

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091719\  
 Data File : VX012448.D  
 Acq On : 17 Sep 2019 21:50  
 Operator : JC/SP  
 Sample : K4858-22  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP02-20190910

Quant Time: Sep 18 04:35:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X091719W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 17 15:27:10 2019  
 Response via : Initial Calibration

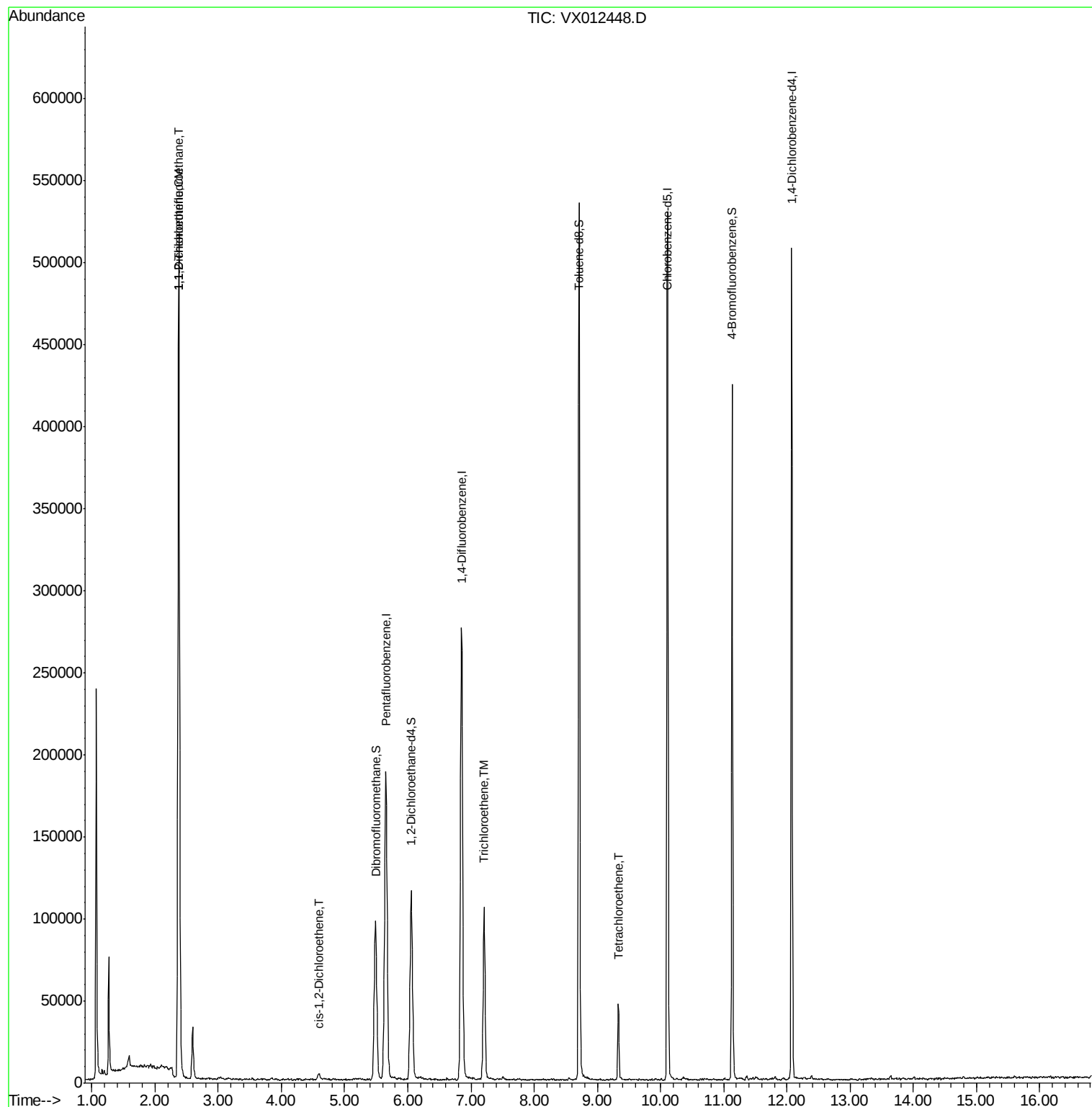
| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 165681   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 265060   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 226287   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 94714    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 6.05  | 65   | 113613   | 47.85   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 95.70%  |          |
| 35) Dibromofluoromethane      | 5.48  | 113  | 82117    | 51.19   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 102.38% |          |
| 50) Toluene-d8                | 8.71  | 98   | 313503   | 52.79   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 105.58% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 112619   | 45.68   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 91.36%  |          |
| Target Compounds              |       |      |          |         |         |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.37  | 101  | 200688   | 153.695 | ug/l    | 99       |
| 12) 1,1-Dichloroethene        | 2.37  | 96   | 2477     | 2.378   | ug/l #  | 76       |
| 27) cis-1,2-Dichloroethene    | 4.59  | 96   | 1816     | 1.124   | ug/l    | 90       |
| 44) Trichloroethene           | 7.20  | 130  | 40617    | 30.142  | ug/l    | 99       |
| 64) Tetrachloroethene         | 9.33  | 164  | 8209     | 7.917   | ug/l    | 92       |

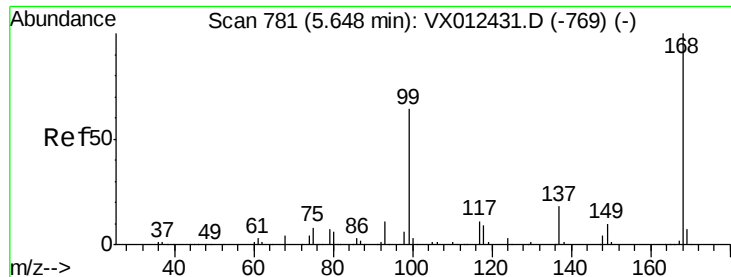
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091719\  
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Quant Title : SW846 8260  
QLast Update : Tue Sep 17 15:27:10 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: VX012448.D

Acq: 17 Sep 2019 21:50

Instrument :

MSVOA\_X

ClientSampleId :

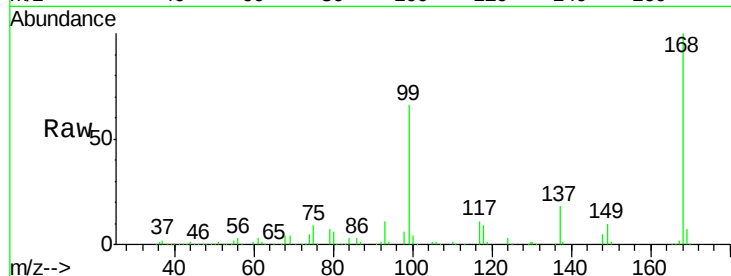
DUP02-20190910

Tot Ion:168 Resp: 165681

Ion Ratio Lower Upper

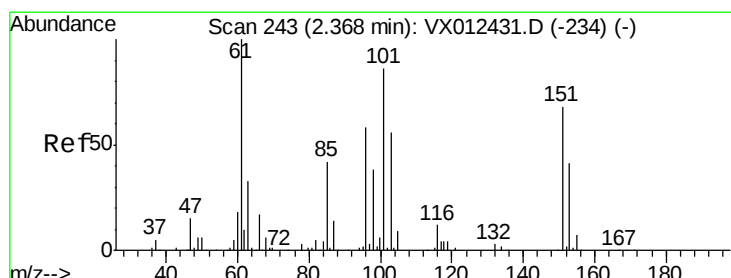
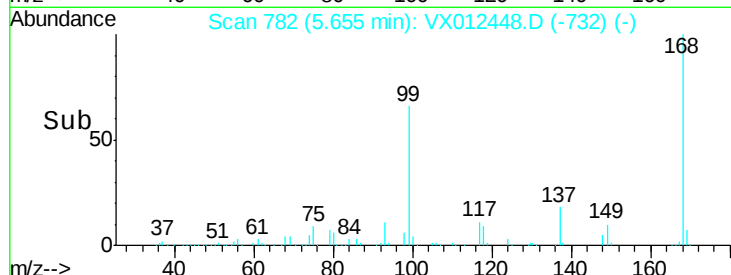
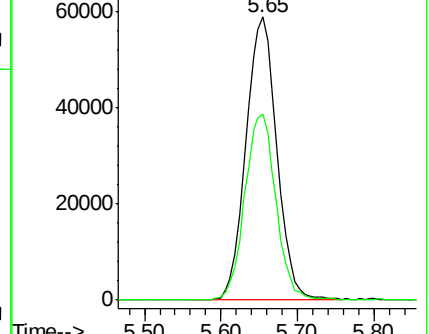
168 100

99 65.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 153.695 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX012448.D

Acq: 17 Sep 2019 21:50

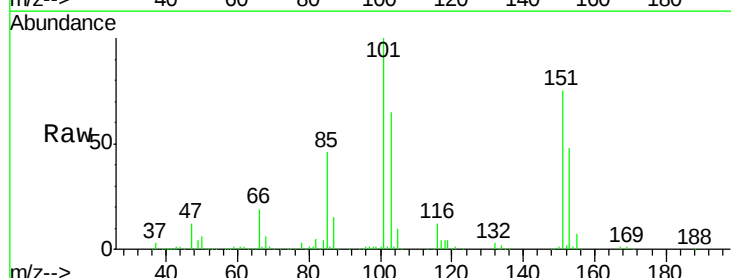
Tgt Ion:101 Resp: 200688

Ion Ratio Lower Upper

101 100

85 45.7 37.3 55.9

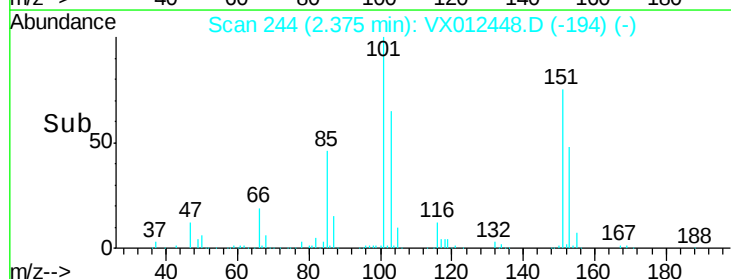
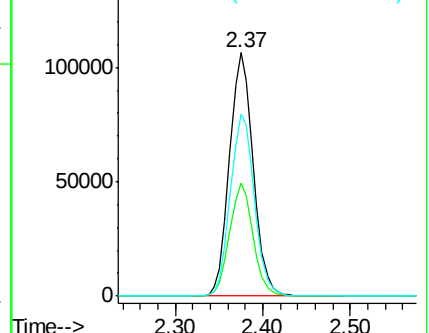
151 76.0 61.0 91.4

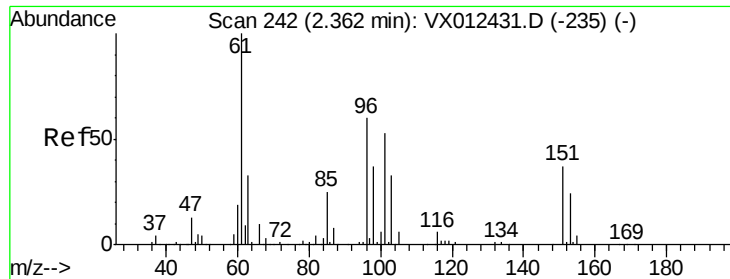


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 2.378 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012448.D

Acq: 17 Sep 2019 21:50

Instrument :

MSVOA\_X

ClientSampleId :

DUP02-20190910

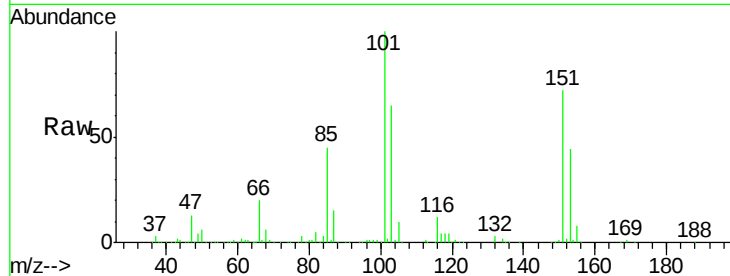
Tot Ion: 96 Resp: 2477

Ion Ratio Lower Upper

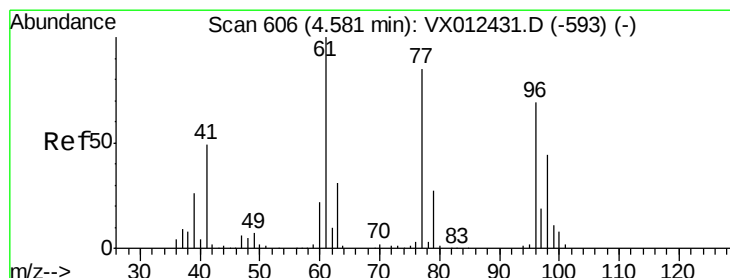
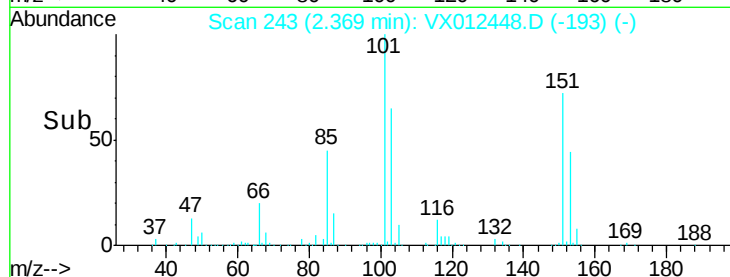
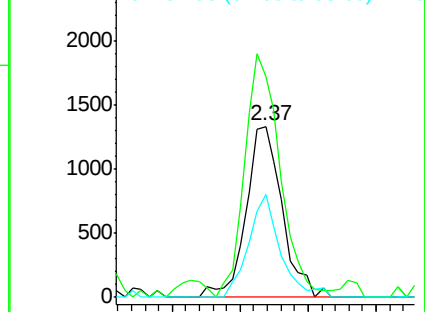
96 100

61 124.2 133.8 200.6#

98 59.9 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.124 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012448.D

Acq: 17 Sep 2019 21:50

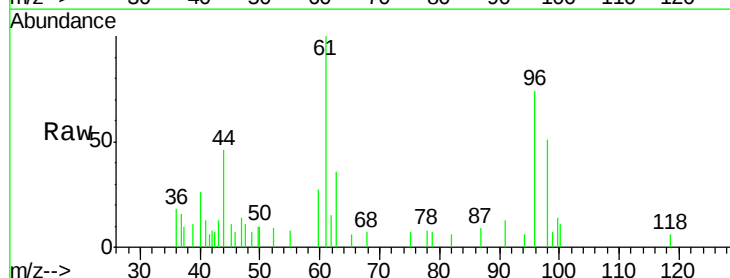
Tgt Ion: 96 Resp: 1816

Ion Ratio Lower Upper

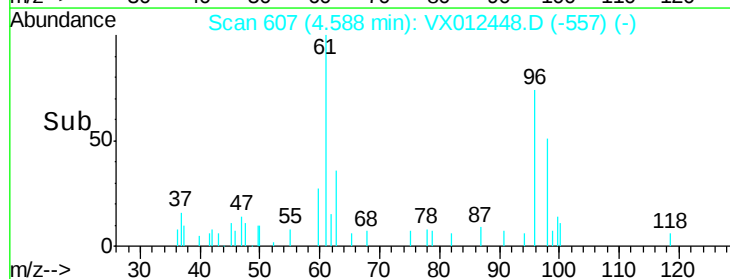
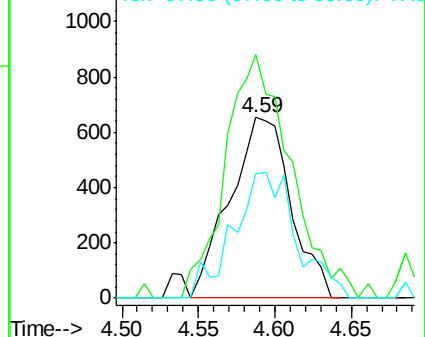
96 100

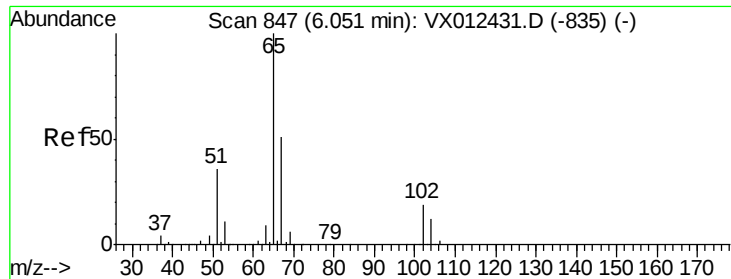
61 144.7 0.0 319.4

98 71.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VX0  
Ion 60.90 (60.60 to 61.60): VX0  
Ion 97.90 (97.60 to 98.60): VX0

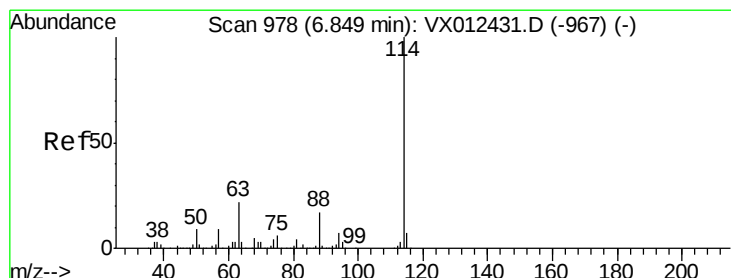
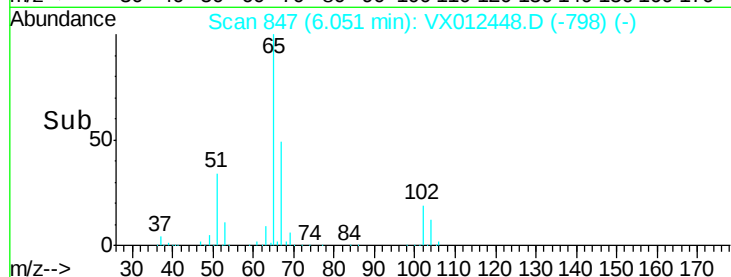
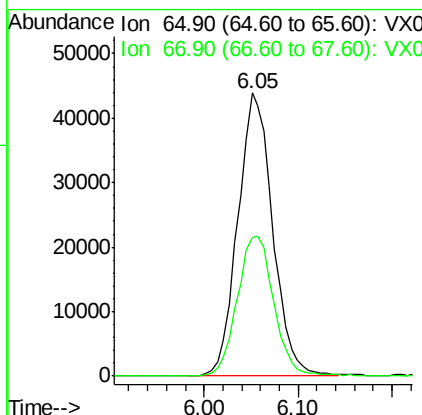
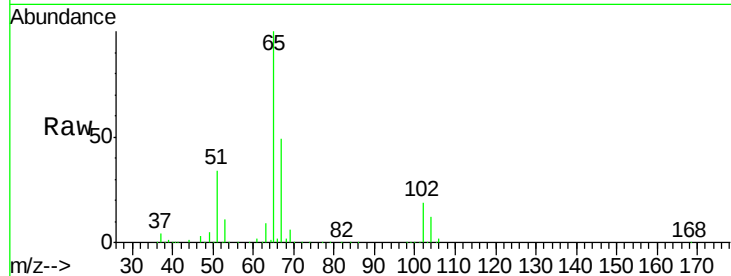




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.846 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012448.D  
 Acq: 17 Sep 2019 21:50

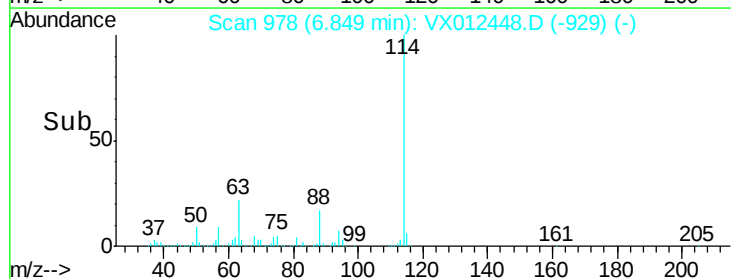
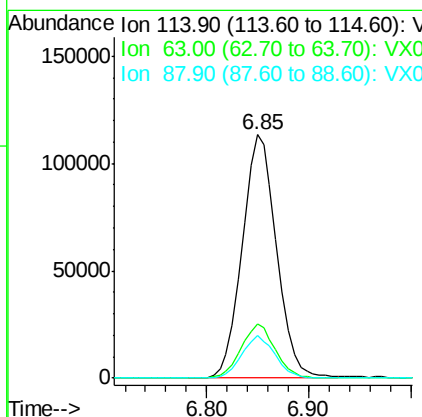
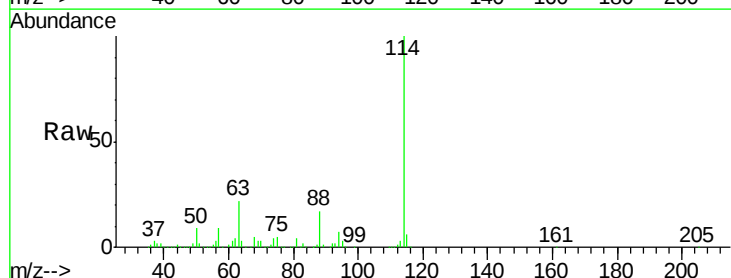
Instrument :  
 MSVOA\_X  
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 DUP02-20190910

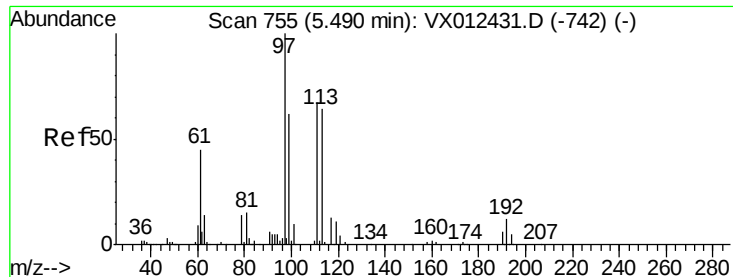
Tot Ion: 65 Resp: 113613  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012448.D  
 Acq: 17 Sep 2019 21:50

Tgt Ion: 114 Resp: 265060  
 Ion Ratio Lower Upper  
 114 100  
 63 22.4 0.0 43.2  
 88 17.4 0.0 33.2

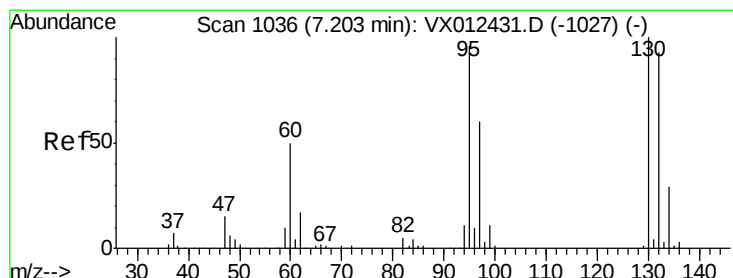
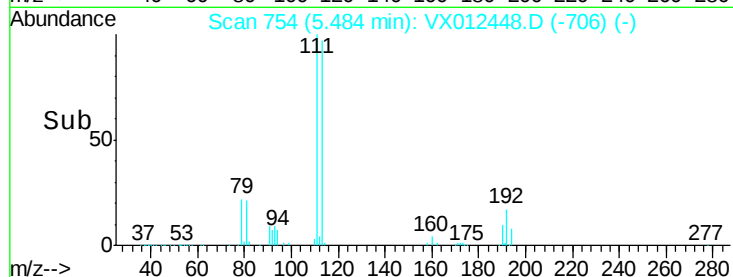
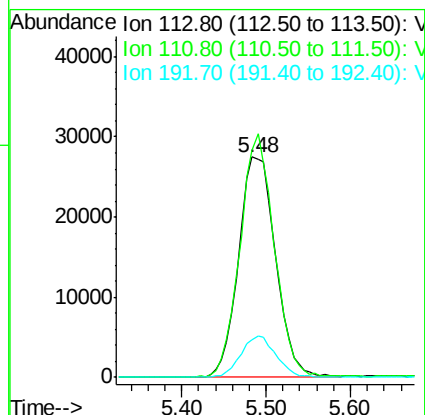
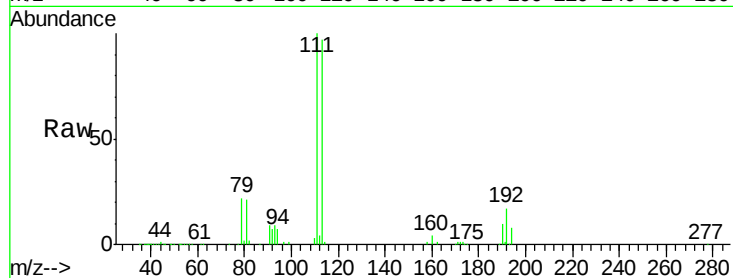




#35  
 Dibromofluoromethane  
 Concen: 51.186 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. -0.01 min  
 Lab File: VX012448.D  
 Acq: 17 Sep 2019 21:50

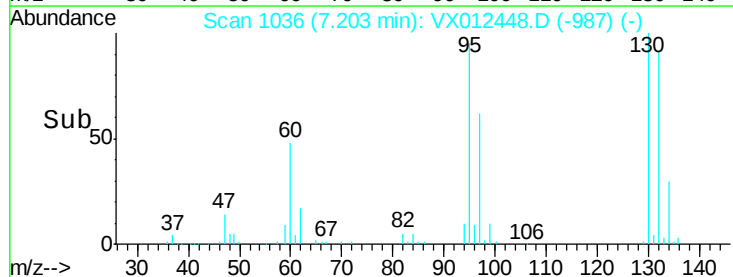
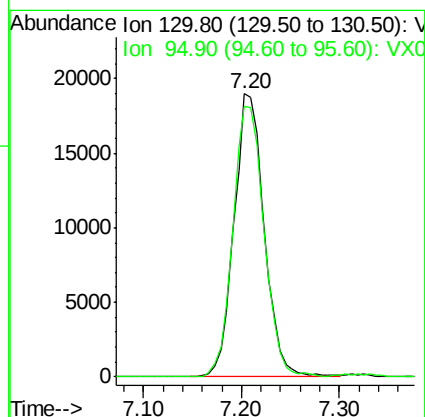
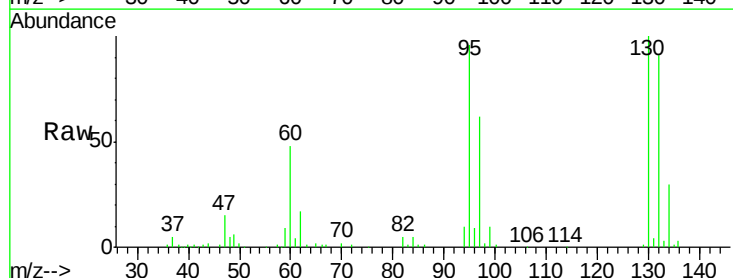
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP02-20190910

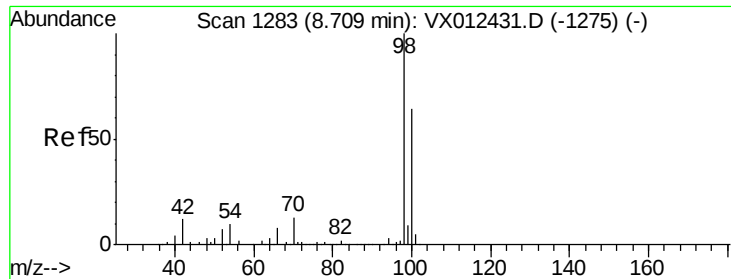
Tot Ion:113 Resp: 82117  
 Ion Ratio Lower Upper  
 113 100  
 111 101.8 83.4 125.2  
 192 17.9 14.4 21.6



#44  
 Trichloroethene  
 Concen: 30.142 ug/l  
 RT: 7.20 min Scan# 1036  
 Delta R.T. 0.00 min  
 Lab File: VX012448.D  
 Acq: 17 Sep 2019 21:50

Tgt Ion:130 Resp: 40617  
 Ion Ratio Lower Upper  
 130 100  
 95 95.7 0.0 193.0





#50

Toluene-d8

Concen: 52.794 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012448.D

Acq: 17 Sep 2019 21:50

Instrument :

MSVOA\_X

ClientSampleId :

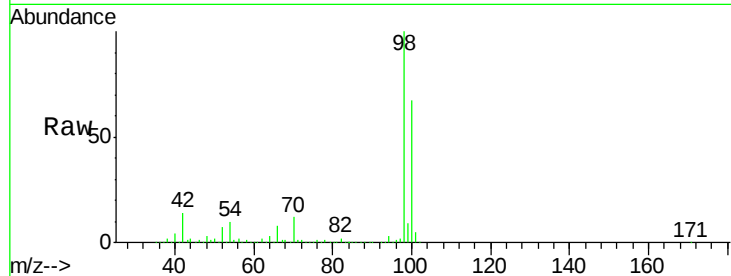
DUP02-20190910

Tot Ion: 98 Resp: 313503

Ion Ratio Lower Upper

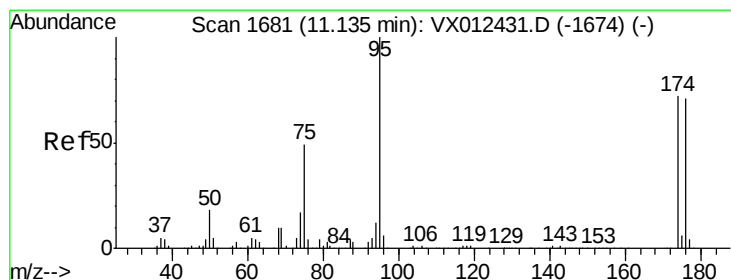
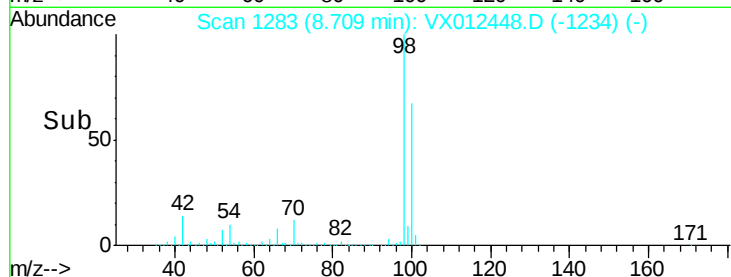
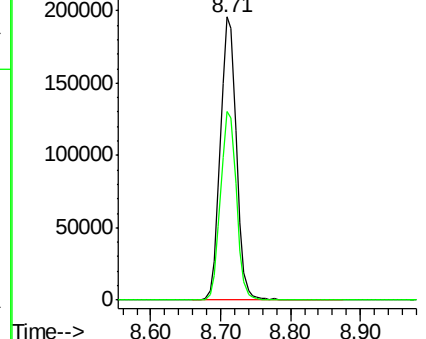
98 100

100 65.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 45.676 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012448.D

Acq: 17 Sep 2019 21:50

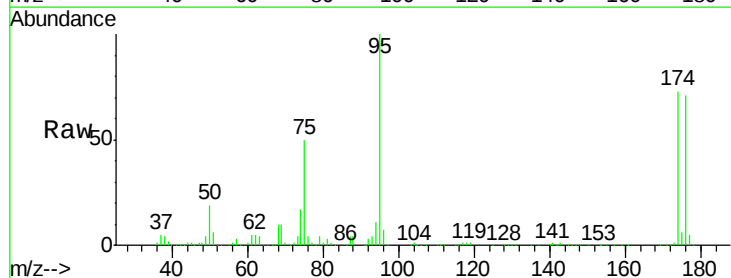
Tgt Ion: 95 Resp: 112619

Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.0

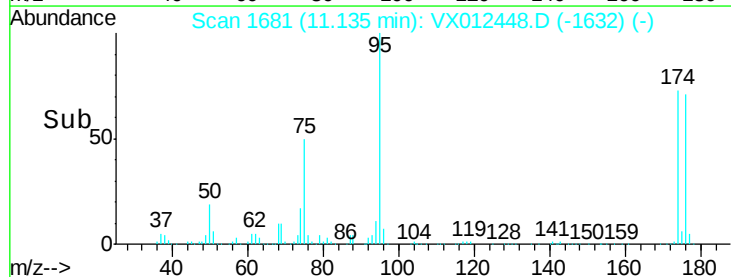
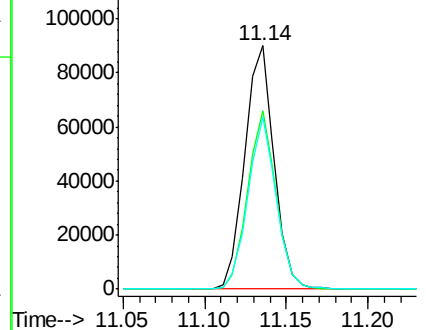
176 68.6 0.0 135.4

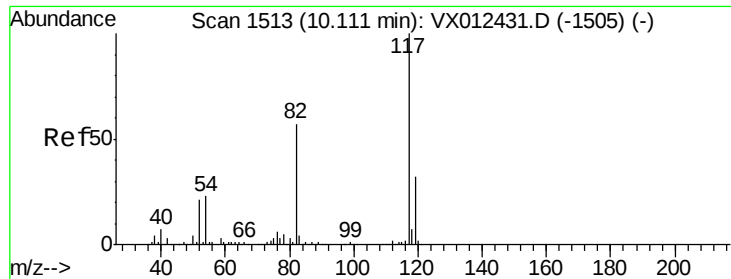


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

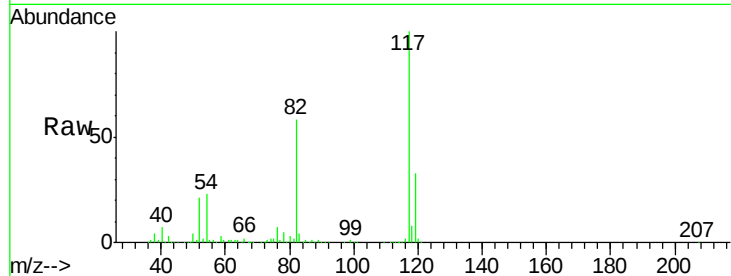




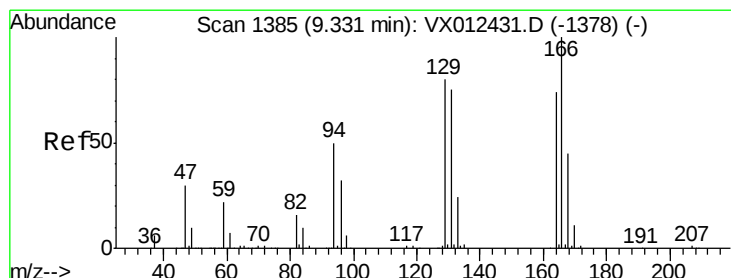
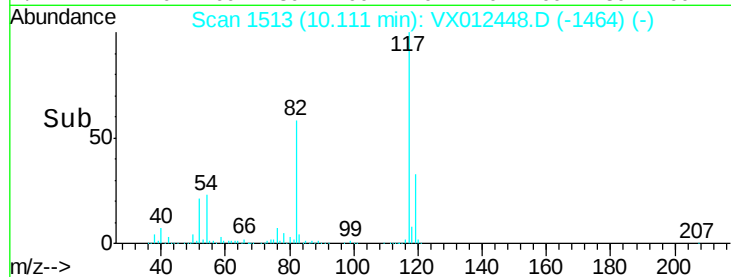
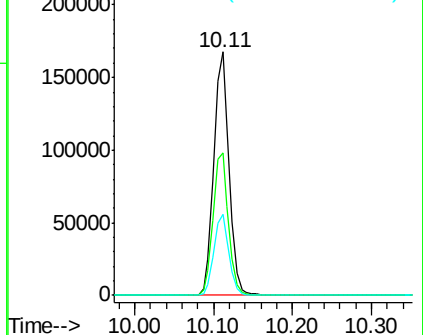
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012448.D  
Acq: 17 Sep 2019 21:50

Instrument :  
MSVOA\_X  
ClientSampleId :  
DUP02-20190910

Tot Ion:117 Resp: 226287  
Ion Ratio Lower Upper  
117 100  
82 58.3 45.9 68.9  
119 33.3 25.3 37.9



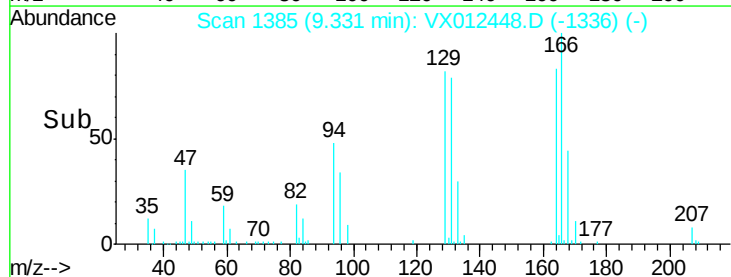
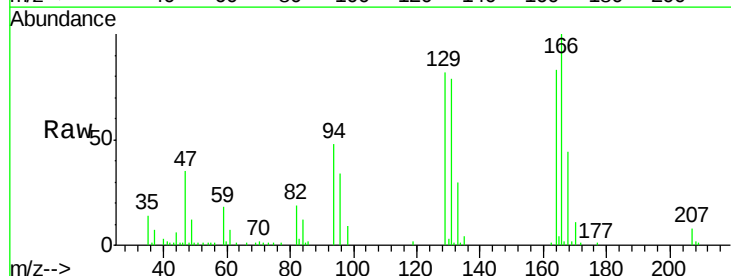
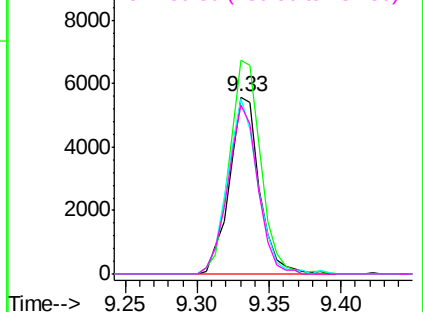
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

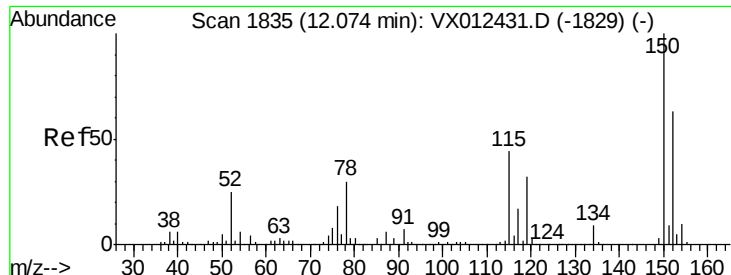


#64  
Tetrachloroethene  
Concen: 7.917 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VX012448.D  
Acq: 17 Sep 2019 21:50

Tgt Ion:164 Resp: 8209  
Ion Ratio Lower Upper  
164 100  
166 120.9 107.8 161.6  
129 99.6 86.2 129.2  
131 95.4 80.4 120.6

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V

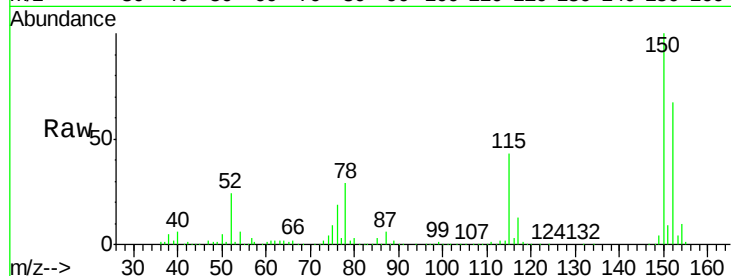




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1835  
 Delta R.T. 0.00 min  
 Lab File: VX012448.D  
 Acq: 17 Sep 2019 21:50

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 DUP02-20190910

Tot Ion:152 Resp: 94714  
 Ion Ratio Lower Upper  
 152 100  
 115 64.5 44.1 132.3  
 150 154.9 0.0 343.8



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

