

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041620\  
 Data File : VX015714.D  
 Acq On : 16 Apr 2020 16:00  
 Operator : JC/SP  
 Sample : L2276-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB180-GW-278-280

Quant Time: Apr 17 08:20:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 27 09:35:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 1038466  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 1631782  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 1542487  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 857079   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 631609   | 43.12 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.24%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 481869   | 46.20 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.40%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 1921462  | 50.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.06% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 808304   | 51.79 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.58% |          |

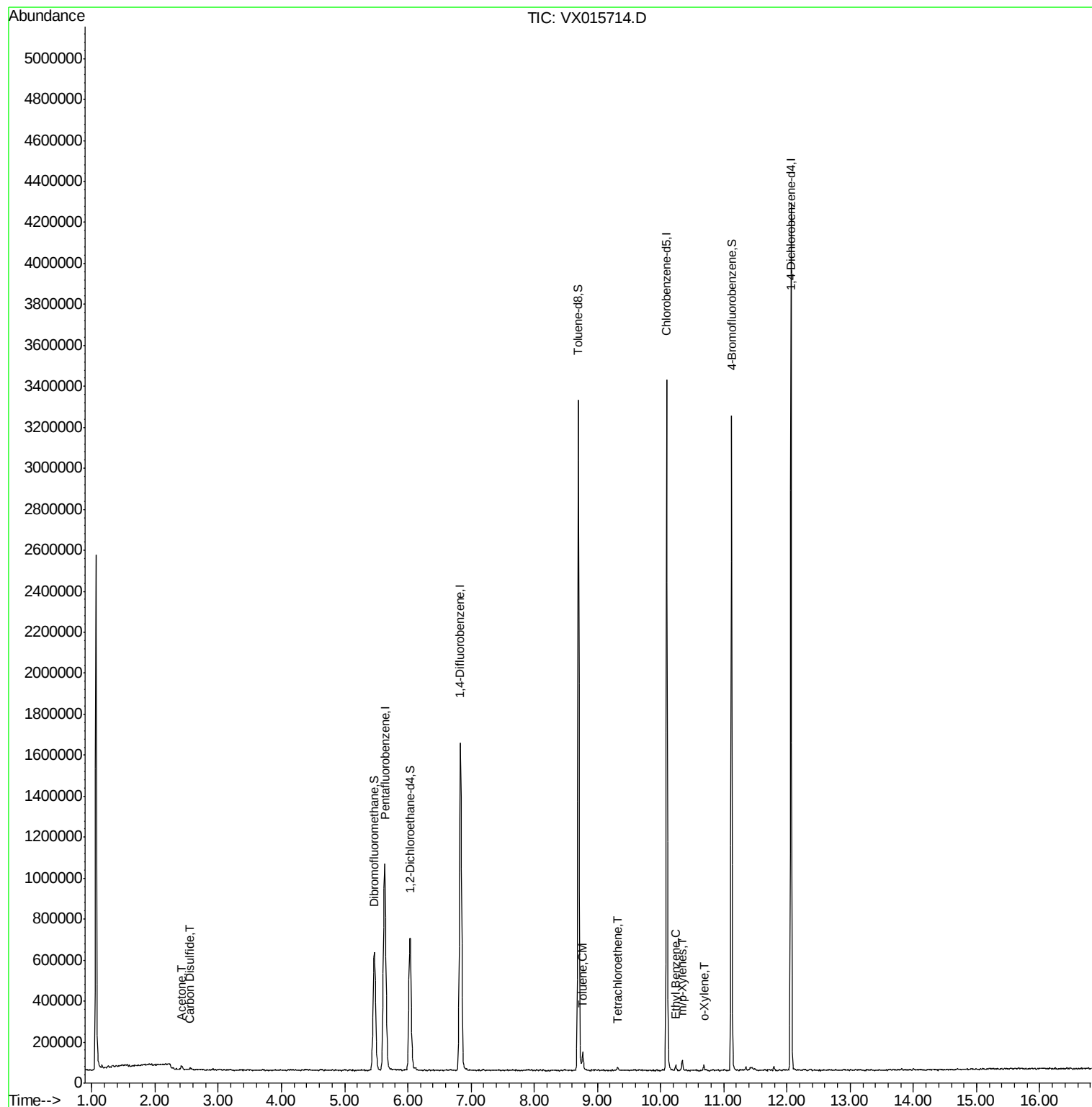
| Target Compounds      | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|-----------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone           | 2.42  | 43   | 23207    | 3.688 | ug/l  | 94     |
| 17) Carbon Disulfide  | 2.55  | 76   | 9099     | 0.304 | ug/l  | 98     |
| 52) Toluene           | 8.77  | 92   | 31186    | 1.149 | ug/l  | 90     |
| 64) Tetrachloroethene | 9.32  | 164  | 2840     | 0.244 | ug/l  | 92     |
| 67) Ethyl Benzene     | 10.24 | 91   | 17343    | 0.318 | ug/l  | 98     |
| 68) m/p-Xylenes       | 10.34 | 106  | 12468    | 0.614 | ug/l  | 96     |
| 69) o-Xylene          | 10.69 | 106  | 7995     | 0.398 | ug/l  | 67     |

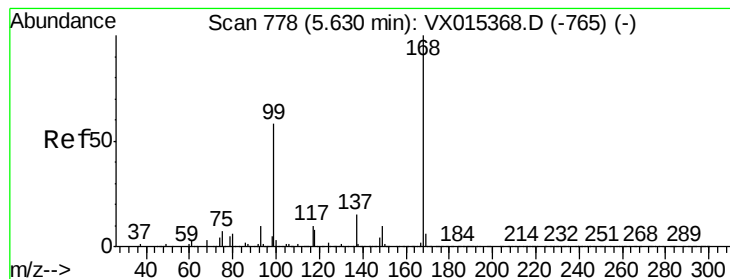
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041620\  
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BP-VPB180-GW-278-280

Quant Time: Apr 17 08:20:04 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X032720W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 27 09:35:51 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 778

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

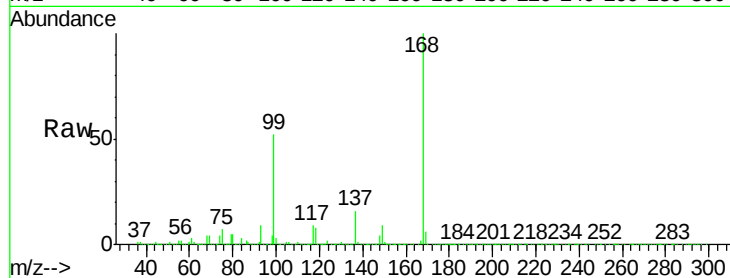
BP-VPB180-GW-278-280

Tot Ion:168 Resp: 1038466

Ion Ratio Lower Upper

168 100

99 52.0 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

400000

300000

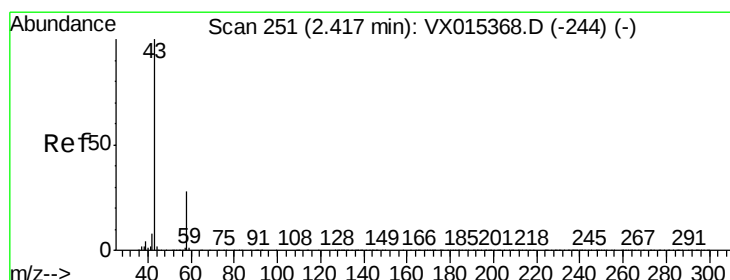
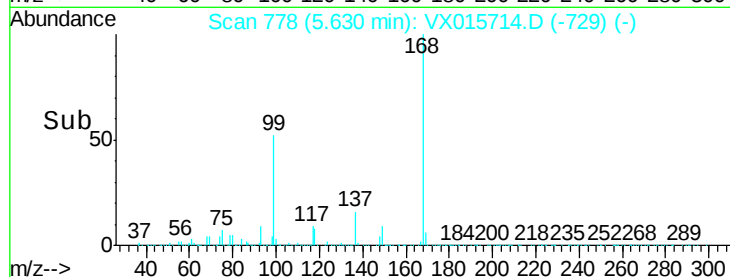
200000

100000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 3.688 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015714.D

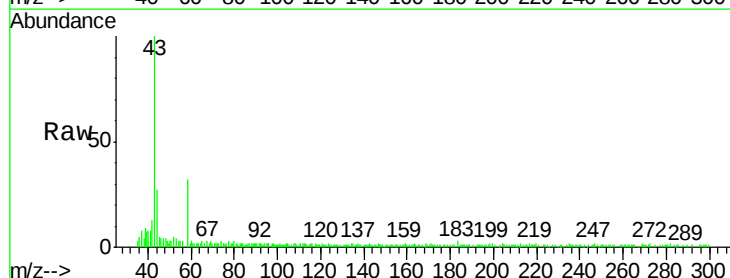
Acq: 16 Apr 2020 16:00

Tgt Ion: 43 Resp: 23207

Ion Ratio Lower Upper

43 100

58 30.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

15000

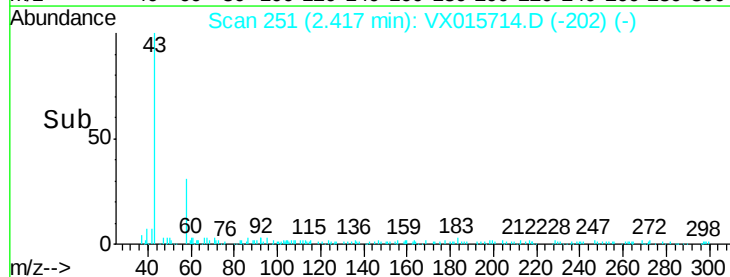
10000

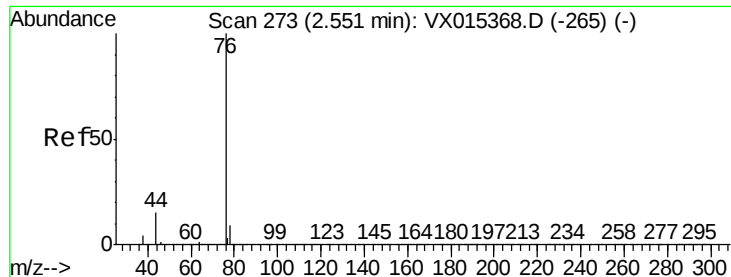
5000

0

2.35 2.40 2.45 2.50

Time-->





#17

Carbon Disulfide

Concen: 0.304 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

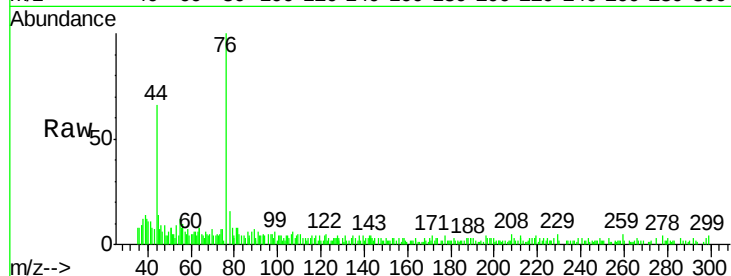
BP-VPB180-GW-278-280

Tot Ion: 76 Resp: 9099

Ion Ratio Lower Upper

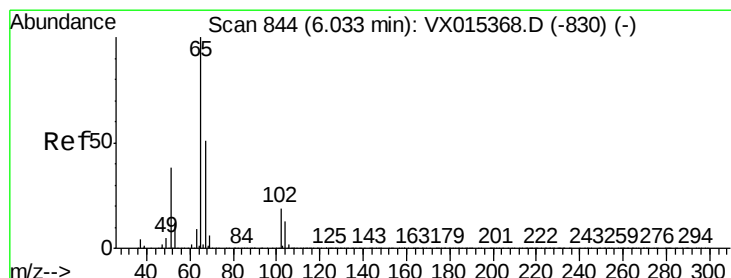
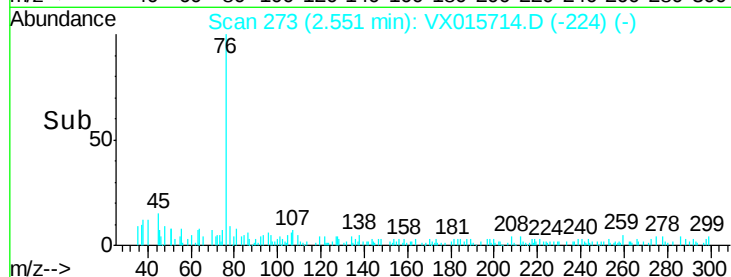
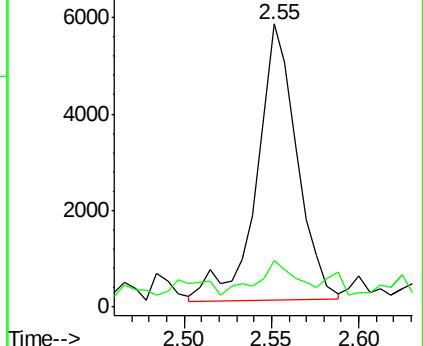
76 100

78 8.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 43.124 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.01 min

Lab File: VX015714.D

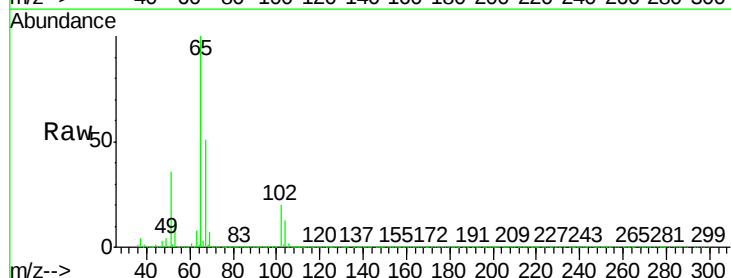
Acq: 16 Apr 2020 16:00

Tgt Ion: 65 Resp: 631609

Ion Ratio Lower Upper

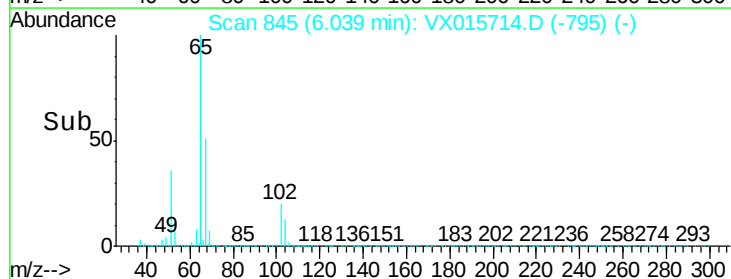
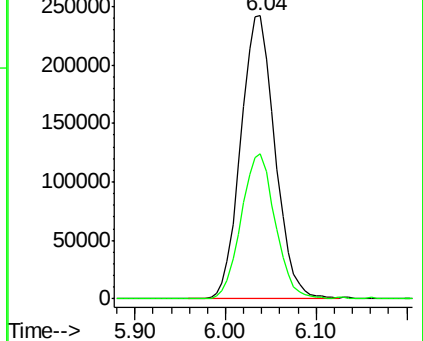
65 100

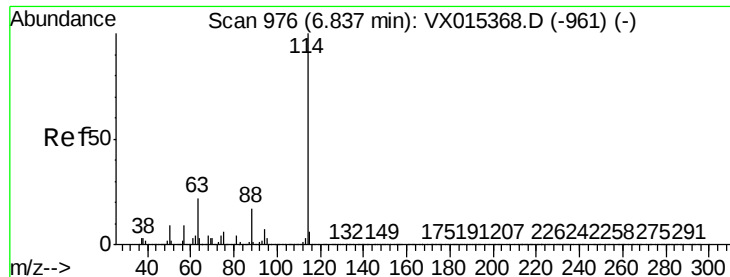
67 50.7 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB180-GW-278-280

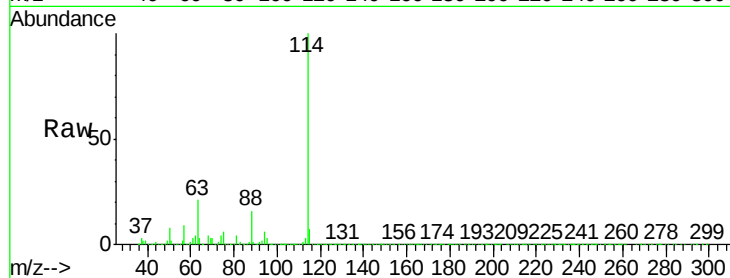
Tot Ion:114 Resp: 1631782

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

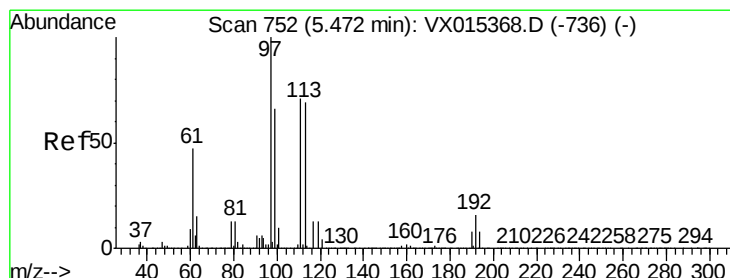
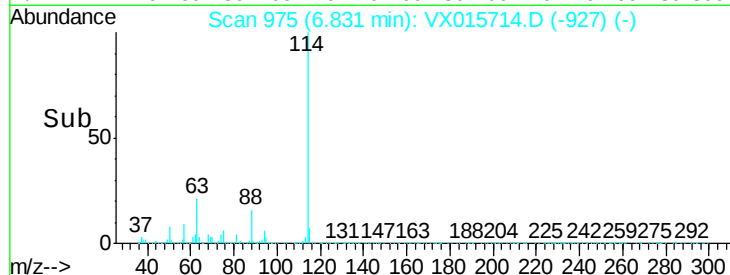
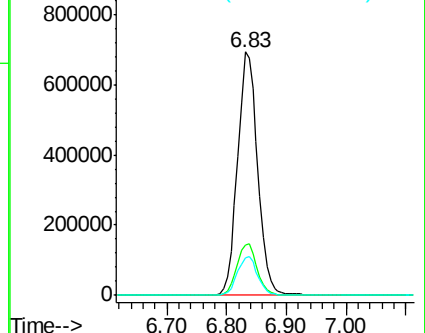
88 15.6 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 46.197 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

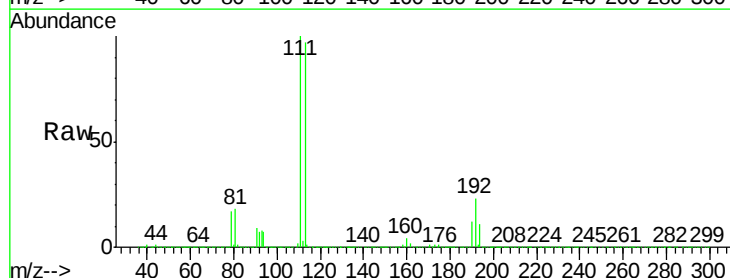
Tgt Ion:113 Resp: 481869

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

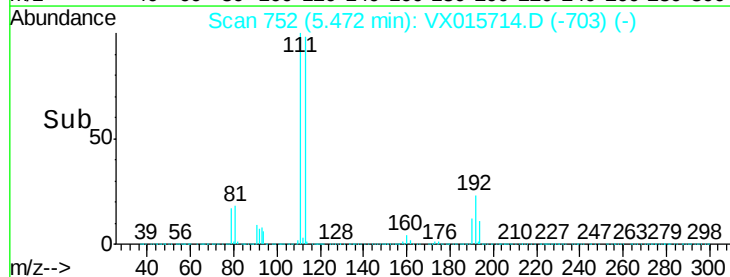
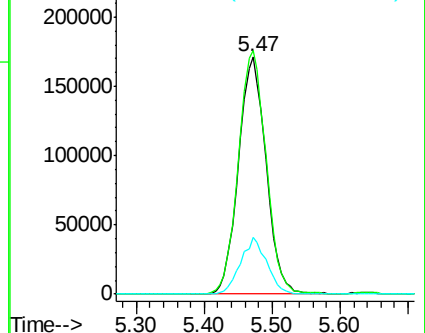
192 22.8 17.8 26.6

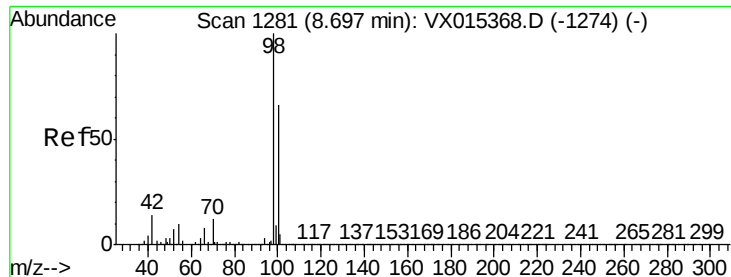


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.034 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

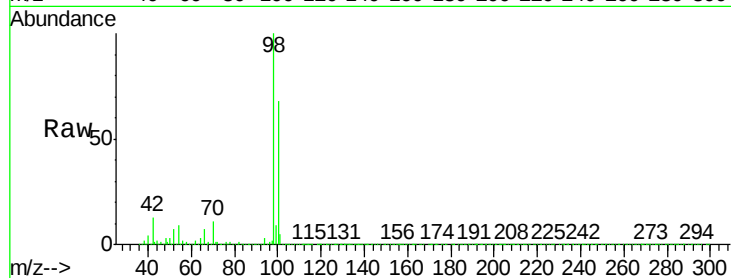
BP-VPB180-GW-278-280

Tot Ion: 98 Resp: 1921462

Ion Ratio Lower Upper

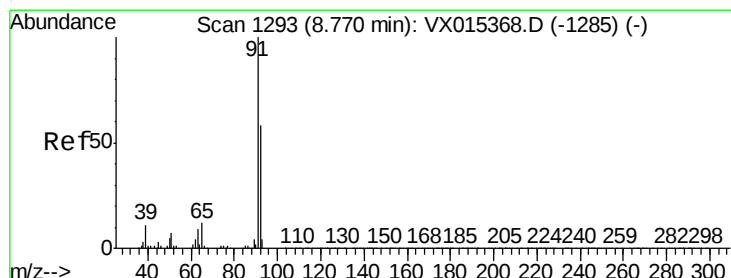
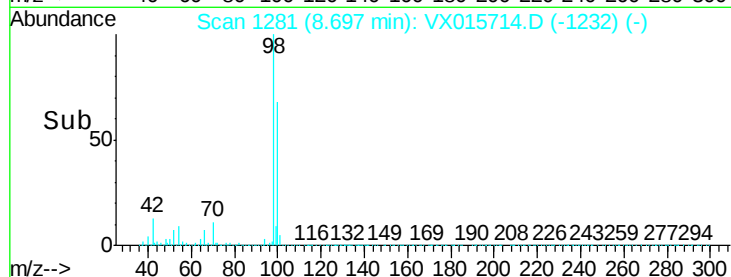
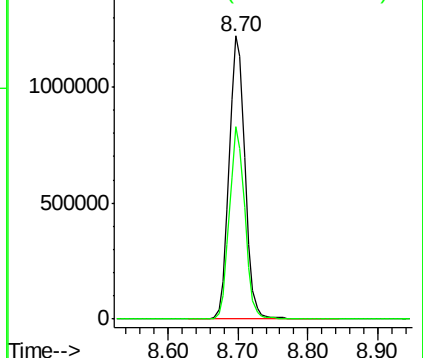
98 100

100 66.6 53.5 80.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 1.149 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015714.D

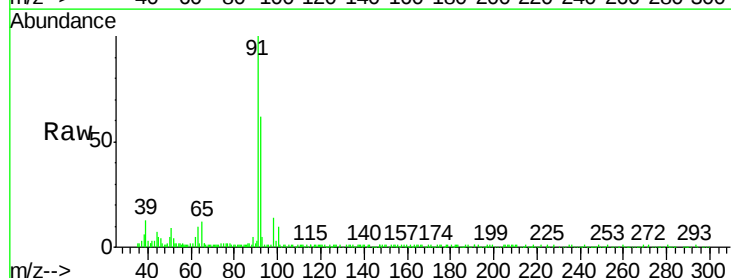
Acq: 16 Apr 2020 16:00

Tgt Ion: 92 Resp: 31186

Ion Ratio Lower Upper

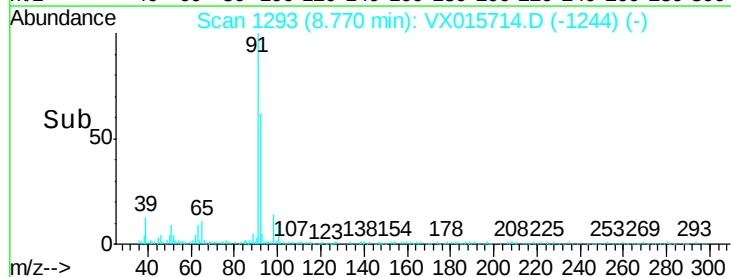
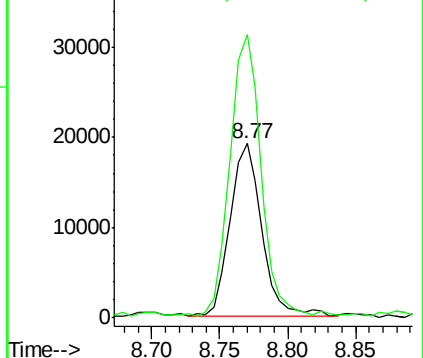
92 100

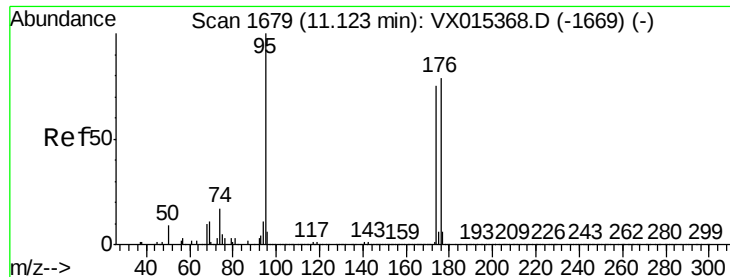
91 156.5 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 51.790 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB180-GW-278-280

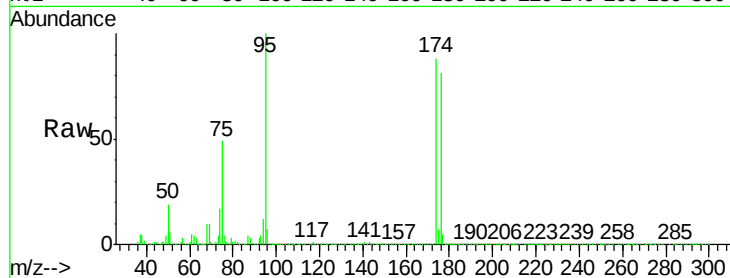
Tot Ion: 95 Resp: 808304

Ion Ratio Lower Upper

95 100

174 86.2 0.0 158.6

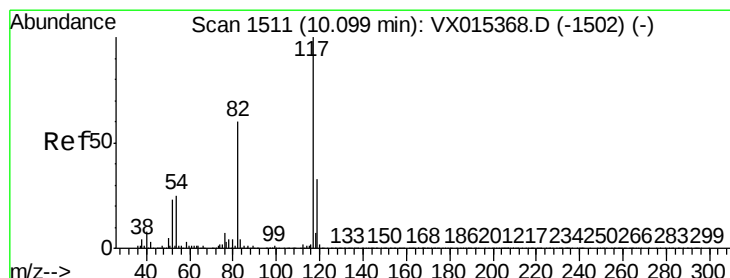
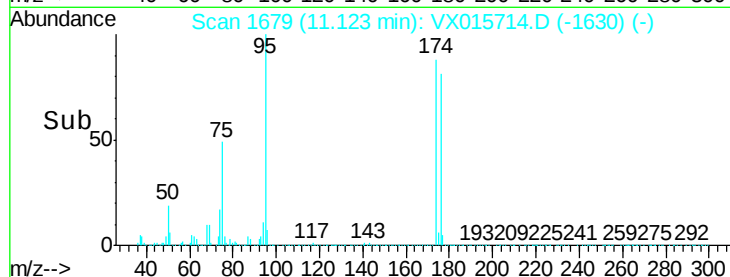
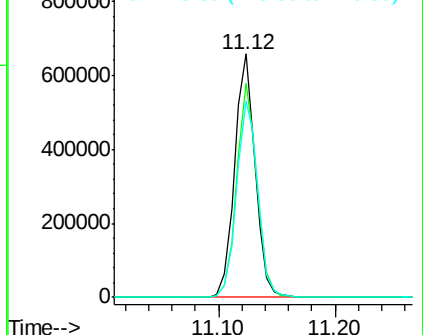
176 82.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

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: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

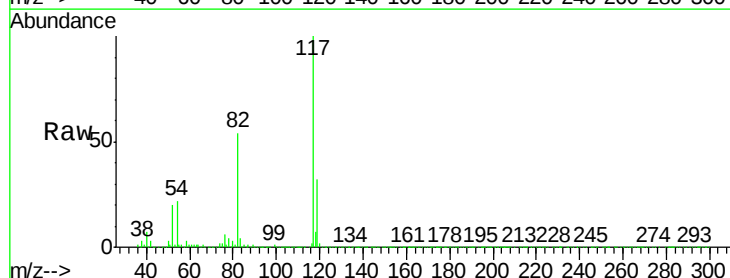
Tgt Ion: 117 Resp: 1542487

Ion Ratio Lower Upper

117 100

82 53.8 47.8 71.8

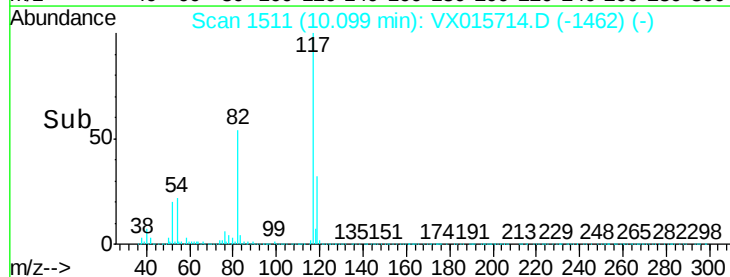
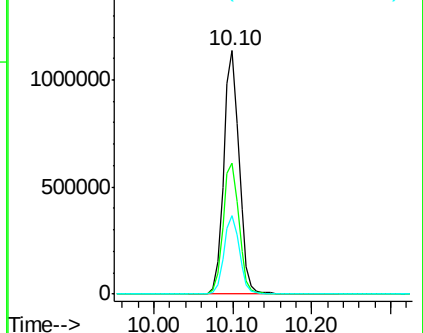
119 32.2 26.8 40.2

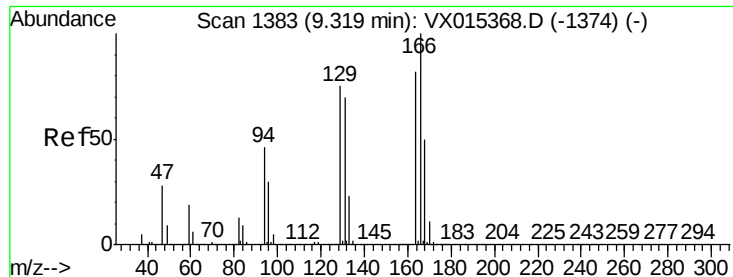


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.244 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. 0.01 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB180-GW-278-280

Tot Ion:164 Resp: 2840

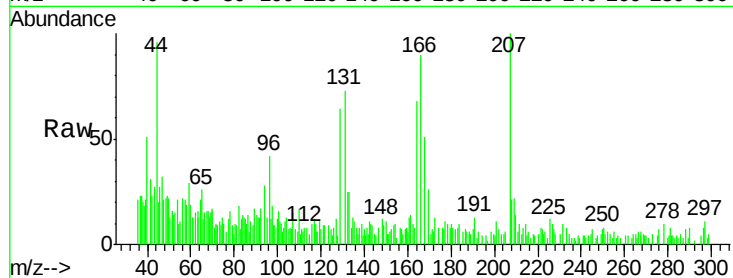
Ion Ratio Lower Upper

164 100

166 125.9 97.8 146.6

129 82.6 73.0 109.4

131 98.8 68.6 103.0

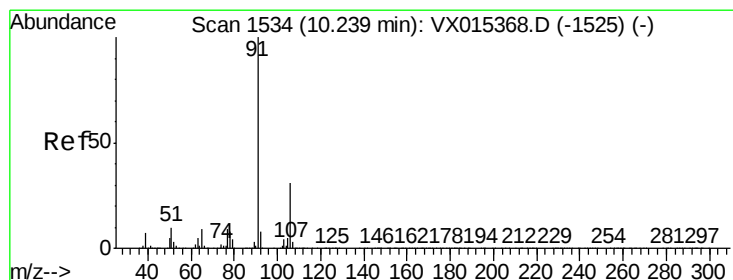
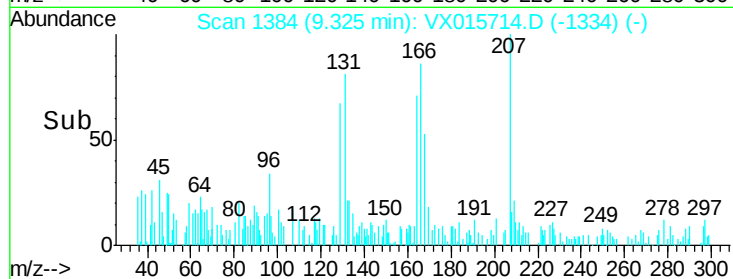
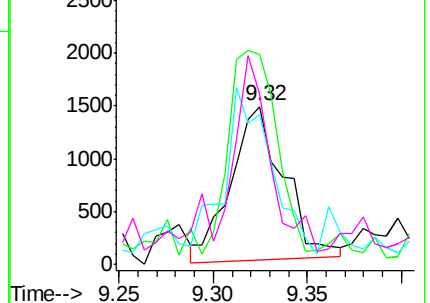


Abundance Ion 163.80 (163.50 to 164.50): V

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



#67

Ethyl Benzene

Concen: 0.318 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015714.D

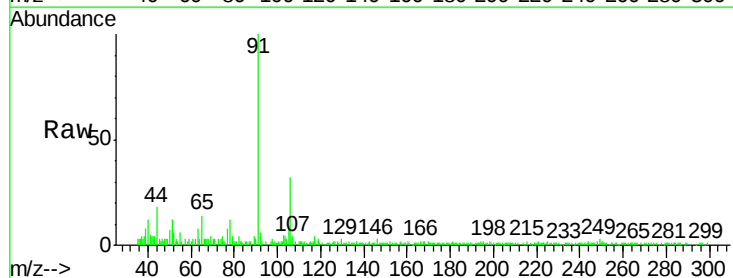
Acq: 16 Apr 2020 16:00

Tgt Ion: 91 Resp: 17343

Ion Ratio Lower Upper

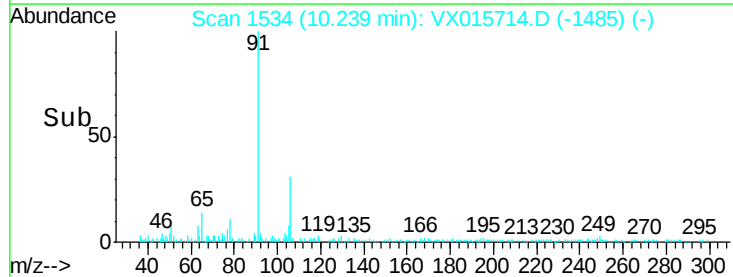
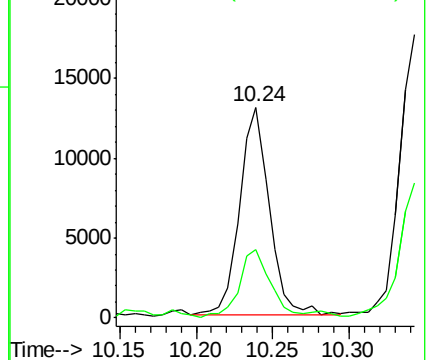
91 100

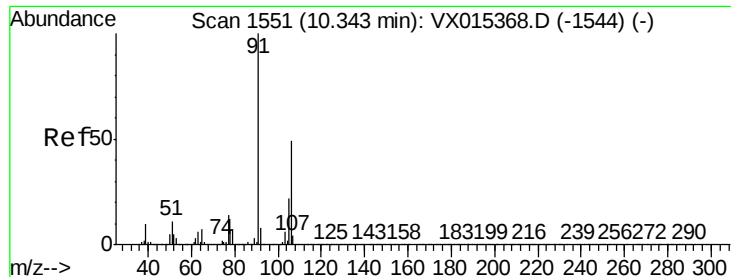
106 32.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

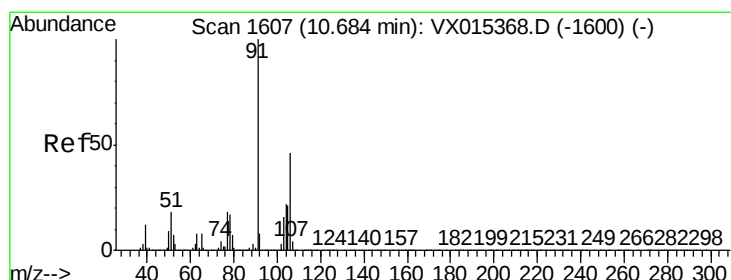
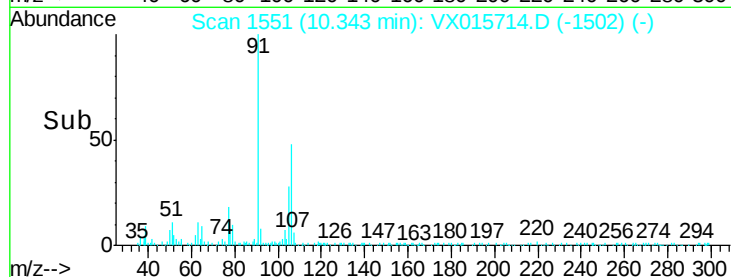
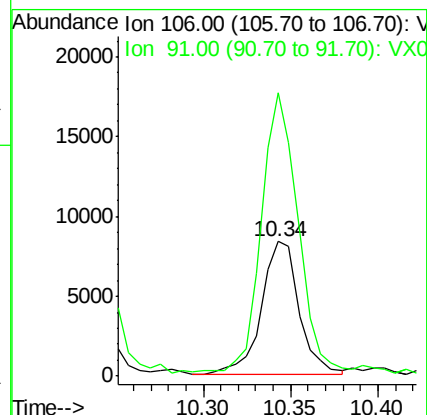
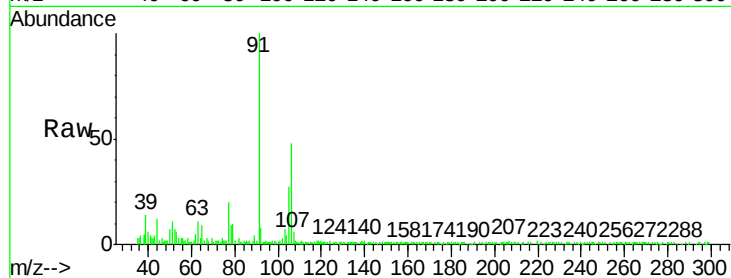




#68  
m/p-Xylenes  
Concen: 0.614 ug/l  
RT: 10.34 min Scan# 1551  
Delta R.T. 0.00 min  
Lab File: VX015714.D  
Acq: 16 Apr 2020 16:00

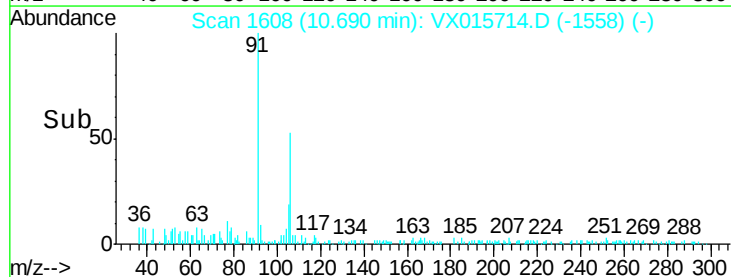
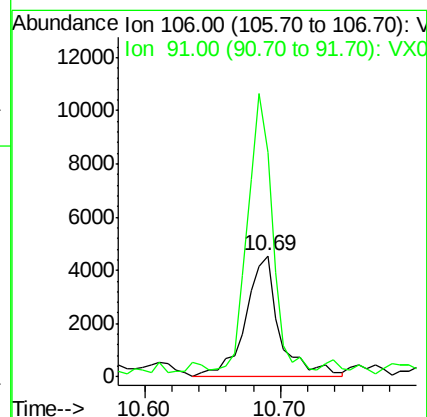
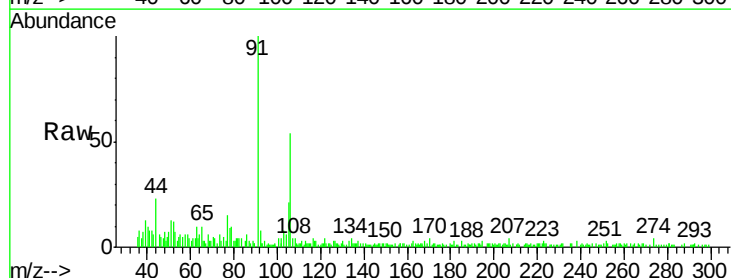
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB180-GW-278-280

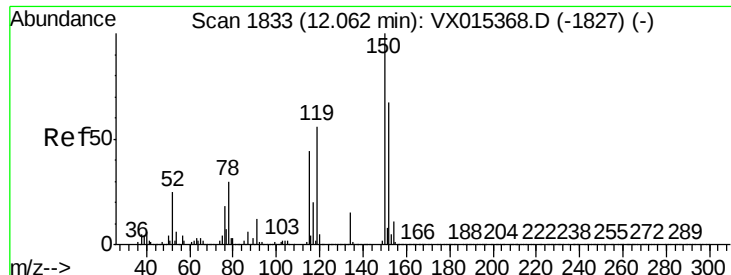
Tot Ion:106 Resp: 12468  
Ion Ratio Lower Upper  
106 100  
91 198.2 163.4 245.0



#69  
o-Xylene  
Concen: 0.398 ug/l  
RT: 10.69 min Scan# 1608  
Delta R.T. 0.01 min  
Lab File: VX015714.D  
Acq: 16 Apr 2020 16:00

Tgt Ion:106 Resp: 7995  
Ion Ratio Lower Upper  
106 100  
91 162.3 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015714.D

Acq: 16 Apr 2020 16:00

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB180-GW-278-280

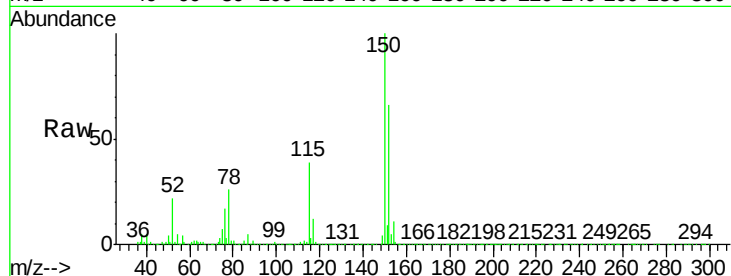
Tot Ion:152 Resp: 857079

Ion Ratio Lower Upper

152 100

115 56.3 39.0 116.9

150 156.1 0.0 340.8



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

