

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052020\  
 Data File : VY002725.D  
 Acq On : 20 May 2020 12:45  
 Operator : SY/MD  
 Sample : L2722-02  
 Misc : 5.82G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 COMP-2

Quant Time: May 21 04:08:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat May 16 04:52:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 341869   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 539504   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 487438   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 246284   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.15   | 65  | 152110   | 56.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.76% |      |
| 35) Dibromofluoromethane    | 7.73   | 113 | 159676   | 53.63 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.26% |      |
| 50) Toluene-d8              | 10.18  | 98  | 627928   | 52.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.76% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 210400   | 51.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.14% |      |

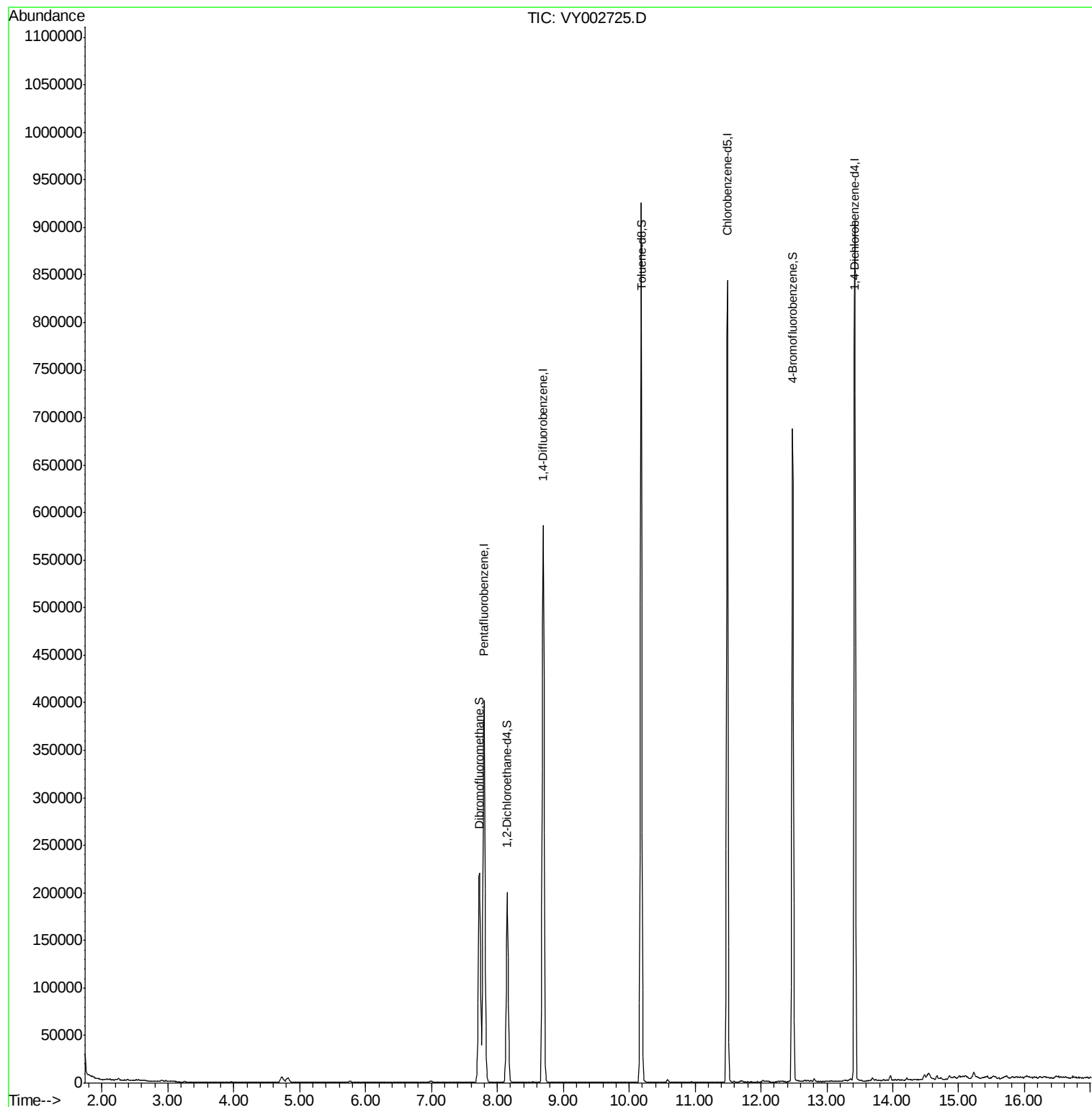
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

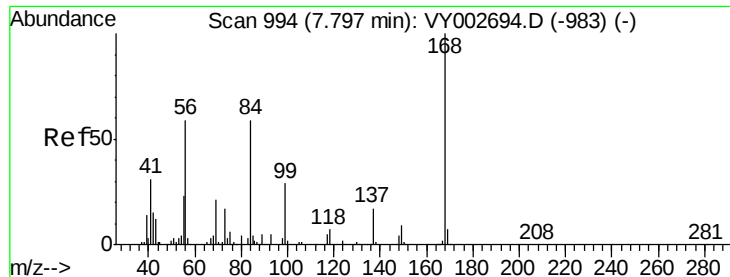
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY052020\  
Data File : VY002725.D  
Acq On : 20 May 2020 12:45  
Operator : SY/MD  
Sample : L2722-02  
Misc : 5.82G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

Quant Time: May 21 04:08:24 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y051520S.M  
Quant Title : SW846 8260  
QLast Update : Sat May 16 04:52:36 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: VY002725.D

Acq: 20 May 2020 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

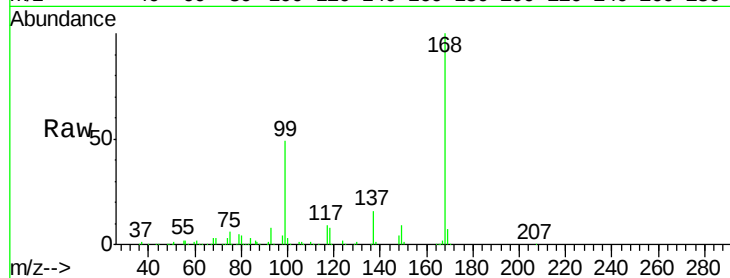
COMP-2

Tot Ion:168 Resp: 341869

Ion Ratio Lower Upper

168 100

99 48.7 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002725.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002725.D (-945) (-)

7.80

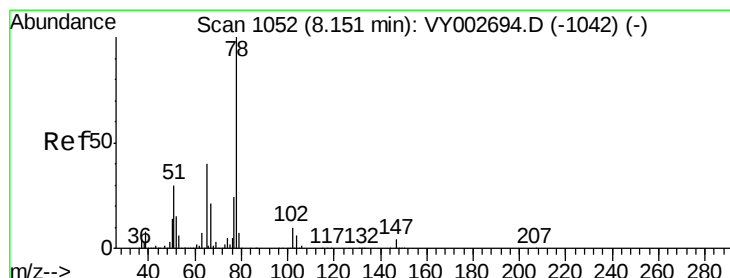
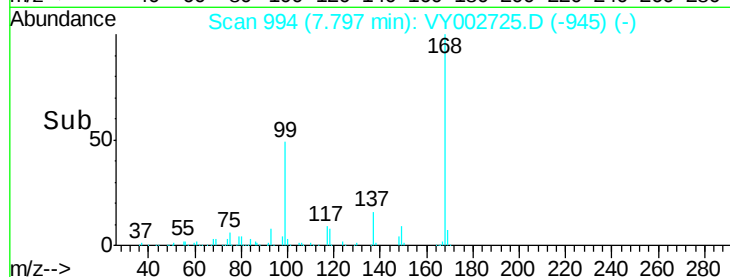
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.882 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY002725.D

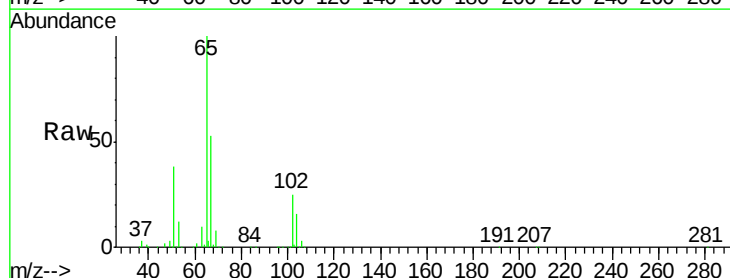
Acq: 20 May 2020 12:45

Tgt Ion: 65 Resp: 152110

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VY002725.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY002725.D (-1003) (-)

8.15

80000

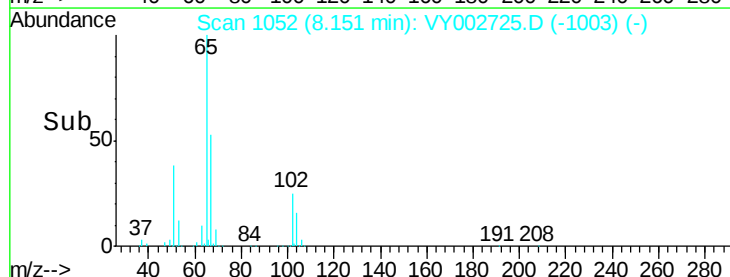
60000

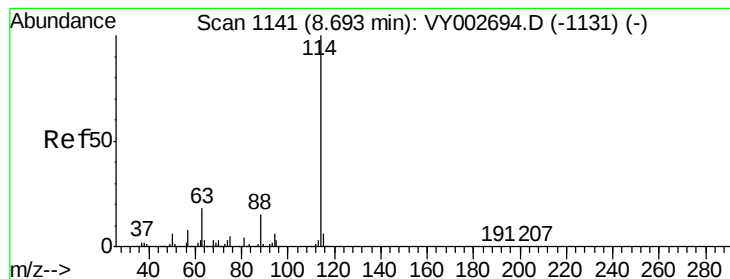
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002725.D

Acq: 20 May 2020 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

COMP-2

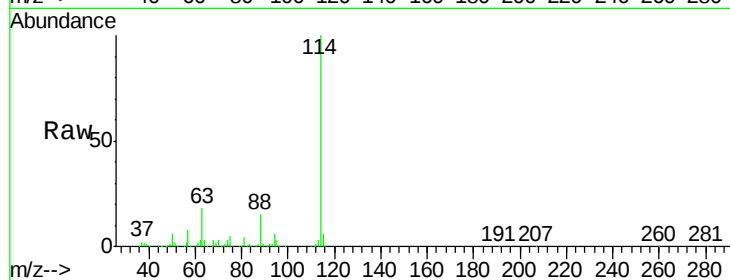
Tot Ion:114 Resp: 539504

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

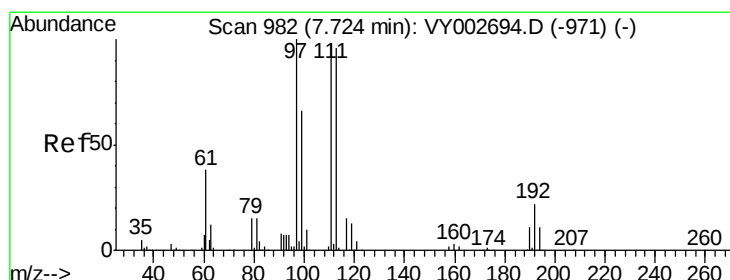
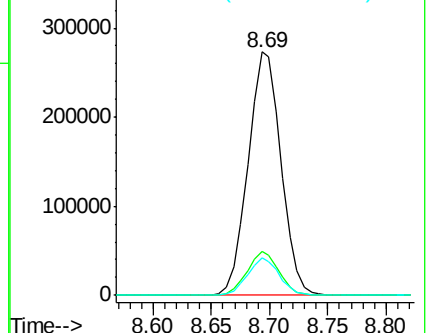
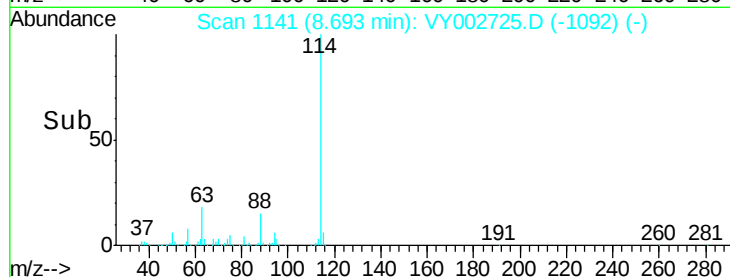
88 15.2 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.629 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002725.D

Acq: 20 May 2020 12:45

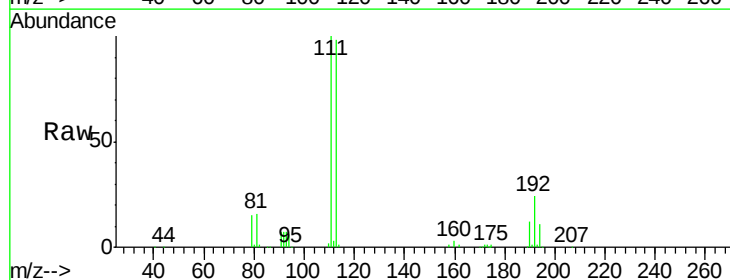
Tgt Ion:113 Resp: 159676

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

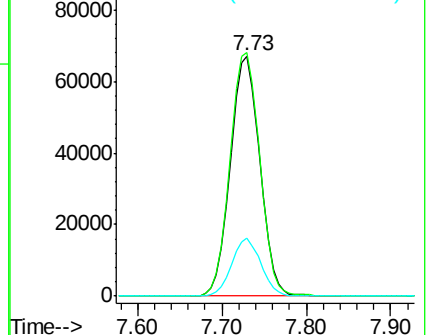
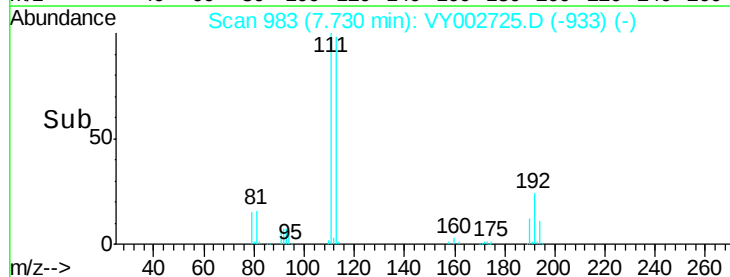
192 23.6 18.6 27.8

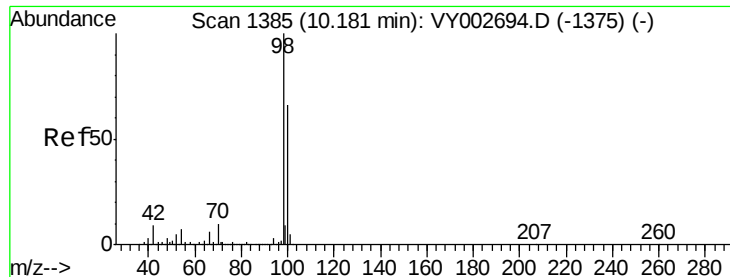


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.383 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002725.D

Acq: 20 May 2020 12:45

Instrument :

MSVOA\_Y

ClientSampleId :

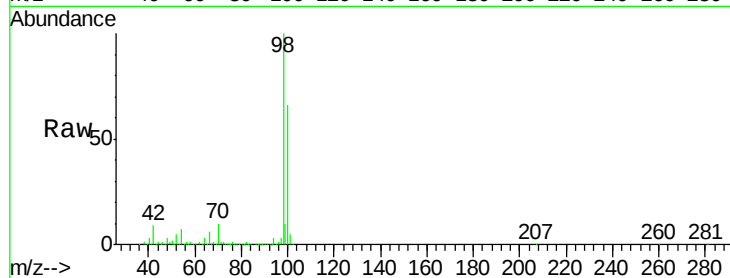
COMP-2

Tot Ion: 98 Resp: 627928

Ion Ratio Lower Upper

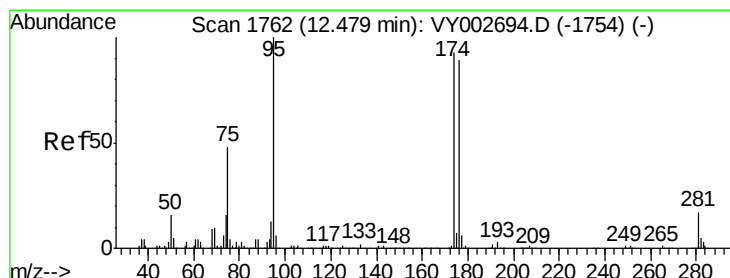
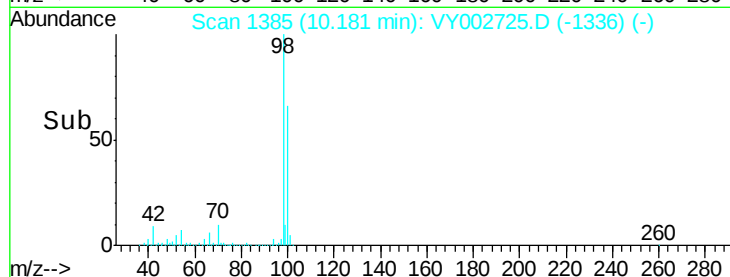
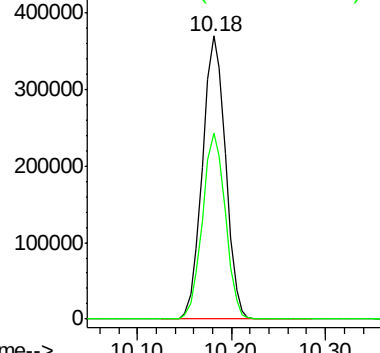
98 100

100 65.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 51.067 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002725.D

Acq: 20 May 2020 12:45

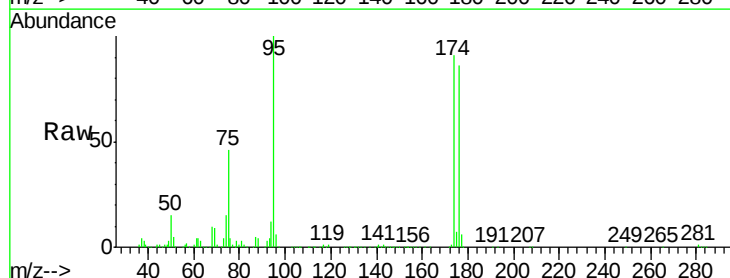
Tgt Ion: 95 Resp: 210400

Ion Ratio Lower Upper

95 100

174 94.2 0.0 191.4

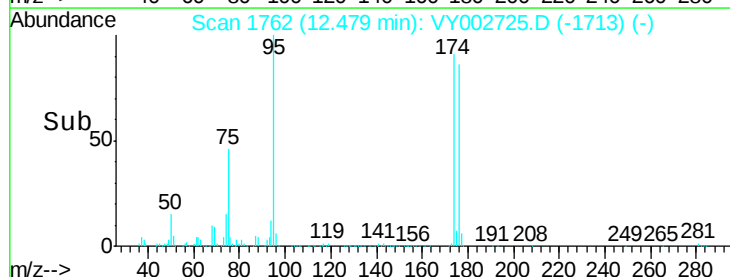
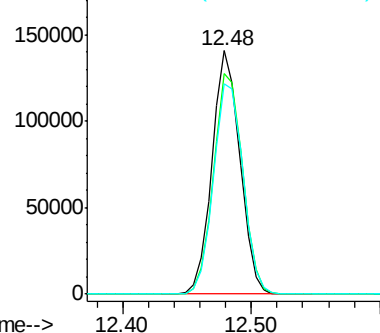
176 91.3 0.0 186.0

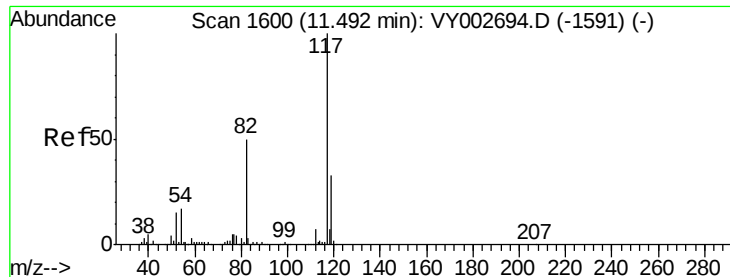


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

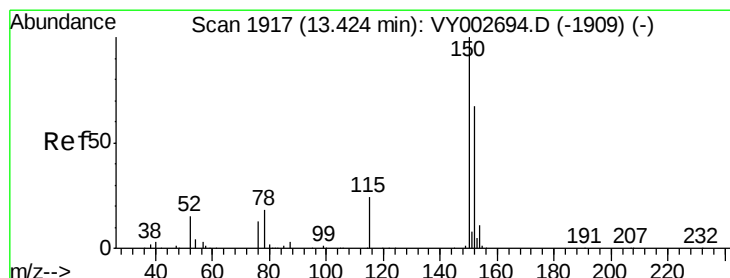
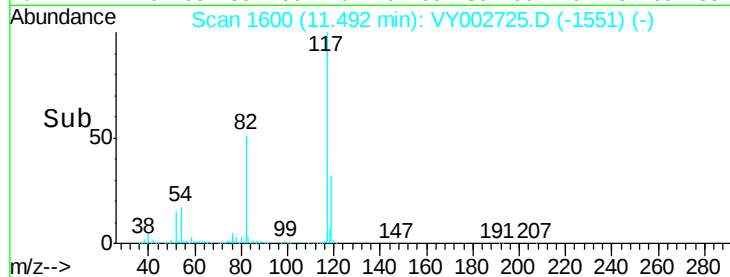
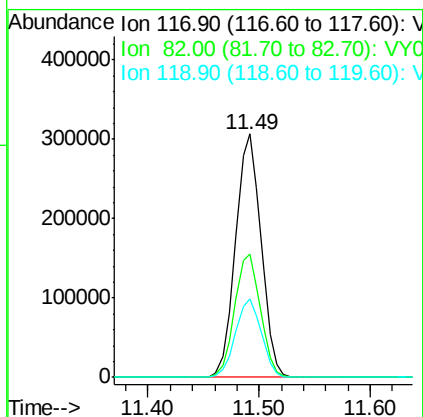
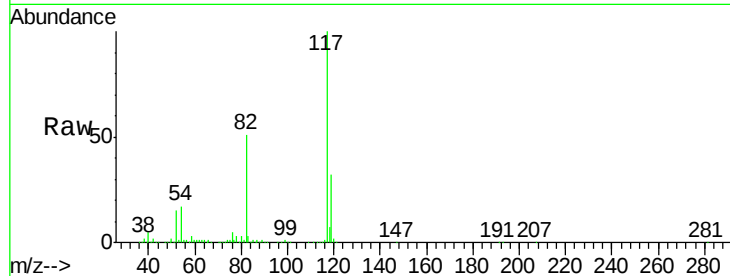




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY002725.D  
Acq: 20 May 2020 12:45

Instrument :  
MSVOA\_Y  
ClientSampleId :  
COMP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.9  | 40.3  | 60.5  |
| 119     | 32.4  | 26.2  | 39.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002725.D  
Acq: 20 May 2020 12:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.3  | 27.2  | 81.6  |
| 150     | 156.9 | 0.0   | 343.8 |

