

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020520\  
 Data File : VY001504.D  
 Acq On : 05 Feb 2020 14:14  
 Operator : SY/MD  
 Sample : L1360-02  
 Misc : 16.20G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

Quant Time: Feb 06 07:13:11 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y020420S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 04 15:10:08 2020  
 Response via : Initial Calibration

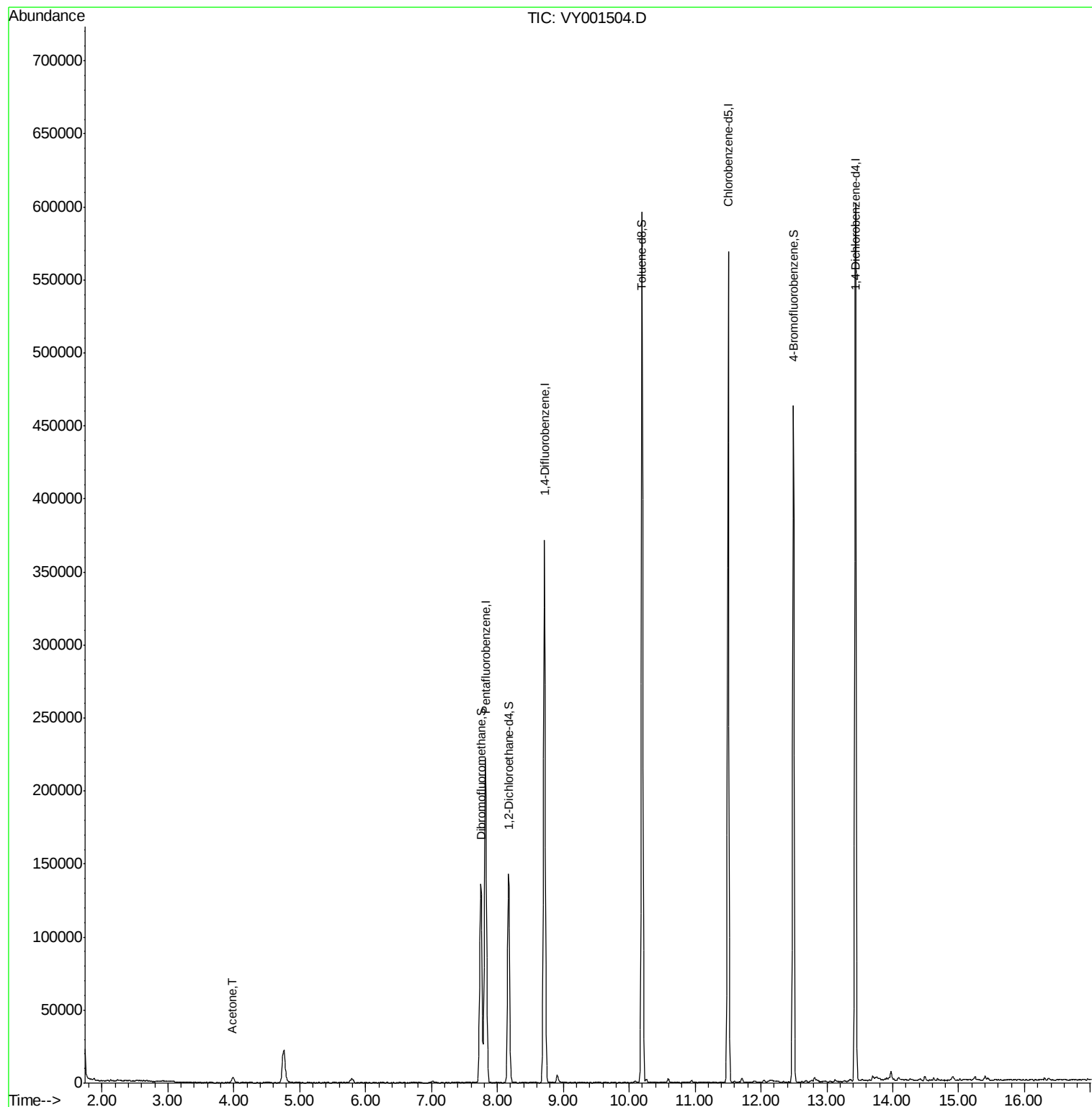
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 7.82  | 168  | 170034   | 50.00  | ug/l    | 0.01       |
| 34) 1,4-Difluorobenzene     | 8.71  | 114  | 325121   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 11.50 | 117  | 306323   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 13.44 | 152  | 144329   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 8.17  | 65   | 109553   | 63.99  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 127.98% |            |
| 35) Dibromofluoromethane    | 7.75  | 113  | 99991    | 53.33  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.66% |            |
| 50) Toluene-d8              | 10.19 | 98   | 390920   | 55.11  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.22% |            |
| 62) 4-Bromofluorobenzene    | 12.49 | 95   | 155333   | 55.59  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.18% |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 3.98  | 43   | 6659     | 13.447 | ug/l    | Qvalue 100 |

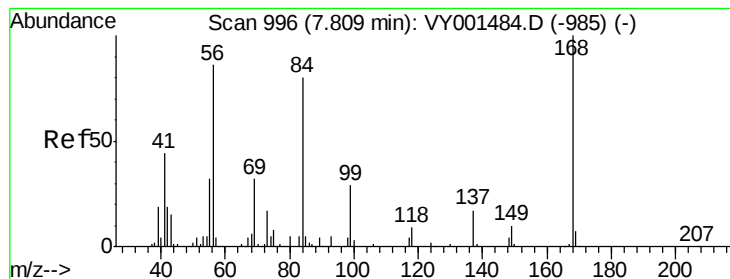
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 04 15:10:08 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA\_Y

ClientSampled :

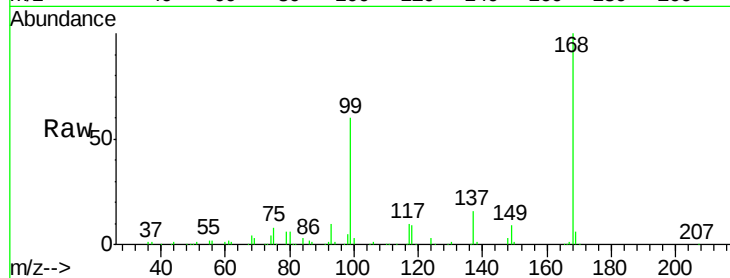
TP-2

Tot Ion:168 Resp: 170034

Ion Ratio Lower Upper

168 100

99 60.0 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001504.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001504.D (-947) (-)

7.82

80000

60000

40000

20000

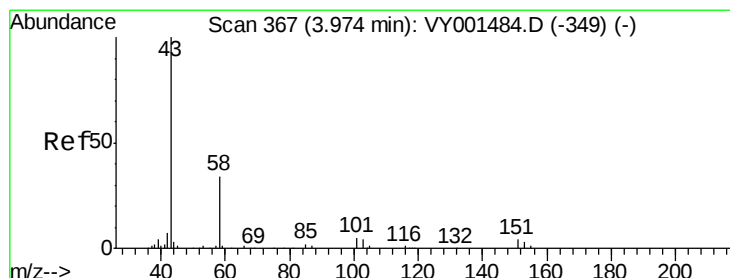
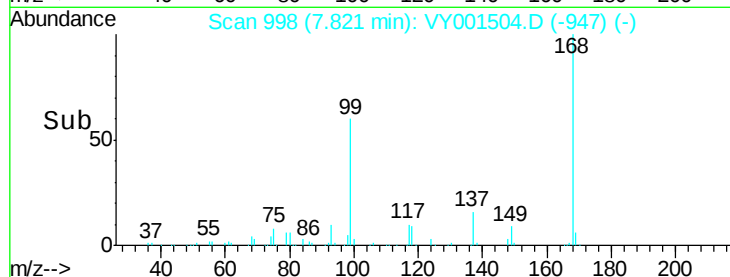
0

Time-->

7.70

7.80

7.90



#16

Acetone

Concen: 13.447 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY001504.D

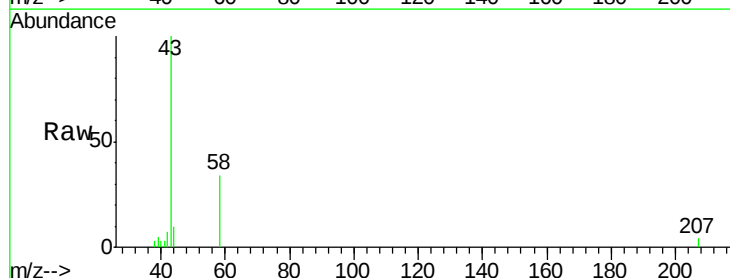
Acq: 05 Feb 2020 14:14

Tgt Ion: 43 Resp: 6659

Ion Ratio Lower Upper

43 100

58 34.2 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001504.D (-318) (-)

Ion 58.00 (57.70 to 58.70): VY001504.D (-318) (-)

3.98

2500

2000

1500

1000

500

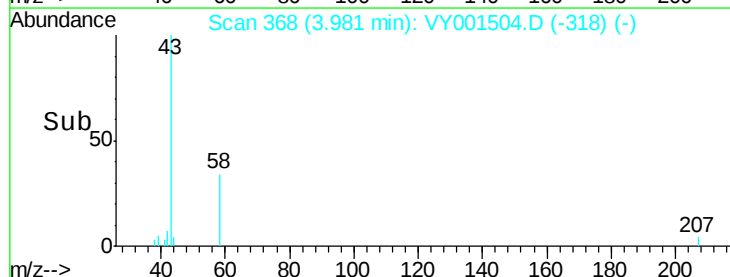
0

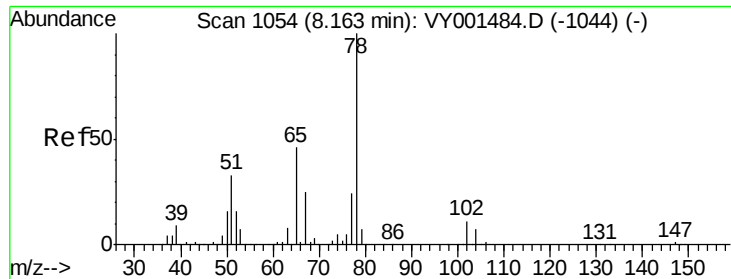
Time-->

3.90

4.00

4.10

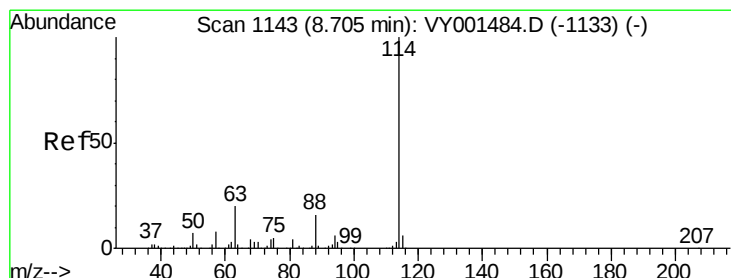
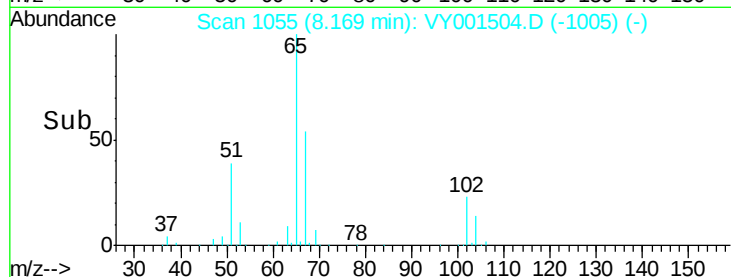
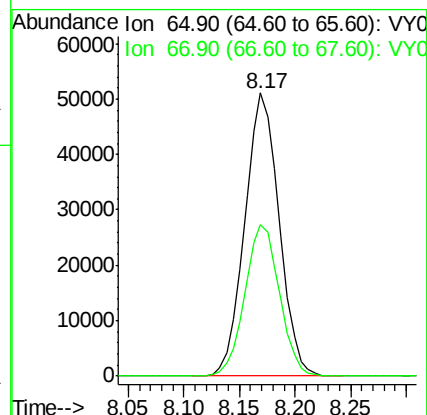
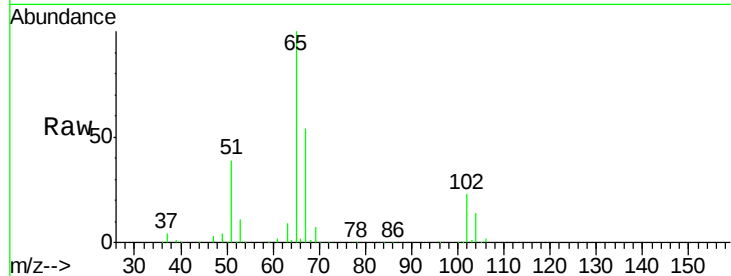




#33  
 1,2-Dichloroethane-d4  
 Concen: 63.991 ug/l  
 RT: 8.17 min Scan# 1055  
 Delta R.T. 0.01 min  
 Lab File: VY001504.D  
 Acq: 05 Feb 2020 14:14

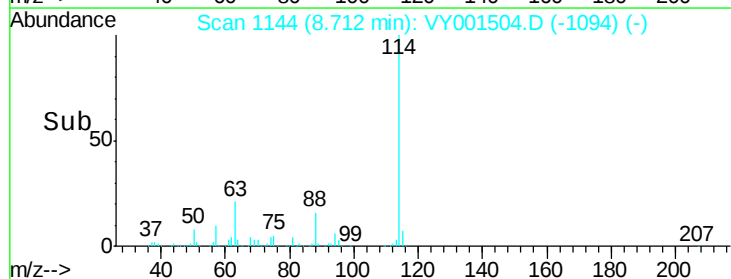
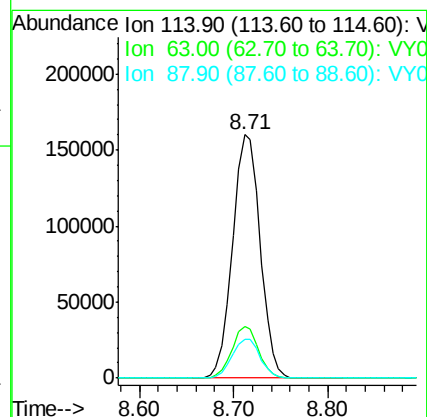
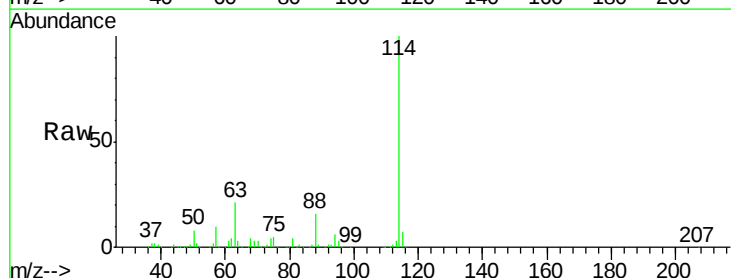
Instrument :  
 MSVOA\_Y  
 ClientSampled :  
 TP-2

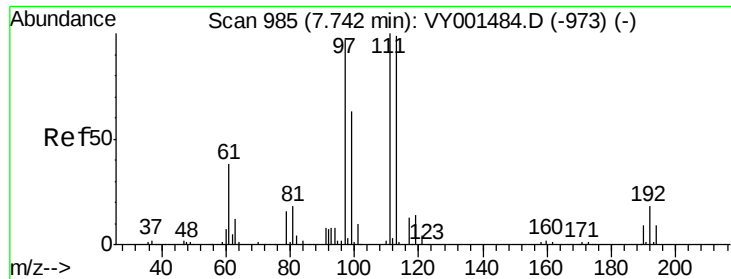
Tot Ion: 65 Resp: 109553  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 108.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.71 min Scan# 1144  
 Delta R.T. 0.01 min  
 Lab File: VY001504.D  
 Acq: 05 Feb 2020 14:14

Tgt Ion: 114 Resp: 325121  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 39.8  
 88 16.2 0.0 32.6

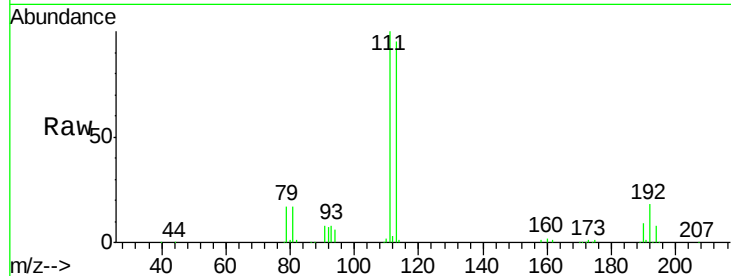




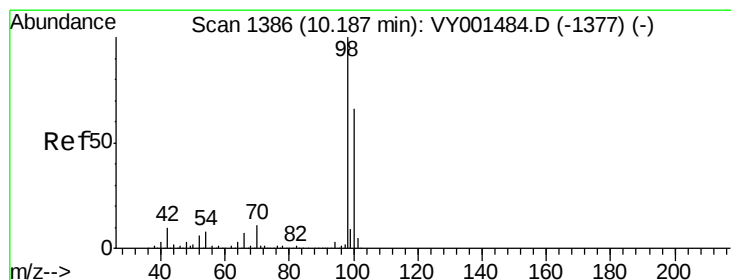
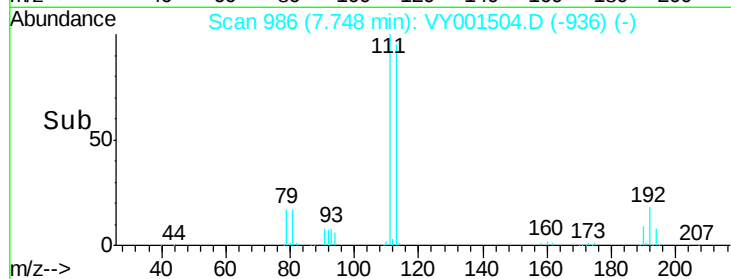
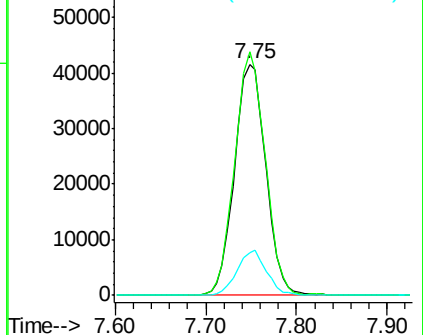
#35  
 Dibromofluoromethane  
 Concen: 53.334 ug/l  
 RT: 7.75 min Scan# 986  
 Delta R.T. 0.01 min  
 Lab File: VY001504.D  
 Acq: 05 Feb 2020 14:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 82.9  | 124.3 |
| 192     | 18.2  | 14.6  | 22.0  |

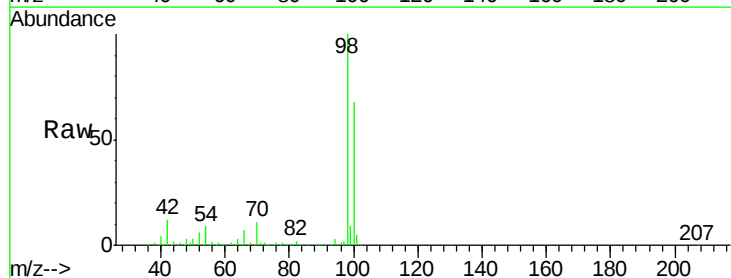


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

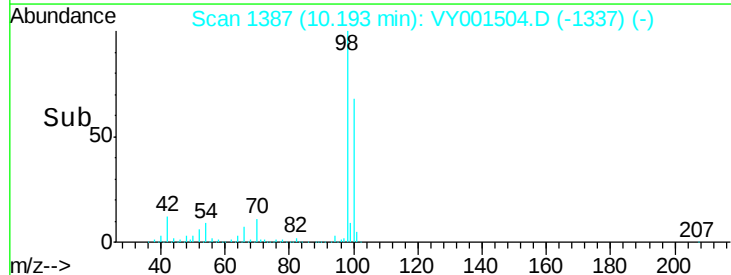
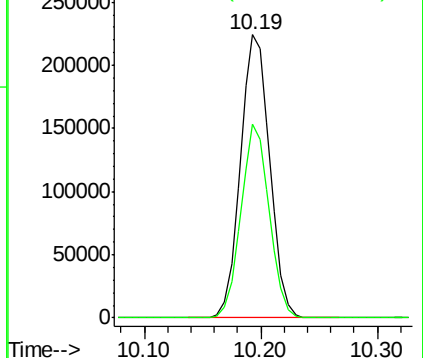


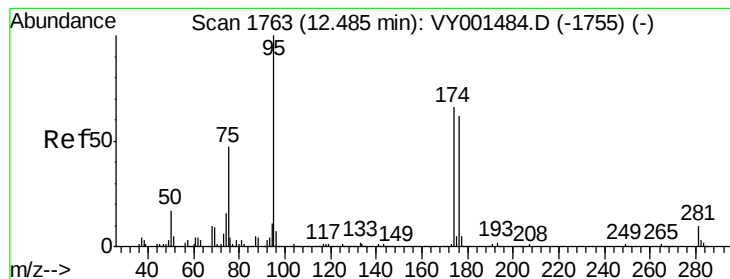
#50  
 Toluene-d8  
 Concen: 55.112 ug/l  
 RT: 10.19 min Scan# 1387  
 Delta R.T. 0.01 min  
 Lab File: VY001504.D  
 Acq: 05 Feb 2020 14:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.2  | 53.0  | 79.6  |



Abundance Ion 98.00 (97.70 to 98.70): VY0  
 Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 55.589 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA\_Y

ClientSampled :

TP-2

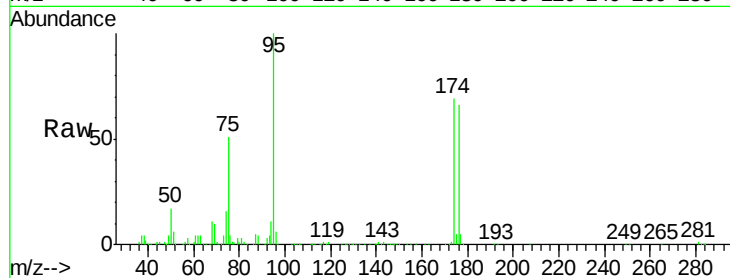
Tot Ion: 95 Resp: 155333

Ion Ratio Lower Upper

95 100

174 69.6 0.0 141.4

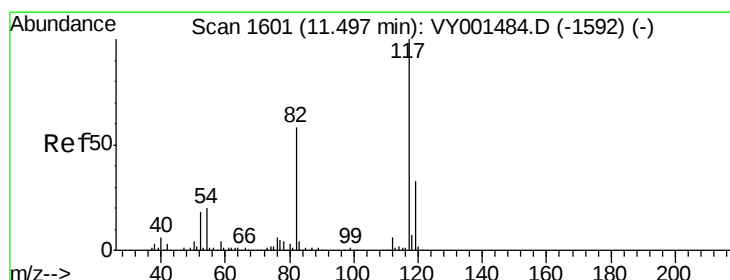
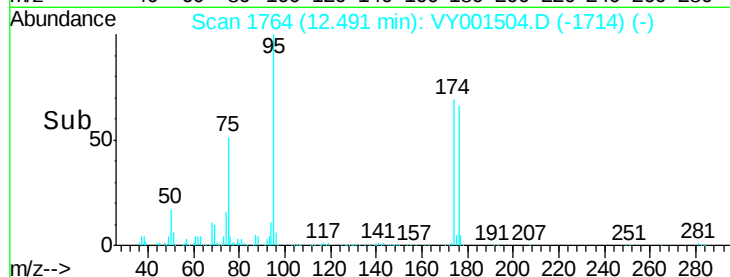
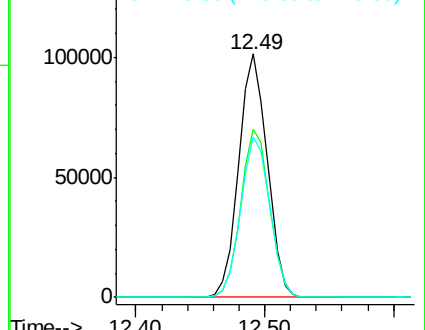
176 67.1 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VY001504.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001504.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001504.D (-1714) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

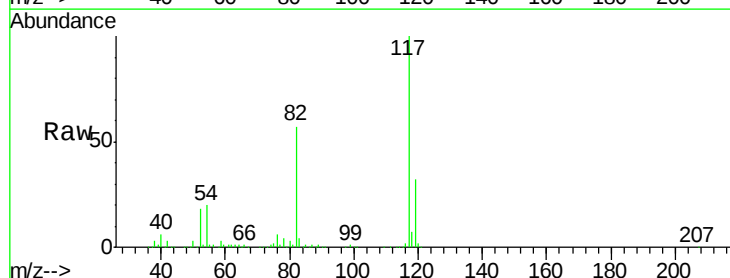
Tgt Ion: 117 Resp: 306323

Ion Ratio Lower Upper

117 100

82 57.1 46.1 69.1

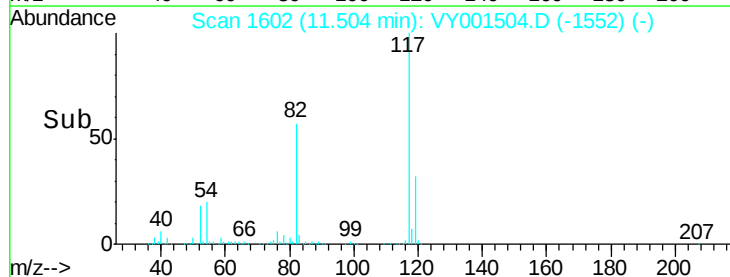
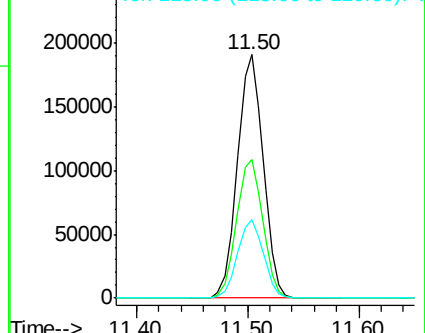
119 32.4 26.1 39.1

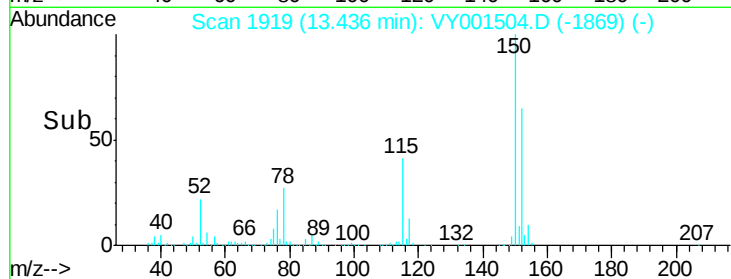
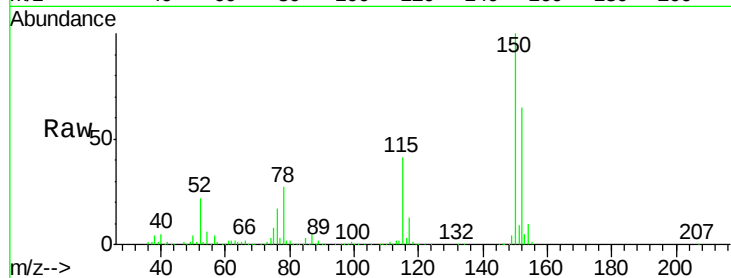
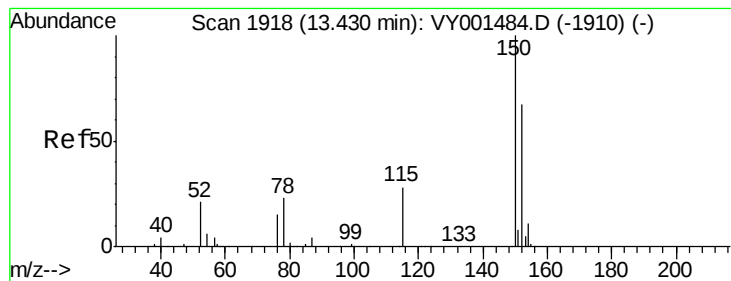


Abundance Ion 116.90 (116.60 to 117.60): VY001504.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001504.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001504.D (-1552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001504.D

Acq: 05 Feb 2020 14:14

Instrument :

MSVOA\_Y

ClientSampleId :

TP-2

Tot Ion:152 Resp: 144329

Ion Ratio Lower Upper

152 100

115 62.9 31.4 94.3

150 156.7 0.0 346.8

