

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\  
 Data File : VY000907.D  
 Acq On : 09 Dec 2019 11:35  
 Operator : SY/MD  
 Sample : VY1209SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1209SBL01

Quant Time: Dec 10 07:41:03 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 279729   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 514728   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 454577   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 204017   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 160343   | 53.94 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.88% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 151819   | 50.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.22% |      |
| 50) Toluene-d8              | 10.18  | 98  | 612538   | 51.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.14% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 208706   | 46.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.68%  |      |

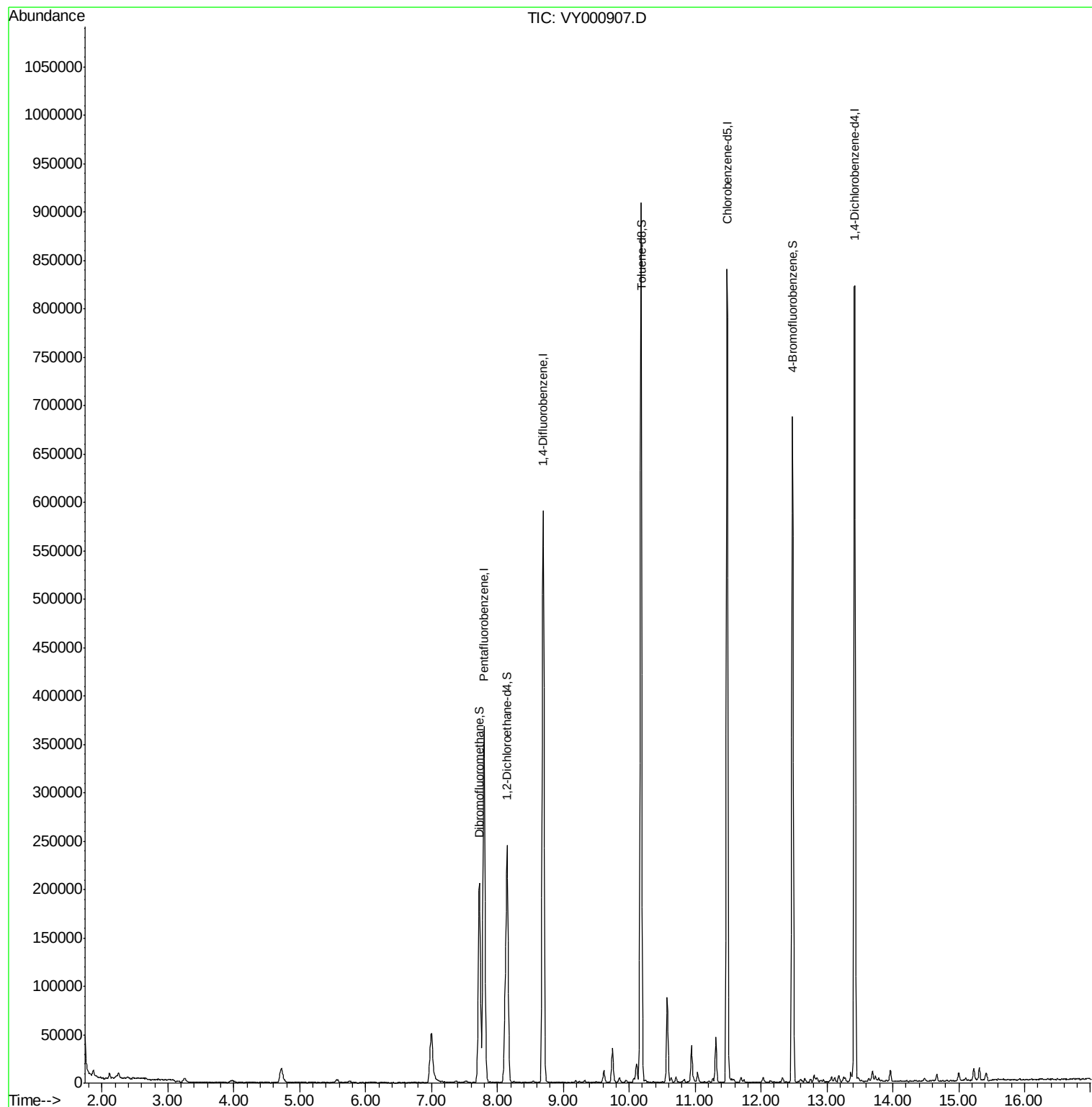
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

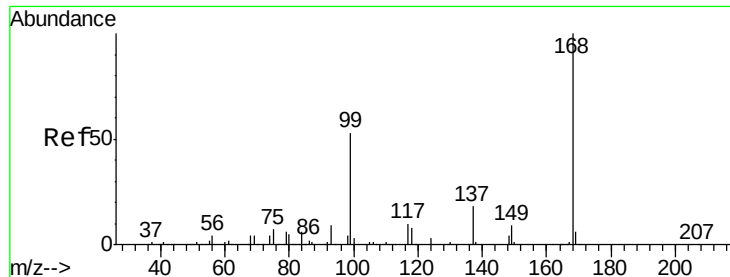
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120919\  
Data File : VY000907.D  
Acq On : 09 Dec 2019 11:35  
Operator : SY/MD  
Sample : VY1209SBL01  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1209SBL01

Quant Time: Dec 10 07:41:03 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

Instrument :

MSVOA\_Y

ClientSampleId :

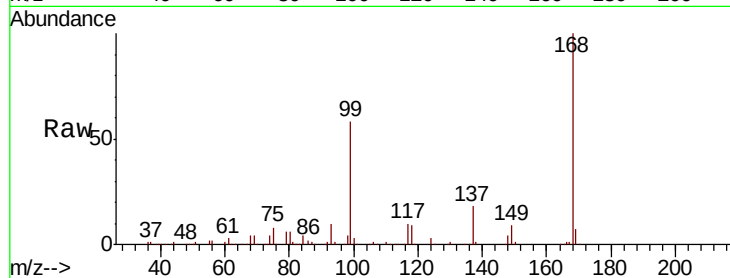
VY1209SBL01

Tot Ion:168 Resp: 279729

Ion Ratio Lower Upper

168 100

99 58.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000907.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000907.D (-946) (-)

7.80

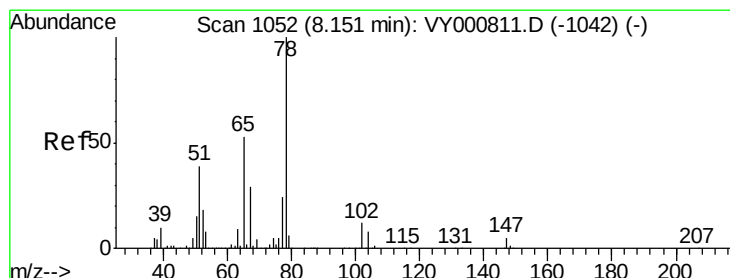
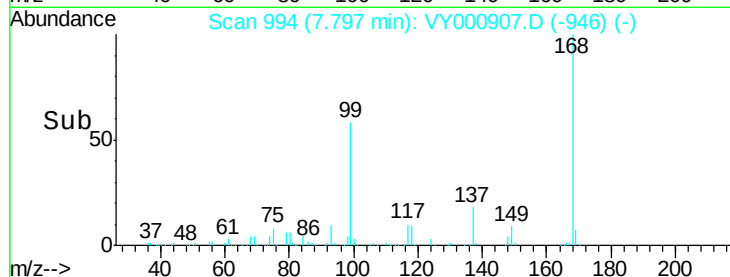
100000

50000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.945 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000907.D

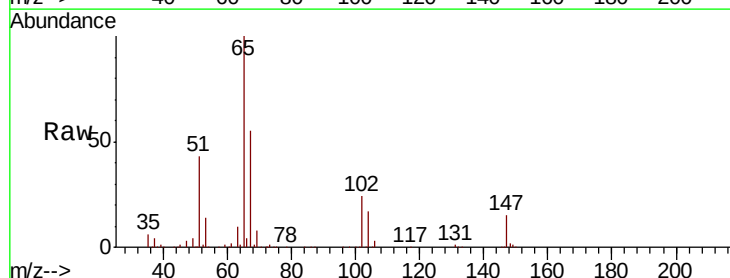
Acq: 09 Dec 2019 11:35

Tgt Ion: 65 Resp: 160343

Ion Ratio Lower Upper

65 100

67 57.5 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY000907.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY000907.D (-1003) (-)

8.15

80000

60000

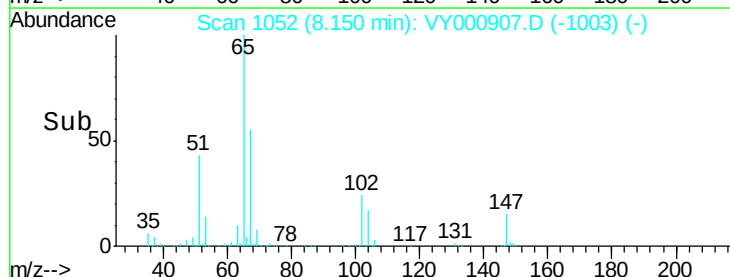
40000

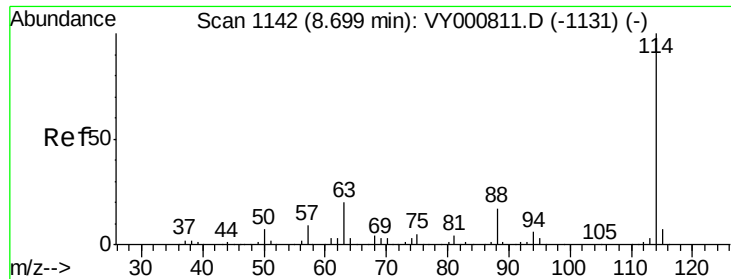
20000

0

8.10 8.20

Time-->

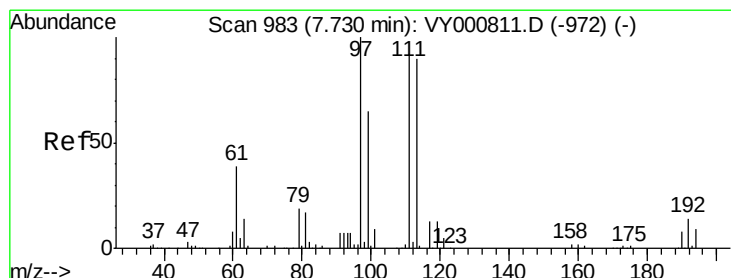
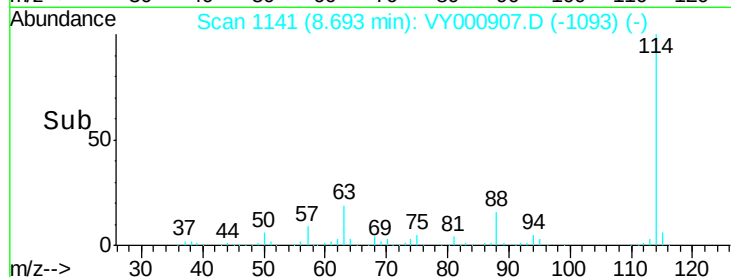
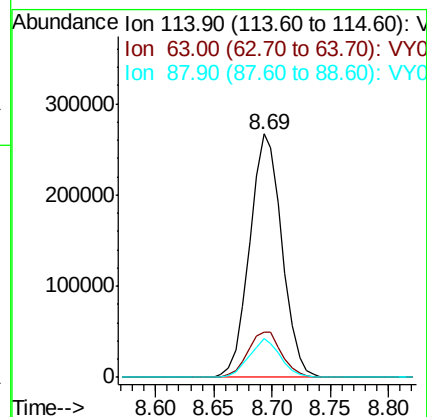
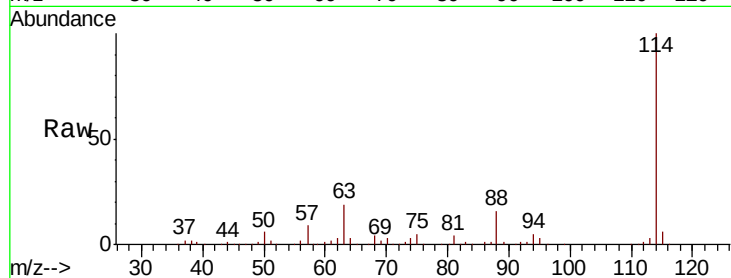




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY000907.D  
 Acq: 09 Dec 2019 11:35

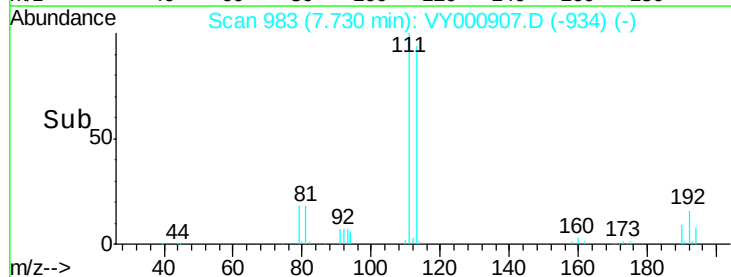
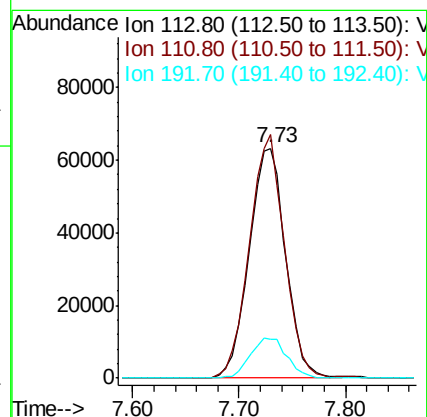
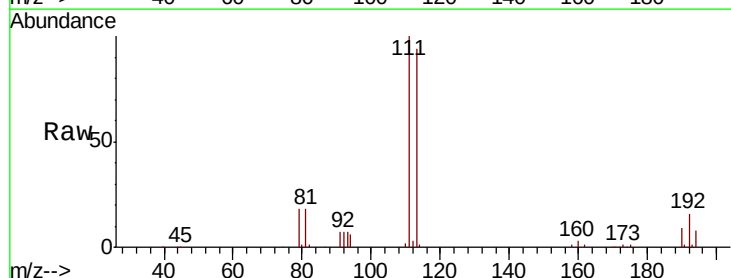
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1209SBL01

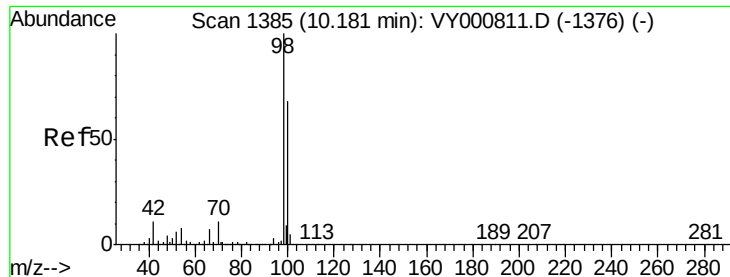
Tot Ion:114 Resp: 514728  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 39.8  
 88 15.8 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 50.609 ug/l  
 RT: 7.73 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VY000907.D  
 Acq: 09 Dec 2019 11:35

Tgt Ion:113 Resp: 151819  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 82.4 123.6  
 192 17.6 14.2 21.2





#50

Toluene-d8

Concen: 51.074 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

Instrument :

MSVOA\_Y

ClientSampleId :

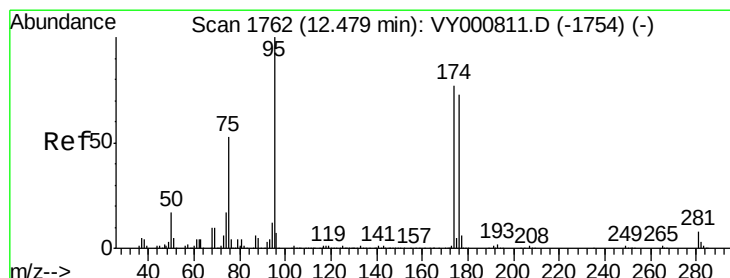
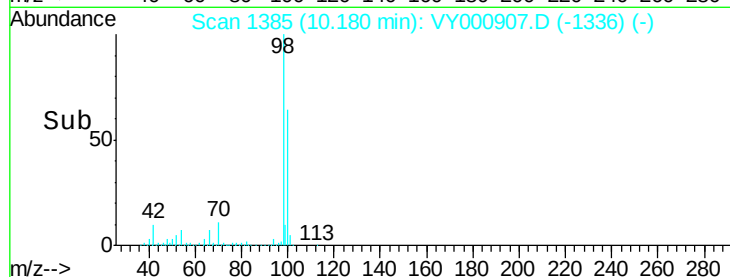
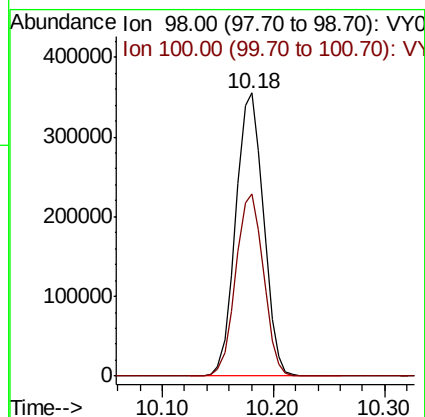
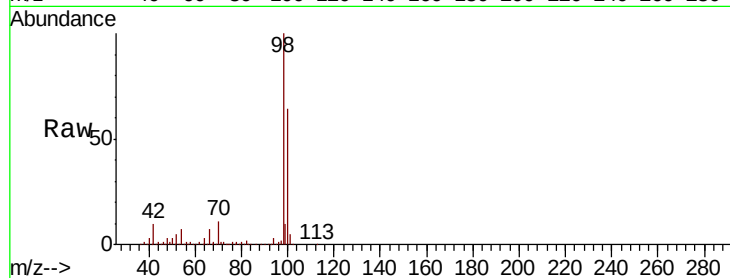
VY1209SBL01

Tot Ion: 98 Resp: 612538

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.337 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000907.D

Acq: 09 Dec 2019 11:35

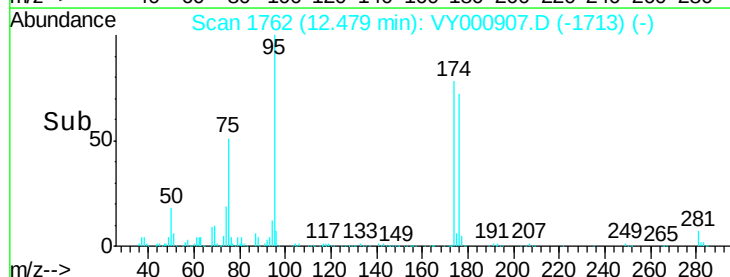
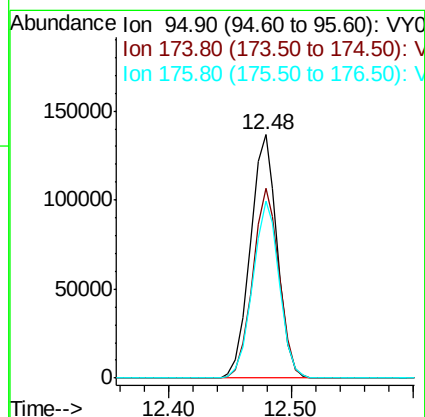
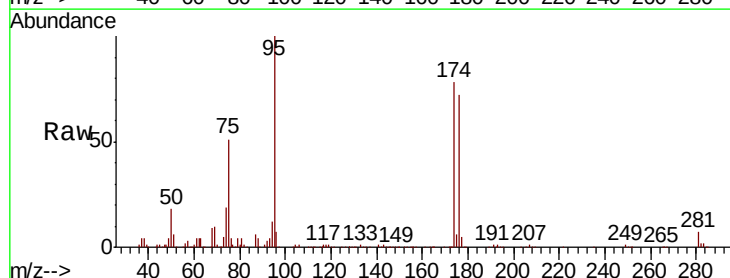
Tgt Ion: 95 Resp: 208706

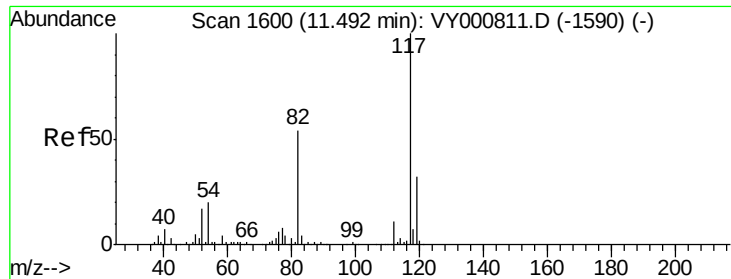
Ion Ratio Lower Upper

95 100

174 77.0 0.0 150.6

176 72.0 0.0 145.2

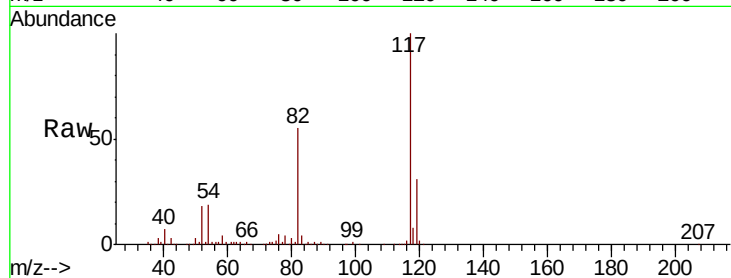




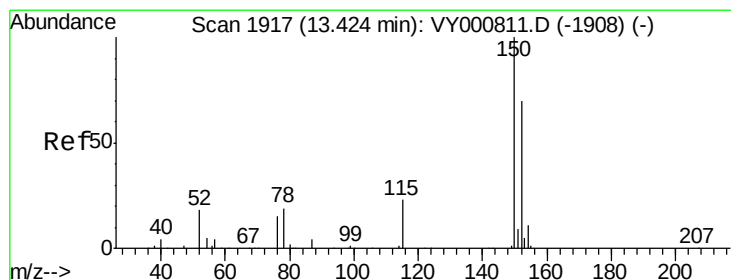
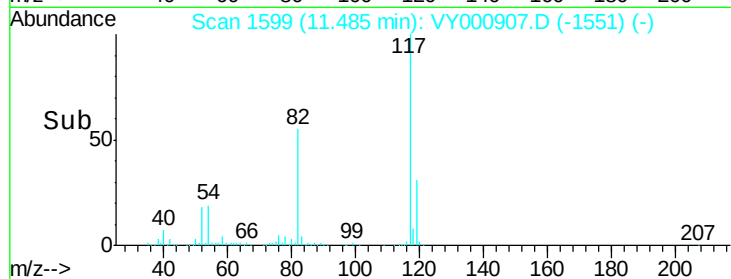
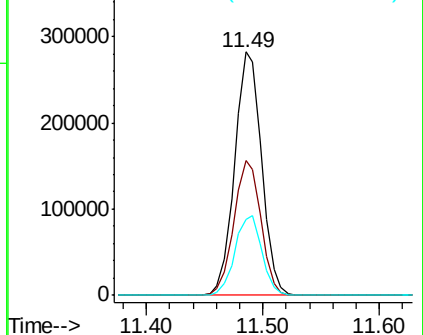
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000907.D  
Acq: 09 Dec 2019 11:35

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1209SBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 55.1  | 43.1  | 64.7  |
| 119     | 31.3  | 25.3  | 37.9  |

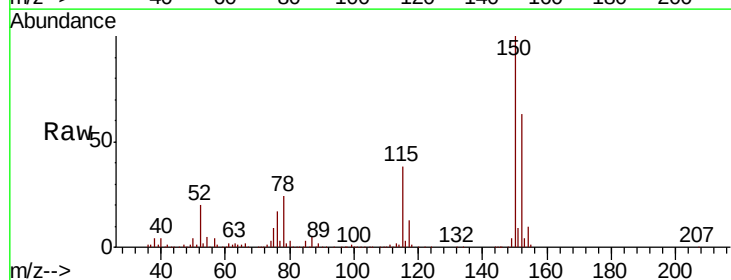


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000907.D  
Acq: 09 Dec 2019 11:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 62.2  | 29.3  | 87.8  |
| 150     | 159.6 | 0.0   | 351.2 |



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

