

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052720\  
 Data File : VY002770.D  
 Acq On : 27 May 2020 17:39  
 Operator : SY/MD  
 Sample : L2771-04  
 Misc : 6.97G/5ML/MSVOA Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ISLAND-BETWEEN-G-H-2

Quant Time: May 28 09:14:18 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  | 306678   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 492748   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 460753   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 234409   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.14   | 65  | 151439   | 56.87 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 113.74% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 151590   | 52.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 104.98% |      |
| 50) Toluene-d8              | 10.18  | 98  | 577835   | 49.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.98%  |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 197559   | 49.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.02%  |      |

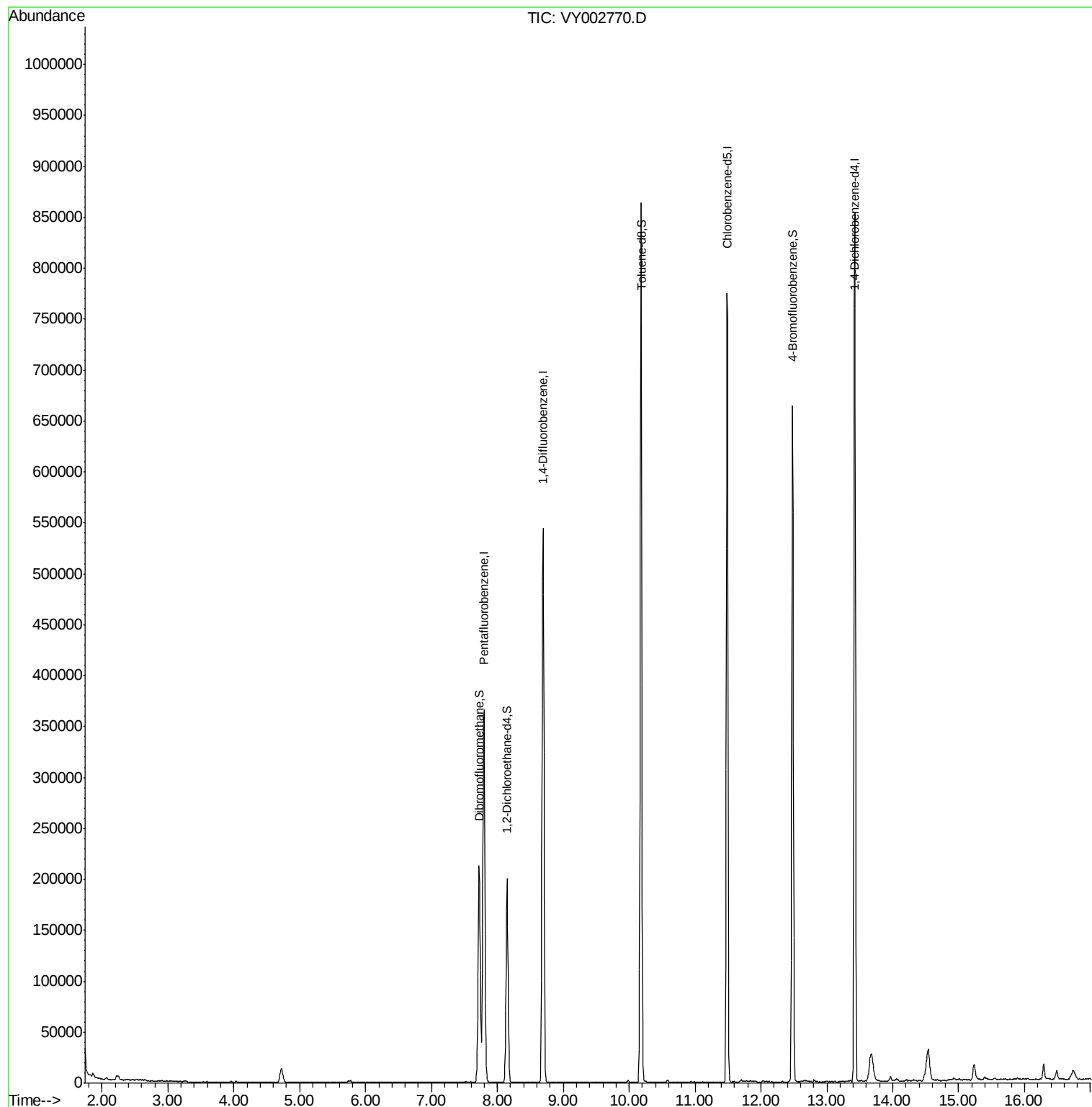
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

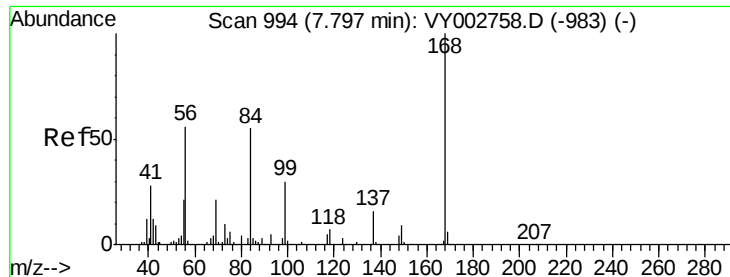
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002770.D

Acq: 27 May 2020 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

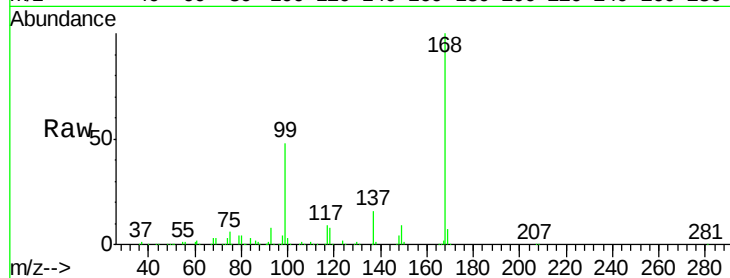
ISLAND-BETWEEN-G-H-2

Tot Ion:168 Resp: 306678

Ion Ratio Lower Upper

168 100

99 48.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002770.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002770.D (-945) (-)

7.80

150000

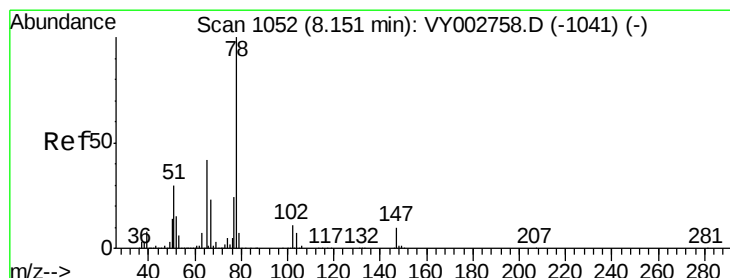
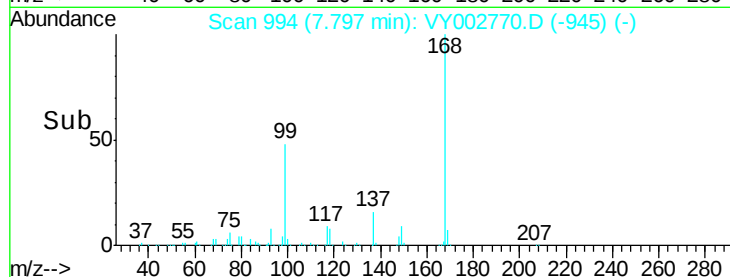
100000

50000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.872 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002770.D

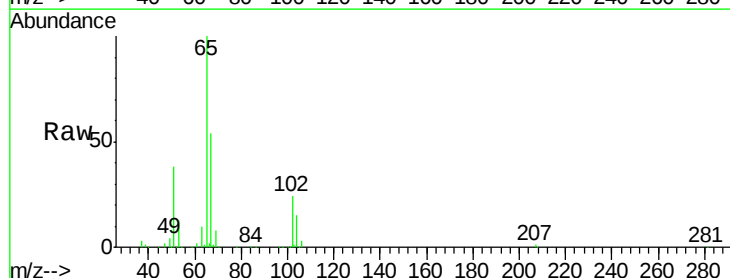
Acq: 27 May 2020 17:39

Tgt Ion: 65 Resp: 151439

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY002770.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY002770.D (-1003) (-)

8.14

80000

60000

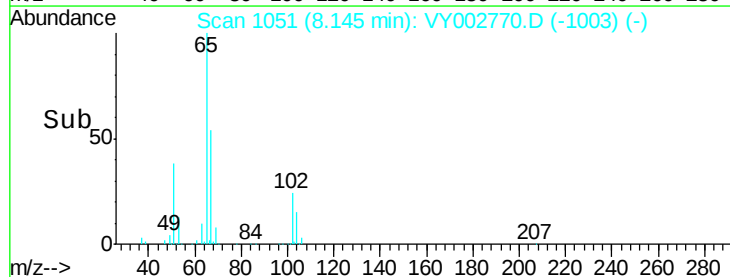
40000

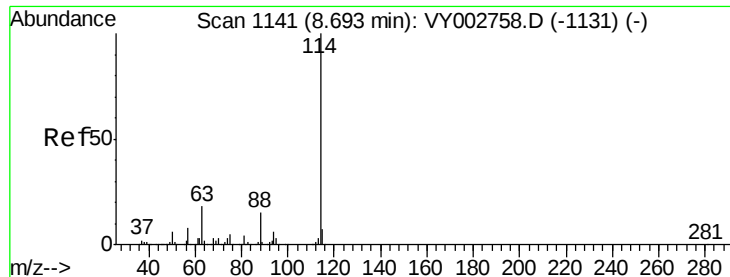
20000

0

8.10 8.20 8.30

Time-->

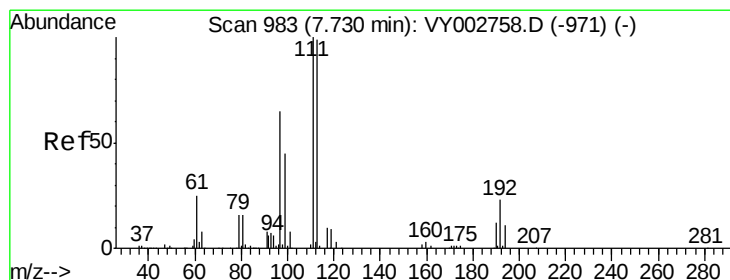
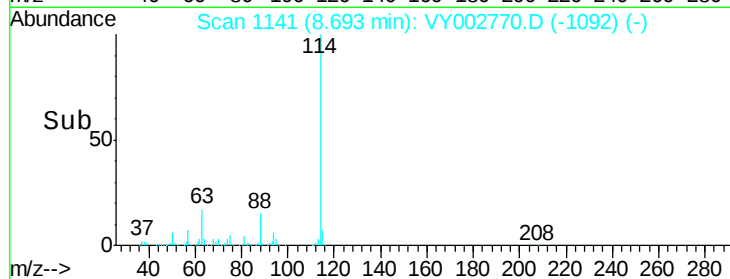
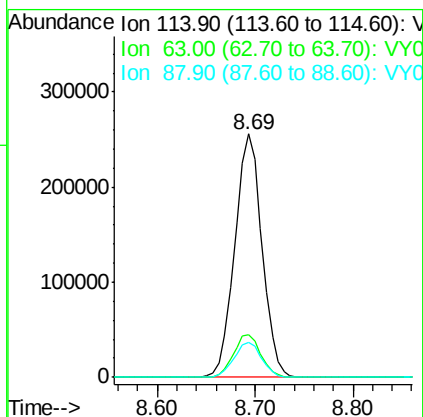
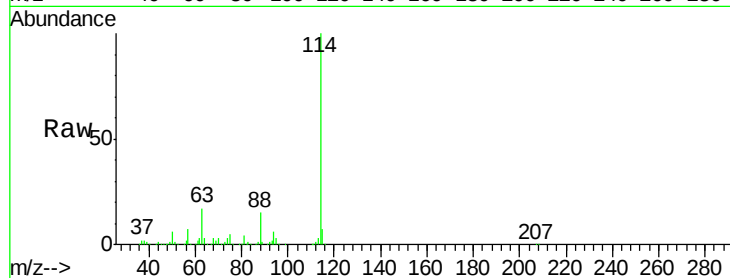




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002770.D  
 Acq: 27 May 2020 17:39

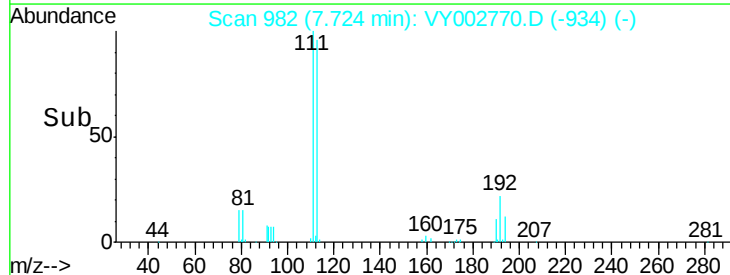
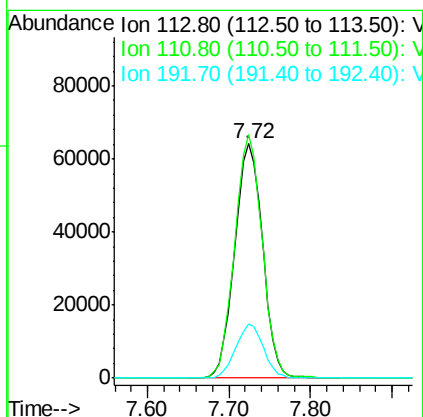
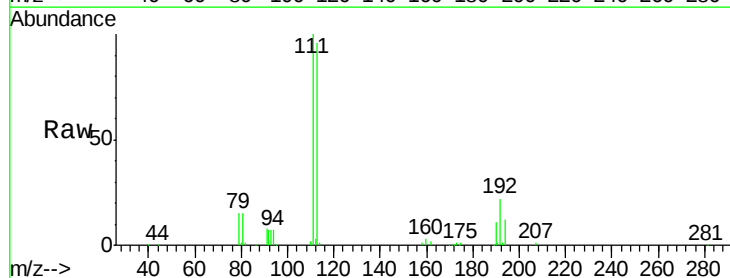
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ISLAND-BETWEEN-G-H-2

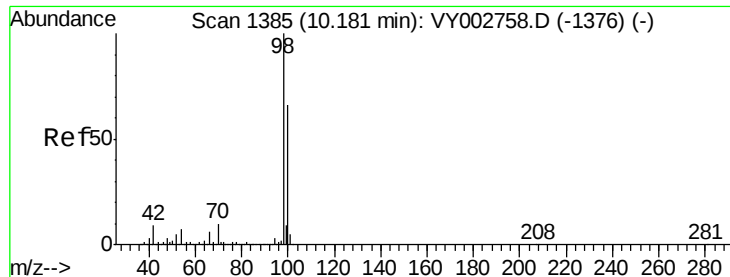
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.3  | 0.0   | 35.2  |
| 88      | 14.6  | 0.0   | 29.2  |



#35  
 Dibromofluoromethane  
 Concen: 52.494 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY002770.D  
 Acq: 27 May 2020 17:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.0  | 123.0 |
| 192     | 22.7  | 18.9  | 28.3  |





#50

Toluene-d8

Concen: 49.489 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002770.D

Acq: 27 May 2020 17:39

Instrument :

MSVOA\_Y

ClientSampleId :

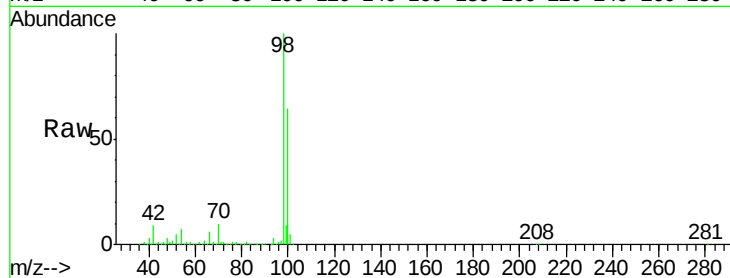
ISLAND-BETWEEN-G-H-2

Tot Ion: 98 Resp: 577835

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

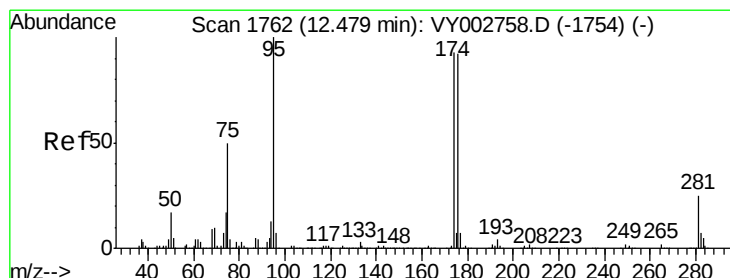
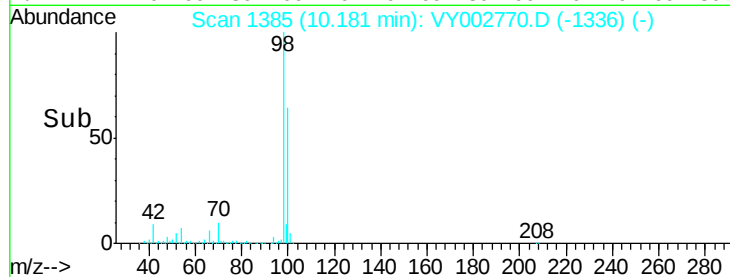
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.510 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002770.D

Acq: 27 May 2020 17:39

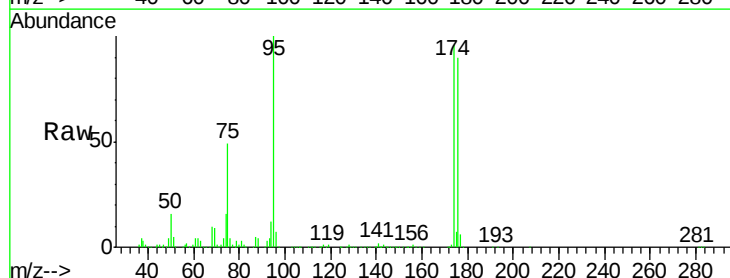
Tgt Ion: 95 Resp: 197559

Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.2

176 92.5 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.48

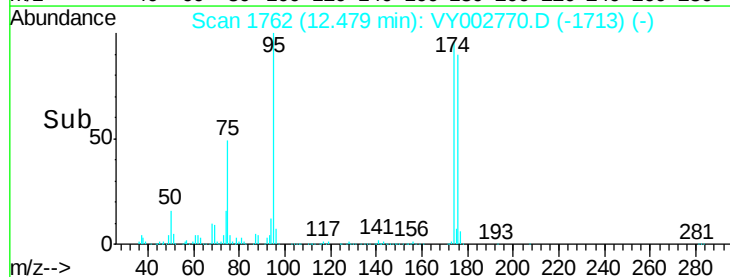
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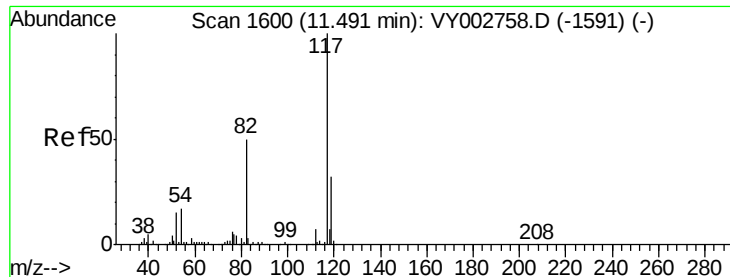
100000

50000

0

Time-->

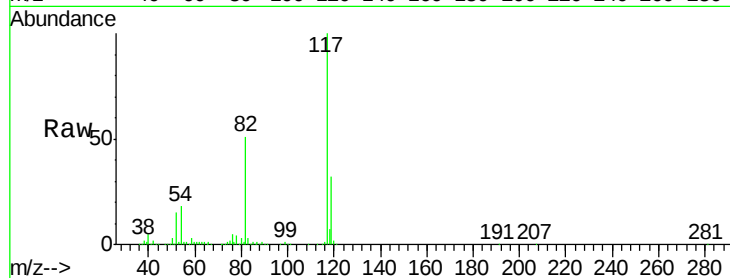




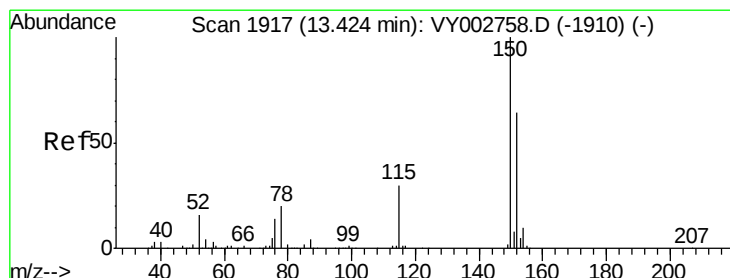
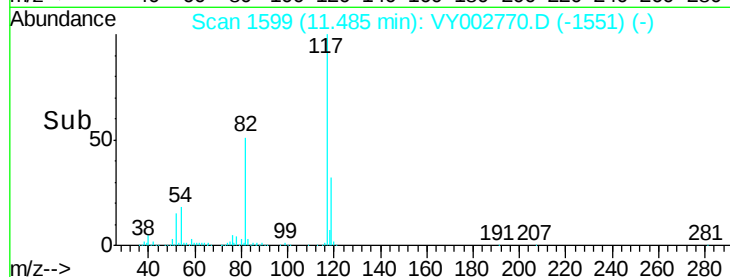
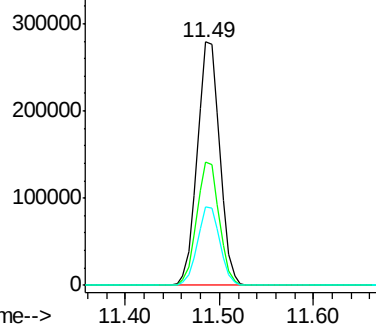
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY002770.D  
Acq: 27 May 2020 17:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ISLAND-BETWEEN-G-H-2

Tot Ion:117 Resp: 460753  
Ion Ratio Lower Upper  
117 100  
82 50.8 40.2 60.4  
119 32.1 25.8 38.8

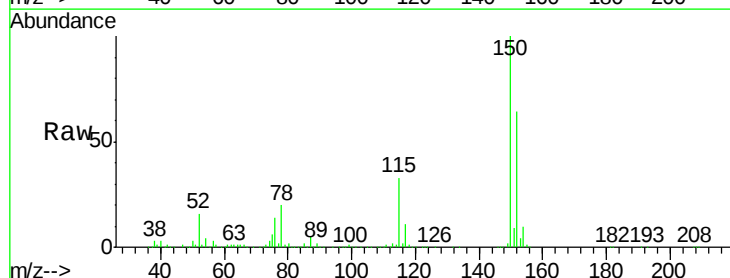


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002770.D  
Acq: 27 May 2020 17:39

Tgt Ion:152 Resp: 234409  
Ion Ratio Lower Upper  
152 100  
115 53.8 27.0 81.0  
150 157.4 0.0 344.8



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

