

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100419\  
 Data File : VX012816.D  
 Acq On : 04 Oct 2019 16:58  
 Operator : JC/SP  
 Sample : K5189-20  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ181I-20191001

Quant Time: Oct 05 05:43:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

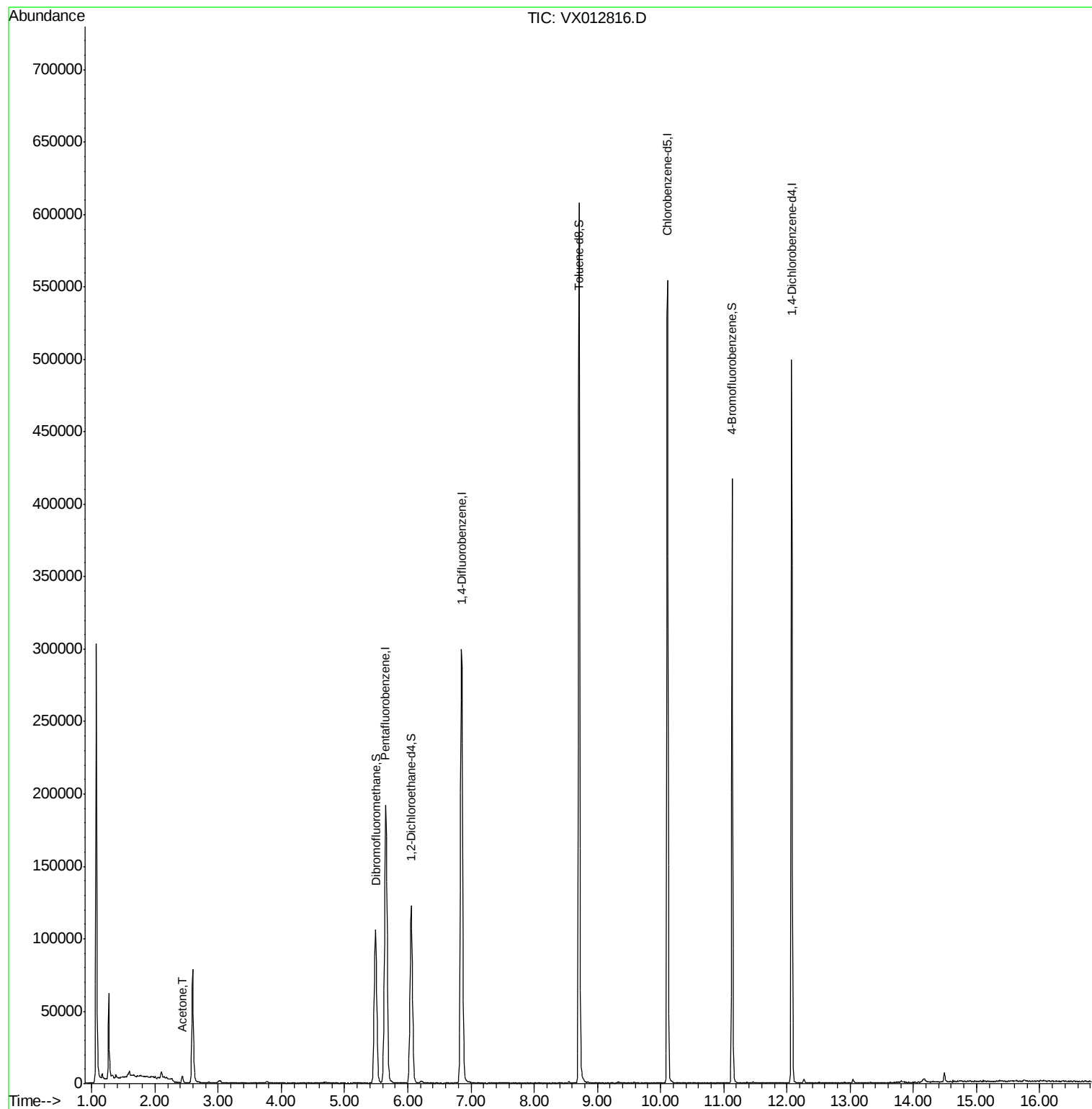
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 177640   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 300172   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 254075   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 94993    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 119125   | 46.05 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.10%  |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 91733    | 51.31 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.62% |           |
| 50) Toluene-d8              | 8.71  | 98   | 356225   | 51.74 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.48% |           |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 118186   | 43.66 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.32%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.44  | 43   | 5194     | 3.791 | ug/l #  | Qvalue 80 |

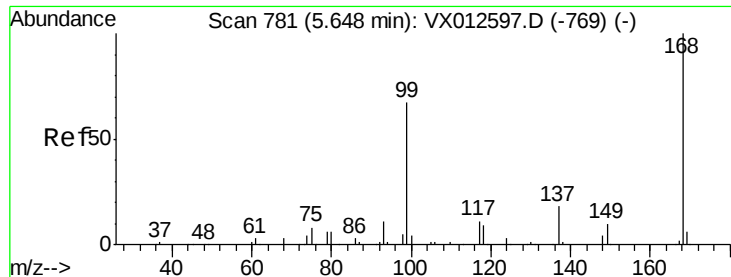
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

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Acq: 04 Oct 2019 16:58

Instrument :

MSVOA\_X

ClientSampleId :

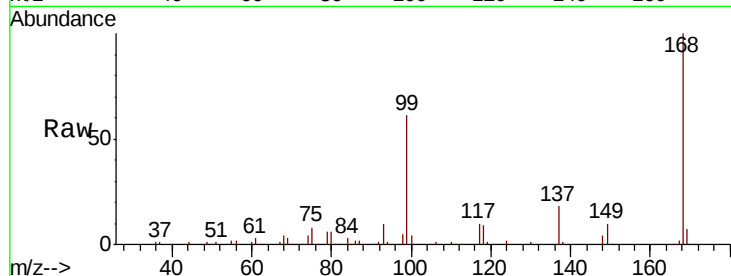
SA-PZ181I-20191001

Tot Ion:168 Resp: 177640

Ion Ratio Lower Upper

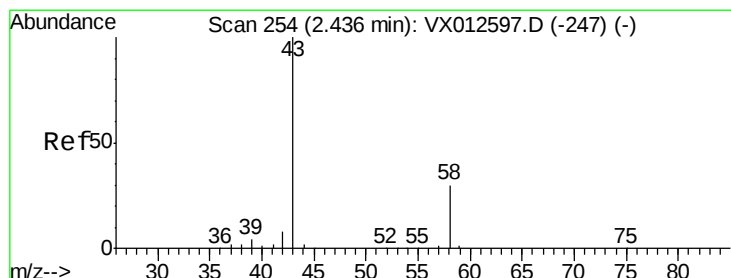
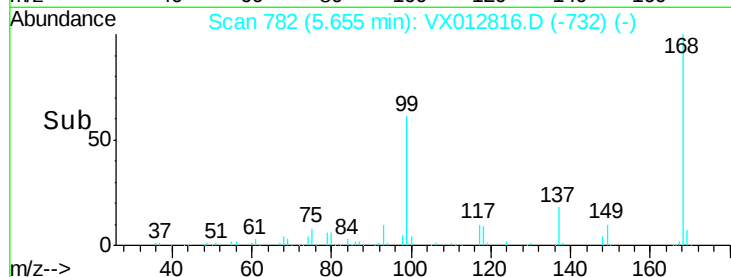
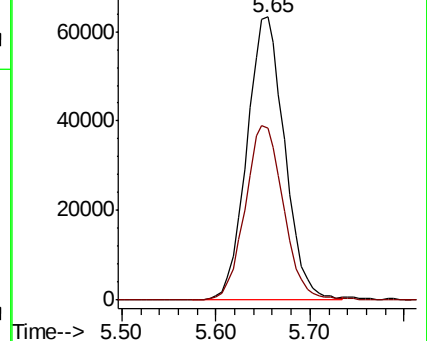
168 100

99 60.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.791 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012816.D

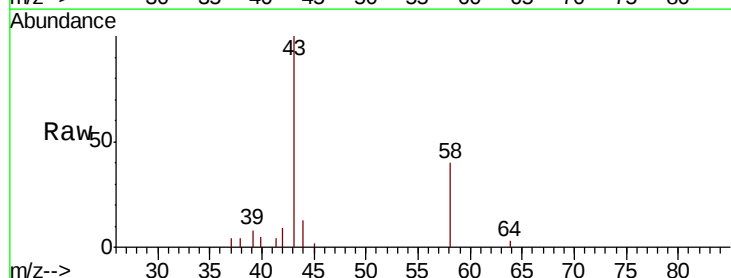
Acq: 04 Oct 2019 16:58

Tgt Ion: 43 Resp: 5194

Ion Ratio Lower Upper

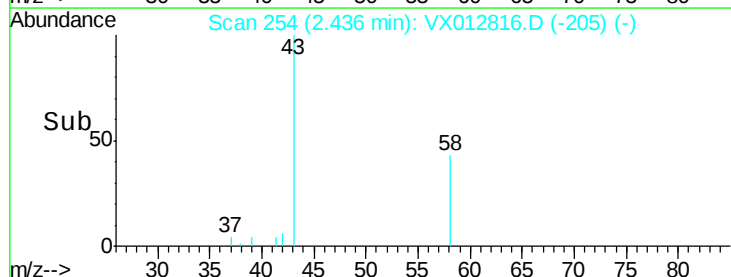
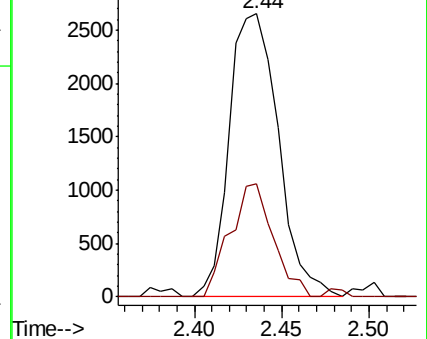
43 100

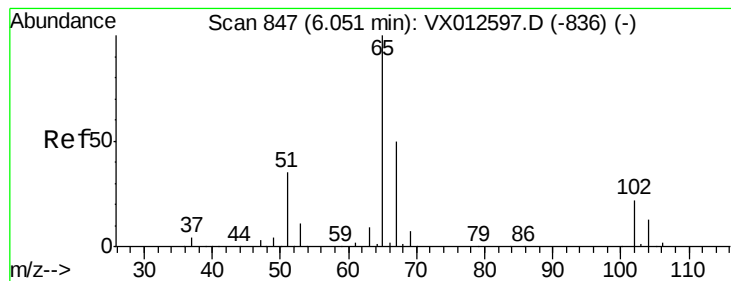
58 39.9 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.051 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012816.D

Acq: 04 Oct 2019 16:58

Instrument :

MSVOA\_X

ClientSampleId :

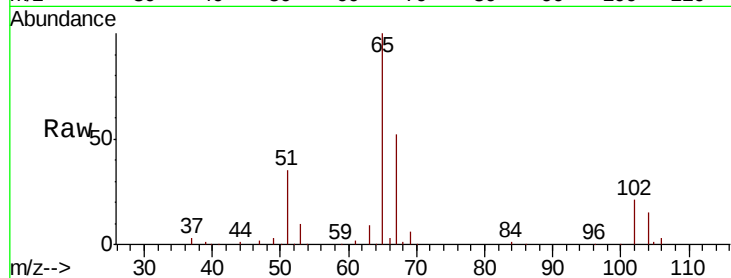
SA-PZ181I-20191001

Tot Ion: 65 Resp: 119125

Ion Ratio Lower Upper

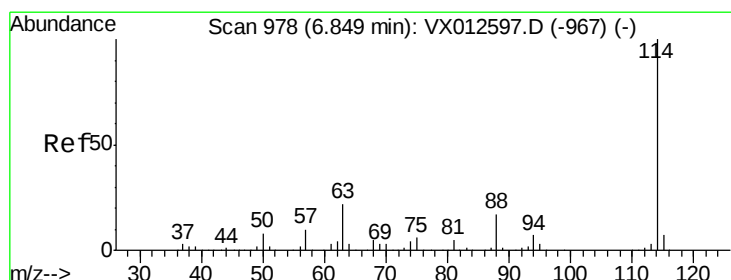
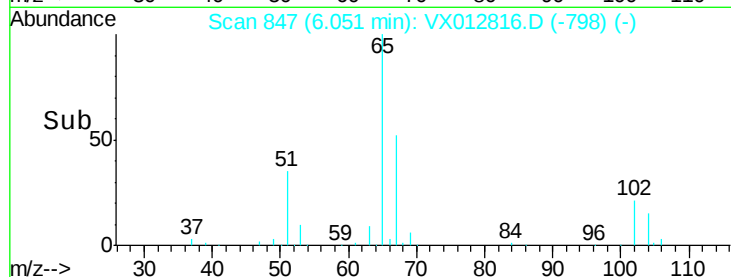
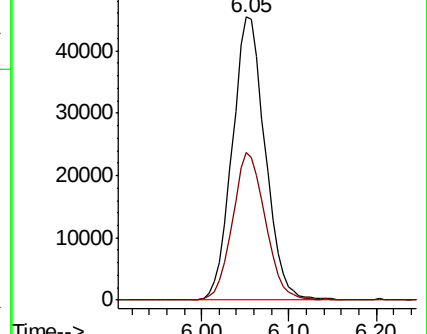
65 100

67 51.8 0.0 101.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012816.D

Acq: 04 Oct 2019 16:58

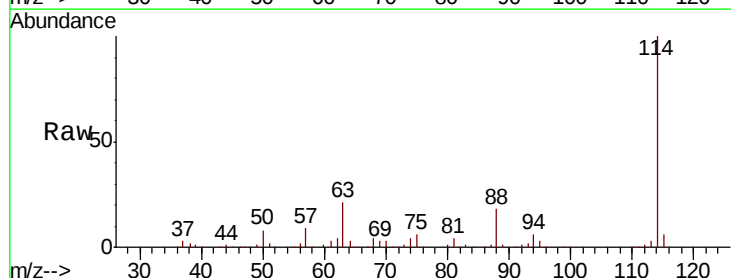
Tgt Ion: 114 Resp: 300172

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.2

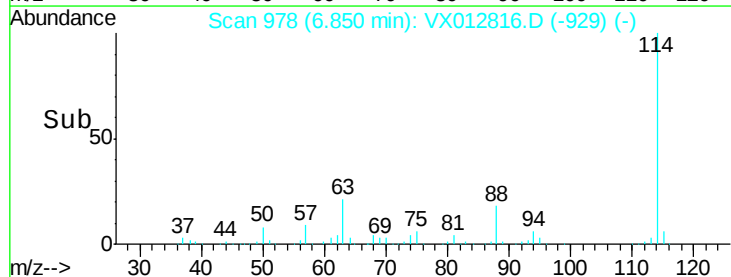
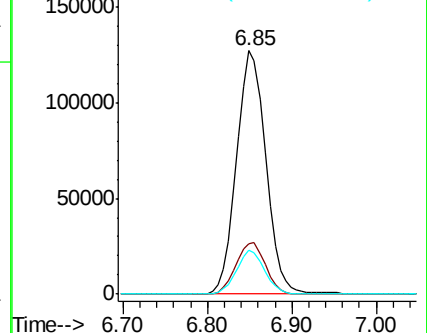
88 17.9 0.0 33.2

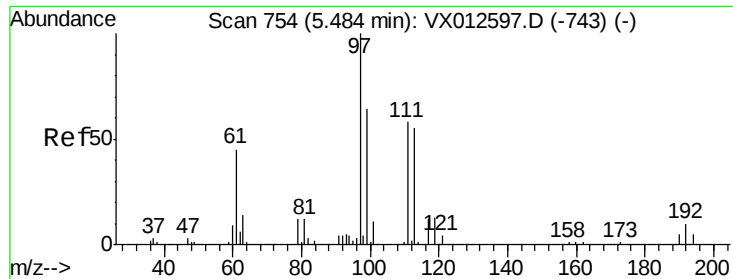


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 51.315 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012816.D

Acq: 04 Oct 2019 16:58

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ181I-20191001

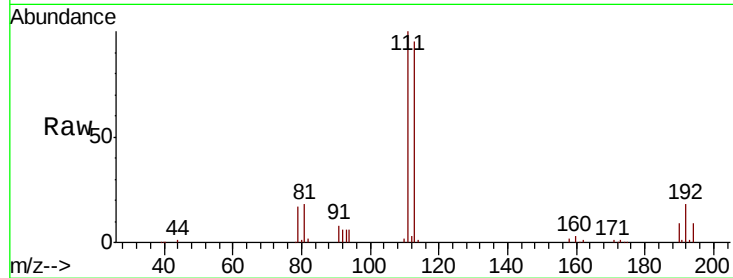
Tot Ion:113 Resp: 91733

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.2

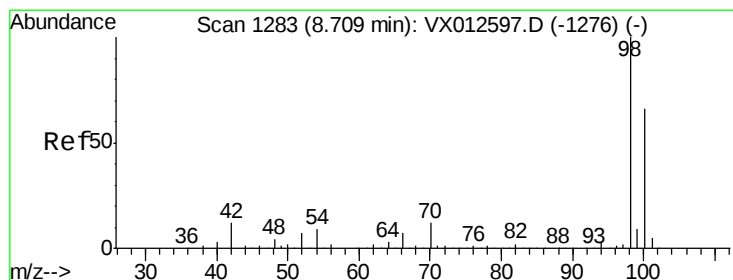
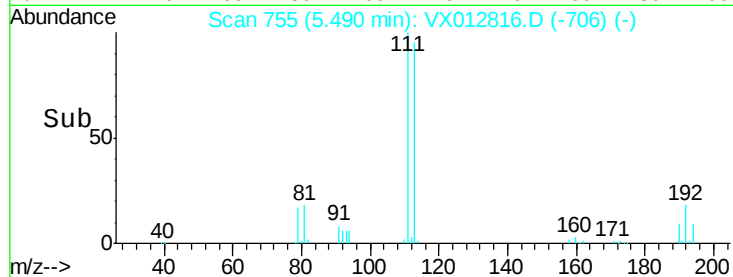
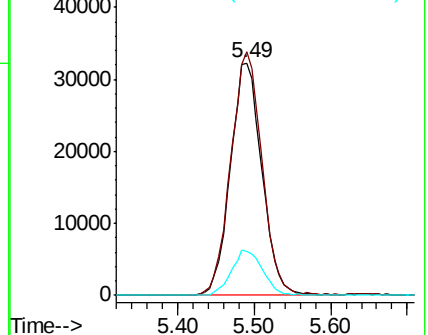
192 19.5 14.4 21.6



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: 51.744 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012816.D

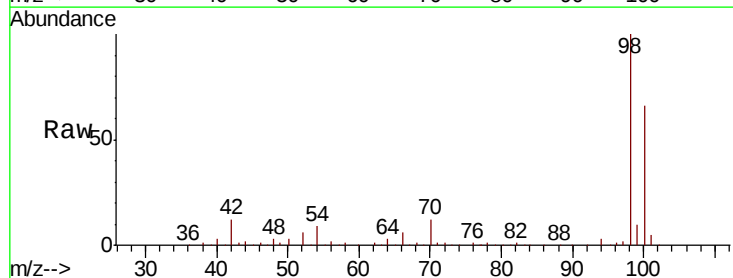
Acq: 04 Oct 2019 16:58

Tgt Ion: 98 Resp: 356225

Ion Ratio Lower Upper

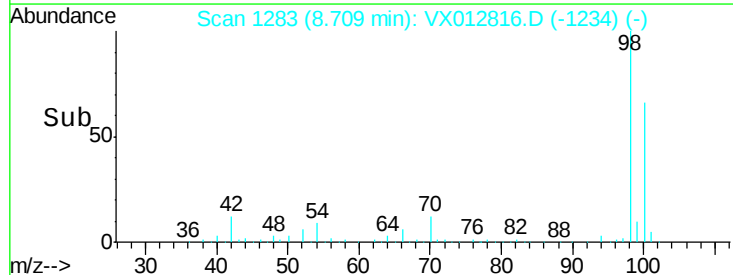
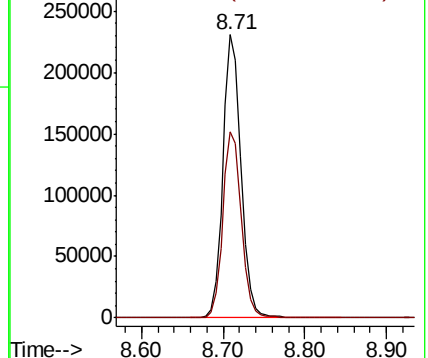
98 100

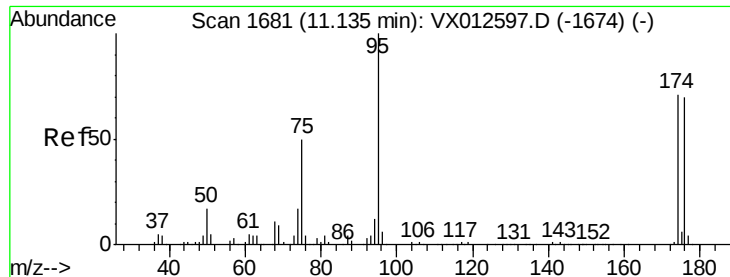
100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.660 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012816.D

Acq: 04 Oct 2019 16:58

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ181I-20191001

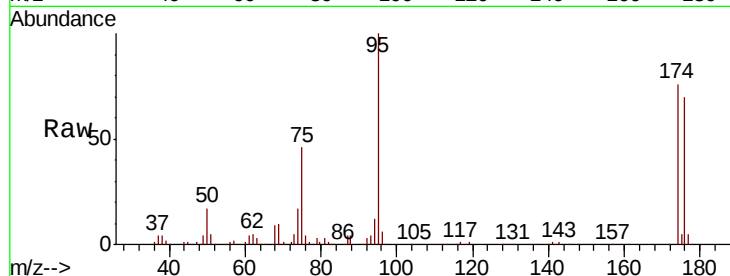
Tot Ion: 95 Resp: 118186

Ion Ratio Lower Upper

95 100

174 71.9 0.0 140.0

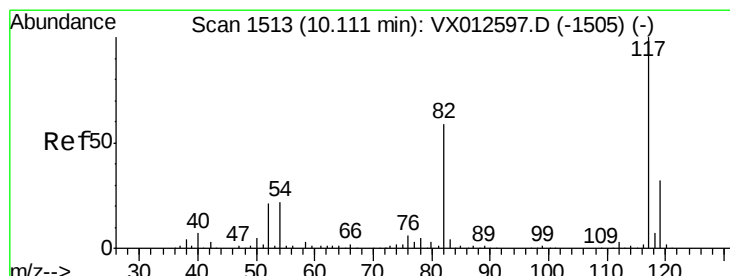
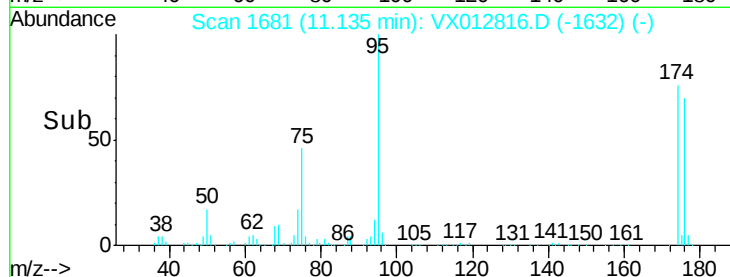
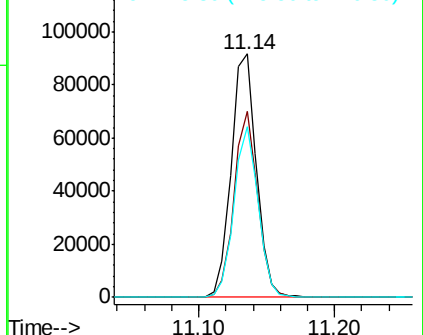
176 67.4 0.0 135.4



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: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012816.D

Acq: 04 Oct 2019 16:58

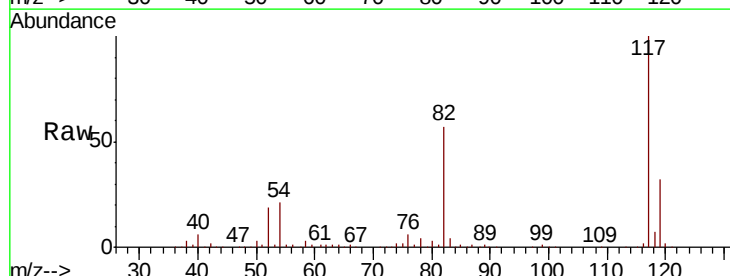
Tgt Ion: 117 Resp: 254075

Ion Ratio Lower Upper

117 100

82 57.5 45.9 68.9

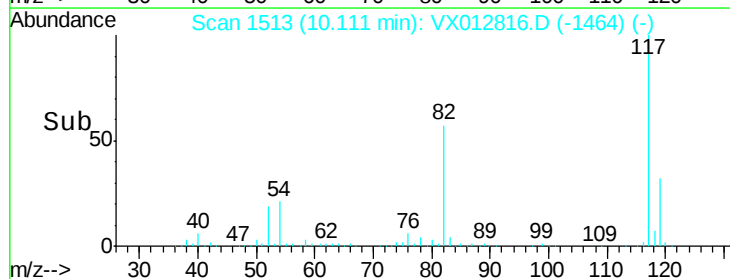
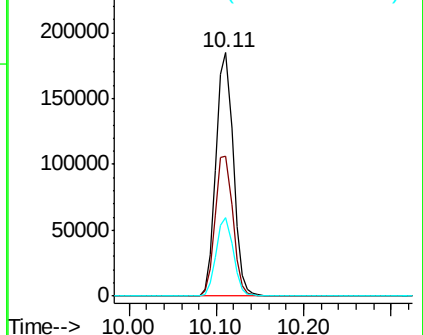
119 32.1 25.3 37.9

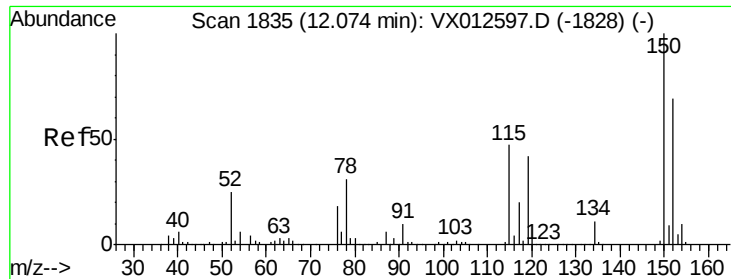


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX012816.D

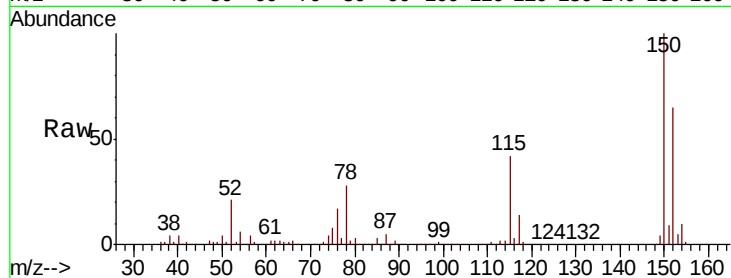
Acq: 04 Oct 2019 16:58

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ181I-20191001



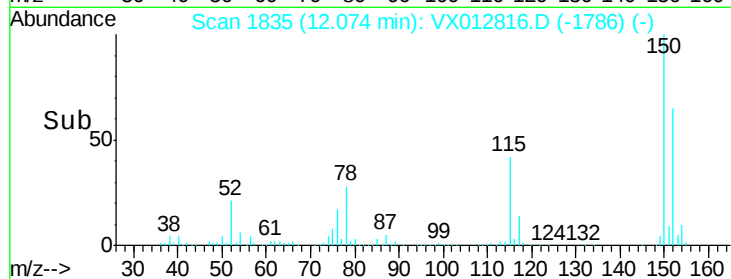
Tot Ion:152 Resp: 94993

Ion Ratio Lower Upper

152 100

115 64.6 44.1 132.3

150 157.6 0.0 343.8



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

