

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111819\  
 Data File : VY000726.D  
 Acq On : 18 Nov 2019 14:57  
 Operator : SY/MD  
 Sample : K5861-15RE  
 Misc : 5.72G/5ML/MSVOA Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-12RE

Quant Time: Nov 18 15:22:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 175855   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 325419   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 306896   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 147705   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 115251   | 63.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 126.66% |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 99600    | 52.14 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.28% |          |
| 50) Toluene-d8              | 10.18 | 98   | 382282   | 52.74 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.48% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 137318   | 49.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.52%  |          |

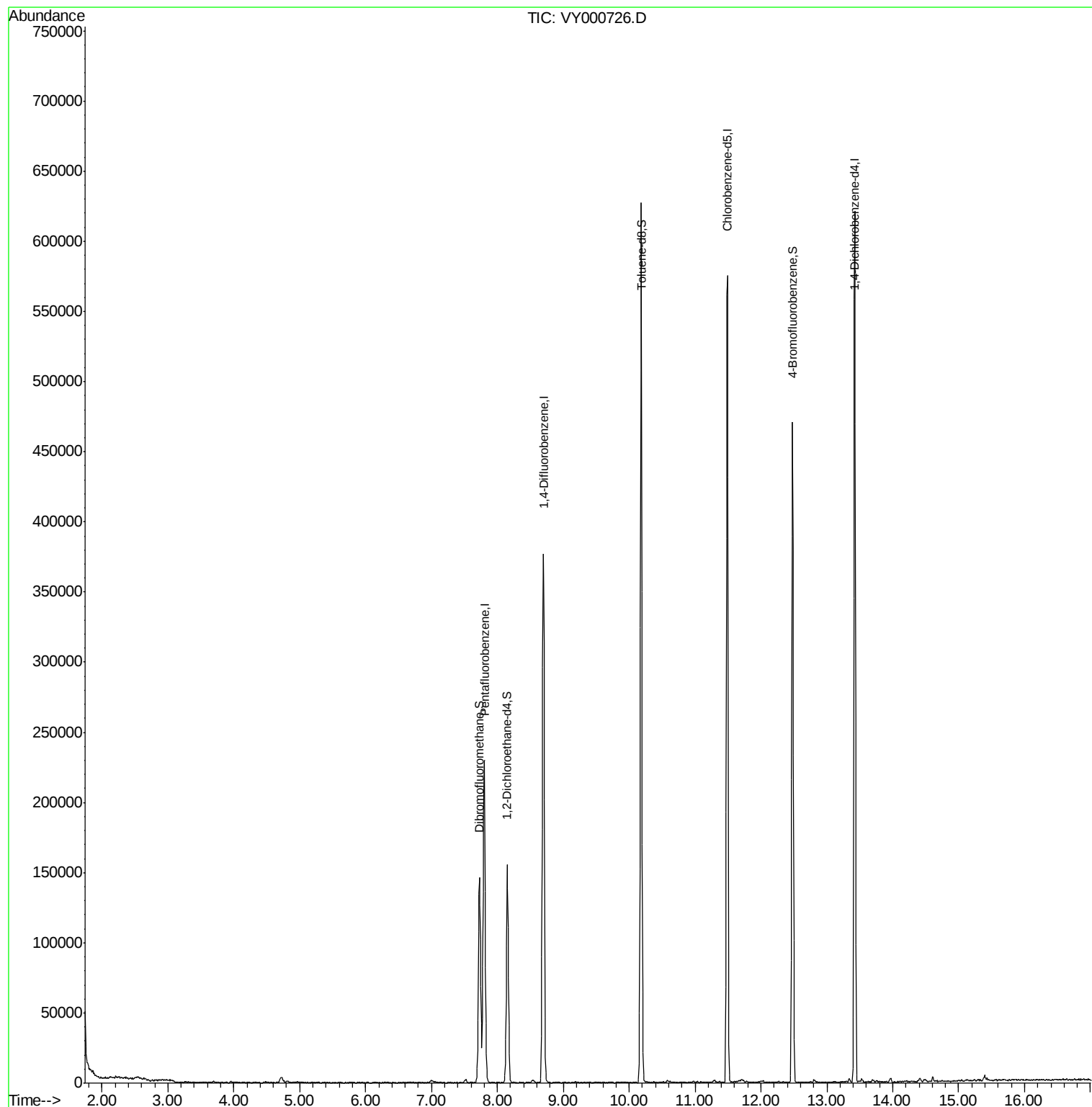
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

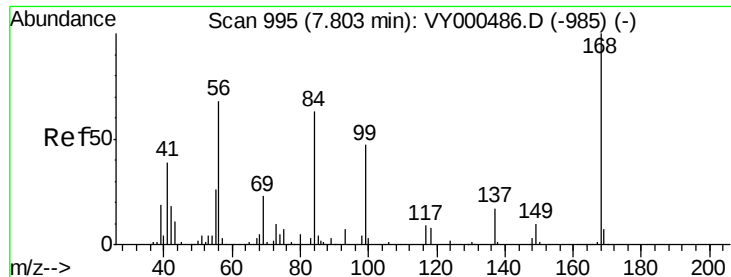
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111819\  
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QLast Update : Wed Oct 30 13:30:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000726.D

Acq: 18 Nov 2019 14:57

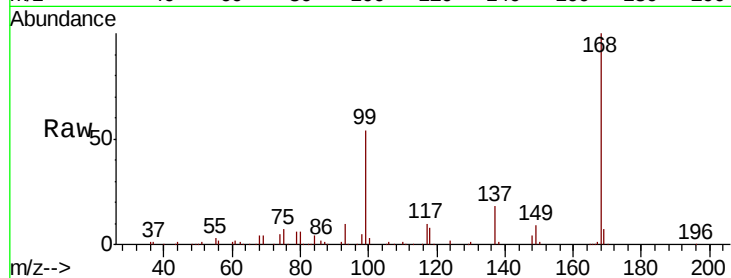
Instrument :  
MSVOA\_Y  
ClientSampled :  
EP-12RE

Tot Ion:168 Resp: 175855

Ion Ratio Lower Upper

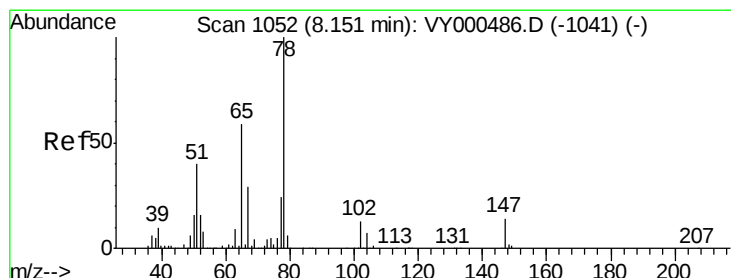
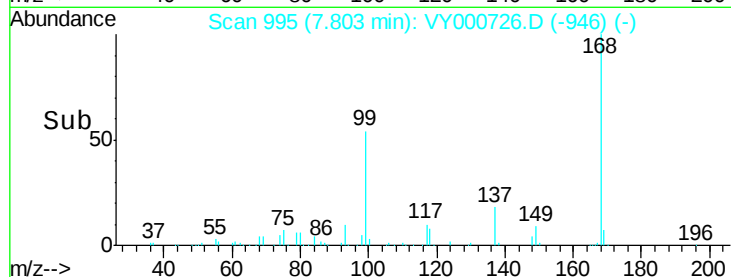
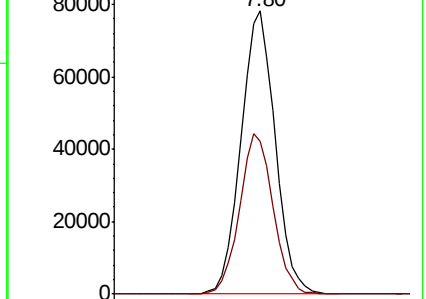
168 100

99 53.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)



#33

1,2-Dichloroethane-d4

Concen: 63.329 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000726.D

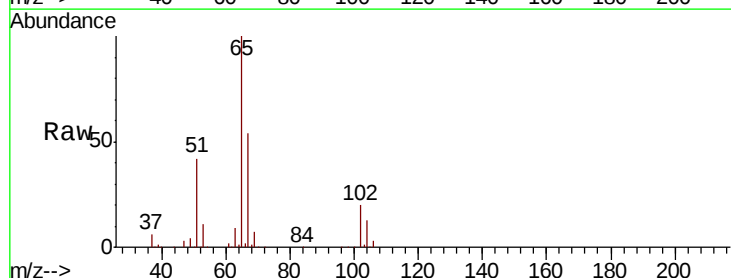
Acq: 18 Nov 2019 14:57

Tgt Ion: 65 Resp: 115251

Ion Ratio Lower Upper

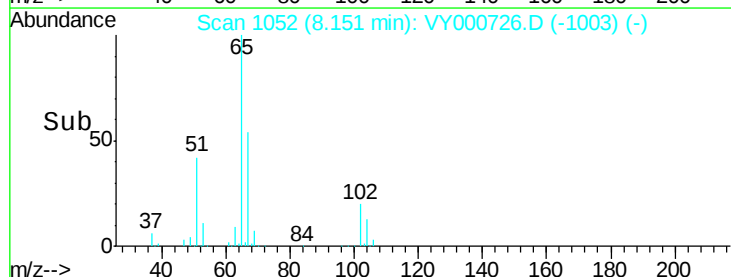
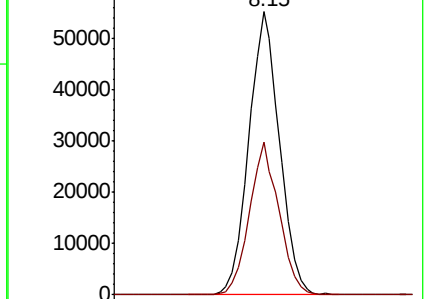
65 100

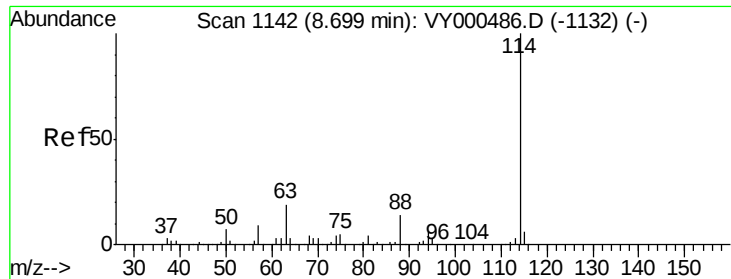
67 51.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

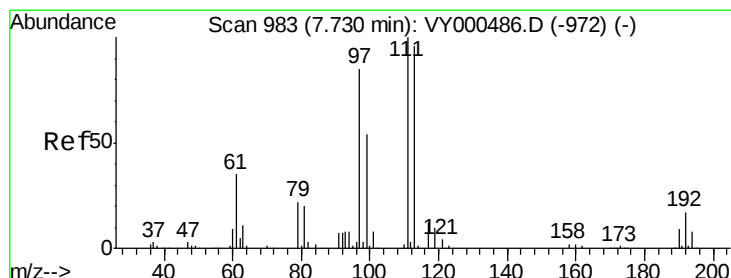
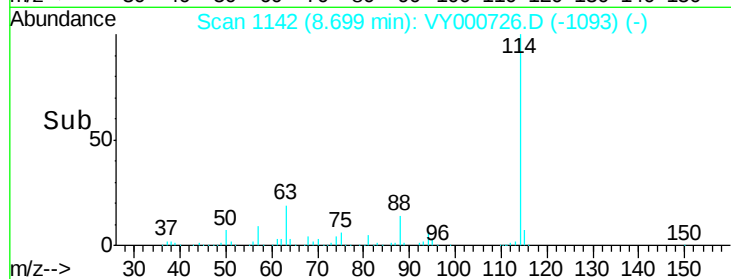
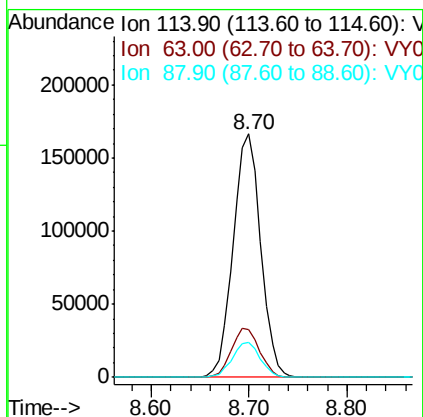
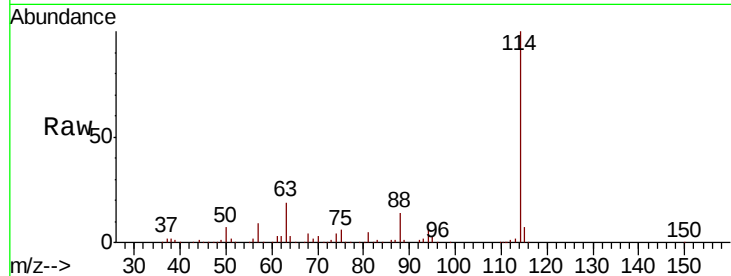




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.70 min Scan# 1142  
 Delta R.T. -0.00 min  
 Lab File: VY000726.D  
 Acq: 18 Nov 2019 14:57

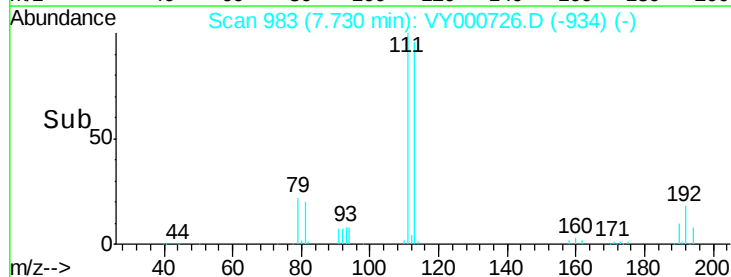
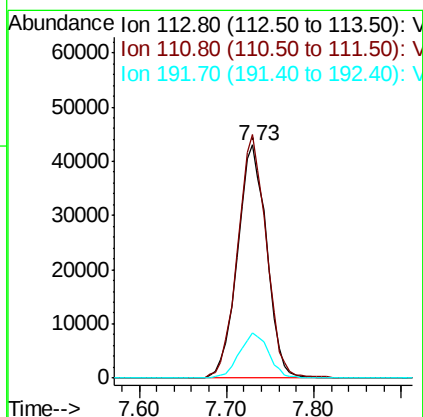
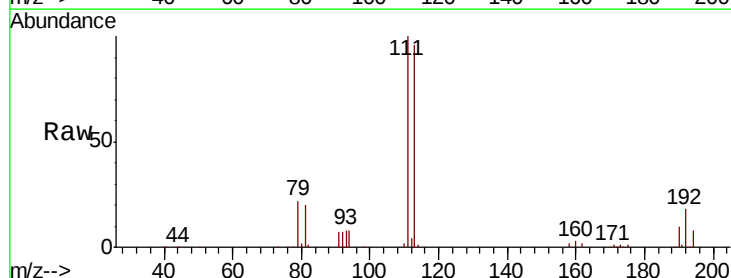
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 EP-12RE

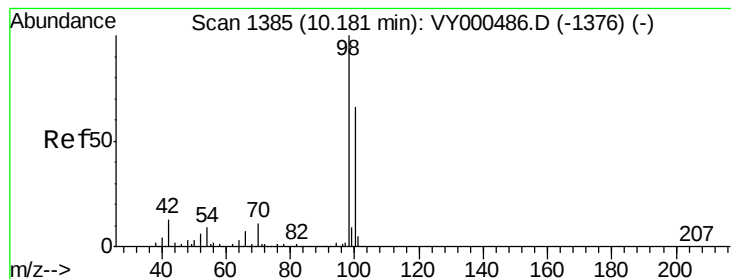
Tot Ion:114 Resp: 325419  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 38.0  
 88 14.5 0.0 28.6



#35  
 Dibromofluoromethane  
 Concen: 52.135 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000726.D  
 Acq: 18 Nov 2019 14:57

Tgt Ion:113 Resp: 99600  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.7 122.5  
 192 19.2 15.0 22.4





#50

Toluene-d8

Concen: 52.736 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000726.D

Acq: 18 Nov 2019 14:57

Instrument :

MSVOA\_Y

ClientSampled :

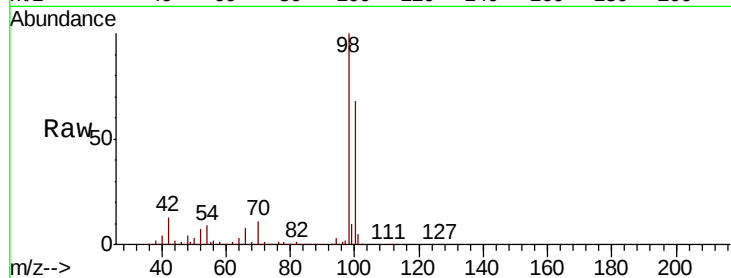
EP-12RE

Tot Ion: 98 Resp: 382282

Ion Ratio Lower Upper

98 100

100 66.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

100000

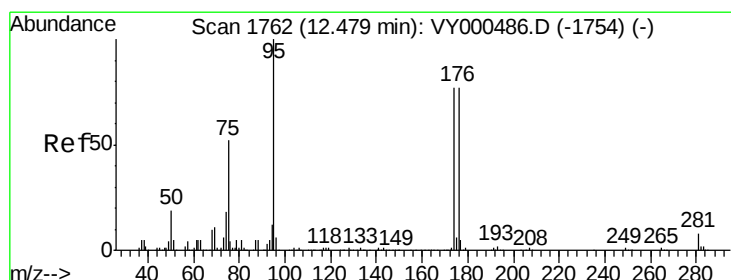
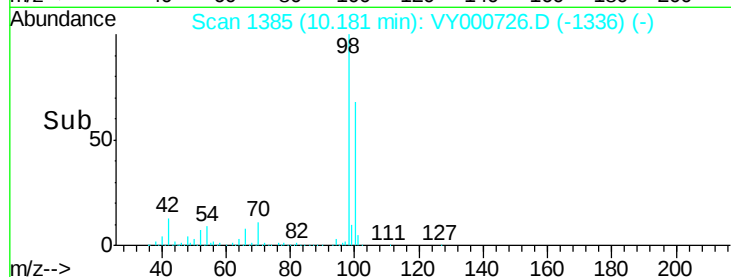
50000

0

10.10

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 49.759 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000726.D

Acq: 18 Nov 2019 14:57

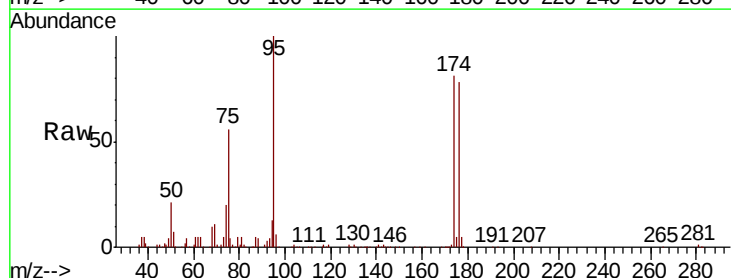
Tgt Ion: 95 Resp: 137318

Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 78.3 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

20000

0

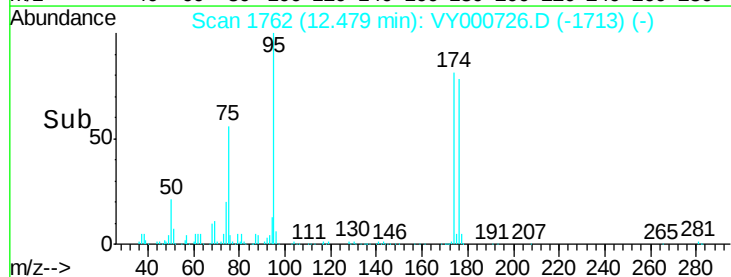
12.40

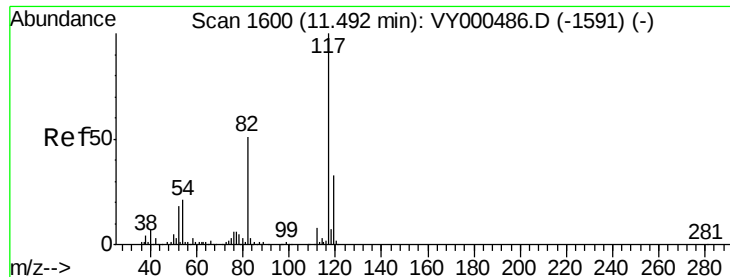
12.45

12.50

12.55

Time-->

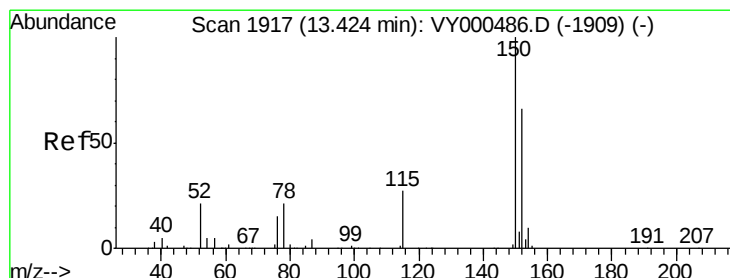
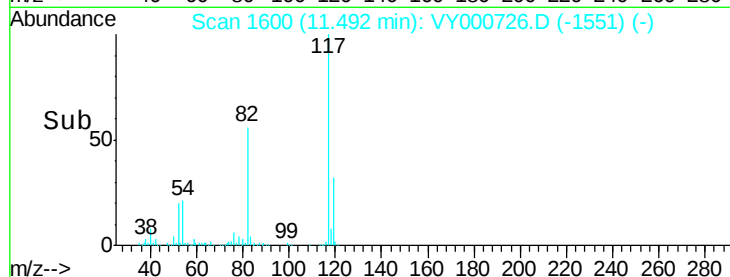
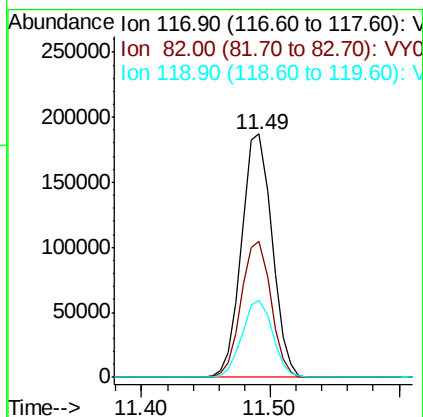
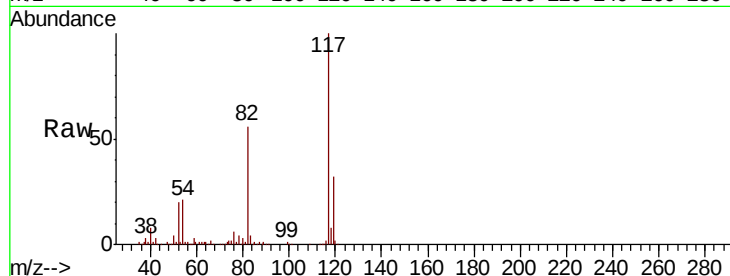




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000726.D  
Acq: 18 Nov 2019 14:57

Instrument :  
MSVOA\_Y  
ClientSampled :  
EP-12RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.8  | 40.8  | 61.2  |
| 119     | 31.6  | 26.2  | 39.2  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000726.D  
Acq: 18 Nov 2019 14:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.5  | 29.1  | 87.4  |
| 150     | 156.0 | 0.0   | 348.8 |

