

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX123119\  
 Data File : VX014372.D  
 Acq On : 31 Dec 2019 12:01  
 Operator : JC/SP  
 Sample : VX1231MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1231MBL01

Quant Time: Jan 01 03:50:13 2020  
 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  | 512503   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 798697   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 711819   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 309136   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 289379   | 49.82 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.64% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 237448   | 48.91 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.82% |          |
| 50) Toluene-d8              | 8.71  | 98   | 941602   | 49.81 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.62% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 313827   | 45.42 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.84% |          |

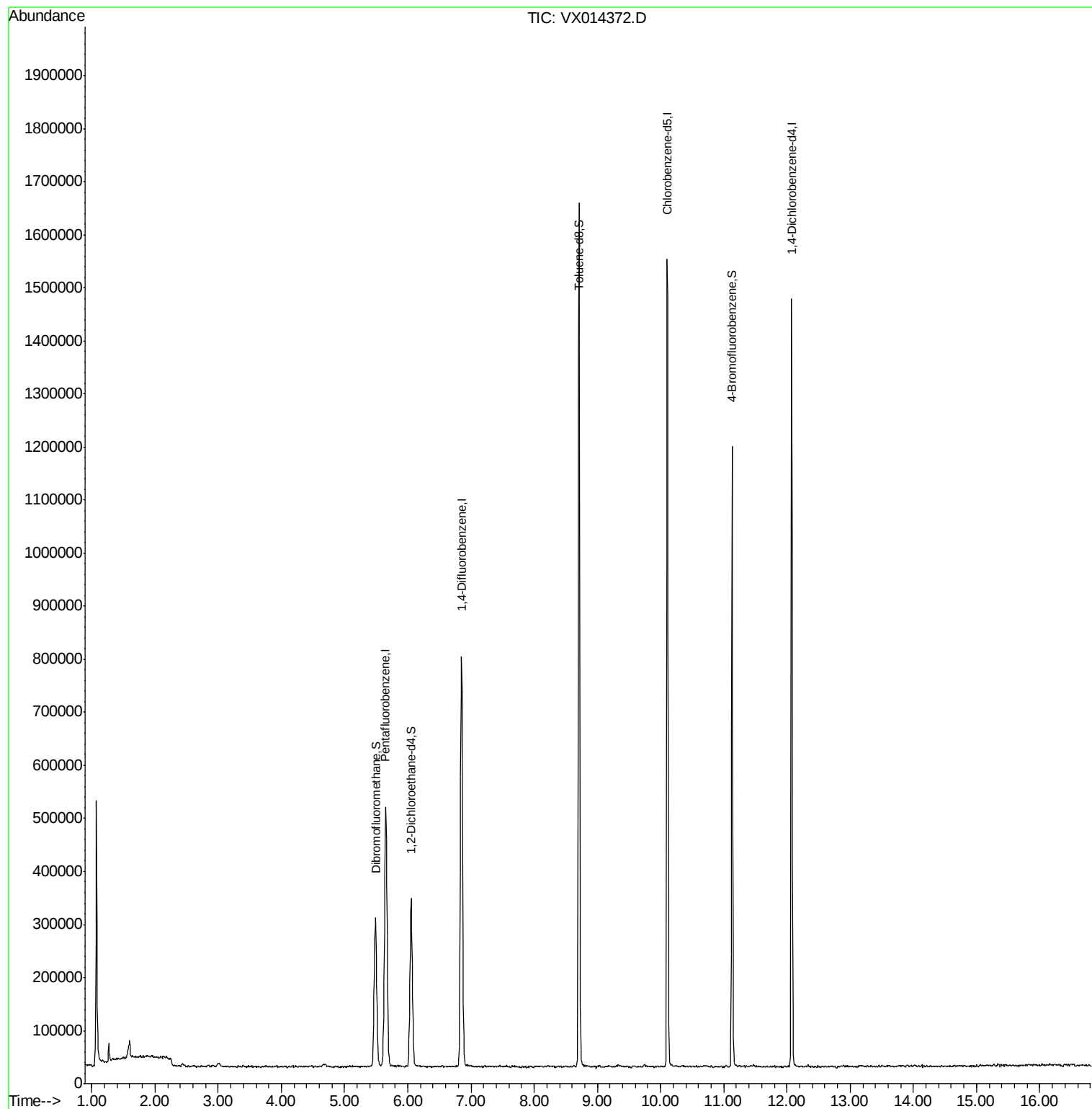
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

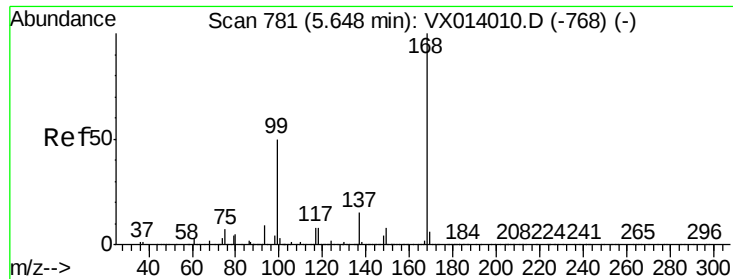
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1231MBL01

Quant Time: Jan 01 03:50:13 2020  
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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014372.D

Acq: 31 Dec 2019 12:01

Instrument :

MSVOA\_X

ClientSampleId :

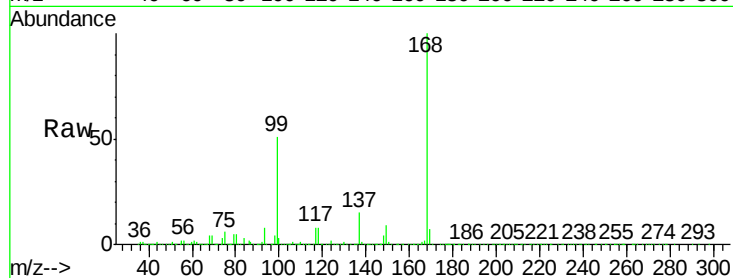
VX1231MBL01

Tot Ion:168 Resp: 512503

Ion Ratio Lower Upper

168 100

99 50.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

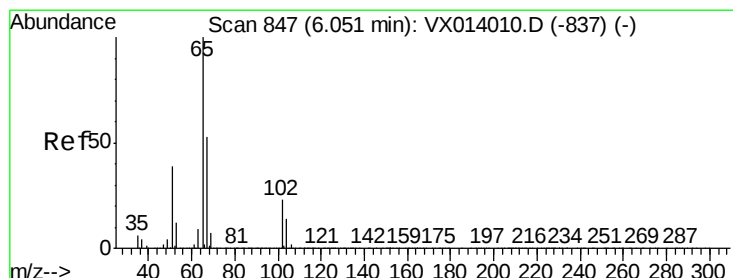
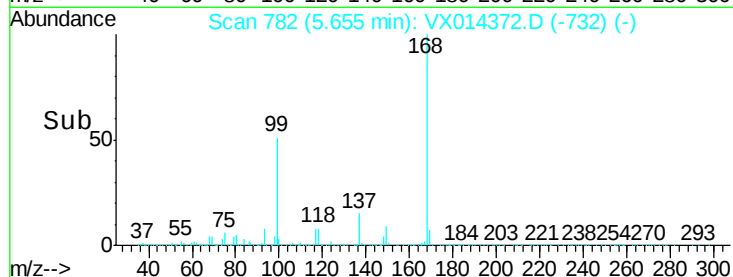
150000

100000

50000

0

Time--> 5.50 5.60 5.70



#33

1,2-Dichloroethane-d4

Concen: 49.820 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014372.D

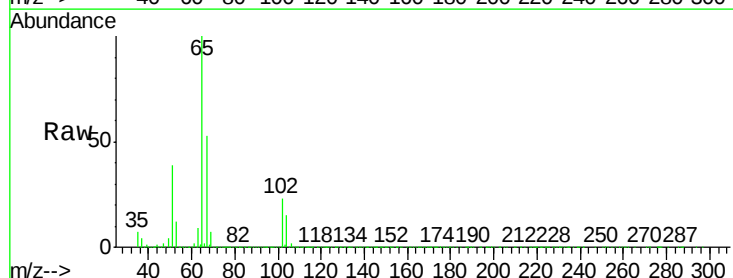
Acq: 31 Dec 2019 12:01

Tgt Ion: 65 Resp: 289379

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

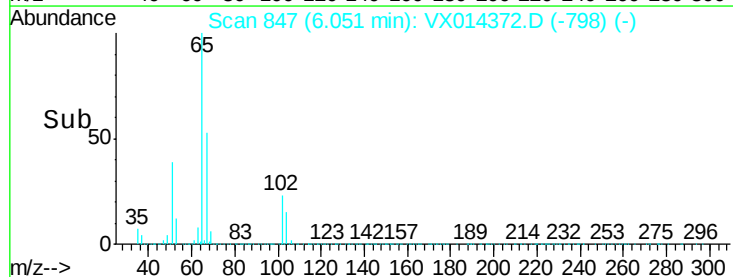
60000

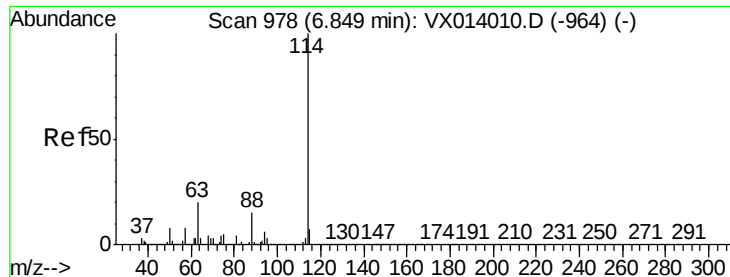
40000

20000

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: VX014372.D

Acq: 31 Dec 2019 12:01

Instrument :

MSVOA\_X

ClientSampleId :

VX1231MBL01

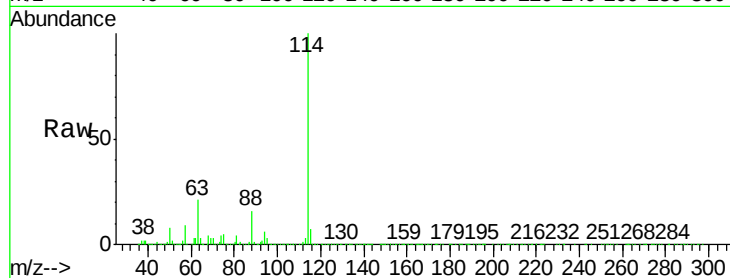
Tot Ion:114 Resp: 798697

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

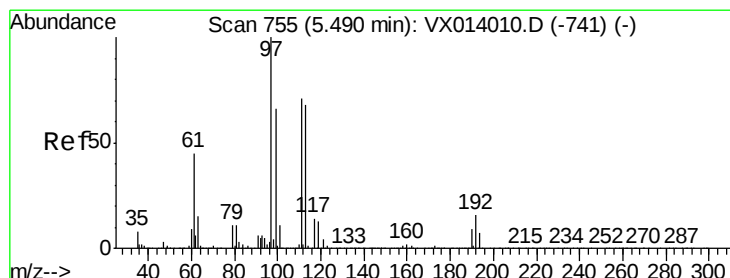
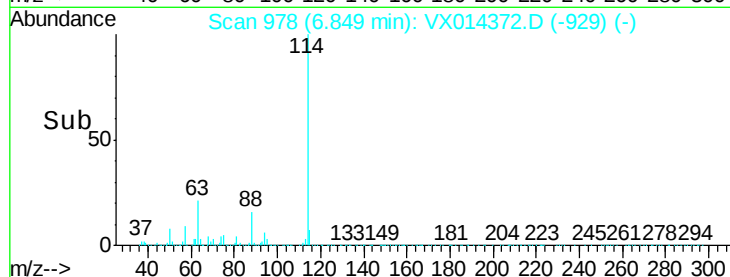
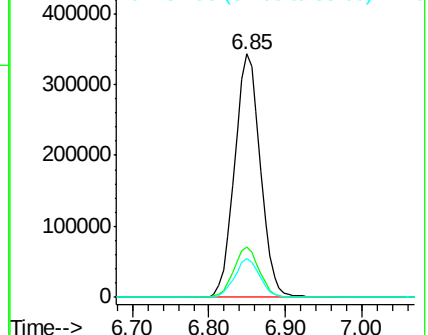
88 15.8 0.0 30.4



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: 48.906 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014372.D

Acq: 31 Dec 2019 12:01

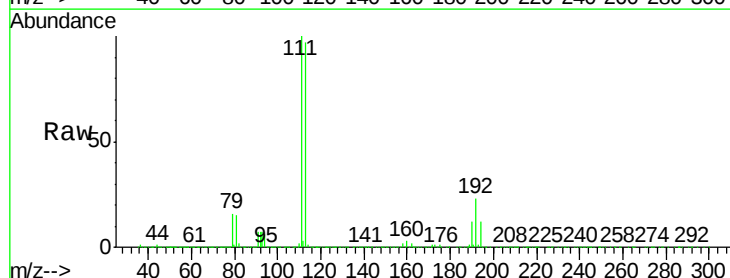
Tgt Ion:113 Resp: 237448

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

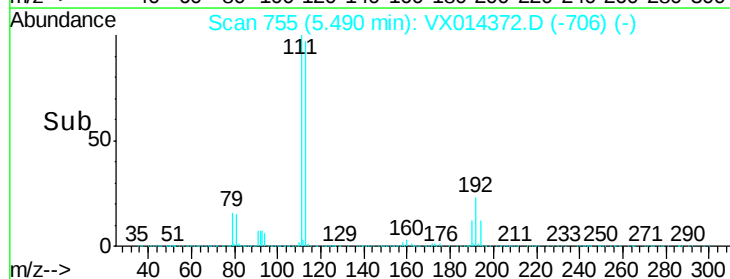
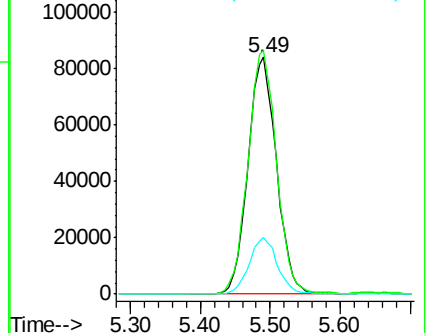
192 23.7 19.3 28.9

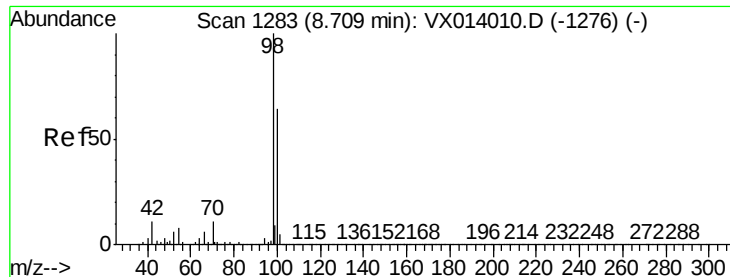


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.814 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014372.D

Acq: 31 Dec 2019 12:01

Instrument :

MSVOA\_X

ClientSampleId :

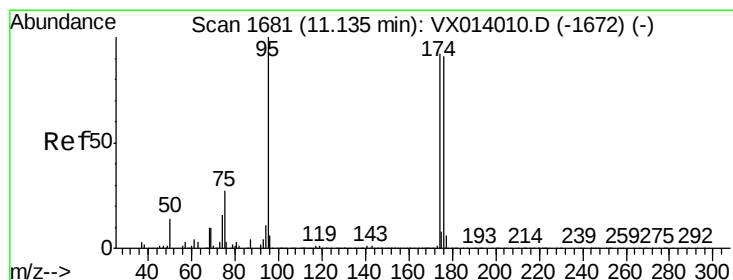
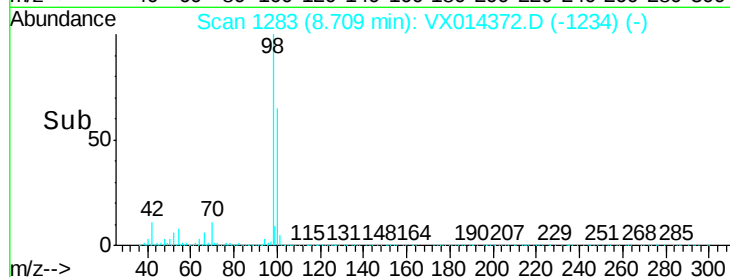
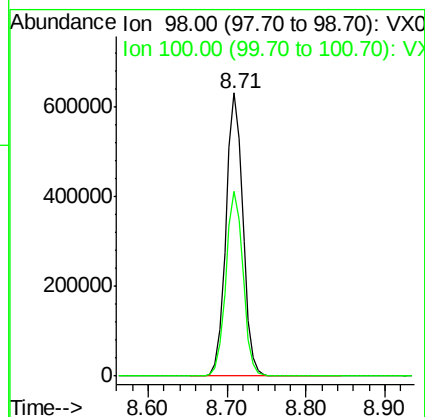
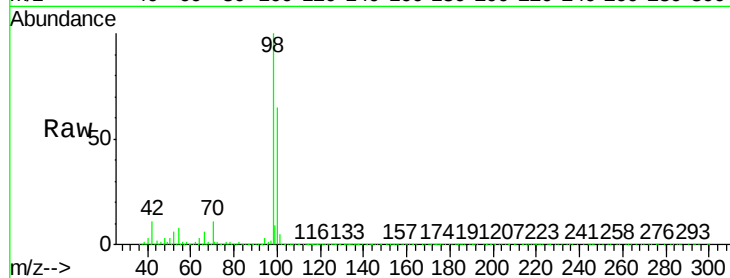
VX1231MBL01

Tot Ion: 98 Resp: 941602

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 45.418 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014372.D

Acq: 31 Dec 2019 12:01

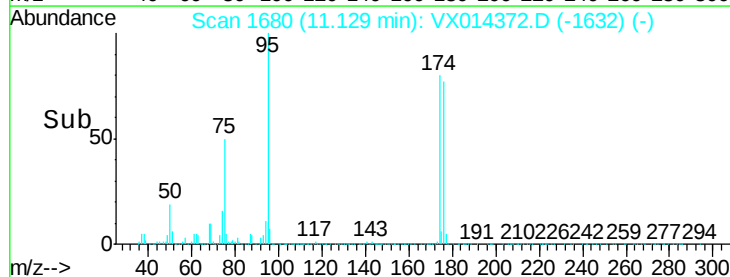
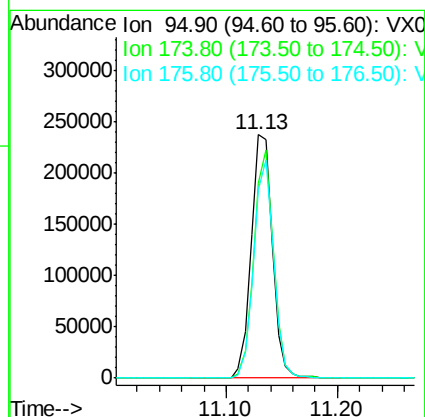
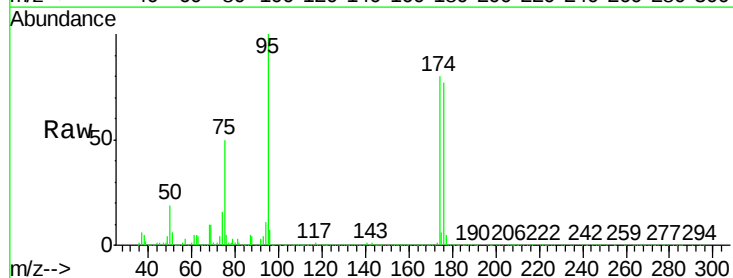
Tgt Ion: 95 Resp: 313827

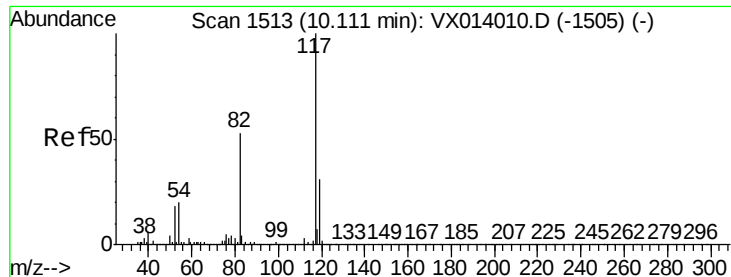
Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.8

176 84.6 0.0 173.0

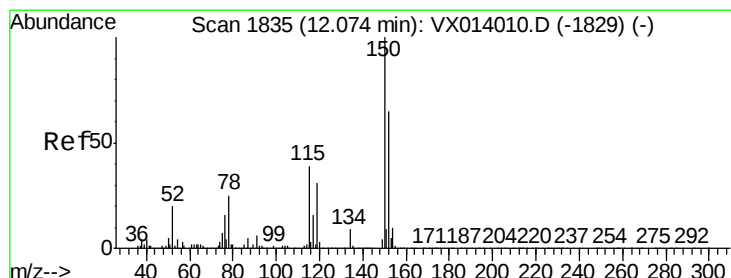
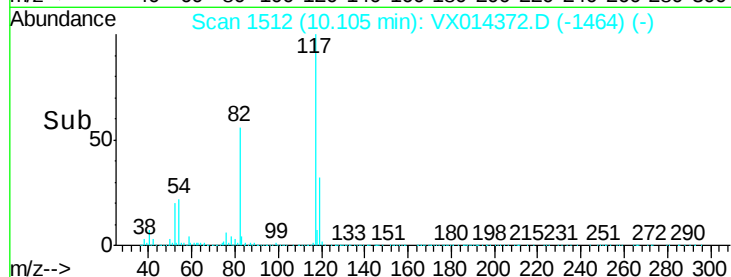
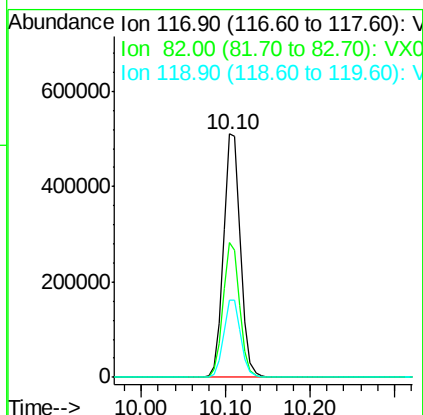
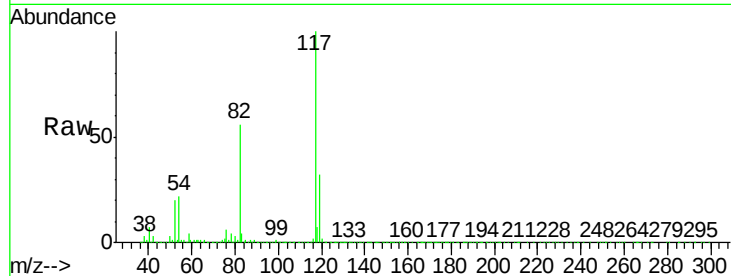




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX014372.D  
Acq: 31 Dec 2019 12:01

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1231MBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.6  | 42.2  | 63.4  |
| 119     | 31.6  | 25.1  | 37.7  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. 0.00 min  
Lab File: VX014372.D  
Acq: 31 Dec 2019 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.4  | 38.3  | 114.9 |
| 150     | 155.6 | 0.0   | 345.4 |

