

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
 Data File : VY002163.D  
 Acq On : 01 Apr 2020 15:19  
 Operator : SY/MD  
 Sample : L2100-03  
 Misc : 9.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 239-SB-04-5-6

Quant Time: Apr 02 07:37:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 118358   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 231669   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 215489   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 94333    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.16   | 65  | 73093    | 55.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.72% |      |
| 35) Dibromofluoromethane    | 7.74   | 113 | 67955    | 52.35 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.70% |      |
| 50) Toluene-d8              | 10.19  | 98  | 284452   | 52.75 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.50% |      |
| 62) 4-Bromofluorobenzene    | 12.49  | 95  | 95623    | 50.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.40% |      |

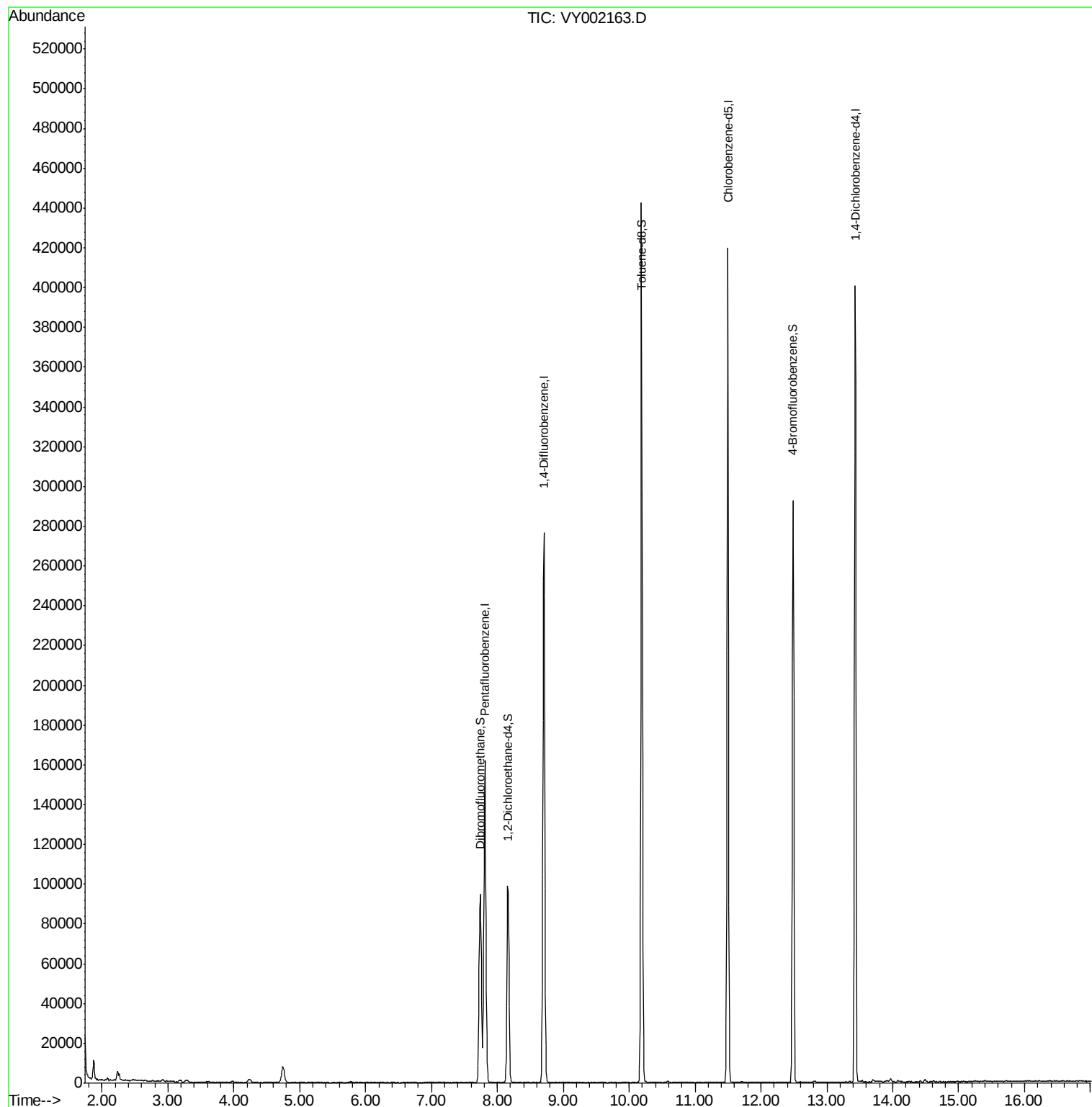
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

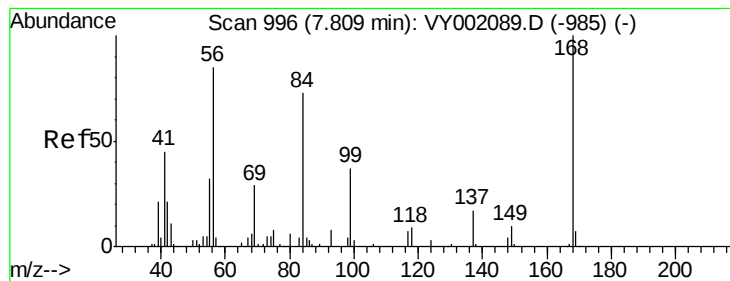
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040120\  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002163.D

Acq: 01 Apr 2020 15:19

Instrument :

MSVOA\_Y

ClientSampleId :

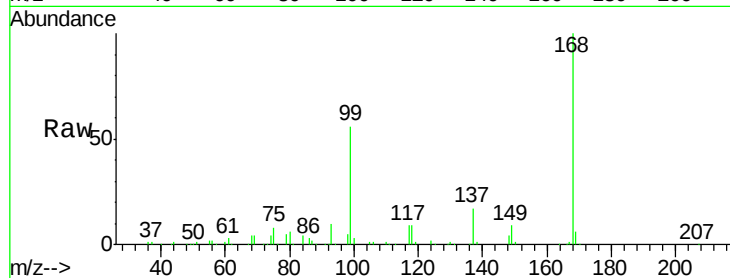
239-SB-04-5-6

Tot Ion:168 Resp: 118358

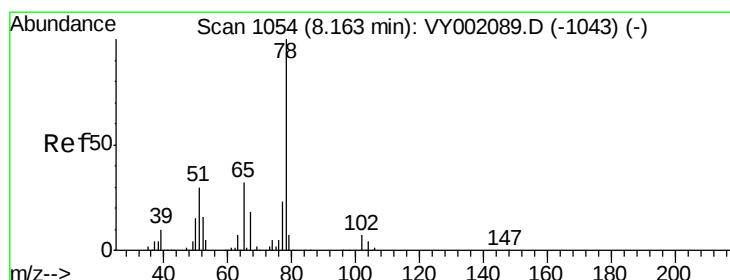
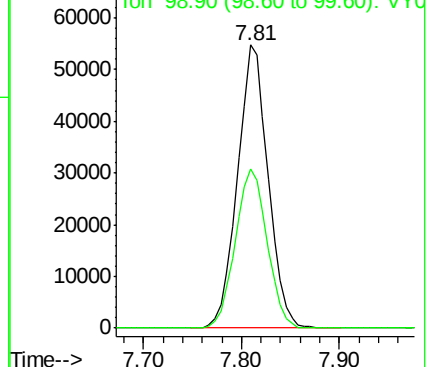
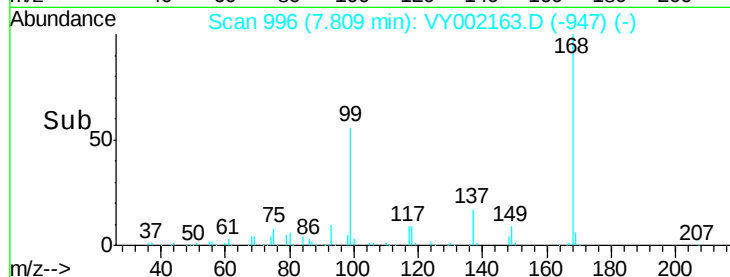
Ion Ratio Lower Upper

168 100

99 56.3 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002163.D (-947) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.864 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002163.D

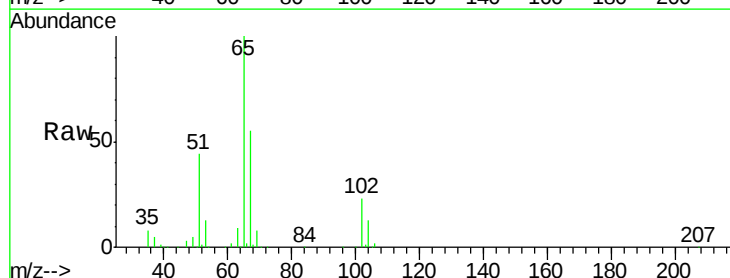
Acq: 01 Apr 2020 15:19

Tgt Ion: 65 Resp: 73093

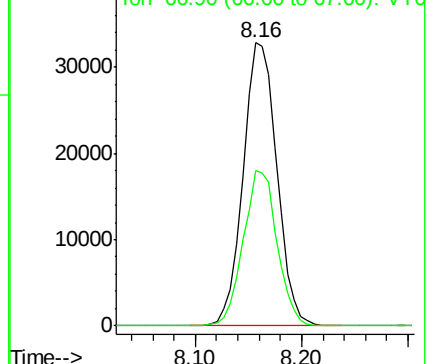
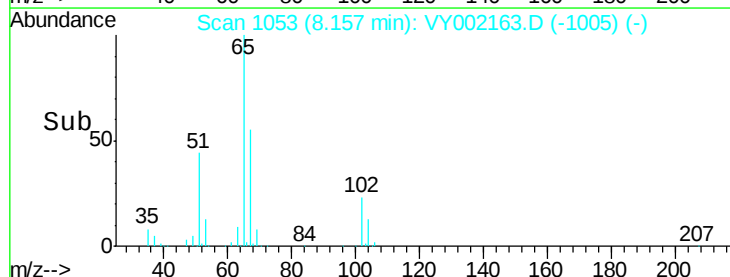
Ion Ratio Lower Upper

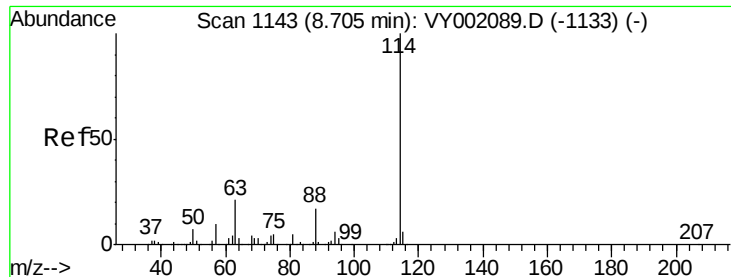
65 100

67 55.0 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002163.D (-1005) (-)

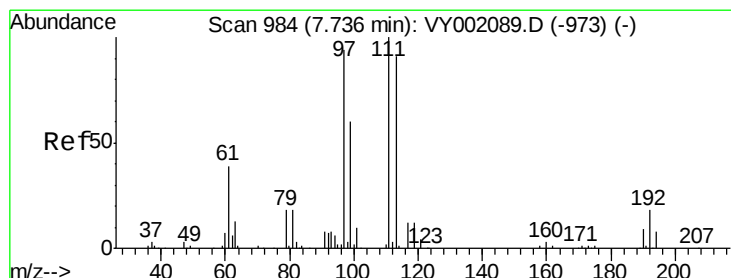
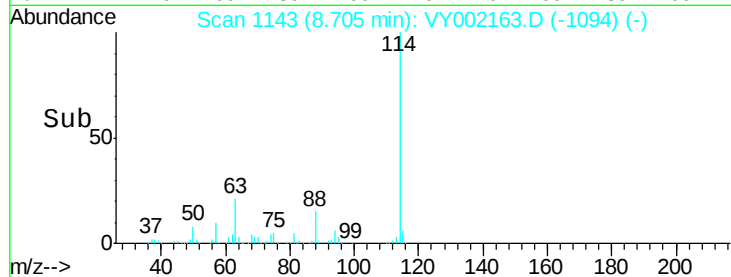
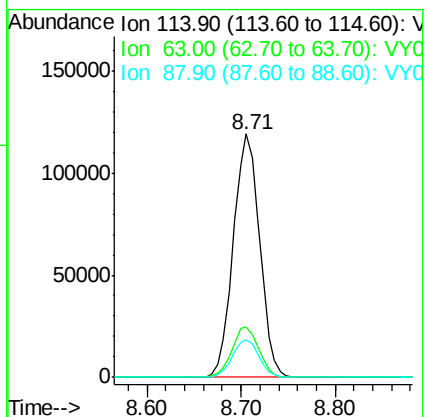
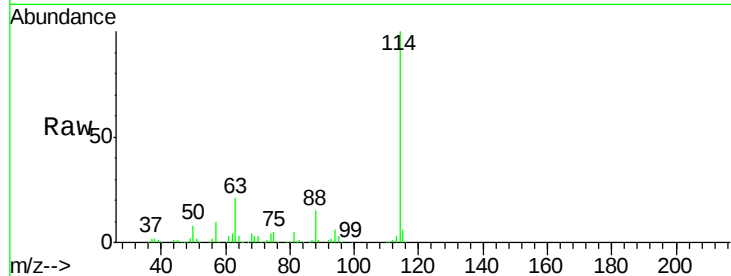




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. 0.00 min  
 Lab File: VY002163.D  
 Acq: 01 Apr 2020 15:19

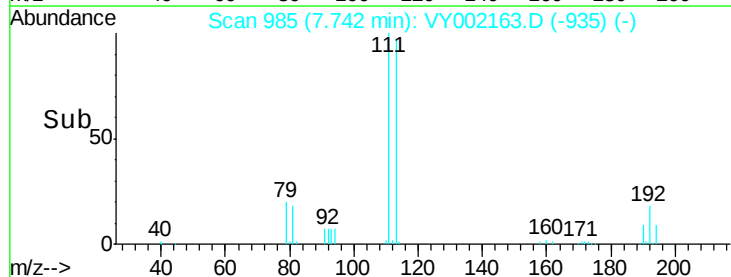
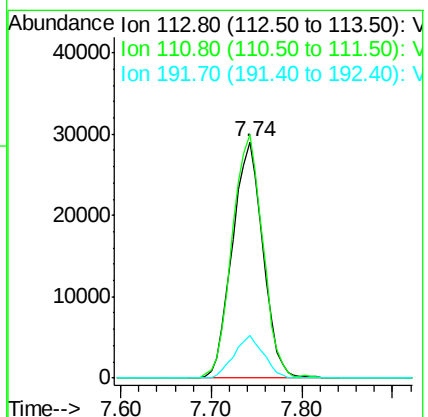
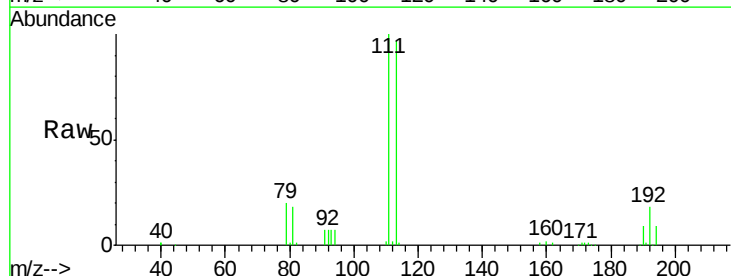
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 239-SB-04-5-6

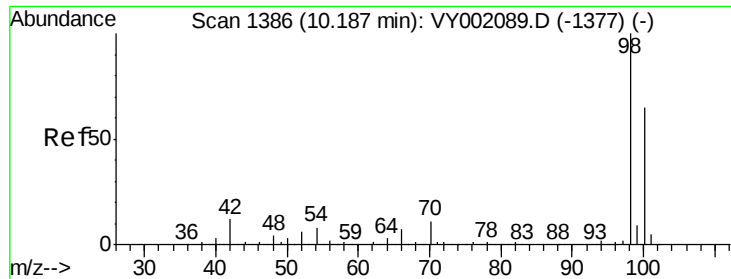
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.9  | 0.0   | 41.4  |
| 88      | 15.3  | 0.0   | 33.0  |



#35  
 Dibromofluoromethane  
 Concen: 52.351 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. 0.01 min  
 Lab File: VY002163.D  
 Acq: 01 Apr 2020 15:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 84.4  | 126.6 |
| 192     | 17.5  | 14.6  | 21.8  |





#50

Toluene-d8

Concen: 52.749 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002163.D

Acq: 01 Apr 2020 15:19

Instrument :

MSVOA\_Y

ClientSampleId :

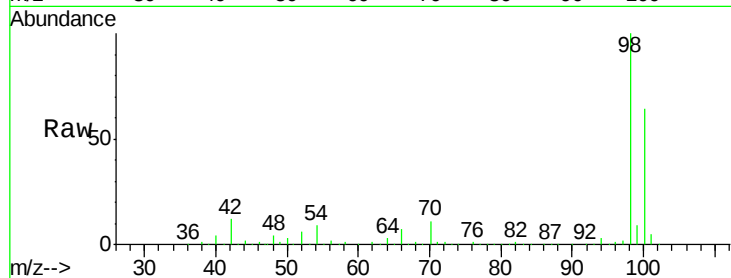
239-SB-04-5-6

Tot Ion: 98 Resp: 284452

Ion Ratio Lower Upper

98 100

100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.19

150000

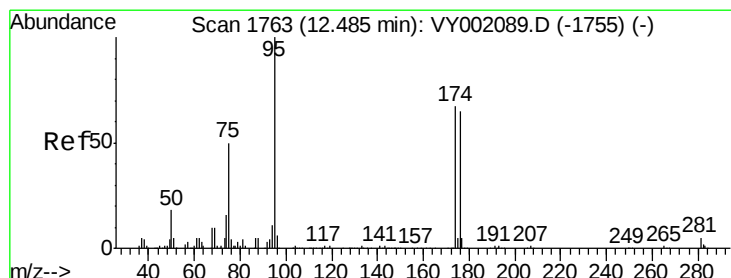
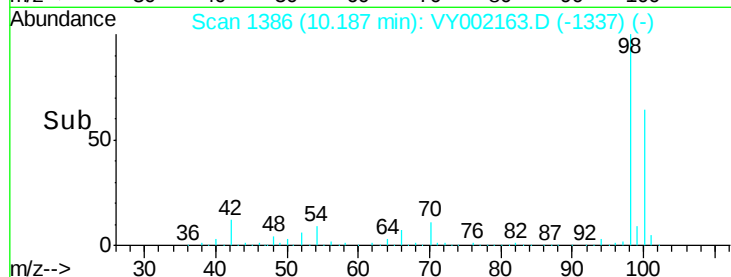
100000

50000

0

Time-->

10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: 50.703 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002163.D

Acq: 01 Apr 2020 15:19

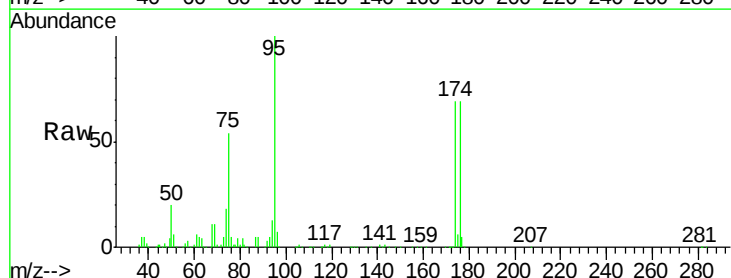
Tgt Ion: 95 Resp: 95623

Ion Ratio Lower Upper

95 100

174 73.1 0.0 143.4

176 71.0 0.0 137.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

12.49

80000

60000

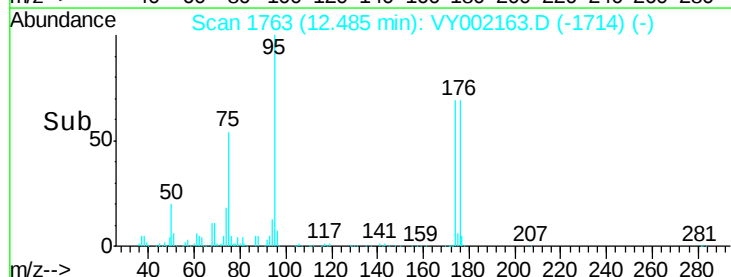
40000

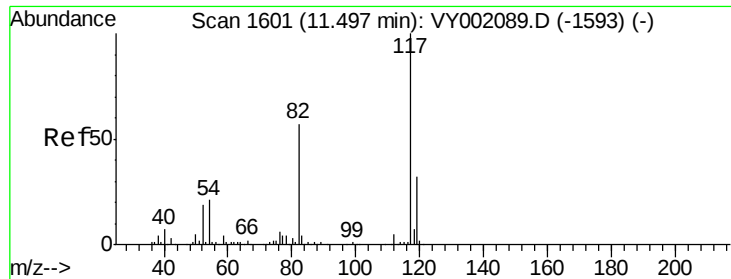
20000

0

Time-->

12.40 12.50

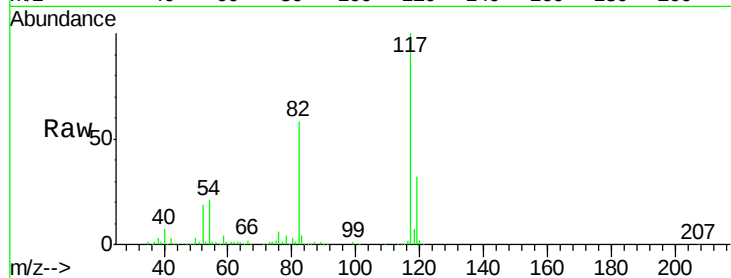




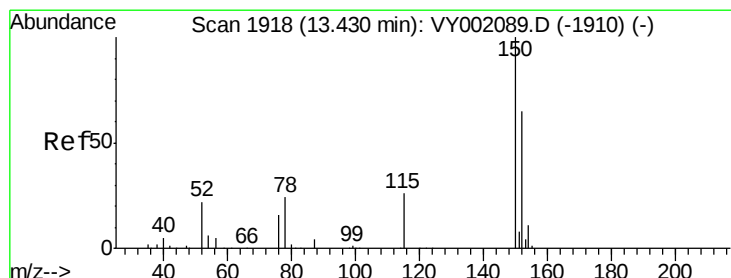
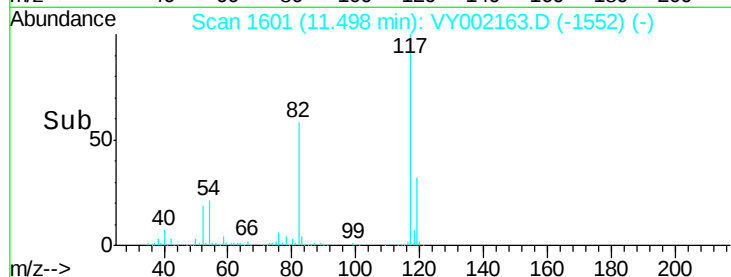
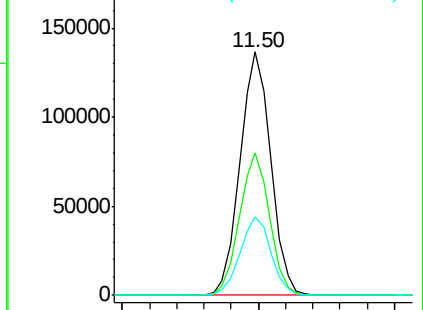
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VY002163.D  
Acq: 01 Apr 2020 15:19

Instrument :  
MSVOA\_Y  
ClientSampleId :  
239-SB-04-5-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.3  | 45.4  | 68.2  |
| 119     | 32.2  | 25.3  | 37.9  |

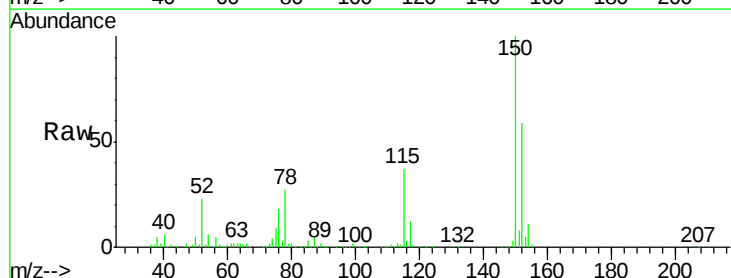


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. 0.00 min  
Lab File: VY002163.D  
Acq: 01 Apr 2020 15:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.1  | 31.2  | 93.6  |
| 150     | 162.3 | 0.0   | 354.8 |



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

