

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121019\  
 Data File : VX013889.D  
 Acq On : 10 Dec 2019 11:37  
 Operator : JC/SP  
 Sample : K6185-19  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB01-20191205

Quant Time: Dec 11 02:46:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 607546   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 936503   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 824588   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 358014   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 341474   | 48.42 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.84% |      |
| 35) Dibromofluoromethane    | 5.48   | 113 | 281811   | 48.68 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.36% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1095799  | 48.58 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.16% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 367637   | 45.20 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.40% |      |

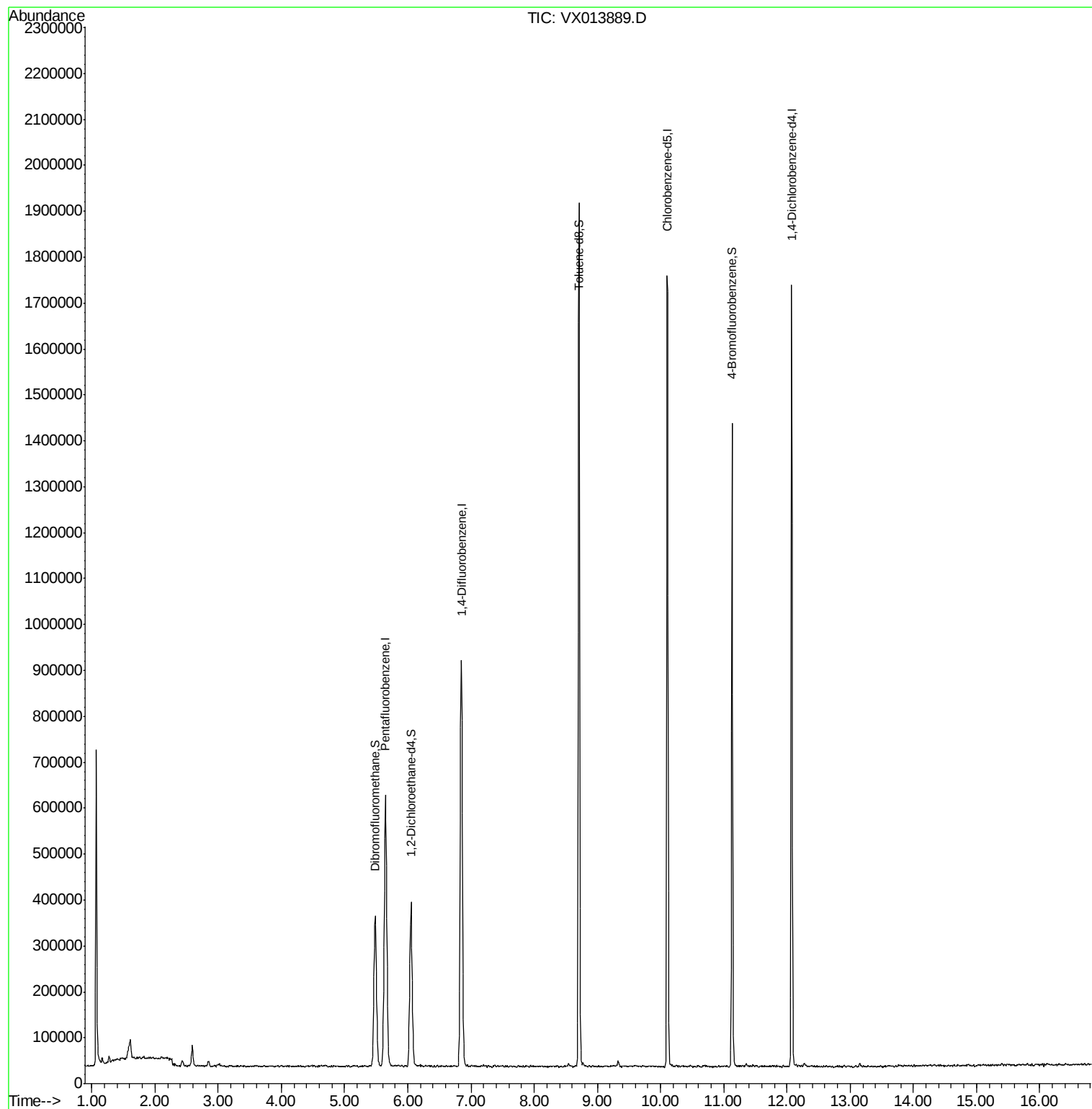
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

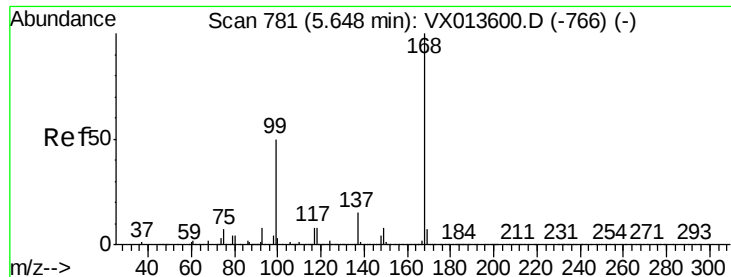
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

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Acq: 10 Dec 2019 11:37

Instrument :

MSVOA\_X

ClientSampleId :

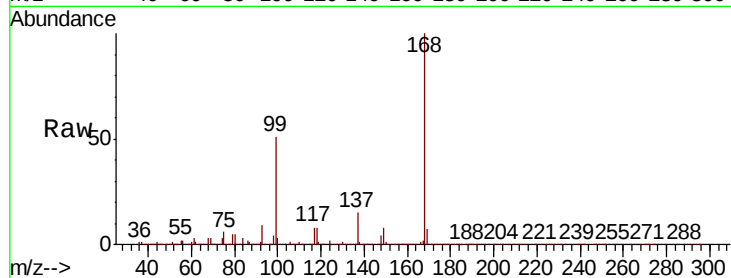
EB01-20191205

Tot Ion:168 Resp: 607546

Ion Ratio Lower Upper

168 100

99 50.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

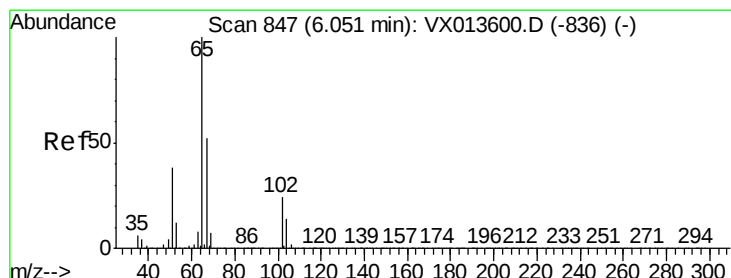
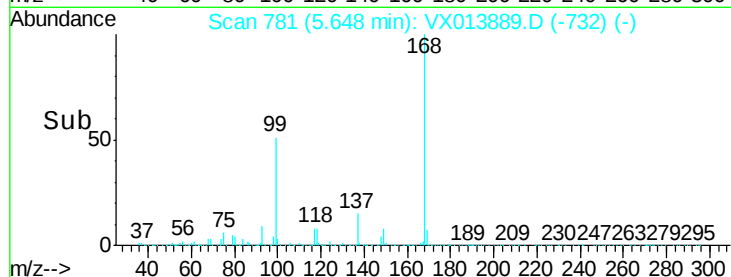
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.421 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013889.D

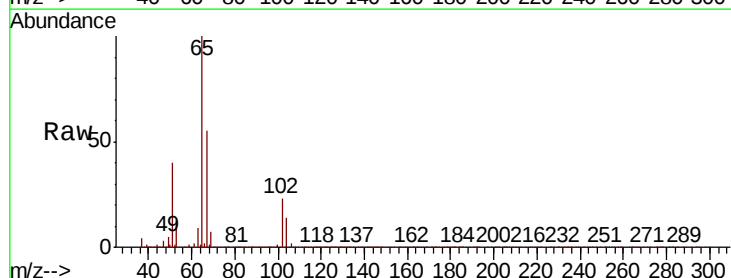
Acq: 10 Dec 2019 11:37

Tgt Ion: 65 Resp: 341474

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

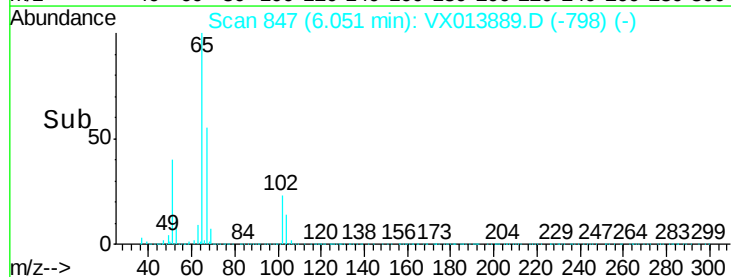
100000

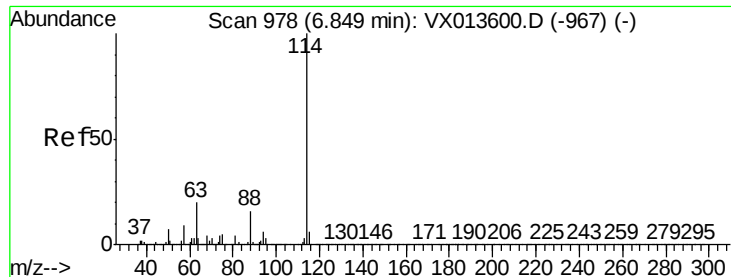
50000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA\_X

ClientSampleId :

EB01-20191205

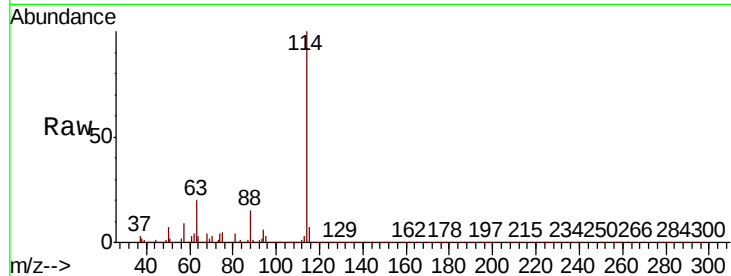
Tot Ion:114 Resp: 936503

Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

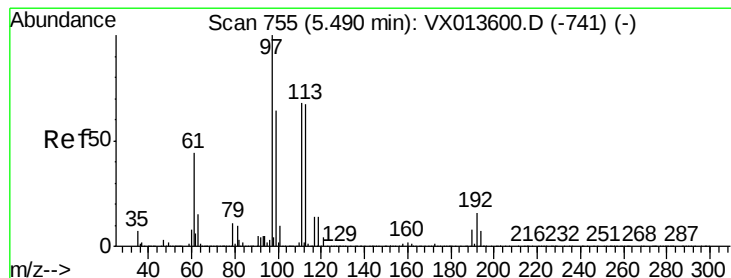
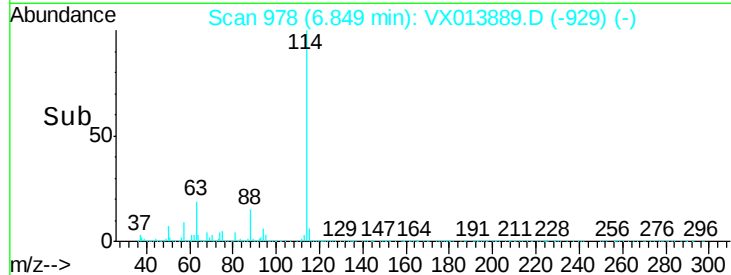
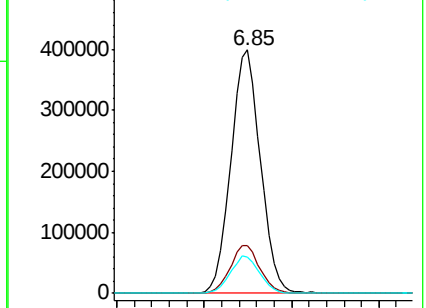
88 14.7 0.0 31.4



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: 48.676 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

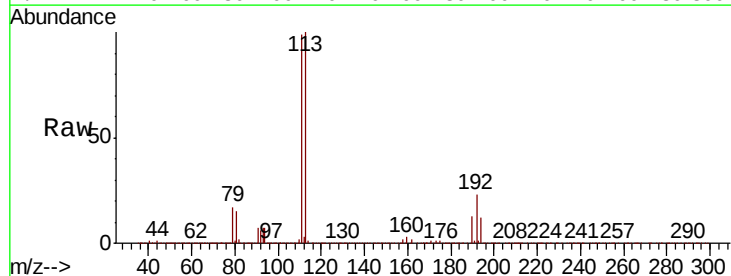
Tgt Ion:113 Resp: 281811

Ion Ratio Lower Upper

113 100

111 102.0 83.6 125.4

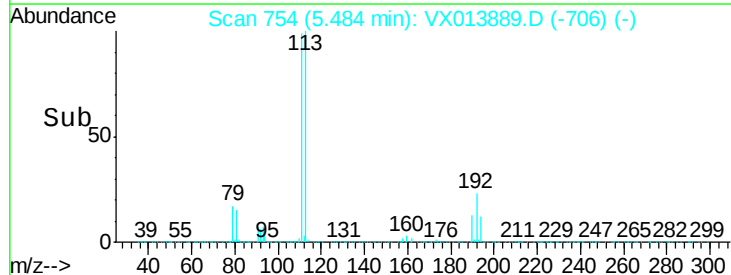
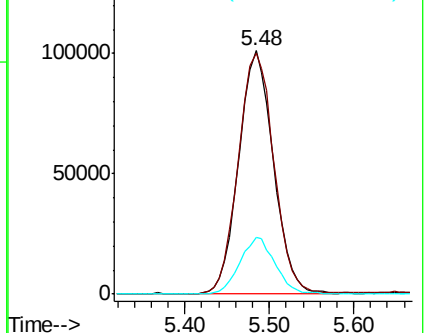
192 23.5 19.2 28.8

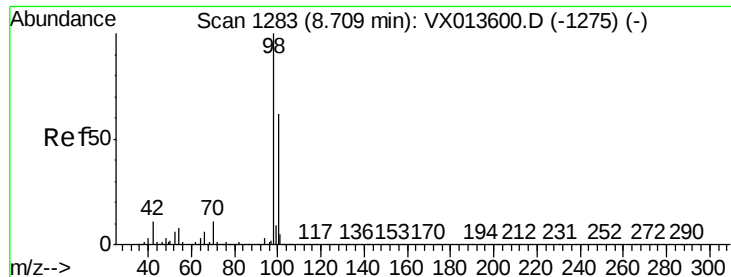


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.579 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA\_X

ClientSampleId :

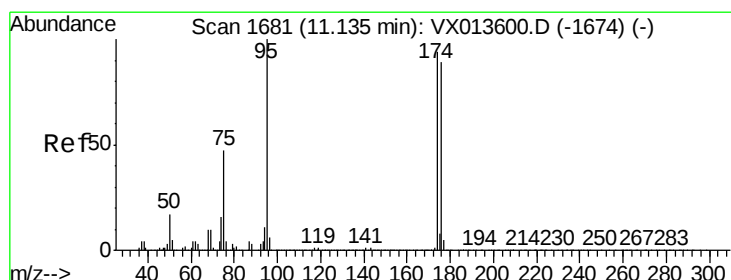
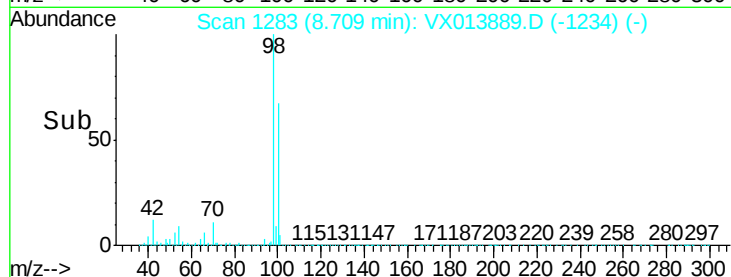
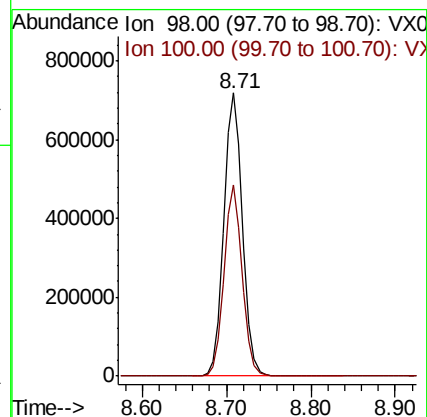
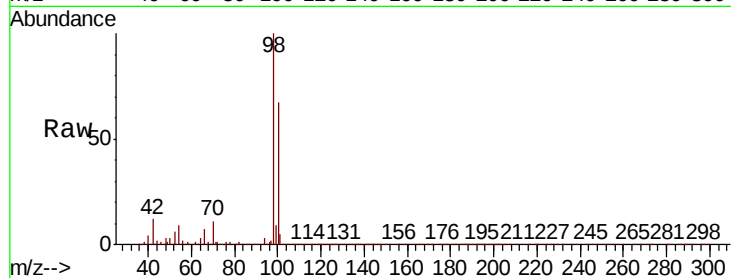
EB01-20191205

Tot Ion: 98 Resp: 1095799

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.197 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

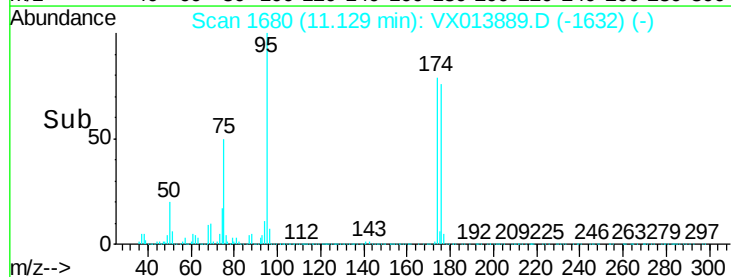
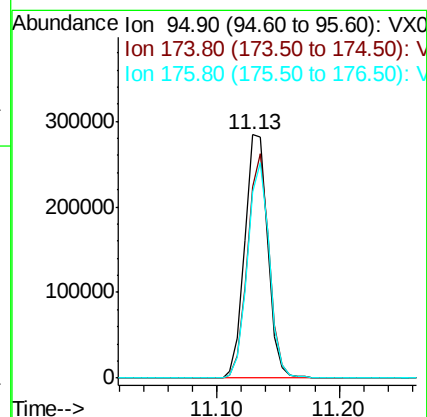
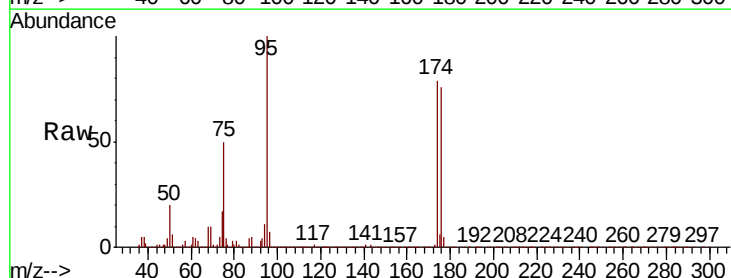
Tgt Ion: 95 Resp: 367637

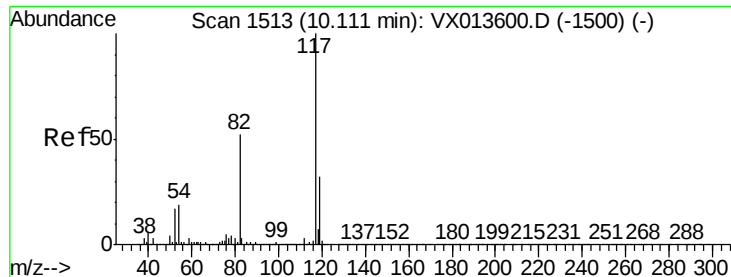
Ion Ratio Lower Upper

95 100

174 87.2 0.0 180.0

176 84.8 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013889.D

Acq: 10 Dec 2019 11:37

Instrument :

MSVOA\_X

ClientSampleId :

EB01-20191205

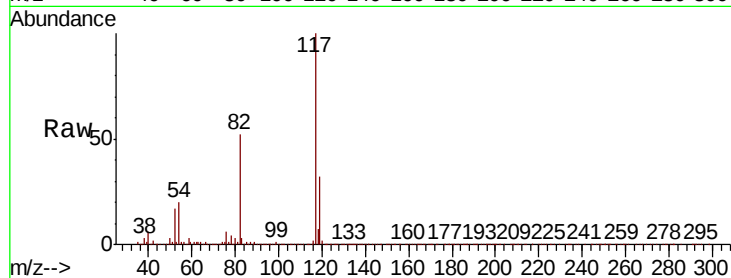
Tot Ion:117 Resp: 824588

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

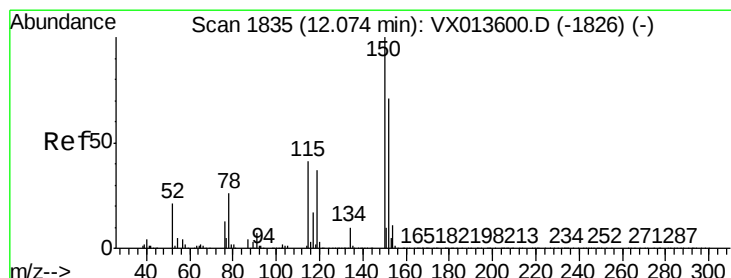
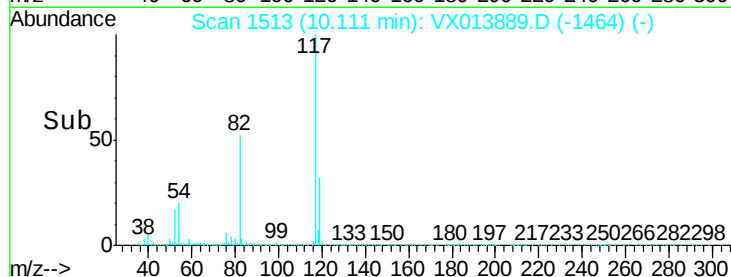
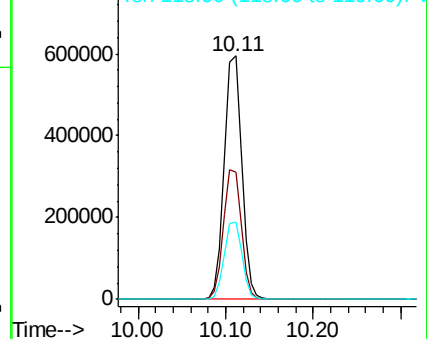
119 31.9 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX013889.D

Acq: 10 Dec 2019 11:37

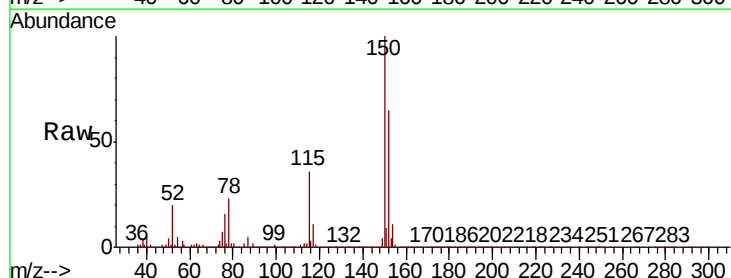
Tgt Ion:152 Resp: 358014

Ion Ratio Lower Upper

152 100

115 54.6 38.4 115.1

150 155.2 0.0 346.8



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

