

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\  
 Data File : VY001860.D  
 Acq On : 04 Mar 2020 17:42  
 Operator : SY/MD  
 Sample : L1778-06  
 Misc : 5.78G/5ML/MSVOA Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DN1

Quant Time: Mar 05 04:58:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y030420S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 05 04:05:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 143505   | 50.00 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 8.70  | 114  | 273551   | 50.00 | ug/l  | -0.01    |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 240435   | 50.00 | ug/l  | -0.01    |
| 72) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 92315    | 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   | 87051    | 56.82  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 113.64% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 80463    | 53.87  | ug/l    | -0.01    |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 107.74% |          |
| 50) Toluene-d8              | 10.19 | 98   | 329732   | 52.35  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.70% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 103339   | 47.18  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 94.36%  |          |

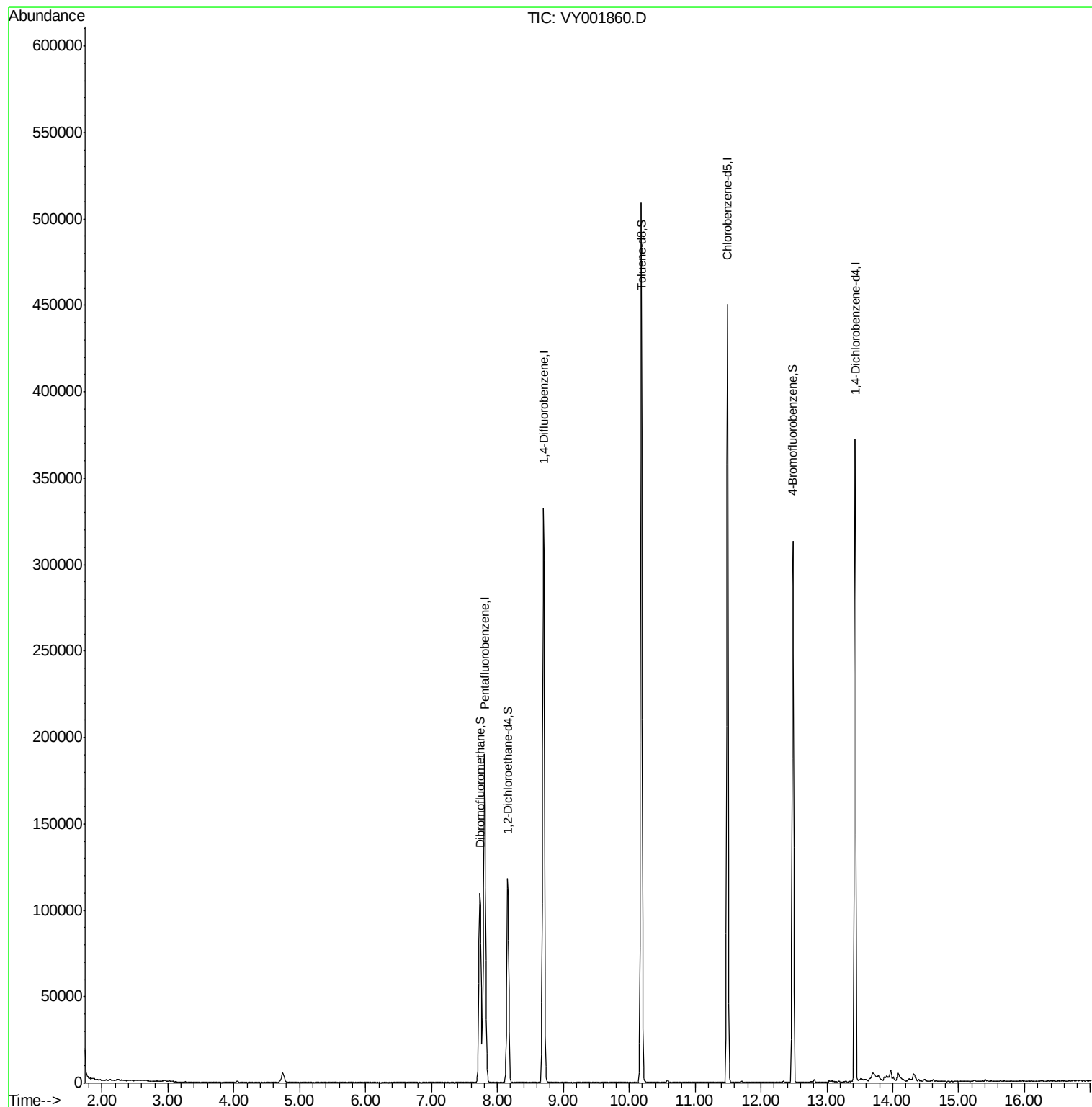
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001860.D

Acq: 04 Mar 2020 17:42

Instrument :

MSVOA\_Y

ClientSampled :

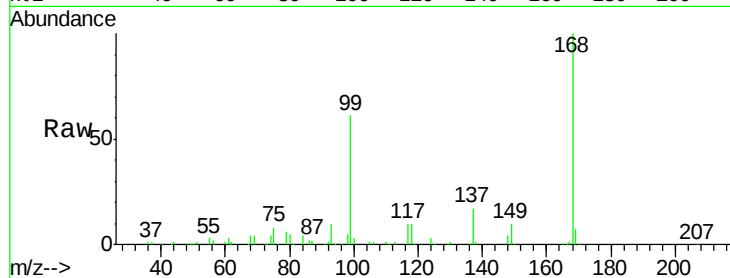
DN1

Tot Ion:168 Resp: 143505

Ion Ratio Lower Upper

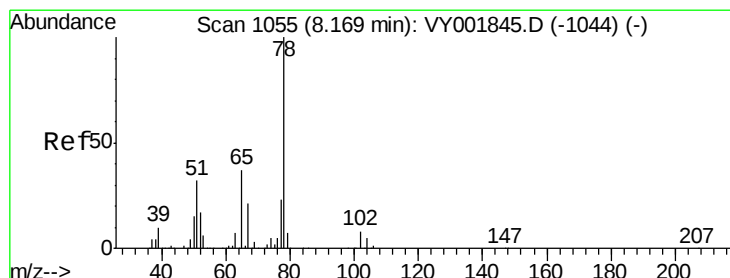
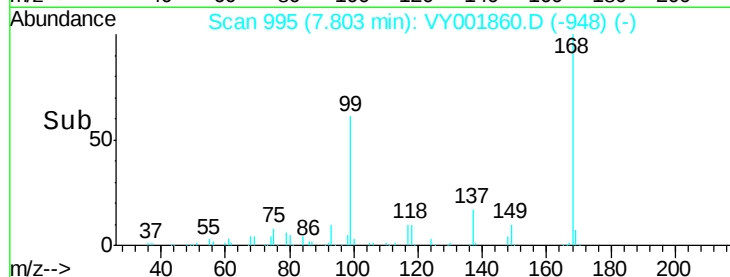
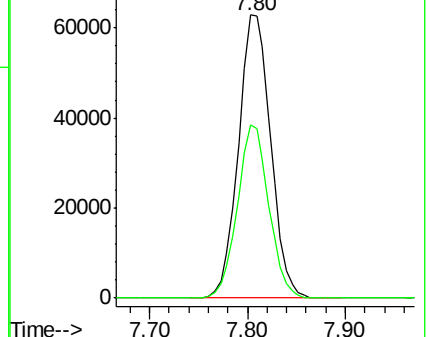
168 100

99 61.2 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#33

1,2-Dichloroethane-d4

Concen: 56.821 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001860.D

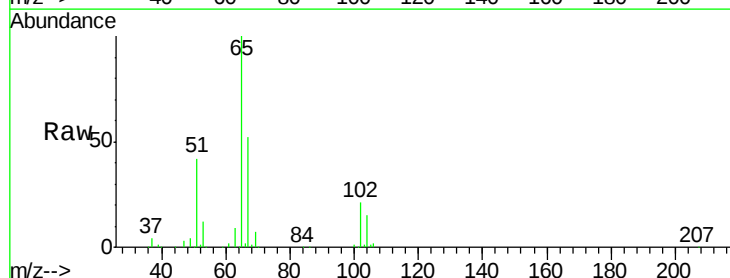
Acq: 04 Mar 2020 17:42

Tgt Ion: 65 Resp: 87051

Ion Ratio Lower Upper

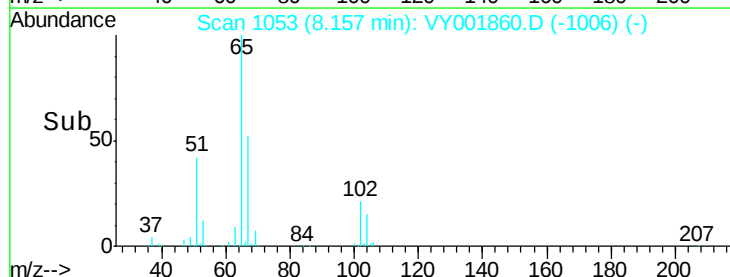
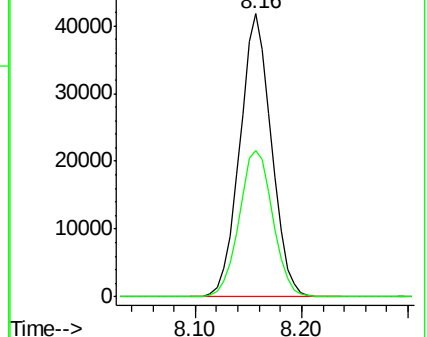
65 100

67 55.0 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001860.D

Acq: 04 Mar 2020 17:42

Instrument :

MSVOA\_Y

ClientSampleId :

DN1

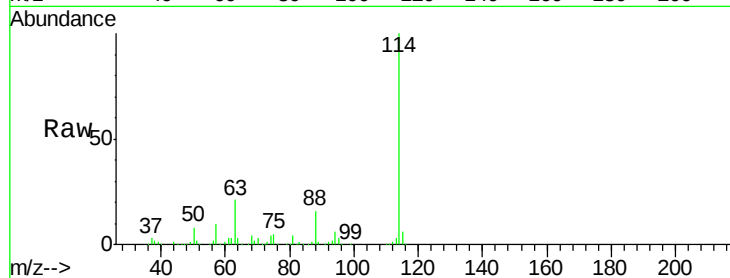
Tot Ion:114 Resp: 273551

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.4

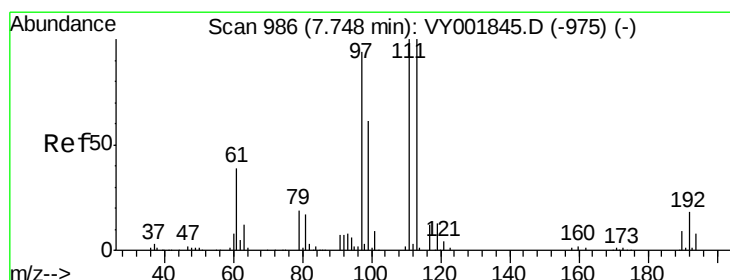
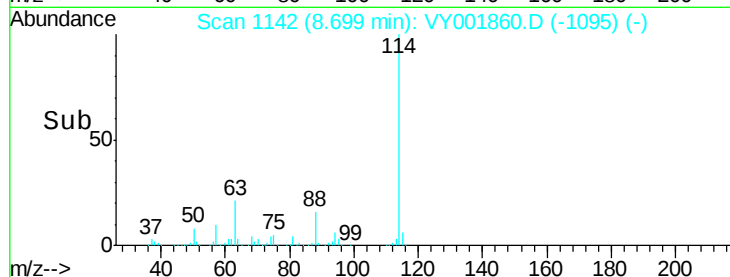
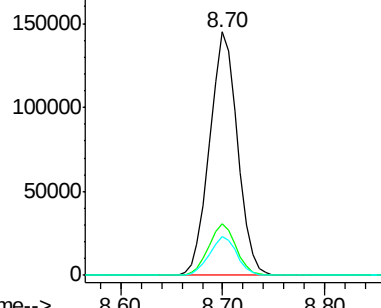
88 15.9 0.0 30.4



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: 53.868 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001860.D

Acq: 04 Mar 2020 17:42

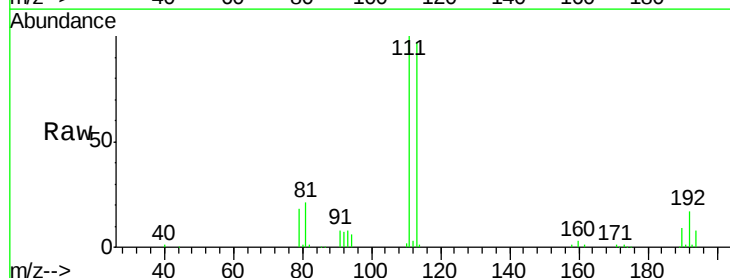
Tgt Ion:113 Resp: 80463

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

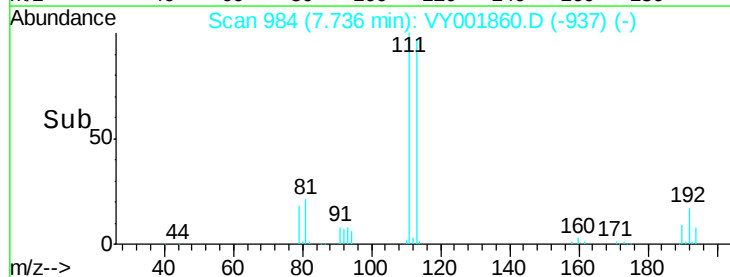
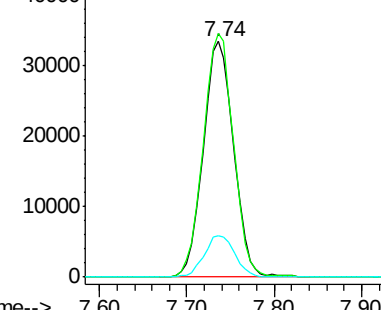
192 17.8 14.2 21.2

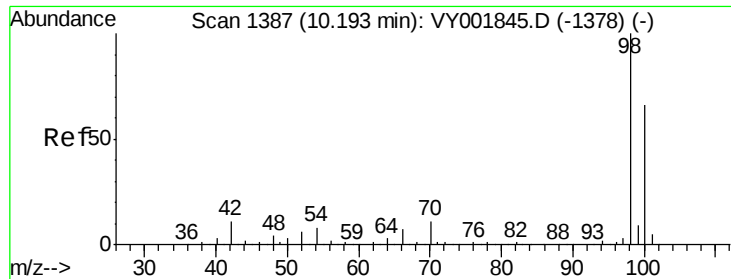


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.349 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001860.D

Acq: 04 Mar 2020 17:42

Instrument :

MSVOA\_Y

ClientSampled :

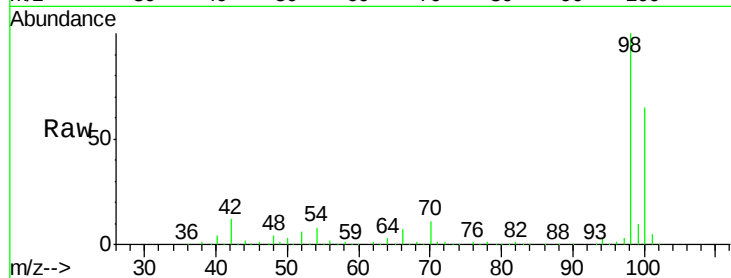
DN1

Tot Ion: 98 Resp: 329732

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

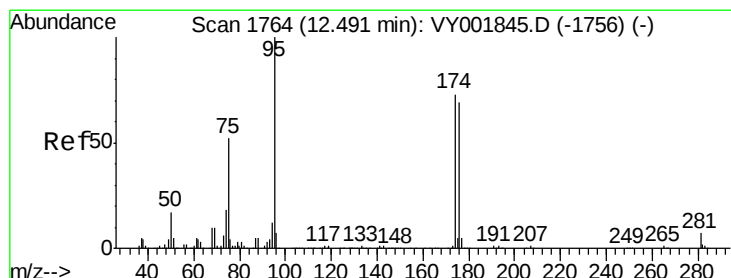
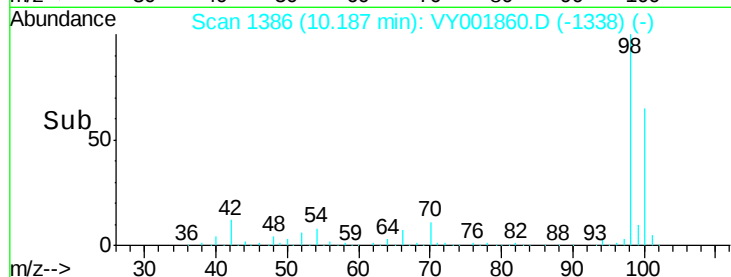
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.184 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001860.D

Acq: 04 Mar 2020 17:42

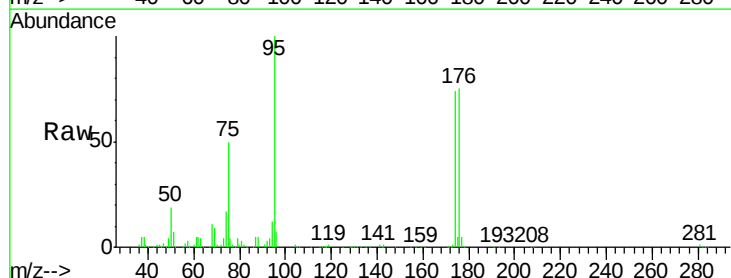
Tgt Ion: 95 Resp: 103339

Ion Ratio Lower Upper

95 100

174 73.5 0.0 145.0

176 71.3 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

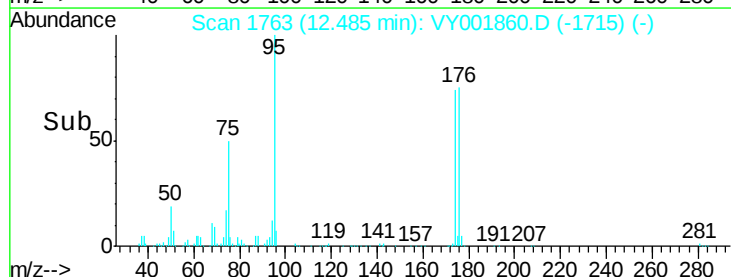
60000

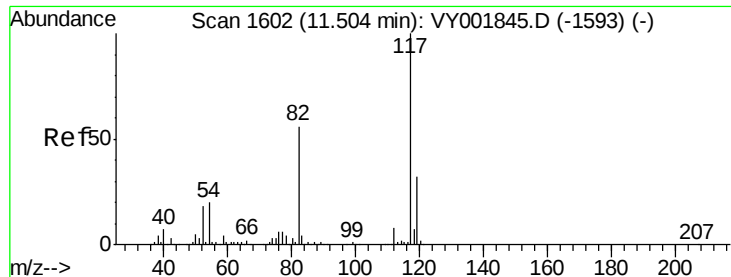
40000

20000

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Time-->

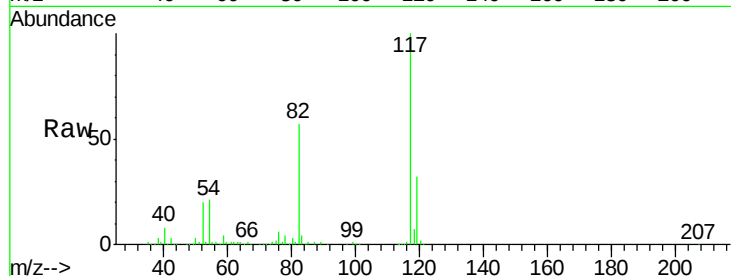




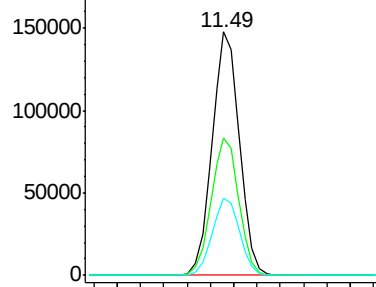
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.01 min  
Lab File: VY001860.D  
Acq: 04 Mar 2020 17:42

Instrument :  
MSVOA\_Y  
ClientSampleId :  
DN1

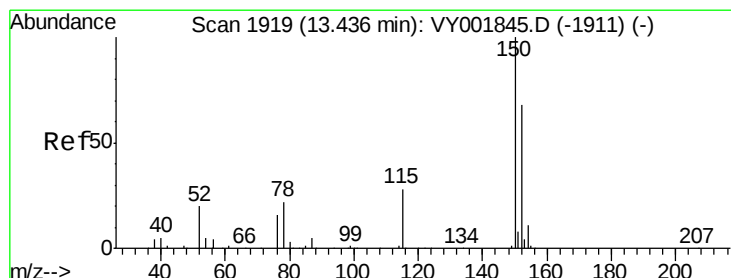
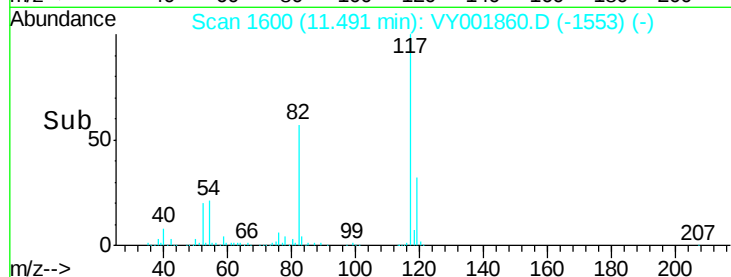
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.7  | 44.5  | 66.7  |
| 119     | 31.9  | 25.7  | 38.5  |



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

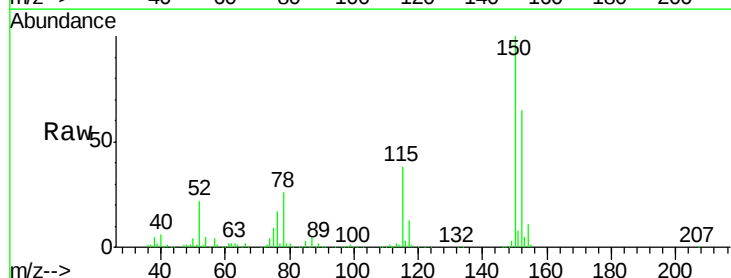


Time-->

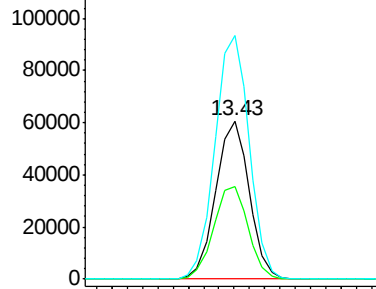


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.01 min  
Lab File: VY001860.D  
Acq: 04 Mar 2020 17:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.3  | 29.9  | 89.7  |
| 150     | 157.1 | 0.0   | 340.6 |



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



Time-->

