

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060220\  
 Data File : VY002812.D  
 Acq On : 02 Jun 2020 11:02  
 Operator : SY/MD  
 Sample : VY0602SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0602SBL01

Quant Time: Jun 03 05:22:36 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  | 300480   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 481707   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 454073   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 228664   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.14   | 65  | 143681   | 55.07 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.14% |      |
| 35) Dibromofluoromethane    | 7.72   | 113 | 148681   | 52.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.34% |      |
| 50) Toluene-d8              | 10.18  | 98  | 562738   | 49.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.60%  |      |
| 62) 4-Bromofluorobenzene    | 12.48  | 95  | 196978   | 50.50 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.00% |      |

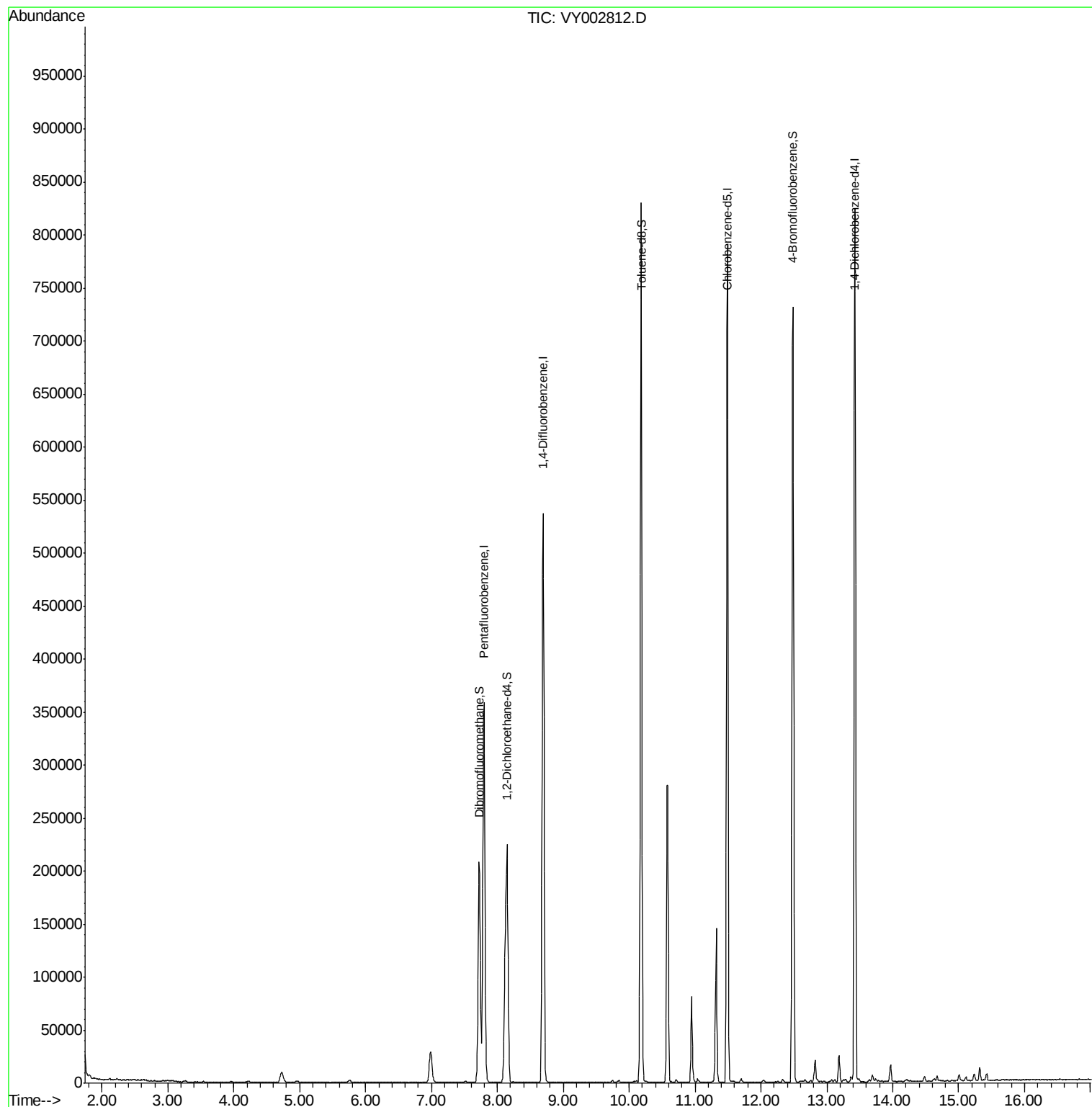
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

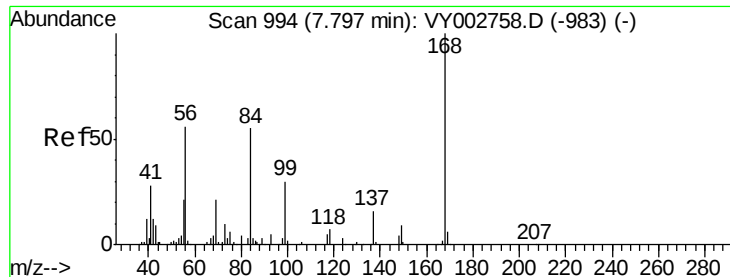
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY060220\  
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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: VY002812.D

Acq: 02 Jun 2020 11:02

Instrument :

MSVOA\_Y

ClientSampleId :

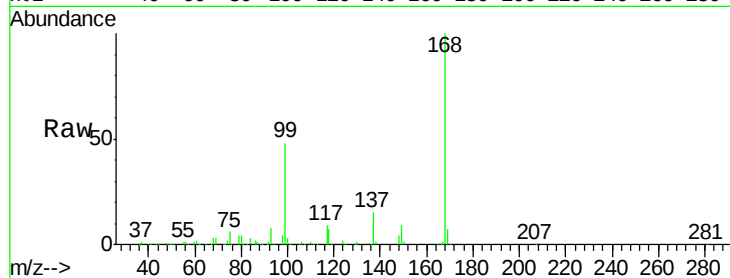
VY0602SBL01

Tot Ion:168 Resp: 300480

Ion Ratio Lower Upper

168 100

99 47.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002812.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002812.D (-945) (-)

7.80

150000

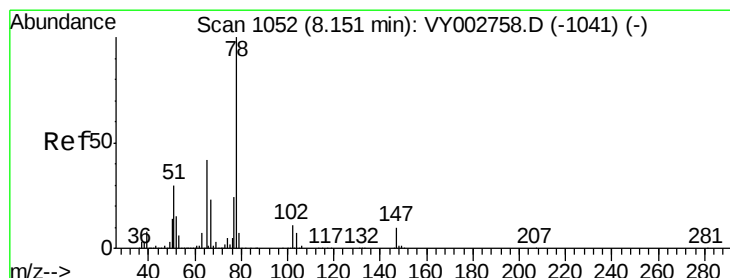
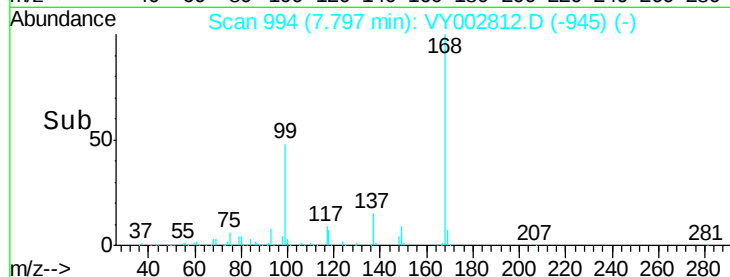
100000

50000

0

7.70 7.80 7.90

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.071 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VY002812.D

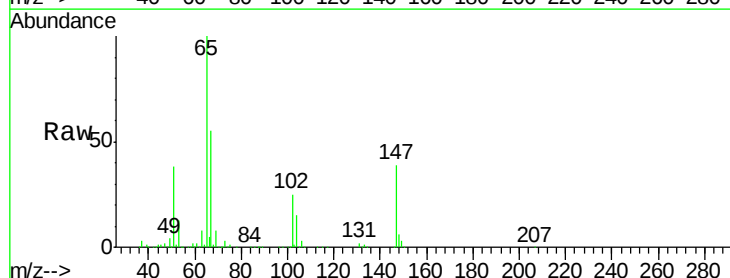
Acq: 02 Jun 2020 11:02

Tgt Ion: 65 Resp: 143681

Ion Ratio Lower Upper

65 100

67 55.9 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY002812.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY002812.D (-1003) (-)

8.14

60000

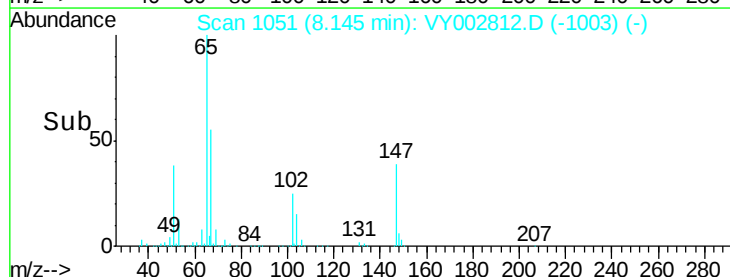
40000

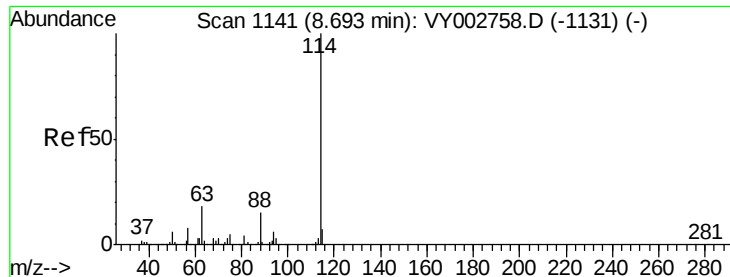
20000

0

8.00 8.10 8.20

Time-->

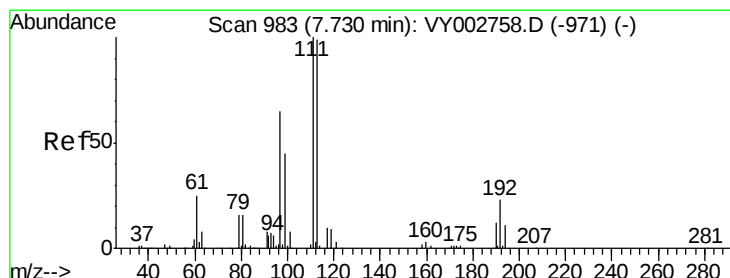
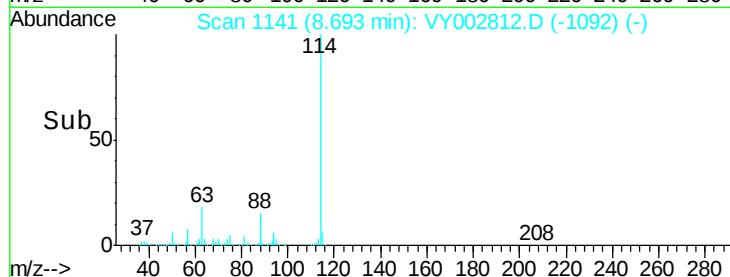
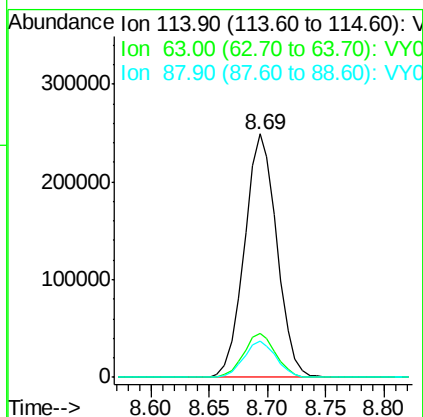
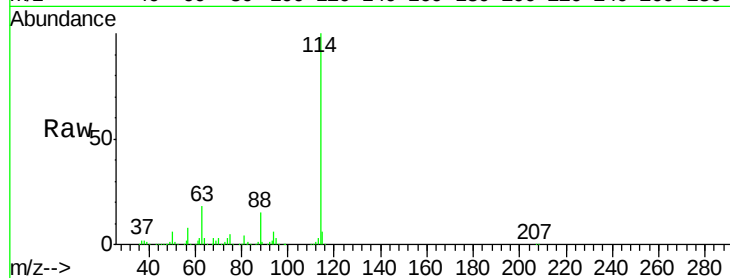




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.69 min Scan# 1141  
Delta R.T. 0.00 min  
Lab File: VY002812.D  
Acq: 02 Jun 2020 11:02

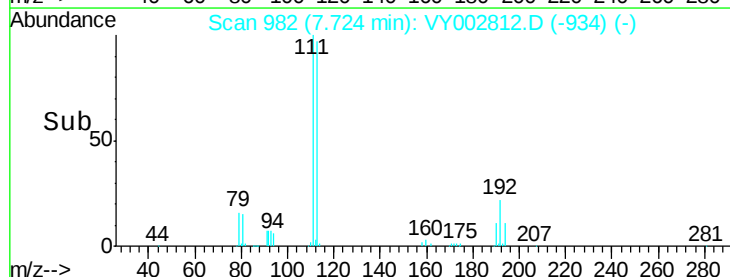
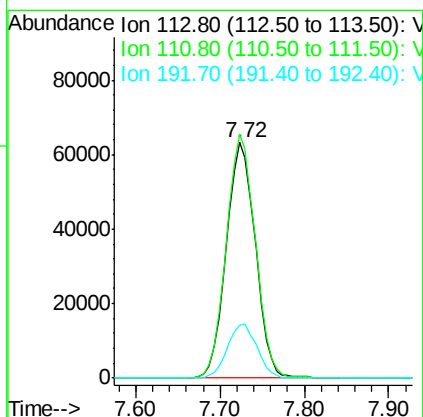
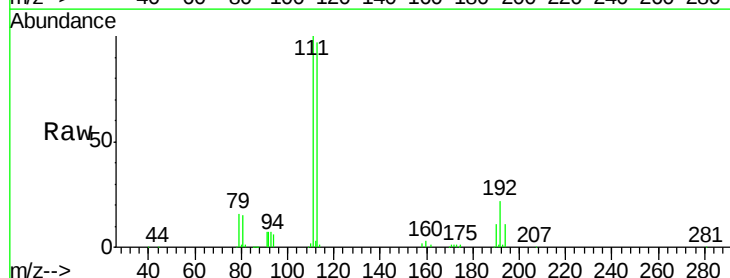
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0602SBL01

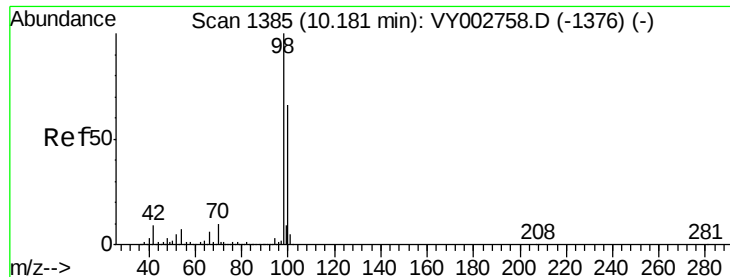
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 18.3  | 0.0   | 35.2  |
| 88      | 14.9  | 0.0   | 29.2  |



#35  
Dibromofluoromethane  
Concen: 52.667 ug/l  
RT: 7.72 min Scan# 982  
Delta R.T. -0.01 min  
Lab File: VY002812.D  
Acq: 02 Jun 2020 11:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.5 | 82.0  | 123.0 |
| 192     | 23.1  | 18.9  | 28.3  |





#50

Toluene-d8

Concen: 49.301 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002812.D

Acq: 02 Jun 2020 11:02

Instrument :

MSVOA\_Y

ClientSampleId :

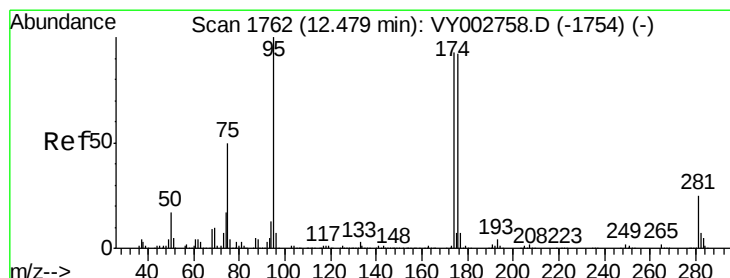
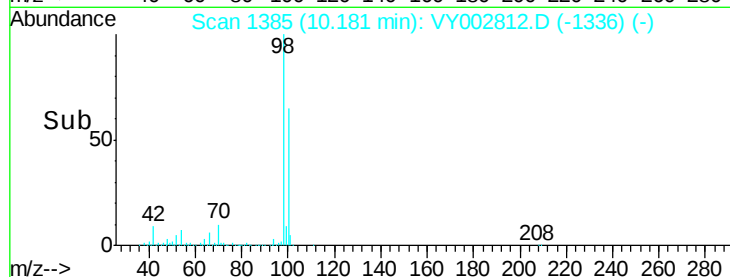
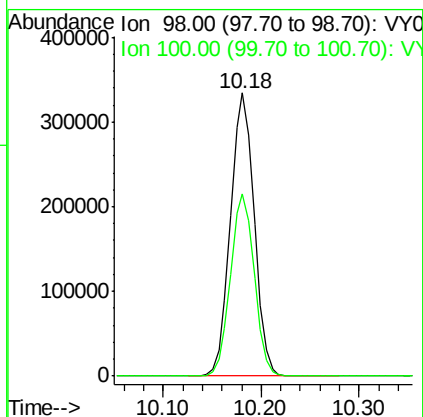
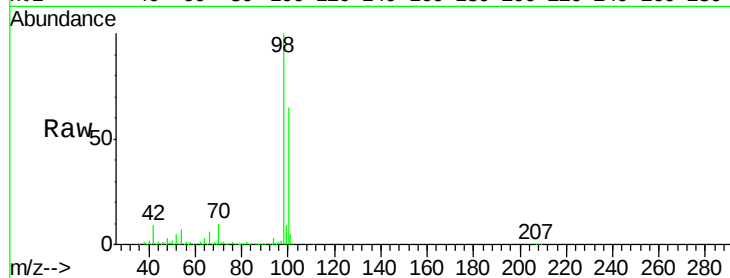
VY0602SBL01

Tot Ion: 98 Resp: 562738

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 50.496 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002812.D

Acq: 02 Jun 2020 11:02

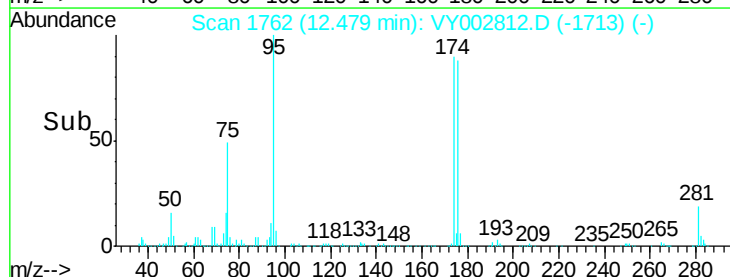
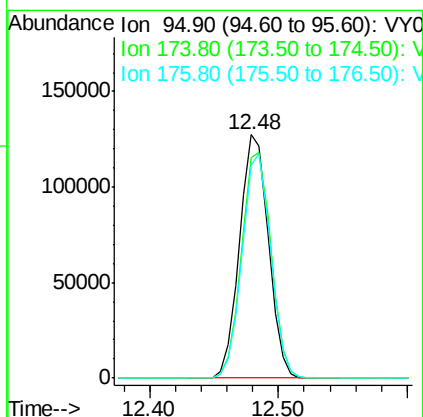
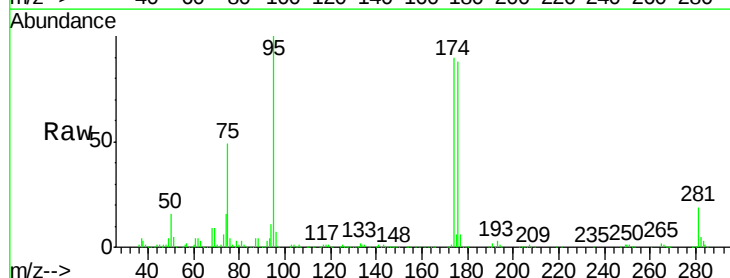
Tgt Ion: 95 Resp: 196978

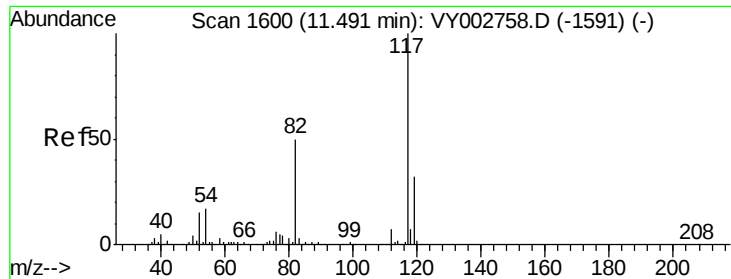
Ion Ratio Lower Upper

95 100

174 94.3 0.0 191.2

176 91.4 0.0 188.8

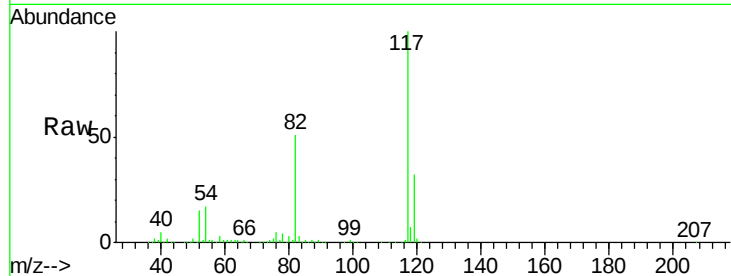




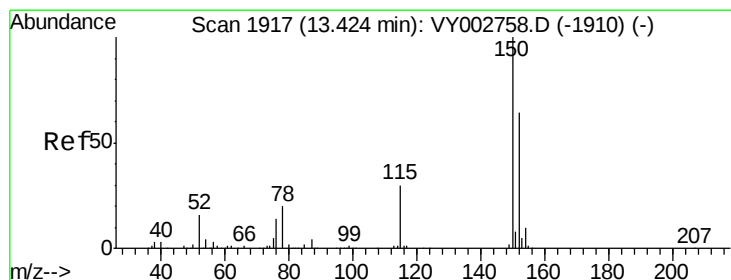
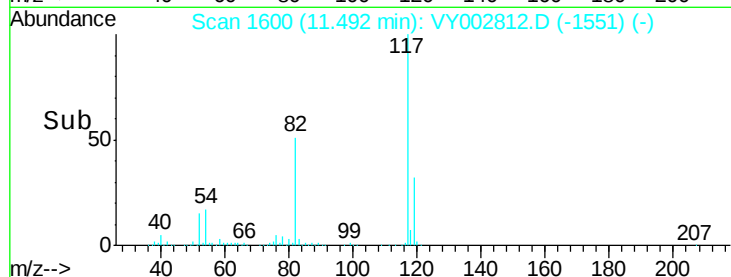
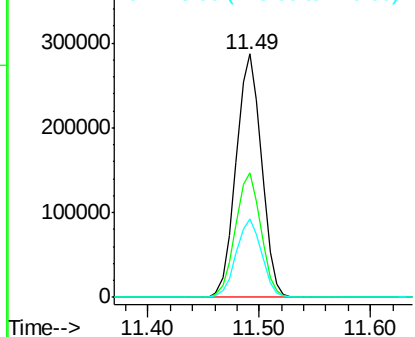
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. 0.00 min  
Lab File: VY002812.D  
Acq: 02 Jun 2020 11:02

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0602SBL01

Tot Ion:117 Resp: 454073  
Ion Ratio Lower Upper  
117 100  
82 51.2 40.2 60.4  
119 32.2 25.8 38.8

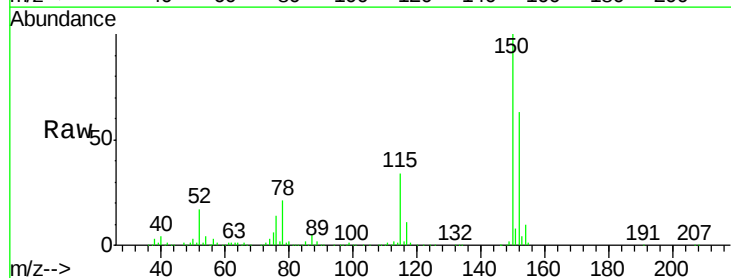


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002812.D  
Acq: 02 Jun 2020 11:02

Tgt Ion:152 Resp: 228664  
Ion Ratio Lower Upper  
152 100  
115 54.0 27.0 81.0  
150 157.3 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

