

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030220\  
 Data File : VY001820.D  
 Acq On : 02 Mar 2020 15:05  
 Operator : SY/MD  
 Sample : L1743-15  
 Misc : 8.17G/5ML/MSVOA Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 G-1

Quant Time: Mar 12 11:53:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y021720S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 17 12:19:53 2020  
 Response via : Initial Calibration

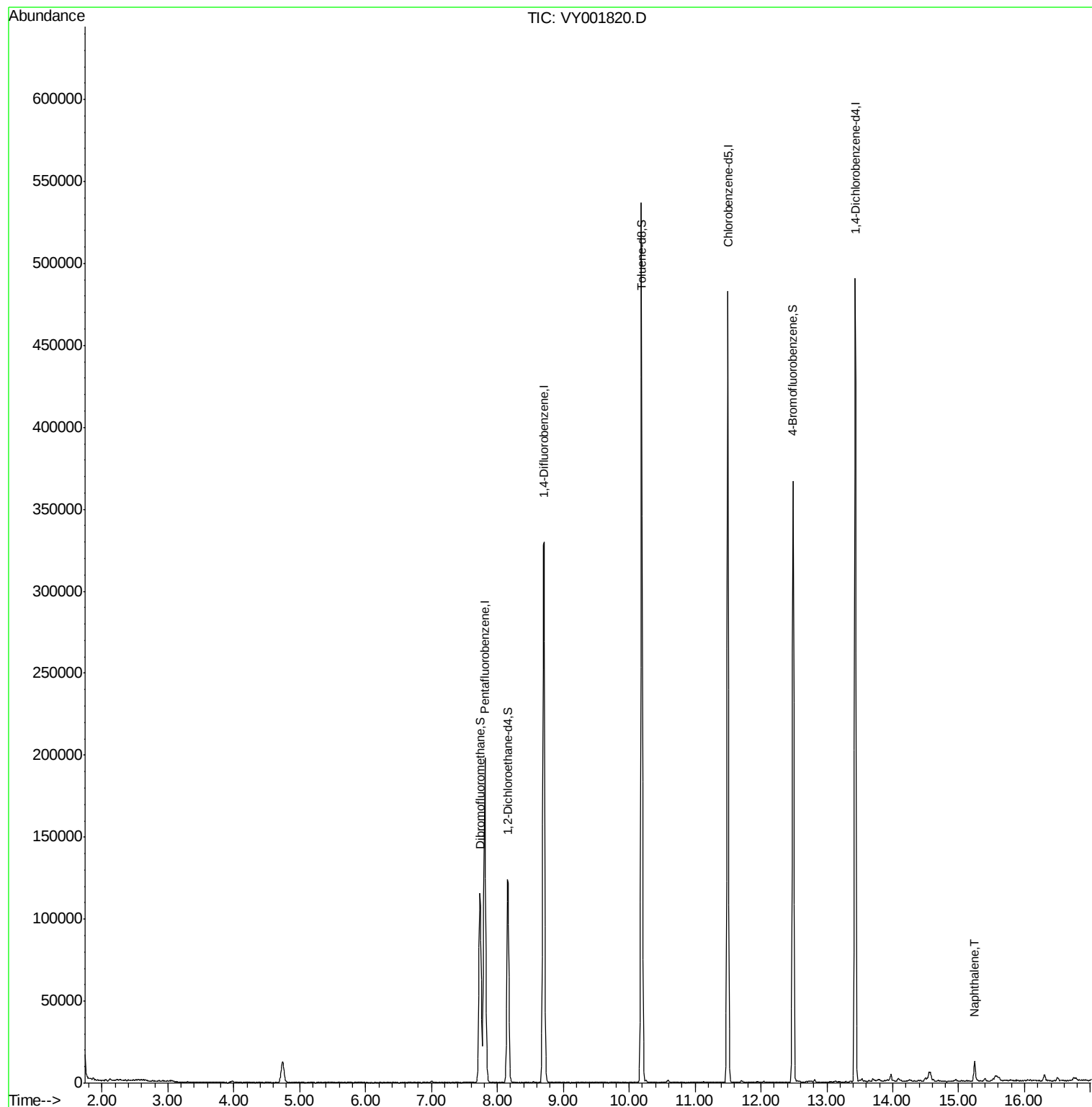
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.81  | 168  | 147459   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 285625   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 258861   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.43 | 152  | 116702   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.16  | 65   | 92393    | 58.25 | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 116.50% |           |
| 35) Dibromofluoromethane    | 7.74  | 113  | 83371    | 50.96 | ug/l    | -0.01     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.92% |           |
| 50) Toluene-d8              | 10.19 | 98   | 347374   | 54.20 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.40% |           |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 117950   | 47.37 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.74%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 95) Naphthalene             | 15.25 | 128  | 7983     | 1.515 | ug/l    | Qvalue 97 |

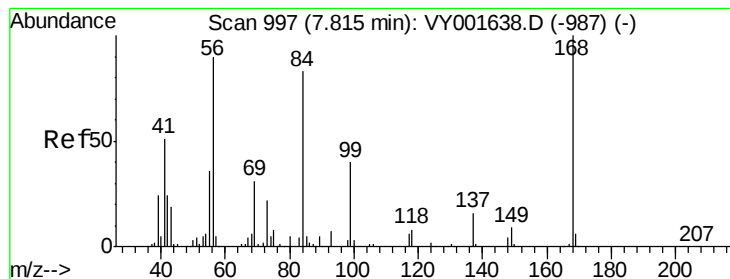
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Mon Feb 17 12:19:53 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: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA\_Y

ClientSampled :

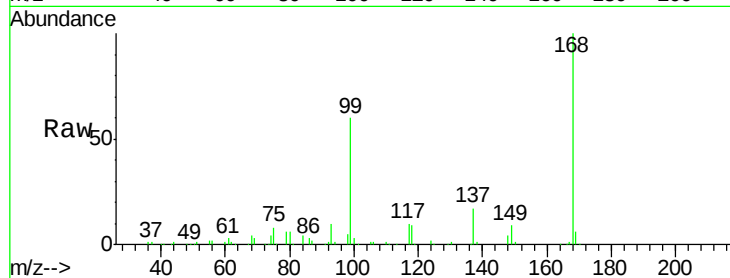
G-1

Tot Ion:168 Resp: 147459

Ion Ratio Lower Upper

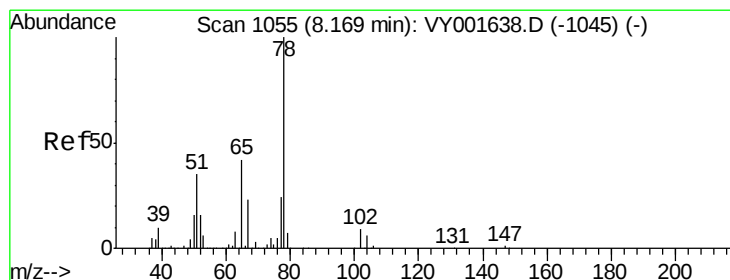
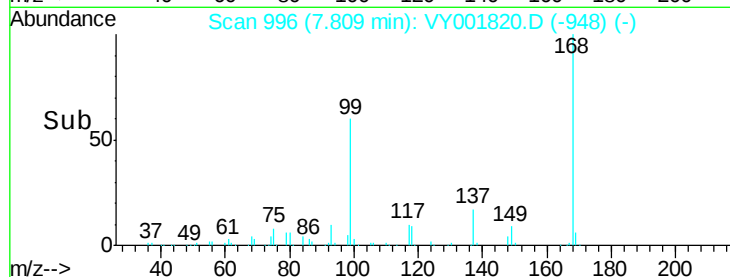
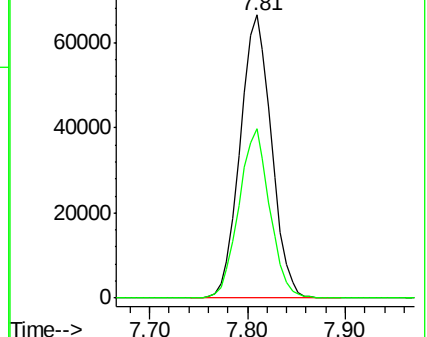
168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001820.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001820.D (-948) (-)



#33

1,2-Dichloroethane-d4

Concen: 58.250 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001820.D

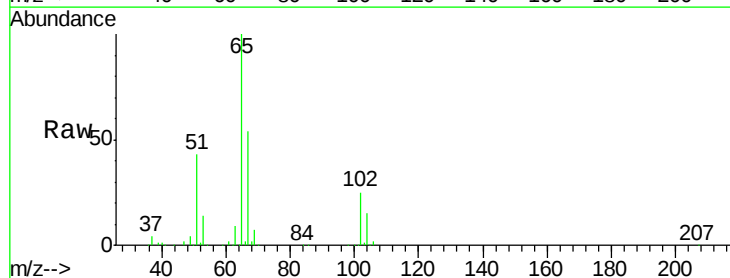
Acq: 02 Mar 2020 15:05

Tgt Ion: 65 Resp: 92393

Ion Ratio Lower Upper

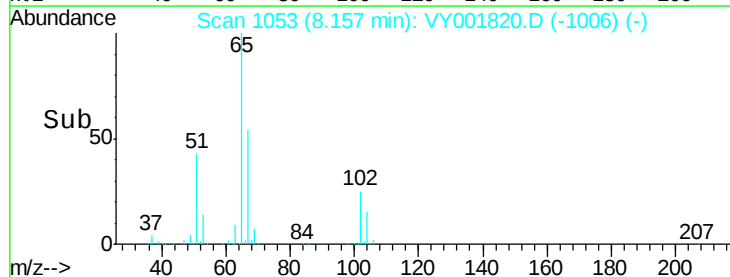
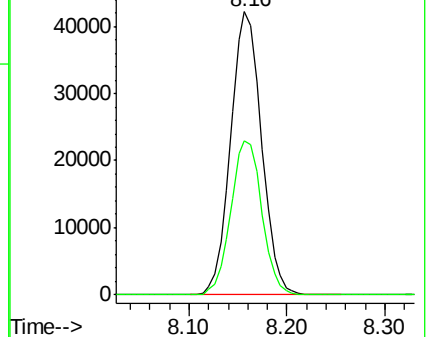
65 100

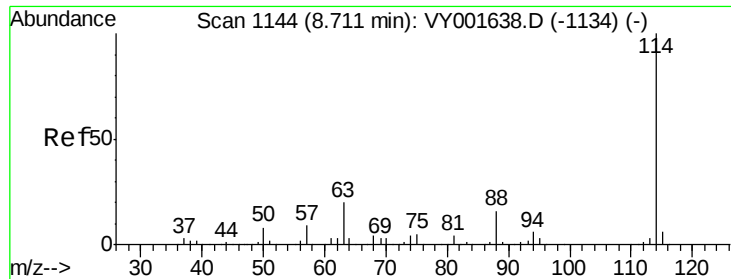
67 54.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY001820.D (-1006) (-)

Ion 66.90 (66.60 to 67.60): VY001820.D (-1006) (-)

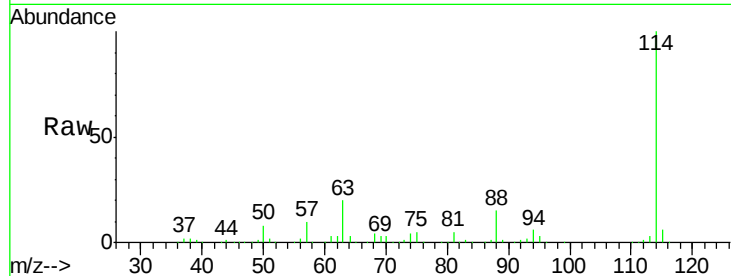




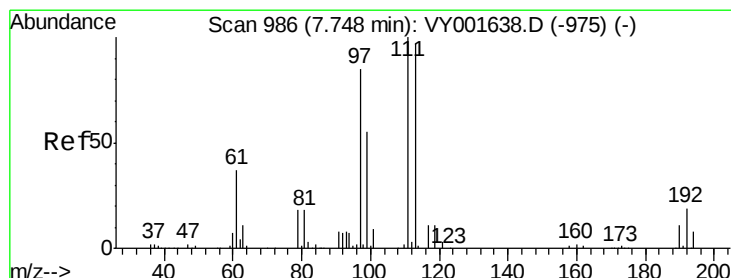
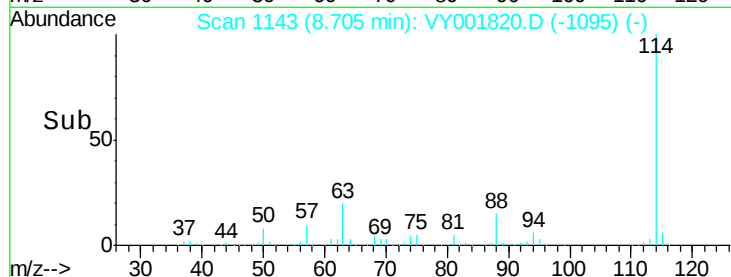
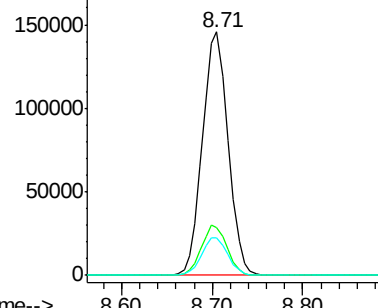
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1143  
 Delta R.T. -0.01 min  
 Lab File: VY001820.D  
 Acq: 02 Mar 2020 15:05

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 G-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.9  | 0.0   | 41.4  |
| 88      | 15.2  | 0.0   | 32.8  |

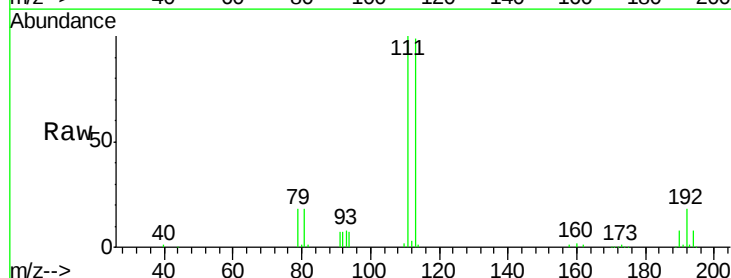


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VY0  
 Ion 87.90 (87.60 to 88.60): VY0

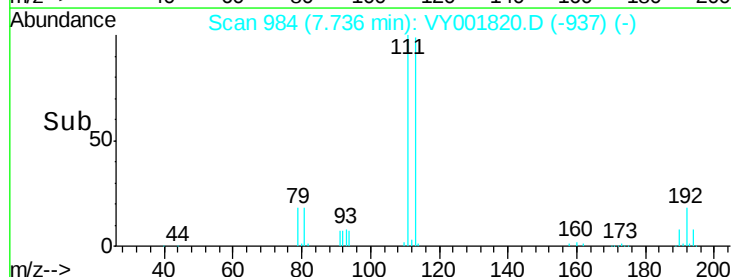
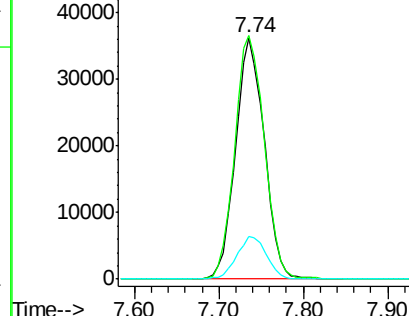


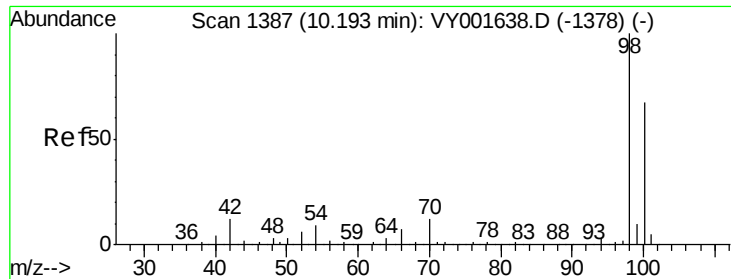
#35  
 Dibromofluoromethane  
 Concen: 50.962 ug/l  
 RT: 7.74 min Scan# 984  
 Delta R.T. -0.01 min  
 Lab File: VY001820.D  
 Acq: 02 Mar 2020 15:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.1 | 81.9  | 122.9 |
| 192     | 18.1  | 14.3  | 21.5  |



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: 54.200 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA\_Y

ClientSampleId :

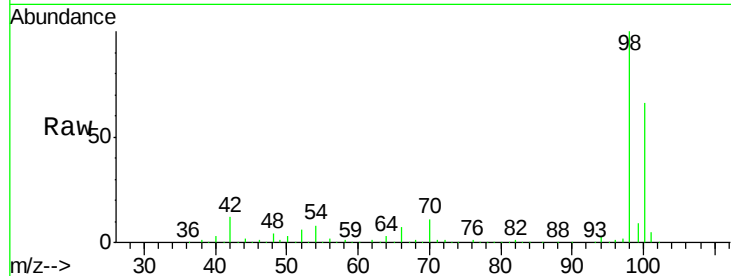
G-1

Tot Ion: 98 Resp: 347374

Ion Ratio Lower Upper

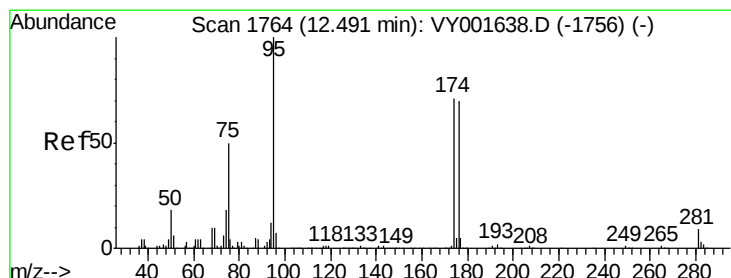
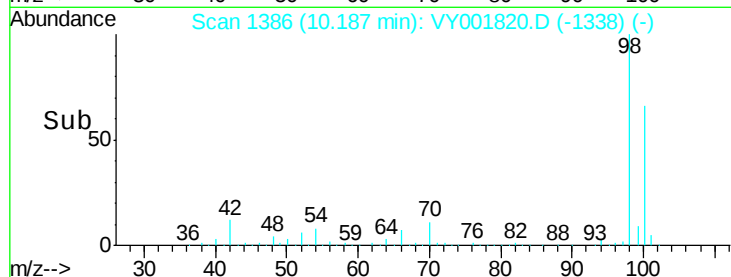
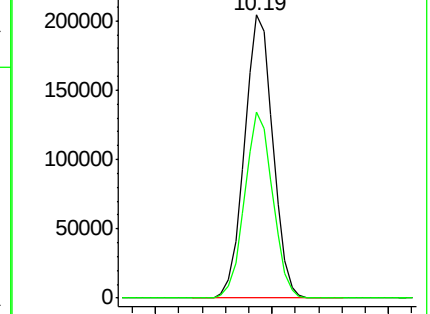
98 100

100 65.0 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: 47.372 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

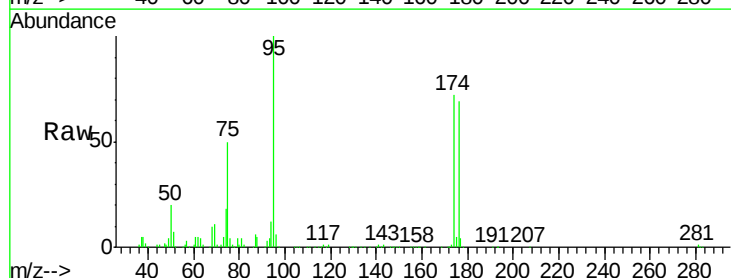
Tgt Ion: 95 Resp: 117950

Ion Ratio Lower Upper

95 100

174 74.6 0.0 138.4

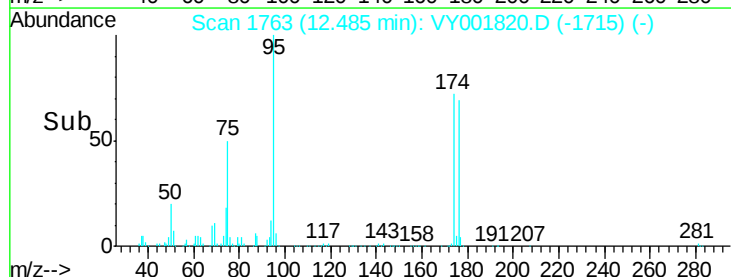
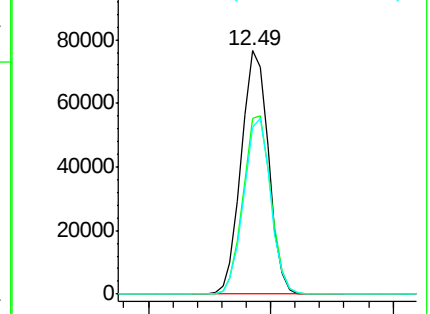
176 71.6 0.0 131.8

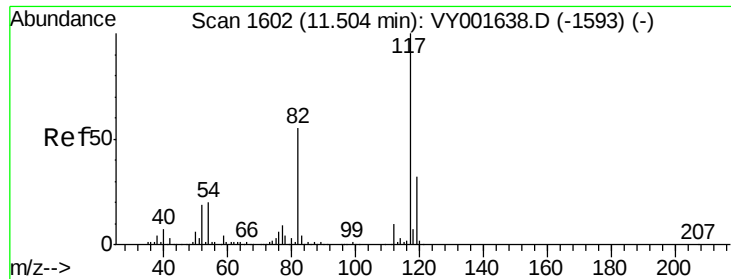


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

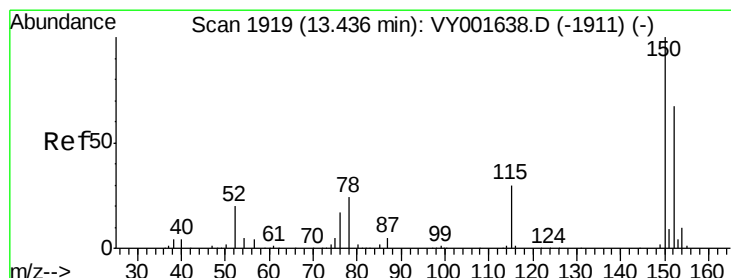
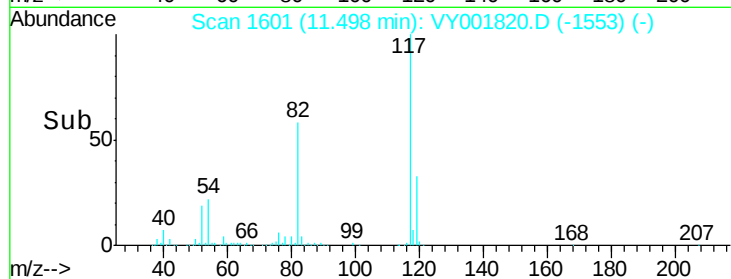
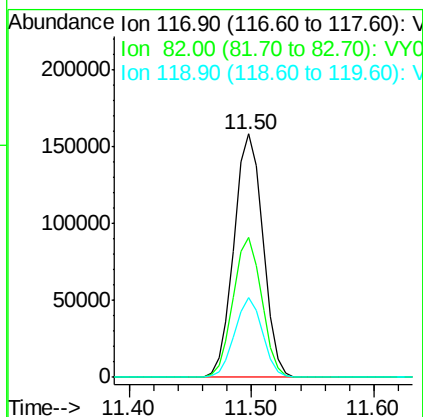
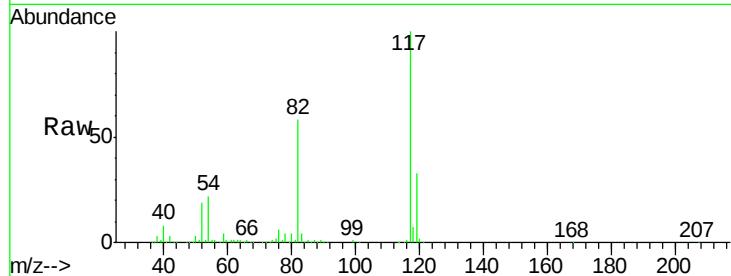




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.50 min Scan# 1601  
Delta R.T. -0.01 min  
Lab File: VY001820.D  
Acq: 02 Mar 2020 15:05

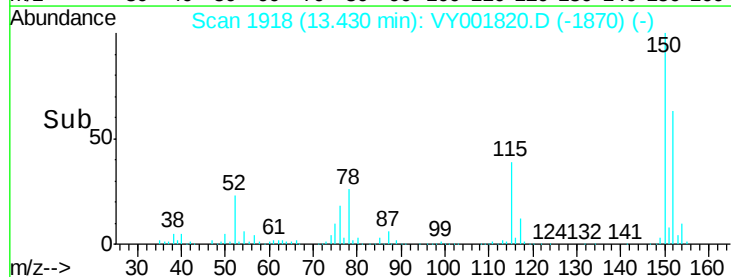
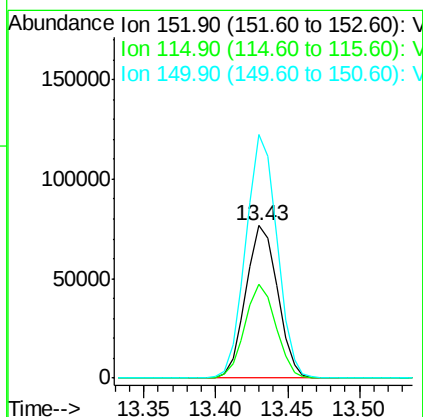
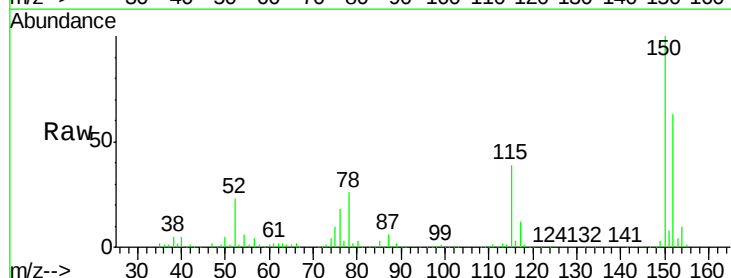
Instrument :  
MSVOA\_Y  
ClientSampled :  
G-1

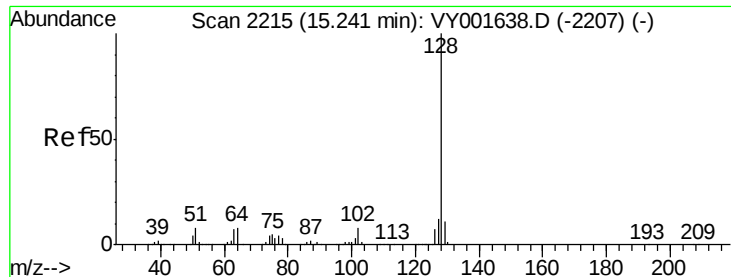
Tot Ion:117 Resp: 258861  
Ion Ratio Lower Upper  
117 100  
82 57.5 45.5 68.3  
119 33.0 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.43 min Scan# 1918  
Delta R.T. -0.01 min  
Lab File: VY001820.D  
Acq: 02 Mar 2020 15:05

Tgt Ion:152 Resp: 116702  
Ion Ratio Lower Upper  
152 100  
115 60.7 31.4 94.2  
150 157.2 0.0 407.2





#95

Naphthalene

Concen: 1.515 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001820.D

Acq: 02 Mar 2020 15:05

Instrument :

MSVOA\_Y

ClientSampleId :

G-1

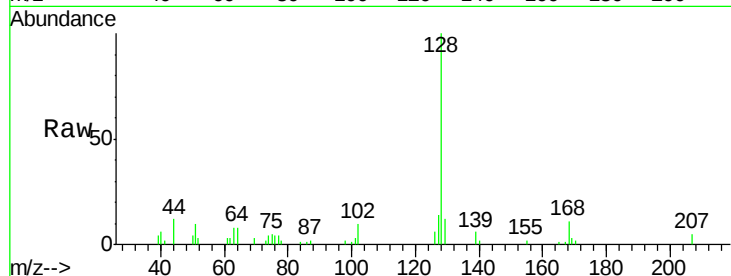
Tot Ion:128 Resp: 7983

Ion Ratio Lower Upper

128 100

127 14.3 9.9 14.9

129 11.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

