

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071420\  
 Data File : VY003187.D  
 Acq On : 14 Jul 2020 11:36  
 Operator : SY/MD  
 Sample : VY0714SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0714SBL01

Quant Time: Jul 15 04:27:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 10 13:18:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 469810   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 686984   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 619720   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 318145   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 192589   | 48.57 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.14% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 191587   | 48.46 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.92% |      |
| 50) Toluene-d8              | 10.18  | 98  | 697081   | 47.43 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.86% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 243266   | 45.81 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.62% |      |

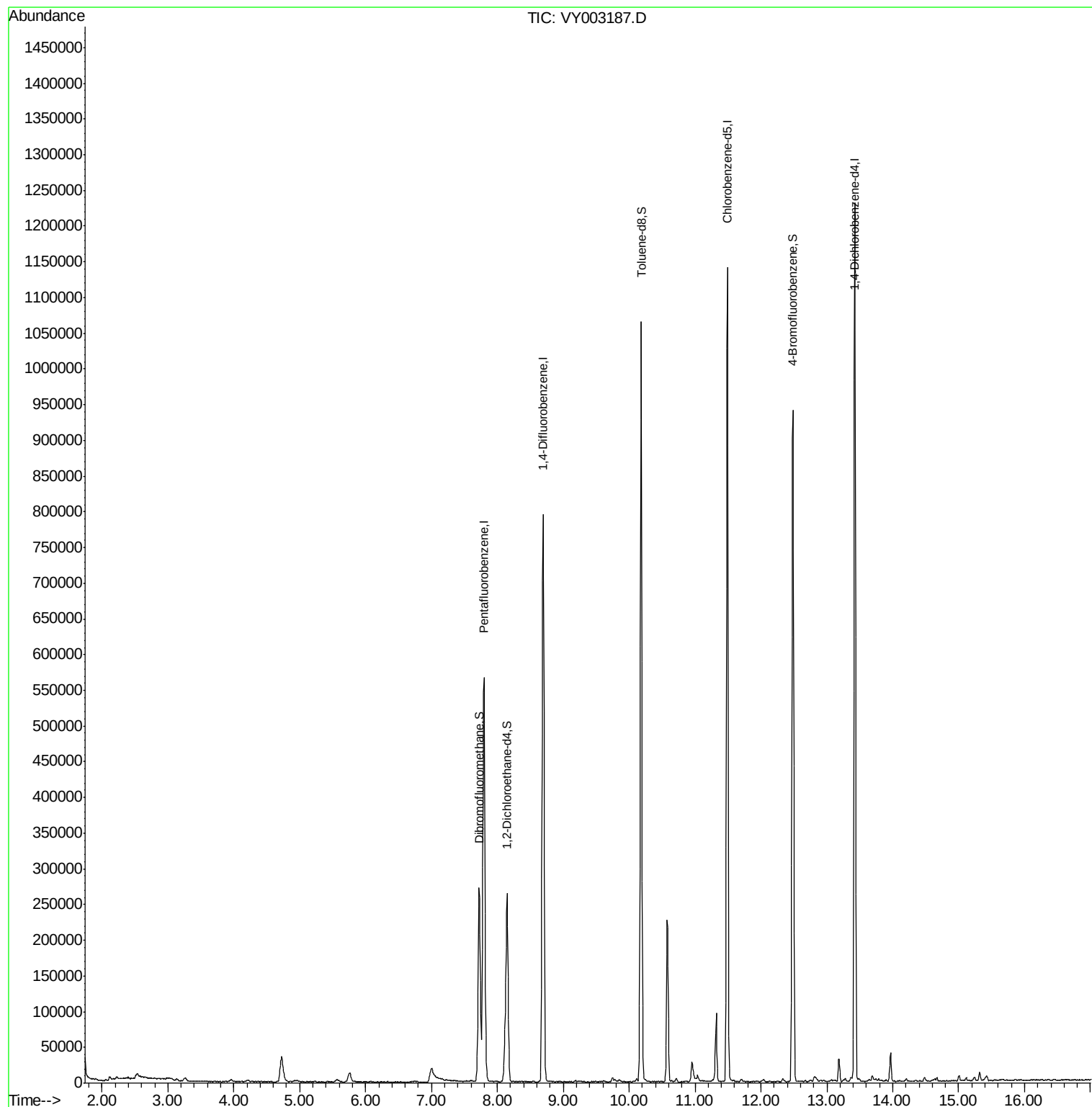
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

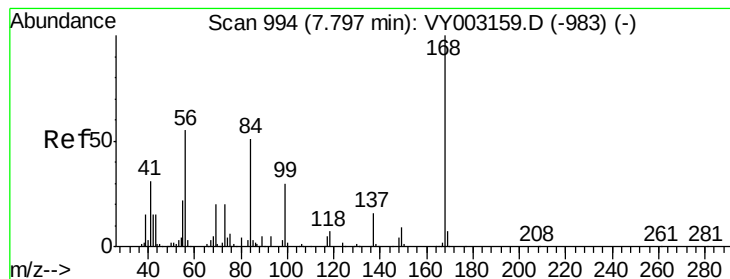
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jul 10 13:18:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003187.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA\_Y

ClientSampleId :

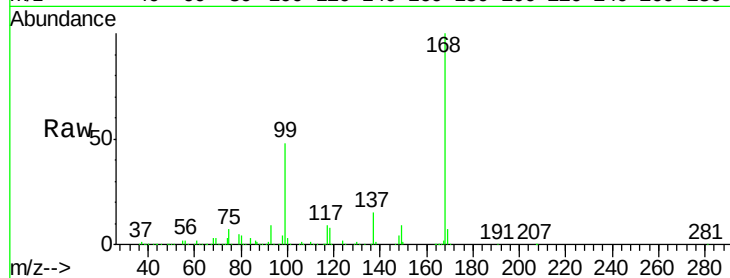
VY0714SBL01

Tot Ion:168 Resp: 469810

Ion Ratio Lower Upper

168 100

99 48.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003187.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003187.D (-945) (-)

7.80

200000

150000

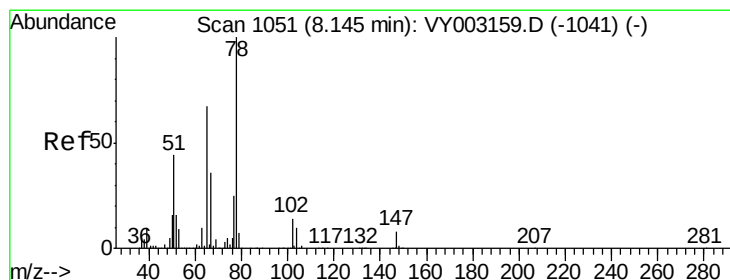
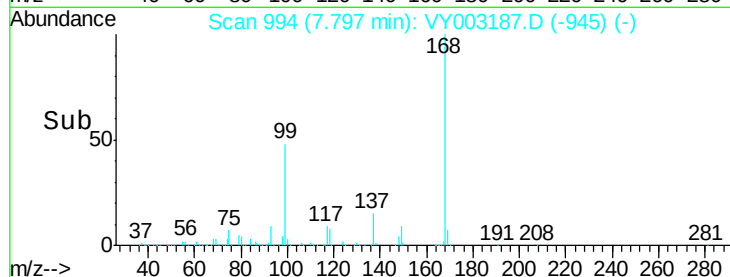
100000

50000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.568 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003187.D

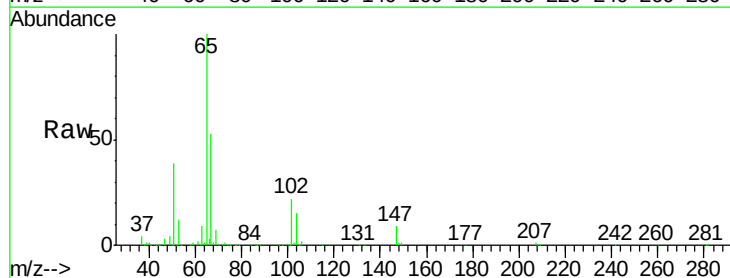
Acq: 14 Jul 2020 11:36

Tgt Ion: 65 Resp: 192589

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY003187.D (-1002) (-)

Ion 66.90 (66.60 to 67.60): VY003187.D (-1002) (-)

8.15

100000

80000

60000

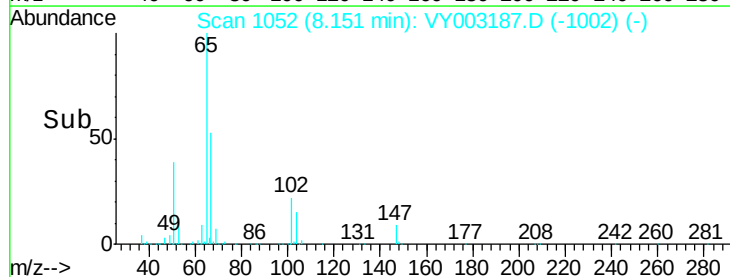
40000

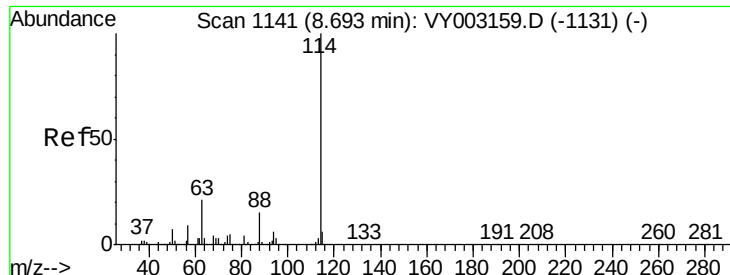
20000

0

8.05 8.10 8.15 8.20 8.25

Time-->

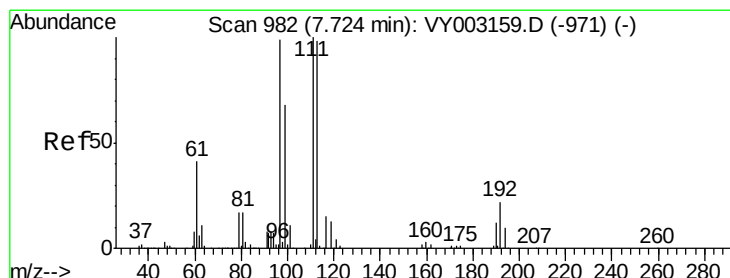
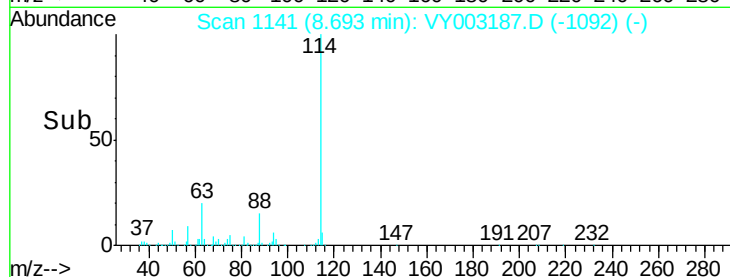
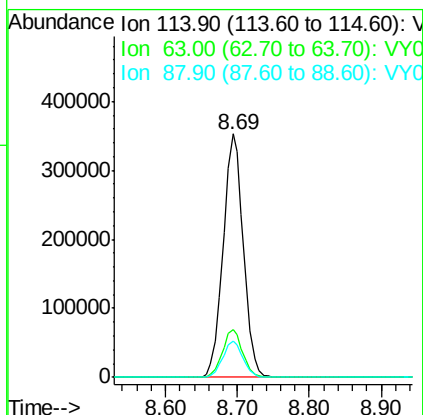
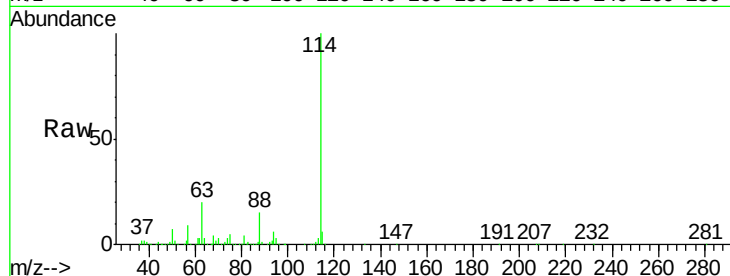




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY003187.D  
 Acq: 14 Jul 2020 11:36

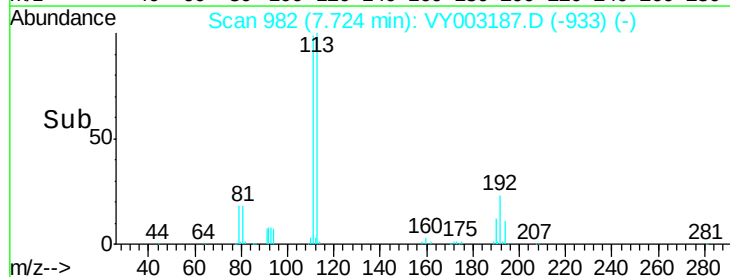
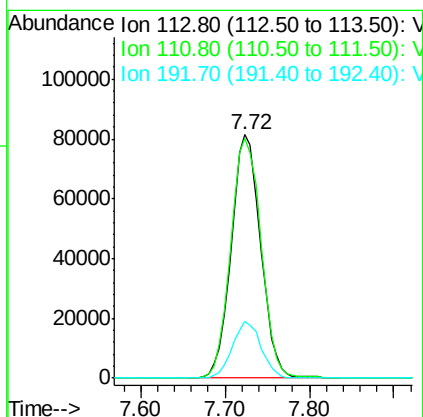
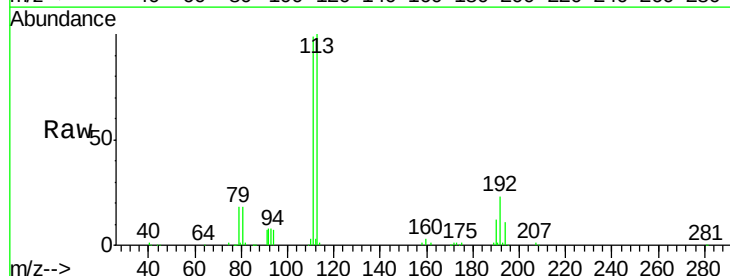
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0714SBL01

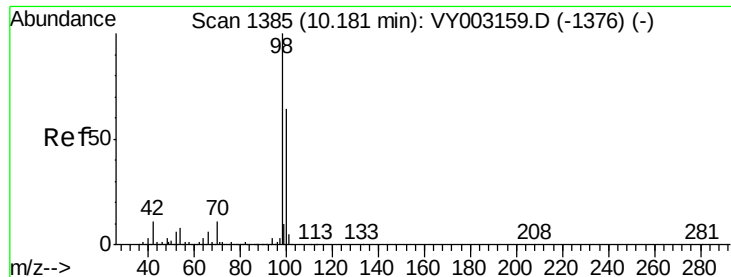
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.7  | 0.0   | 41.2  |
| 88      | 14.9  | 0.0   | 30.2  |



#35  
 Dibromofluoromethane  
 Concen: 48.461 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VY003187.D  
 Acq: 14 Jul 2020 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 82.1  | 123.1 |
| 192     | 22.9  | 18.8  | 28.2  |

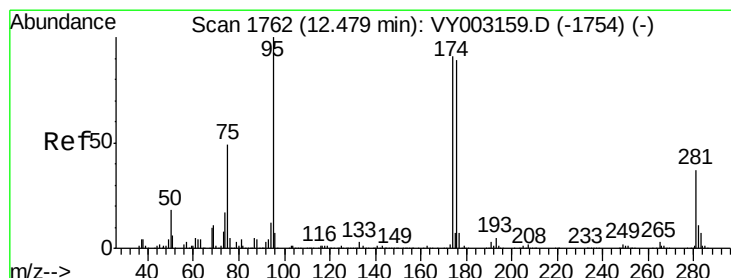
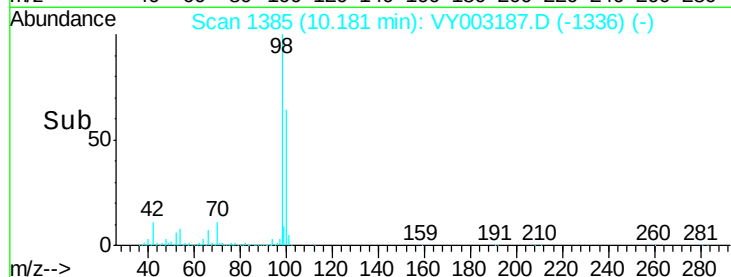
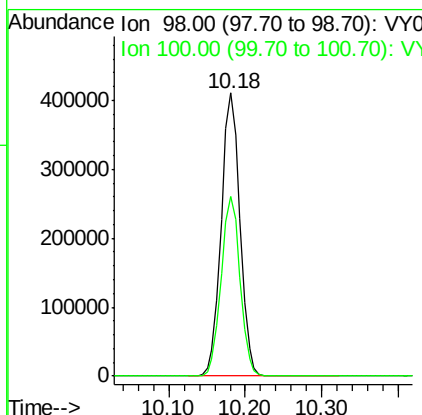
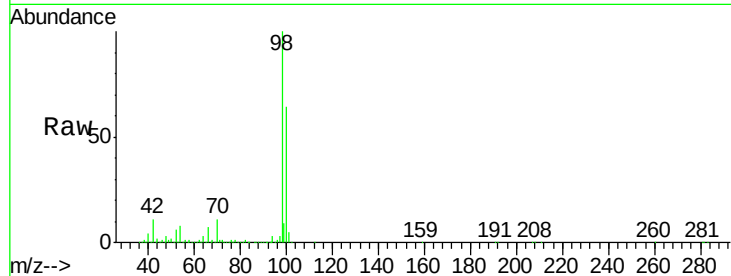




#50  
Toluene-d8  
Concen: 47.426 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY003187.D  
Acq: 14 Jul 2020 11:36

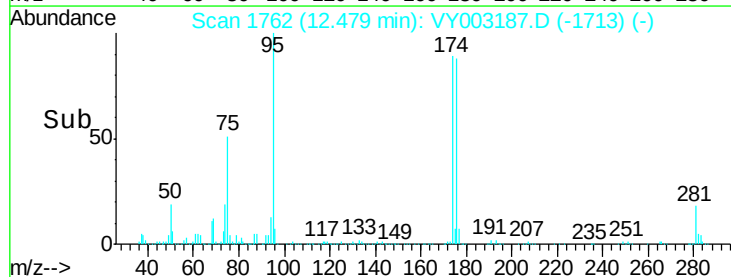
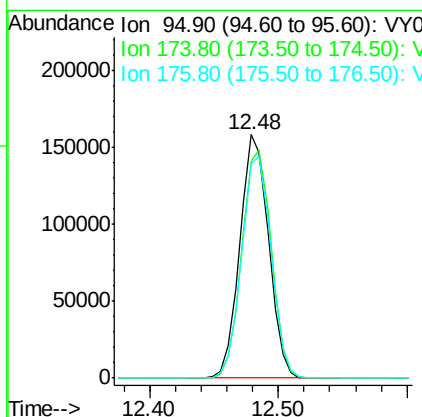
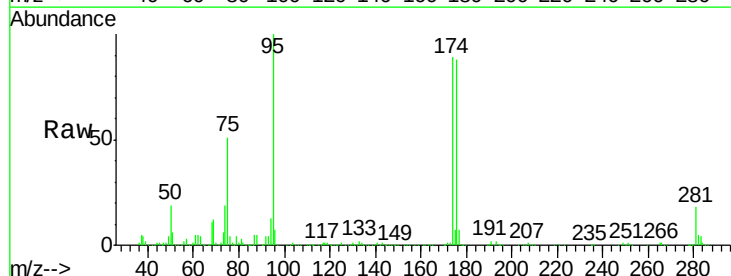
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0714SBL01

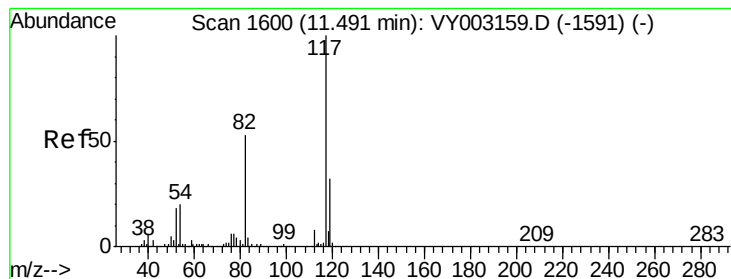
Tot Ion: 98 Resp: 697081  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.7 76.1



#62  
4-Bromofluorobenzene  
Concen: 45.814 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY003187.D  
Acq: 14 Jul 2020 11:36

Tgt Ion: 95 Resp: 243266  
Ion Ratio Lower Upper  
95 100  
174 95.8 0.0 190.6  
176 93.4 0.0 186.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003187.D

Acq: 14 Jul 2020 11:36

Instrument :

MSVOA\_Y

ClientSampleId :

VY0714SBL01

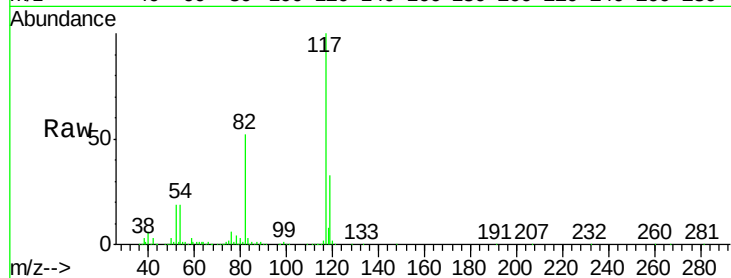
Tot Ion:117 Resp: 619720

Ion Ratio Lower Upper

117 100

82 52.4 42.0 63.0

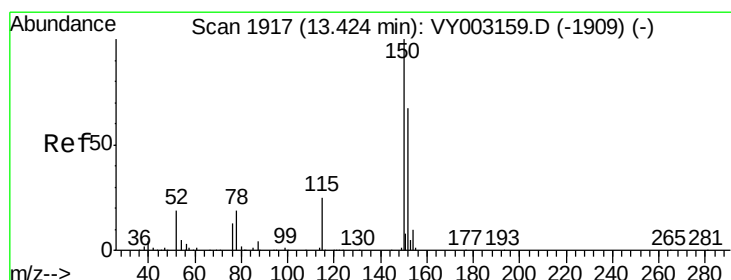
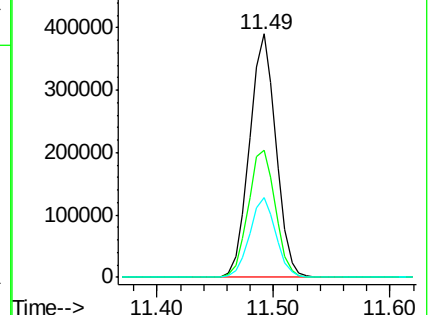
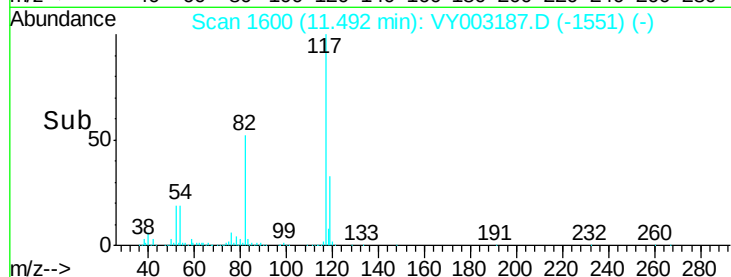
119 32.7 25.5 38.3



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: VY003187.D

Acq: 14 Jul 2020 11:36

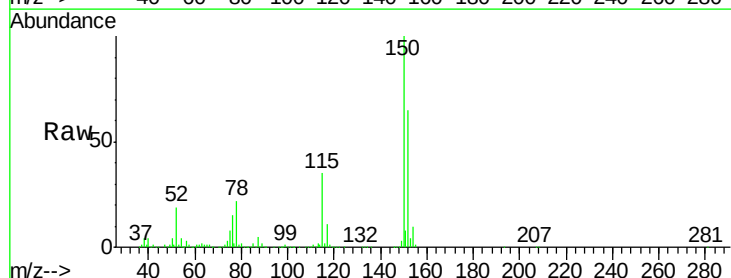
Tgt Ion:152 Resp: 318145

Ion Ratio Lower Upper

152 100

115 54.1 26.9 80.7

150 156.4 0.0 338.0



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

