

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121919\  
 Data File : VY001010.D  
 Acq On : 19 Dec 2019 13:14  
 Operator : SY/MD  
 Sample : K6370-01RE  
 Misc : 5.00G/5ML/MSVOA Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-3RE

Quant Time: Dec 20 04:00:55 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

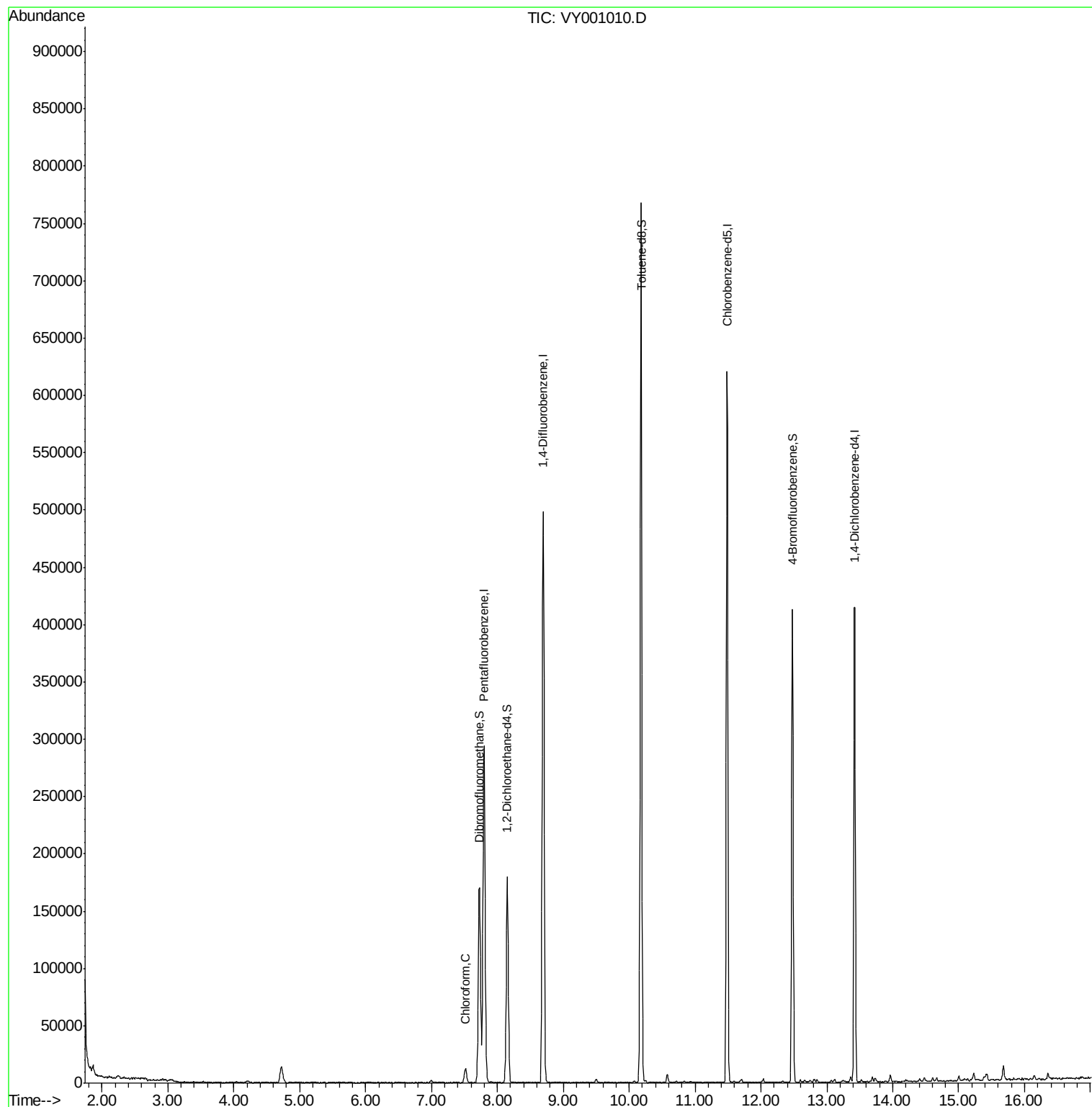
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 233314   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 436227   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 336197   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 104062   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 130993   | 52.84 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.68% |           |
| 35) Dibromofluoromethane    | 7.73  | 113  | 124720   | 49.06 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.12%  |           |
| 50) Toluene-d8              | 10.18 | 98   | 495421   | 48.74 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.48%  |           |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 129969   | 34.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 68.10%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 30) Chloroform              | 7.52  | 83   | 12250    | 2.458 | ug/l    | Qvalue 91 |

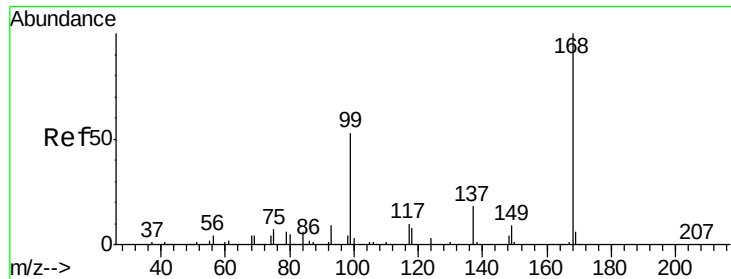
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY121919\  
Data File : VY001010.D  
Acq On : 19 Dec 2019 13:14  
Operator : SY/MD  
Sample : K6370-01RE  
Misc : 5.00G/5ML/MSVOA Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP1-3RE

Quant Time: Dec 20 04:00:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y112719S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 27 12:40:47 2019  
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: VY001010.D

Acq: 19 Dec 2019 13:14

Instrument :

MSVOA\_Y

ClientSampleId :

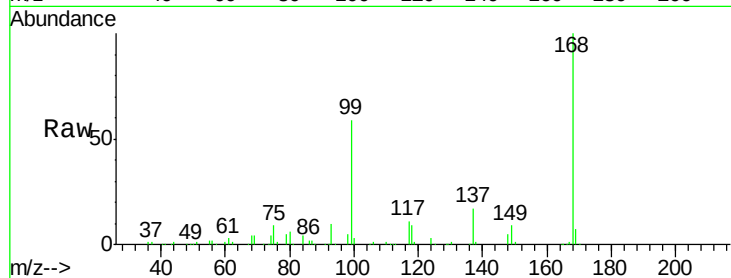
TP1-3RE

Tot Ion:168 Resp: 233314

Ion Ratio Lower Upper

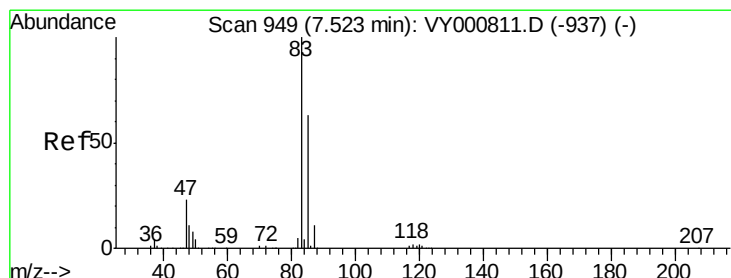
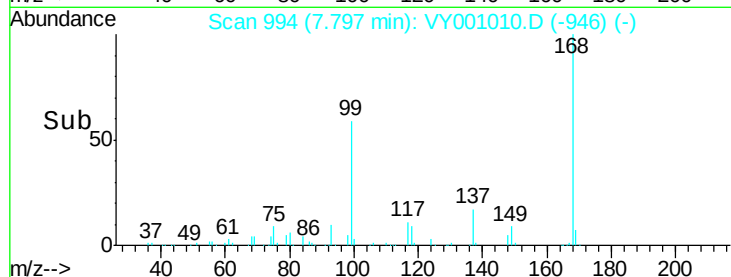
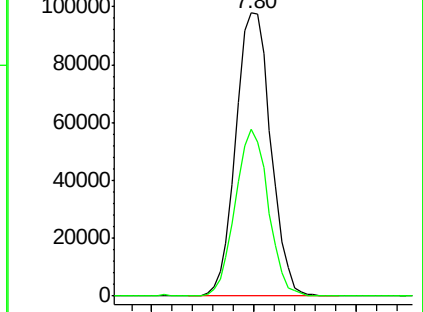
168 100

99 58.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY001010.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY001010.D (-946) (-)



#30

Chloroform

Concen: 2.458 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY001010.D

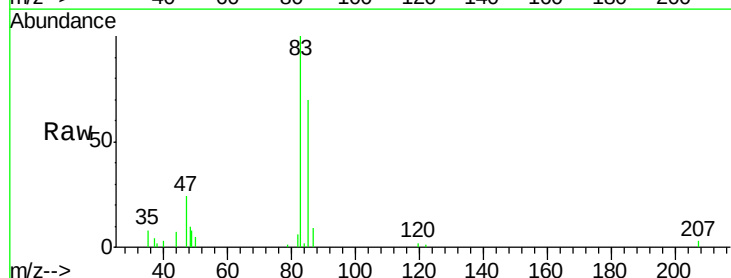
Acq: 19 Dec 2019 13:14

Tgt Ion: 83 Resp: 12250

Ion Ratio Lower Upper

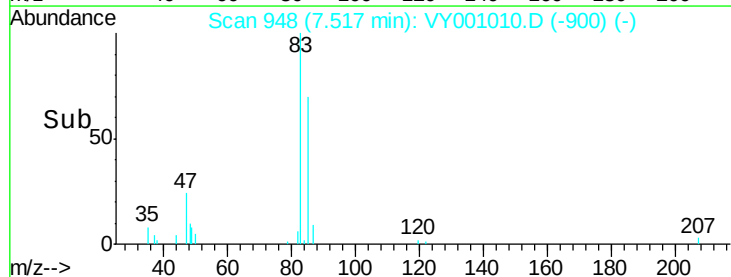
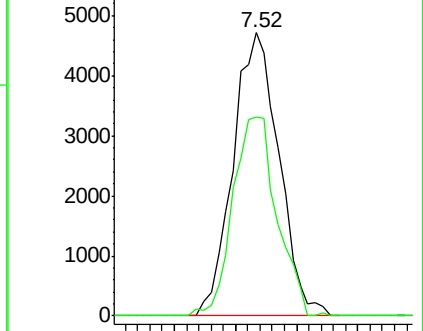
83 100

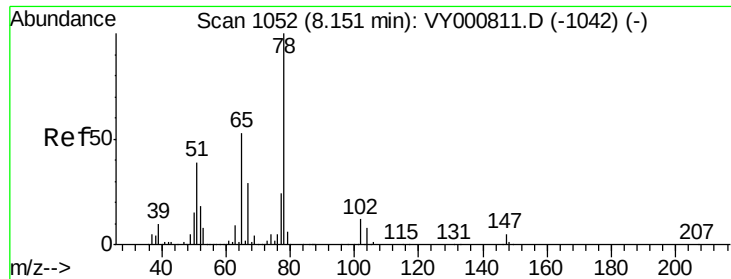
85 70.1 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VY001010.D (-900) (-)

Ion 84.90 (84.60 to 85.60): VY001010.D (-900) (-)

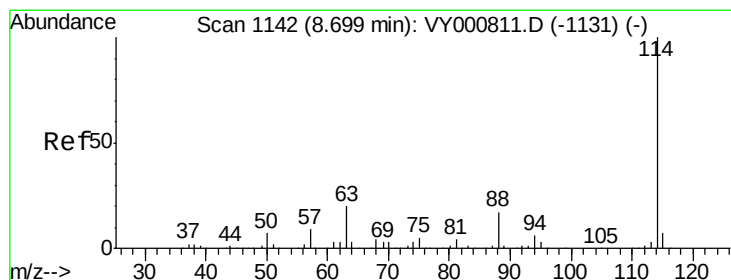
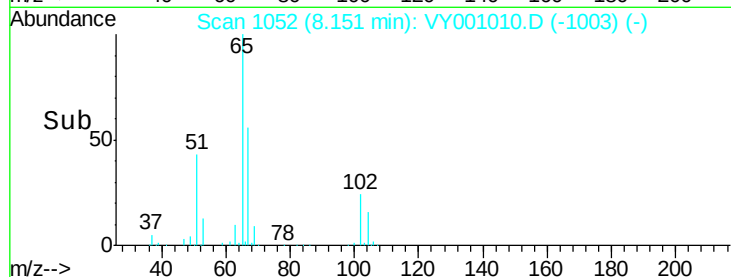
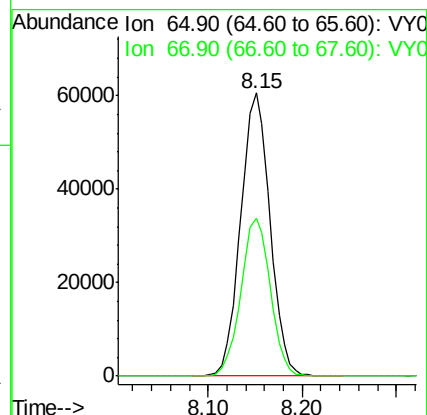
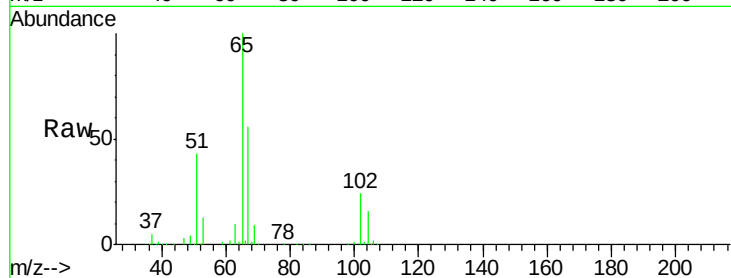




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.838 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. -0.00 min  
 Lab File: VY001010.D  
 Acq: 19 Dec 2019 13:14

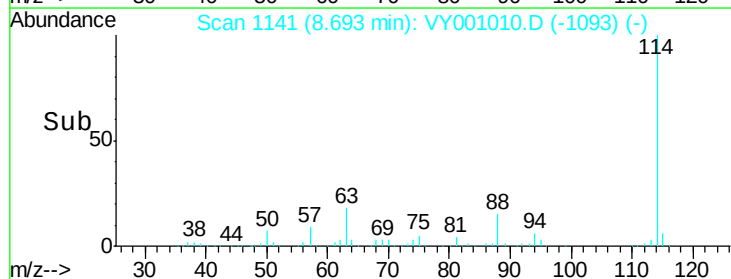
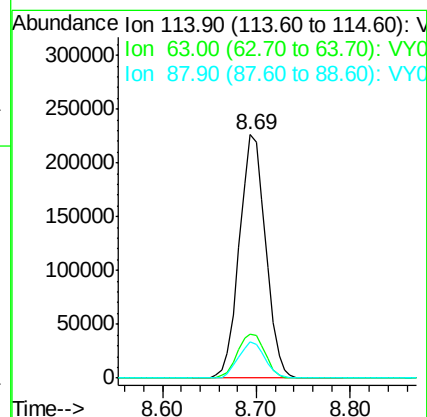
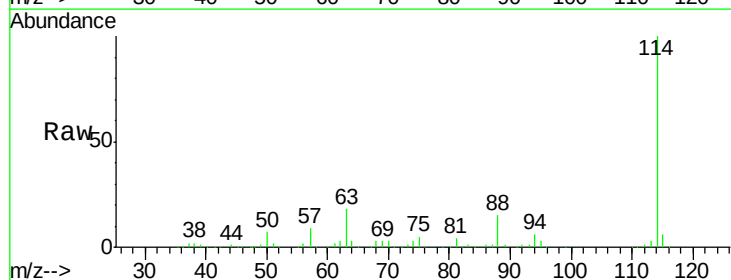
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-3RE

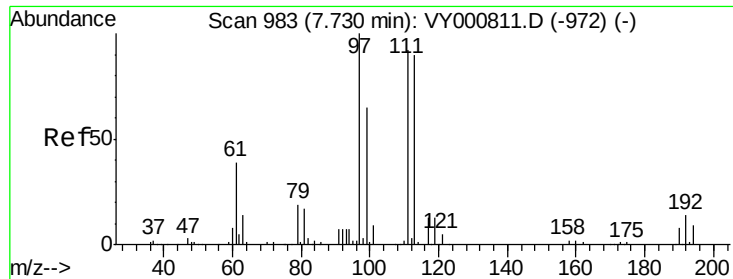
Tot Ion: 65 Resp: 130993  
 Ion Ratio Lower Upper  
 65 100  
 67 56.0 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY001010.D  
 Acq: 19 Dec 2019 13:14

Tgt Ion: 114 Resp: 436227  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 39.8  
 88 14.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.057 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY001010.D

Acq: 19 Dec 2019 13:14

Instrument :

MSVOA\_Y

ClientSampleId :

TP1-3RE

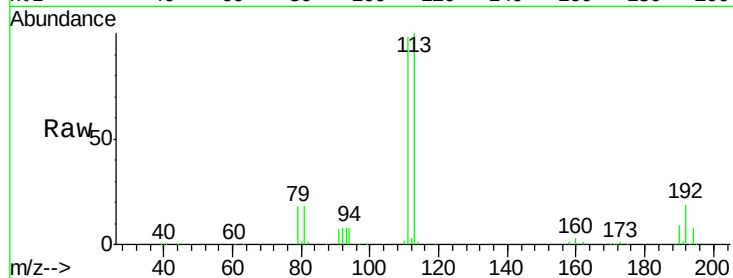
Tot Ion:113 Resp: 124720

Ion Ratio Lower Upper

113 100

111 104.3 82.4 123.6

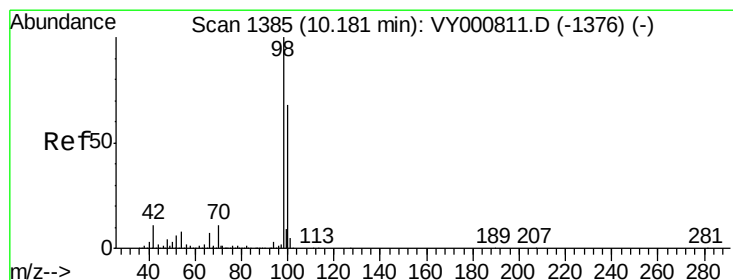
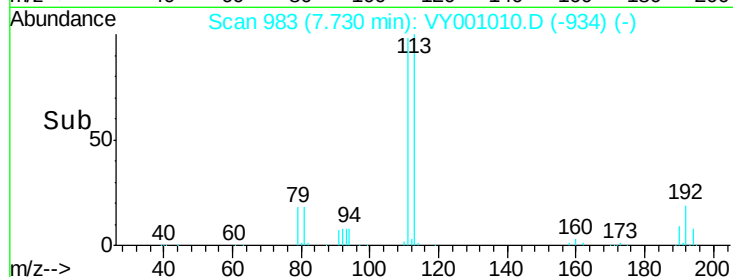
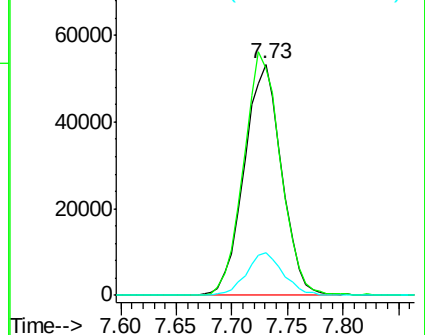
192 18.0 14.2 21.2



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: 48.742 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001010.D

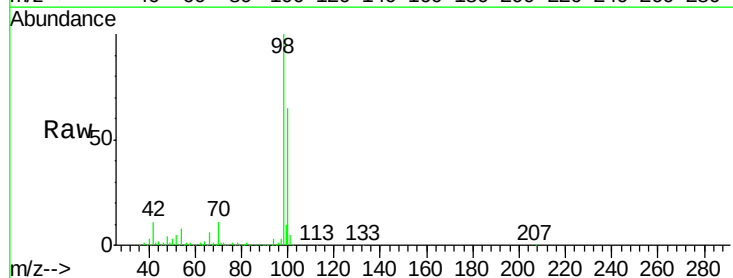
Acq: 19 Dec 2019 13:14

Tgt Ion: 98 Resp: 495421

Ion Ratio Lower Upper

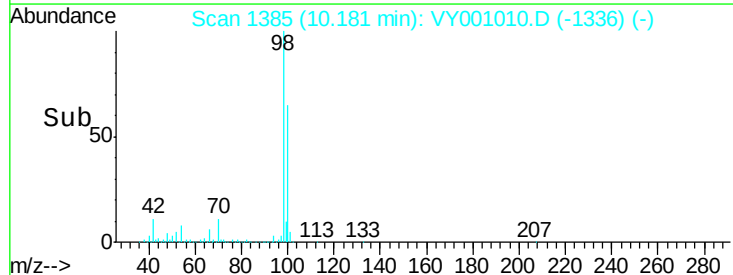
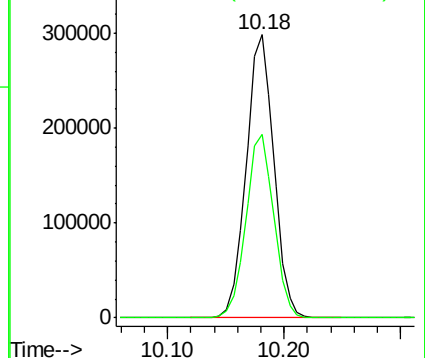
98 100

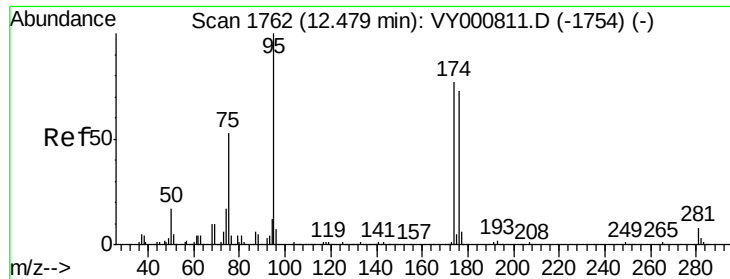
100 65.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

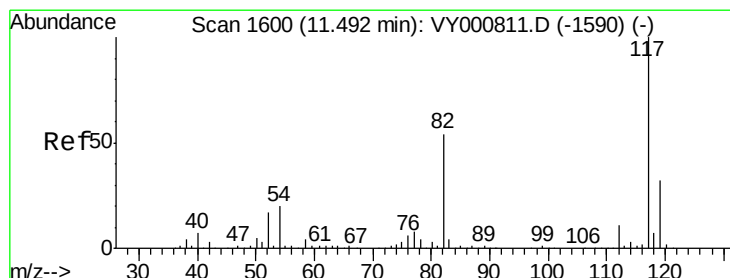
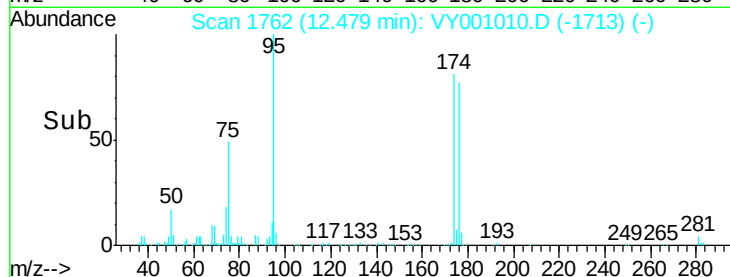
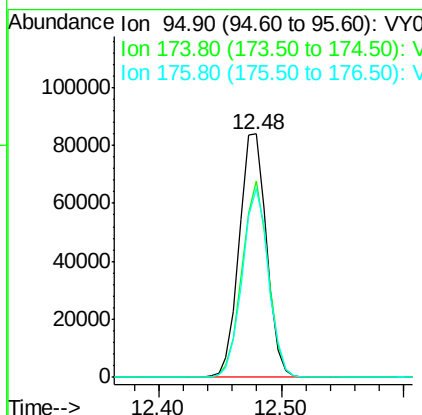
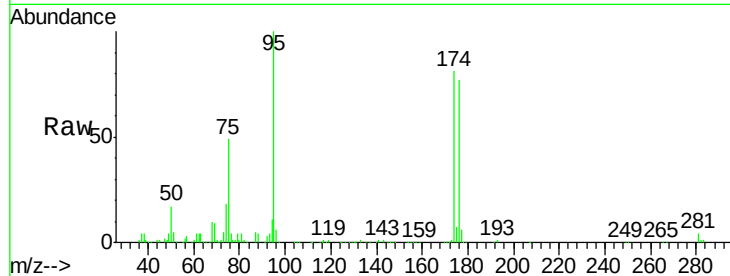




#62  
4-Bromofluorobenzene  
Concen: 34.049 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. -0.00 min  
Lab File: VY001010.D  
Acq: 19 Dec 2019 13:14

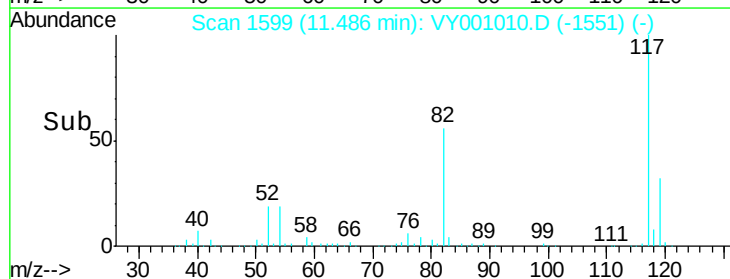
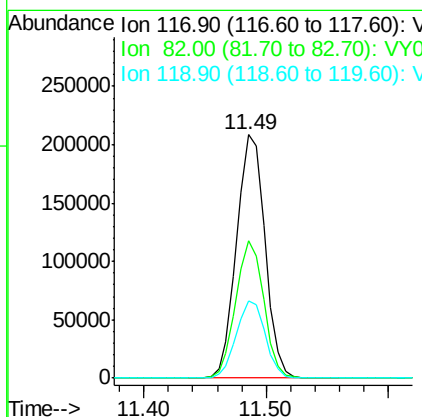
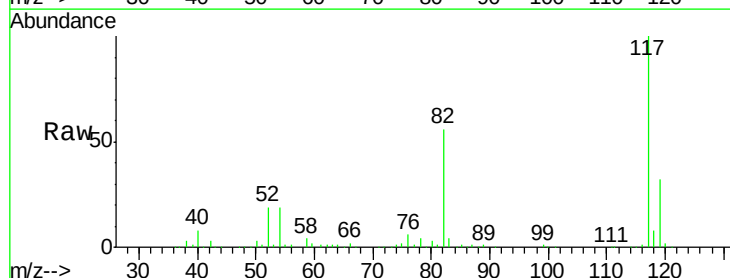
Instrument :  
MSVOA\_Y  
ClientSampled :  
TP1-3RE

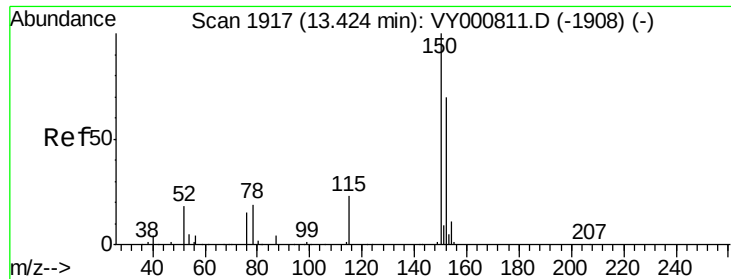
Tot Ion: 95 Resp: 129969  
Ion Ratio Lower Upper  
95 100  
174 77.1 0.0 150.6  
176 74.5 0.0 145.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY001010.D  
Acq: 19 Dec 2019 13:14

Tgt Ion: 117 Resp: 336197  
Ion Ratio Lower Upper  
117 100  
82 56.4 43.1 64.7  
119 31.8 25.3 37.9



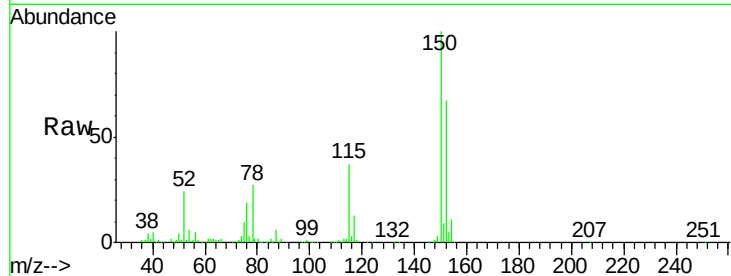


#72

1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.42 min Scan# 1916  
 Delta R.T. -0.01 min  
 Lab File: VY001010.D  
 Acq: 19 Dec 2019 13:14

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP1-3RE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 58.6  | 29.3  | 87.8  |
| 150     | 158.8 | 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

