

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\  
 Data File : VY003291.D  
 Acq On : 22 Jul 2020 16:21  
 Operator : SY/MD  
 Sample : L3366-03RE  
 Misc : 7.25G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1ARE

Quant Time: Jul 23 06:17:18 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  | 386994   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 615620   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 566120   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 277769   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.14   | 65  | 199508   | 61.08 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 122.16% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 189528   | 53.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 107.00% |      |
| 50) Toluene-d8              | 10.18  | 98  | 745902   | 56.63 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.26% |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 236491   | 49.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.40%  |      |

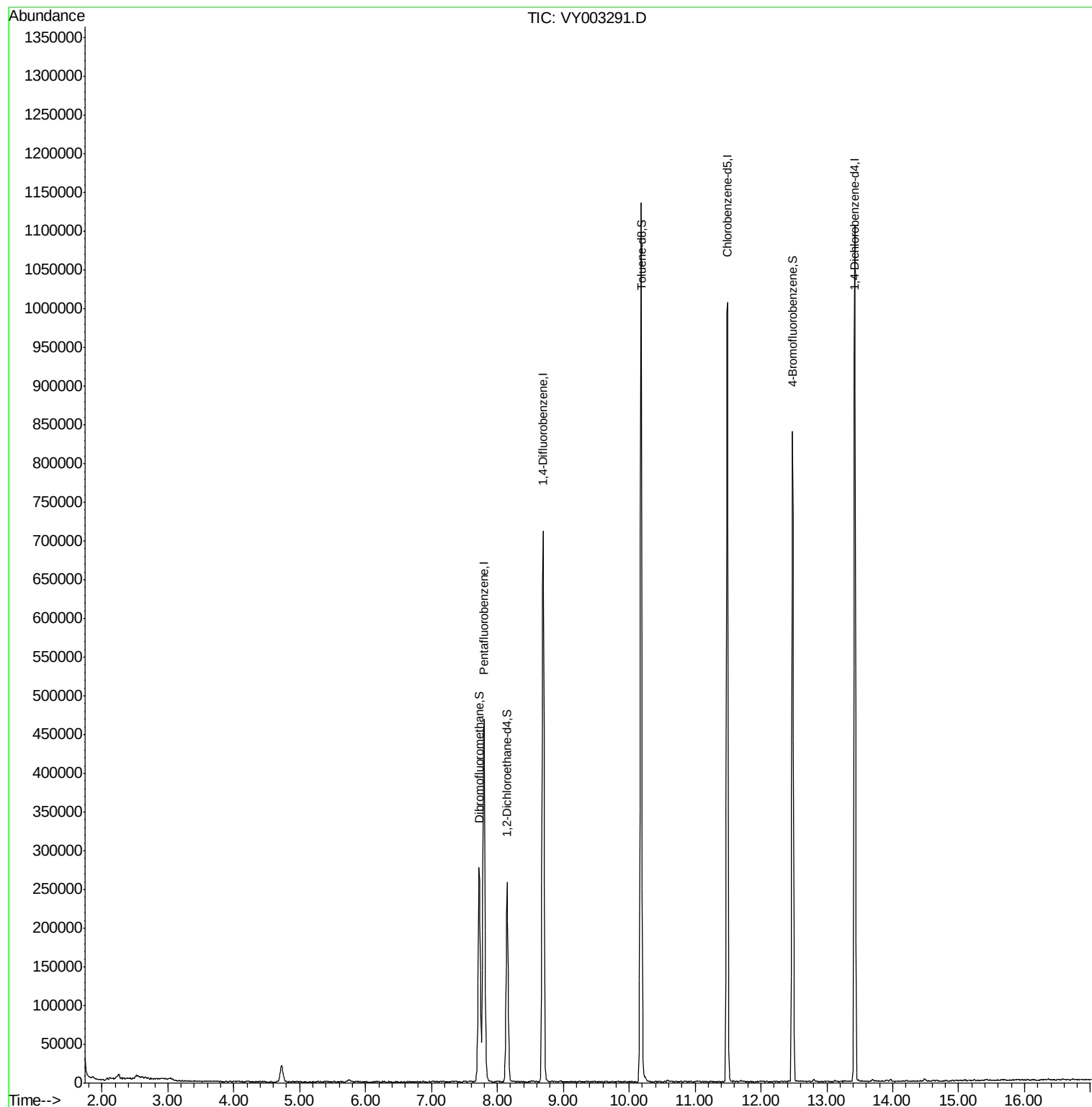
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

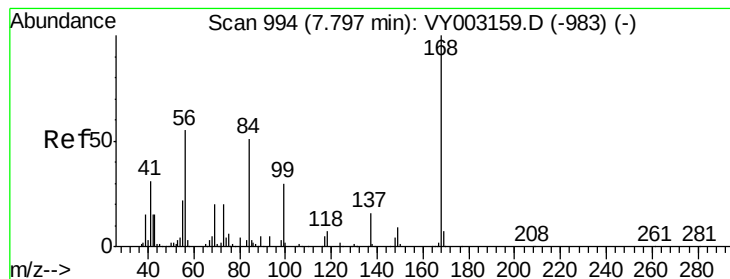
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 06:17:18 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y071020S.M  
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: VY003291.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

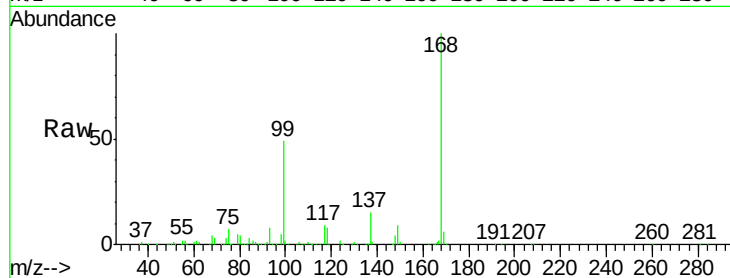
SP-1ARE

Tot Ion:168 Resp: 386994

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003291.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003291.D (-945) (-)

7.80

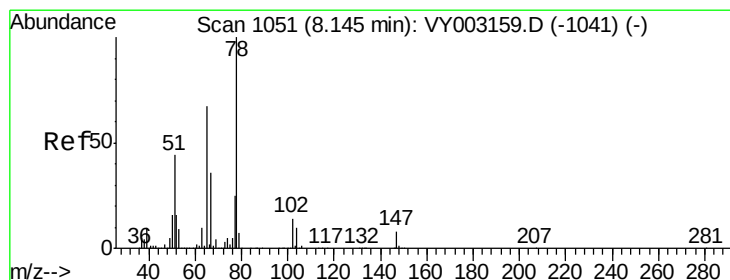
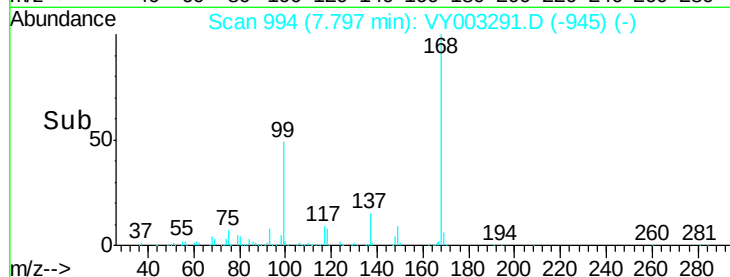
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 61.080 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003291.D

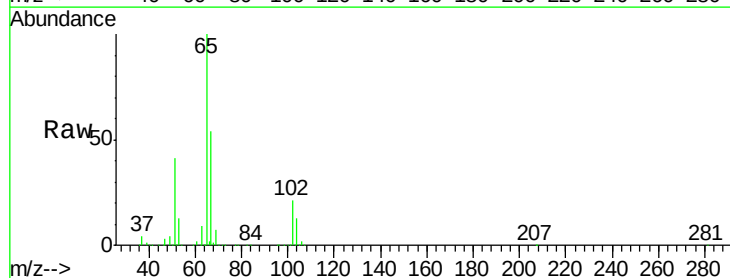
Acq: 22 Jul 2020 16:21

Tgt Ion: 65 Resp: 199508

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY003291.D (-1002) (-)

Ion 66.90 (66.60 to 67.60): VY003291.D (-1002) (-)

8.14

100000

80000

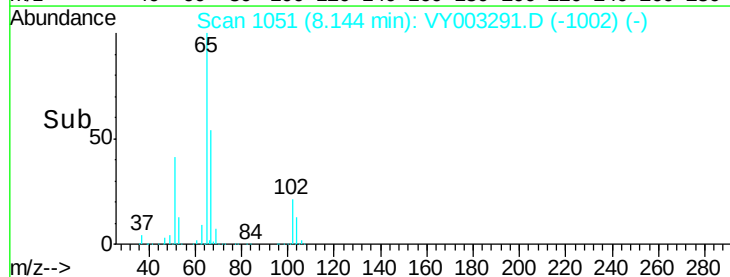
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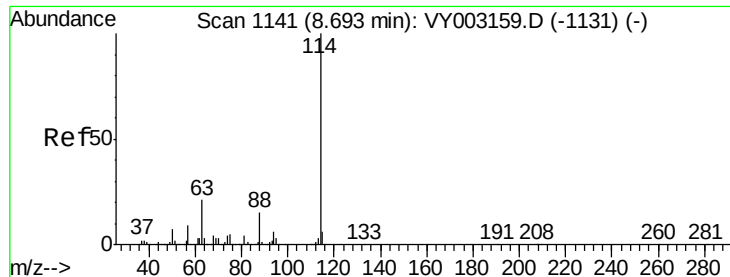
40000

20000

0

Time-->

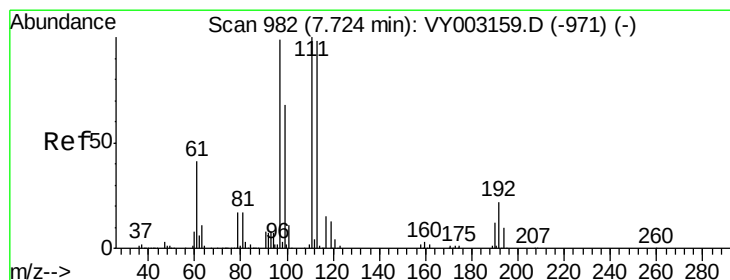
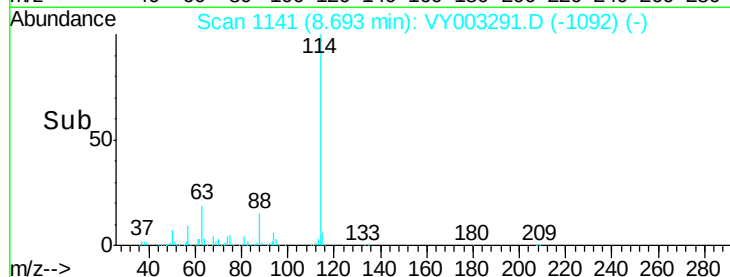
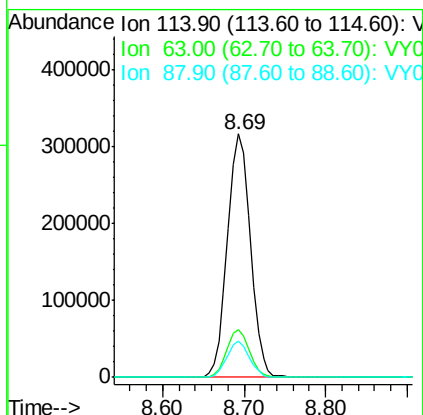
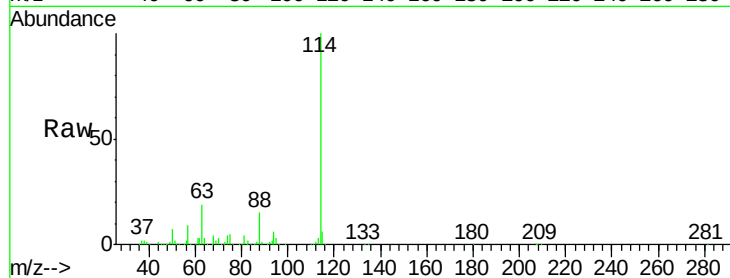




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.00 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

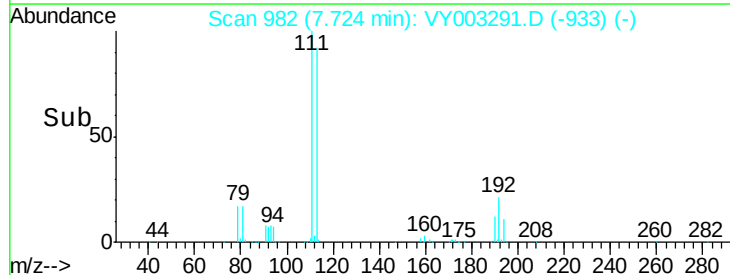
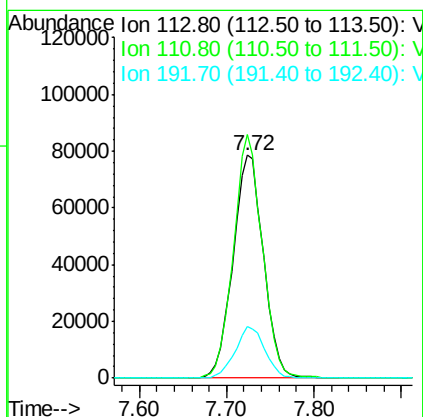
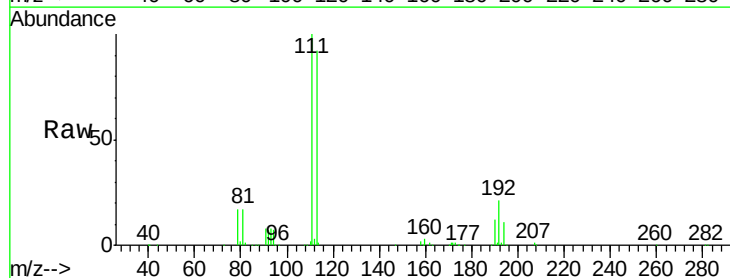
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-1ARE

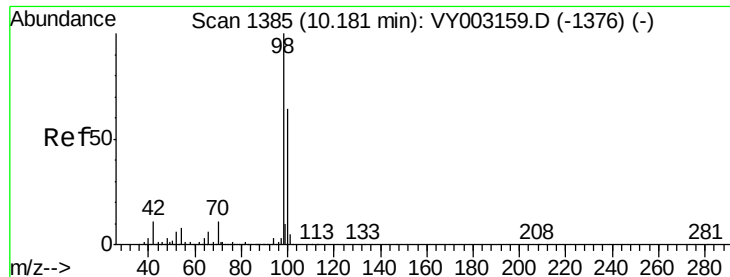
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.4  | 0.0   | 41.2  |
| 88      | 14.8  | 0.0   | 30.2  |



#35  
 Dibromofluoromethane  
 Concen: 53.498 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.00 min  
 Lab File: VY003291.D  
 Acq: 22 Jul 2020 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.1  | 123.1 |
| 192     | 22.6  | 18.8  | 28.2  |





#50

Toluene-d8

Concen: 56.631 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003291.D

Acq: 22 Jul 2020 16:21

Instrument :

MSVOA\_Y

ClientSampleId :

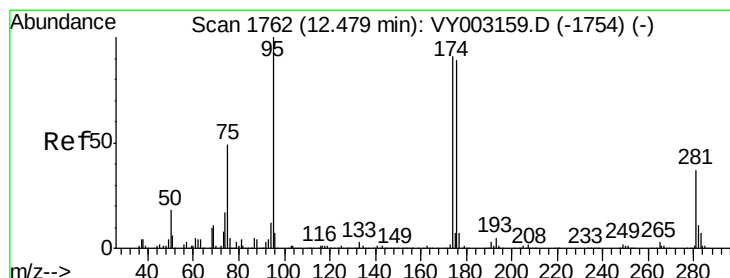
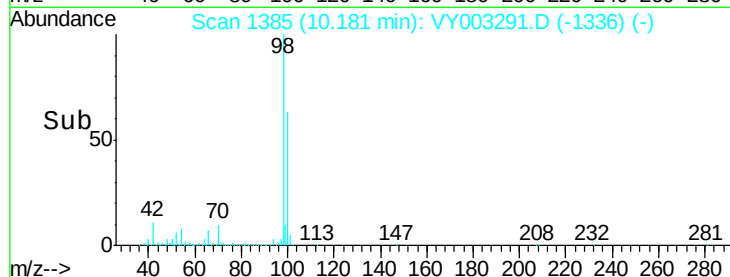
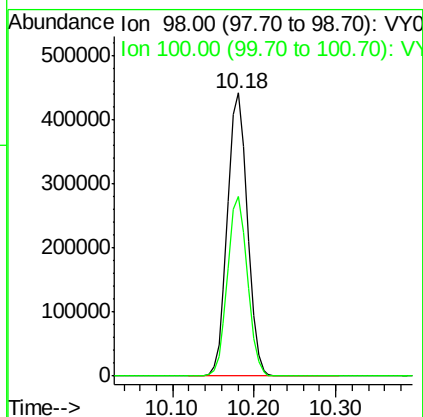
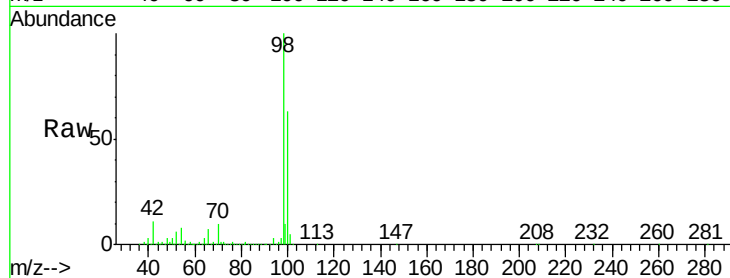
SP-1ARE

Tot Ion: 98 Resp: 745902

Ion Ratio Lower Upper

98 100

100 63.0 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 49.701 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003291.D

Acq: 22 Jul 2020 16:21

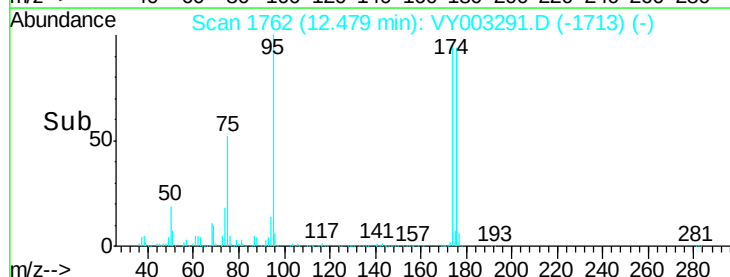
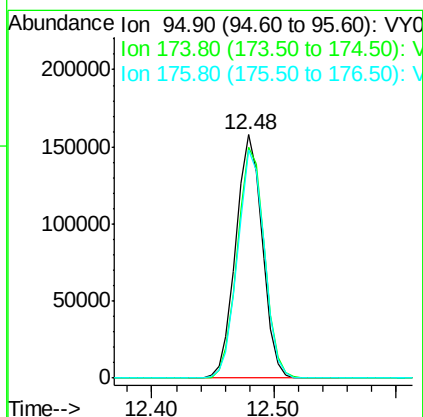
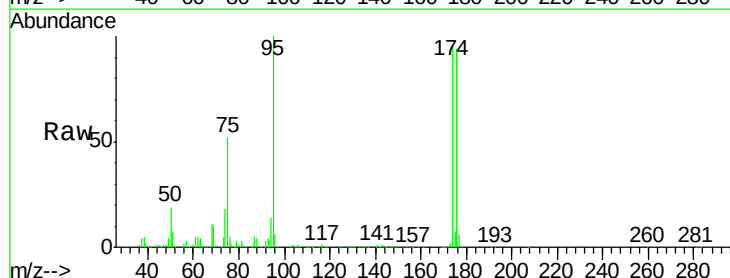
Tgt Ion: 95 Resp: 236491

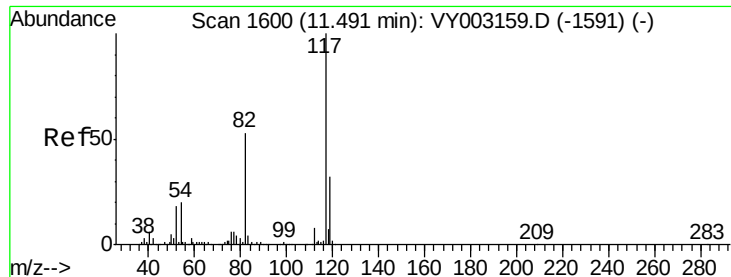
Ion Ratio Lower Upper

95 100

174 96.7 0.0 190.6

176 93.7 0.0 186.4

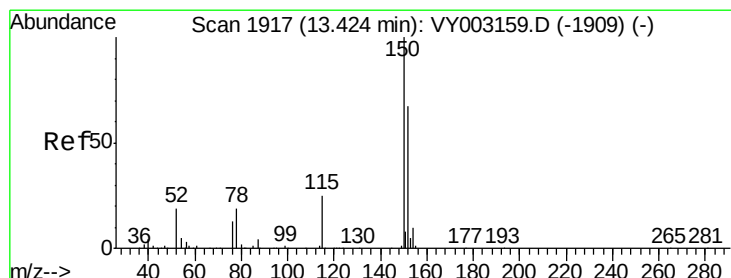
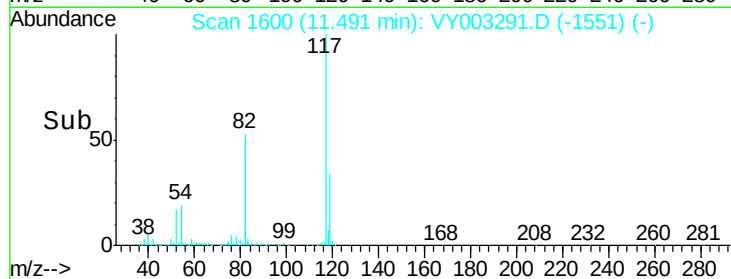
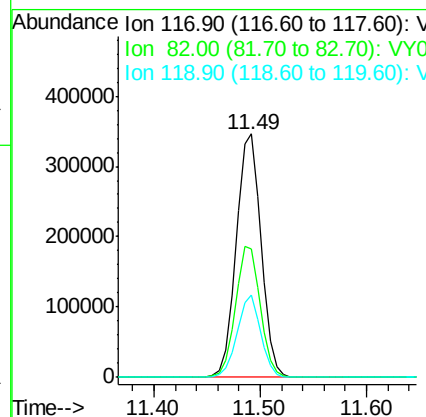
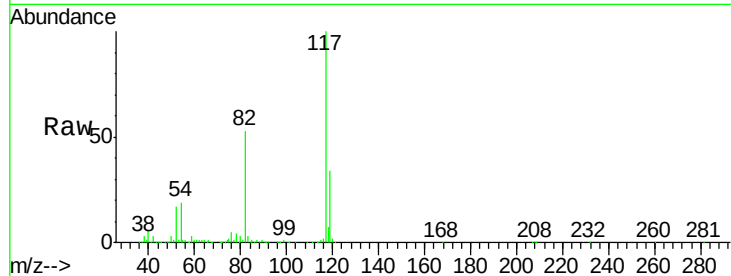




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY003291.D  
Acq: 22 Jul 2020 16:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-1ARE

Tot Ion:117 Resp: 566120  
Ion Ratio Lower Upper  
117 100  
82 53.0 42.0 63.0  
119 33.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY003291.D  
Acq: 22 Jul 2020 16:21

Tgt Ion:152 Resp: 277769  
Ion Ratio Lower Upper  
152 100  
115 54.2 26.9 80.7  
150 157.7 0.0 338.0

