

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\  
 Data File : VY002974.D  
 Acq On : 22 Jun 2020 15:22  
 Operator : SY/MD  
 Sample : L3020-07  
 Misc : 7.41G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MW-25(19-21)

Quant Time: Jun 23 08:41:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y061920S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 20 06:39:15 2020  
 Response via : Initial Calibration

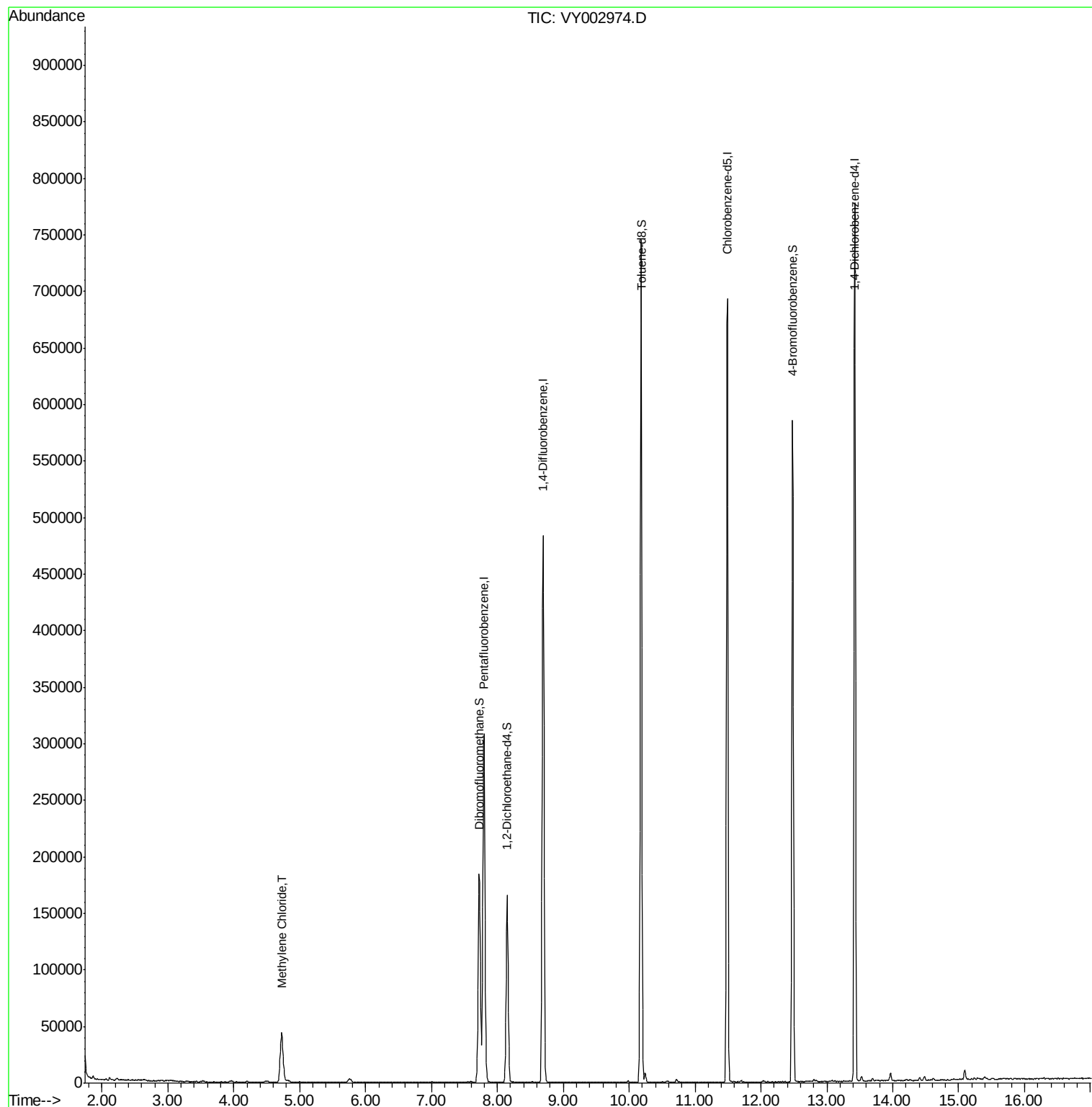
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 265141   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 434807   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 407139   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 210435   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 130108   | 59.41 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 118.82% |           |
| 35) Dibromofluoromethane    | 7.72  | 113  | 134415   | 54.63 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 109.26% |           |
| 50) Toluene-d8              | 10.18 | 98   | 505148   | 52.07 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.14% |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 177621   | 52.79 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.58% |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.73  | 84   | 36349    | 8.295 | ug/l    | Qvalue 95 |

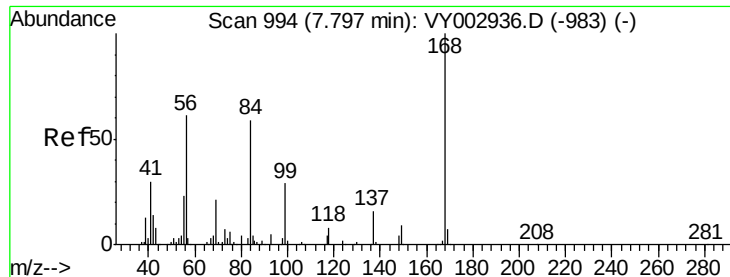
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 20 06:39:15 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: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

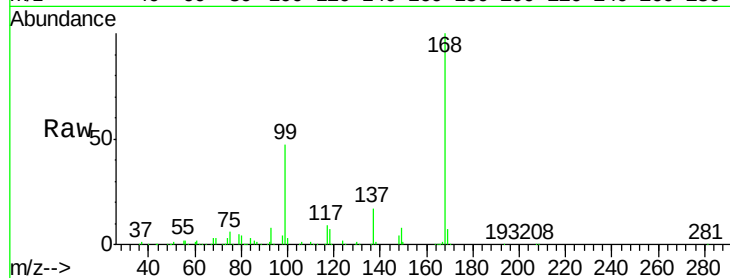
MW-25(19-21)

Tot Ion:168 Resp: 265141

Ion Ratio Lower Upper

168 100

99 47.4 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002974.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002974.D (-945) (-)

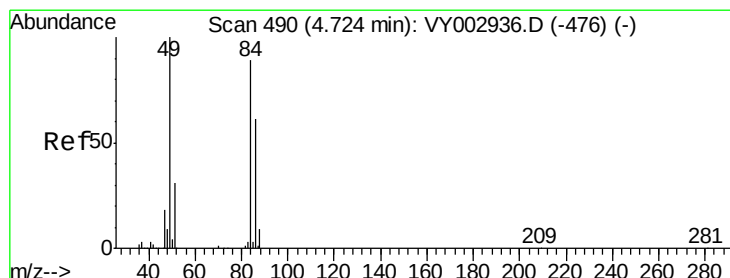
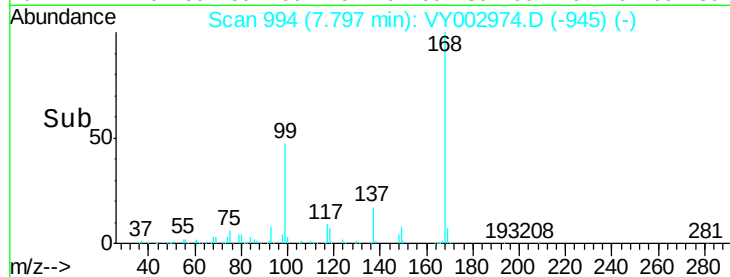
7.80

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.295 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Tgt Ion: 84 Resp: 36349

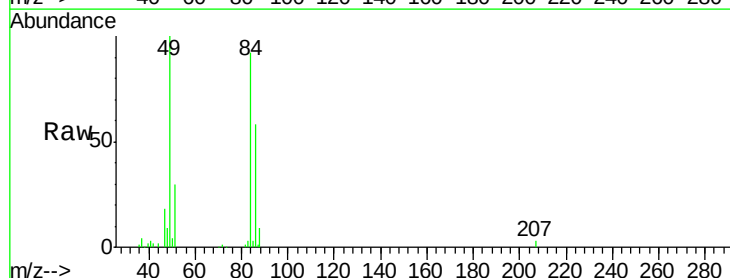
Ion Ratio Lower Upper

84 100

49 108.4 90.0 135.0

51 32.9 27.9 41.9

86 62.8 54.6 81.8



Abundance Ion 83.90 (83.60 to 84.60): VY002974.D (-441) (-)

Ion 48.90 (48.60 to 49.60): VY002974.D (-441) (-)

Ion 50.90 (50.60 to 51.60): VY002974.D (-441) (-)

Ion 85.90 (85.60 to 86.60): VY002974.D (-441) (-)

4.73

20000

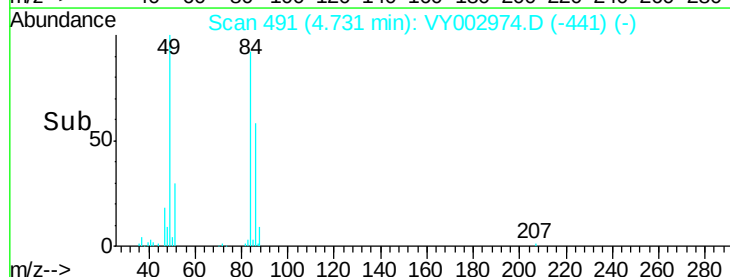
15000

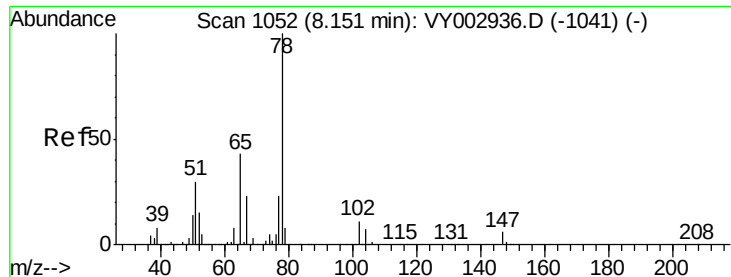
10000

5000

0

Time-->

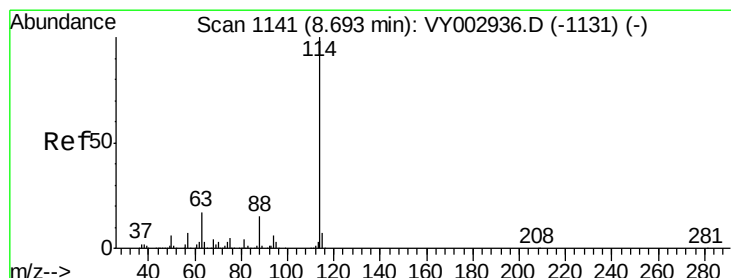
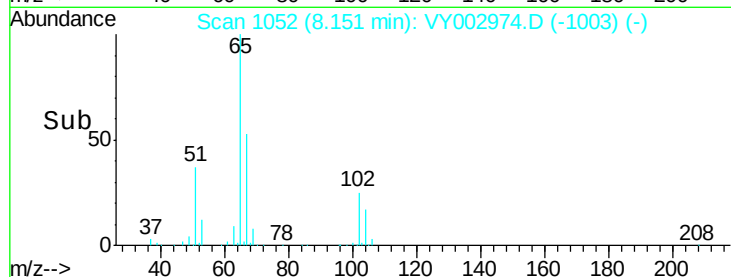
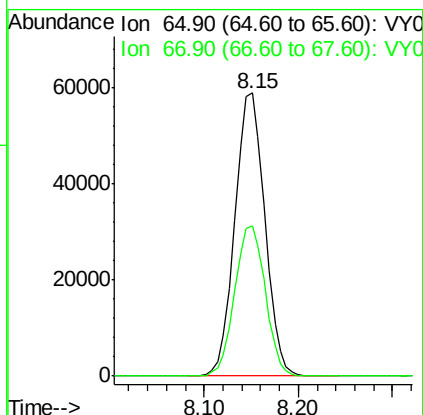
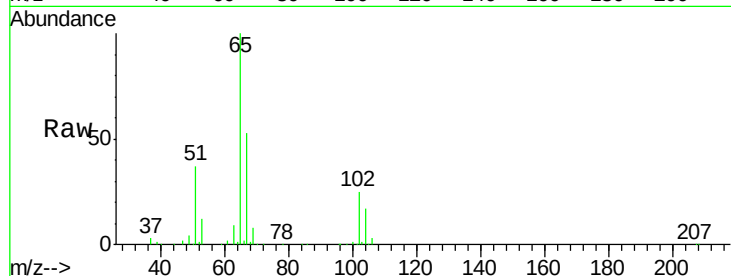




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.409 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY002974.D  
 Acq: 22 Jun 2020 15:22

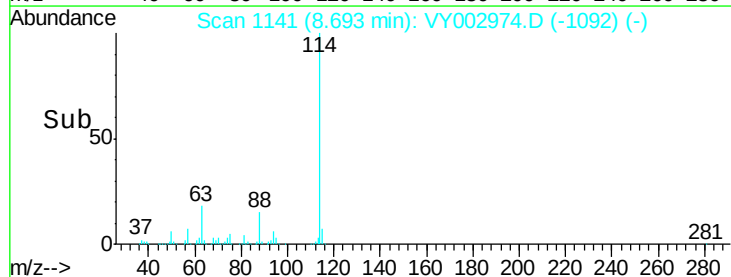
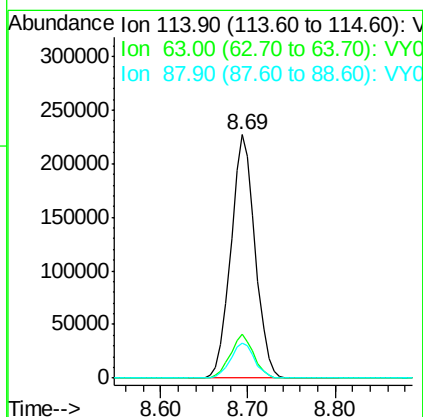
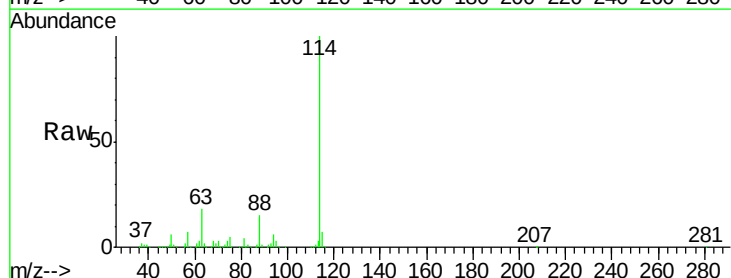
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MW-25(19-21)

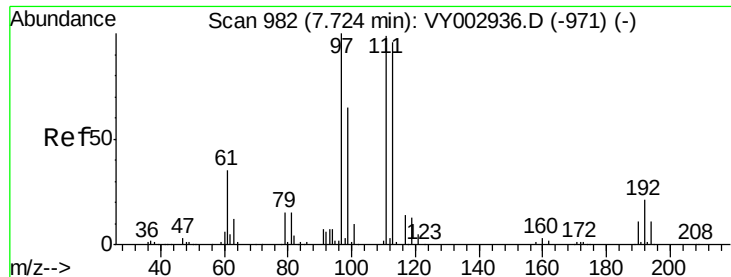
Tot Ion: 65 Resp: 130108  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. 0.00 min  
 Lab File: VY002974.D  
 Acq: 22 Jun 2020 15:22

Tgt Ion: 114 Resp: 434807  
 Ion Ratio Lower Upper  
 114 100  
 63 18.0 0.0 34.6  
 88 14.6 0.0 29.2

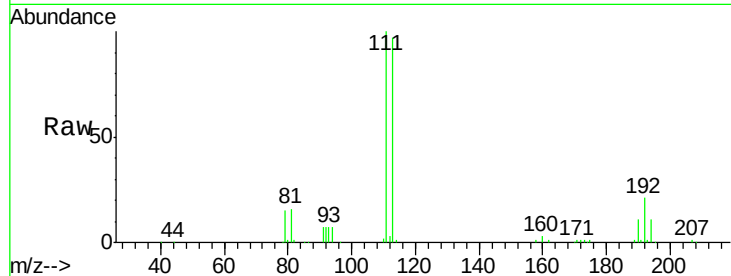




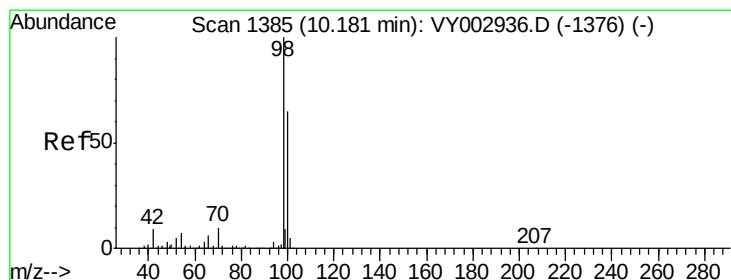
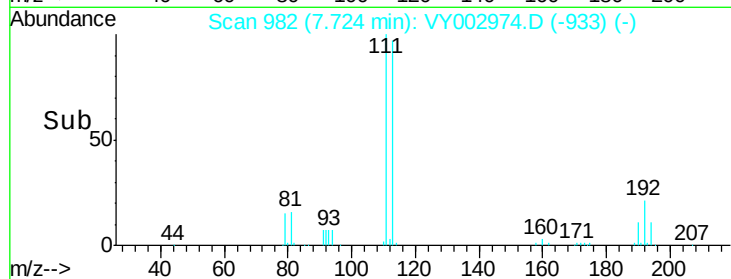
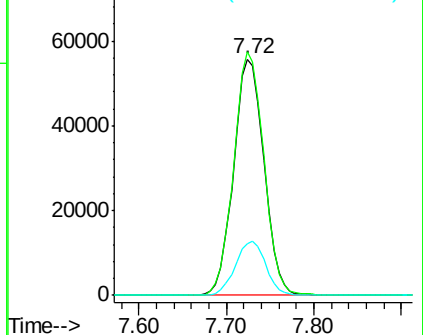
#35  
Dibromofluoromethane  
Concen: 54.635 ug/l  
RT: 7.72 min Scan# 982  
Delta R.T. 0.00 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MW-25(19-21)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.5  | 122.3 |
| 192     | 22.8  | 19.2  | 28.8  |

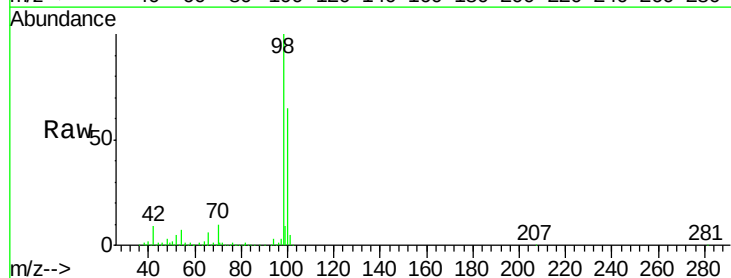


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

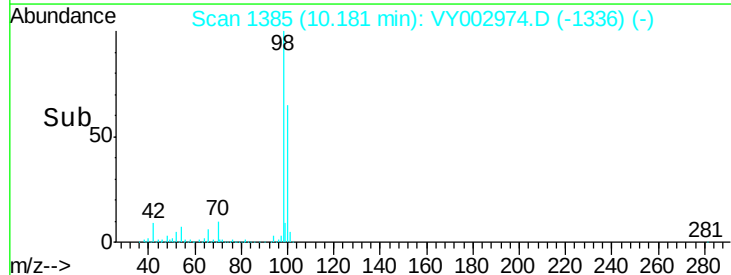
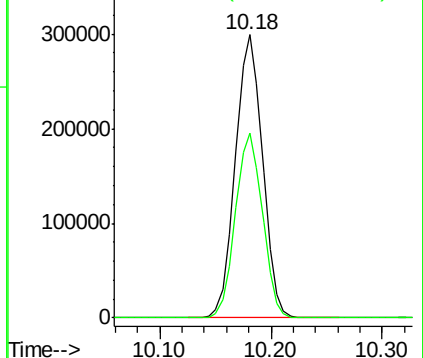


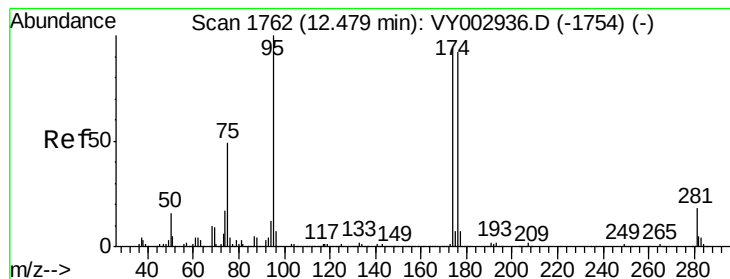
#50  
Toluene-d8  
Concen: 52.074 ug/l  
RT: 10.18 min Scan# 1385  
Delta R.T. 0.00 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.9  | 51.9  | 77.9  |



Abundance Ion 98.00 (97.70 to 98.70): VY0  
Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 52.786 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

MW-25(19-21)

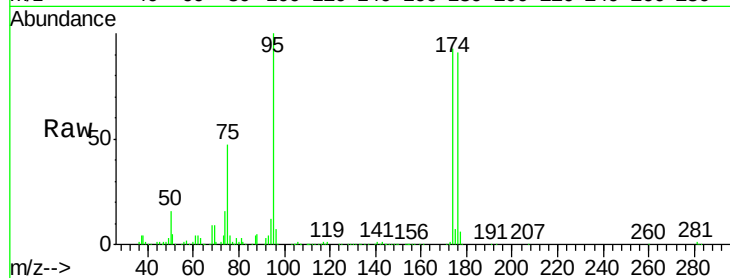
Tot Ion: 95 Resp: 177621

Ion Ratio Lower Upper

95 100

174 94.6 0.0 191.2

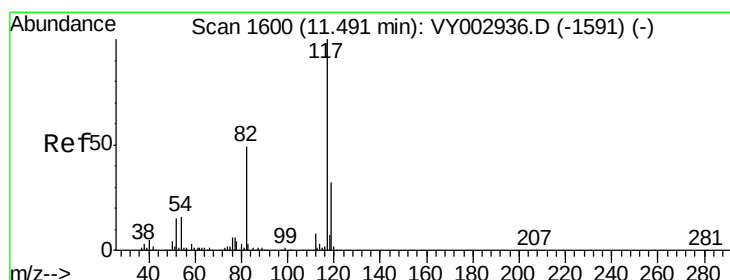
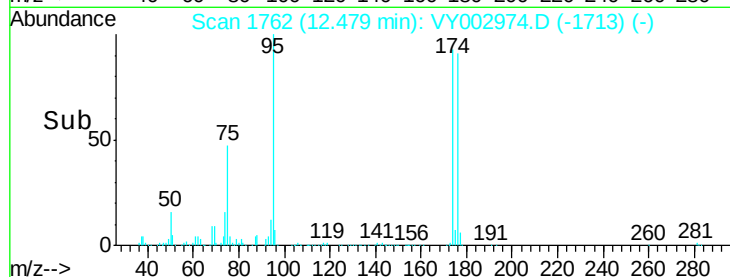
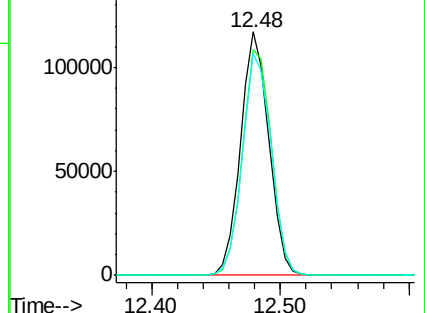
176 92.2 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY002974.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002974.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002974.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002974.D

Acq: 22 Jun 2020 15:22

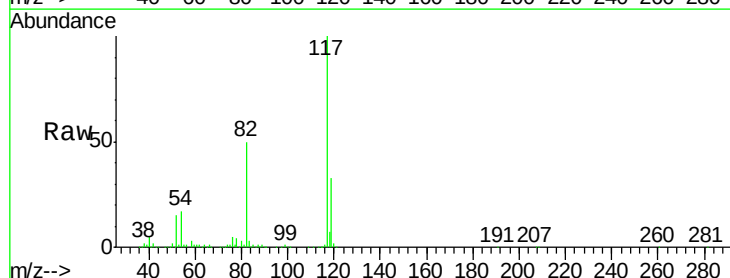
Tgt Ion: 117 Resp: 407139

Ion Ratio Lower Upper

117 100

82 50.4 39.4 59.0

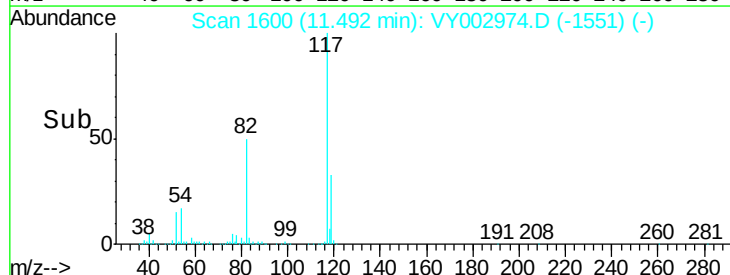
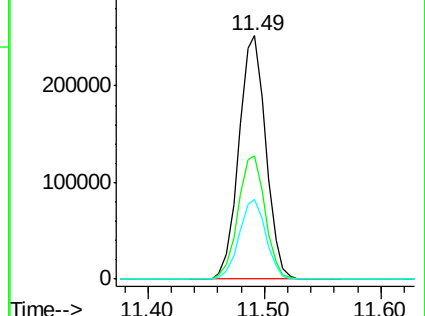
119 32.8 25.4 38.0

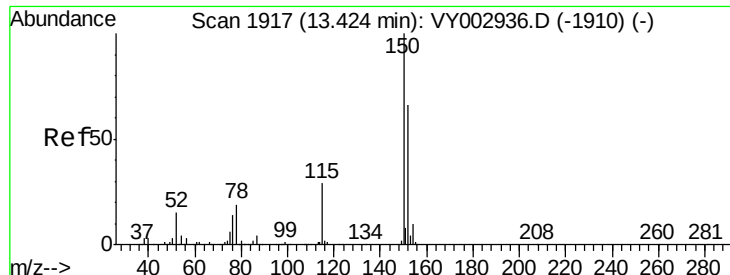


Abundance Ion 116.90 (116.60 to 117.60): VY002974.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002974.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002974.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. 0.00 min  
Lab File: VY002974.D  
Acq: 22 Jun 2020 15:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MW-25(19-21)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 53.8  | 26.9  | 80.6  |
| 150     | 156.6 | 0.0   | 341.8 |

