

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120419\  
 Data File : VY000865.D  
 Acq On : 04 Dec 2019 16:22  
 Operator : SY/MD  
 Sample : K6141-04  
 Misc : 14.90G/5ML/MSVOA Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CMJ-01-COMP

Quant Time: Dec 05 08:21:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 27 12:40:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.80  | 168  | 216269   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.69  | 114  | 412126   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.49 | 117  | 367455   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 168592   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 139067   | 60.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 121.04% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 122752   | 51.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.22% |          |
| 50) Toluene-d8              | 10.18 | 98   | 493800   | 51.42 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 102.84% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 165109   | 45.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.56%  |          |

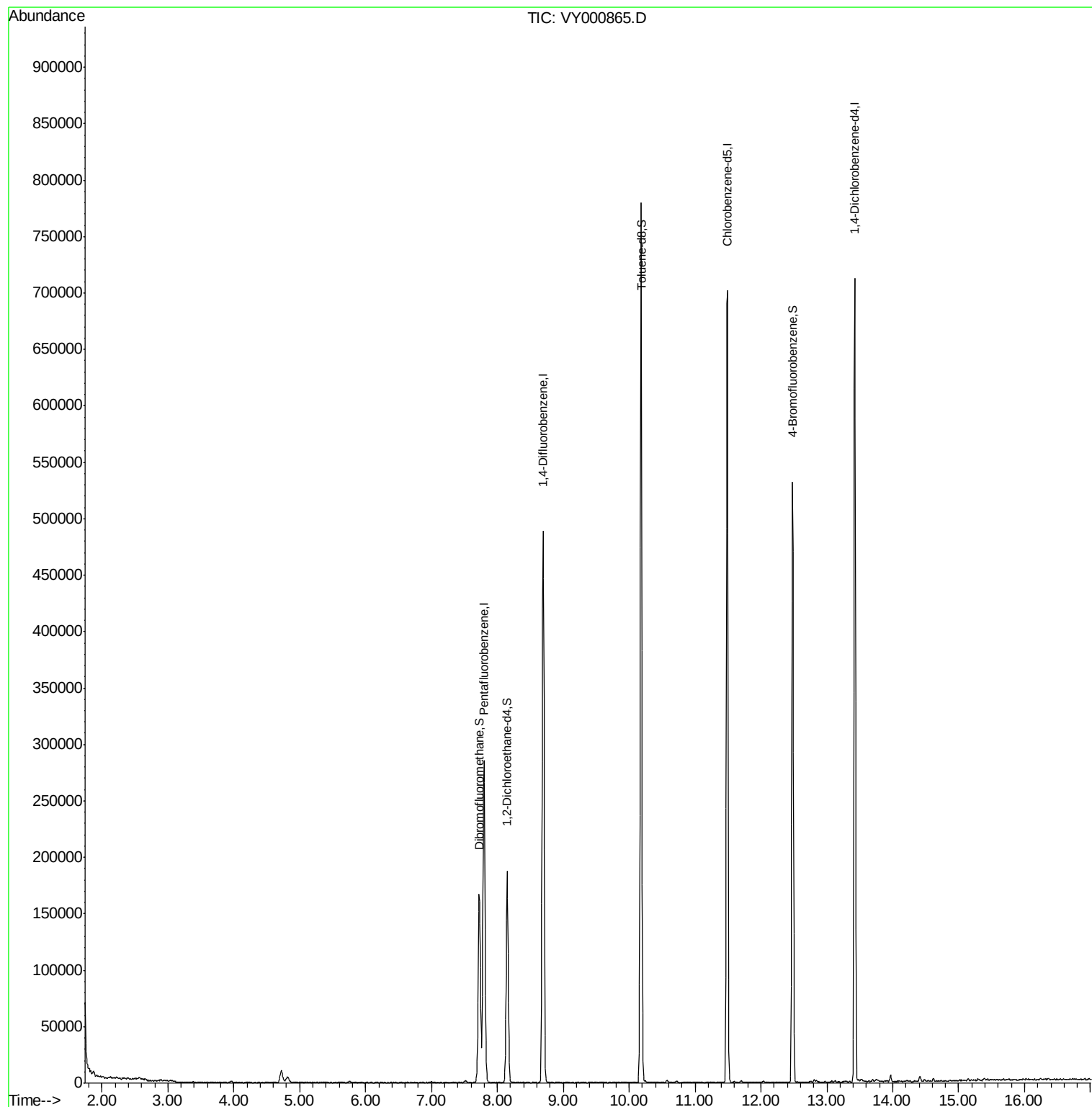
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

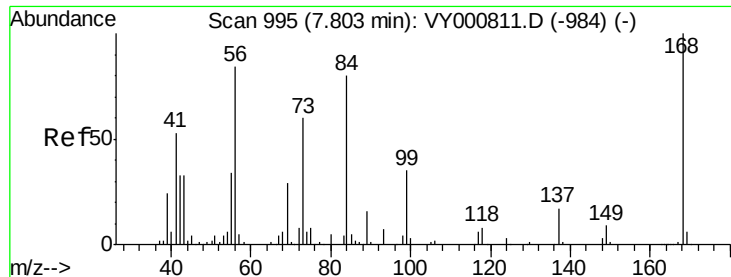
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120419\  
Data File : VY000865.D  
Acq On : 04 Dec 2019 16:22  
Operator : SY/MD  
Sample : K6141-04  
Misc : 14.90G/5ML/MSVOA Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CMJ-01-COMP

Quant Time: Dec 05 08:21:29 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000865.D

Acq: 04 Dec 2019 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

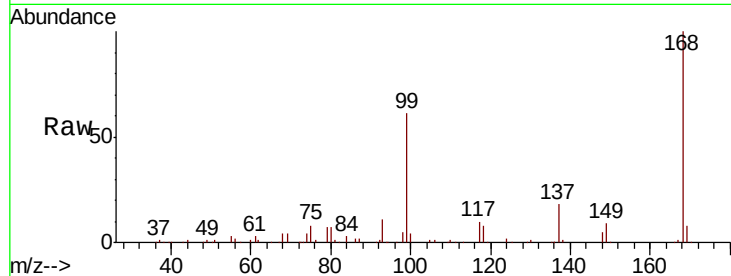
CMJ-01-COMP

Tot Ion:168 Resp: 216269

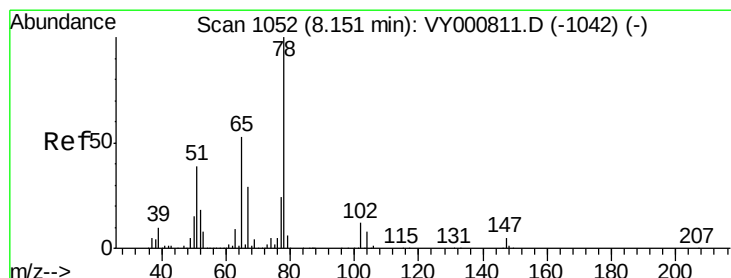
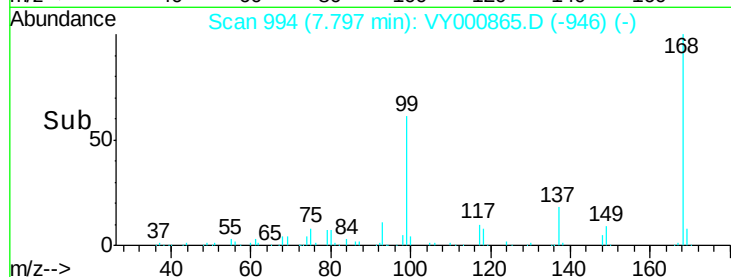
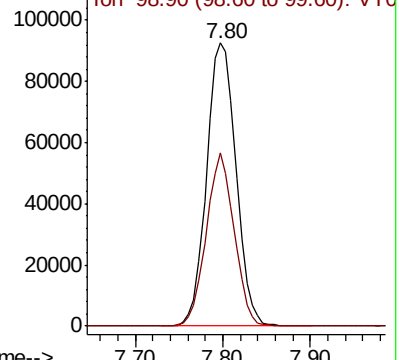
Ion Ratio Lower Upper

168 100

99 61.0 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000865.D (-946) (-)



#33

1,2-Dichloroethane-d4

Concen: 60.515 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000865.D

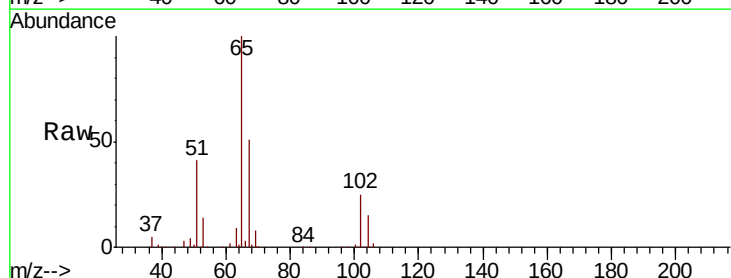
Acq: 04 Dec 2019 16:22

Tgt Ion: 65 Resp: 139067

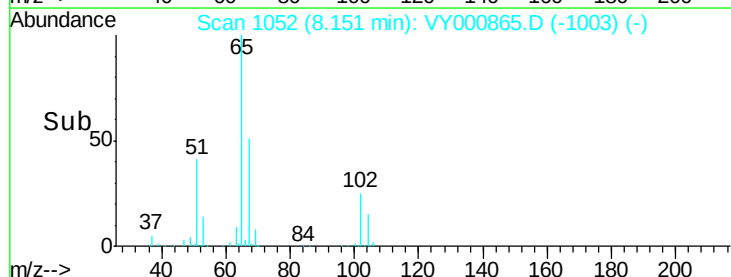
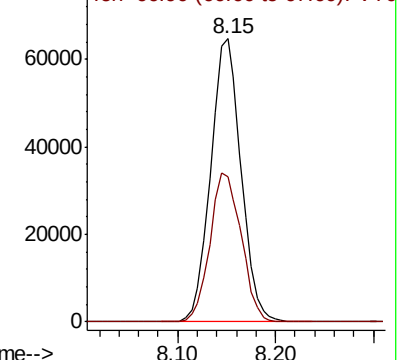
Ion Ratio Lower Upper

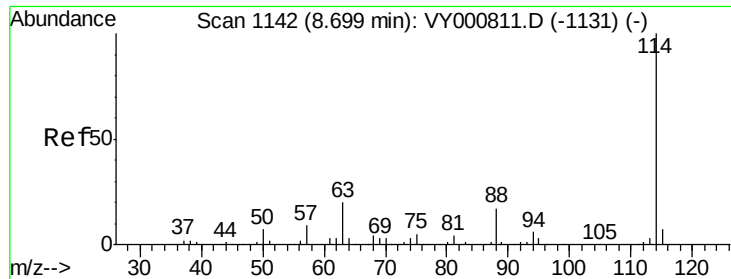
65 100

67 54.1 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY000865.D (-1003) (-)

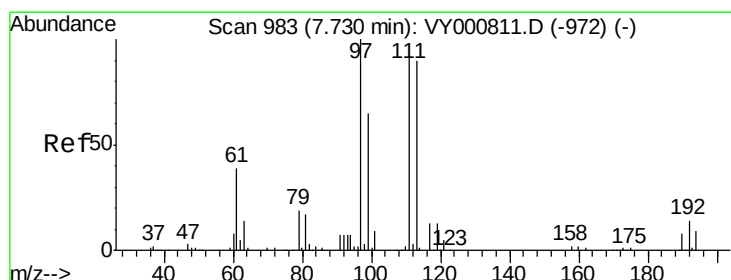
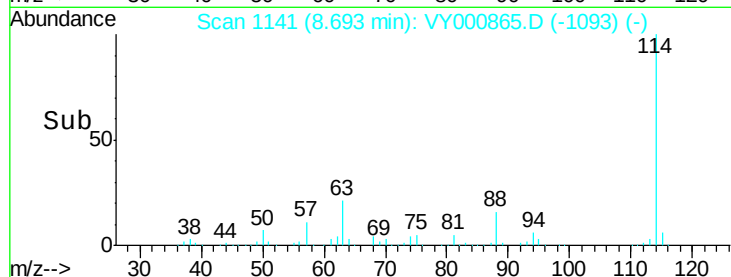
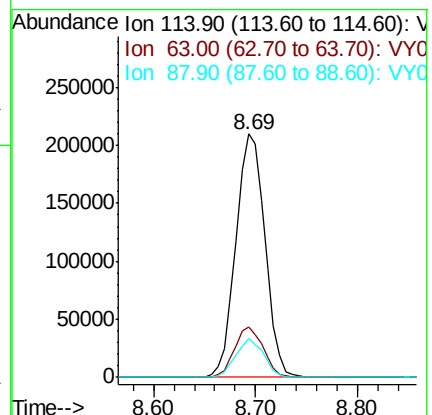
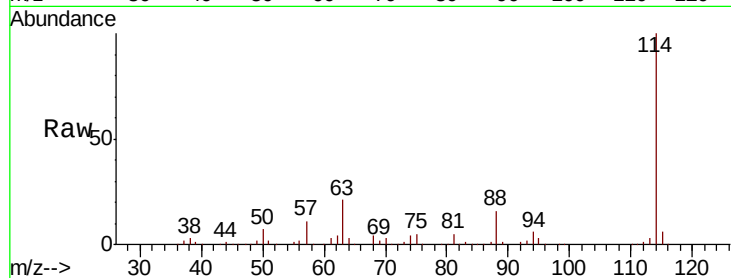




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY000865.D  
 Acq: 04 Dec 2019 16:22

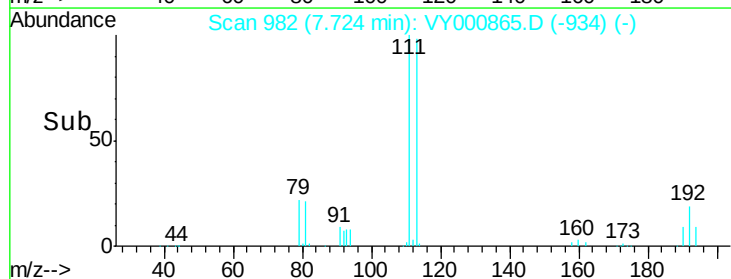
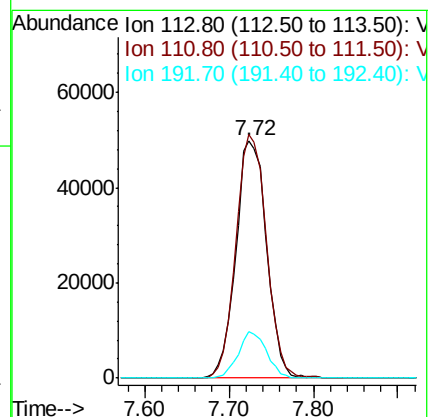
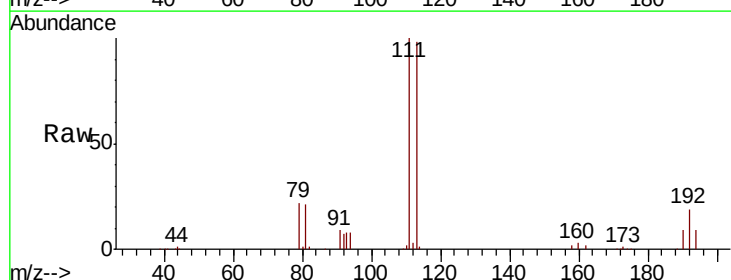
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CMJ-01-COMP

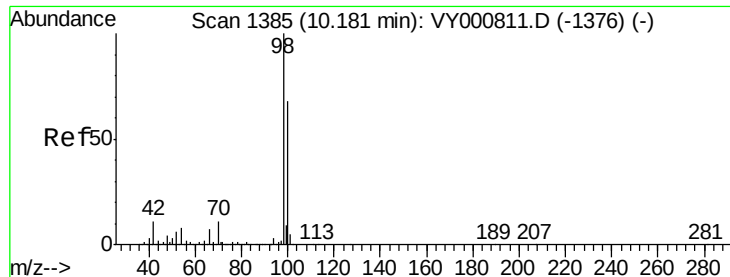
Tot Ion:114 Resp: 412126  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 39.8  
 88 15.7 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 51.107 ug/l  
 RT: 7.72 min Scan# 982  
 Delta R.T. -0.01 min  
 Lab File: VY000865.D  
 Acq: 04 Dec 2019 16:22

Tgt Ion:113 Resp: 122752  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 82.4 123.6  
 192 18.1 14.2 21.2





#50

Toluene-d8

Concen: 51.424 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000865.D

Acq: 04 Dec 2019 16:22

Instrument :

MSVOA\_Y

ClientSampleId :

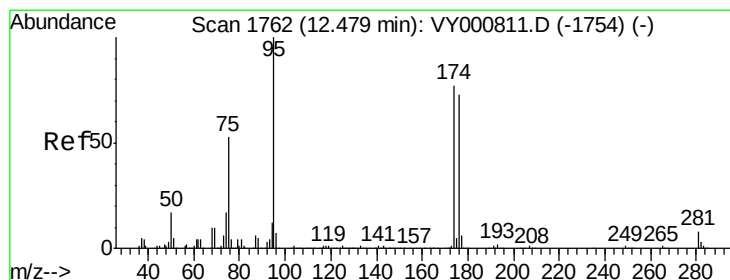
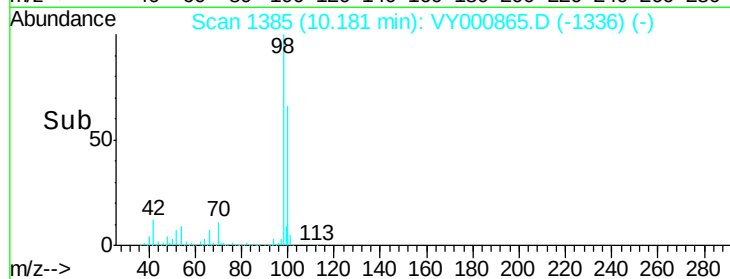
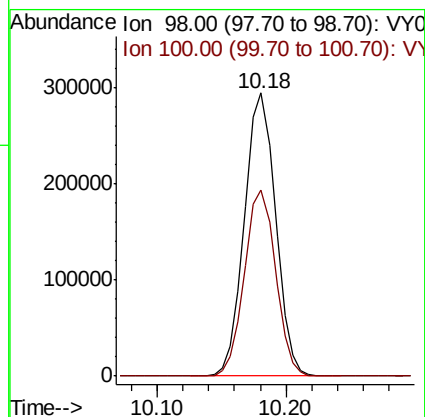
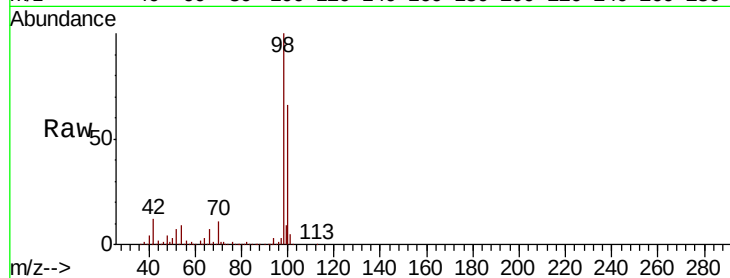
CMJ-01-COMP

Tot Ion: 98 Resp: 493800

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.784 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000865.D

Acq: 04 Dec 2019 16:22

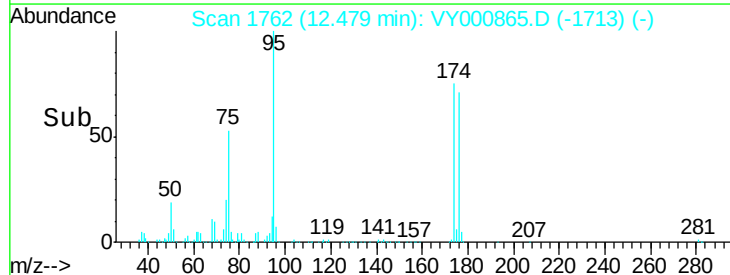
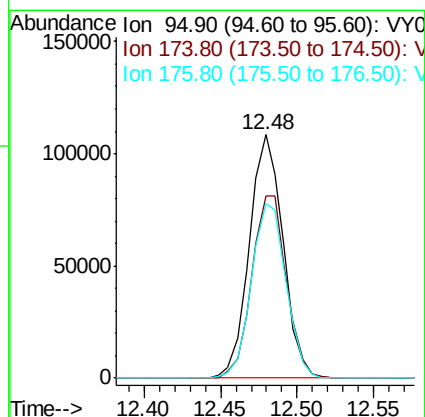
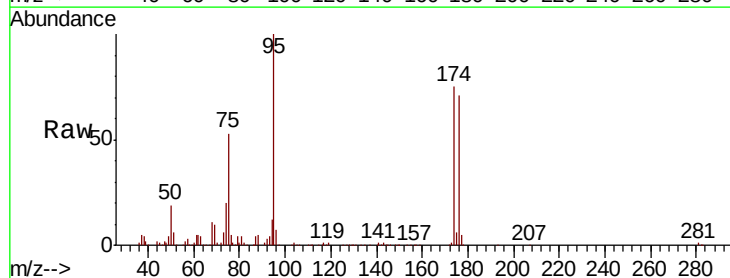
Tgt Ion: 95 Resp: 165109

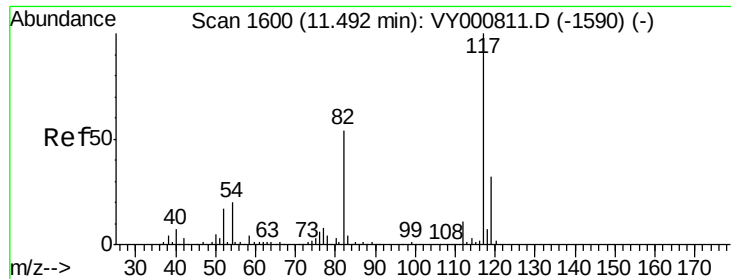
Ion Ratio Lower Upper

95 100

174 77.4 0.0 150.6

176 74.1 0.0 145.2

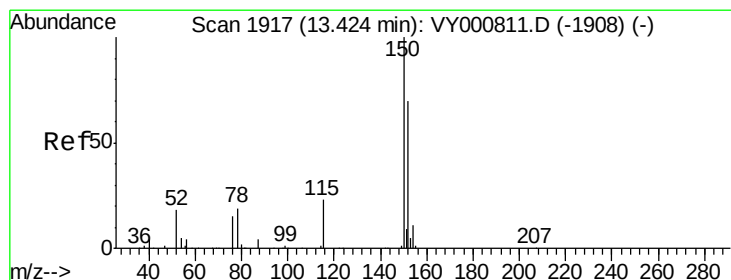
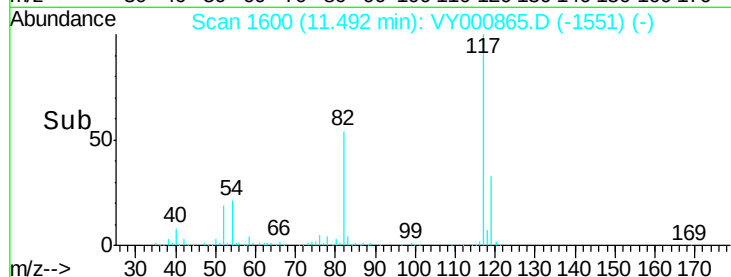
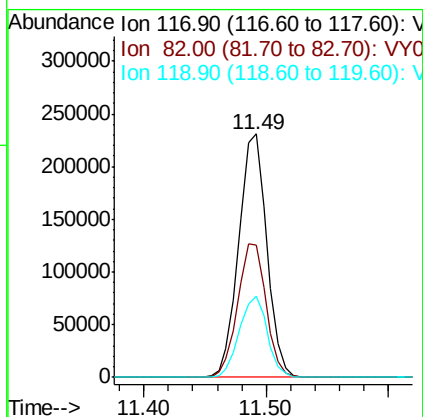
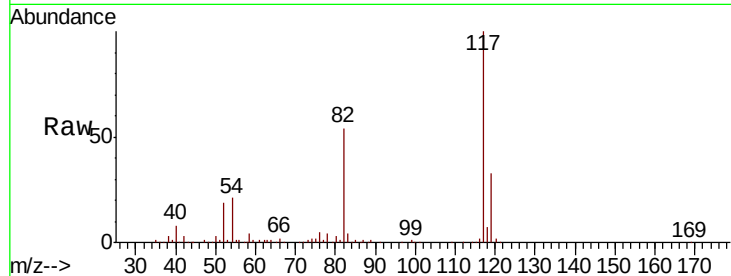




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1600  
Delta R.T. -0.00 min  
Lab File: VY000865.D  
Acq: 04 Dec 2019 16:22

Instrument :  
MSVOA\_Y  
ClientSampleId :  
CMJ-01-COMP

Tot Ion:117 Resp: 367455  
Ion Ratio Lower Upper  
117 100  
82 54.3 43.1 64.7  
119 33.1 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.42 min Scan# 1917  
Delta R.T. -0.00 min  
Lab File: VY000865.D  
Acq: 04 Dec 2019 16:22

Tgt Ion:152 Resp: 168592  
Ion Ratio Lower Upper  
152 100  
115 60.3 29.3 87.8  
150 156.3 0.0 351.2

