

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121819\  
 Data File : VX014105.D  
 Acq On : 18 Dec 2019 18:31  
 Operator : JC/SP  
 Sample : K6369-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Dec 19 03:44:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 539001   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 837364   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 733204   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 320374   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 303019   | 49.60 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.20% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 247273   | 48.58 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.16% |      |
| 50) Toluene-d8              | 8.71   | 98  | 986513   | 49.78 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.56% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 326515   | 45.07 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.14% |      |

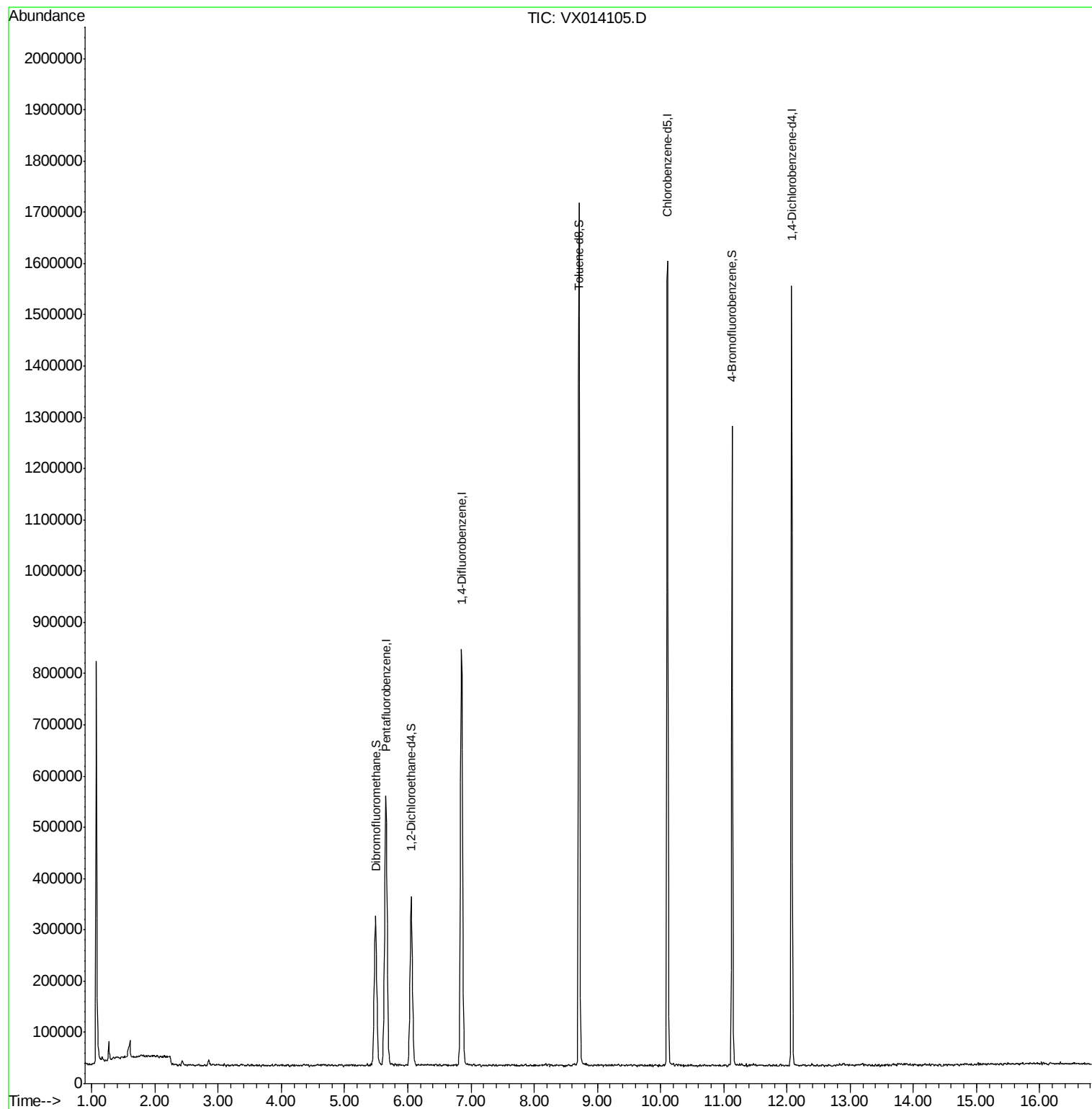
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

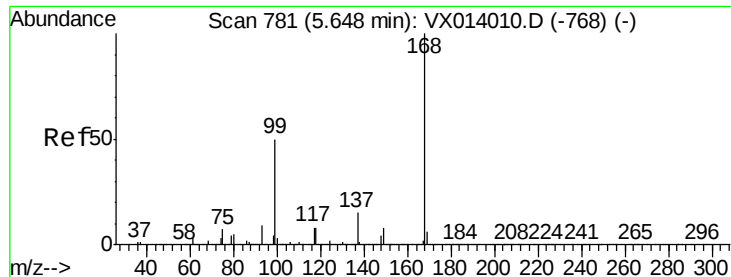
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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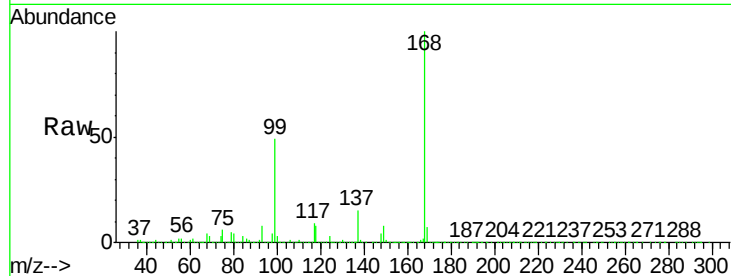


#1

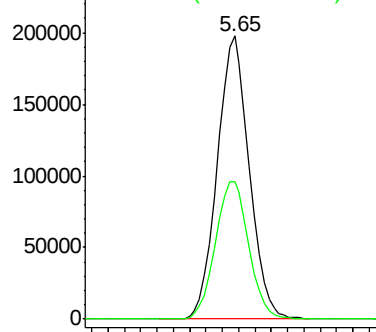
Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.01 min  
 Lab File: VX014105.D  
 Acq: 18 Dec 2019 18:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TRIP-BLANK

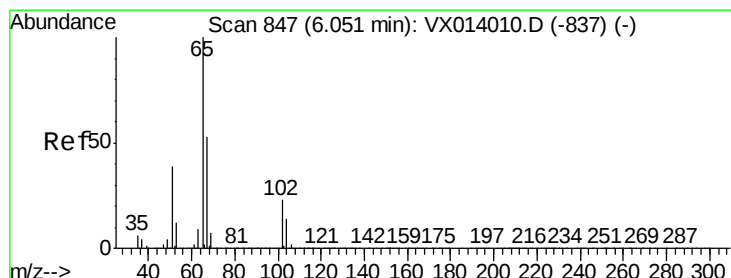
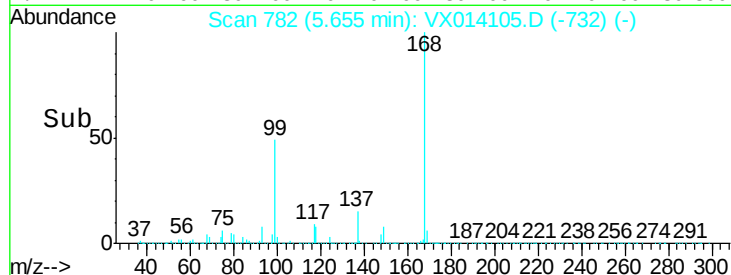
Tot Ion:168 Resp: 539001  
 Ion Ratio Lower Upper  
 168 100  
 99 48.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V  
 Ion 98.90 (98.60 to 99.60): VX0



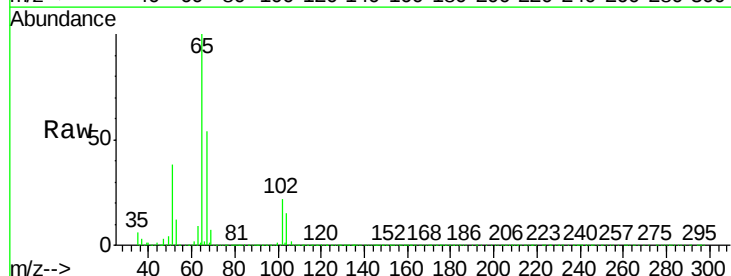
Time-->



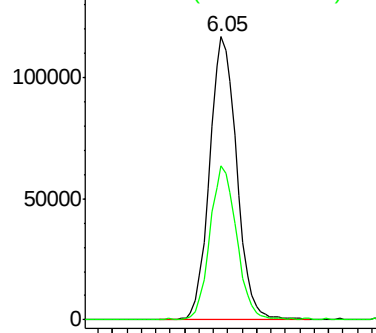
#33

1,2-Dichloroethane-d4  
 Concen: 49.603 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX014105.D  
 Acq: 18 Dec 2019 18:31

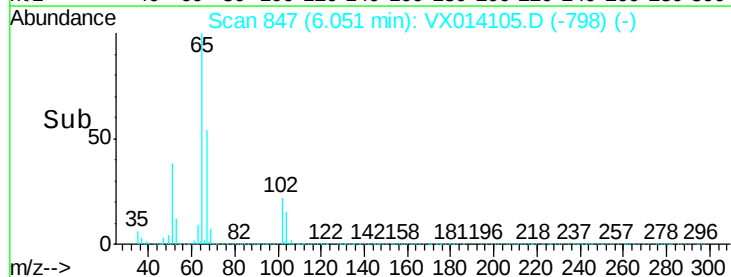
Tgt Ion: 65 Resp: 303019  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 106.4

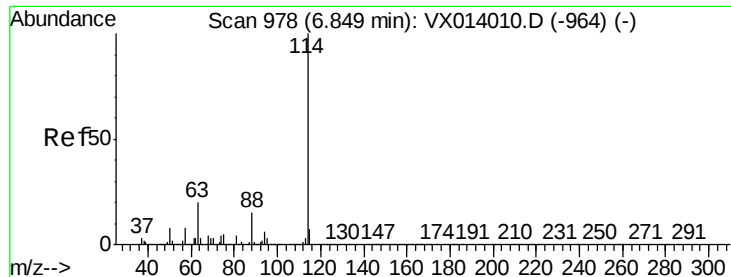


Abundance Ion 64.90 (64.60 to 65.60): VX0  
 Ion 66.90 (66.60 to 67.60): VX0



Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

TRIP-BLANK

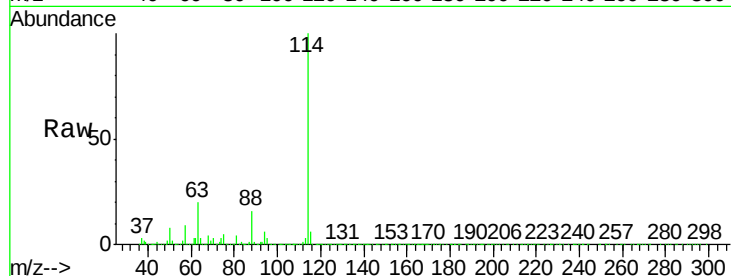
Tot Ion:114 Resp: 837364

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

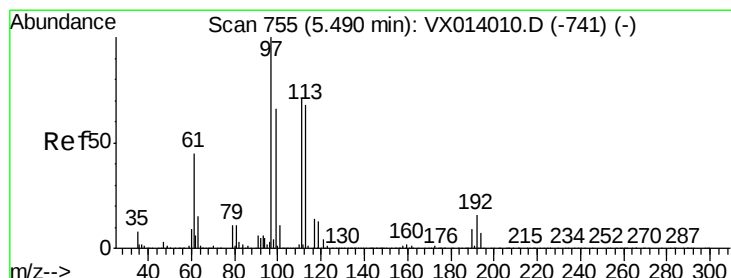
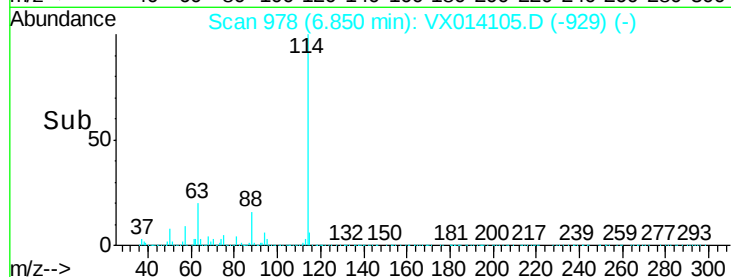
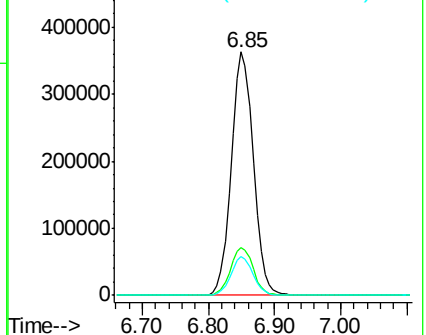
88 16.0 0.0 30.4



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: 48.578 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

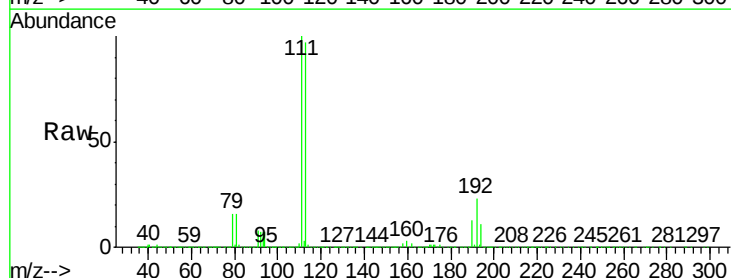
Tgt Ion:113 Resp: 247273

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

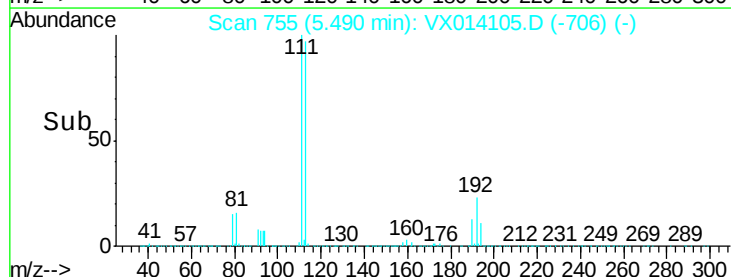
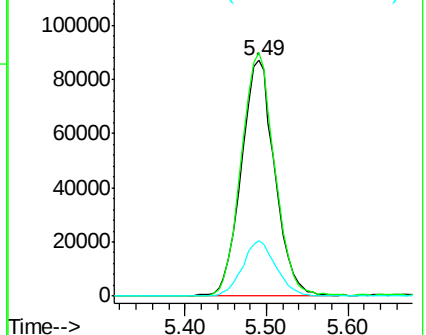
192 23.7 19.3 28.9

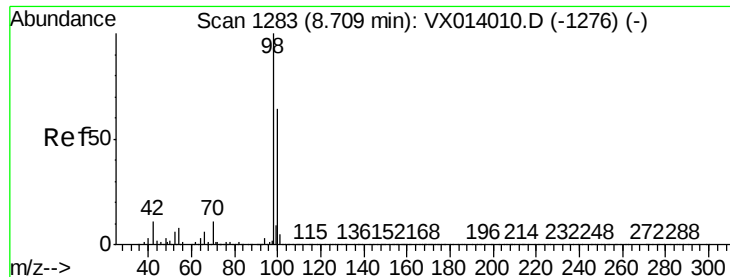


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.780 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

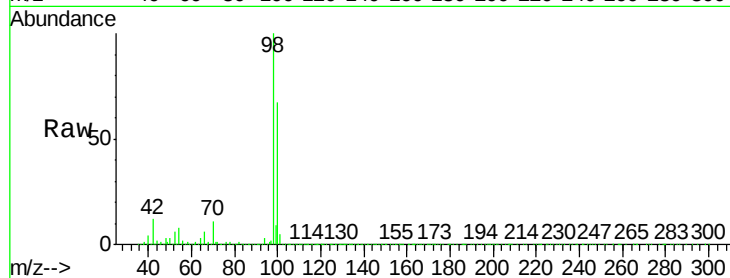
TRIP-BLANK

Tot Ion: 98 Resp: 986513

Ion Ratio Lower Upper

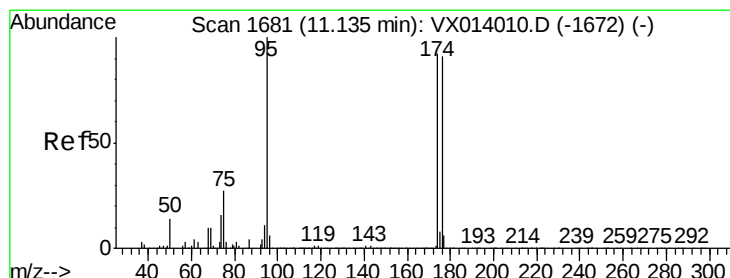
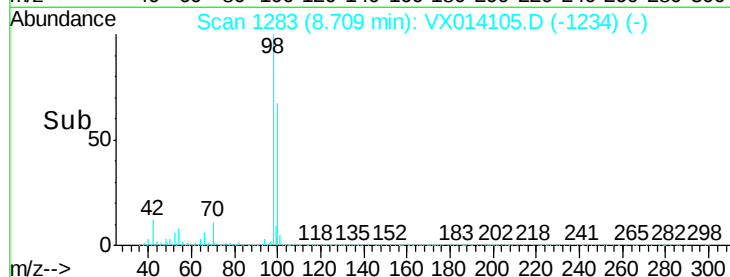
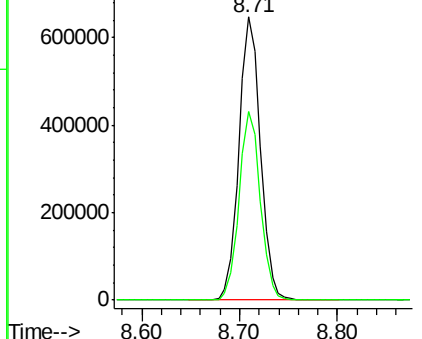
98 100

100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.073 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

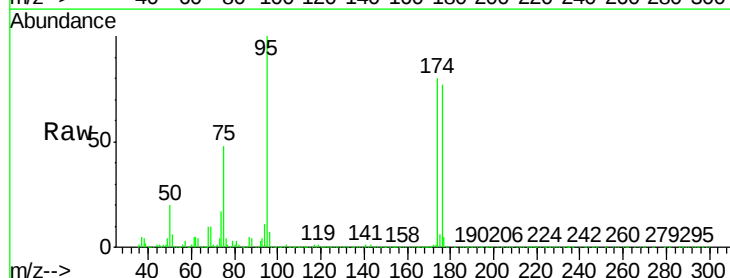
Tgt Ion: 95 Resp: 326515

Ion Ratio Lower Upper

95 100

174 88.6 0.0 175.8

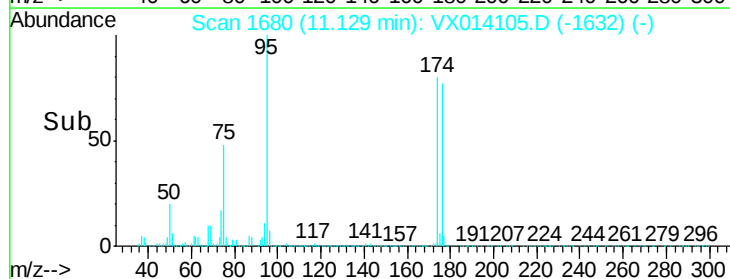
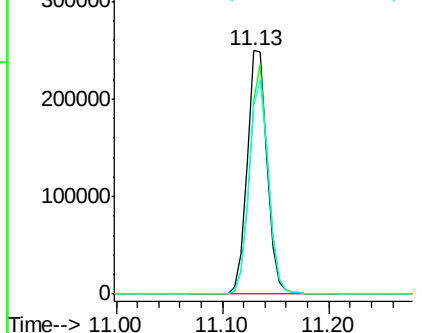
176 85.5 0.0 173.0

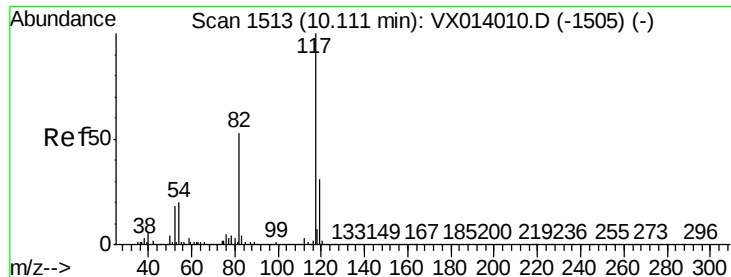


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

Instrument :

MSVOA\_X

ClientSampleId :

TRIP-BLANK

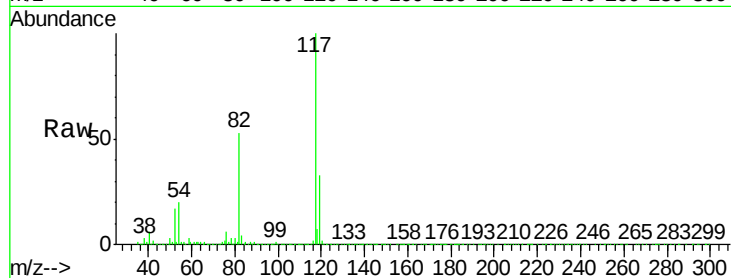
Tot Ion:117 Resp: 733204

Ion Ratio Lower Upper

117 100

82 52.7 42.2 63.4

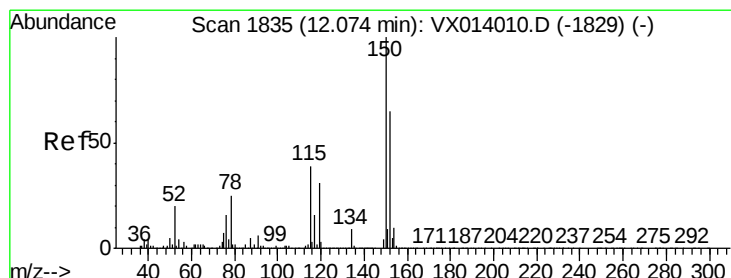
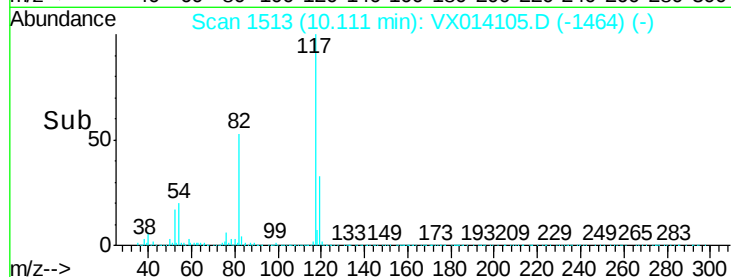
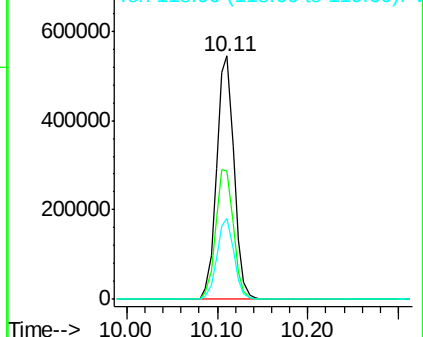
119 33.3 25.1 37.7



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014105.D

Acq: 18 Dec 2019 18:31

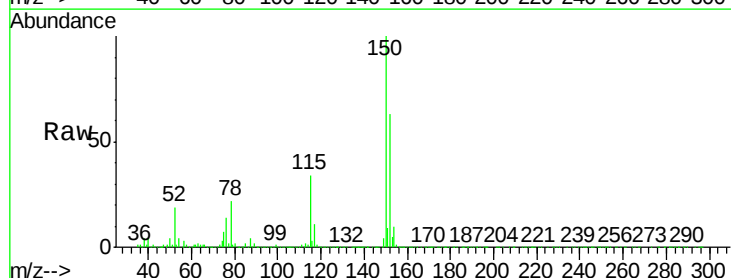
Tgt Ion:152 Resp: 320374

Ion Ratio Lower Upper

152 100

115 56.5 38.3 114.9

150 158.6 0.0 345.4



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

