

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\  
 Data File : VY002130.D  
 Acq On : 31 Mar 2020 14:07  
 Operator : SY/MD  
 Sample : L2055-07  
 Misc : 8.54G/5ML/MSVOA Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-9-(1-3)

Quant Time: Mar 31 18:32:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y032620S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 07:11:05 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.82  | 168  | 125169   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.71  | 114  | 249380   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.50 | 117  | 219692   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 79449    | 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   | 80996    | 58.54  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 117.08% |          |
| 35) Dibromofluoromethane    | 7.74  | 113  | 73679    | 52.73  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 105.46% |          |
| 50) Toluene-d8              | 10.19 | 98   | 302056   | 52.04  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 104.08% |          |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 92706    | 45.67  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 91.34%  |          |

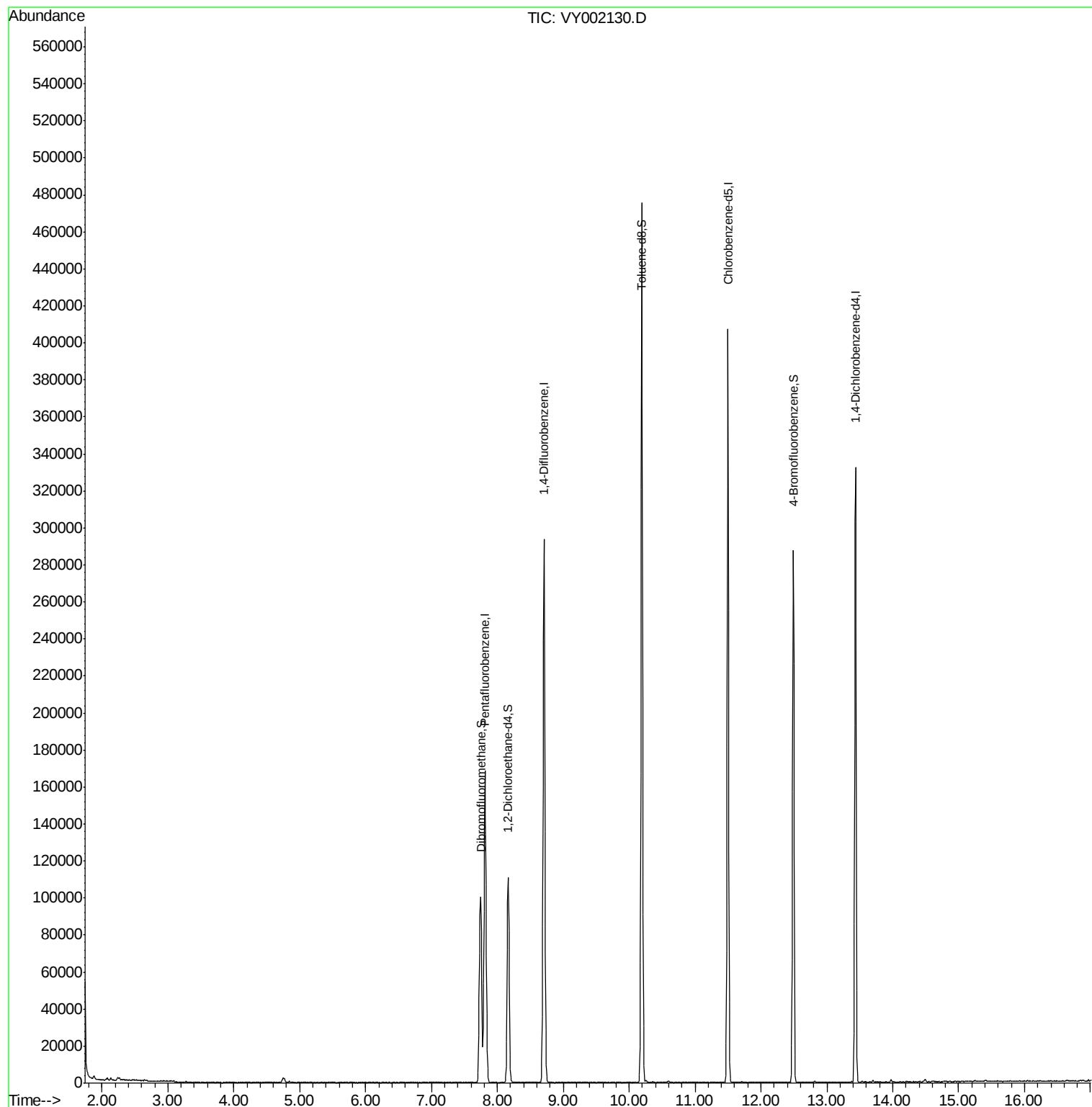
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

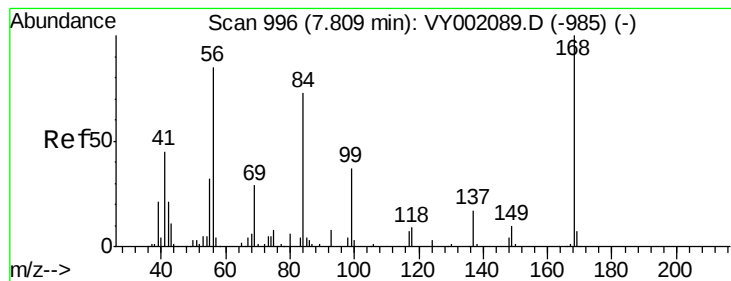
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY033120\  
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Quant Title : SW846 8260  
QLast Update : Fri Mar 27 07:11:05 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002130.D

Acq: 31 Mar 2020 14:07

Instrument :

MSVOA\_Y

ClientSampleId :

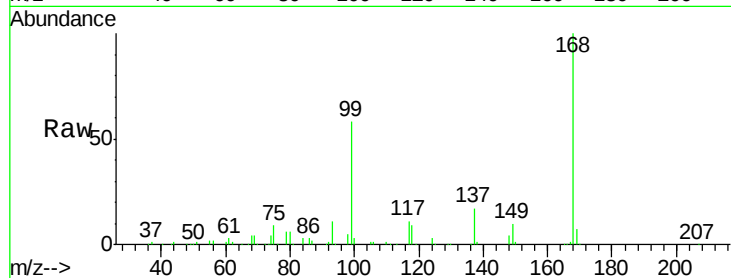
SB-9-(1-3)

Tot Ion:168 Resp: 125169

Ion Ratio Lower Upper

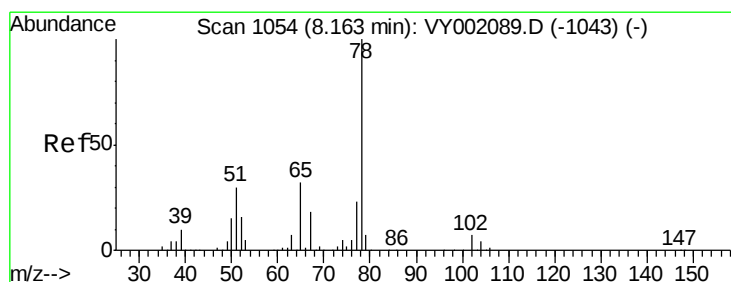
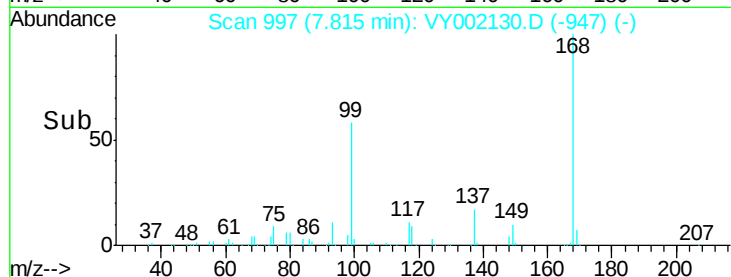
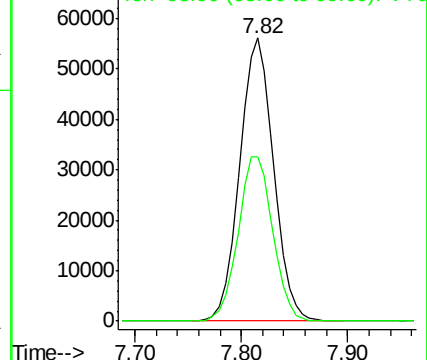
168 100

99 57.9 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 58.535 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002130.D

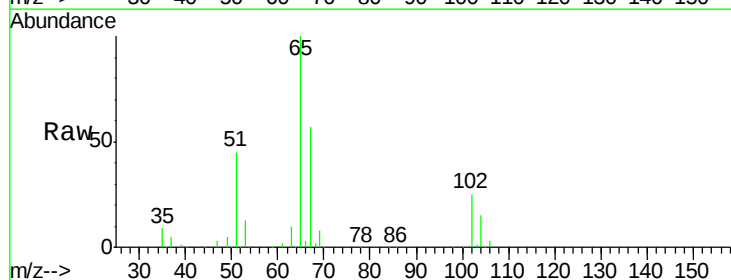
Acq: 31 Mar 2020 14:07

Tgt Ion: 65 Resp: 80996

Ion Ratio Lower Upper

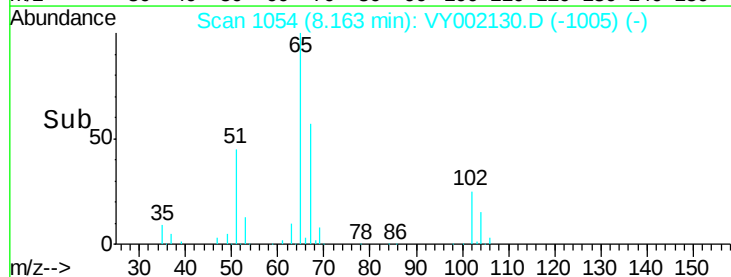
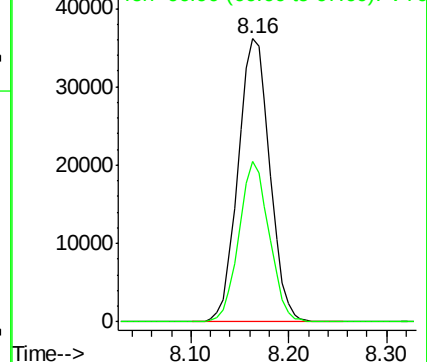
65 100

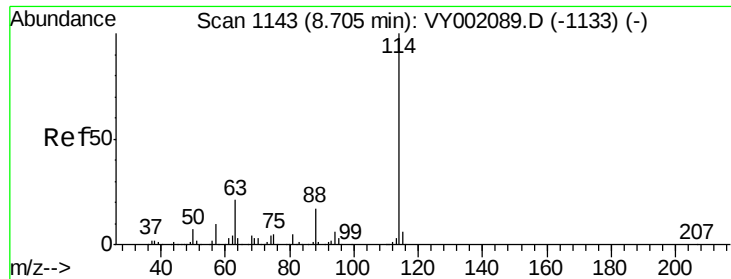
67 54.3 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

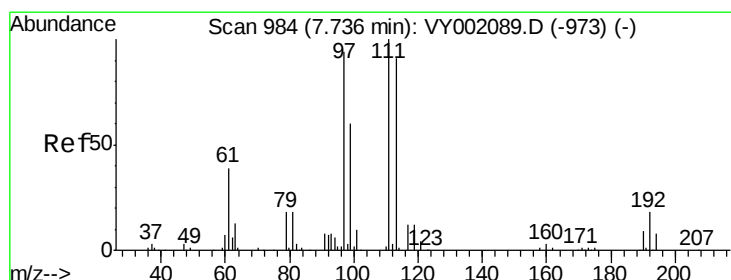
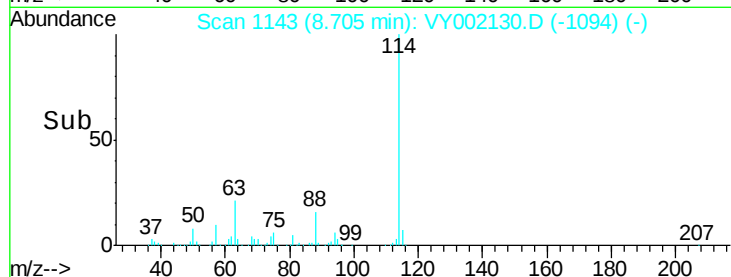
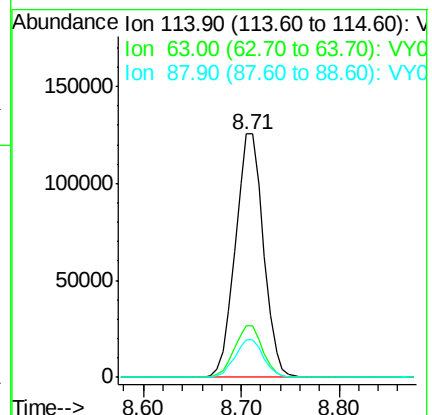
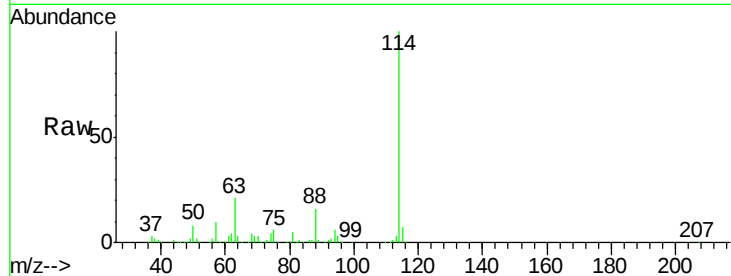




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. 0.00 min  
 Lab File: VY002130.D  
 Acq: 31 Mar 2020 14:07

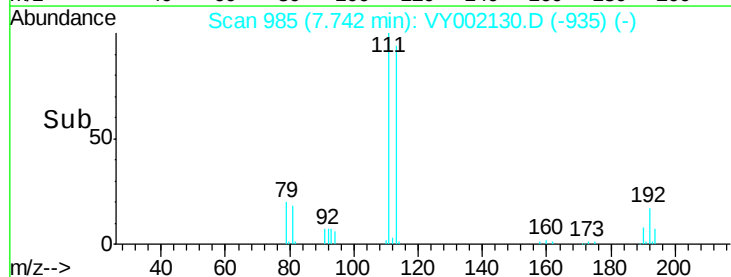
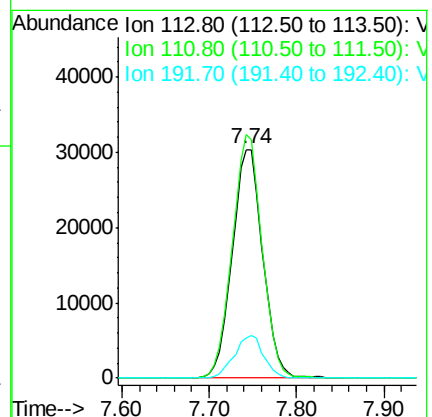
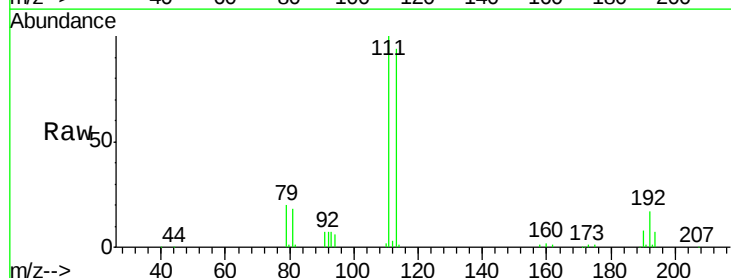
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-9-(1-3)

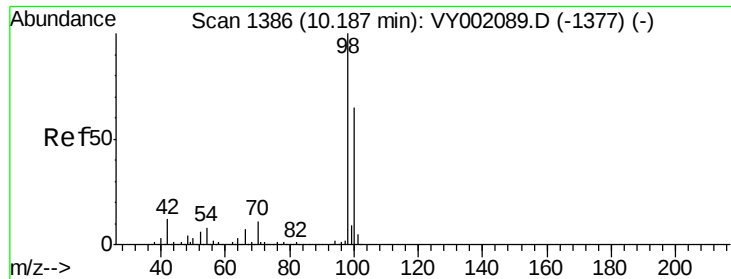
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.5  | 0.0   | 41.4  |
| 88      | 15.6  | 0.0   | 33.0  |



#35  
 Dibromofluoromethane  
 Concen: 52.729 ug/l  
 RT: 7.74 min Scan# 985  
 Delta R.T. 0.01 min  
 Lab File: VY002130.D  
 Acq: 31 Mar 2020 14:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.9 | 84.4  | 126.6 |
| 192     | 18.0  | 14.6  | 21.8  |





#50

Toluene-d8

Concen: 52.036 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002130.D

Acq: 31 Mar 2020 14:07

Instrument :

MSVOA\_Y

ClientSampleId :

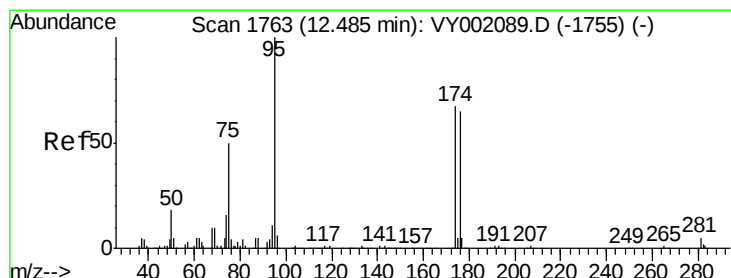
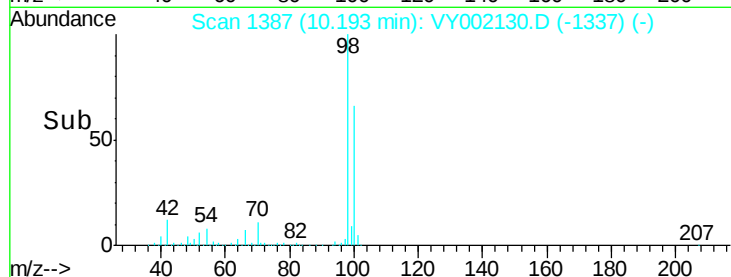
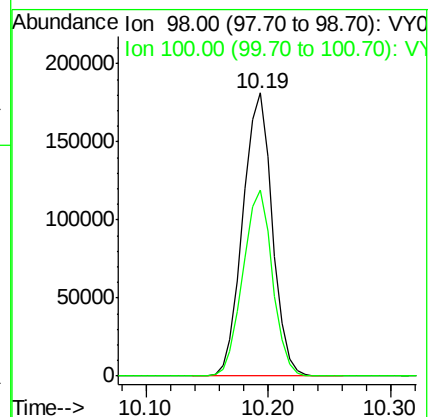
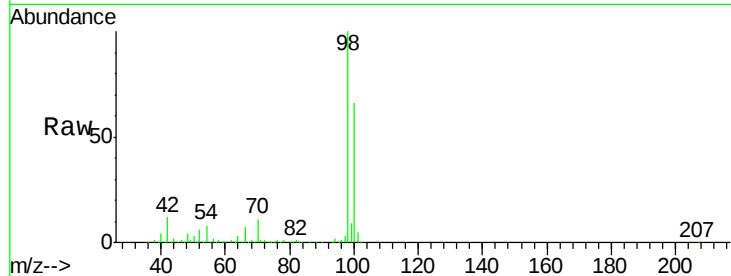
SB-9-(1-3)

Tot Ion: 98 Resp: 302056

Ion Ratio Lower Upper

98 100

100 65.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 45.665 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002130.D

Acq: 31 Mar 2020 14:07

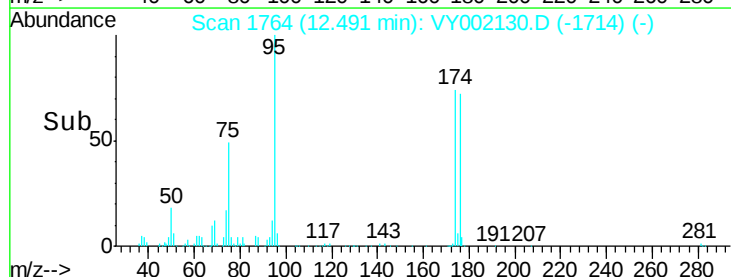
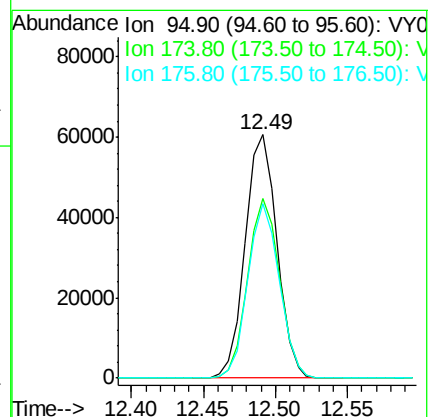
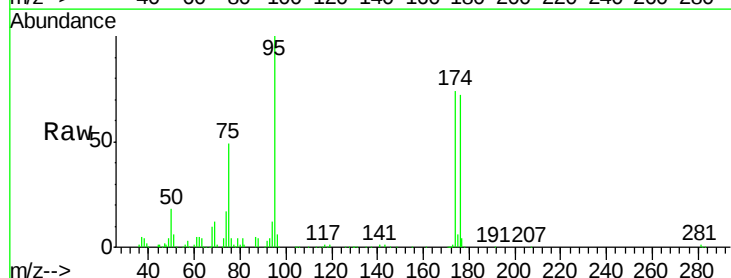
Tgt Ion: 95 Resp: 92706

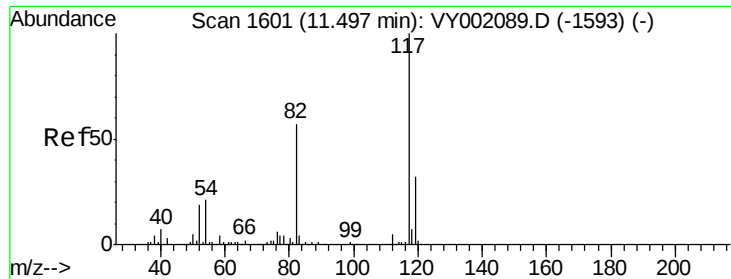
Ion Ratio Lower Upper

95 100

174 73.5 0.0 143.4

176 70.8 0.0 137.0

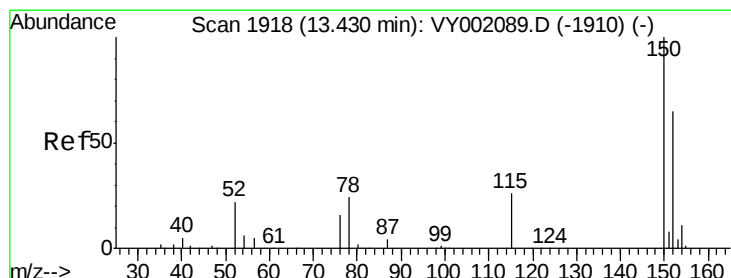
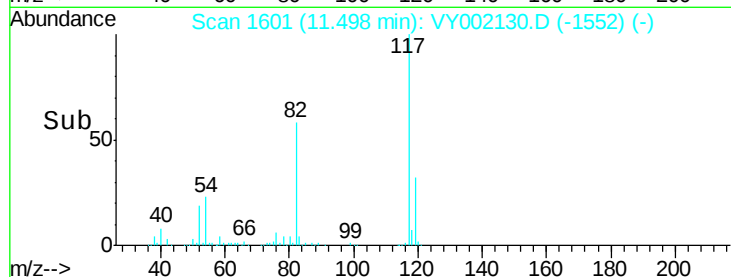
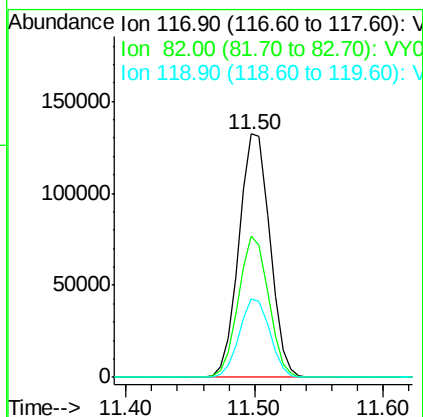
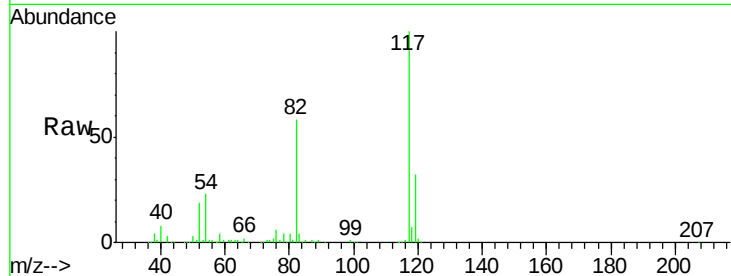




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. 0.00 min  
Lab File: VY002130.D  
Acq: 31 Mar 2020 14:07

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-9-(1-3)

Tot Ion:117 Resp: 219692  
Ion Ratio Lower Upper  
117 100  
82 57.9 45.4 68.2  
119 32.3 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1919  
Delta R.T. 0.01 min  
Lab File: VY002130.D  
Acq: 31 Mar 2020 14:07

Tgt Ion:152 Resp: 79449  
Ion Ratio Lower Upper  
152 100  
115 62.0 31.2 93.6  
150 157.3 0.0 354.8

