

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122619\  
 Data File : VX014280.D  
 Acq On : 26 Dec 2019 19:27  
 Operator : JC/SP  
 Sample : K6420-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PW

Quant Time: Dec 27 07:23:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 17 03:01:07 2019  
 Response via : Initial Calibration

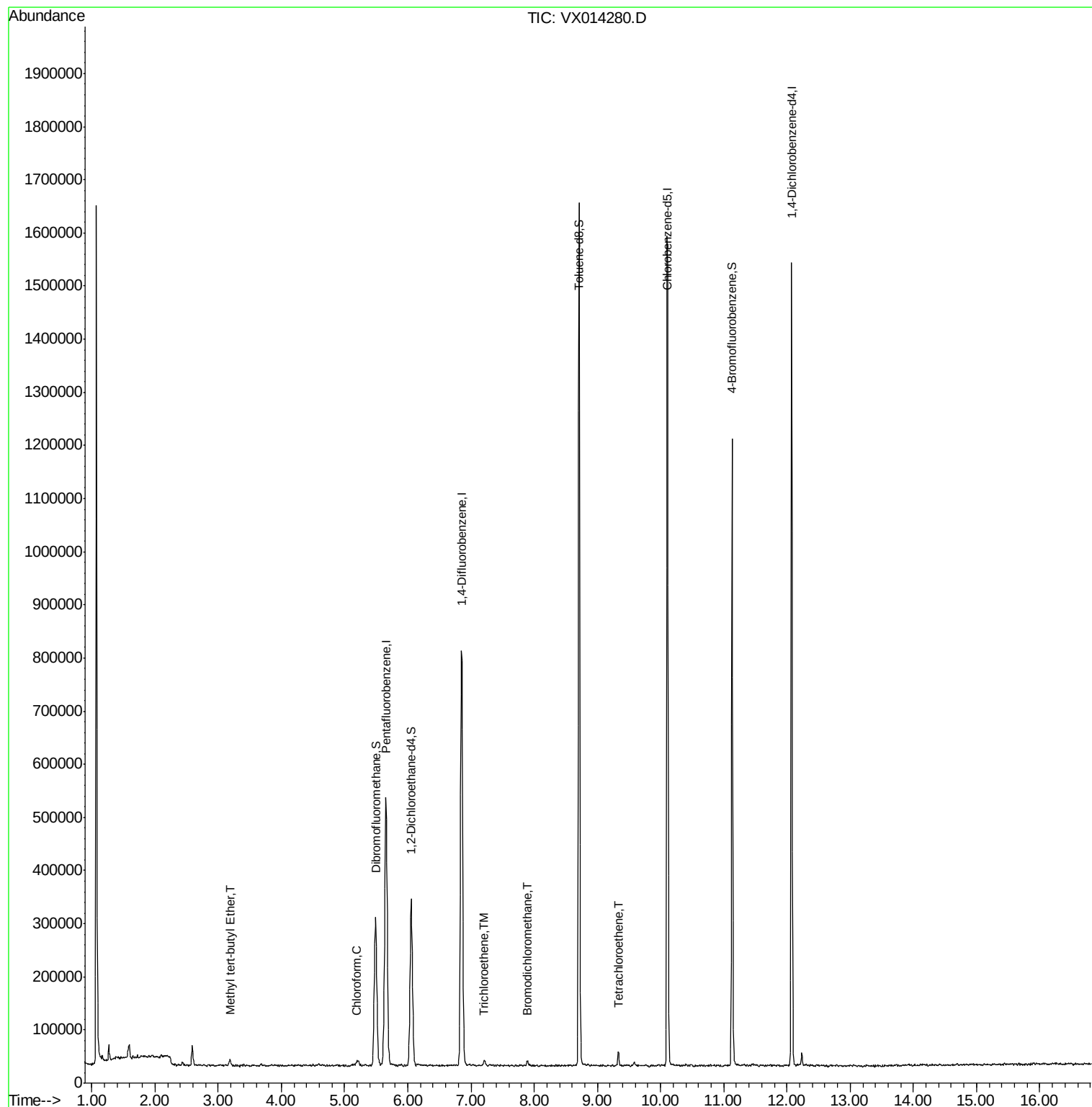
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 521456   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 819147   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 730541   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 317615   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 291809   | 49.38 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.76% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 243716   | 48.94 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.88% |          |
| 50) Toluene-d8              | 8.71  | 98   | 962611   | 49.65 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.30% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 326557   | 46.08 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.16% |          |
| Target Compounds            |       |      |          |       |        |          |
|                             |       |      |          |       | Qvalue |          |
| 19) Methyl tert-butyl Ether | 3.18  | 73   | 11072    | 0.672 | ug/l # | 85       |
| 30) Chloroform              | 5.20  | 83   | 14566    | 1.547 | ug/l   | 98       |
| 44) Trichloroethene         | 7.21  | 130  | 4359     | 0.682 | ug/l   | 74       |
| 47) Bromodichloromethane    | 7.89  | 83   | 7135     | 0.967 | ug/l # | 98       |
| 64) Tetrachloroethene       | 9.34  | 164  | 5754     | 0.890 | ug/l # | 94       |

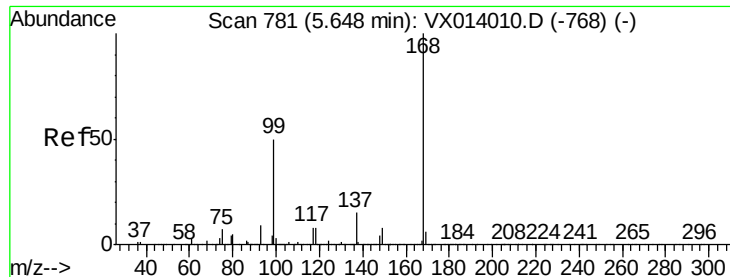
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122619\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
PW

Quant Time: Dec 27 07:23:36 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X121319W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 17 03:01:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Instrument :

MSVOA\_X

ClientSampleId :

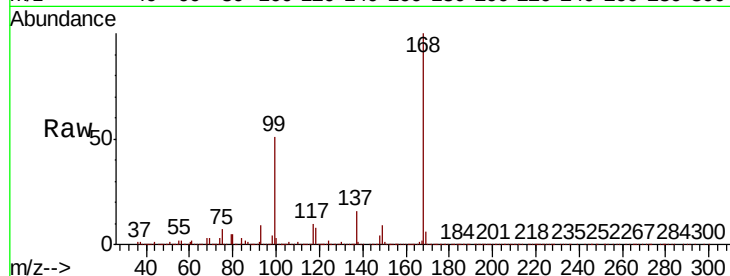
PW

Tot Ion:168 Resp: 521456

Ion Ratio Lower Upper

168 100

99 50.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

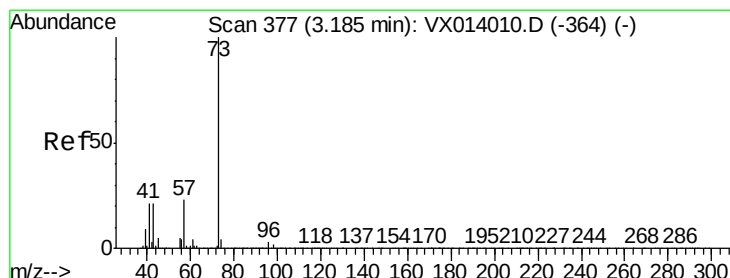
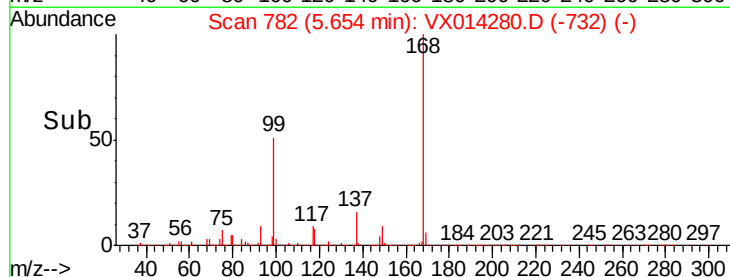
150000

100000

50000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.672 ug/l

RT: 3.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: VX014280.D

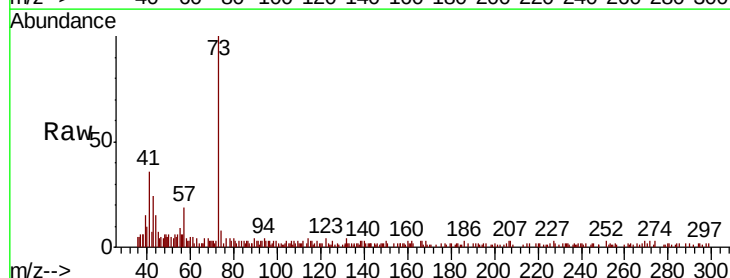
Acq: 26 Dec 2019 19:27

Tgt Ion: 73 Resp: 11072

Ion Ratio Lower Upper

73 100

57 16.1 18.8 28.2#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.18

5000

4000

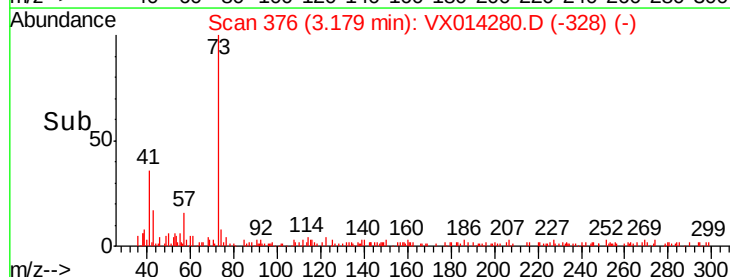
3000

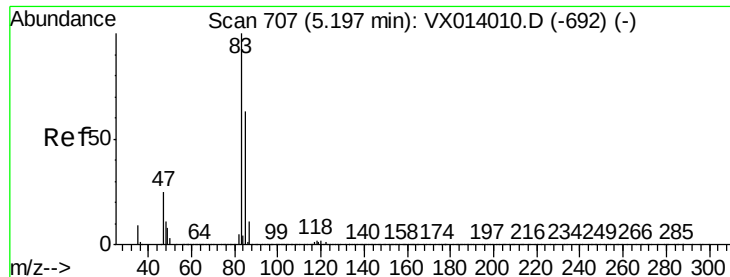
2000

1000

0

Time-->

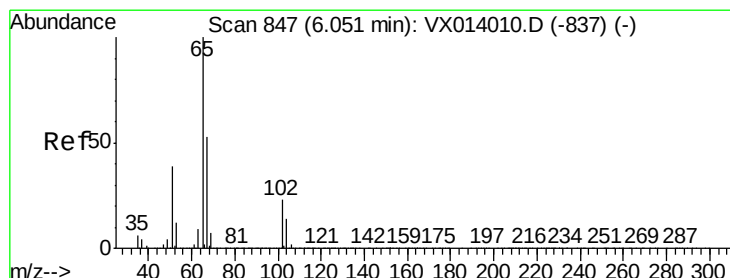
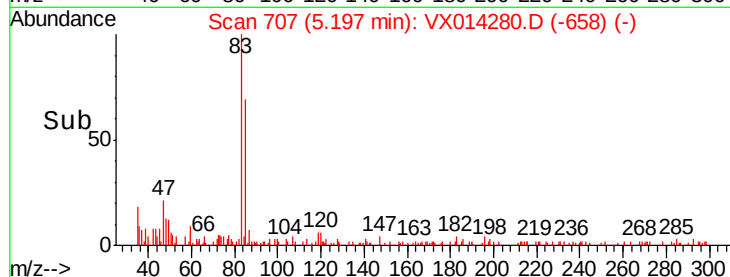
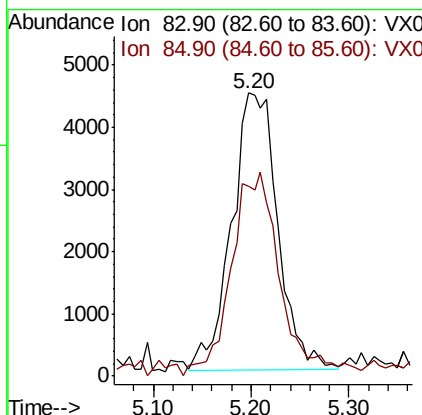
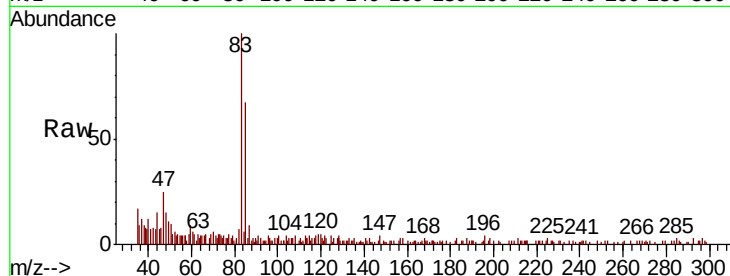




#30  
Chloroform  
Concen: 1.547 ug/l  
RT: 5.20 min Scan# 707  
Delta R.T. 0.00 min  
Lab File: VX014280.D  
Acq: 26 Dec 2019 19:27

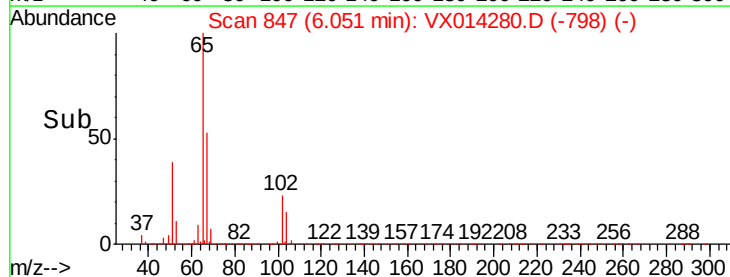
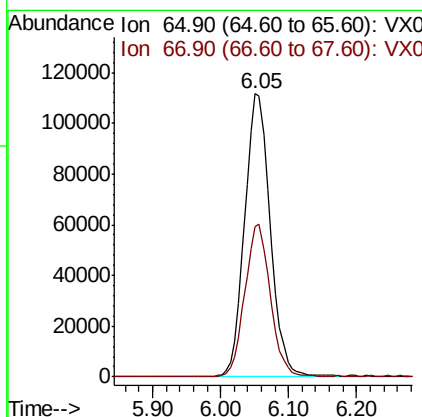
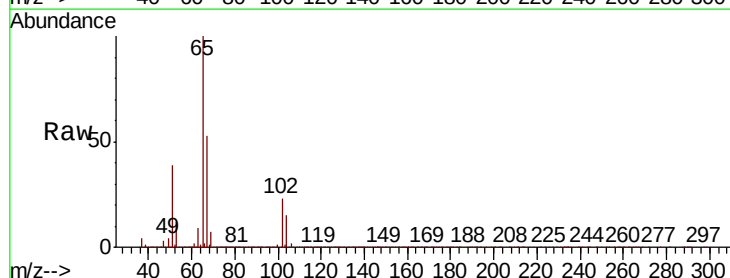
Instrument :  
MSVOA\_X  
ClientSampleId :  
PW

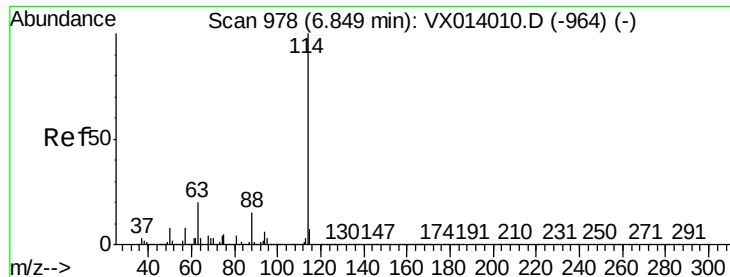
Tot Ion: 83 Resp: 14566  
Ion Ratio Lower Upper  
83 100  
85 65.4 50.8 76.2



#33  
1,2-Dichloroethane-d4  
Concen: 49.376 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. 0.00 min  
Lab File: VX014280.D  
Acq: 26 Dec 2019 19:27

Tgt Ion: 65 Resp: 291809  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Instrument :

MSVOA\_X

ClientSampleId :

PW

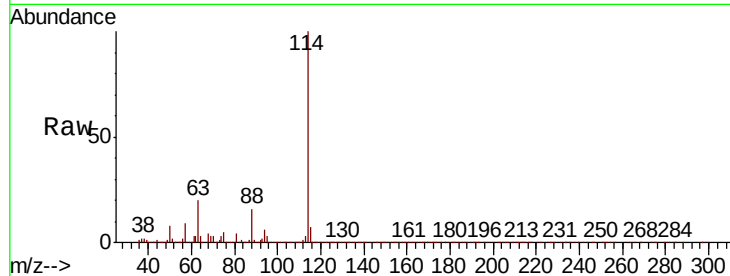
Tot Ion:114 Resp: 819147

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.8

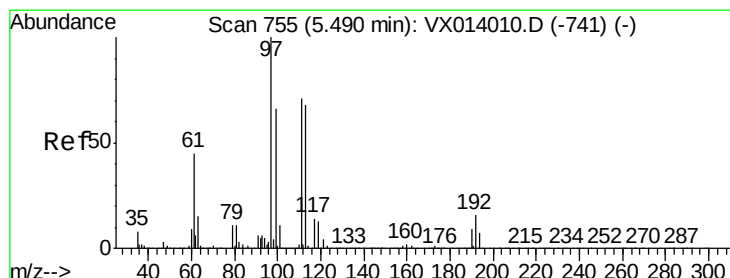
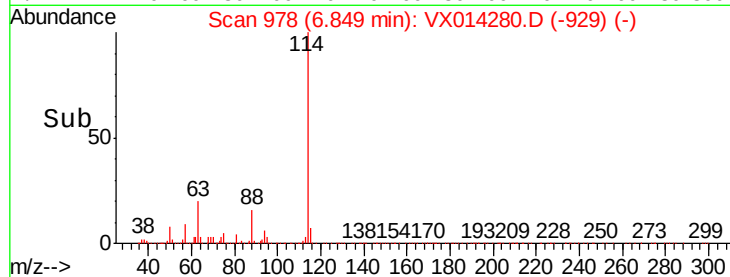
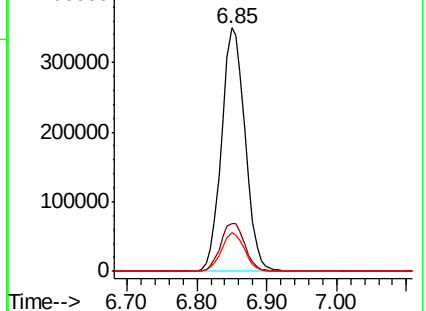
88 16.0 0.0 30.4



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: 48.944 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

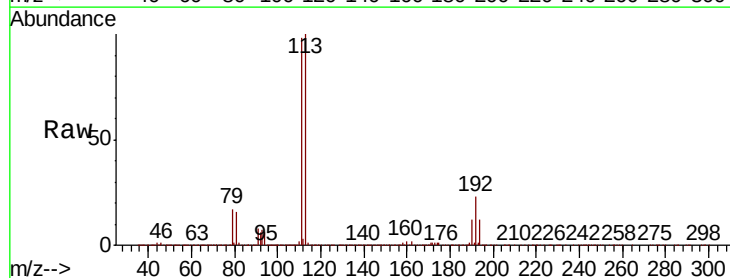
Tgt Ion:113 Resp: 243716

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

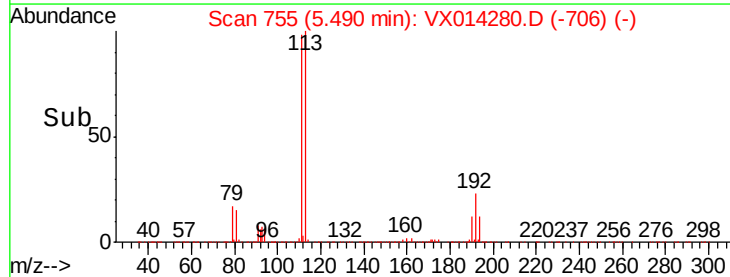
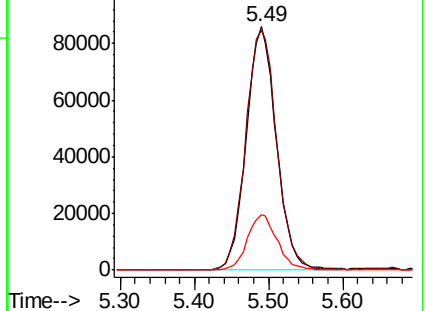
192 22.8 19.3 28.9

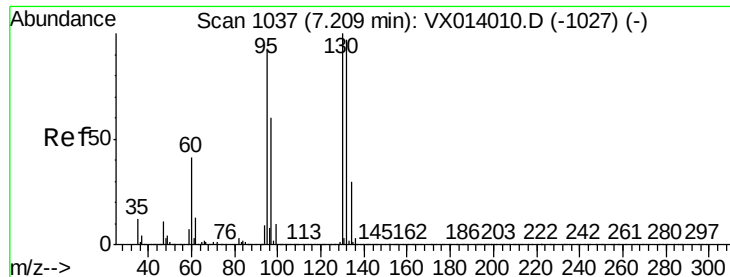


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 0.682 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Instrument :

MSVOA\_X

ClientSampled :

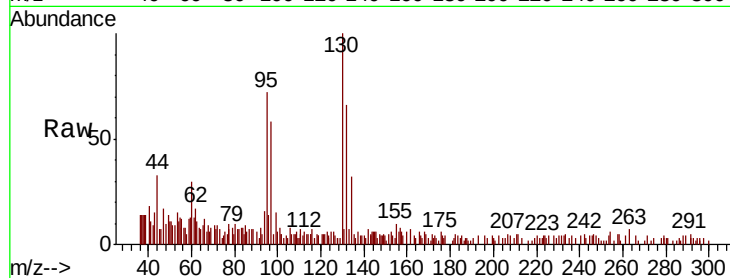
PW

Tot Ion:130 Resp: 4359

Ion Ratio Lower Upper

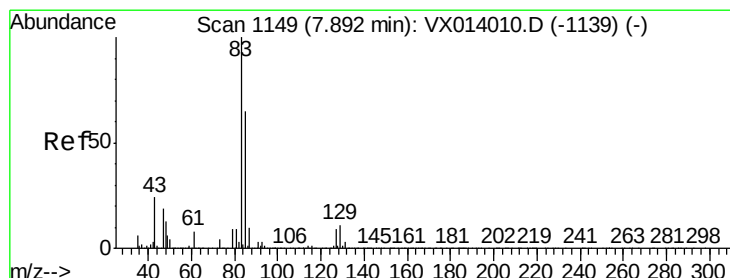
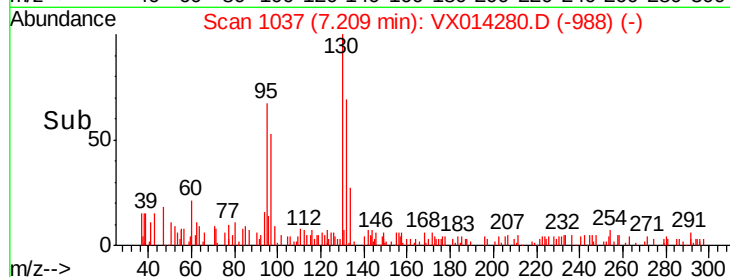
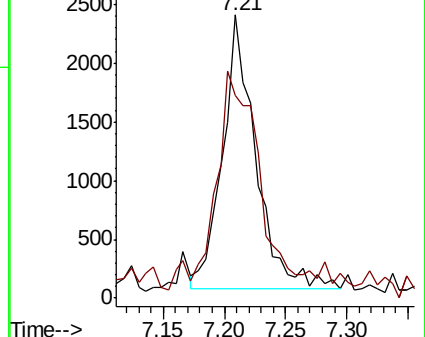
130 100

95 67.8 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#47

Bromodichloromethane

Concen: 0.967 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

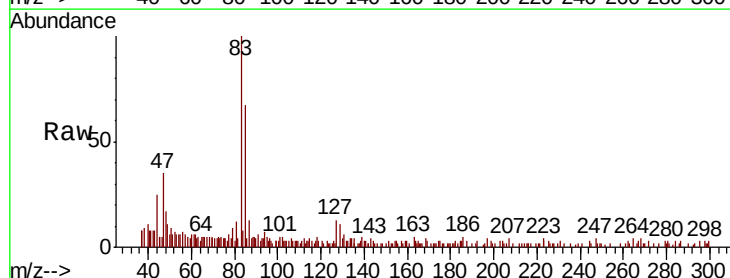
Tgt Ion: 83 Resp: 7135

Ion Ratio Lower Upper

83 100

85 63.5 51.8 77.8

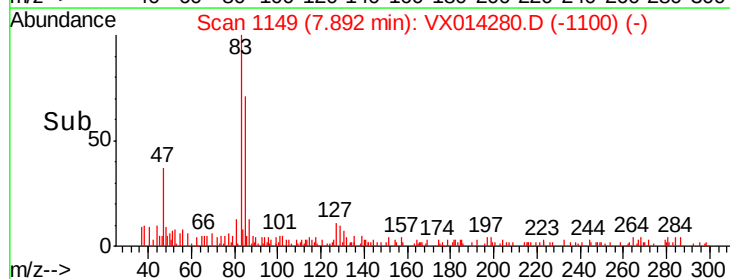
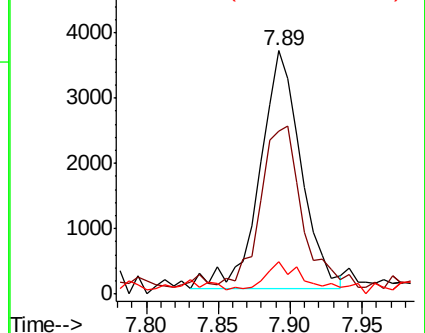
127 10.5 7.0 10.4#

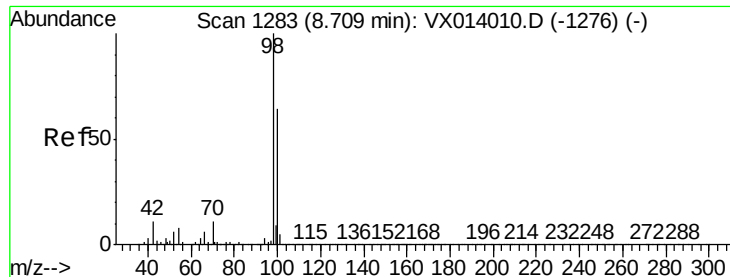


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 49.654 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Instrument :

MSVOA\_X

ClientSampleId :

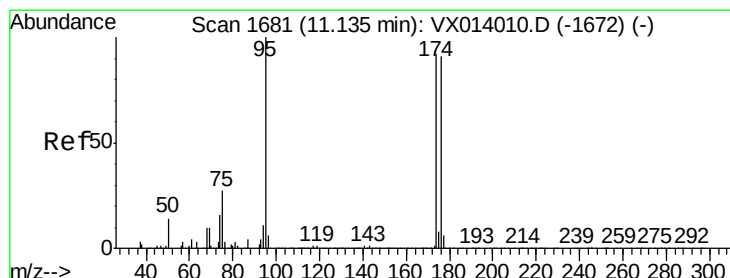
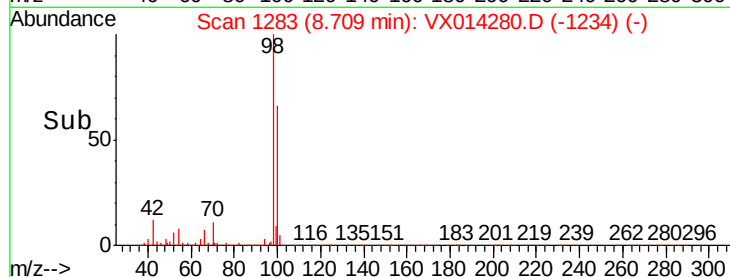
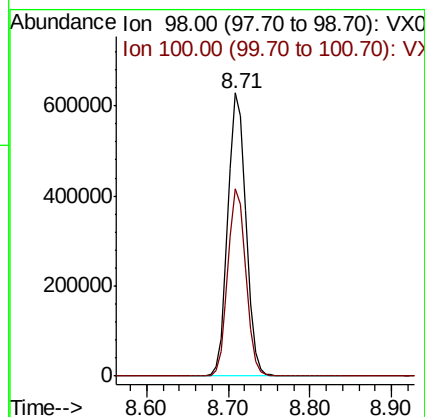
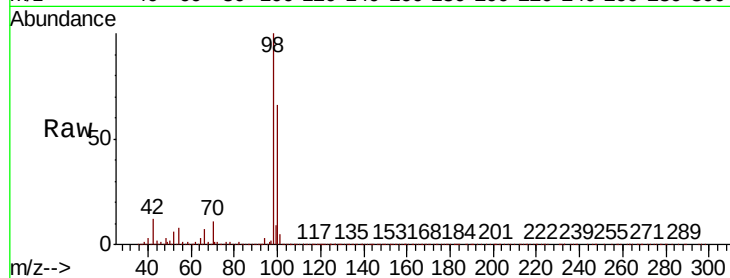
PW

Tot Ion: 98 Resp: 962611

Ion Ratio Lower Upper

98 100

100 65.9 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.081 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

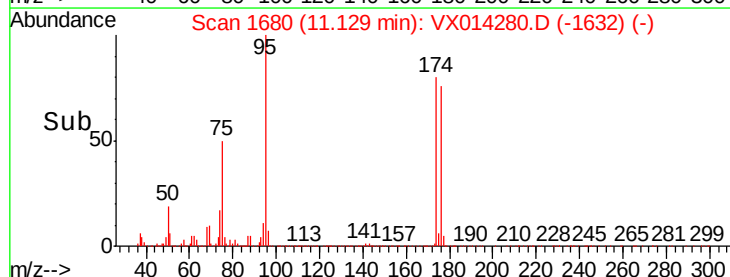
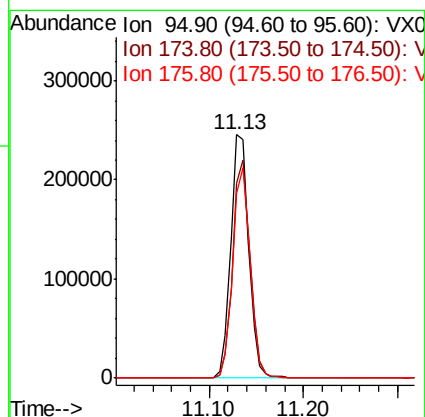
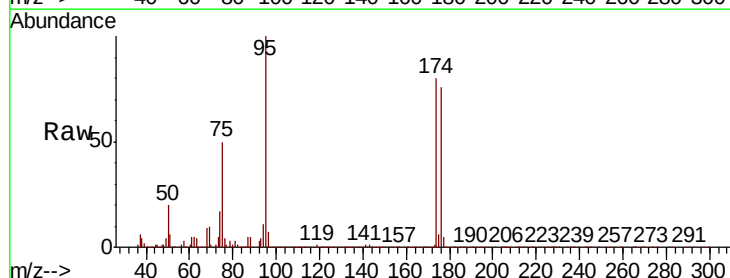
Tgt Ion: 95 Resp: 326557

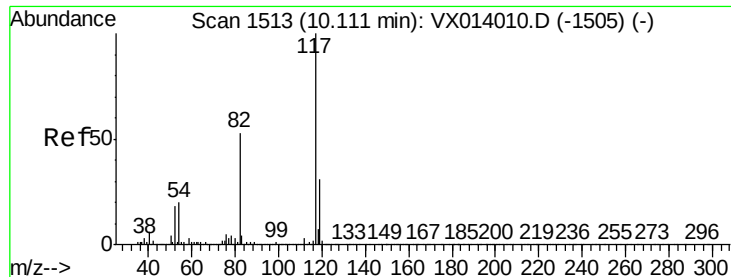
Ion Ratio Lower Upper

95 100

174 86.5 0.0 175.8

176 84.2 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Instrument :

MSVOA\_X

ClientSampleId :

PW

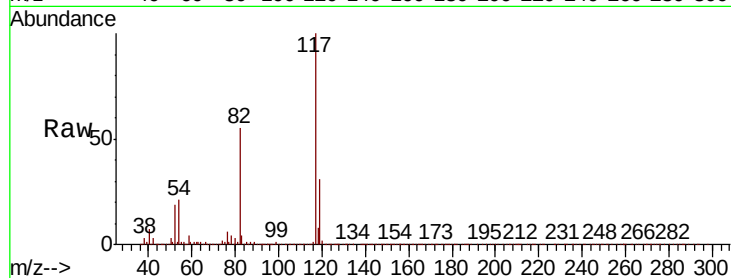
Tot Ion:117 Resp: 730541

Ion Ratio Lower Upper

117 100

82 55.5 42.2 63.4

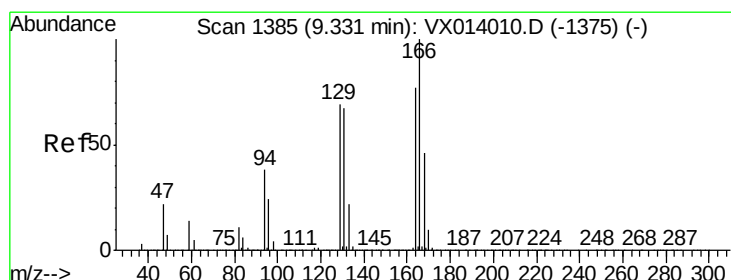
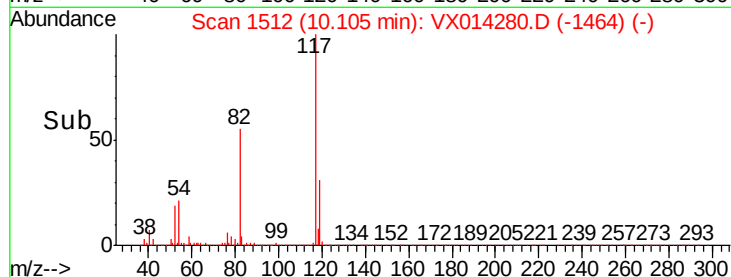
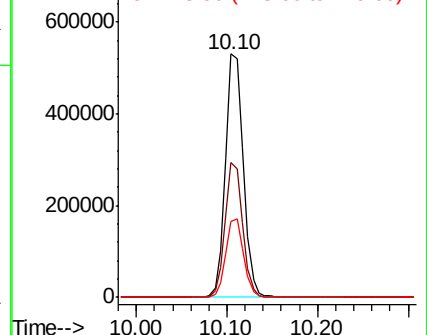
119 31.3 25.1 37.7



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: 0.890 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Tgt Ion:164 Resp: 5754

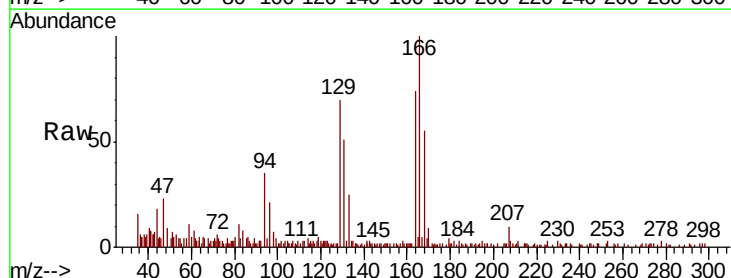
Ion Ratio Lower Upper

164 100

166 131.3 104.0 156.0

129 90.5 72.2 108.4

131 68.5 69.6 104.4#

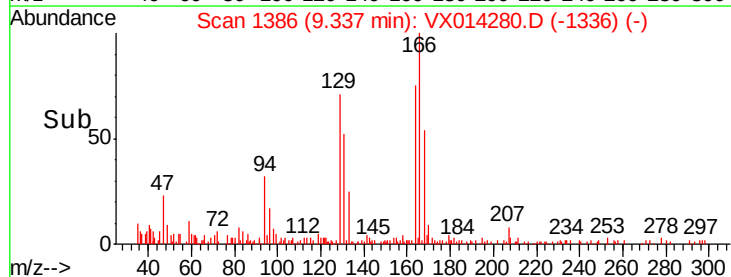
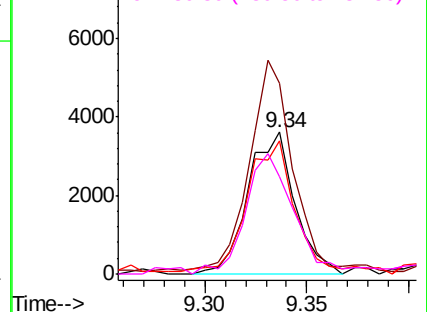


Abundance Ion 163.80 (163.50 to 164.50): V

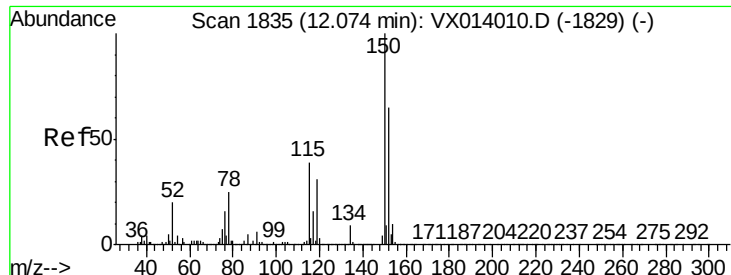
Ion 165.80 (165.50 to 166.50): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014280.D

Acq: 26 Dec 2019 19:27

Instrument :

MSVOA\_X

ClientSampleId :

PW

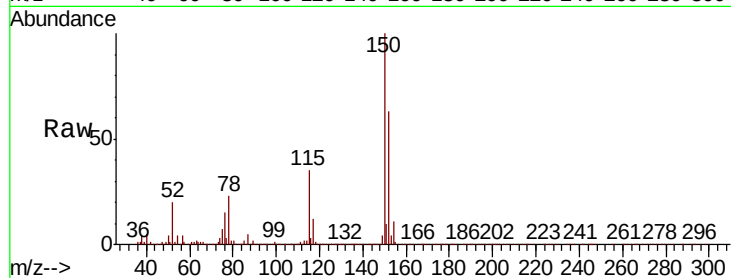
Tot Ion:152 Resp: 317615

Ion Ratio Lower Upper

152 100

115 56.3 38.3 114.9

150 157.0 0.0 345.4



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

