

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\  
 Data File : VY002776.D  
 Acq On : 27 May 2020 20:04  
 Operator : SY/MD  
 Sample : L2771-16  
 Misc : 6.32G/5ML/MSVOA Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAMP-A-INFIELD-2

Quant Time: May 28 09:27:58 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y052720S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 27 13:13:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 272059   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 435842   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 401082   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 193439   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.14   | 65  | 131992   | 55.88 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.76% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 133393   | 52.22 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.44% |      |
| 50) Toluene-d8              | 10.18  | 98  | 508940   | 49.28 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.56%  |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 166506   | 47.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.36%  |      |

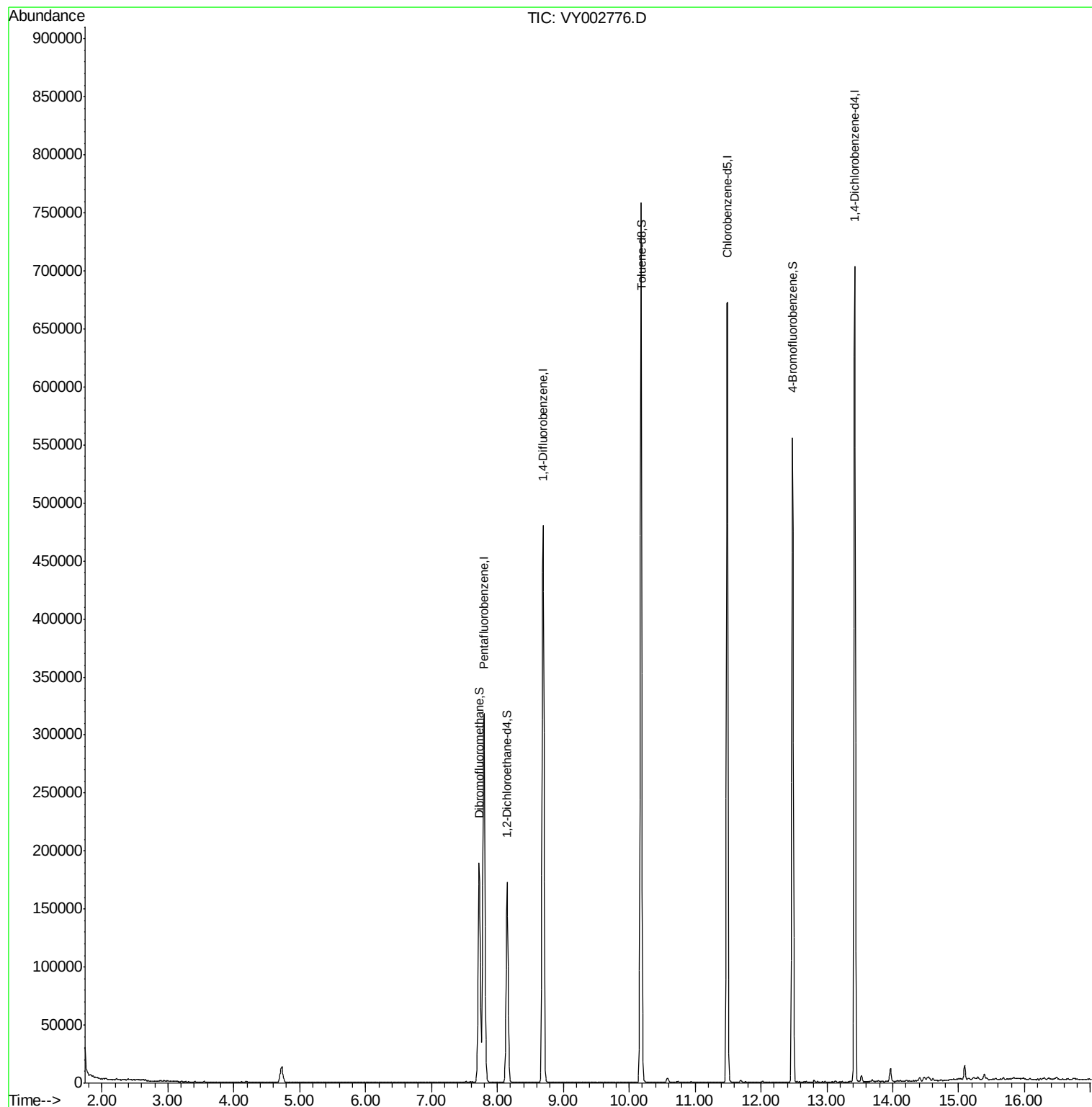
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

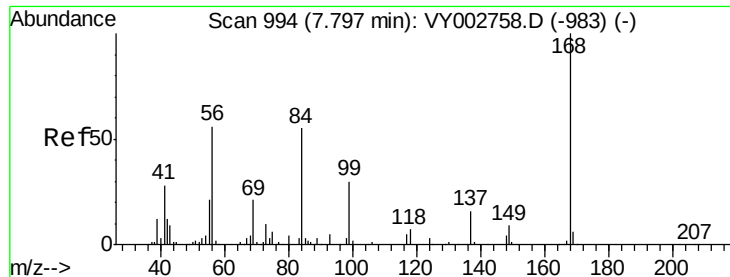
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed May 27 13:13:33 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: VY002776.D

Acq: 27 May 2020 20:04

Instrument :

MSVOA\_Y

ClientSampleId :

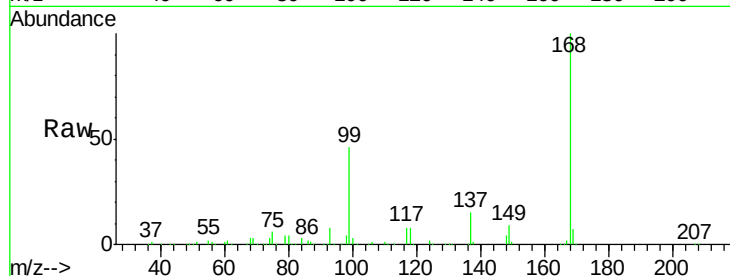
RAMP-A-INFIELD-2

Tot Ion:168 Resp: 272059

Ion Ratio Lower Upper

168 100

99 46.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002776.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002776.D (-945) (-)

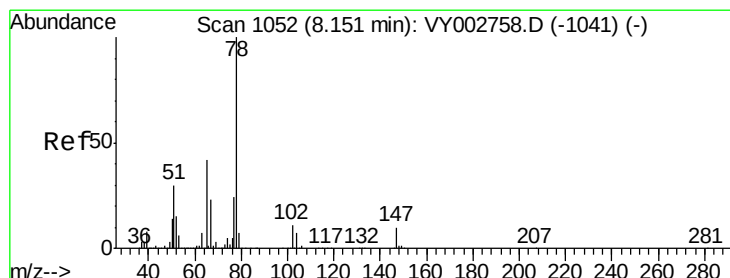
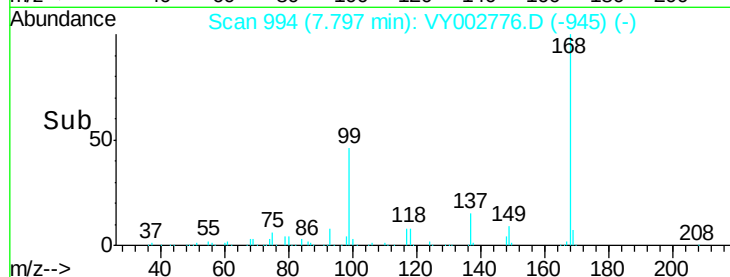
7.80

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.876 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002776.D

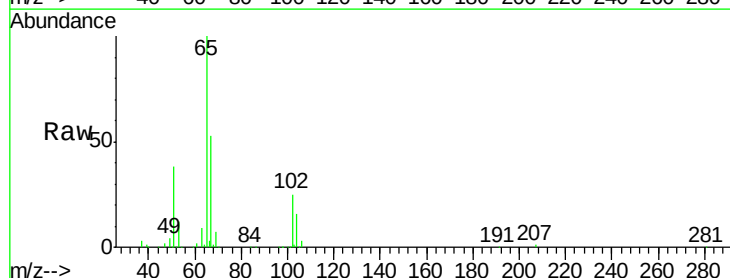
Acq: 27 May 2020 20:04

Tgt Ion: 65 Resp: 131992

Ion Ratio Lower Upper

65 100

67 54.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY002776.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY002776.D (-1003) (-)

8.14

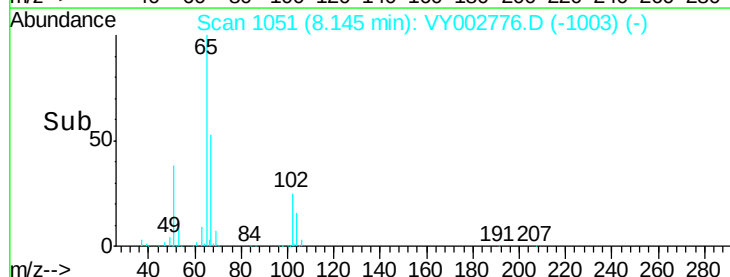
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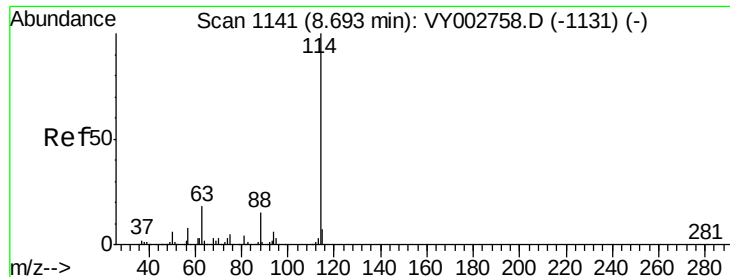
40000

20000

0

Time-->

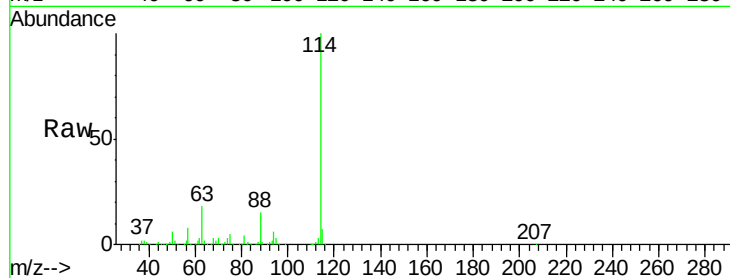




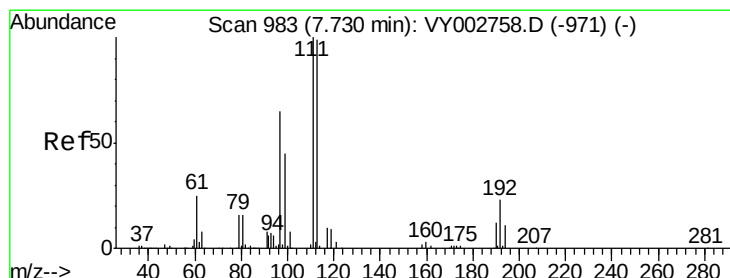
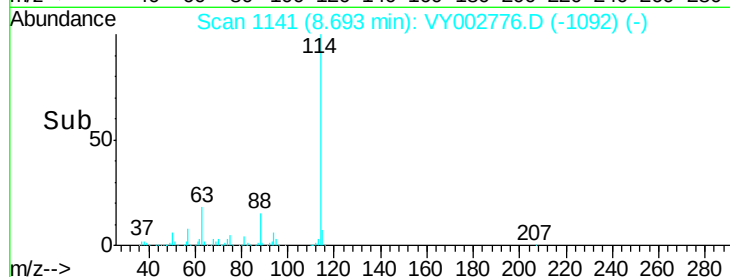
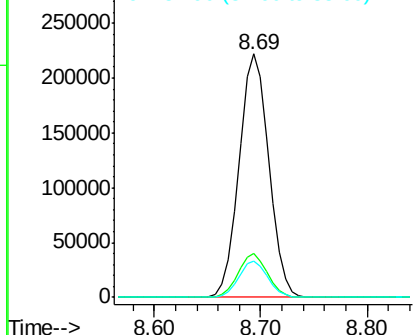
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002776.D  
 Acq: 27 May 2020 20:04

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RAMP-A-INFIELD-2

Tot Ion:114 Resp: 435842  
 Ion Ratio Lower Upper  
 114 100  
 63 17.8 0.0 35.2  
 88 14.7 0.0 29.2

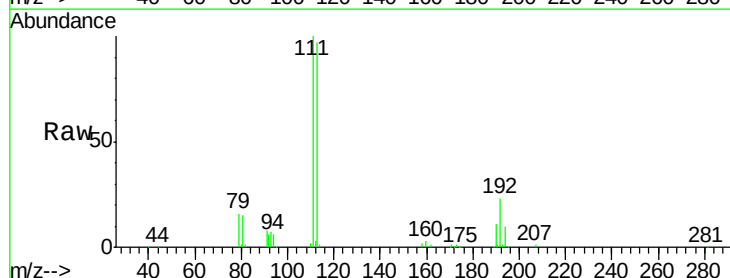


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

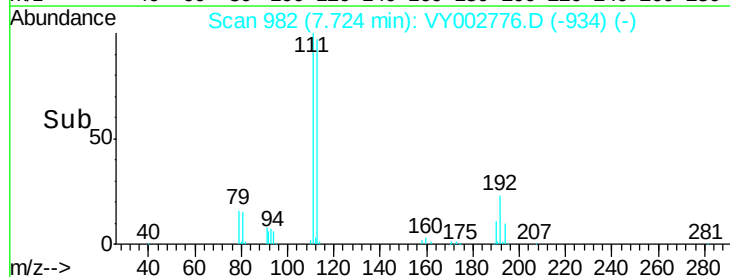
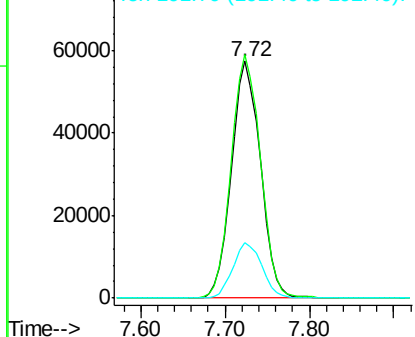


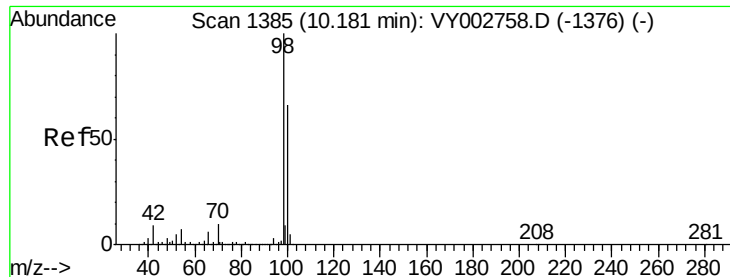
#35  
 Dibromofluoromethane  
 Concen: 52.224 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY002776.D  
 Acq: 27 May 2020 20:04

Tgt Ion:113 Resp: 133393  
 Ion Ratio Lower Upper  
 113 100  
 111 103.9 82.0 123.0  
 192 23.4 18.9 28.3



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: 49.280 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002776.D

Acq: 27 May 2020 20:04

Instrument :

MSVOA\_Y

ClientSampleId :

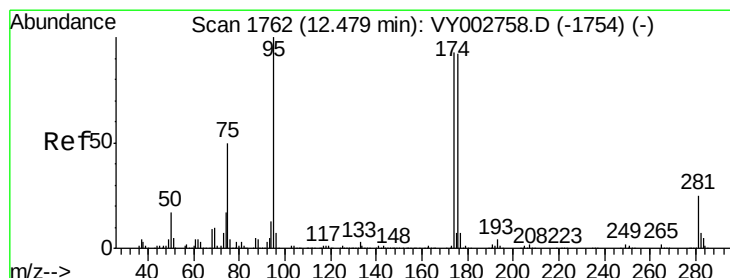
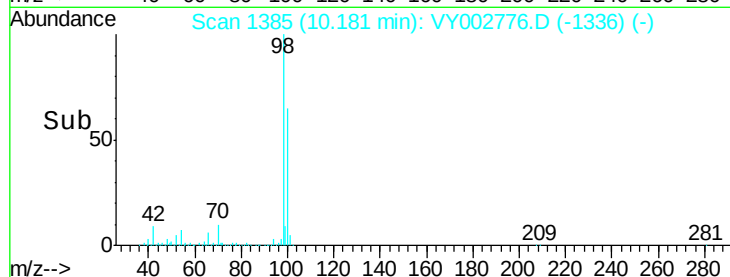
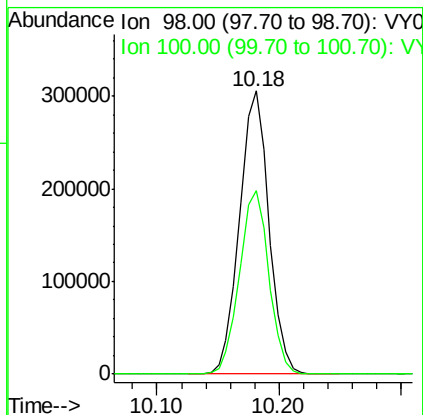
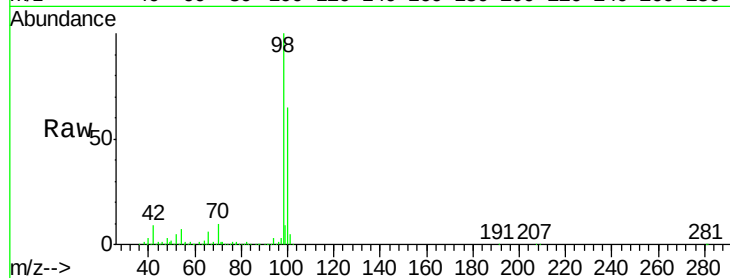
RAMP-A-INFIELD-2

Tot Ion: 98 Resp: 508940

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 47.176 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002776.D

Acq: 27 May 2020 20:04

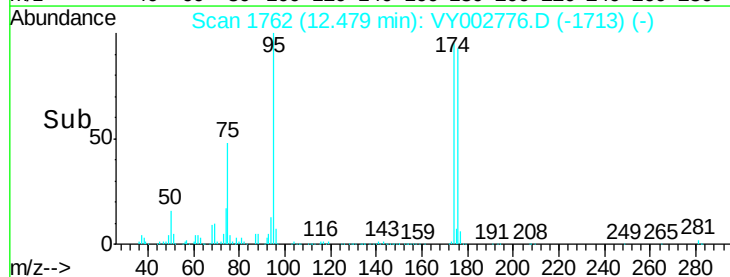
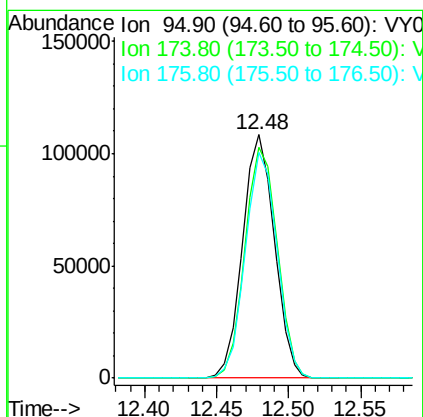
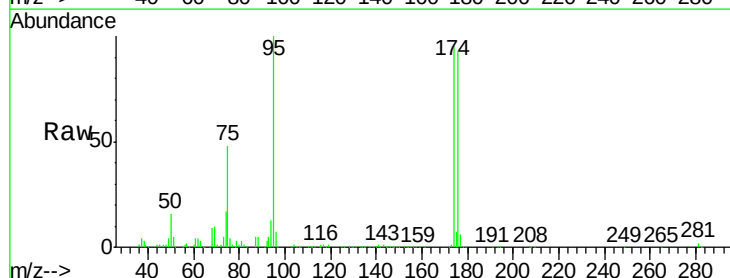
Tgt Ion: 95 Resp: 166506

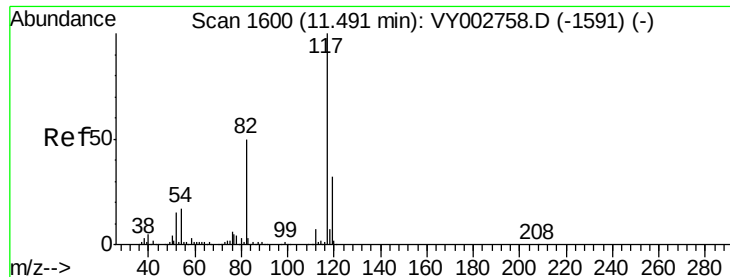
Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.2

176 92.0 0.0 188.8

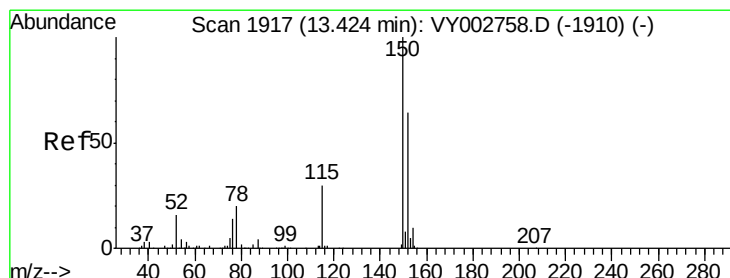
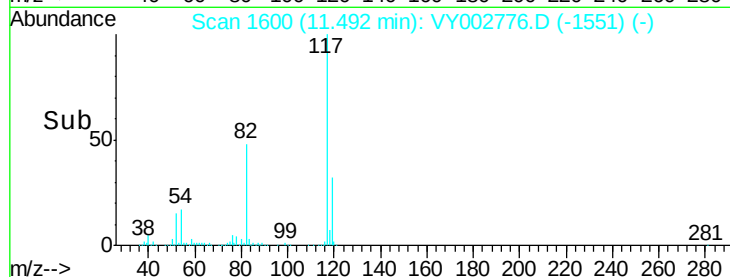
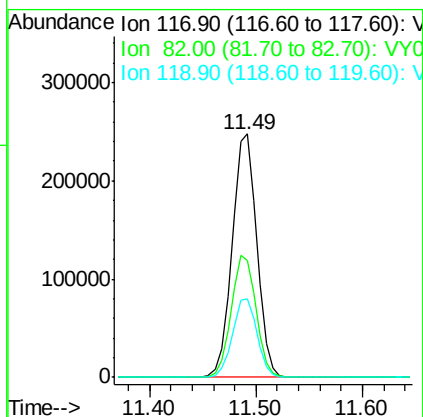
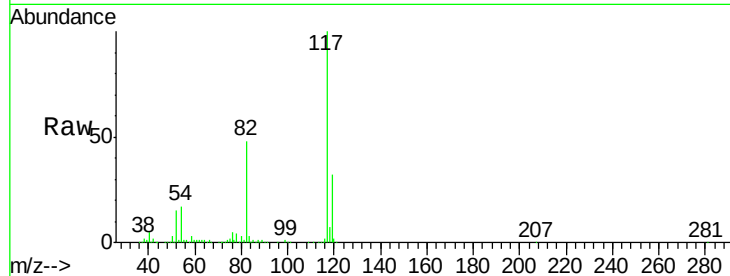




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY002776.D  
Acq: 27 May 2020 20:04

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RAMP-A-INFIELD-2

Tot Ion:117 Resp: 401082  
Ion Ratio Lower Upper  
117 100  
82 48.2 40.2 60.4  
119 32.0 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002776.D  
Acq: 27 May 2020 20:04

Tgt Ion:152 Resp: 193439  
Ion Ratio Lower Upper  
152 100  
115 53.7 27.0 81.0  
150 156.3 0.0 344.8

