

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\  
 Data File : VY000751.D  
 Acq On : 20 Nov 2019 13:37  
 Operator : SY/MD  
 Sample : K5940-01  
 Misc : 5.09G/5ML/MSVOA Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 33RD-ST-7TH-AVE-EAST-COMP

Quant Time: Nov 21 07:57:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 30 13:30:53 2019  
 Response via : Initial Calibration

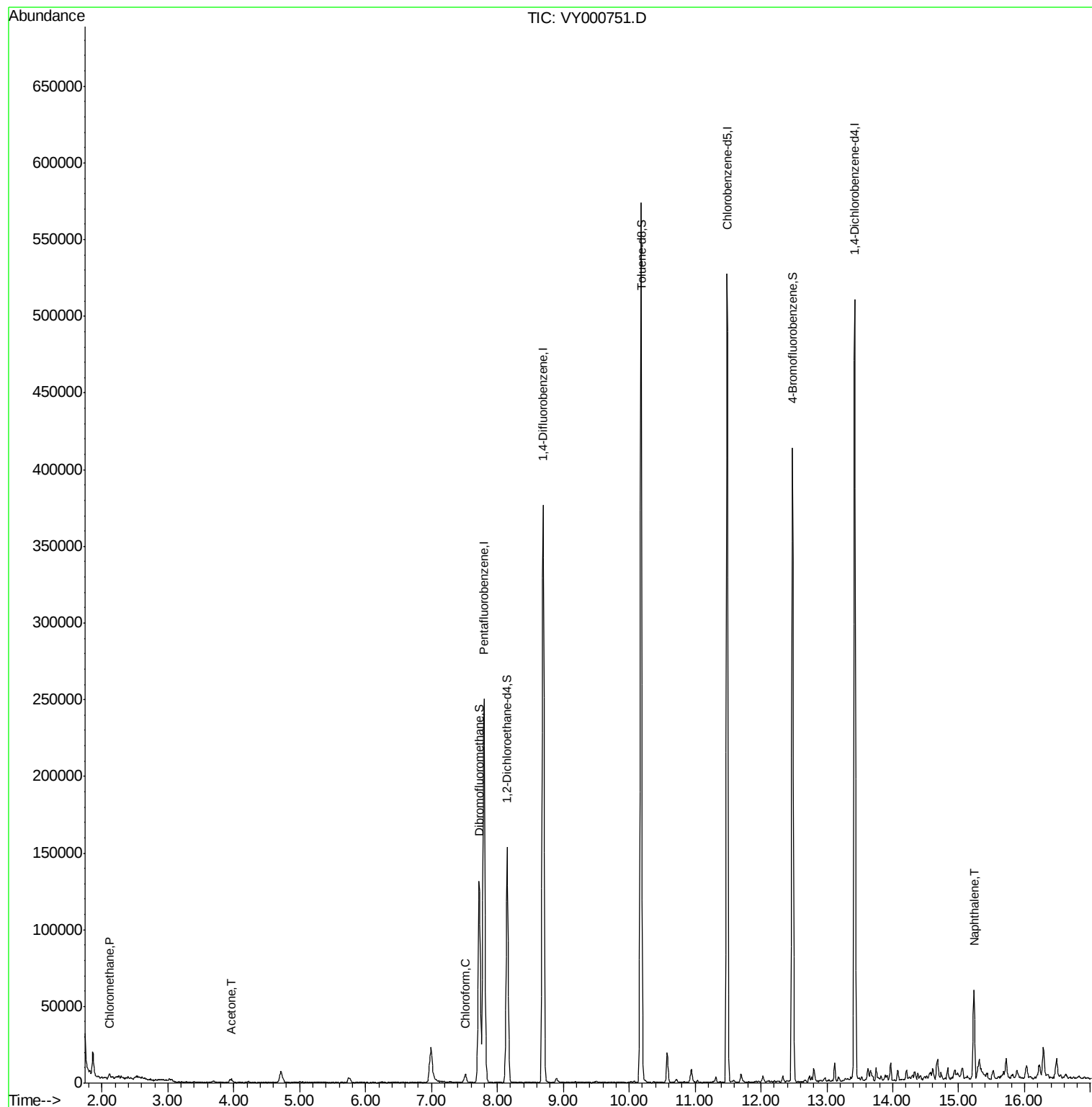
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.80  | 168  | 183451   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.69  | 114  | 316287   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.49 | 117  | 276279   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.42 | 152  | 121463   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.15  | 65   | 113226   | 59.64 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 119.28% |          |
| 35) Dibromofluoromethane    | 7.72  | 113  | 93338    | 50.27 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.54% |          |
| 50) Toluene-d8              | 10.18 | 98   | 360298   | 51.14 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.28% |          |
| 62) 4-Bromofluorobenzene    | 12.48 | 95   | 120249   | 44.83 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.66%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 2.11  | 50   | 2623     | 1.054 | ug/l #  | 81       |
| 16) Acetone                 | 3.96  | 43   | 4144     | 7.920 | ug/l    | 95       |
| 30) Chloroform              | 7.52  | 83   | 5501     | 1.550 | ug/l    | 91       |
| 95) Naphthalene             | 15.23 | 128  | 44715    | 8.177 | ug/l    | 99       |

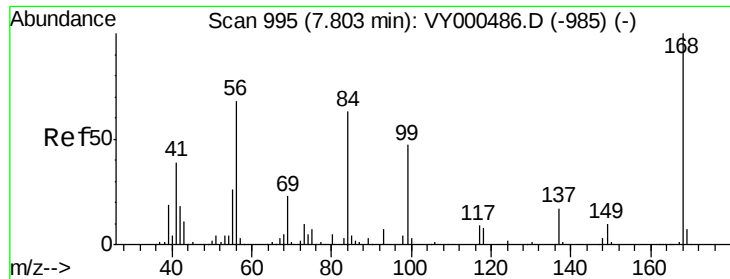
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112019\  
Data File : VY000751.D  
Acq On : 20 Nov 2019 13:37  
Operator : SY/MD  
Sample : K5940-01  
Misc : 5.09G/5ML/MSVOA Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
33RD-ST-7TH-AVE-EAST-COMP

Quant Time: Nov 21 07:57:28 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_Y\METHODS\82Y103019S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 30 13:30:53 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: VY000751.D

Acq: 20 Nov 2019 13:37

Instrument :

MSVOA\_Y

ClientSampleId :

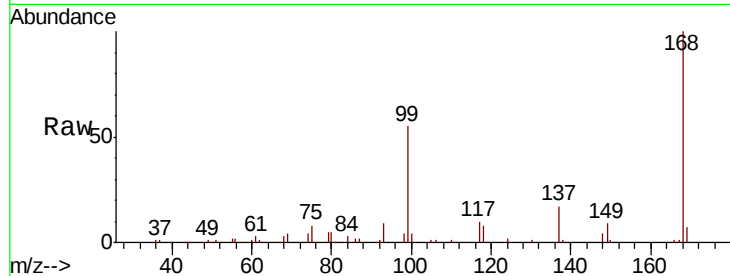
33RD-ST-7TH-AVE-EAST-COMP

Tot Ion:168 Resp: 183451

Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

100000

80000

60000

40000

20000

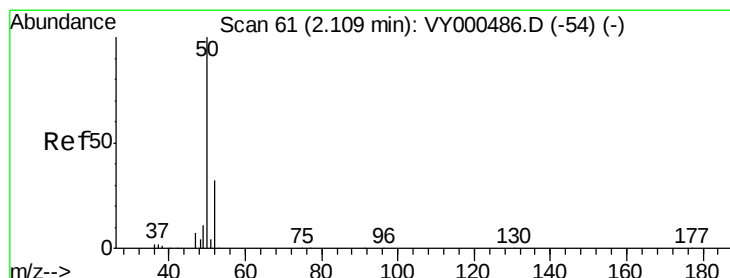
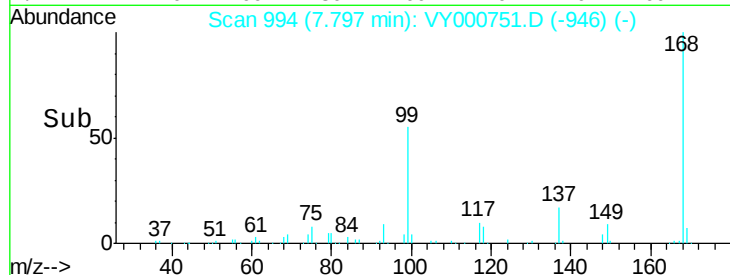
0

Time-->

7.70

7.80

7.90



#3

Chloromethane

Concen: 1.054 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY000751.D

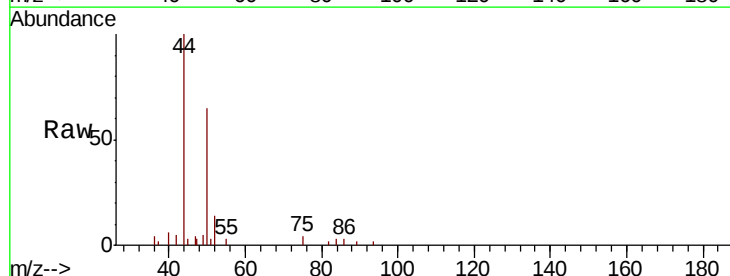
Acq: 20 Nov 2019 13:37

Tgt Ion: 50 Resp: 2623

Ion Ratio Lower Upper

50 100

52 21.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)

2.11

2000

1500

1000

500

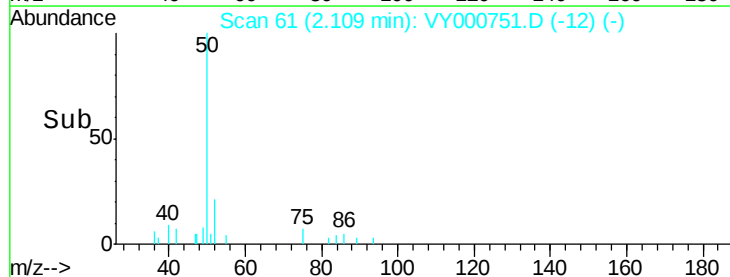
0

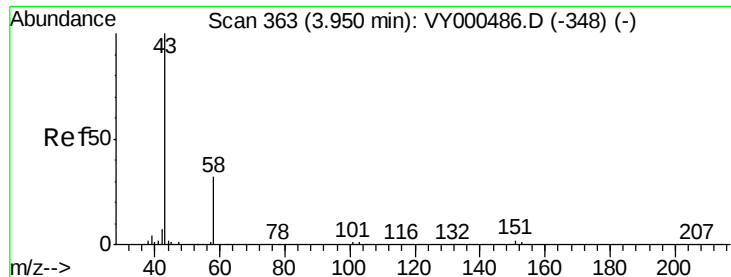
Time-->

2.05

2.10

2.15





#16

Acetone

Concen: 7.920 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000751.D

Acq: 20 Nov 2019 13:37

Instrument :

MSVOA\_Y

ClientSampleId :

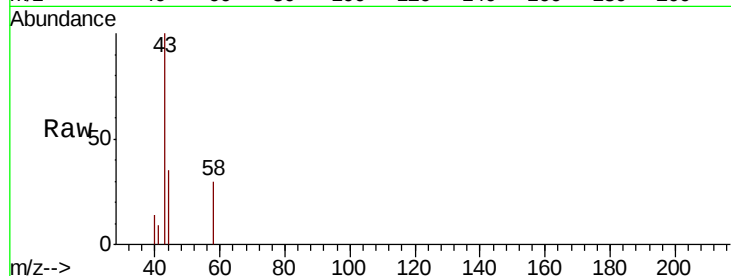
33RD-ST-7TH-AVE-EAST-COMP

Tot Ion: 43 Resp: 4144

Ion Ratio Lower Upper

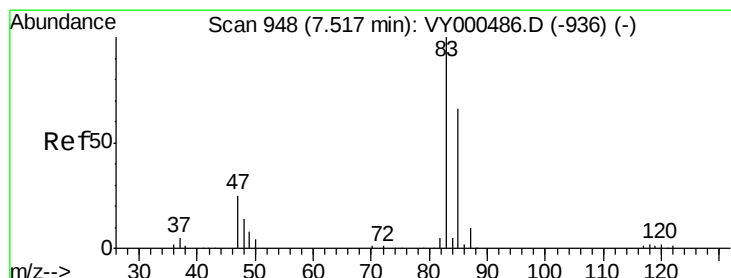
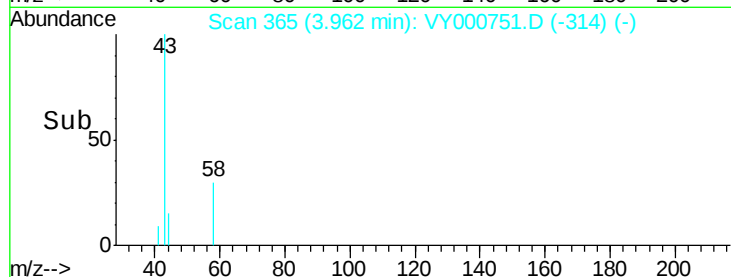
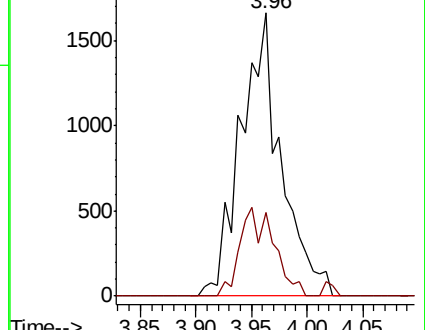
43 100

58 29.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000751.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY000751.D (-314) (-)



#30

Chloroform

Concen: 1.550 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000751.D

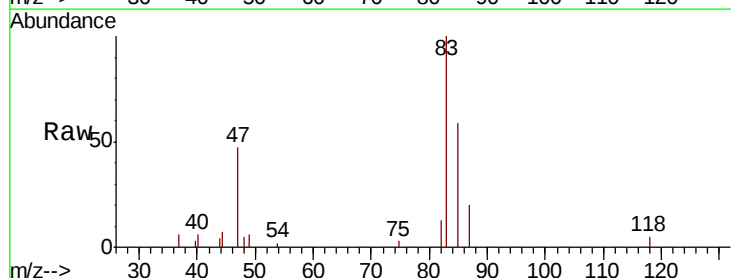
Acq: 20 Nov 2019 13:37

Tgt Ion: 83 Resp: 5501

Ion Ratio Lower Upper

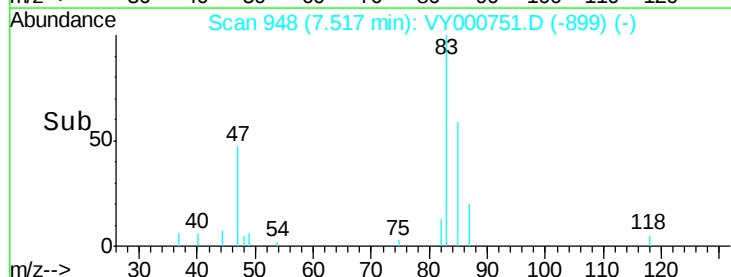
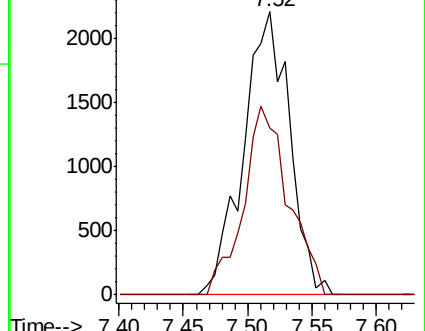
83 100

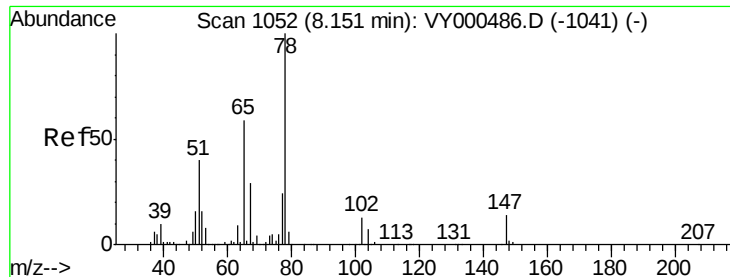
85 59.1 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VY000751.D (-899) (-)

Ion 84.90 (84.60 to 85.60): VY000751.D (-899) (-)

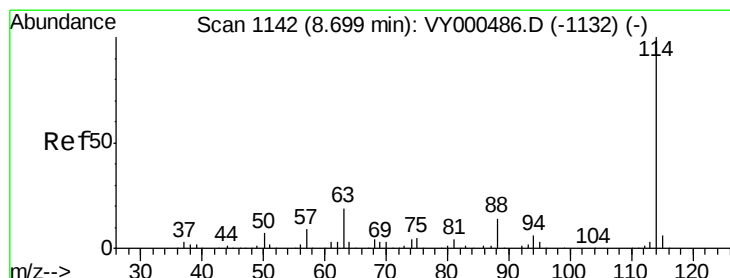
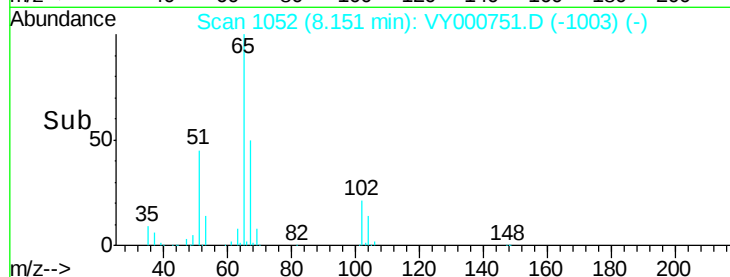
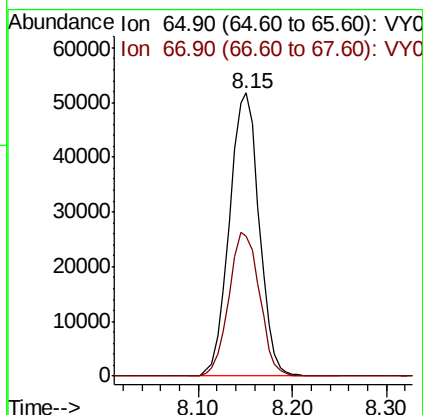
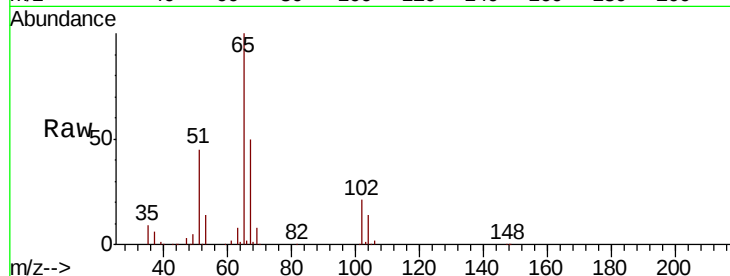




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.640 ug/l  
 RT: 8.15 min Scan# 1052  
 Delta R.T. 0.00 min  
 Lab File: VY000751.D  
 Acq: 20 Nov 2019 13:37

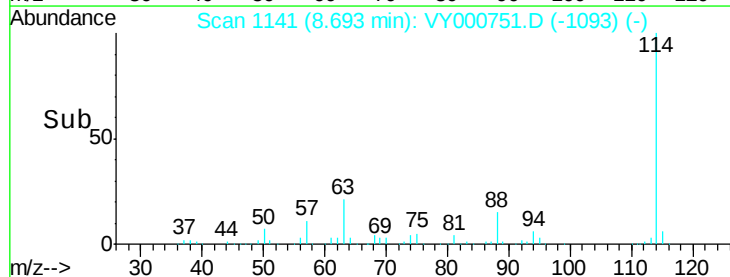
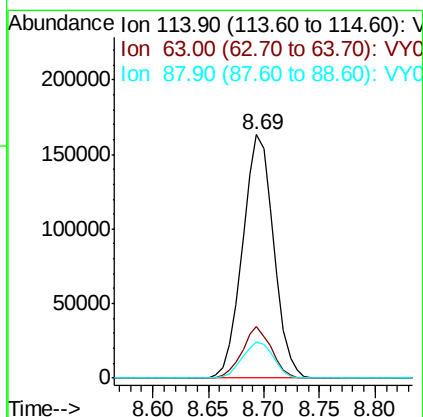
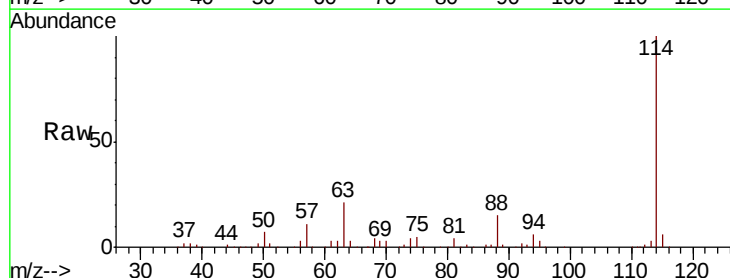
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 33RD-ST-7TH-AVE-EAST-COMP

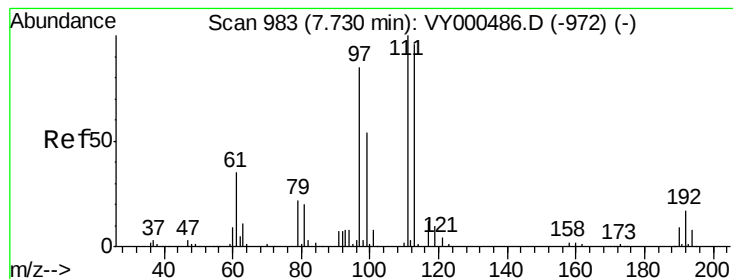
Tot Ion: 65 Resp: 113226  
 Ion Ratio Lower Upper  
 65 100  
 67 52.4 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.69 min Scan# 1141  
 Delta R.T. -0.01 min  
 Lab File: VY000751.D  
 Acq: 20 Nov 2019 13:37

Tgt Ion: 114 Resp: 316287  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 38.0  
 88 14.7 0.0 28.6





#35

Dibromofluoromethane

Concen: 50.268 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000751.D

Acq: 20 Nov 2019 13:37

Instrument :

MSVOA\_Y

ClientSampleId :

33RD-ST-7TH-AVE-EAST-COMP

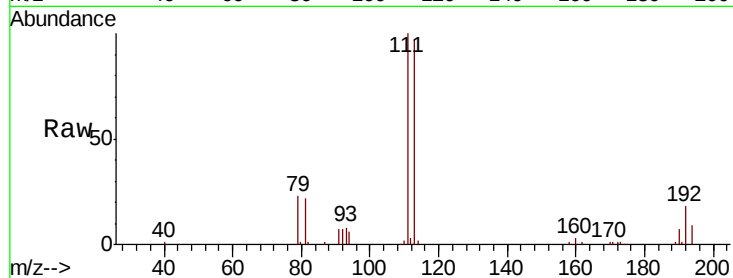
Tot Ion:113 Resp: 93338

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

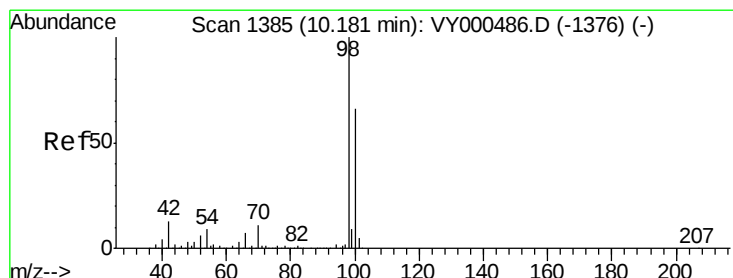
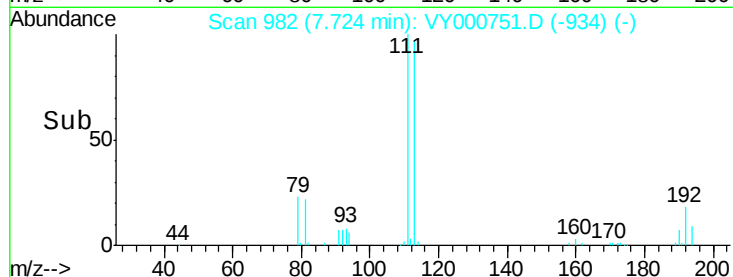
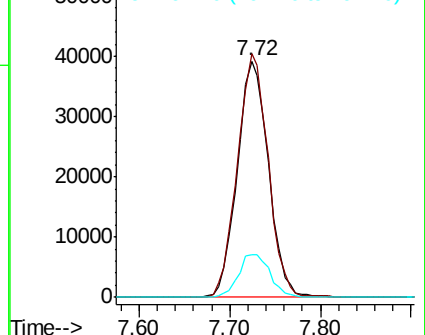
192 18.4 15.0 22.4



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: 51.138 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000751.D

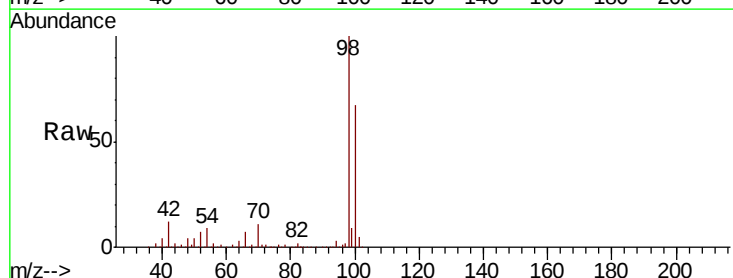
Acq: 20 Nov 2019 13:37

Tgt Ion: 98 Resp: 360298

Ion Ratio Lower Upper

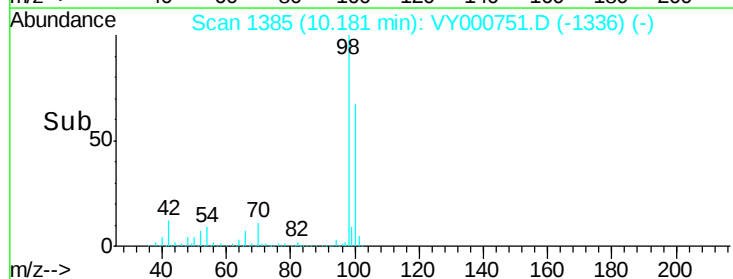
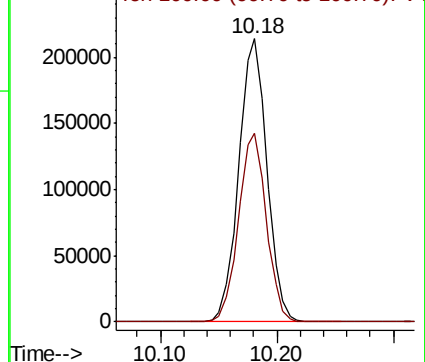
98 100

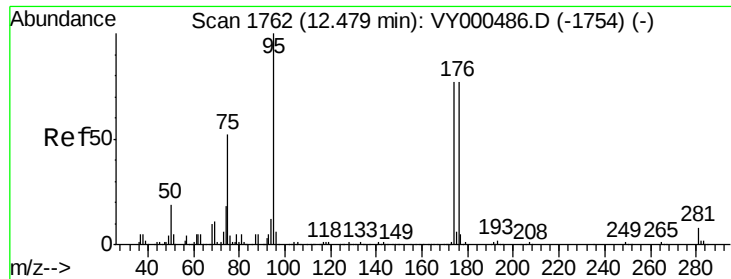
100 65.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

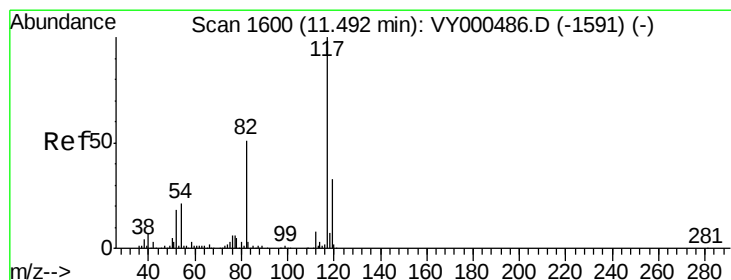
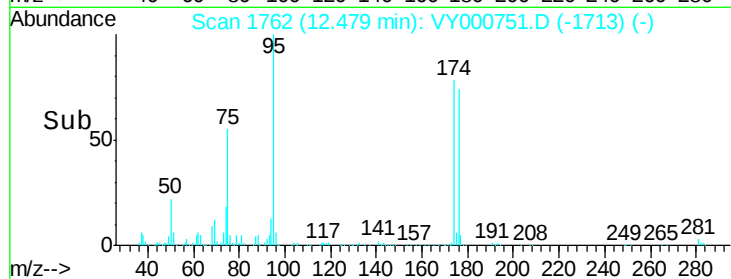
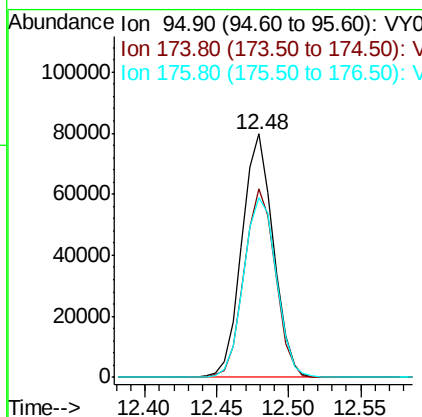
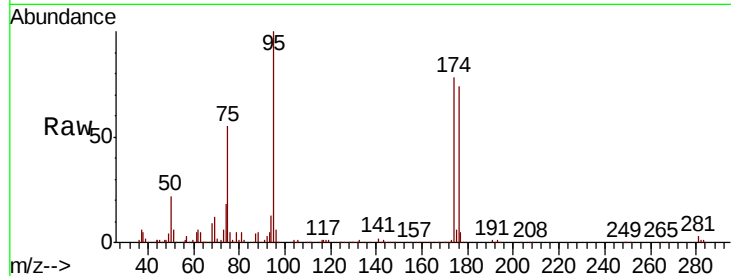




#62  
4-Bromofluorobenzene  
Concen: 44.832 ug/l  
RT: 12.48 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VY000751.D  
Acq: 20 Nov 2019 13:37

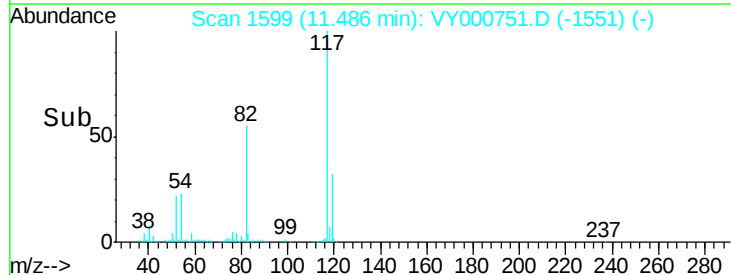
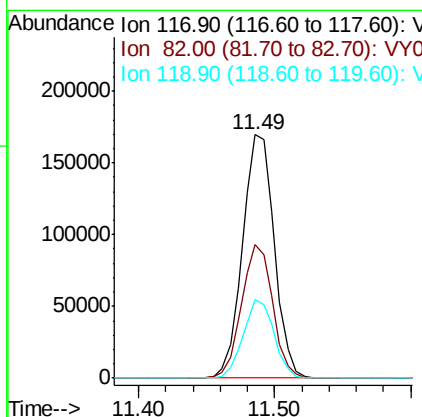
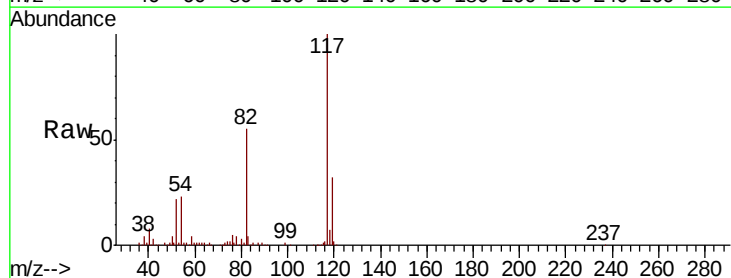
Instrument :  
MSVOA\_Y  
ClientSampleId :  
33RD-ST-7TH-AVE-EAST-COMP

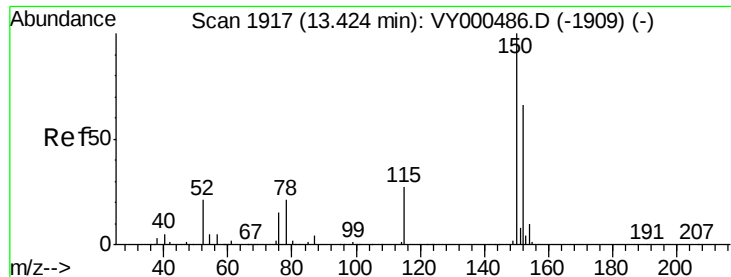
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.8  | 0.0   | 161.6 |
| 176     | 77.0  | 0.0   | 157.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: VY000751.D  
Acq: 20 Nov 2019 13:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.7  | 40.8  | 61.2  |
| 119     | 32.4  | 26.2  | 39.2  |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000751.D

Acq: 20 Nov 2019 13:37

Instrument :

MSVOA\_Y

ClientSampleId :

33RD-ST-7TH-AVE-EAST-COMP

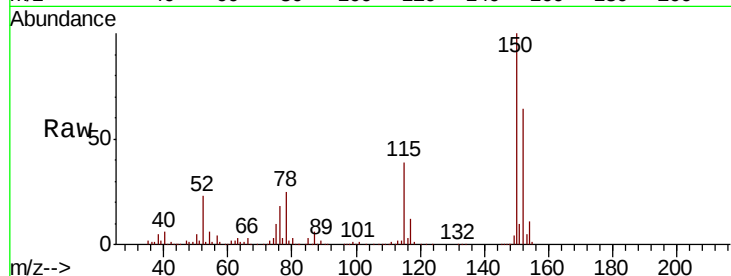
Tot Ion:152 Resp: 121463

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.4

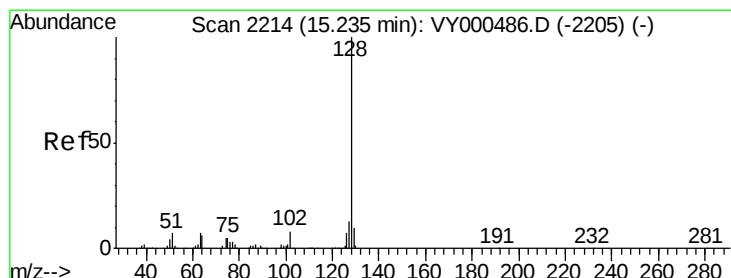
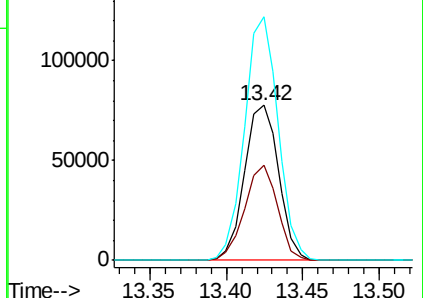
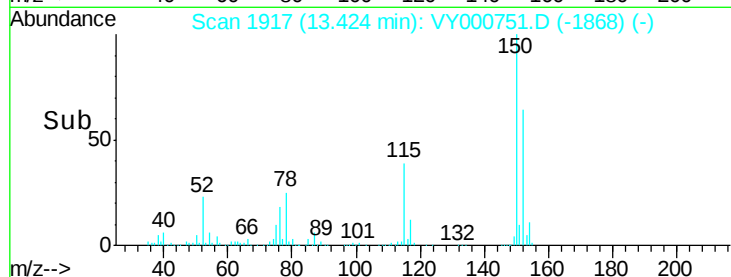
150 153.6 0.0 348.8



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



#95

Naphthalene

Concen: 8.177 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY000751.D

Acq: 20 Nov 2019 13:37

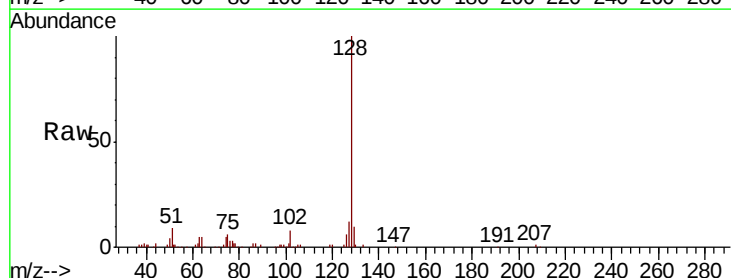
Tgt Ion:128 Resp: 44715

Ion Ratio Lower Upper

128 100

127 12.6 9.8 14.6

129 11.4 8.7 13.1



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

