

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\  
 Data File : VX017043.D  
 Acq On : 30 Jun 2020 14:31  
 Operator : JC/SP  
 Sample : L3147-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RB04-20200626

Quant Time: Jul 01 08:37:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 29 17:10:38 2020  
 Response via : Initial Calibration

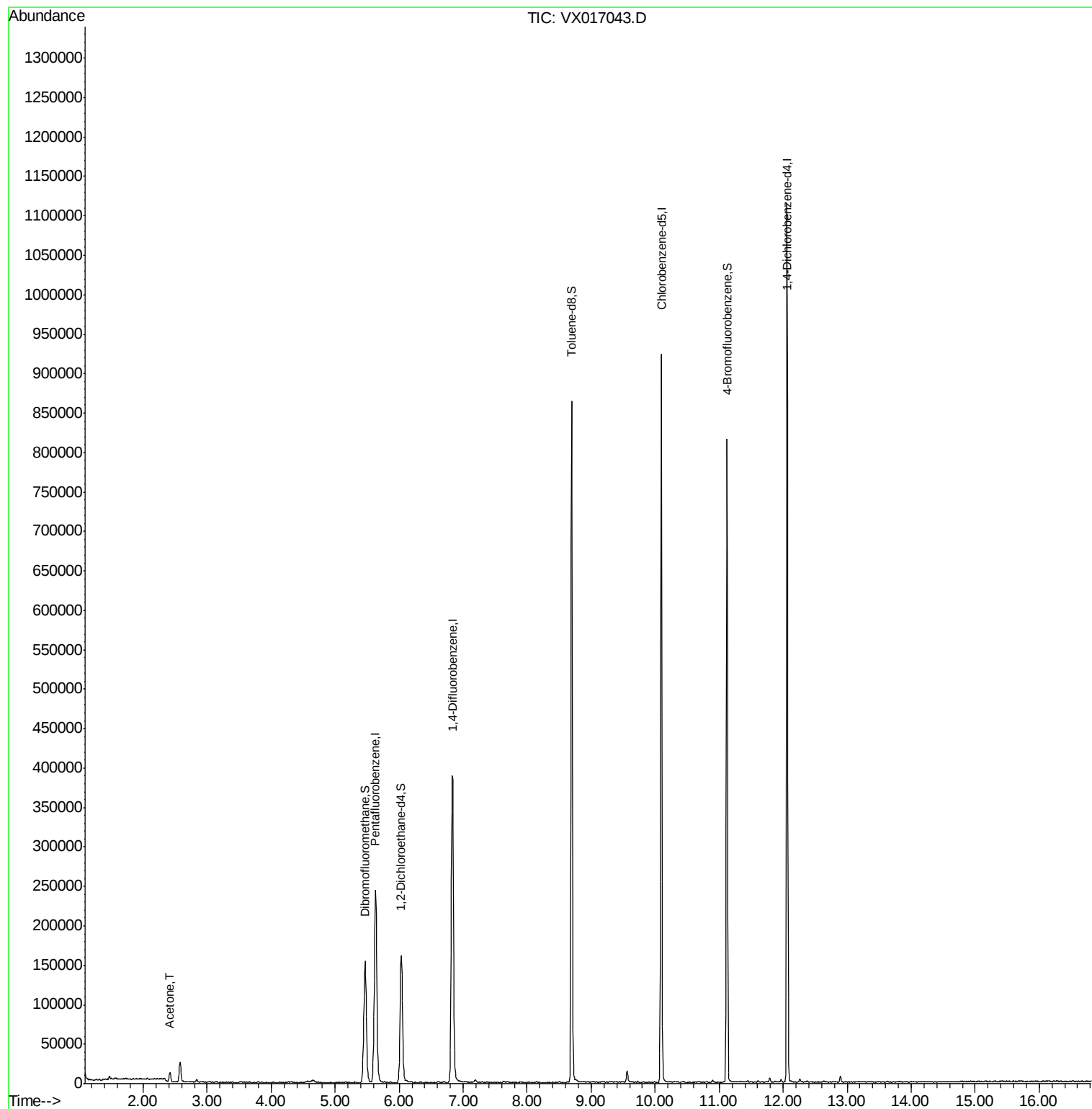
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|--------|---------|------------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 231523   | 50.00  | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 406616   | 50.00  | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 420669   | 50.00  | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 221479   | 50.00  | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |        |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 153817   | 53.89  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.78% |            |
| 35) Dibromofluoromethane    | 5.46  | 113  | 134271   | 52.20  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.40% |            |
| 50) Toluene-d8              | 8.70  | 98   | 493454   | 51.88  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.76% |            |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 206717   | 55.60  | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =      | 111.20% |            |
| Target Compounds            |       |      |          |        |         |            |
| 16) Acetone                 | 2.42  | 43   | 12176    | 11.404 | ug/l    | Qvalue 100 |

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

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Quant Time: Jul 01 08:37:25 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X062920W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 29 17:10:38 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

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Acq: 30 Jun 2020 14:31

Instrument :

MSVOA\_X

ClientSampleId :

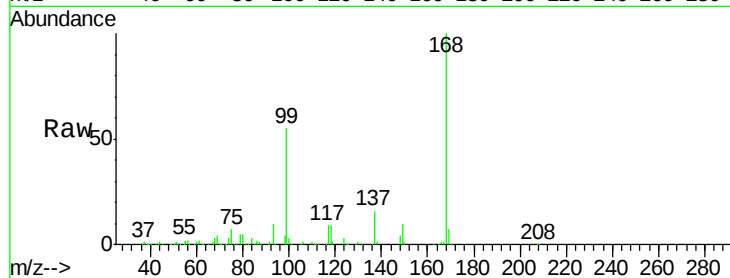
RB04-20200626

Tot Ion:168 Resp: 231523

Ion Ratio Lower Upper

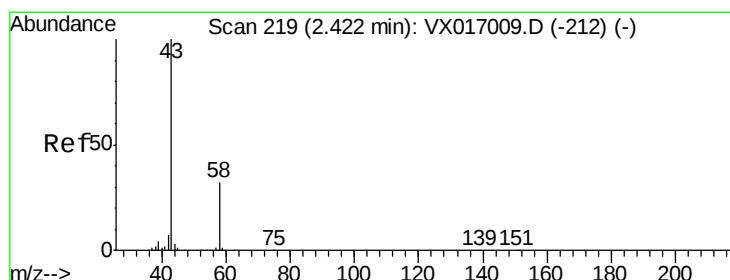
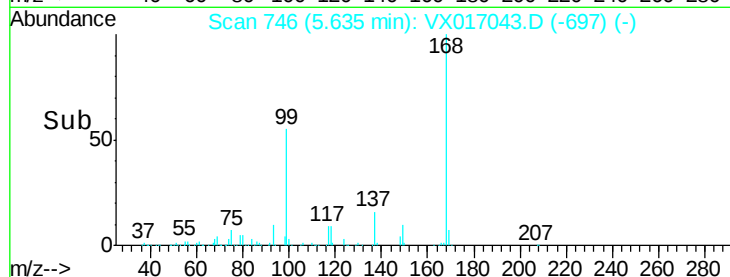
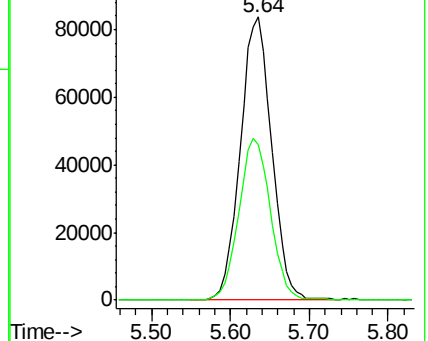
168 100

99 54.8 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 11.404 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017043.D

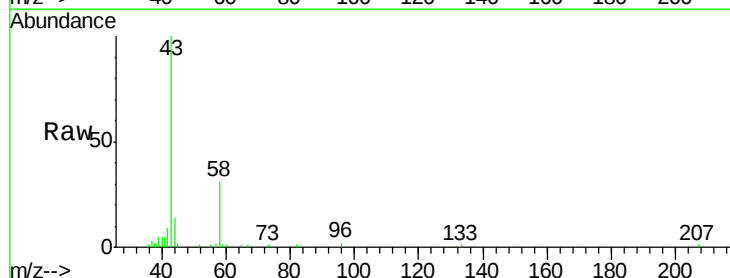
Acq: 30 Jun 2020 14:31

Tgt Ion: 43 Resp: 12176

Ion Ratio Lower Upper

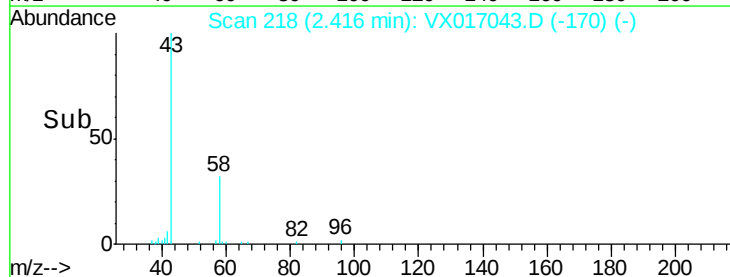
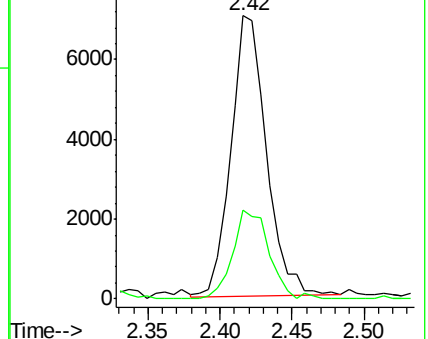
43 100

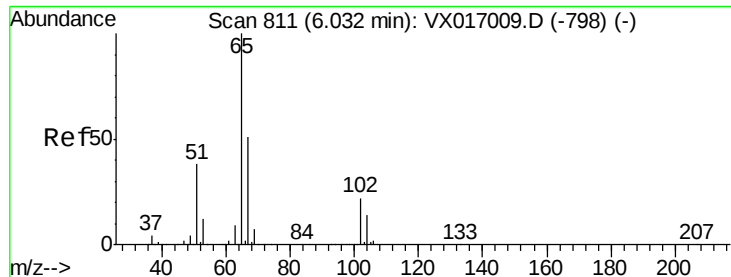
58 31.9 25.7 38.5



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: 53.891 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA\_X

ClientSampleId :

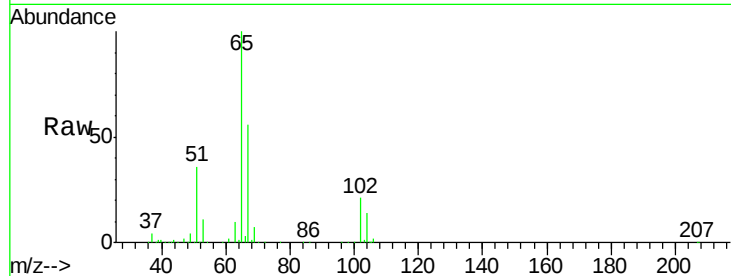
RB04-20200626

Tot Ion: 65 Resp: 153817

Ion Ratio Lower Upper

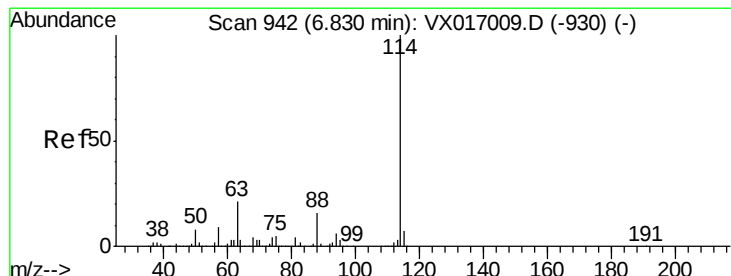
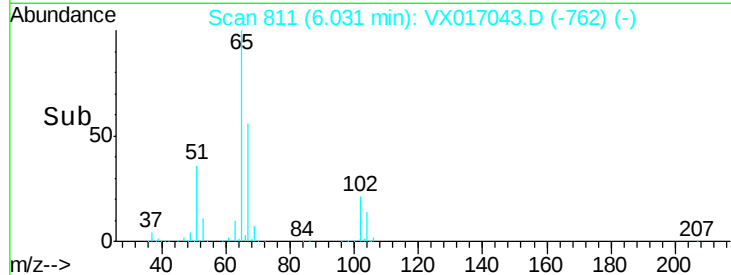
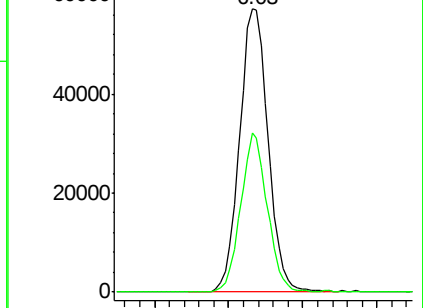
65 100

67 52.3 0.0 103.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

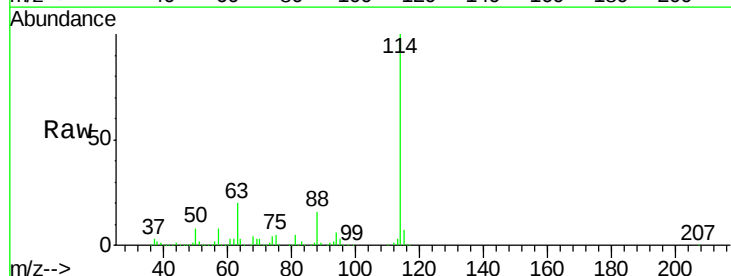
Tgt Ion: 114 Resp: 406616

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

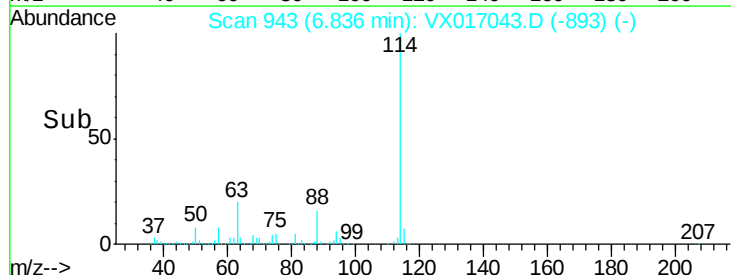
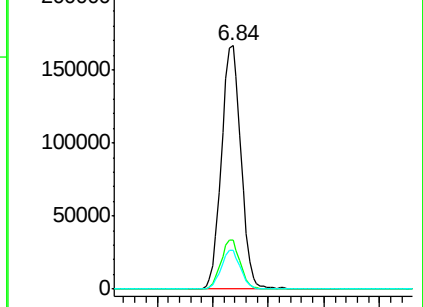
88 15.9 0.0 32.4

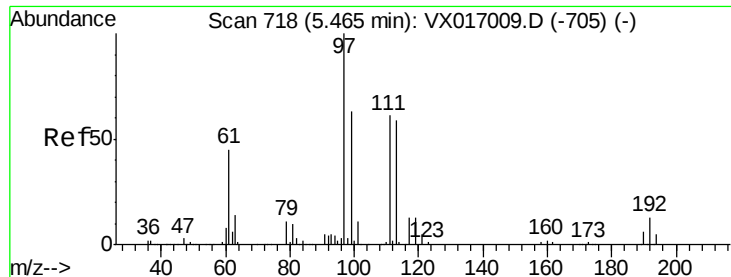


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

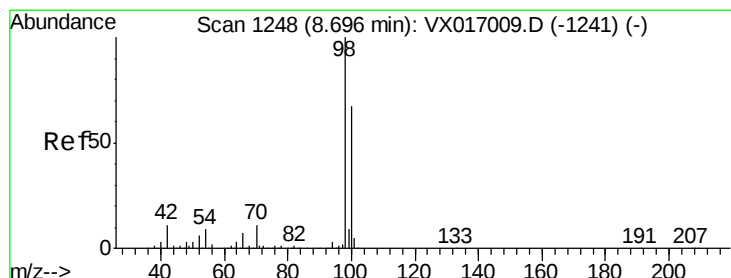
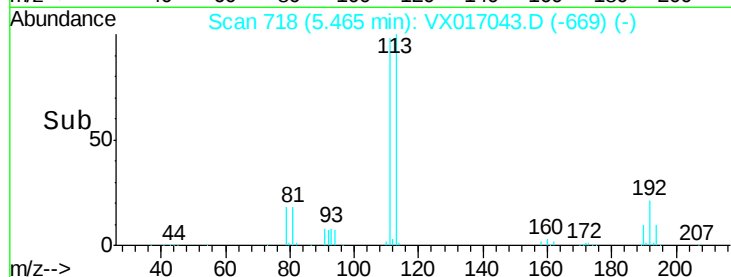
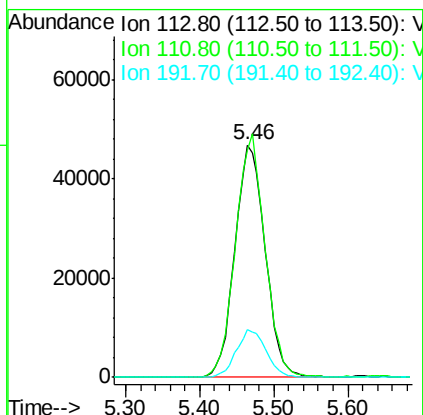
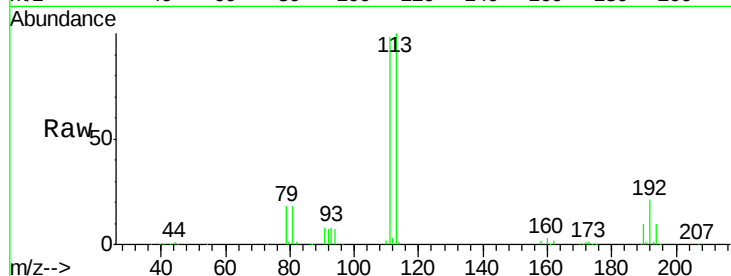




#35  
 Dibromofluoromethane  
 Concen: 52.202 ug/l  
 RT: 5.46 min Scan# 718  
 Delta R.T. -0.00 min  
 Lab File: VX017043.D  
 Acq: 30 Jun 2020 14:31

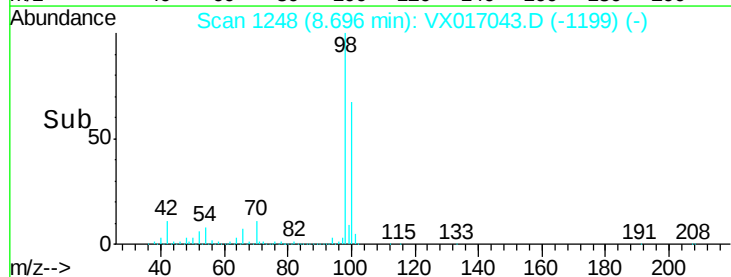
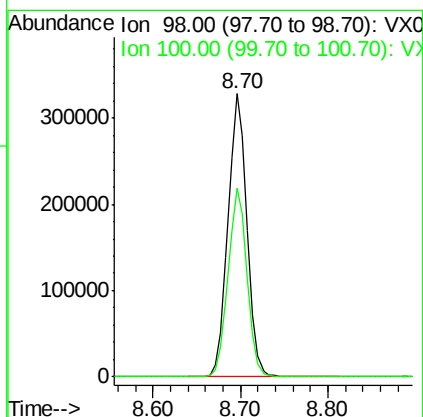
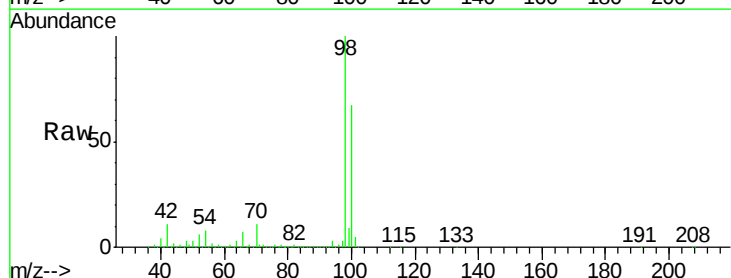
Instrument :  
 MSVOA\_X  
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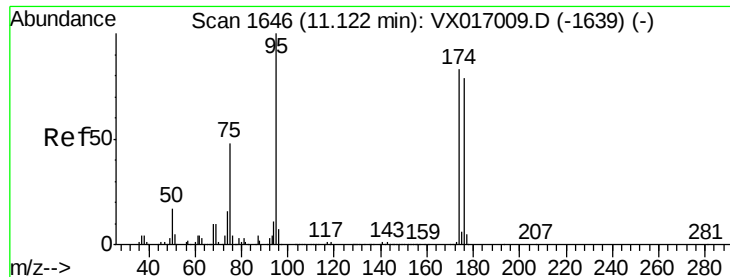
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.7 | 81.9  | 122.9 |
| 192     | 20.2  | 16.7  | 25.1  |



#50  
 Toluene-d8  
 Concen: 51.881 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX017043.D  
 Acq: 30 Jun 2020 14:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 66.6  | 53.8  | 80.6  |





#62

4-Bromofluorobenzene

Concen: 55.598 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA\_X

ClientSampleId :

RB04-20200626

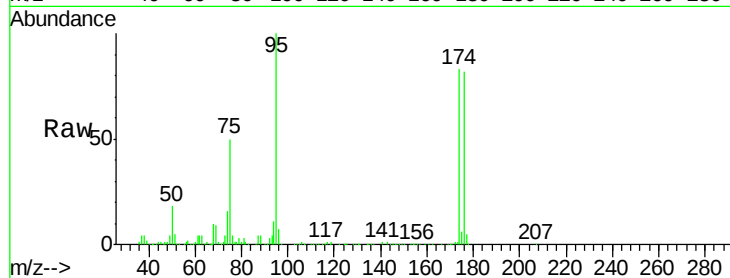
Tot Ion: 95 Resp: 206717

Ion Ratio Lower Upper

95 100

174 81.7 0.0 164.0

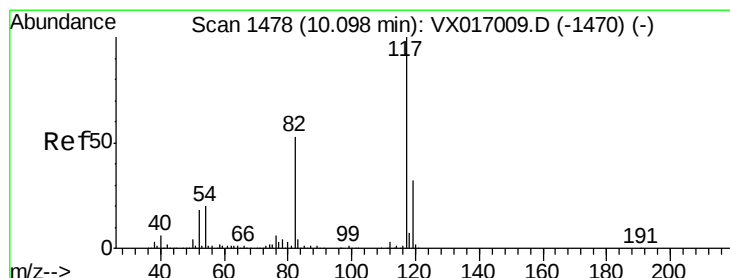
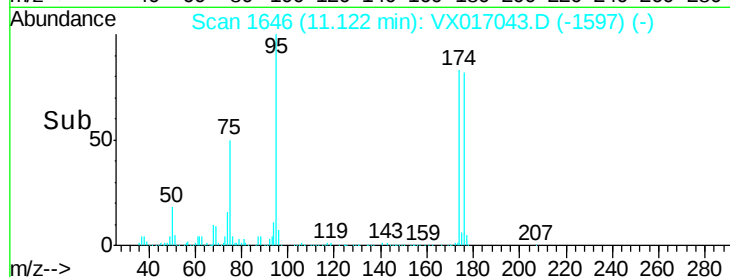
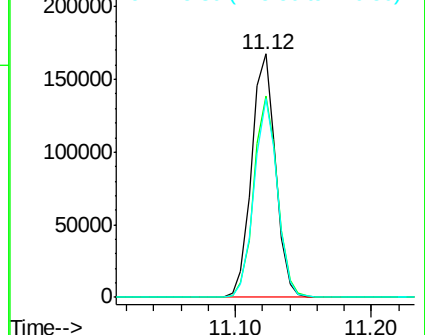
176 79.9 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

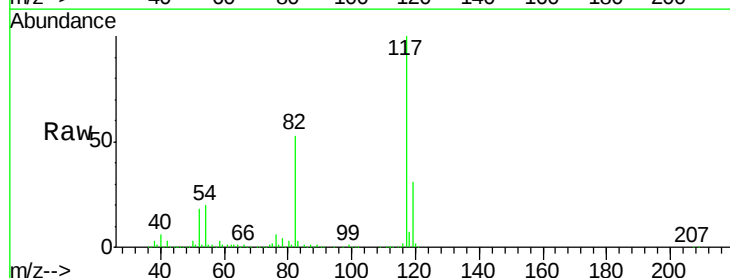
Tgt Ion: 117 Resp: 420669

Ion Ratio Lower Upper

117 100

82 52.6 42.6 63.8

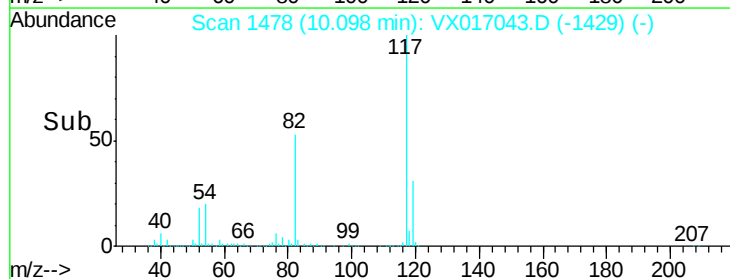
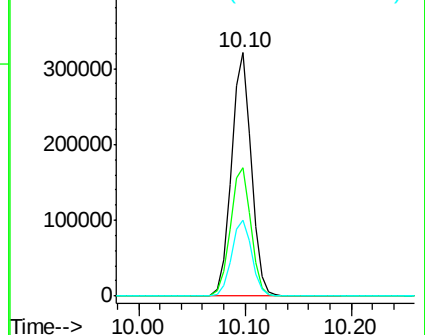
119 31.2 25.4 38.2

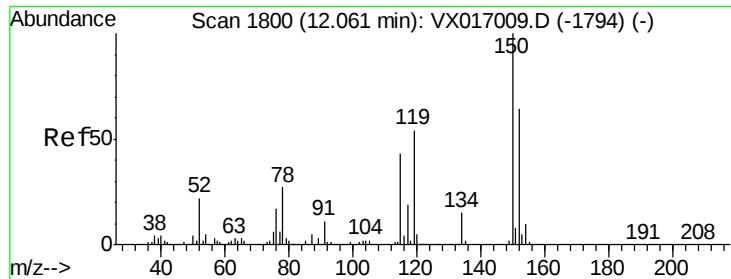


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017043.D

Acq: 30 Jun 2020 14:31

Instrument :

MSVOA\_X

ClientSampleId :

RB04-20200626

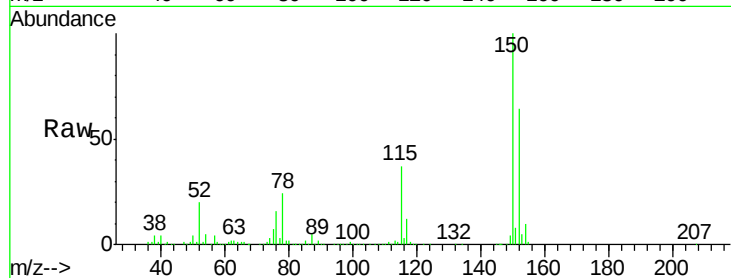
Tot Ion:152 Resp: 221479

Ion Ratio Lower Upper

152 100

115 57.5 40.9 122.7

150 156.1 0.0 351.6



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

