

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042920\  
 Data File : VY002500.D  
 Acq On : 29 Apr 2020 11:14  
 Operator : SY/MD  
 Sample : VY0429SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0429SBL01

Quant Time: Apr 30 04:31:48 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y042320S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 23 14:11:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.81  | 168  | 245953   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 381617   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 350976   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 180324   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 127871   | 59.48 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 118.96% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 116195   | 53.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 107.96% |          |
| 50) Toluene-d8              | 10.19 | 98   | 447949   | 51.78 | ug/l    | -0.01    |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 103.56% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 145119   | 49.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      |          |       |         |          |
|                             |       |      | Recovery | =     | 99.98%  |          |

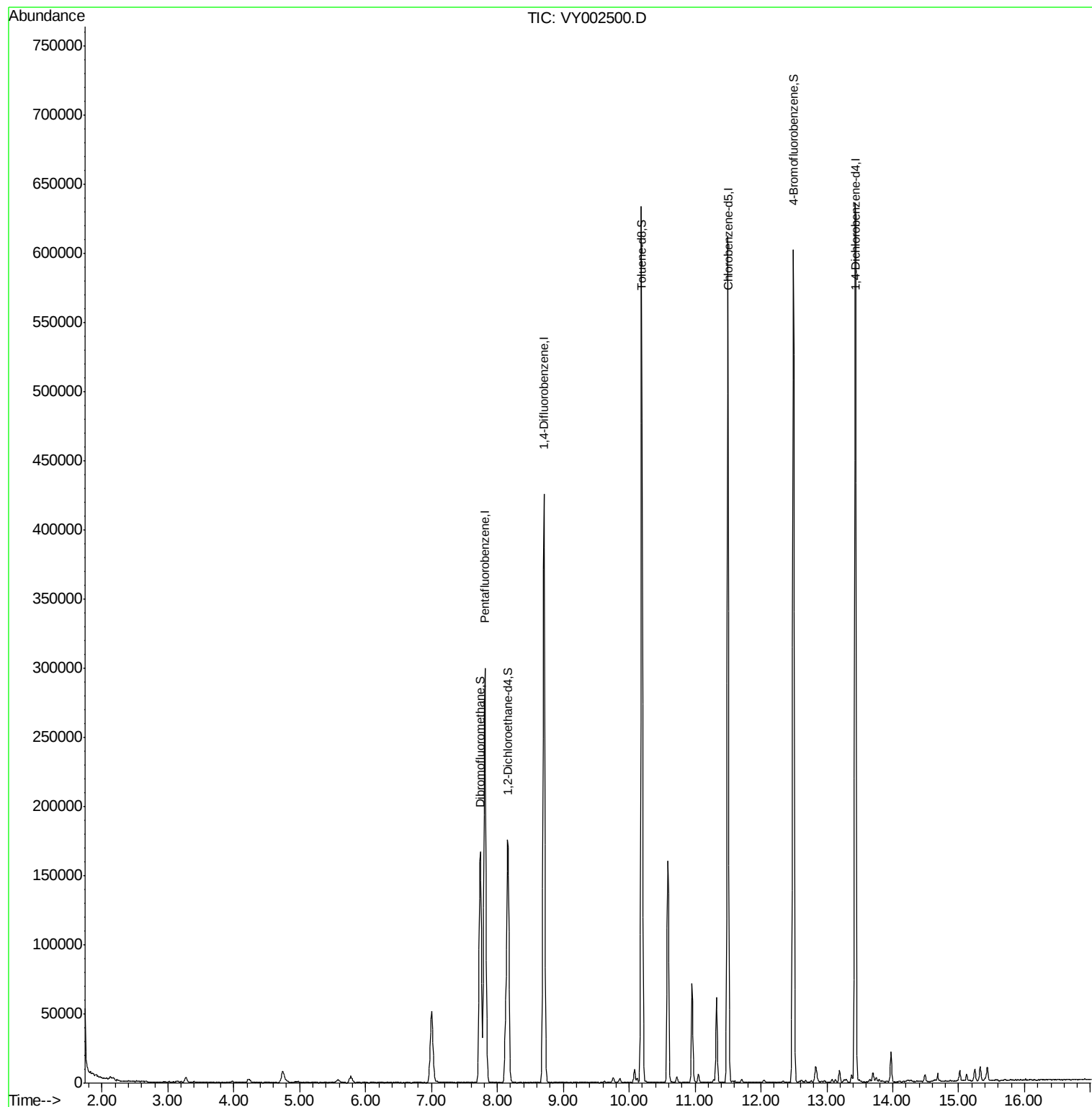
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

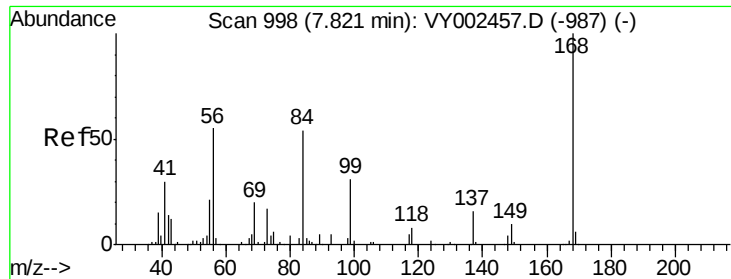
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 23 14:11:26 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

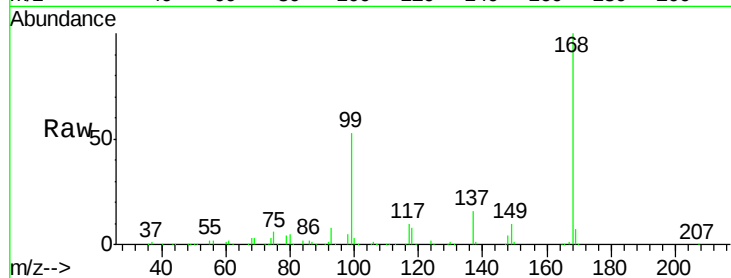
VY0429SBL01

Tot Ion:168 Resp: 245953

Ion Ratio Lower Upper

168 100

99 53.4 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

7.81

120000

100000

80000

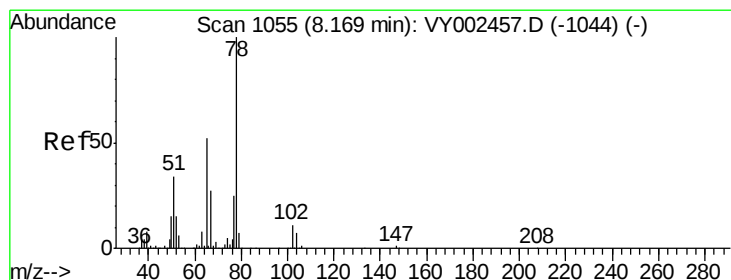
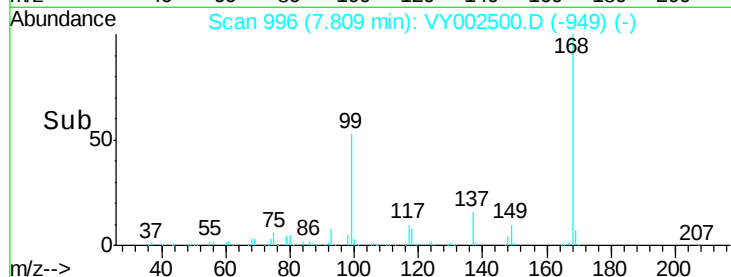
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 59.483 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002500.D

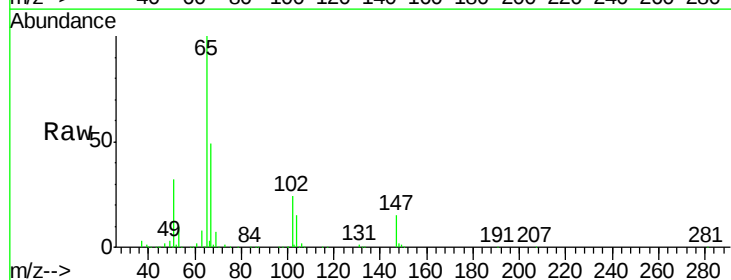
Acq: 29 Apr 2020 11:14

Tgt Ion: 65 Resp: 127871

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VY002457.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY002457.D (-1044) (-)

8.16

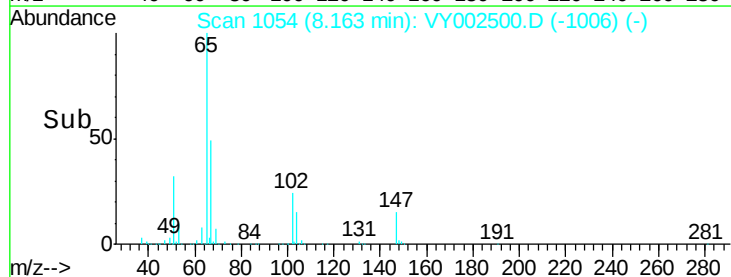
60000

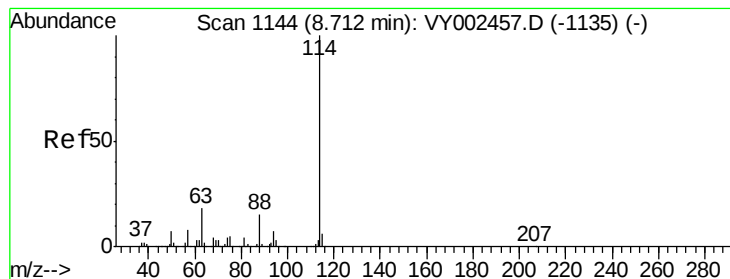
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY0429SBL01

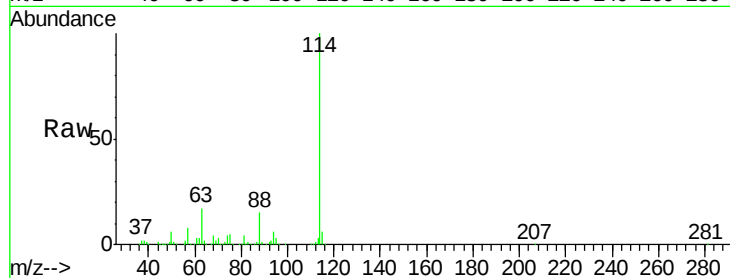
Tot Ion:114 Resp: 381617

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.6

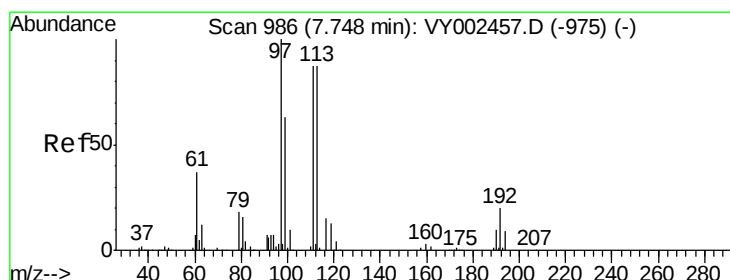
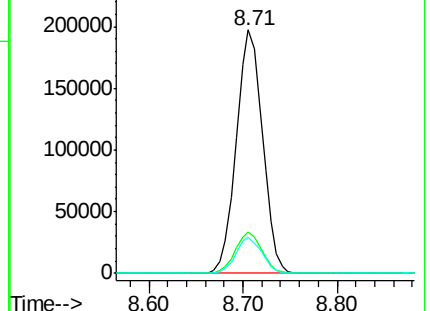
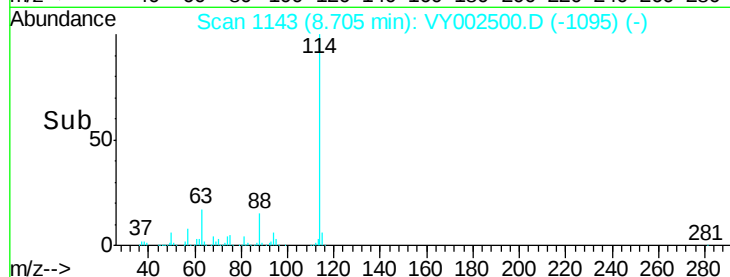
88 14.8 0.0 29.4



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: 53.981 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

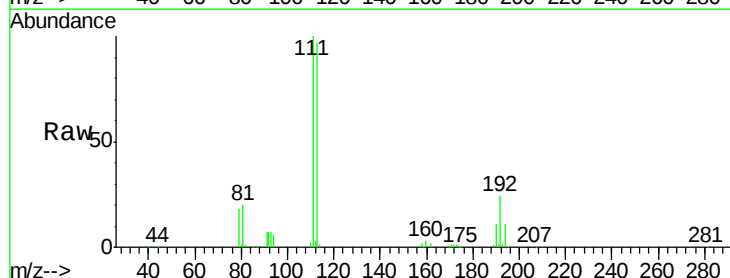
Tgt Ion:113 Resp: 116195

Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.4

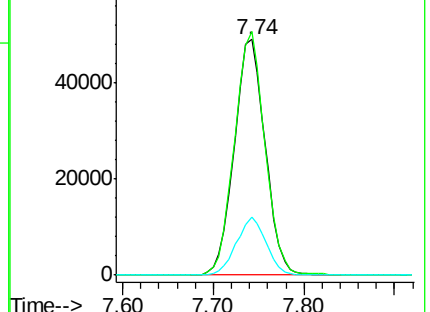
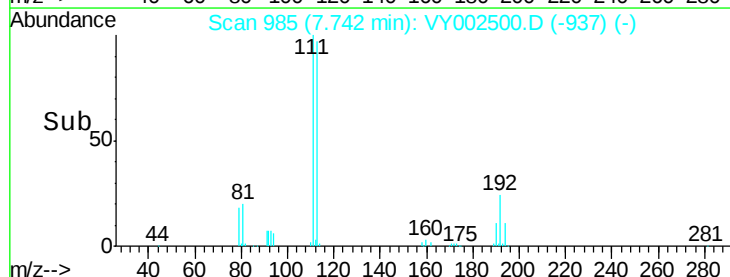
192 23.7 18.6 27.8

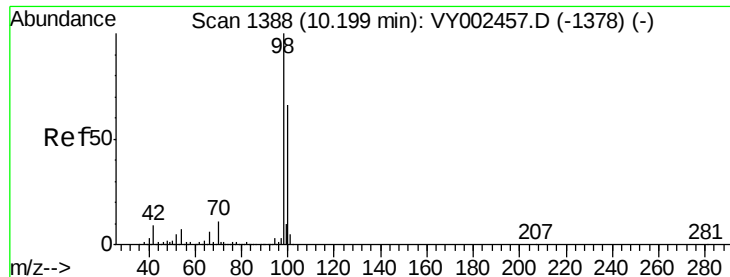


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.777 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

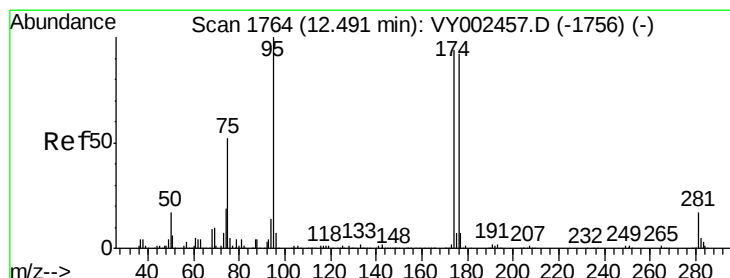
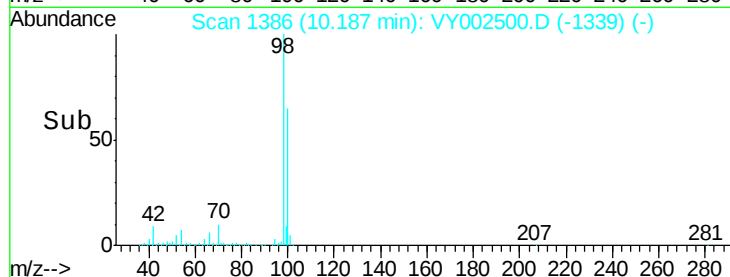
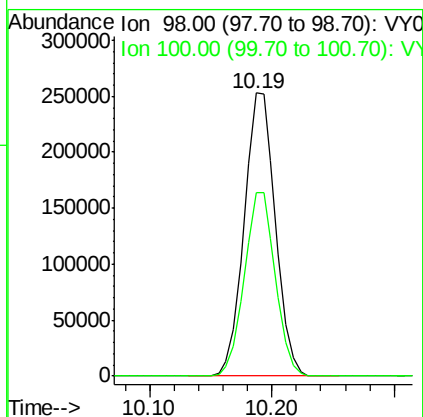
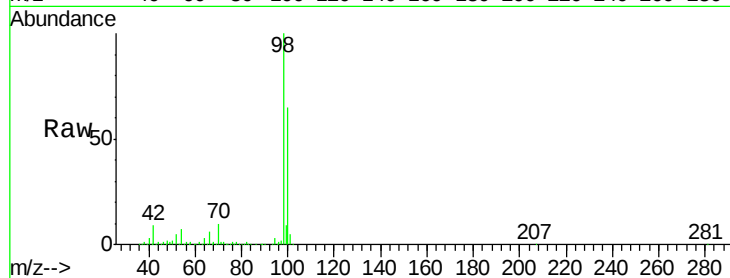
VY0429SBL01

Tot Ion: 98 Resp: 447949

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 49.990 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

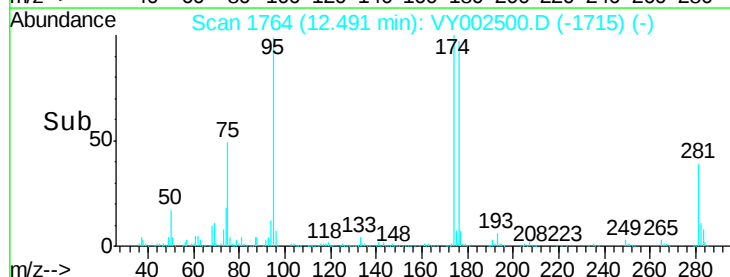
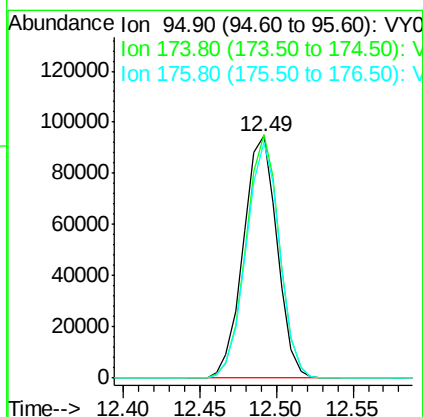
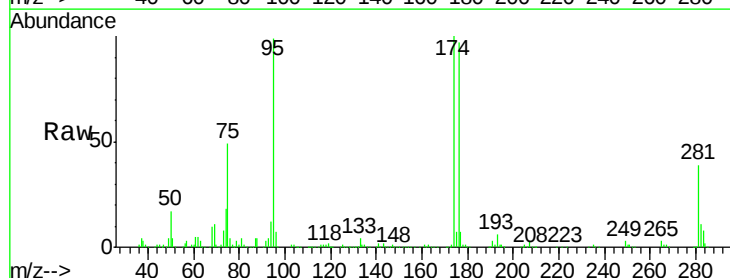
Tgt Ion: 95 Resp: 145119

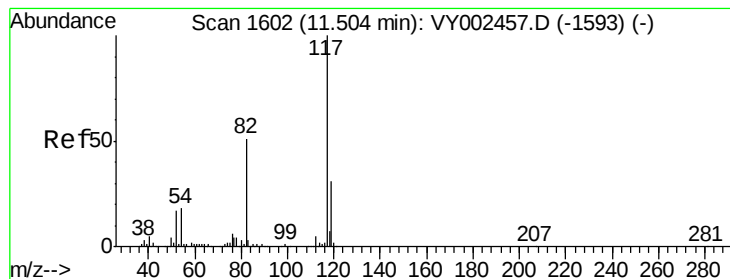
Ion Ratio Lower Upper

95 100

174 99.8 0.0 193.0

176 96.6 0.0 190.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

Instrument :

MSVOA\_Y

ClientSampleId :

VY0429SBL01

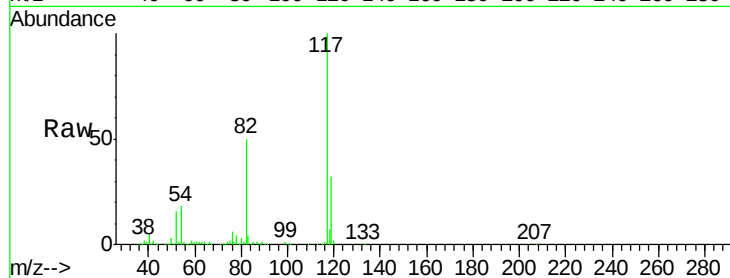
Tot Ion:117 Resp: 350976

Ion Ratio Lower Upper

117 100

82 50.2 40.8 61.2

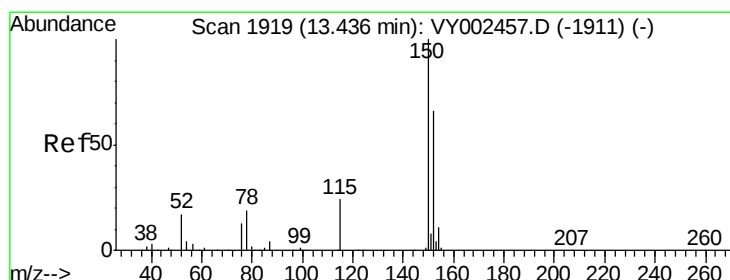
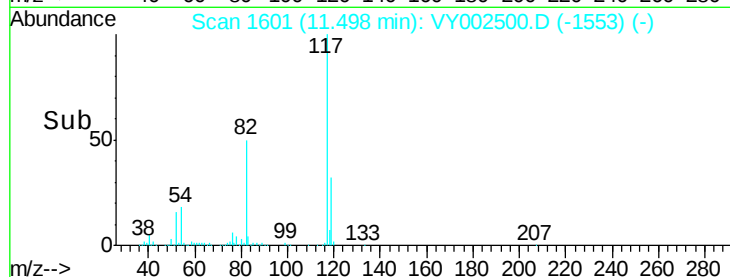
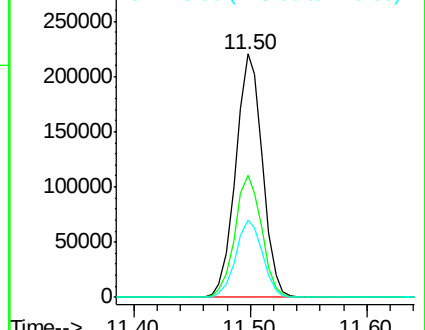
119 32.0 25.2 37.8



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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002500.D

Acq: 29 Apr 2020 11:14

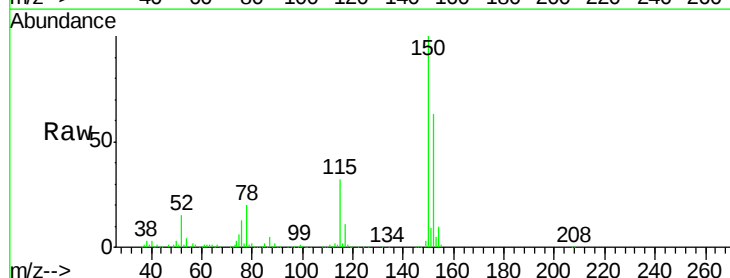
Tgt Ion:152 Resp: 180324

Ion Ratio Lower Upper

152 100

115 52.8 27.3 81.8

150 155.3 0.0 346.8



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

