

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\  
 Data File : VY001425.D  
 Acq On : 30 Jan 2020 13:11  
 Operator : SY/MD  
 Sample : VY0130SBL01  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0130SBL01

Quant Time: Jan 30 13:30:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 23 01:21:47 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.83  | 168  | 171497   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.72  | 114  | 318664   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.51 | 117  | 292836   | 50.00 | ug/l  | 0.01     |
| 72) 1,4-Dichlorobenzene-d4 | 13.44 | 152  | 132474   | 50.00 | ug/l  | 0.01     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.18   | 65  | 104136   | 55.80 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 111.60% |      |
| 35) Dibromofluoromethane    | 7.75   | 113 | 96630    | 51.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 103.34% |      |
| 50) Toluene-d8              | 10.20  | 98  | 382947   | 52.70 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 105.40% |      |
| 62) 4-Bromofluorobenzene    | 12.50  | 95  | 137935   | 47.67 | ug/l    | 0.01 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.34%  |      |

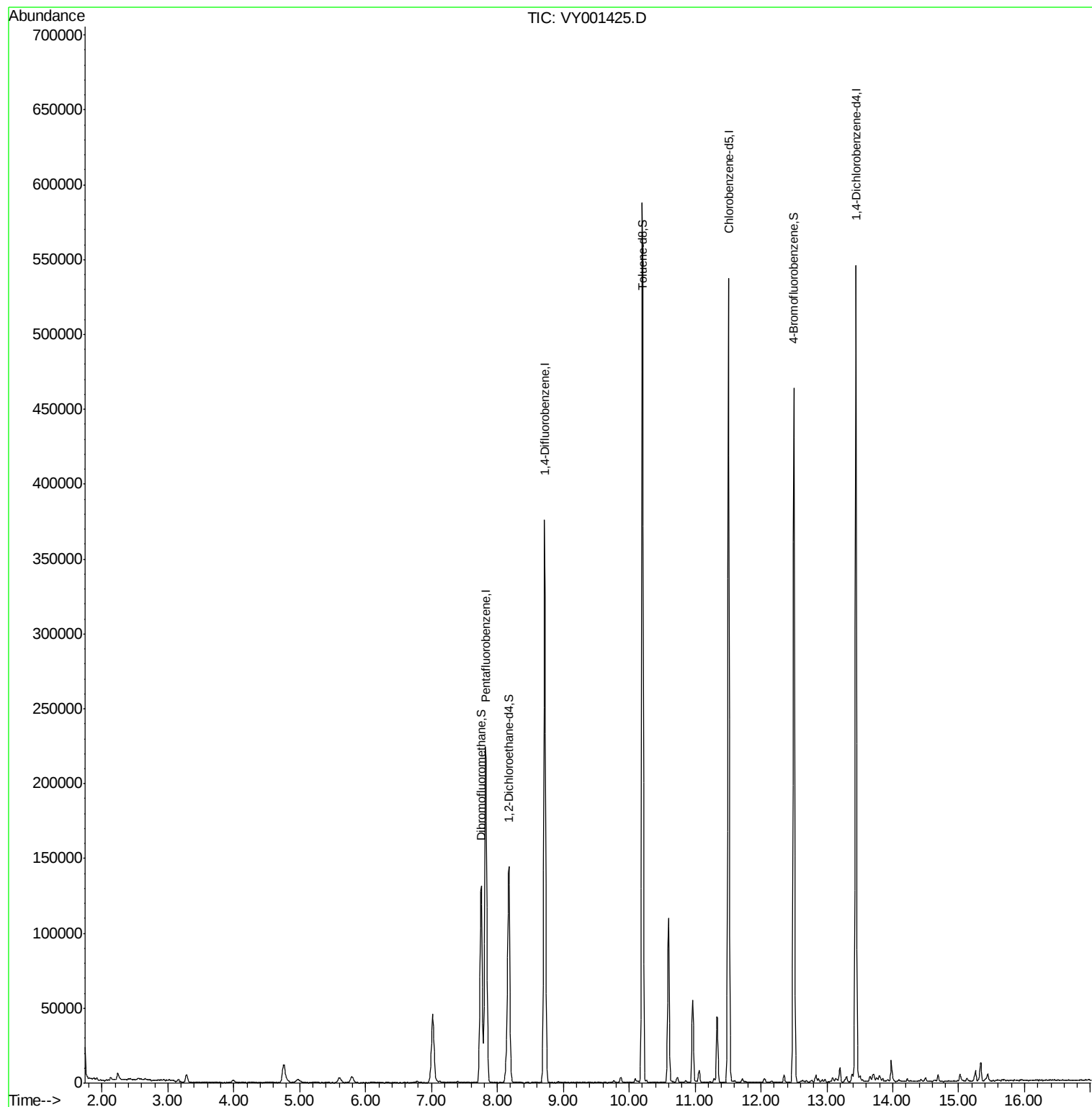
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y012120S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 23 01:21:47 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001425.D

Acq: 30 Jan 2020 13:11

Instrument :

MSVOA\_Y

ClientSampleId :

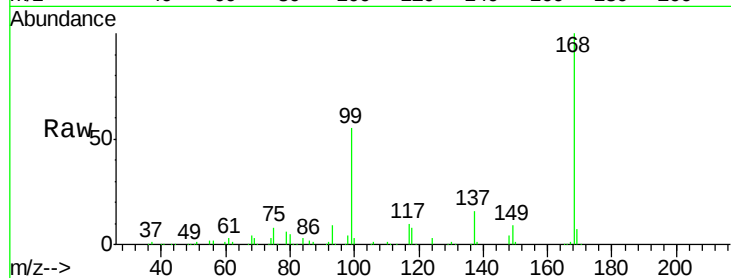
VY0130SBL01

Tot Ion:168 Resp: 171497

Ion Ratio Lower Upper

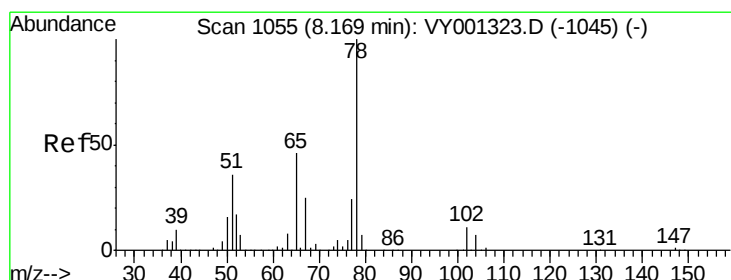
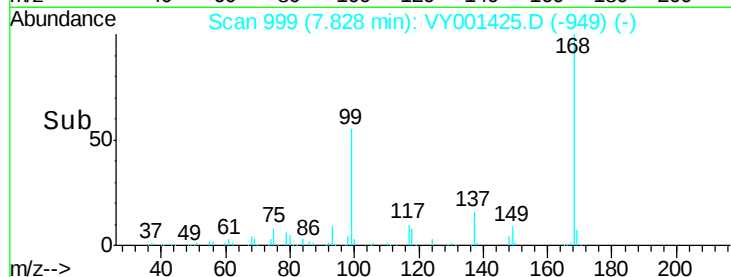
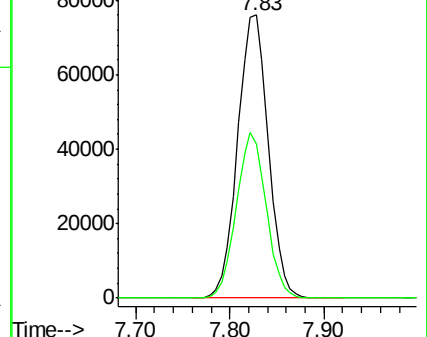
168 100

99 54.6 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.803 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001425.D

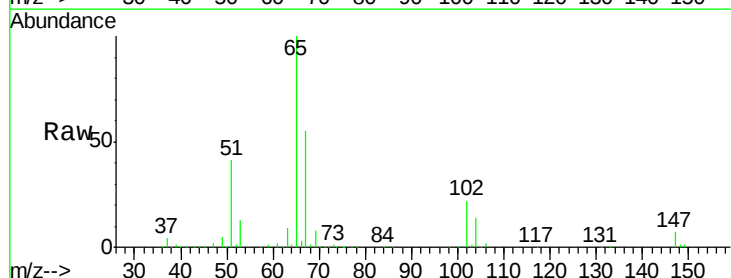
Acq: 30 Jan 2020 13:11

Tgt Ion: 65 Resp: 104136

Ion Ratio Lower Upper

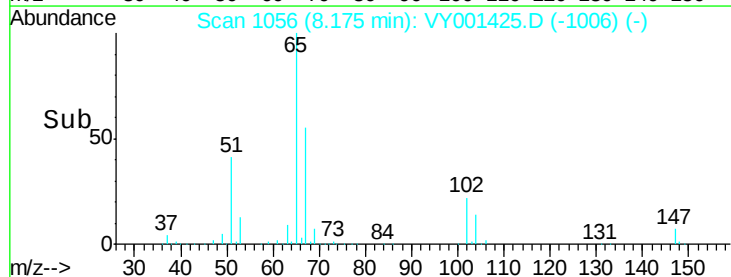
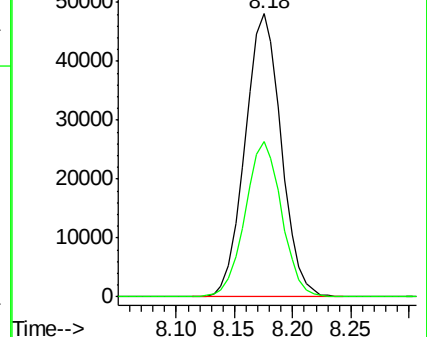
65 100

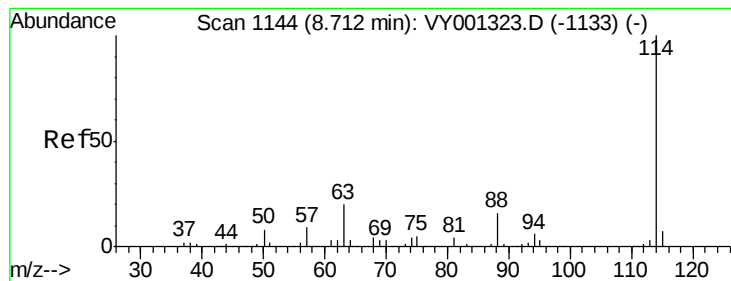
67 55.3 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY001323.D (-1045) (-)

Ion 66.90 (66.60 to 67.60): VY001323.D (-1045) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001425.D

Acq: 30 Jan 2020 13:11

Instrument :

MSVOA\_Y

ClientSampleId :

VY0130SBL01

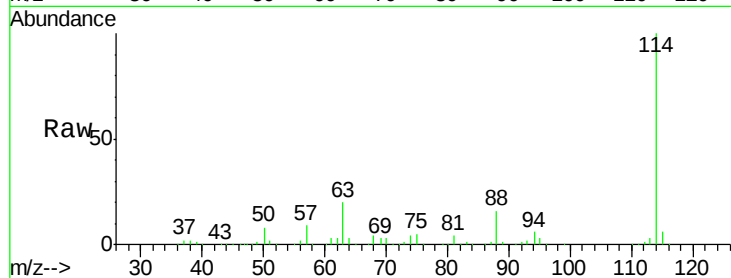
Tot Ion:114 Resp: 318664

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

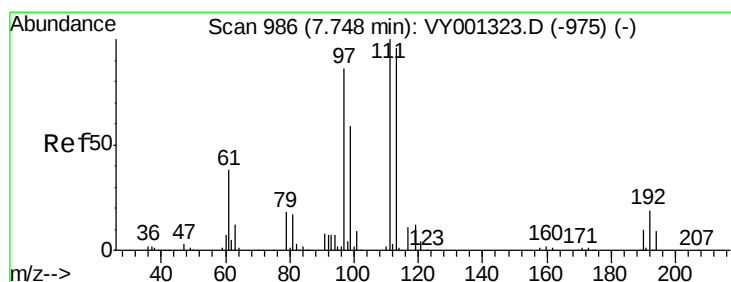
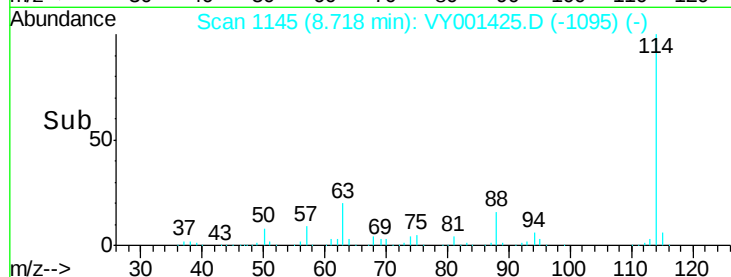
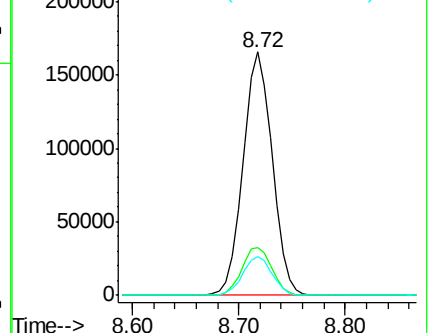
88 16.0 0.0 31.0



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: 51.666 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001425.D

Acq: 30 Jan 2020 13:11

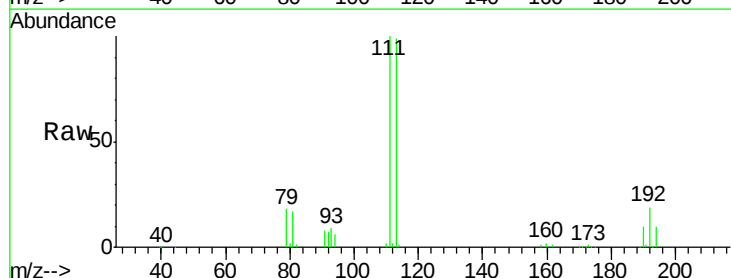
Tgt Ion:113 Resp: 96630

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

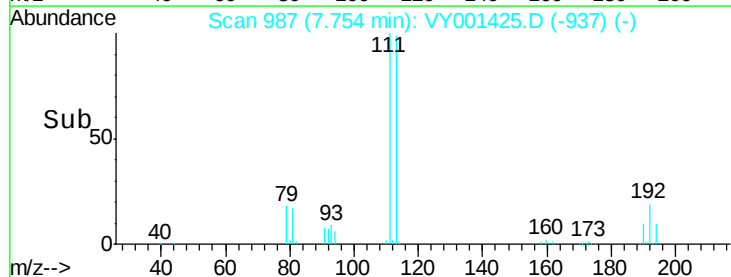
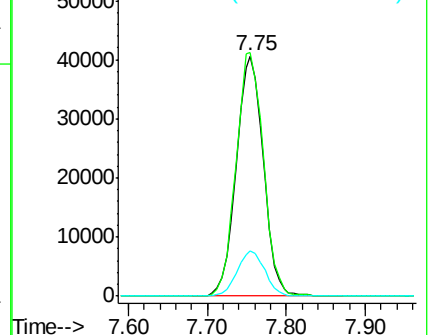
192 19.1 15.5 23.3

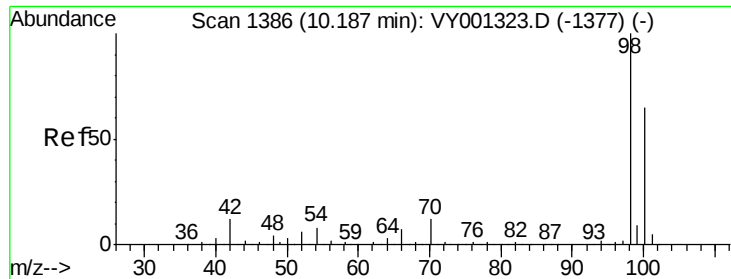


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.701 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001425.D

Acq: 30 Jan 2020 13:11

Instrument :

MSVOA\_Y

ClientSampleId :

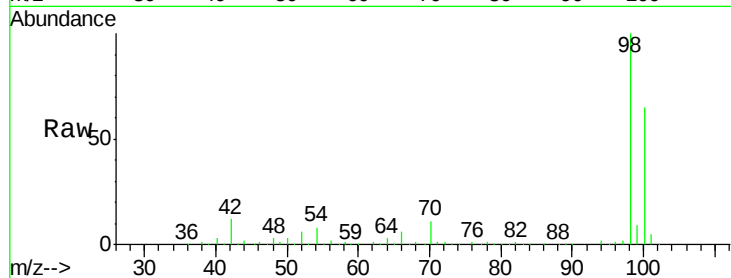
VY0130SBL01

Tot Ion: 98 Resp: 382947

Ion Ratio Lower Upper

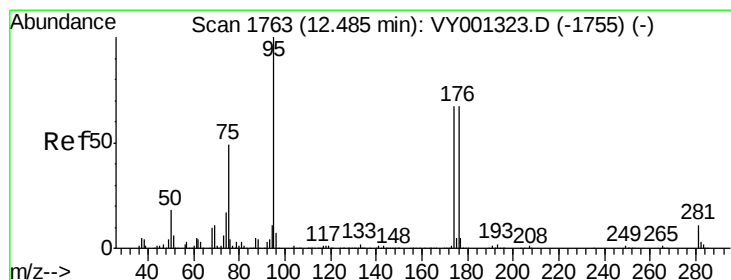
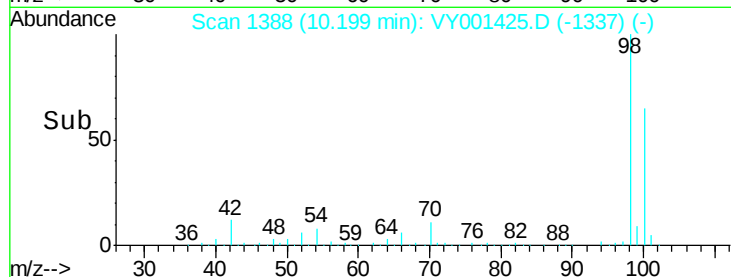
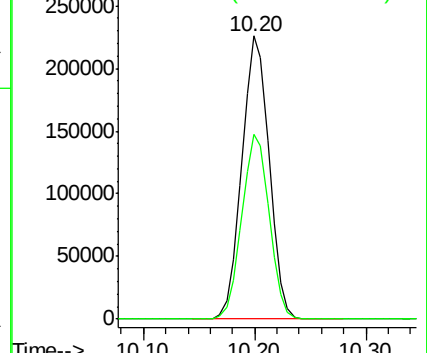
98 100

100 65.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 47.667 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001425.D

Acq: 30 Jan 2020 13:11

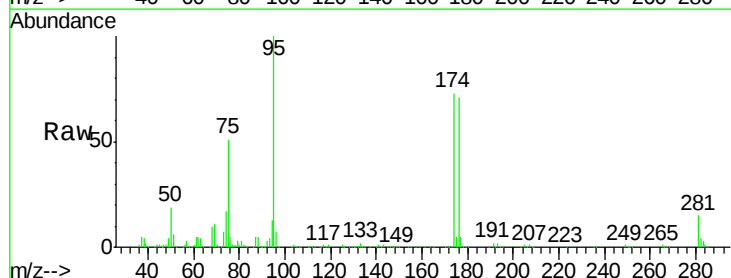
Tgt Ion: 95 Resp: 137935

Ion Ratio Lower Upper

95 100

174 75.2 0.0 142.0

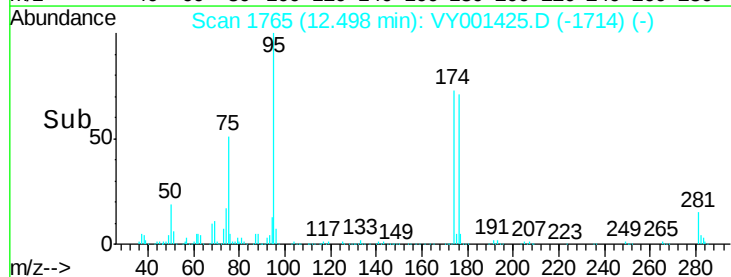
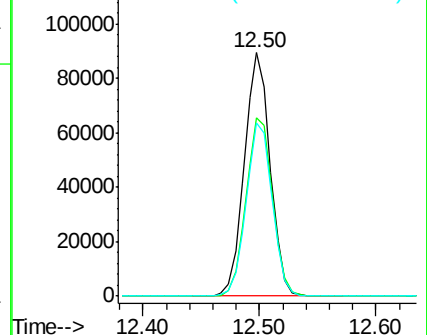
176 71.9 0.0 138.6

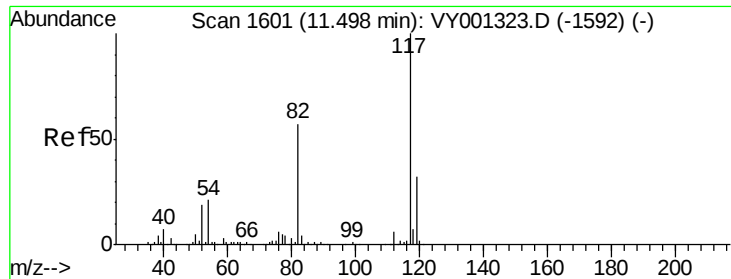


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

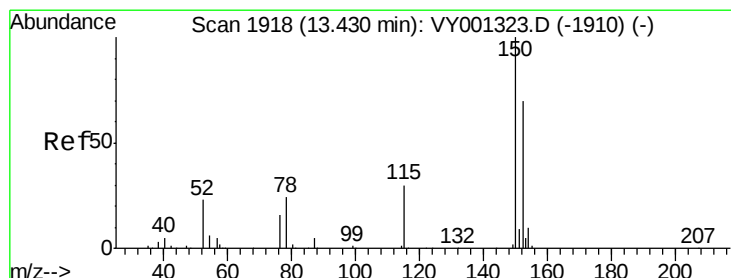
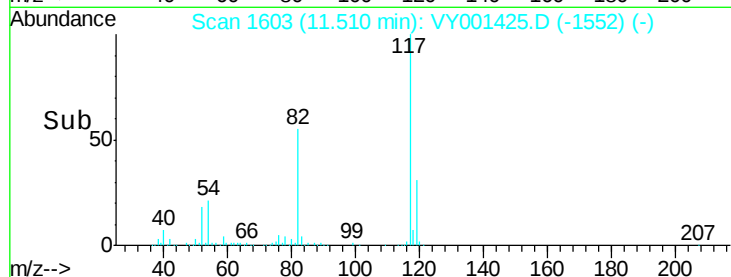
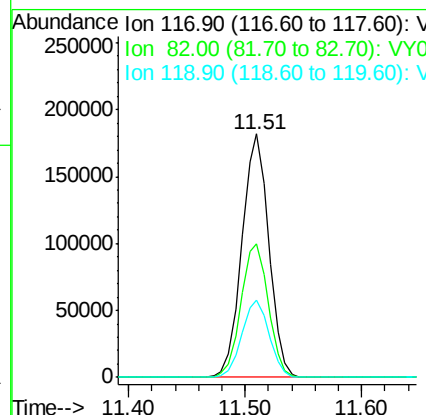
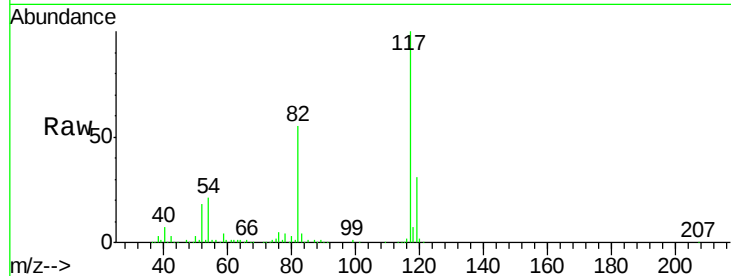




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.51 min Scan# 1603  
Delta R.T. 0.01 min  
Lab File: VY001425.D  
Acq: 30 Jan 2020 13:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0130SBL01

Tot Ion:117 Resp: 292836  
Ion Ratio Lower Upper  
117 100  
82 54.9 45.5 68.3  
119 31.5 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.44 min Scan# 1920  
Delta R.T. 0.01 min  
Lab File: VY001425.D  
Acq: 30 Jan 2020 13:11

Tgt Ion:152 Resp: 132474  
Ion Ratio Lower Upper  
152 100  
115 60.6 30.9 92.8  
150 156.4 0.0 349.2

