

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121019\  
 Data File : VX013907.D  
 Acq On : 10 Dec 2019 18:43  
 Operator : JC/SP  
 Sample : K6196-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-4

Quant Time: Dec 11 06:31:22 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

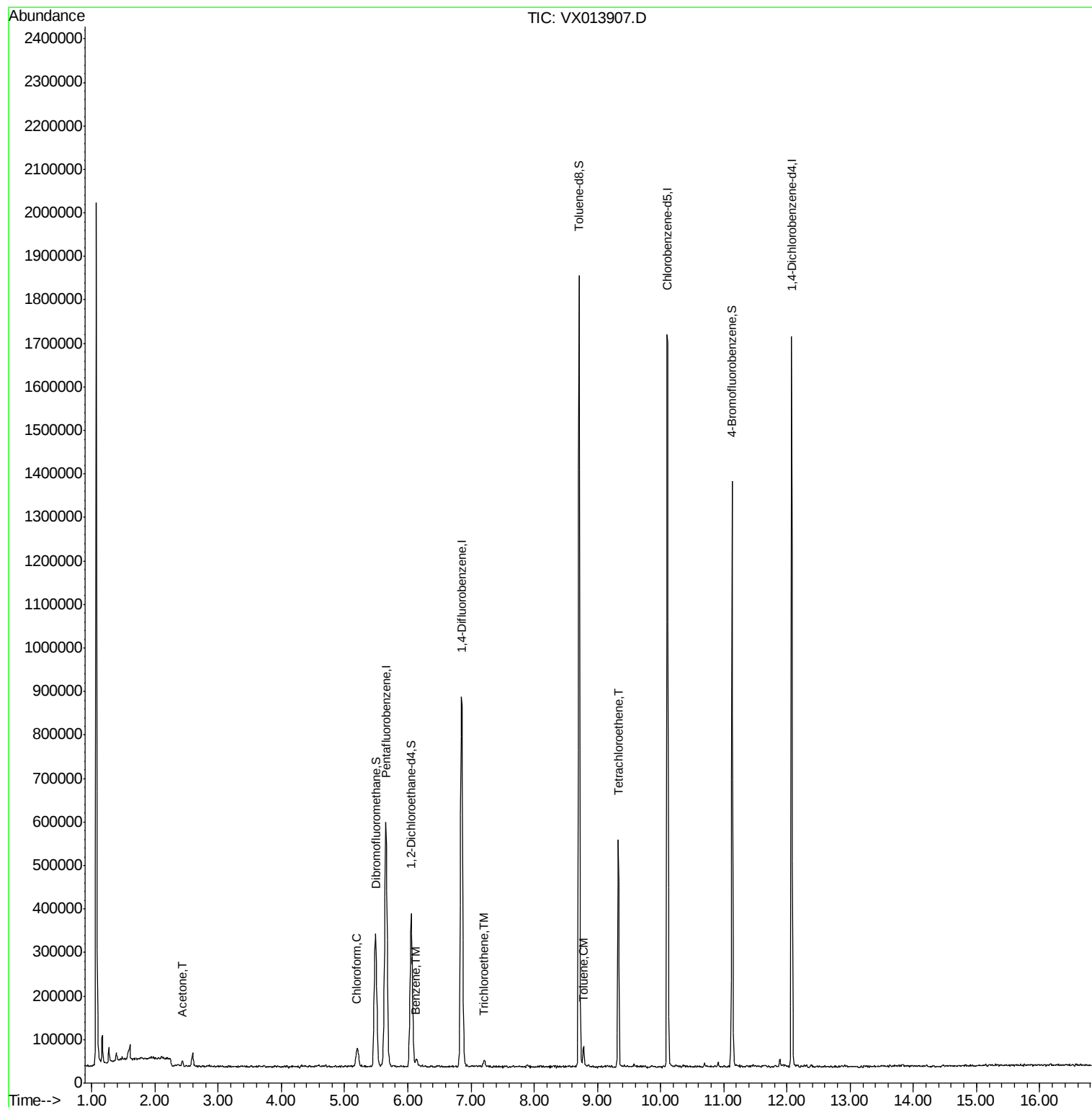
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 582327   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 897692   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 801802   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 345097   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 325202   | 48.11  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.22% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 268300   | 48.35  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.70% |          |
| 50) Toluene-d8              | 8.71  | 98   | 1055891  | 48.83  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.66% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 353134   | 45.29  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.58% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.43  | 43   | 15817    | 4.740  | ug/l   | 93       |
| 30) Chloroform              | 5.20  | 83   | 53385    | 4.972  | ug/l   | 96       |
| 40) Benzene                 | 6.14  | 78   | 21125    | 0.851  | ug/l   | 98       |
| 44) Trichloroethene         | 7.21  | 130  | 6942     | 1.019  | ug/l   | 89       |
| 52) Toluene                 | 8.78  | 92   | 18082    | 1.173  | ug/l   | 99       |
| 64) Tetrachloroethene       | 9.33  | 164  | 102542   | 17.149 | ug/l   | 93       |

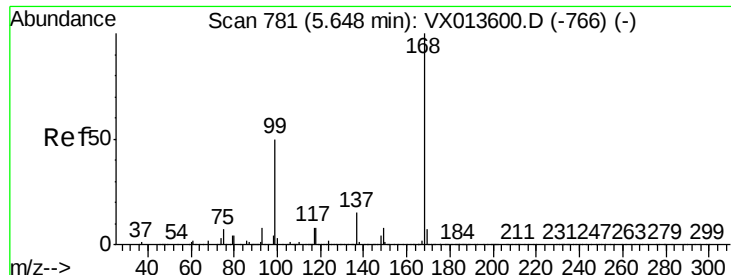
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121019\  
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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# 782

Delta R.T. 0.01 min

Lab File: VX013907.D

Acq: 10 Dec 2019 18:43

Instrument :

MSVOA\_X

ClientSampleId :

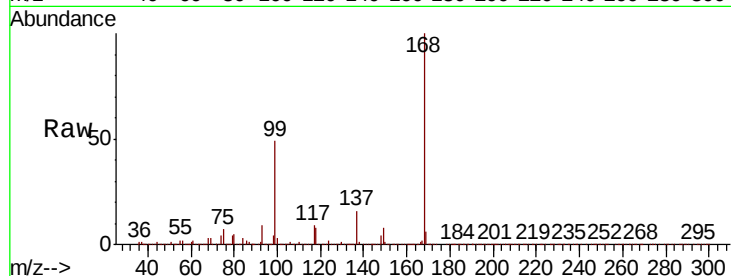
TW-4

Tot Ion:168 Resp: 582327

Ion Ratio Lower Upper

168 100

99 48.7 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

200000

150000

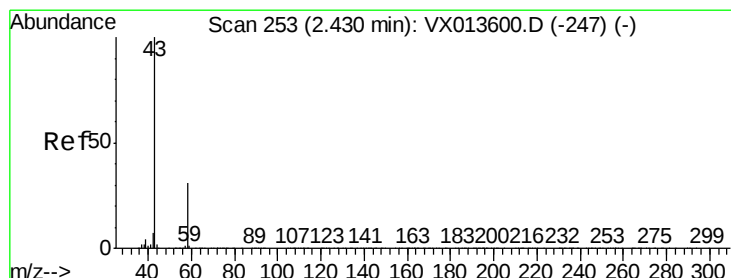
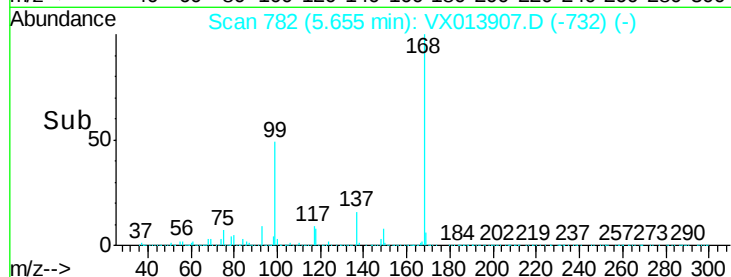
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 4.740 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013907.D

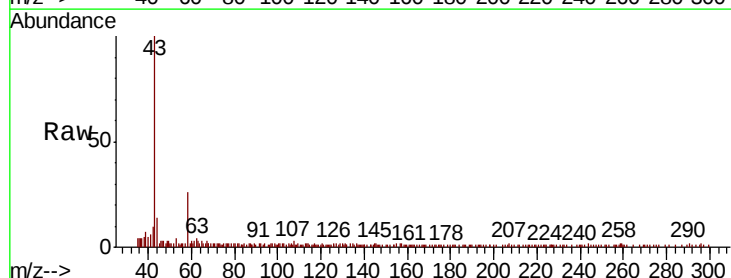
Acq: 10 Dec 2019 18:43

Tgt Ion: 43 Resp: 15817

Ion Ratio Lower Upper

43 100

58 27.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

10000

8000

6000

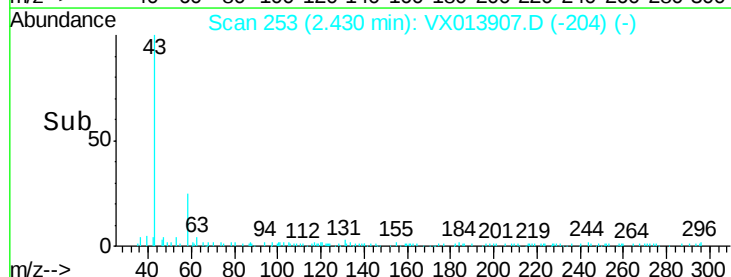
4000

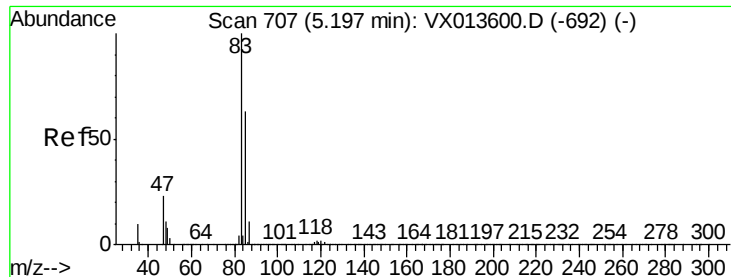
2000

0

Time-->

2.35 2.40 2.45 2.50 2.55

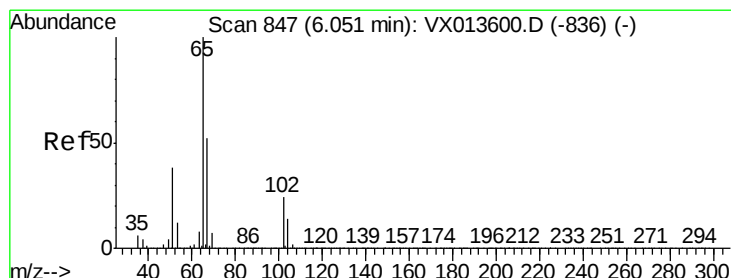
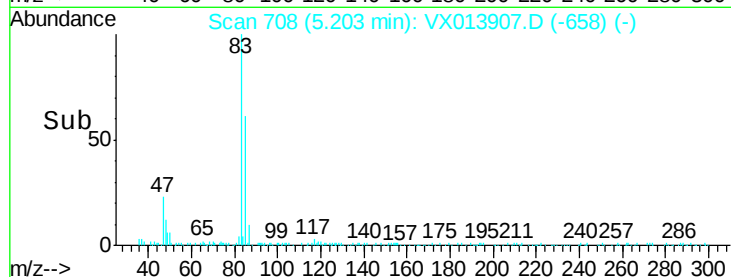
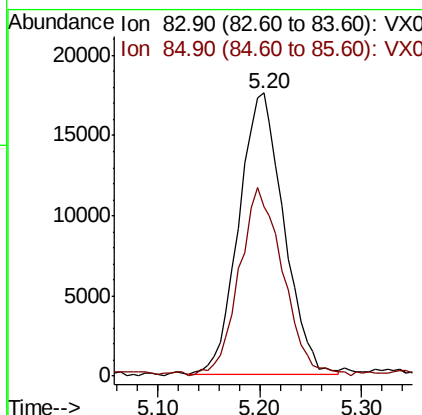
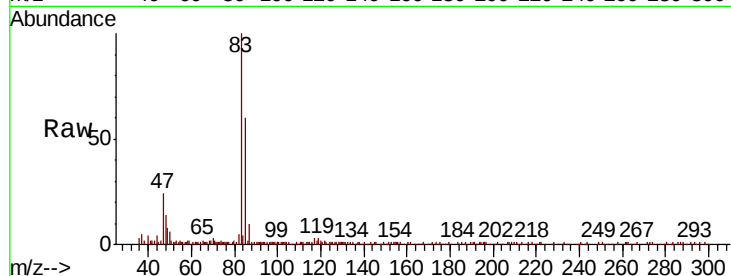




#30  
Chloroform  
Concen: 4.972 ug/l  
RT: 5.20 min Scan# 708  
Delta R.T. 0.01 min  
Lab File: VX013907.D  
Acq: 10 Dec 2019 18:43

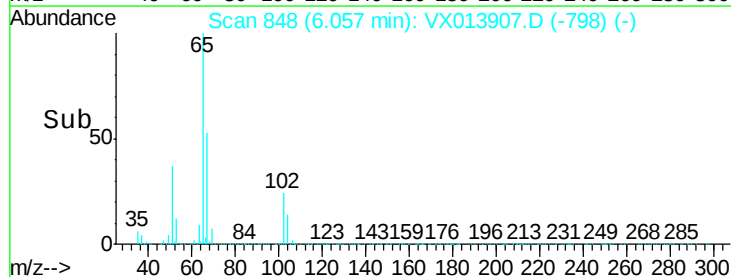
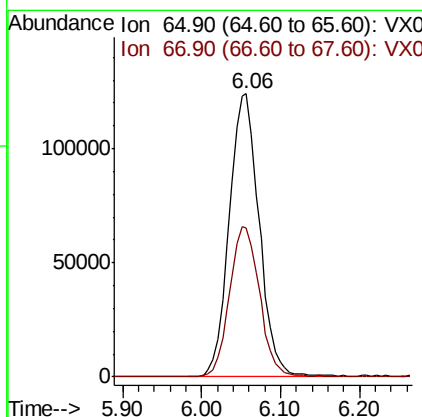
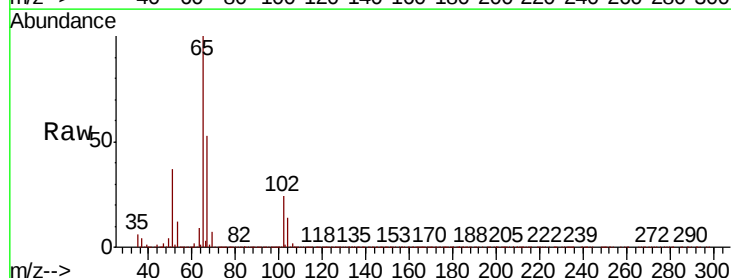
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-4

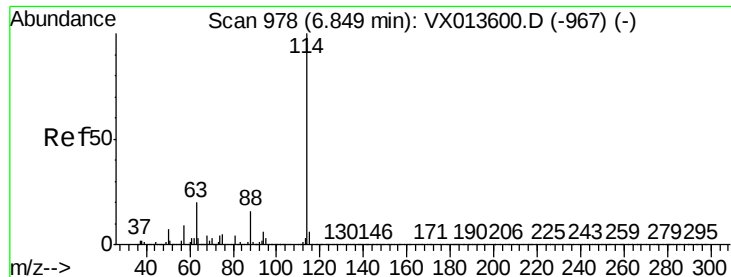
Tot Ion: 83 Resp: 53385  
Ion Ratio Lower Upper  
83 100  
85 59.9 50.2 75.4



#33  
1,2-Dichloroethane-d4  
Concen: 48.110 ug/l  
RT: 6.06 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: VX013907.D  
Acq: 10 Dec 2019 18:43

Tgt Ion: 65 Resp: 325202  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013907.D

Acq: 10 Dec 2019 18:43

Instrument :

MSVOA\_X

ClientSampleId :

TW-4

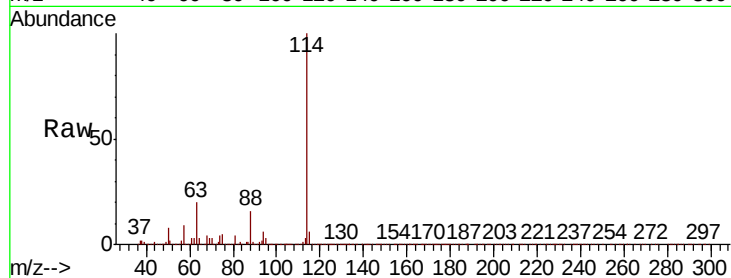
Tot Ion:114 Resp: 897692

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

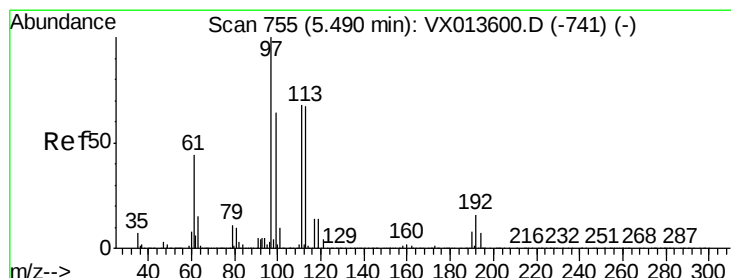
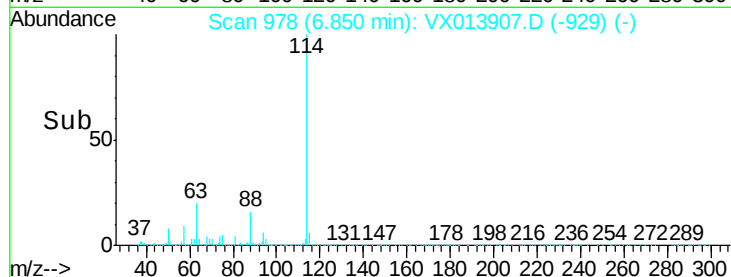
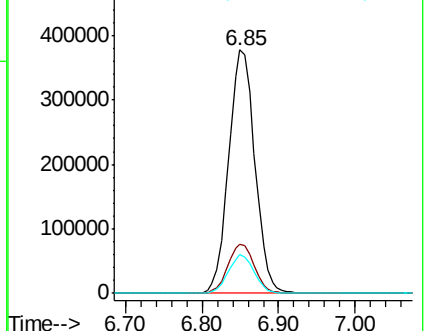
88 15.8 0.0 31.4



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: 48.345 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013907.D

Acq: 10 Dec 2019 18:43

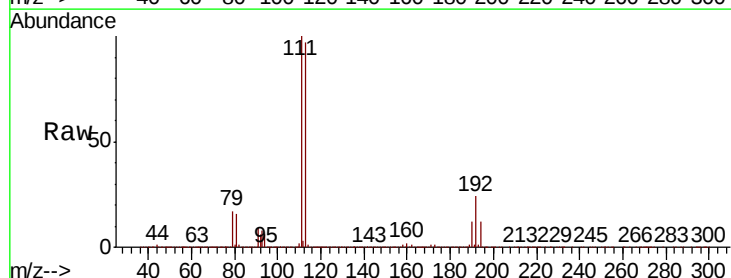
Tgt Ion:113 Resp: 268300

Ion Ratio Lower Upper

113 100

111 102.8 83.6 125.4

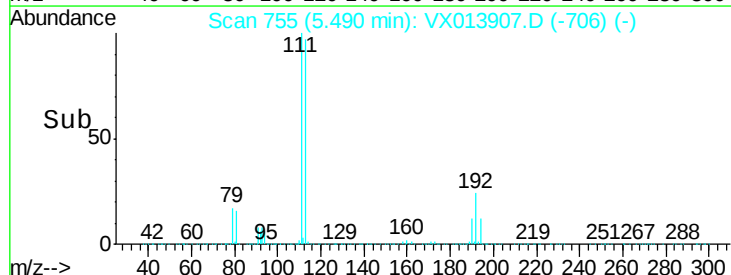
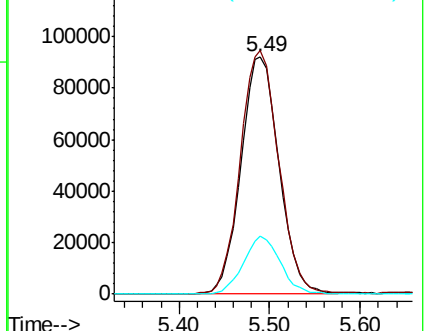
192 23.3 19.2 28.8

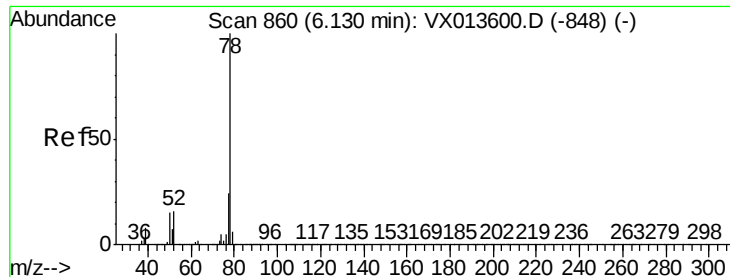


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.851 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013907.D

Acq: 10 Dec 2019 18:43

Instrument :

MSVOA\_X

ClientSampleId :

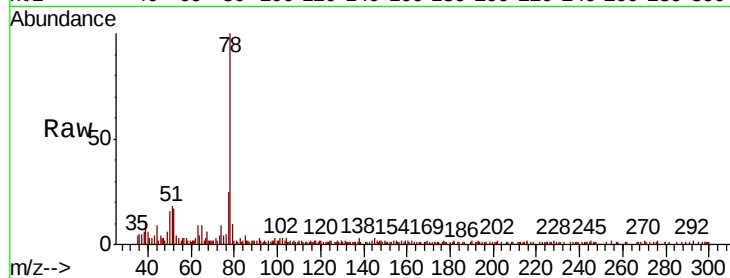
TW-4

Tot Ion: 78 Resp: 21125

Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

8000

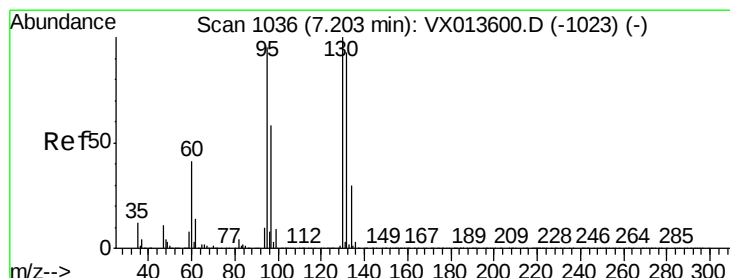
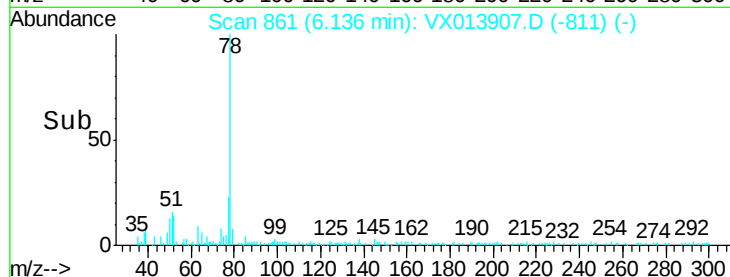
6000

4000

2000

0

Time--> 6.00 6.10 6.20



#44

Trichloroethene

Concen: 1.019 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013907.D

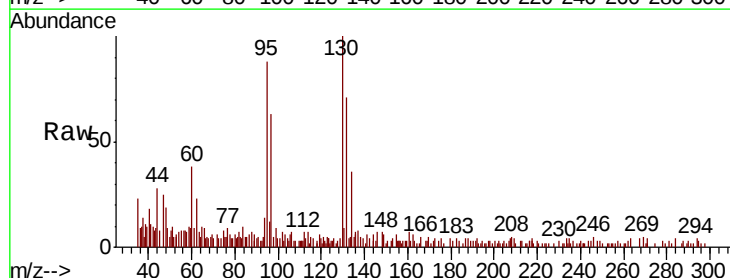
Acq: 10 Dec 2019 18:43

Tgt Ion:130 Resp: 6942

Ion Ratio Lower Upper

130 100

95 84.6 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

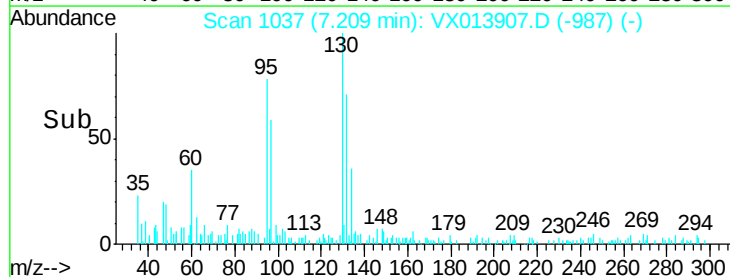
3000

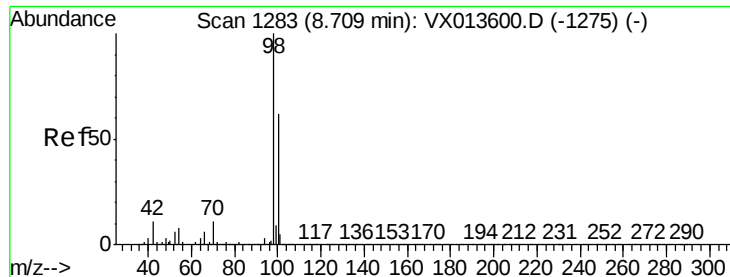
2000

1000

0

Time--> 7.10 7.15 7.20 7.25 7.30





#50

Toluene-d8

Concen: 48.834 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013907.D

Acq: 10 Dec 2019 18:43

Instrument :

MSVOA\_X

ClientSampleId :

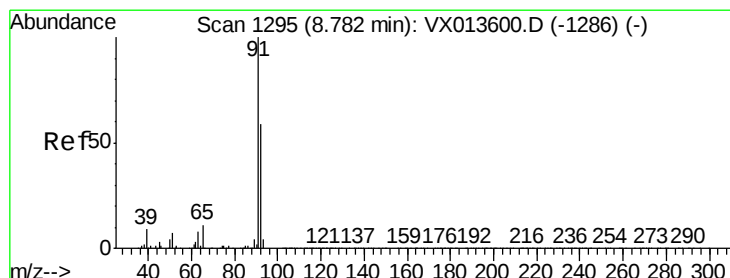
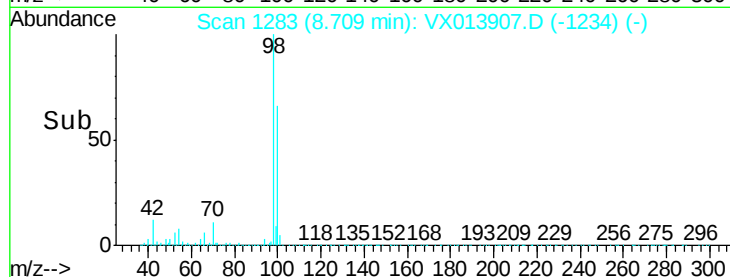
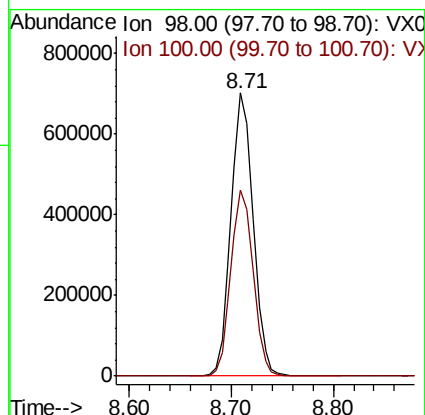
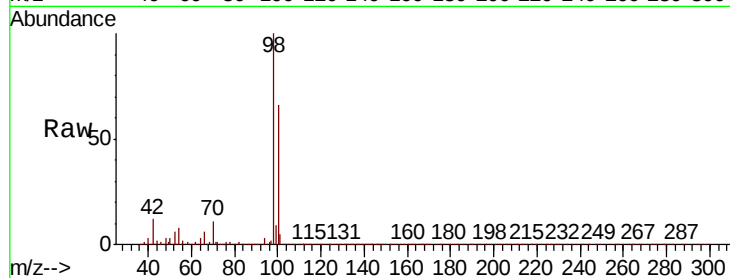
TW-4

Tot Ion: 98 Resp: 1055891

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



#52

Toluene

Concen: 1.173 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013907.D

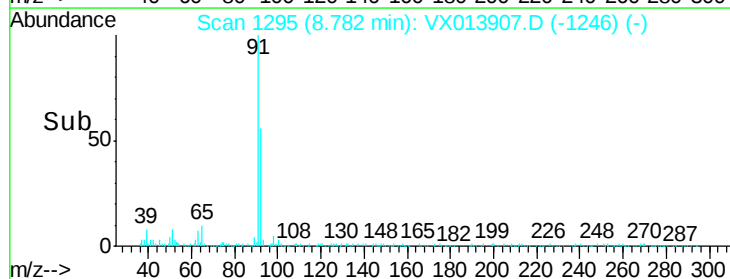
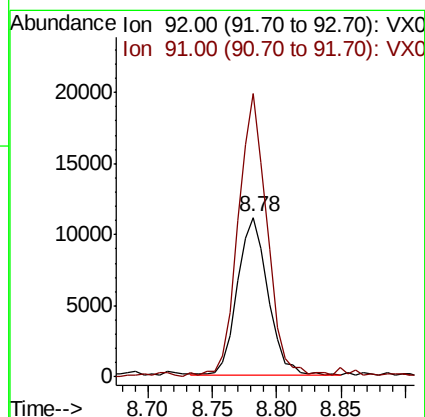
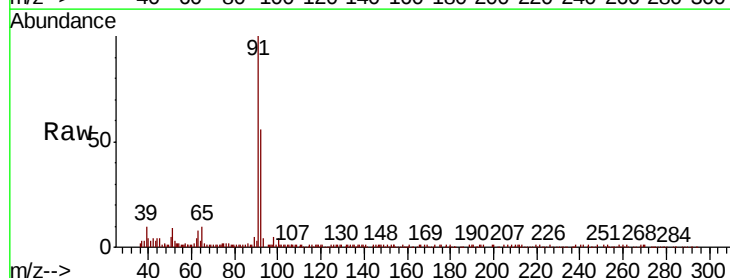
Acq: 10 Dec 2019 18:43

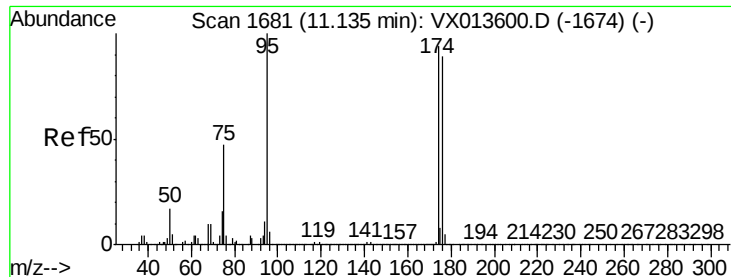
Tgt Ion: 92 Resp: 18082

Ion Ratio Lower Upper

92 100

91 172.1 136.2 204.2

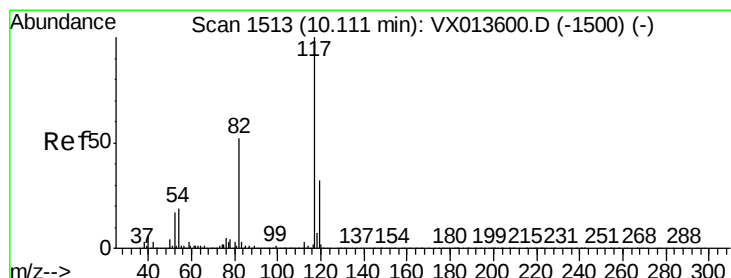
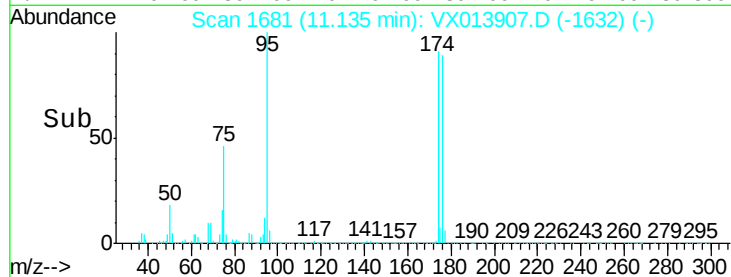
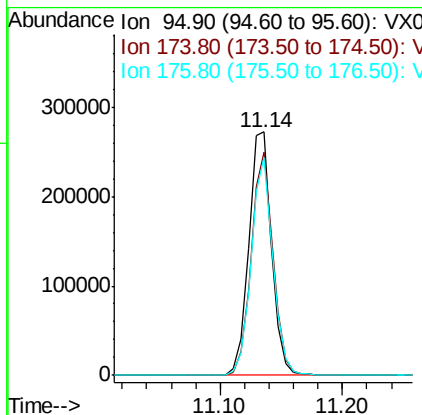
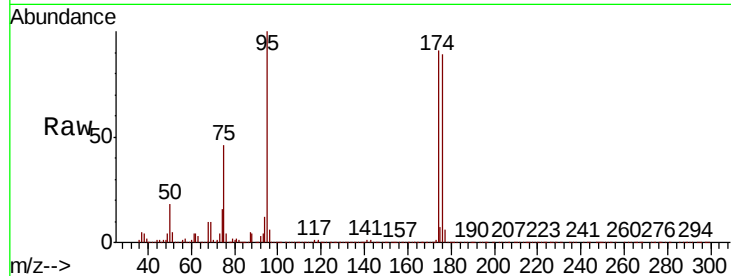




#62  
4-Bromofluorobenzene  
Concen: 45.291 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX013907.D  
Acq: 10 Dec 2019 18:43

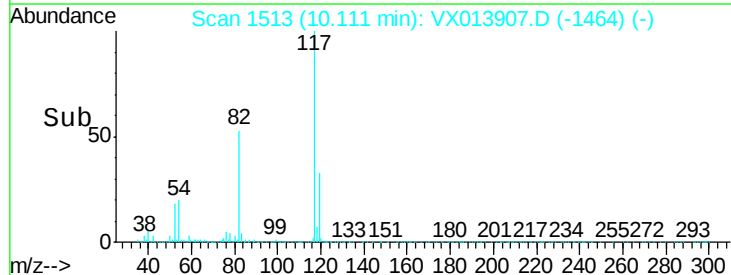
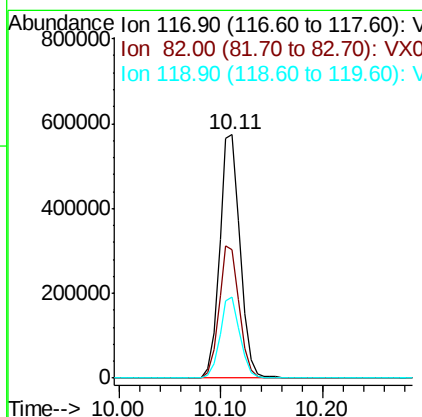
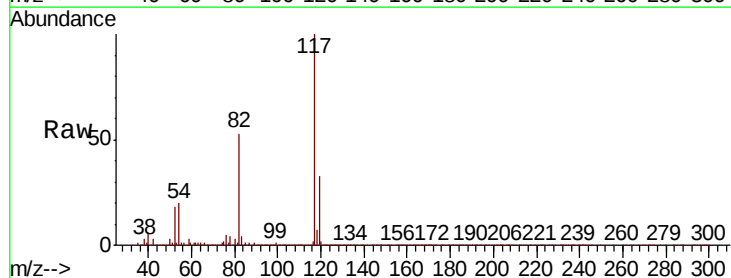
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-4

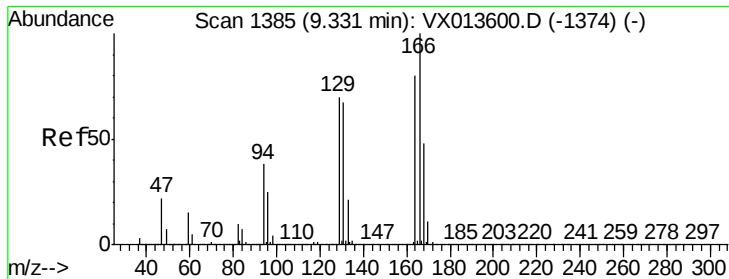
Tot Ion: 95 Resp: 353134  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 180.0  
176 86.2 0.0 173.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX013907.D  
Acq: 10 Dec 2019 18:43

Tgt Ion: 117 Resp: 801802  
Ion Ratio Lower Upper  
117 100  
82 52.9 41.8 62.8  
119 33.1 25.8 38.8





#64

Tetrachloroethene

Concen: 17.149 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013907.D

Acq: 10 Dec 2019 18:43

Instrument :

MSVOA\_X

ClientSampleId :

TW-4

Tot Ion:164 Resp: 102542

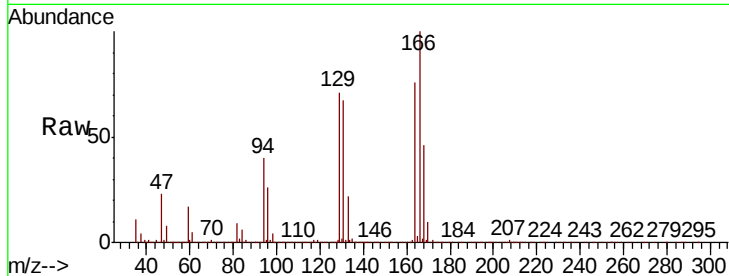
Ion Ratio Lower Upper

164 100

166 132.3 99.7 149.5

129 94.3 70.1 105.1

131 88.9 66.9 100.3

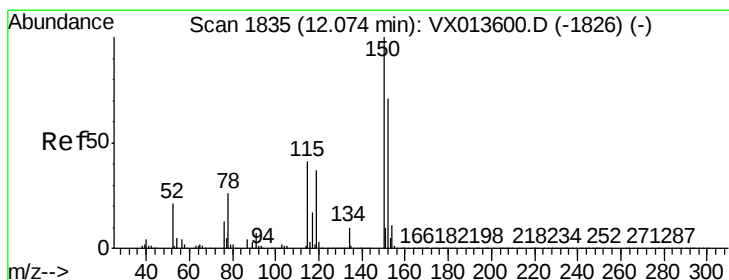
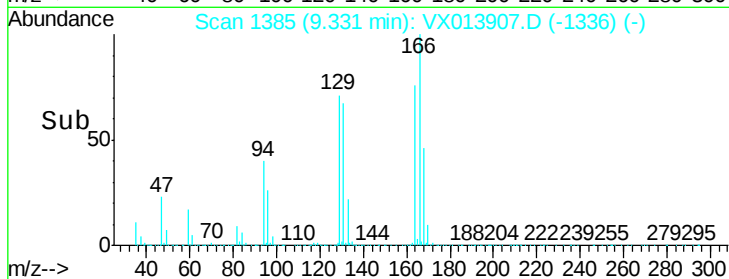
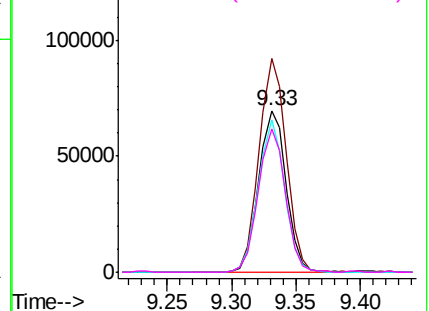


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX013907.D

Acq: 10 Dec 2019 18:43

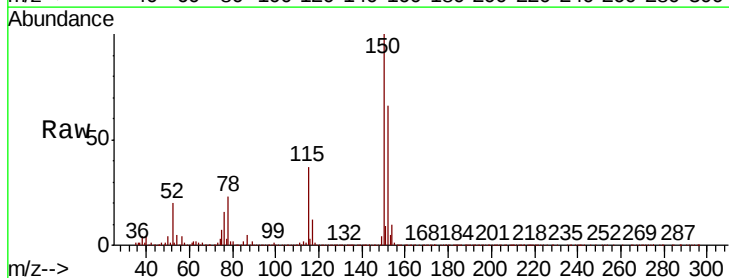
Tgt Ion:152 Resp: 345097

Ion Ratio Lower Upper

152 100

115 56.2 38.4 115.1

150 156.0 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

