

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031220\  
 Data File : VY001963.D  
 Acq On : 12 Mar 2020 18:41  
 Operator : SY/MD  
 Sample : L1913-08  
 Misc : 6.08G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MK-031220-4-5-GRAB-B3

Quant Time: Mar 13 06:44:59 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      | 7.82  | 168  | 166010   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 319256   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 290219   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 132544   | 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   | 104174   | 58.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 117.56% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 93088    | 53.40 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.80% |          |
| 50) Toluene-d8              | 10.19 | 98   | 387875   | 52.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.52% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 137410   | 53.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 107.52% |          |

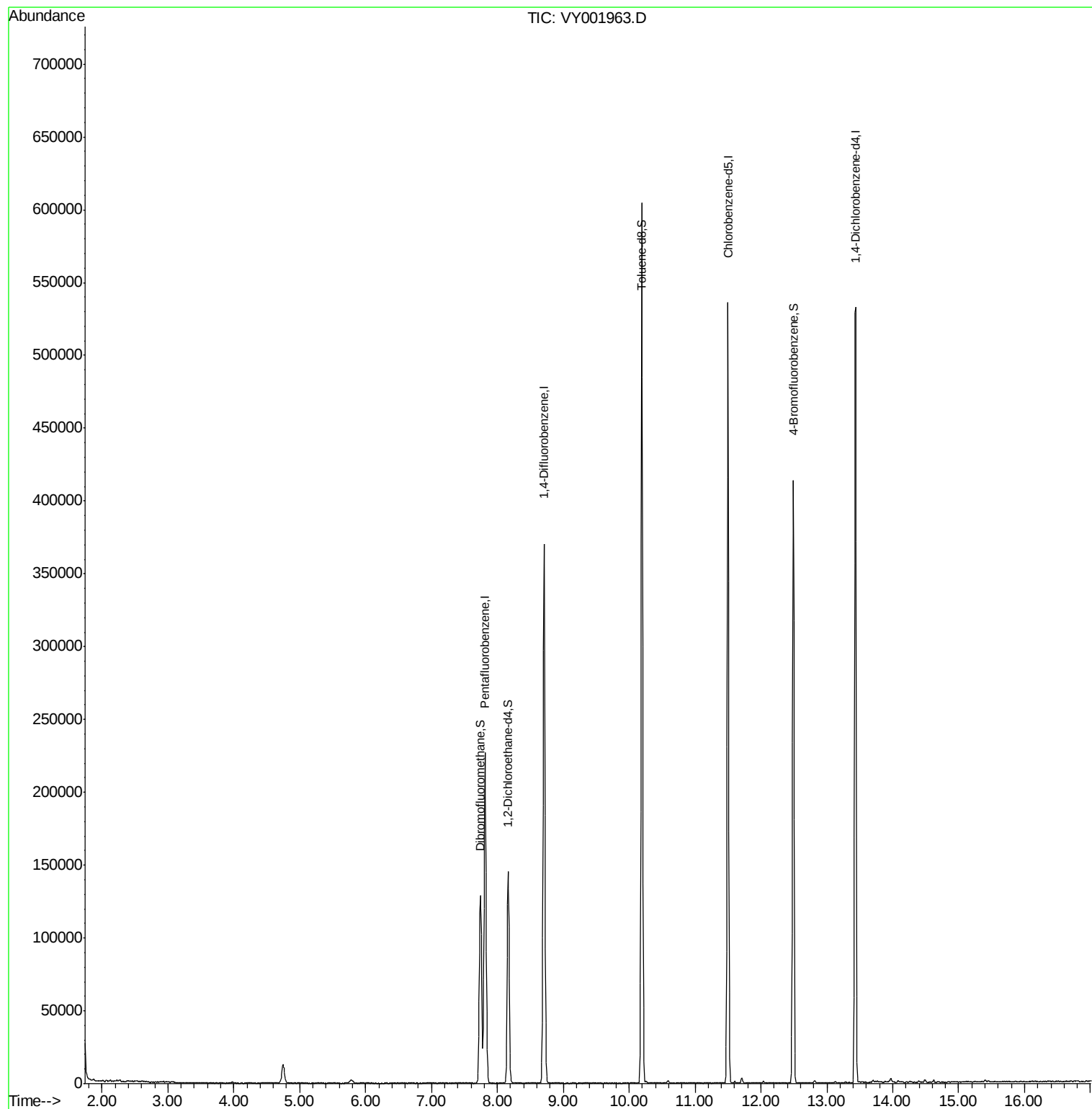
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : SW846 8260  
QLast Update : Thu Mar 05 04:05:33 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001963.D

Acq: 12 Mar 2020 18:41

Instrument :

MSVOA\_Y

ClientSampleId :

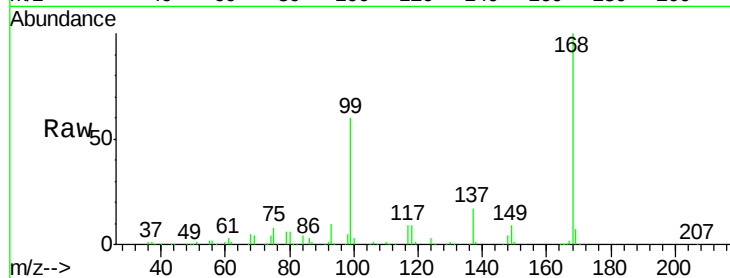
MK-031220-4-5-GRAB-B3

Tot Ion:168 Resp: 166010

Ion Ratio Lower Upper

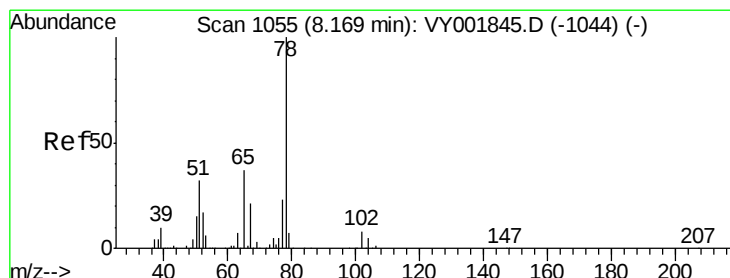
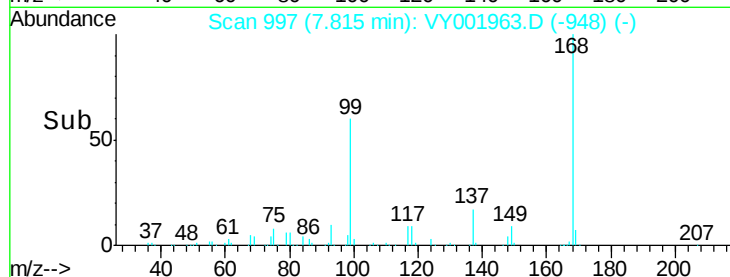
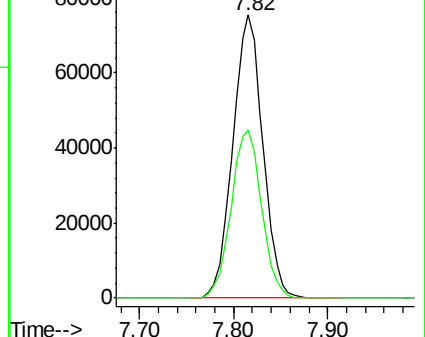
168 100

99 59.5 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: 58.780 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001963.D

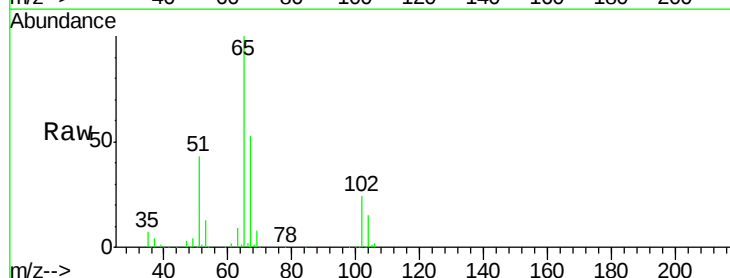
Acq: 12 Mar 2020 18:41

Tgt Ion: 65 Resp: 104174

Ion Ratio Lower Upper

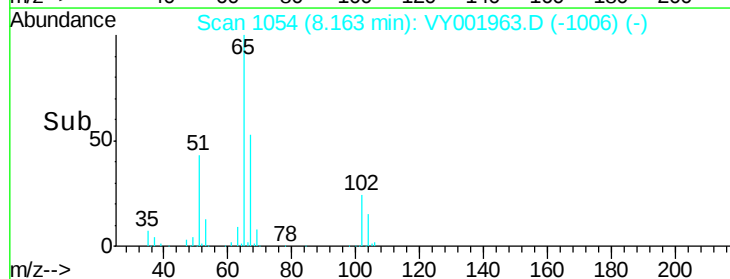
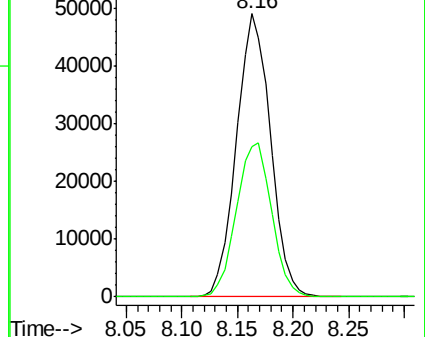
65 100

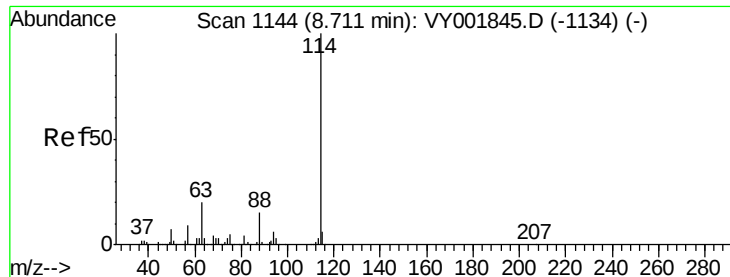
67 56.2 0.0 110.8



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

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

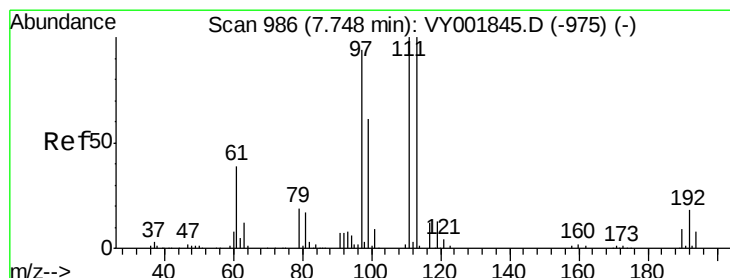
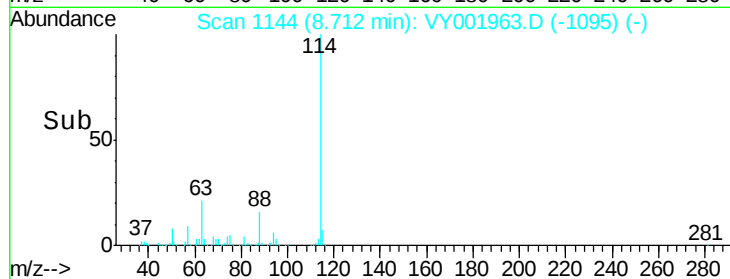
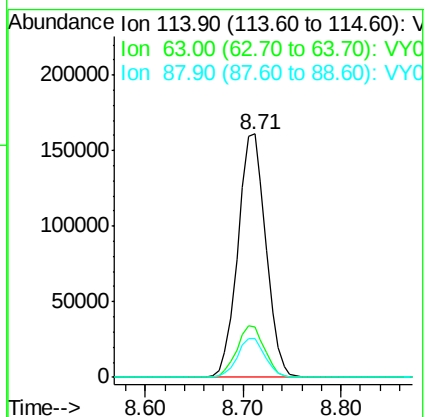
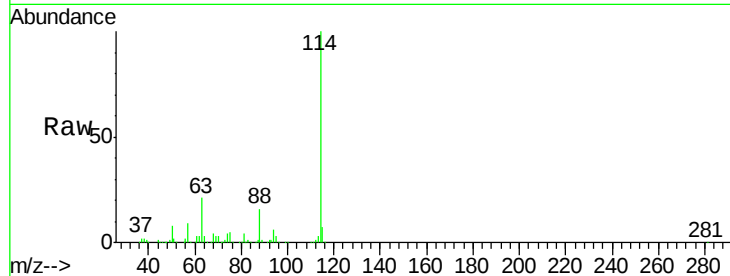




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.00 min  
 Lab File: VY001963.D  
 Acq: 12 Mar 2020 18:41

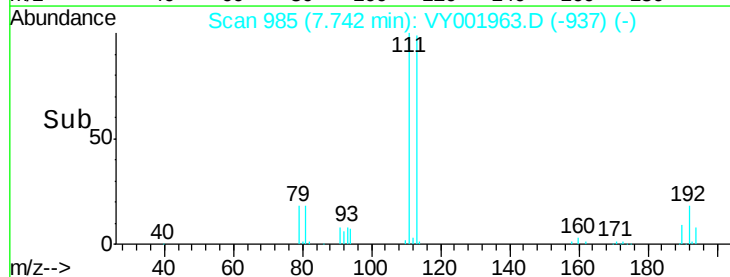
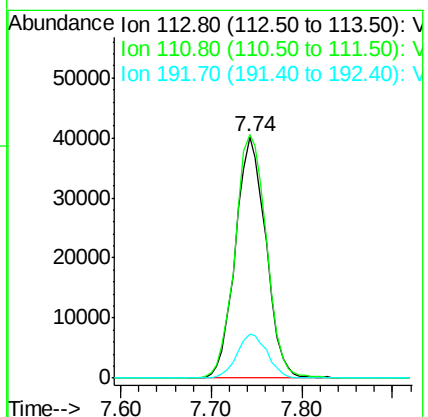
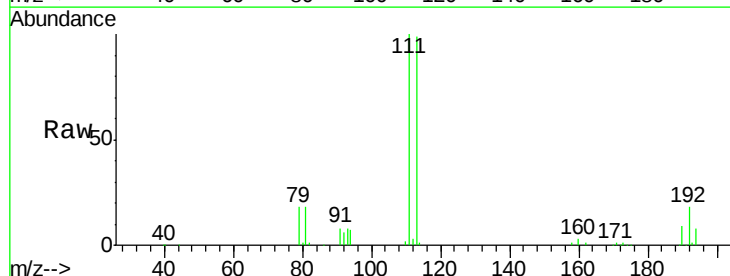
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 MK-031220-4-5-GRAB-B3

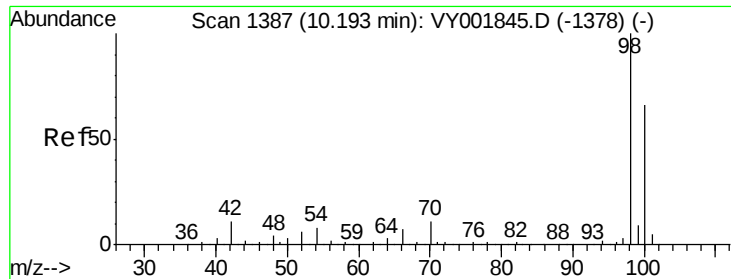
Tot Ion:114 Resp: 319256  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 39.4  
 88 16.0 0.0 30.4



#35  
 Dibromofluoromethane  
 Concen: 53.398 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: VY001963.D  
 Acq: 12 Mar 2020 18:41

Tgt Ion:113 Resp: 93088  
 Ion Ratio Lower Upper  
 113 100  
 111 104.7 81.8 122.8  
 192 18.2 14.2 21.2





#50

Toluene-d8

Concen: 52.764 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001963.D

Acq: 12 Mar 2020 18:41

Instrument :

MSVOA\_Y

ClientSampleId :

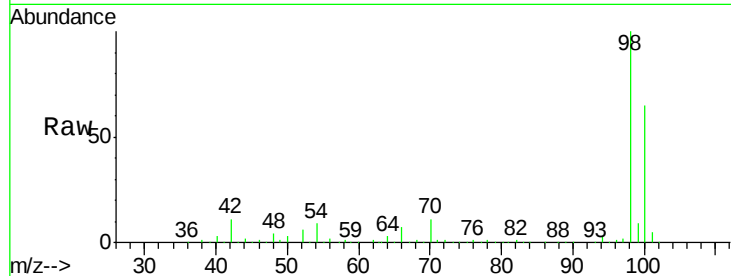
MK-031220-4-5-GRAB-B3

Tot Ion: 98 Resp: 387875

Ion Ratio Lower Upper

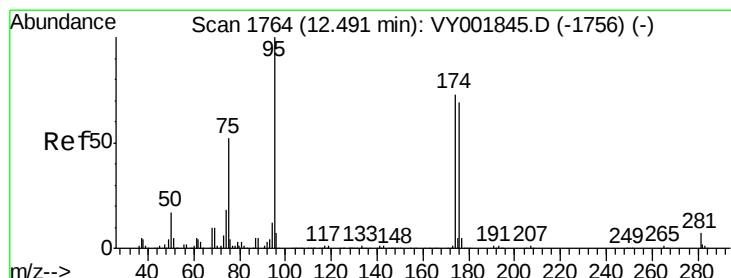
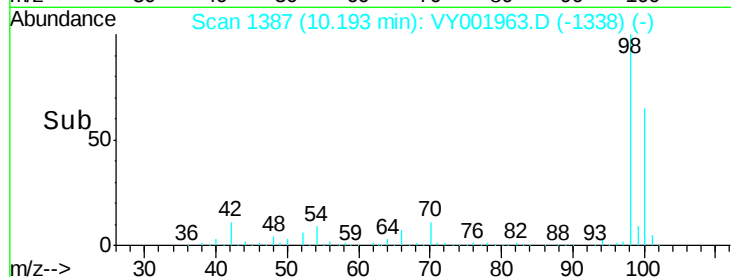
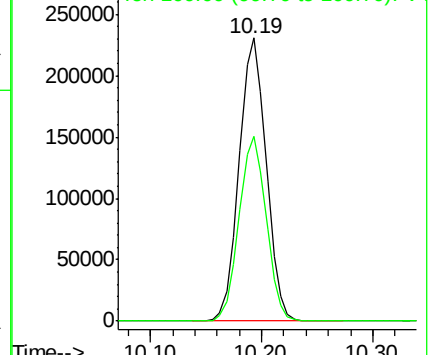
98 100

100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#62

4-Bromofluorobenzene

Concen: 53.758 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001963.D

Acq: 12 Mar 2020 18:41

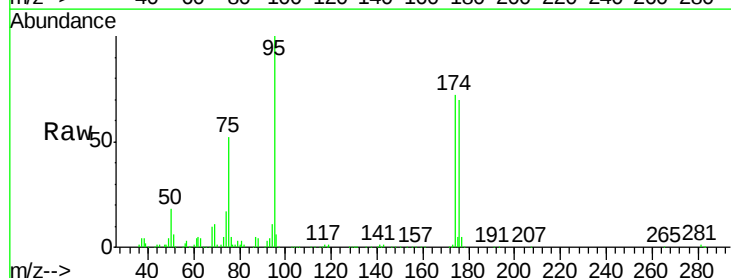
Tgt Ion: 95 Resp: 137410

Ion Ratio Lower Upper

95 100

174 71.1 0.0 145.0

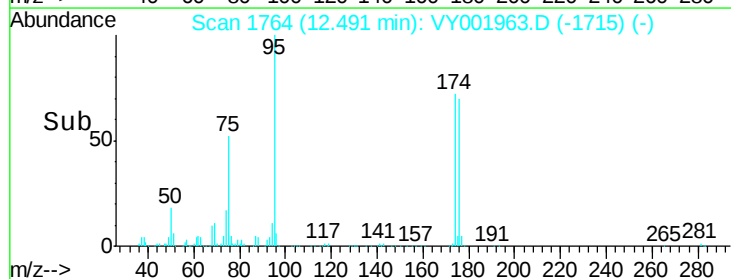
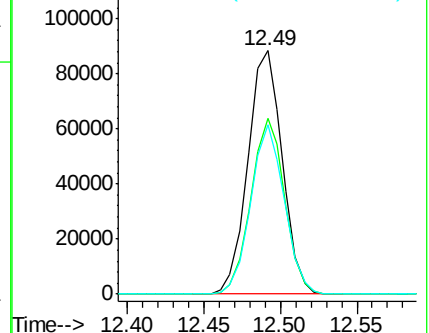
176 68.0 0.0 137.4

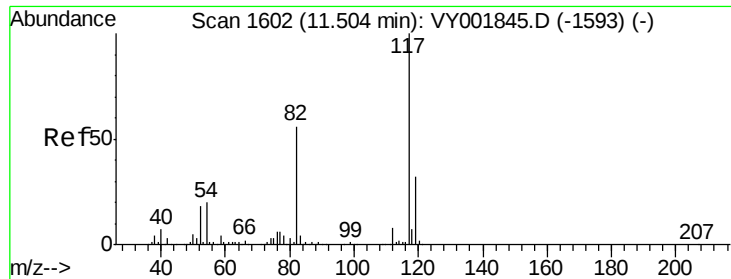


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

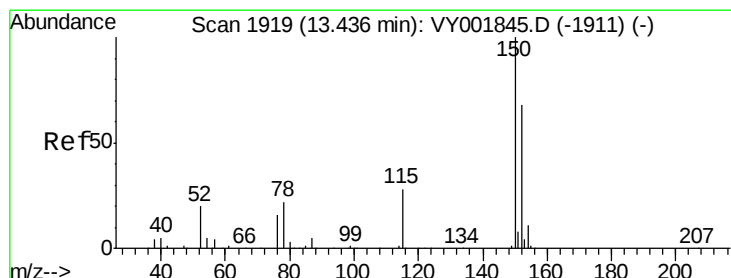
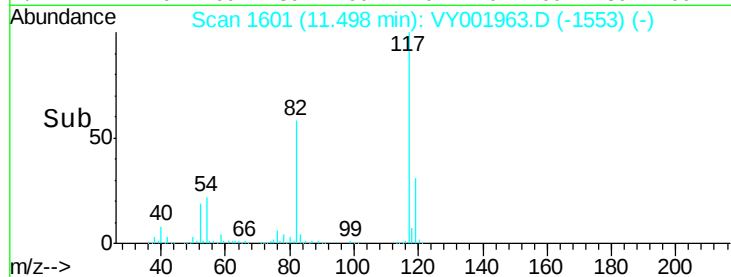
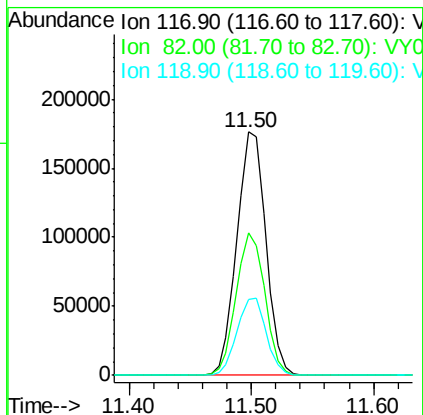
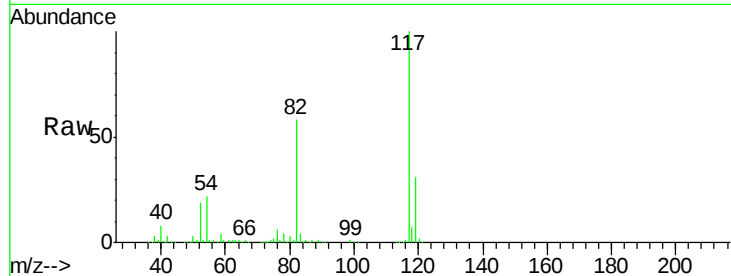




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001963.D  
Acq: 12 Mar 2020 18:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
MK-031220-4-5-GRAB-B3

Tot Ion:117 Resp: 290219  
Ion Ratio Lower Upper  
117 100  
82 58.3 44.5 66.7  
119 31.4 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.00 min  
Lab File: VY001963.D  
Acq: 12 Mar 2020 18:41

Tgt Ion:152 Resp: 132544  
Ion Ratio Lower Upper  
152 100  
115 61.5 29.9 89.7  
150 156.0 0.0 340.6

