

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\  
 Data File : VY001012.D  
 Acq On : 19 Dec 2019 13:58  
 Operator : SY/MD  
 Sample : K6370-07RE  
 Misc : 3.57G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP2-6RE

Quant Time: Dec 20 04:22:00 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

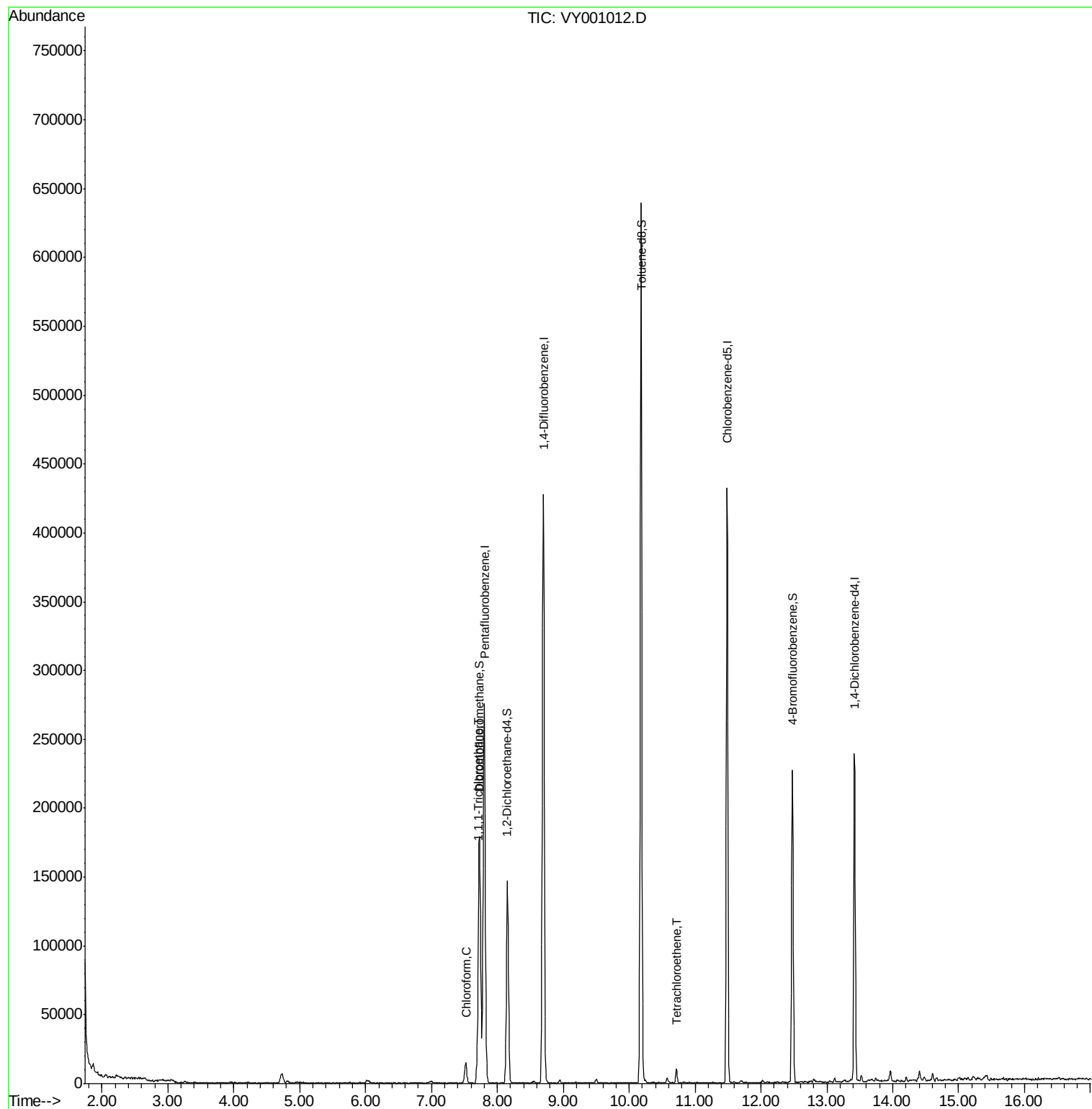
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 222506   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.70  | 114  | 374942   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 233655   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 60054    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 107745   | 45.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.14%  |          |
| 35) Dibromofluoromethane    | 7.73  | 113  | 112300   | 51.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.78% |          |
| 50) Toluene-d8              | 10.18 | 98   | 419881   | 48.06 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 73666    | 22.45 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 44.90%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 30) Chloroform              | 7.52  | 83   | 13907    | 2.925 | ug/l    | 98       |
| 32) 1,1,1-Trichloroethane   | 7.71  | 97   | 26399    | 6.725 | ug/l    | 96       |
| 64) Tetrachloroethene       | 10.72 | 164  | 2137     | 1.053 | ug/l #  | 80       |

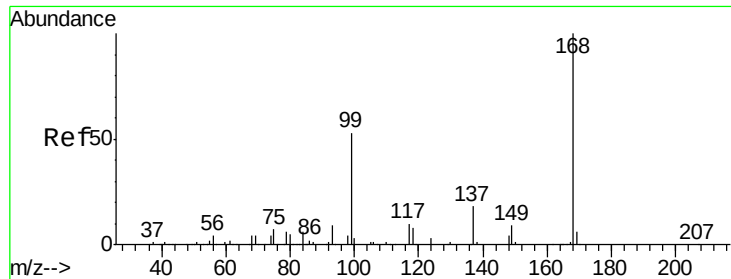
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

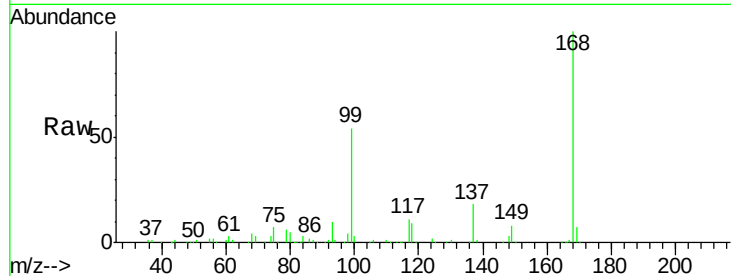
TP2-6RE

Tot Ion:168 Resp: 222506

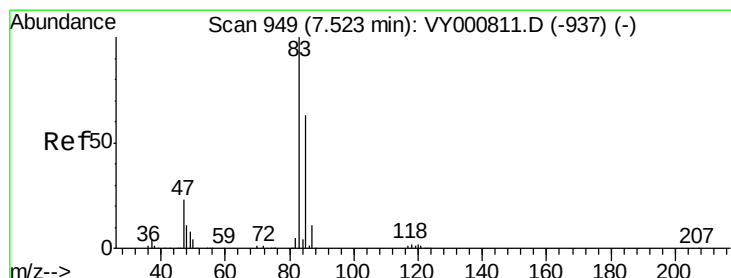
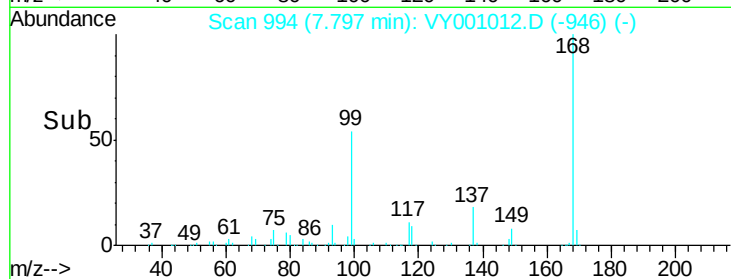
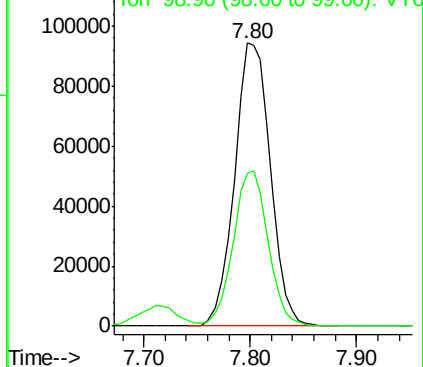
Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001012.D (-946) (-)



#30

Chloroform

Concen: 2.925 ug/l

RT: 7.52 min Scan# 949

Delta R.T. -0.00 min

Lab File: VY001012.D

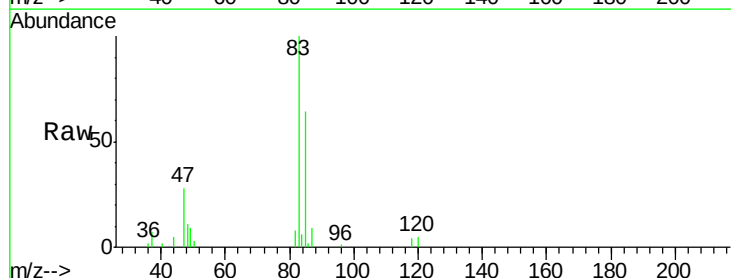
Acq: 19 Dec 2019 13:58

Tgt Ion: 83 Resp: 13907

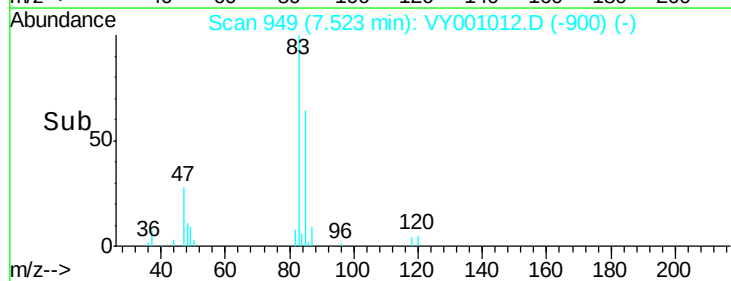
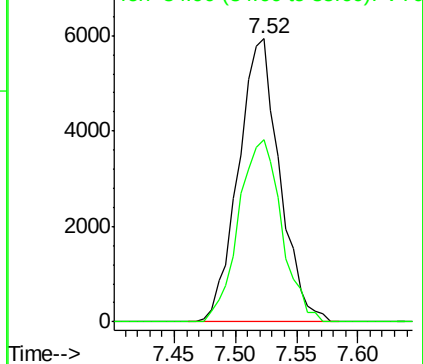
Ion Ratio Lower Upper

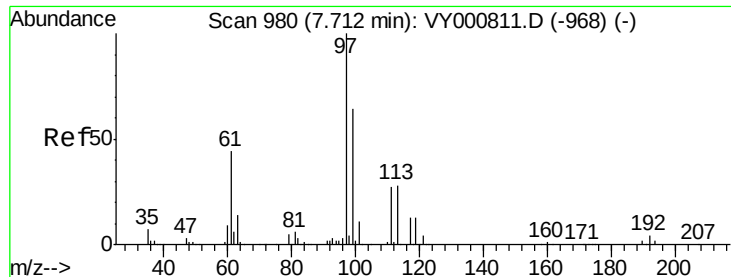
83 100

85 64.5 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY001012.D (-900) (-)





#32

1,1,1-Trichloroethane

Concen: 6.725 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

TP2-6RE

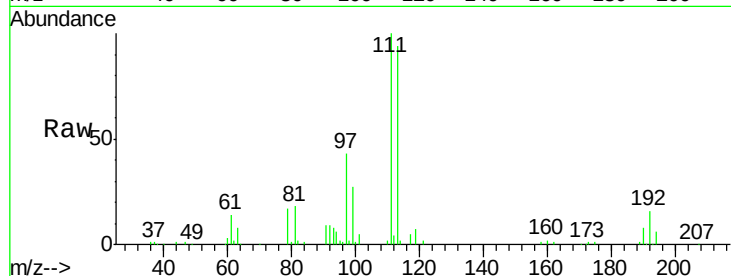
Tot Ion: 97 Resp: 26399

Ion Ratio Lower Upper

97 100

99 69.1 51.7 77.5

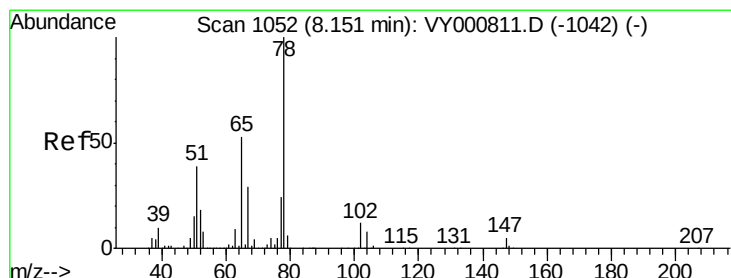
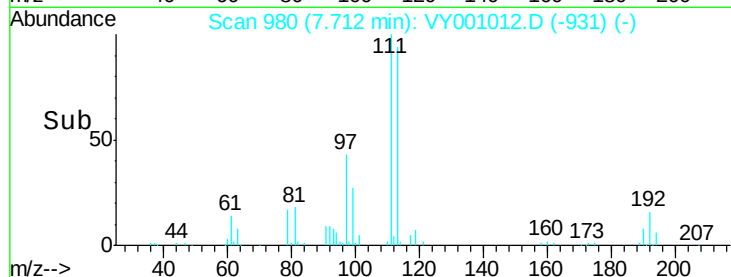
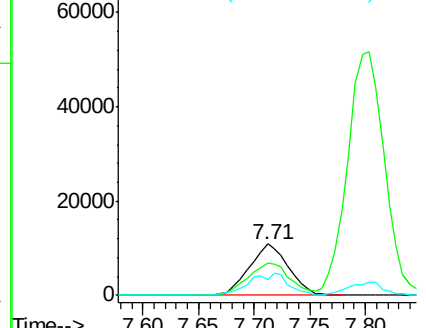
61 44.1 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VY001012.D (-931) (-)

Ion 98.90 (98.60 to 99.60): VY001012.D (-931) (-)

Ion 60.90 (60.60 to 61.60): VY001012.D (-931) (-)



#33

1,2-Dichloroethane-d4

Concen: 45.571 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001012.D

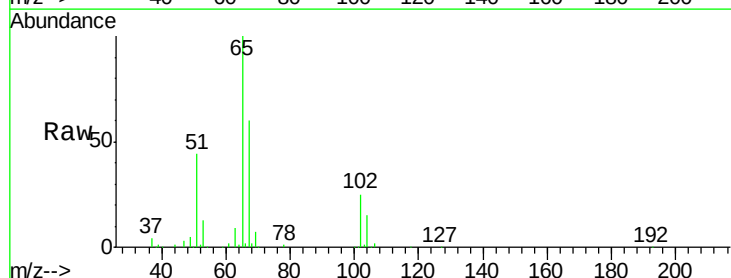
Acq: 19 Dec 2019 13:58

Tgt Ion: 65 Resp: 107745

Ion Ratio Lower Upper

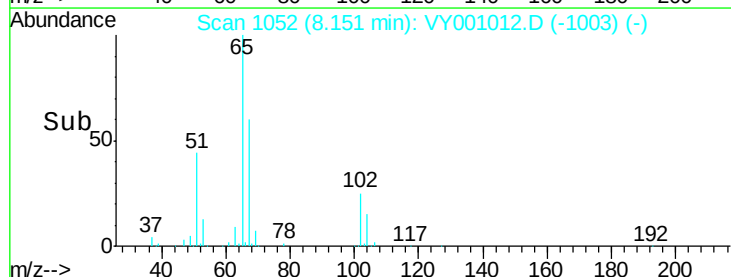
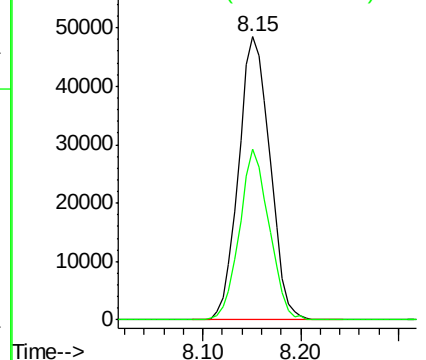
65 100

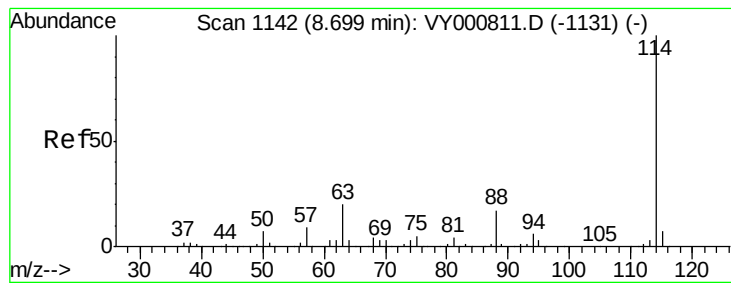
67 57.2 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY001012.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001012.D (-1003) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

TP2-6RE

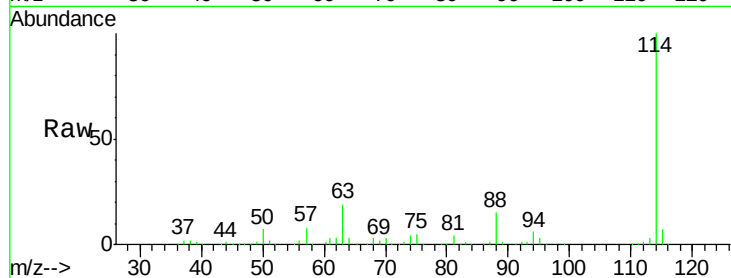
Tot Ion:114 Resp: 374942

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.8

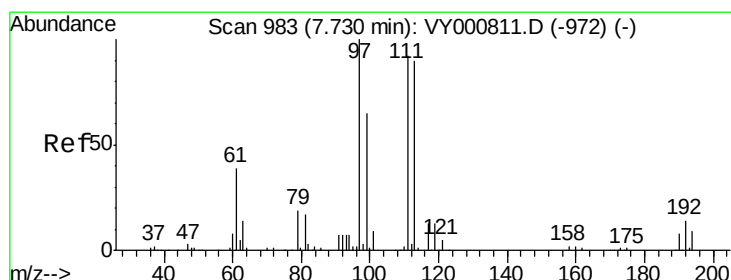
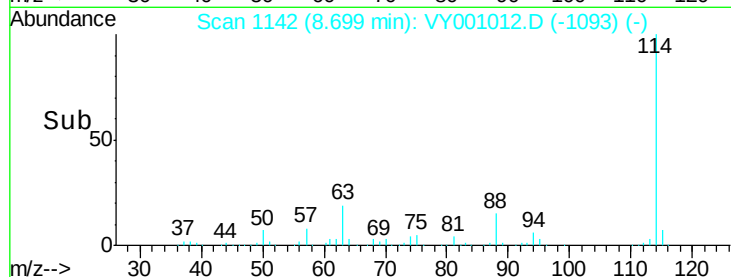
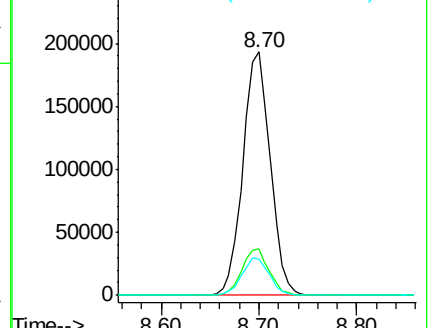
88 14.7 0.0 33.2



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: 51.392 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

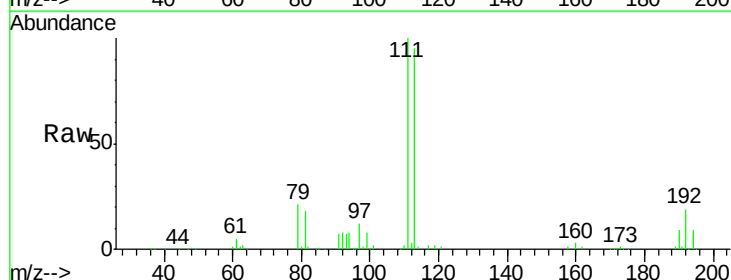
Tgt Ion:113 Resp: 112300

Ion Ratio Lower Upper

113 100

111 104.7 82.4 123.6

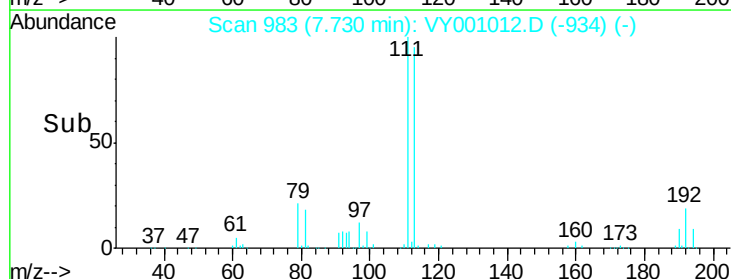
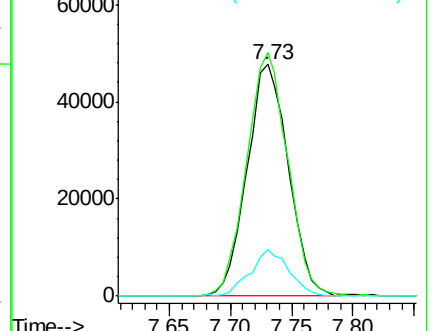
192 18.9 14.2 21.2

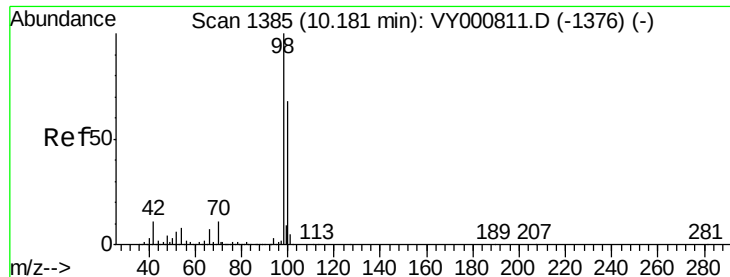


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.062 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA\_Y

ClientSampled :

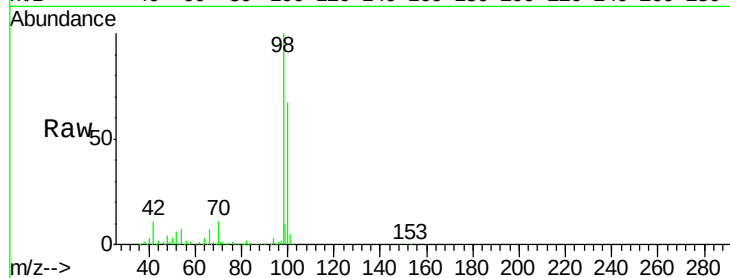
TP2-6RE

Tot Ion: 98 Resp: 419881

Ion Ratio Lower Upper

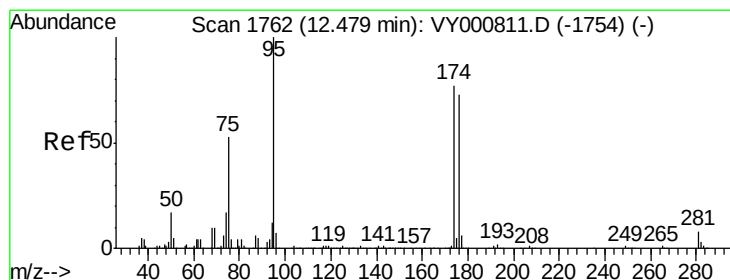
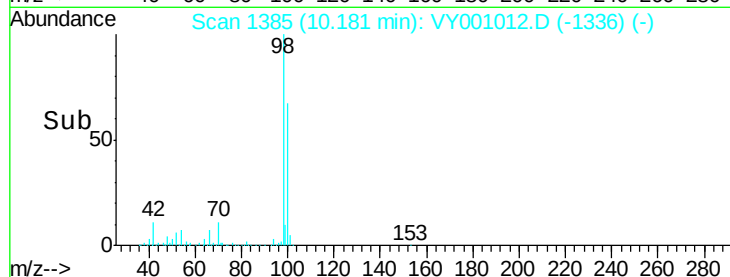
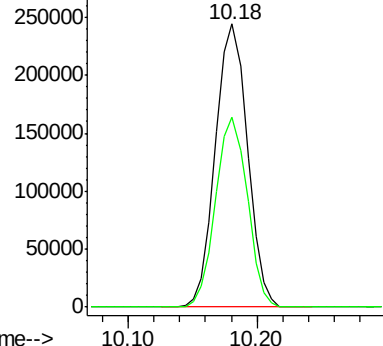
98 100

100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 22.453 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

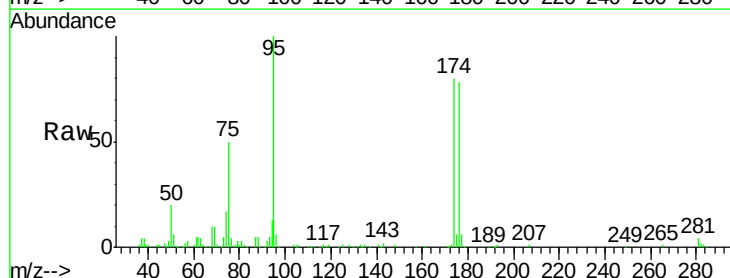
Tgt Ion: 95 Resp: 73666

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

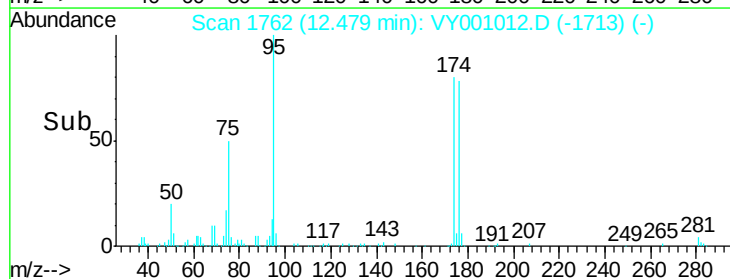
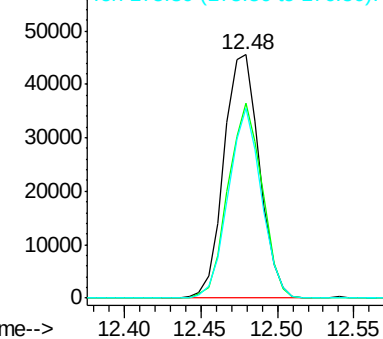
176 72.7 0.0 145.2

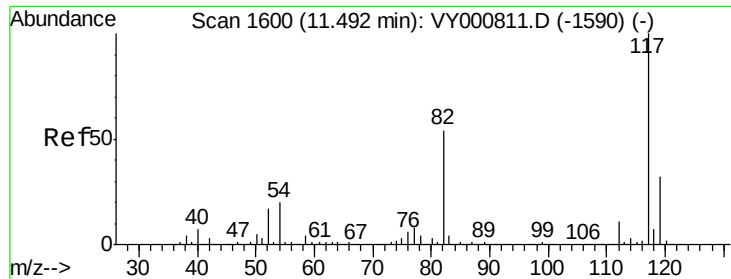


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

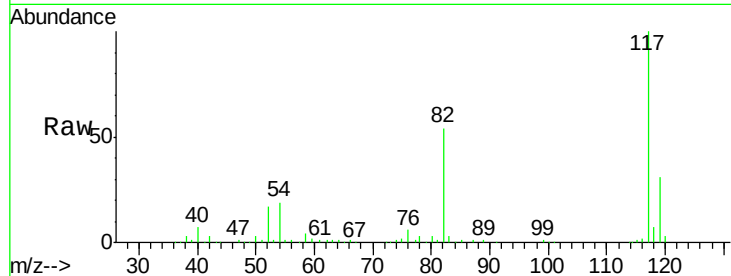




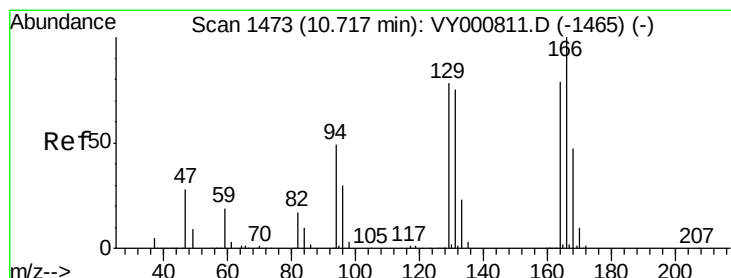
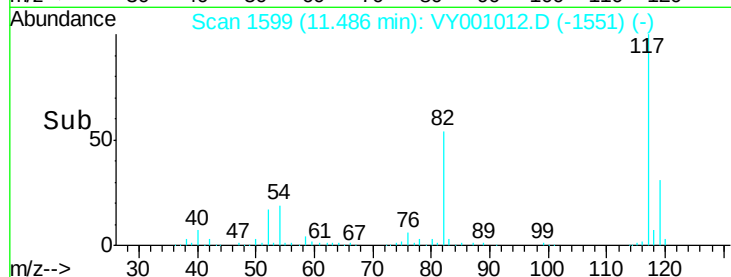
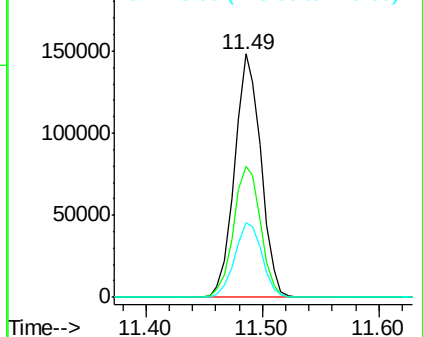
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY001012.D  
Acq: 19 Dec 2019 13:58

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP2-6RE

Tot Ion:117 Resp: 233655  
Ion Ratio Lower Upper  
117 100  
82 53.9 43.1 64.7  
119 30.6 25.3 37.9

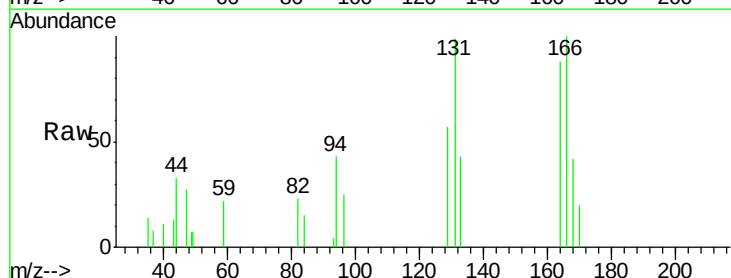


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VY0  
Ion 118.90 (118.60 to 119.60): V

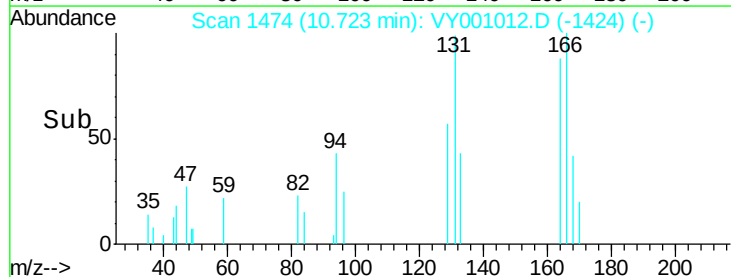
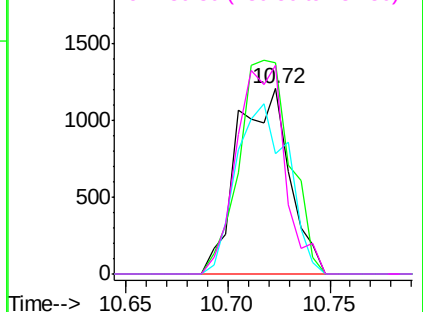


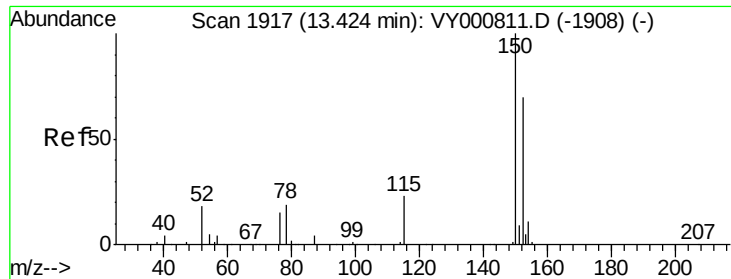
#64  
Tetrachloroethene  
Concen: 1.053 ug/l  
RT: 10.72 min Scan# 1474  
Delta R.T. 0.01 min  
Lab File: VY001012.D  
Acq: 19 Dec 2019 13:58

Tgt Ion:164 Resp: 2137  
Ion Ratio Lower Upper  
164 100  
166 114.2 101.8 152.8  
129 64.9 79.3 118.9#  
131 113.0 76.4 114.6



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001012.D

Acq: 19 Dec 2019 13:58

Instrument :

MSVOA\_Y

ClientSampleId :

TP2-6RE

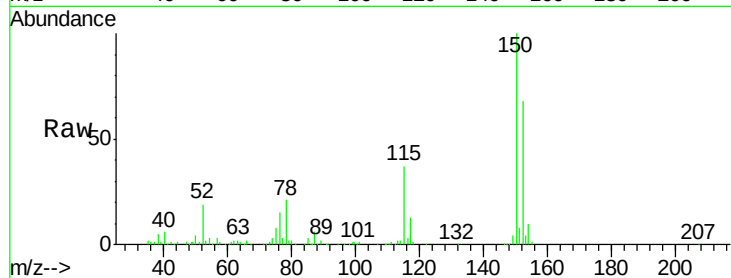
Tot Ion:152 Resp: 60054

Ion Ratio Lower Upper

152 100

115 58.4 29.3 87.8

150 159.0 0.0 351.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

