

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011720\  
 Data File : VX014658.D  
 Acq On : 17 Jan 2020 16:31  
 Operator : JC/SP  
 Sample : L1162-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CBH-140

Quant Time: Jan 18 06:00:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 15:54:41 2020  
 Response via : Initial Calibration

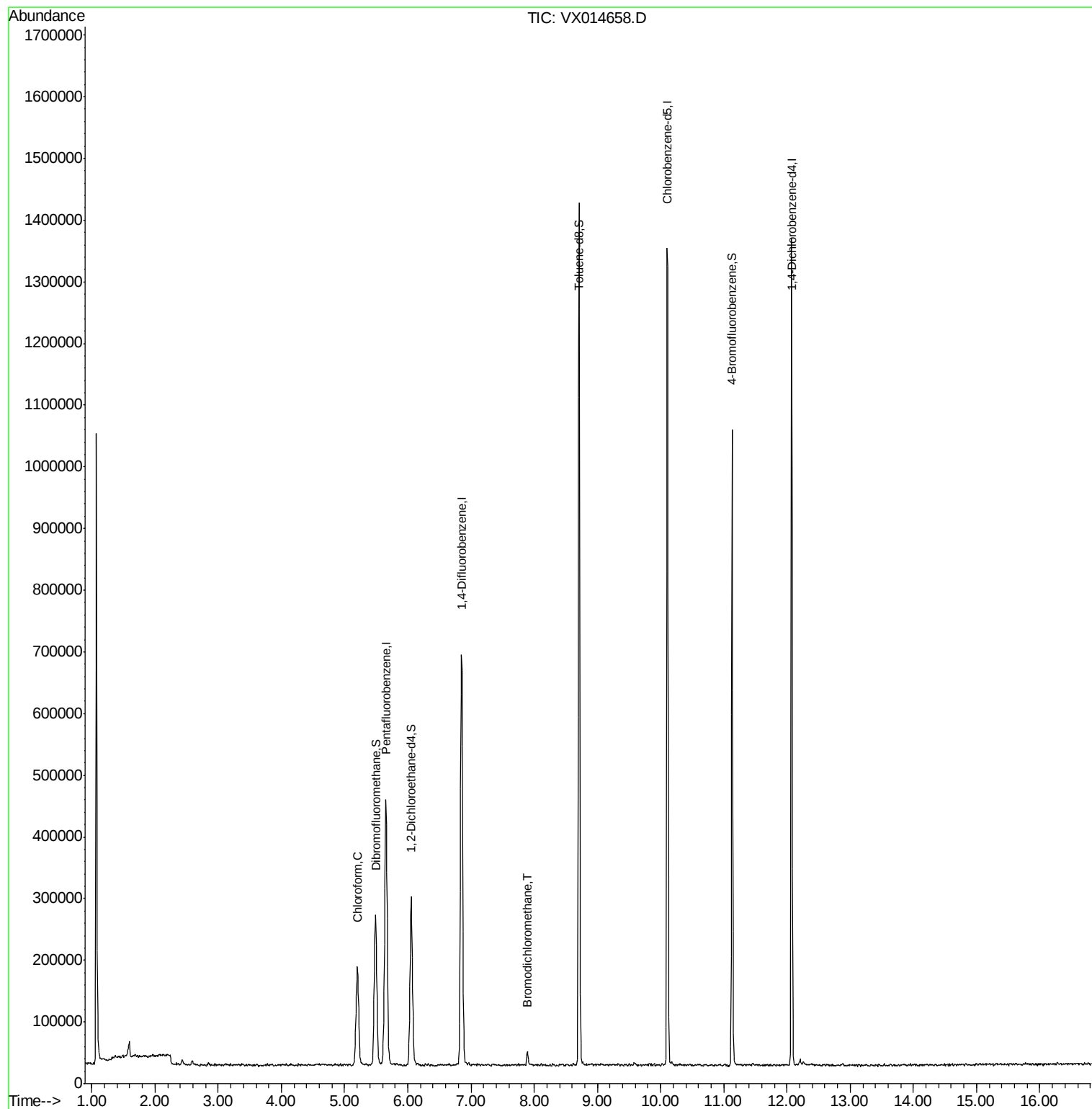
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 444518   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 686437   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 623761   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 282113   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 251895   | 50.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.52% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 214842   | 51.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.40% |          |
| 50) Toluene-d8              | 8.71  | 98   | 815028   | 50.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.08% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 276314   | 46.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.36%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 30) Chloroform              | 5.20  | 83   | 185759   | 23.459 | ug/l    | 93       |
| 47) Bromodichloromethane    | 7.89  | 83   | 14422    | 2.325  | ug/l    | 99       |

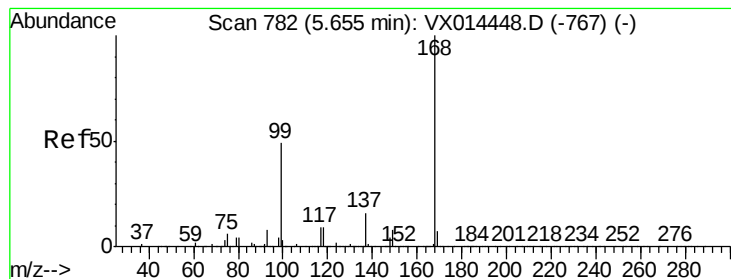
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jan 07 15:54:41 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

Instrument :

MSVOA\_X

ClientSampleId :

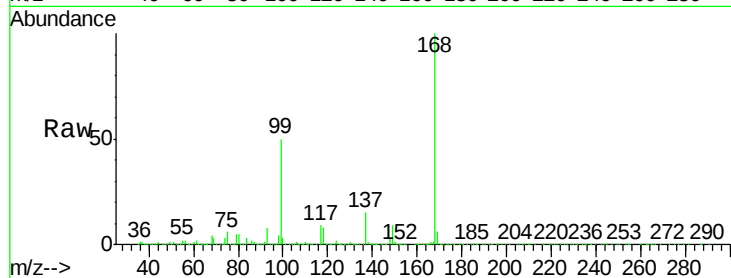
CBH-140

Tot Ion:168 Resp: 444518

Ion Ratio Lower Upper

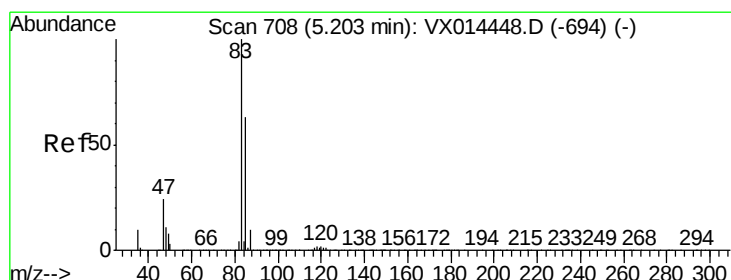
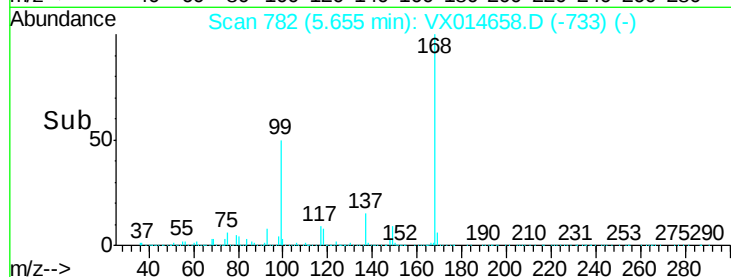
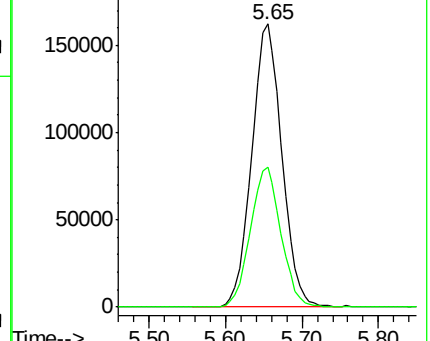
168 100

99 49.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#30

Chloroform

Concen: 23.459 ug/l

RT: 5.20 min Scan# 708

Delta R.T. 0.00 min

Lab File: VX014658.D

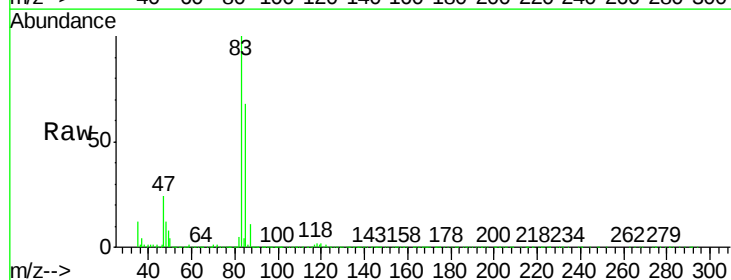
Acq: 17 Jan 2020 16:31

Tgt Ion: 83 Resp: 185759

Ion Ratio Lower Upper

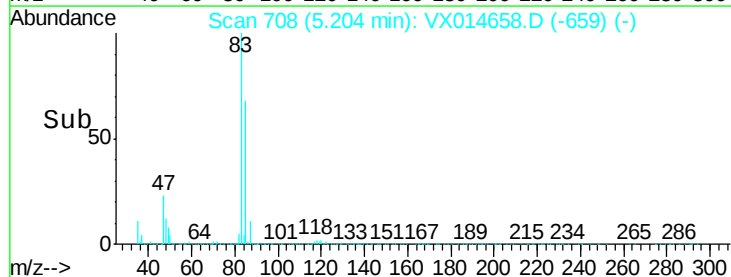
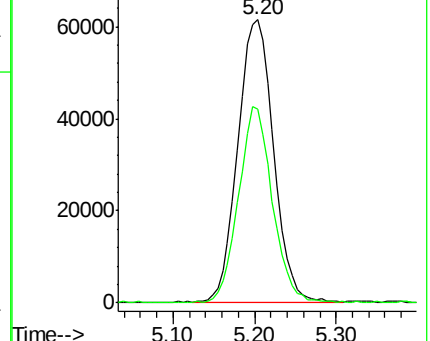
83 100

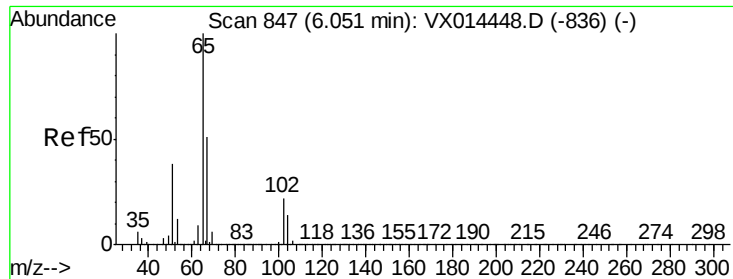
85 68.3 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

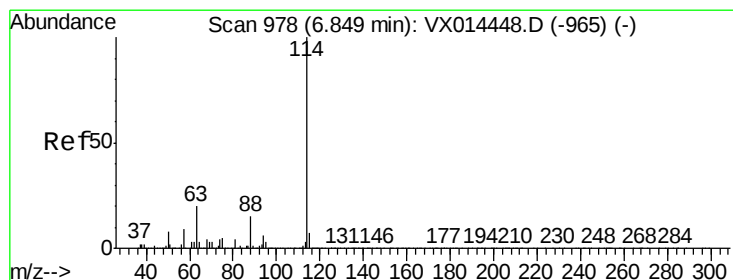
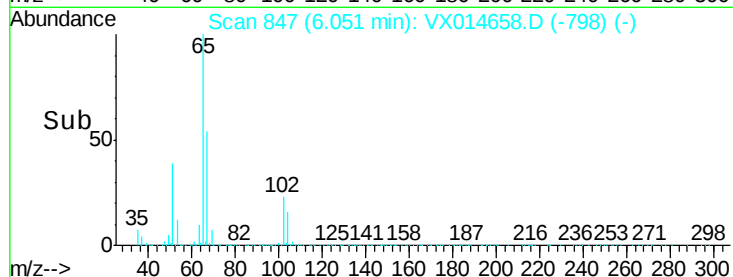
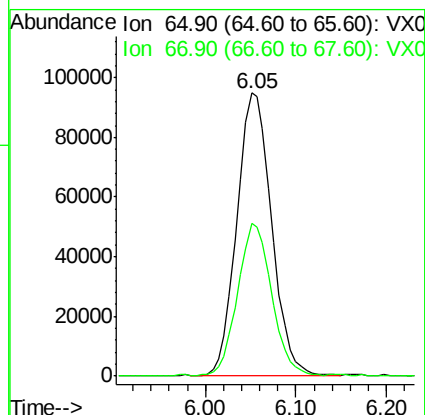
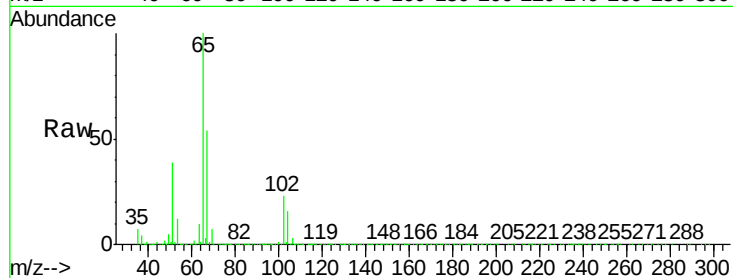




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.761 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX014658.D  
 Acq: 17 Jan 2020 16:31

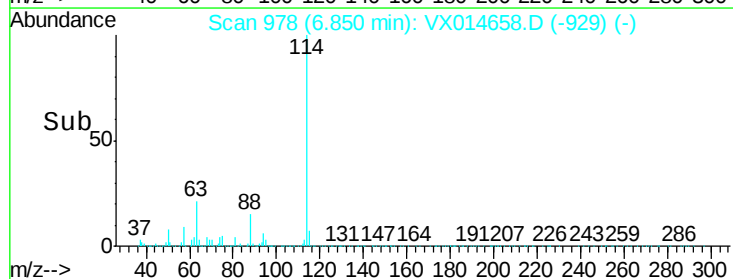
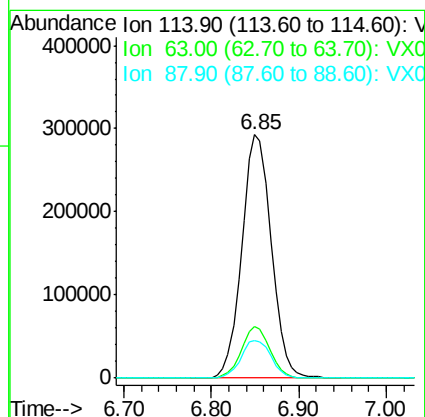
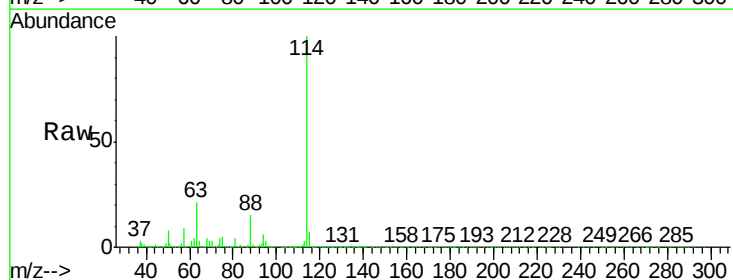
Instrument :  
 MSVOA\_X  
 ClientSampled :  
 CBH-140

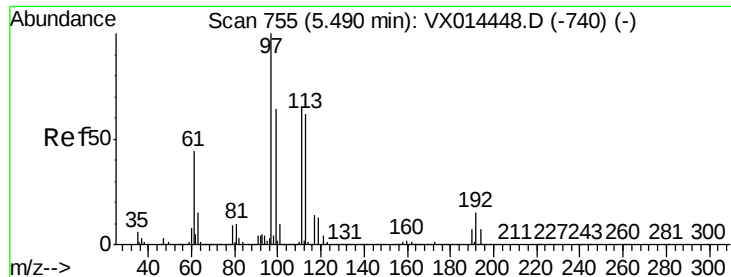
Tot Ion: 65 Resp: 251895  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX014658.D  
 Acq: 17 Jan 2020 16:31

Tgt Ion: 114 Resp: 686437  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 39.6  
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.703 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

Instrument :

MSVOA\_X

ClientSampleId :

CBH-140

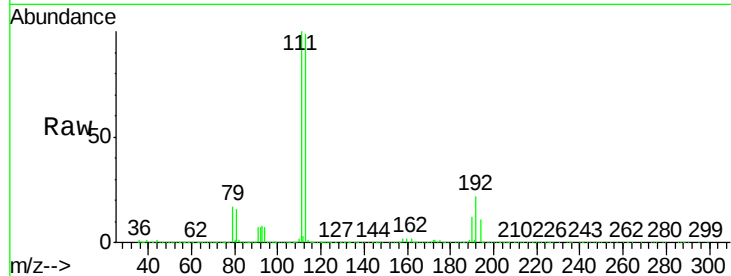
Tot Ion:113 Resp: 214842

Ion Ratio Lower Upper

113 100

111 100.9 81.5 122.3

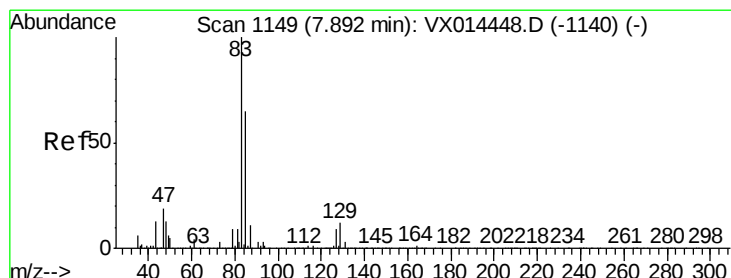
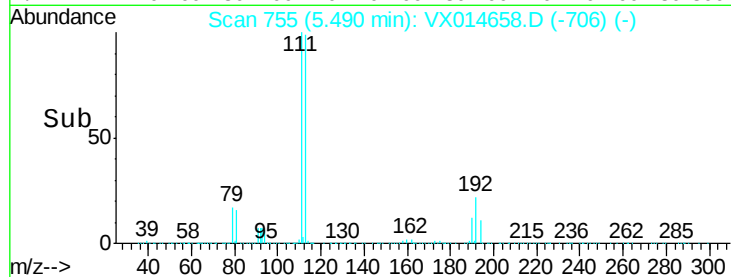
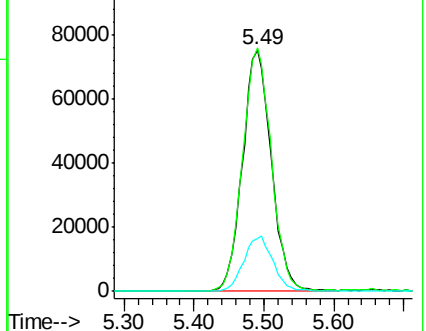
192 22.9 19.2 28.8



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



#47

Bromodichloromethane

Concen: 2.325 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

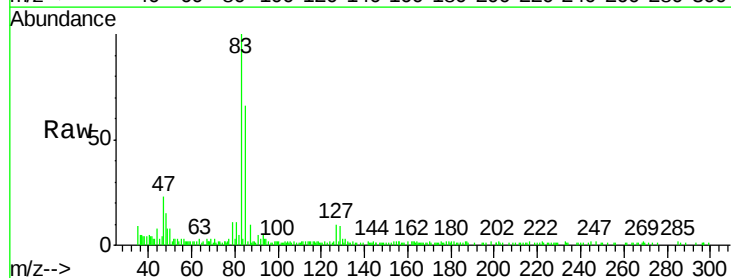
Tgt Ion: 83 Resp: 14422

Ion Ratio Lower Upper

83 100

85 65.1 51.7 77.5

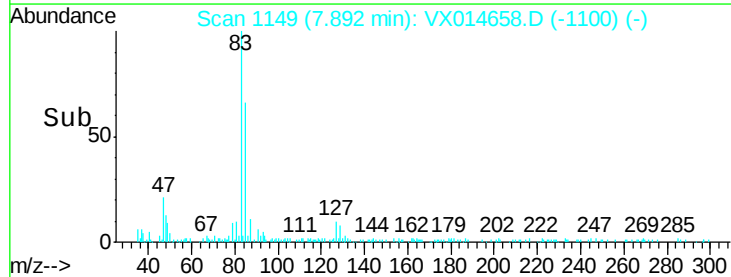
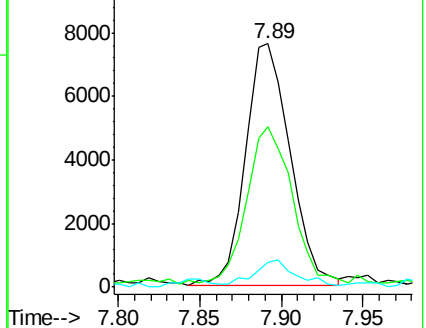
127 9.6 7.1 10.7

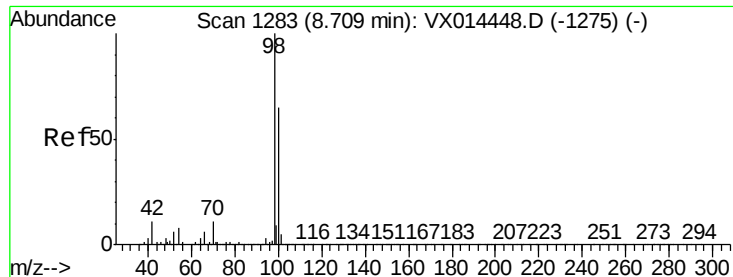


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 50.543 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

Instrument :

MSVOA\_X

ClientSampleId :

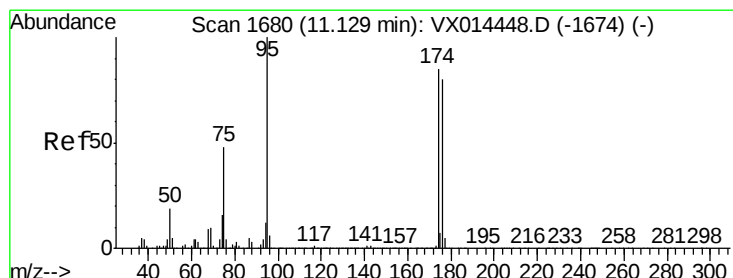
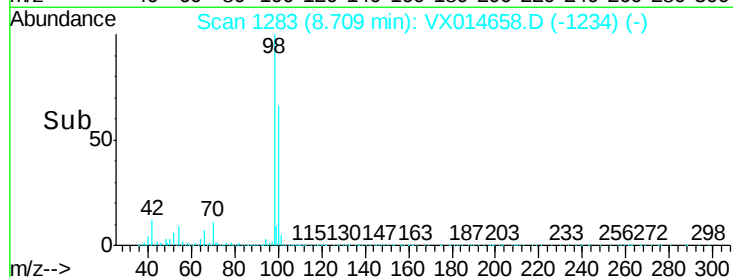
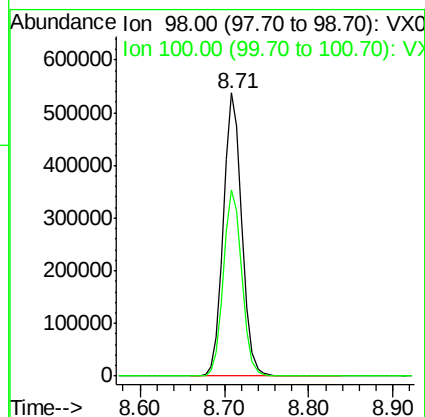
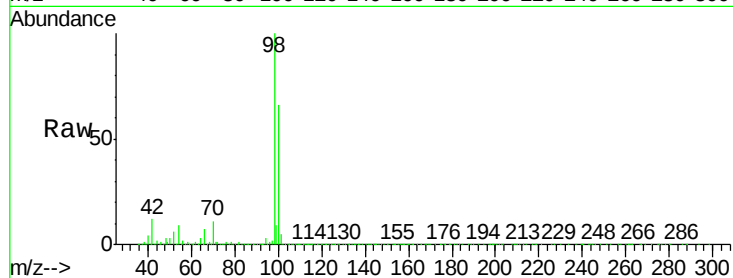
CBH-140

Tot Ion: 98 Resp: 815028

Ion Ratio Lower Upper

98 100

100 65.9 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 46.676 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

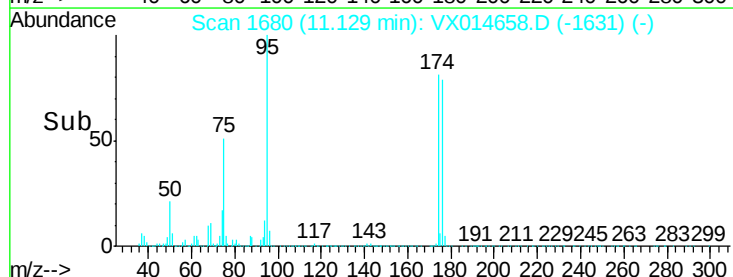
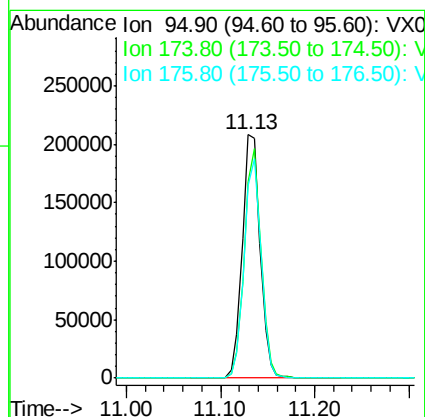
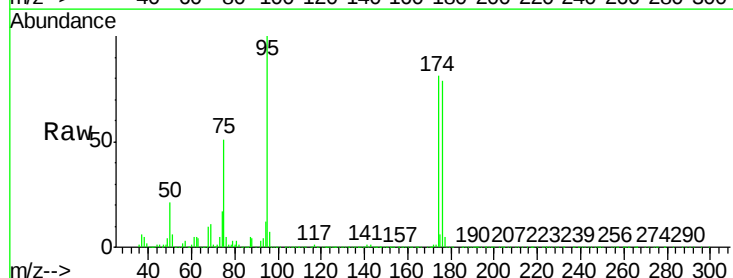
Tgt Ion: 95 Resp: 276314

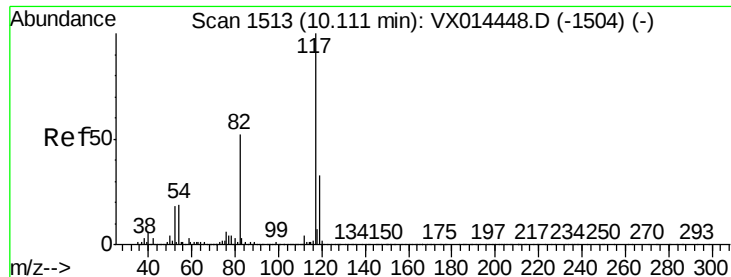
Ion Ratio Lower Upper

95 100

174 88.6 0.0 180.8

176 85.9 0.0 172.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

Instrument :

MSVOA\_X

ClientSampleId :

CBH-140

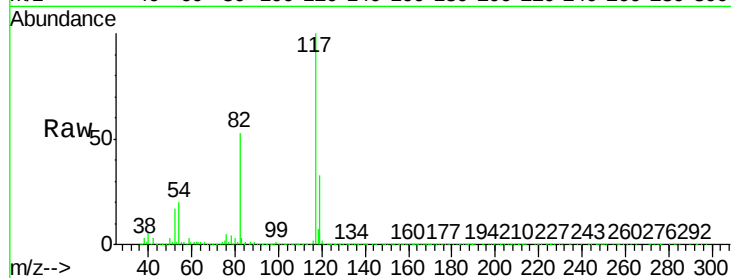
Tot Ion:117 Resp: 623761

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.6

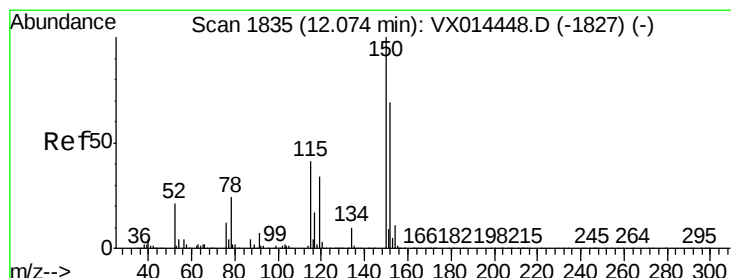
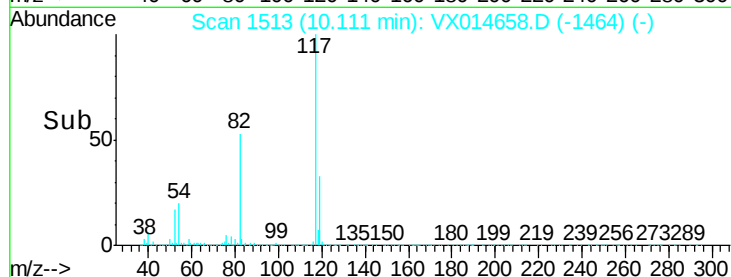
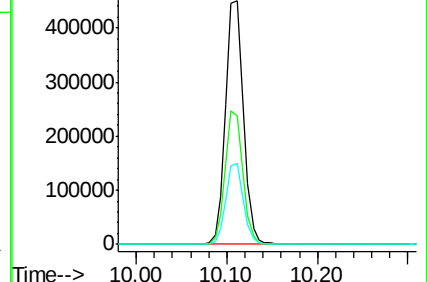
119 33.3 26.2 39.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014658.D

Acq: 17 Jan 2020 16:31

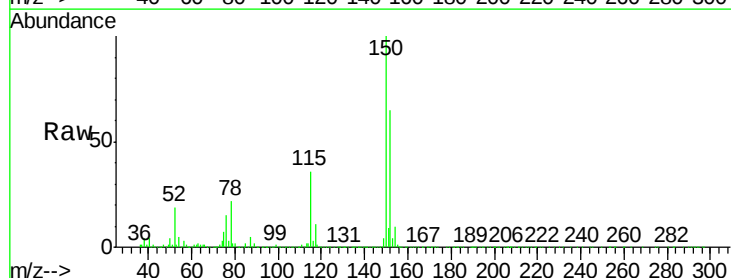
Tgt Ion:152 Resp: 282113

Ion Ratio Lower Upper

152 100

115 56.0 39.5 118.3

150 154.8 0.0 350.2



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

