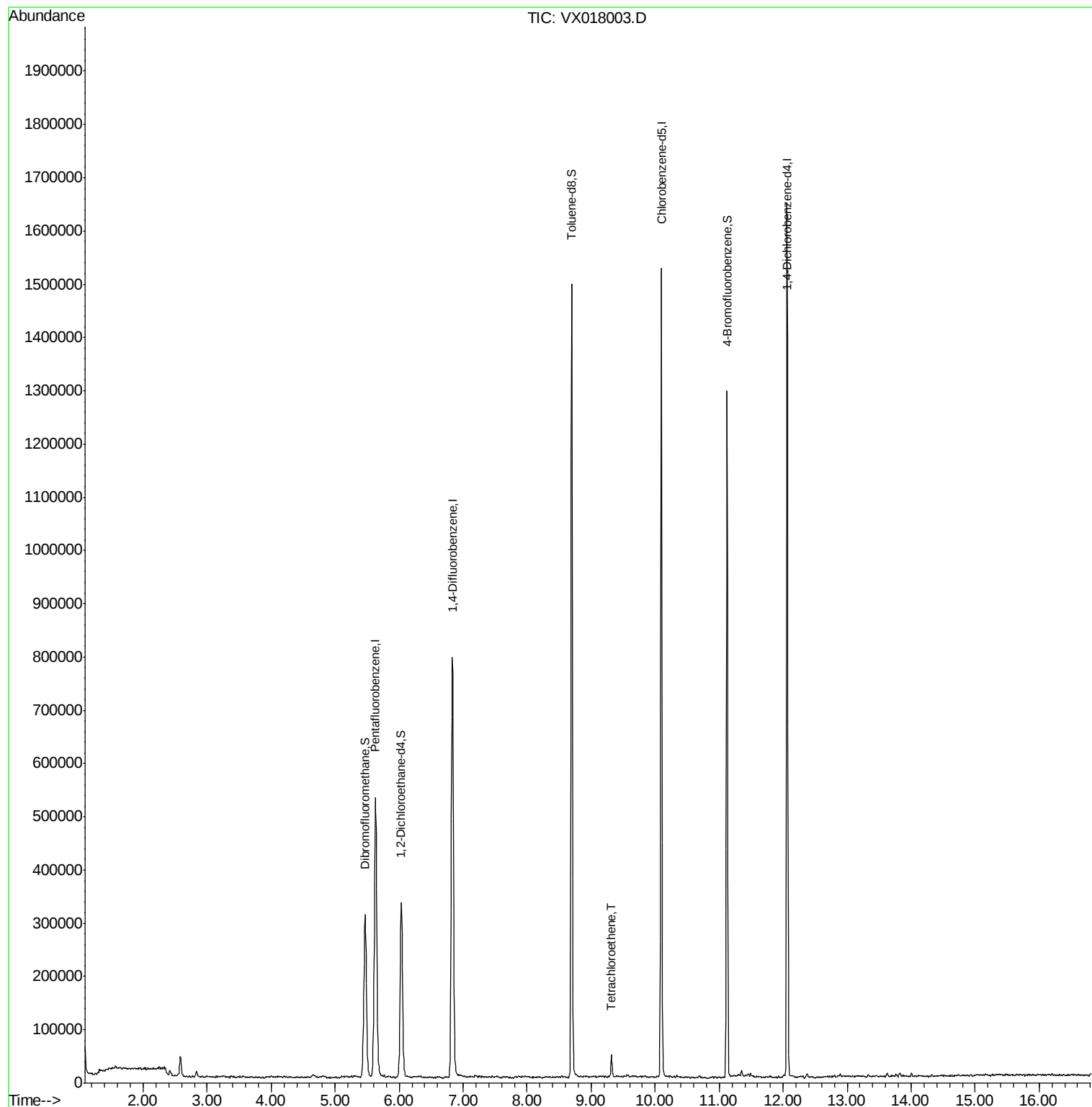
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 484563   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.83  | 114  | 783828   | 50.00 | ug/l   | -0.01     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 684610   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 343049   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 321650   | 45.28 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.56% |           |
| 35) Dibromofluoromethane    | 5.46  | 113  | 266898   | 45.72 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.44% |           |
| 50) Toluene-d8              | 8.70  | 98   | 892098   | 43.24 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.48% |           |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 313751   | 41.17 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 82.34% |           |
| Target Compounds            |       |      |          |       |        |           |
| 64) Tetrachloroethene       | 9.32  | 164  | 6821     | 1.305 | ug/l # | Qvalue 89 |

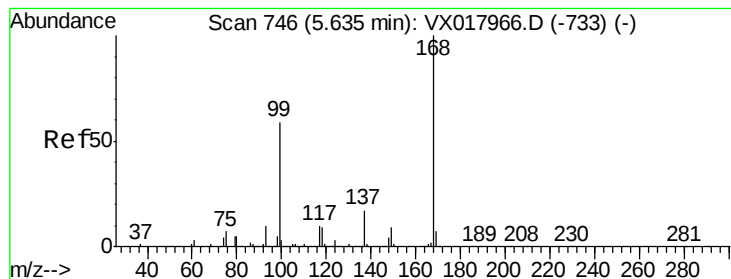
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018003.D

Acq: 19 Aug 2020 23:41

Instrument :

MSVOA\_X

ClientSampleId :

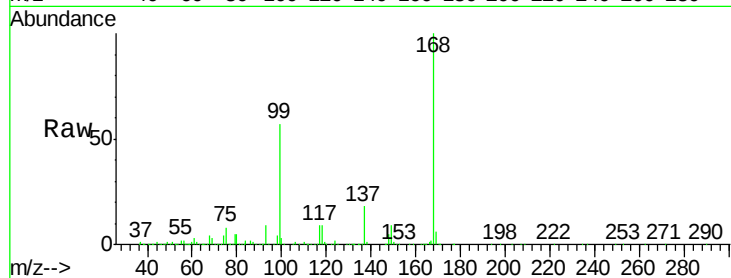
MW-BR1-081320

Tot Ion:168 Resp: 484563

Ion Ratio Lower Upper

168 100

99 57.1 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

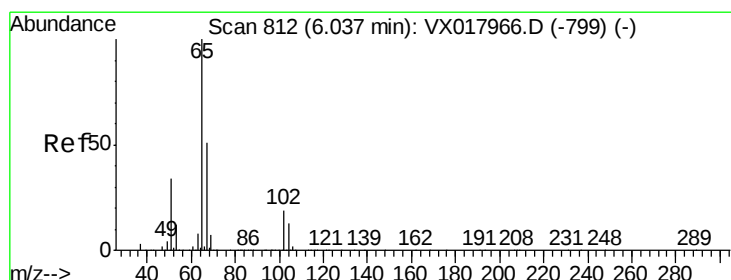
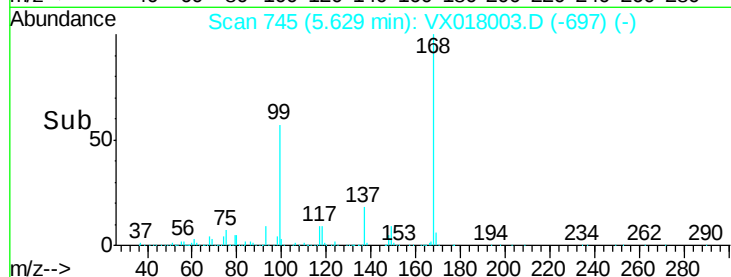
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.282 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX018003.D

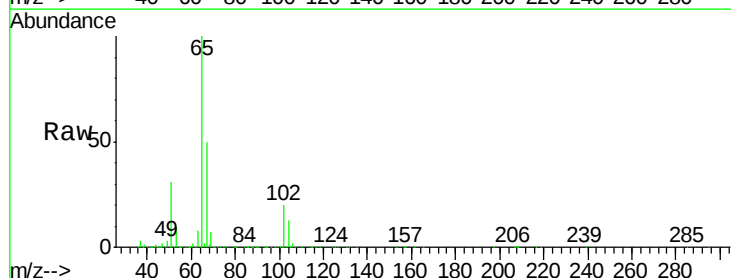
Acq: 19 Aug 2020 23:41

Tgt Ion: 65 Resp: 321650

Ion Ratio Lower Upper

65 100

67 50.4 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

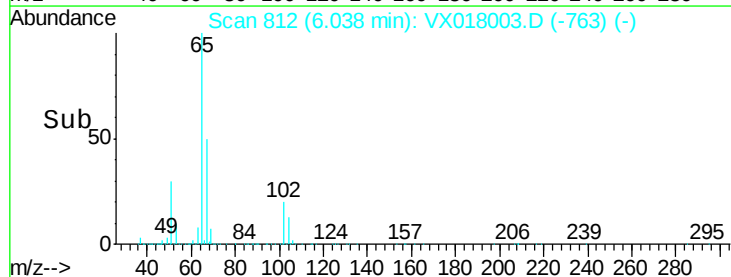
150000

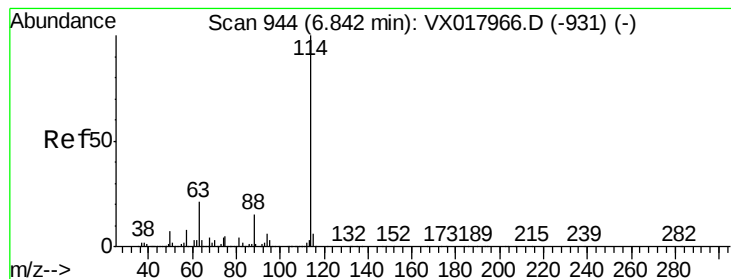
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018003.D

Acq: 19 Aug 2020 23:41

Instrument :

MSVOA\_X

ClientSampleId :

MW-BR1-081320

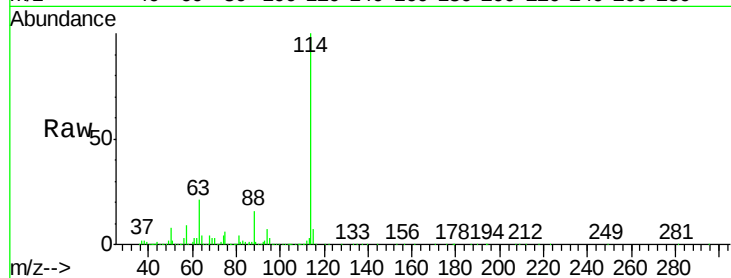
Tot Ion:114 Resp: 783828

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

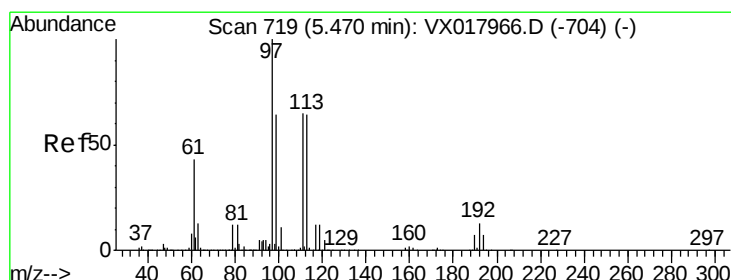
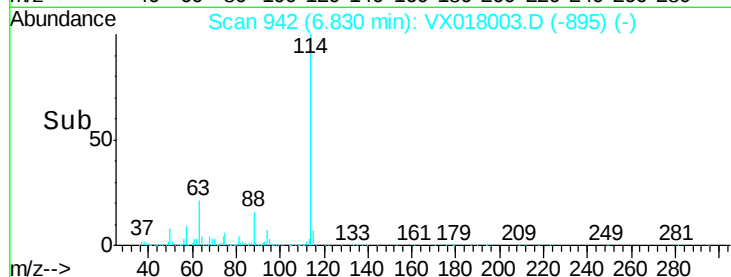
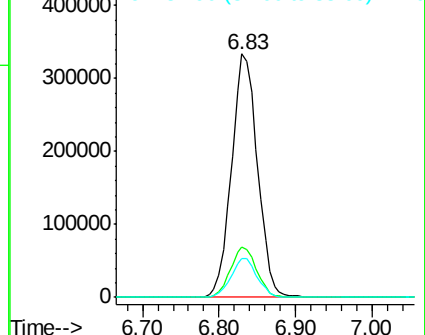
88 16.0 0.0 30.2



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: 45.725 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018003.D

Acq: 19 Aug 2020 23:41

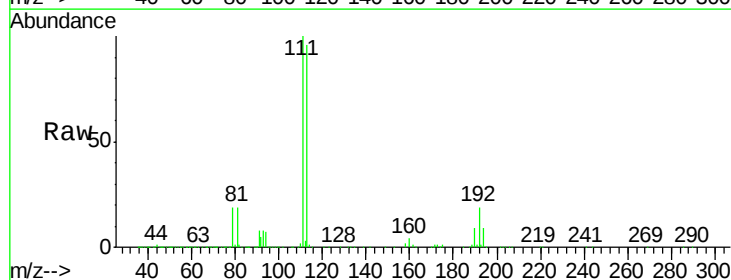
Tgt Ion:113 Resp: 266898

Ion Ratio Lower Upper

113 100

111 101.3 83.5 125.3

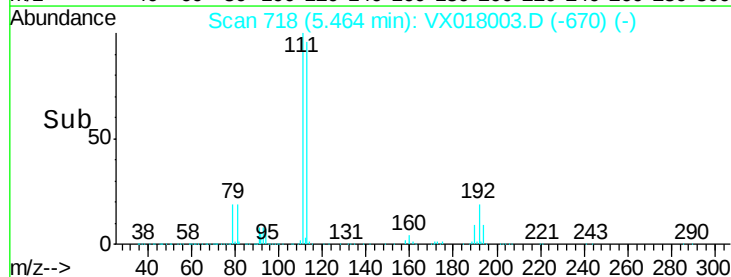
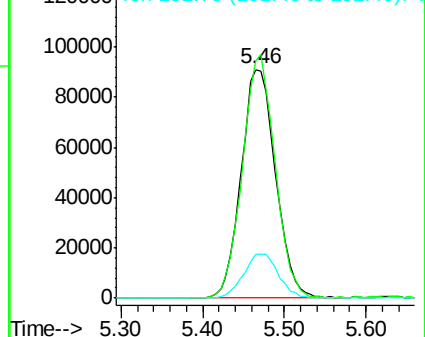
192 19.5 16.2 24.4

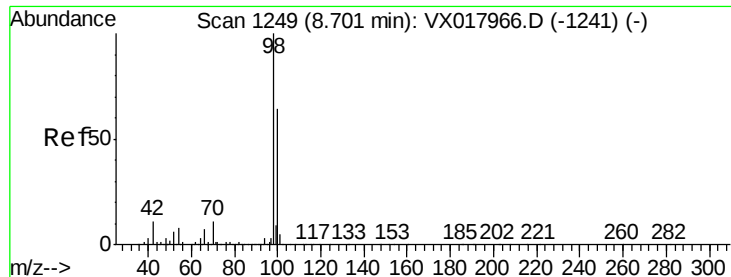


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 43.237 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX018003.D

Acq: 19 Aug 2020 23:41

Instrument :

MSVOA\_X

ClientSampleId :

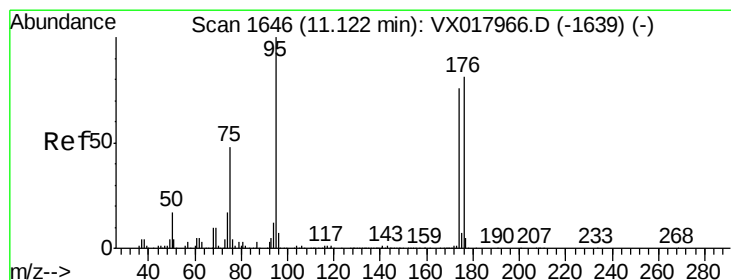
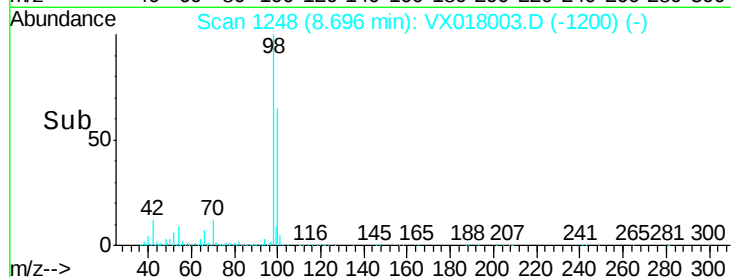
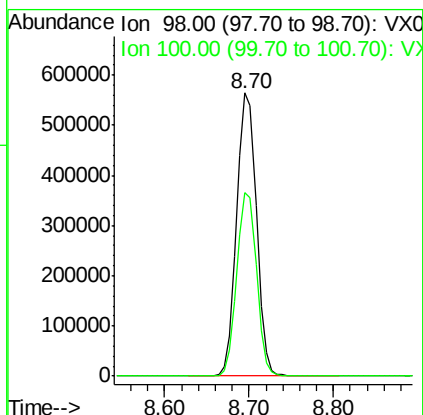
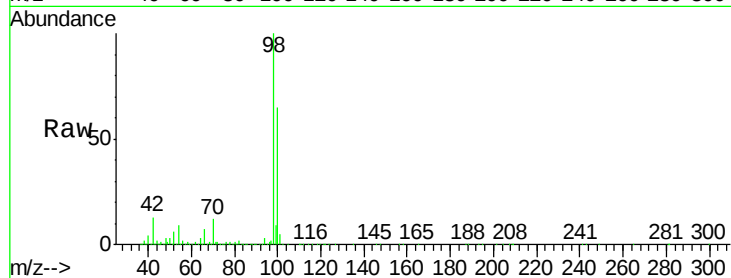
MW-BR1-081320

Tot Ion: 98 Resp: 892098

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 41.172 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018003.D

Acq: 19 Aug 2020 23:41

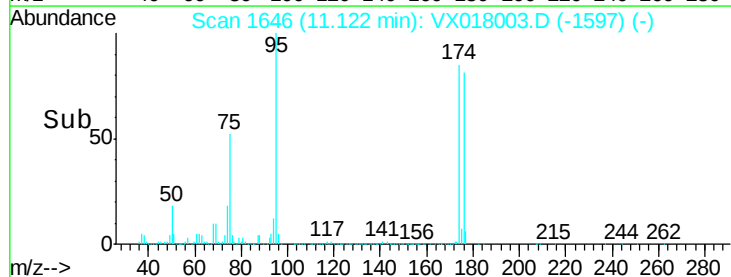
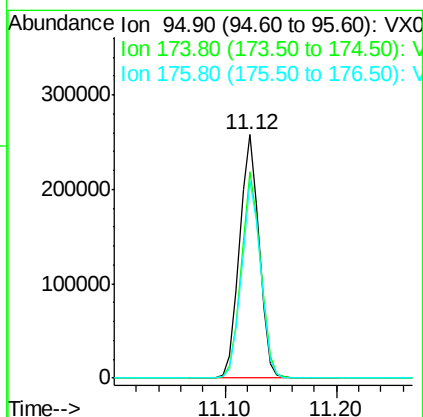
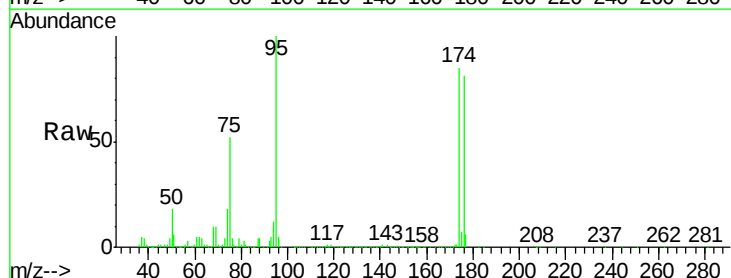
Tgt Ion: 95 Resp: 313751

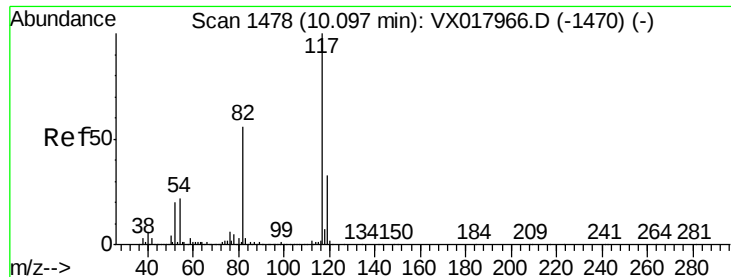
Ion Ratio Lower Upper

95 100

174 84.0 0.0 166.0

176 79.1 0.0 161.0

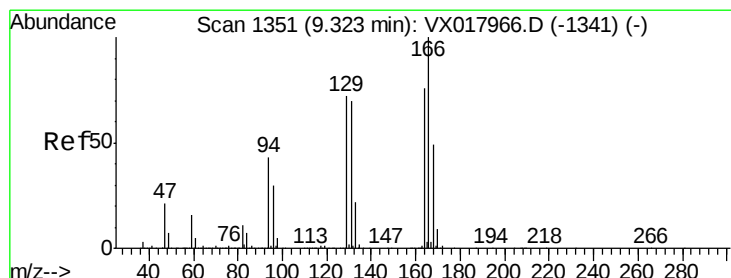
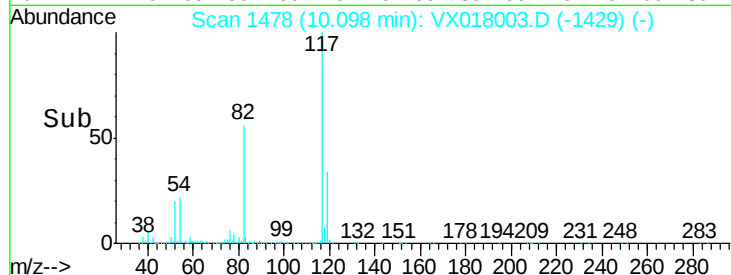
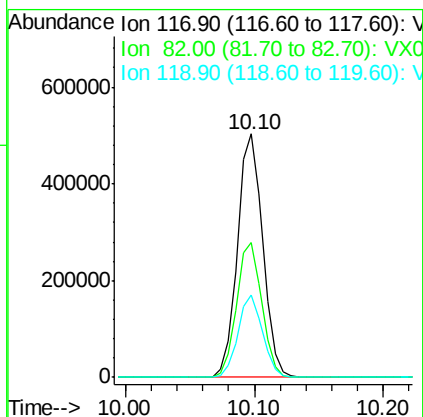
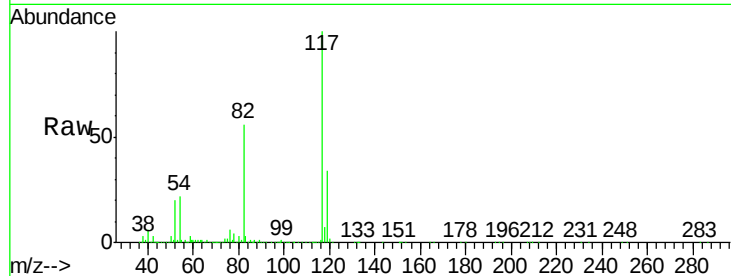




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. 0.00 min  
Lab File: VX018003.D  
Acq: 19 Aug 2020 23:41

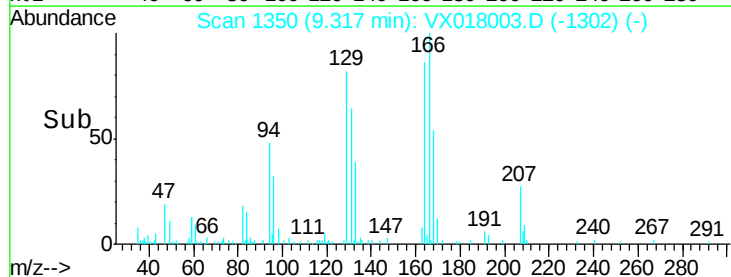
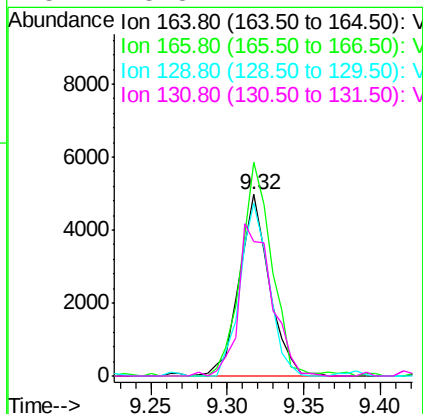
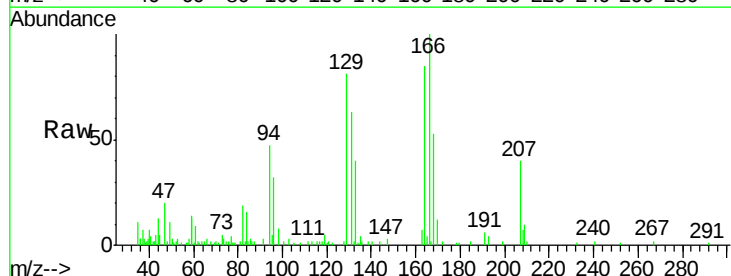
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-BR1-081320

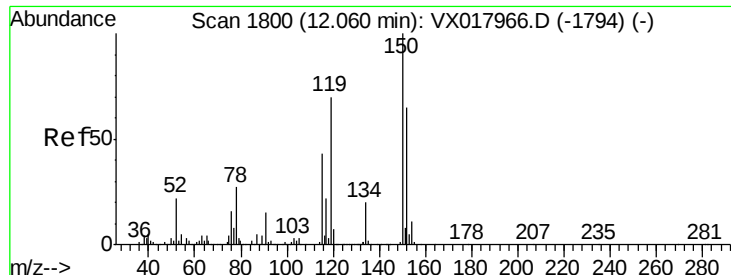
Tot Ion:117 Resp: 684610  
Ion Ratio Lower Upper  
117 100  
82 55.6 44.6 66.8  
119 33.7 26.2 39.4



#64  
Tetrachloroethene  
Concen: 1.305 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.01 min  
Lab File: VX018003.D  
Acq: 19 Aug 2020 23:41

Tgt Ion:164 Resp: 6821  
Ion Ratio Lower Upper  
164 100  
166 117.6 105.7 158.5  
129 95.1 75.8 113.8  
131 73.8 74.2 111.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018003.D

Acq: 19 Aug 2020 23:41

Instrument :

MSVOA\_X

ClientSampleId :

MW-BR1-081320

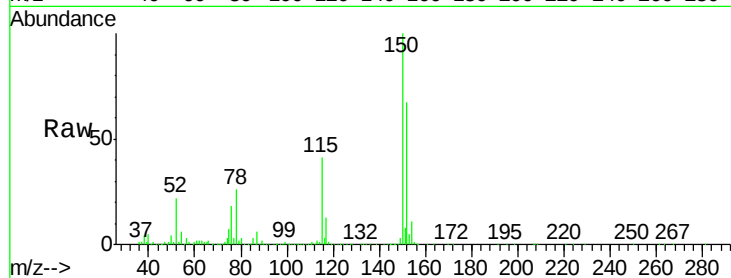
Tot Ion:152 Resp: 343049

Ion Ratio Lower Upper

152 100

115 58.1 40.6 121.7

150 153.4 0.0 346.4



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

