

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062118\  
 Data File : VX002813.D  
 Acq On : 22 Jun 2018 03:07  
 Operator : JC/MD  
 Sample : PB110441ZHE#16  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB110441ZHE#16

Quant Time: Jun 22 05:50:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061518W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:37:33 2018  
 Response via : Initial Calibration

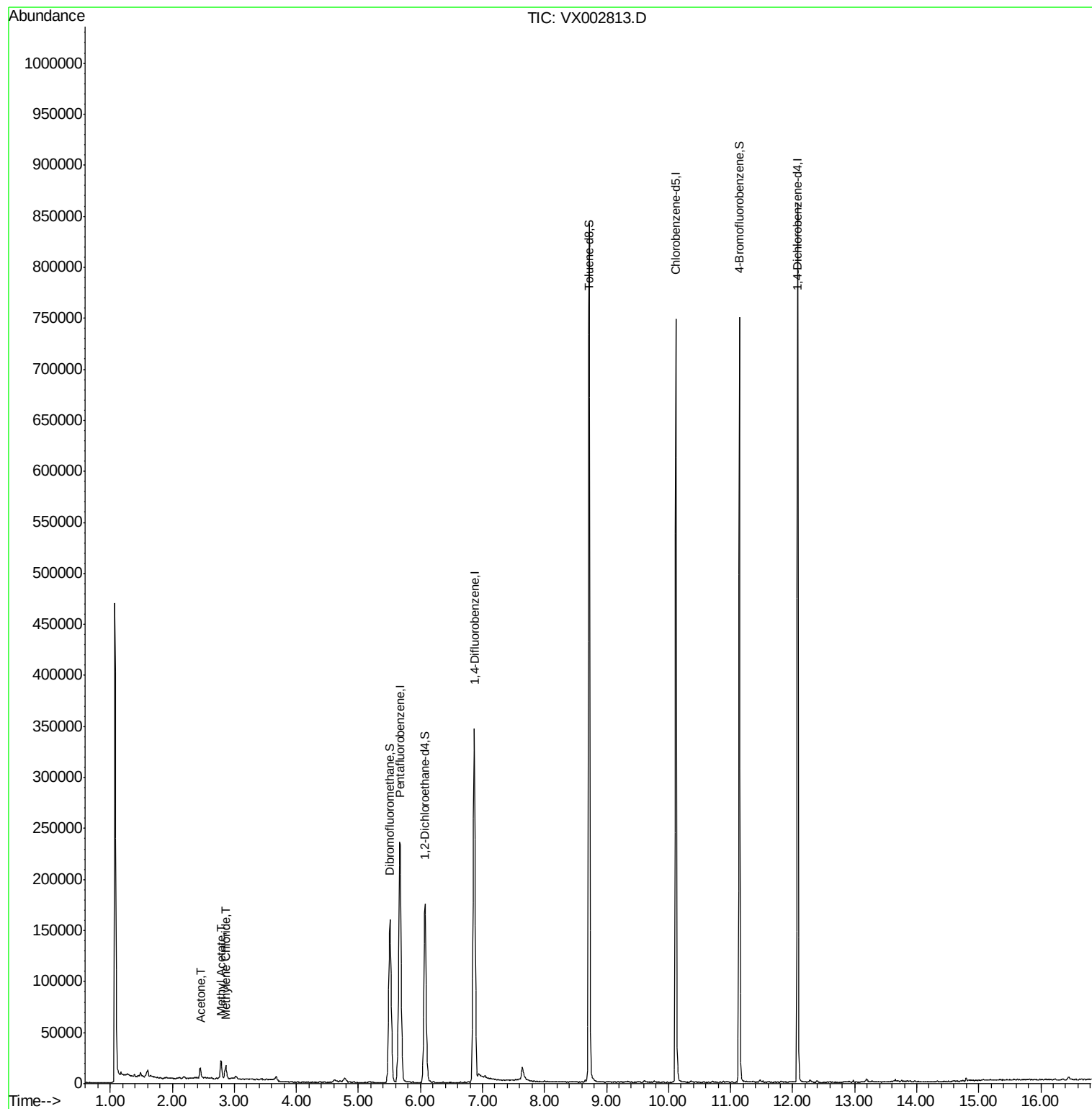
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 5.67  | 168  | 235490   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.87  | 114  | 334371   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 319914   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.09 | 152  | 182896   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 165558   | 46.26 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.52% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 129044   | 48.36 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.72% |          |
| 50) Toluene-d8              | 8.72  | 98   | 482131   | 47.58 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.16% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 169603   | 44.17 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.34% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.45  | 43   | 13099    | 8.30  | ug/l   | 92       |
| 18) Methyl Acetate          | 2.78  | 43   | 22083    | 5.25  | ug/l   | 97       |
| 20) Methylene Chloride      | 2.86  | 84   | 6095     | 1.88  | ug/l   | 96       |

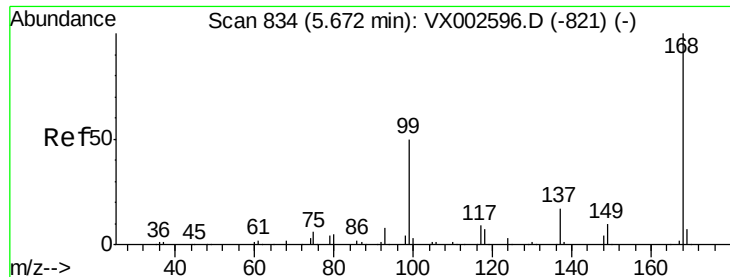
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:37:33 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

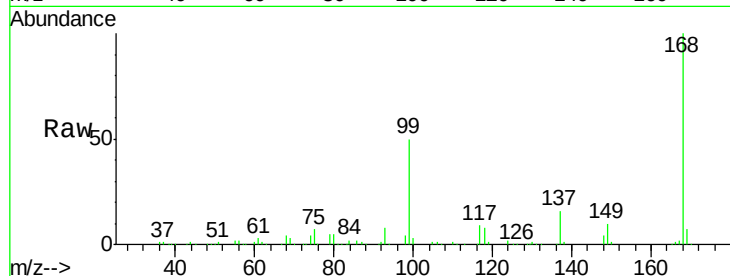
PB110441ZHE#16

Tot Ion:168 Resp: 235490

Ion Ratio Lower Upper

168 100

99 49.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

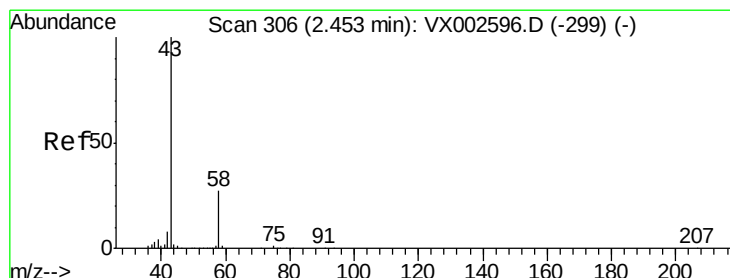
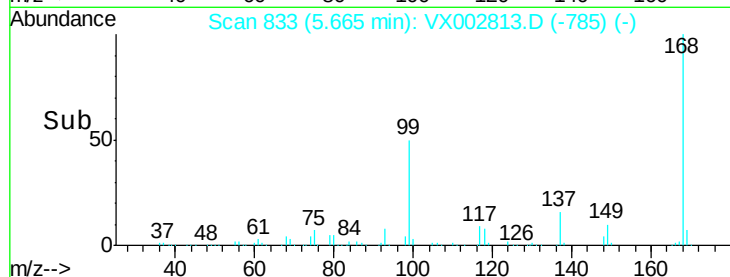
40000

20000

0

5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 8.30 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002813.D

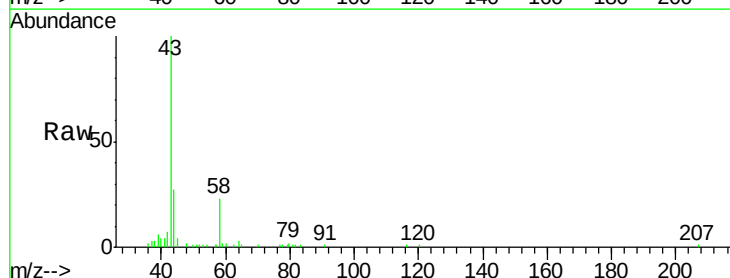
Acq: 22 Jun 2018 03:07

Tgt Ion: 43 Resp: 13099

Ion Ratio Lower Upper

43 100

58 23.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

6000

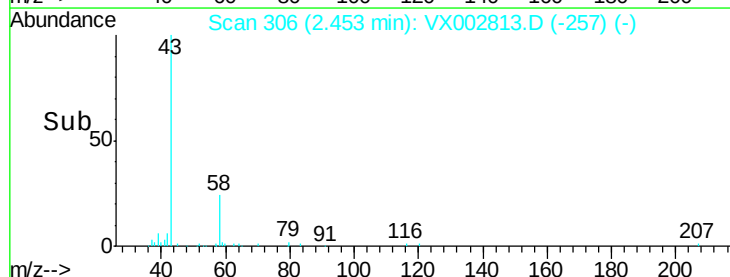
4000

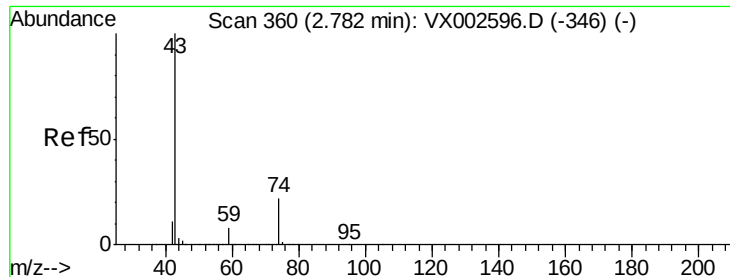
2000

0

2.40 2.45 2.50

Time-->





#18

Methvl Acetate

Concen: 5.25 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

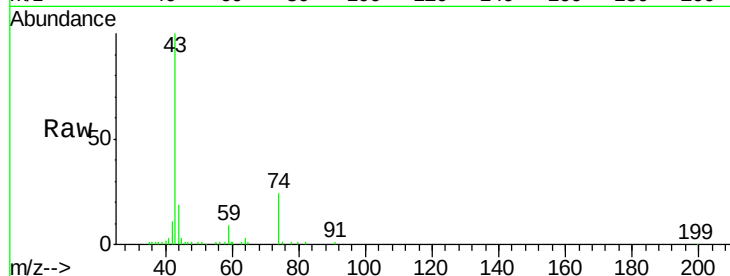
PB110441ZHE#16

Tot Ion: 43 Resp: 22083

Ion Ratio Lower Upper

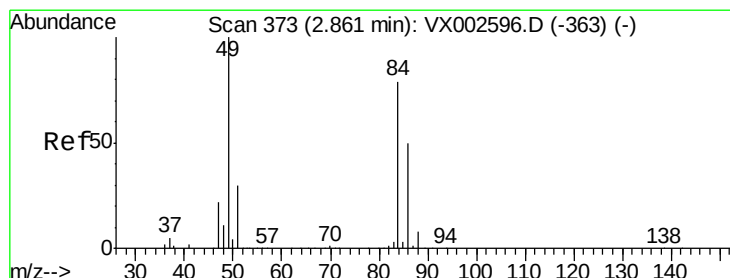
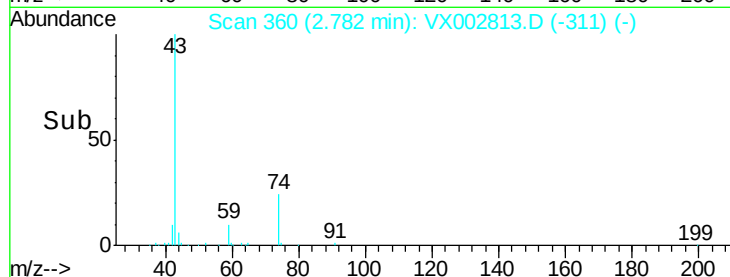
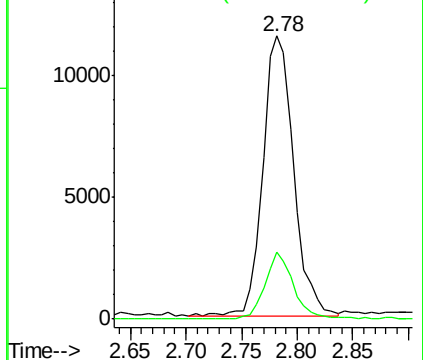
43 100

74 22.5 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 1.88 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Tgt Ion: 84 Resp: 6095

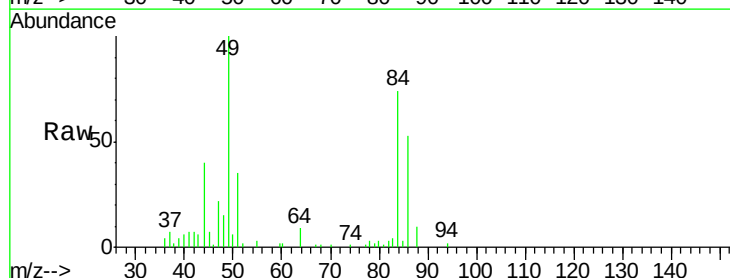
Ion Ratio Lower Upper

84 100

49 135.1 107.8 161.6

51 45.9 32.8 49.2

86 71.8 52.5 78.7

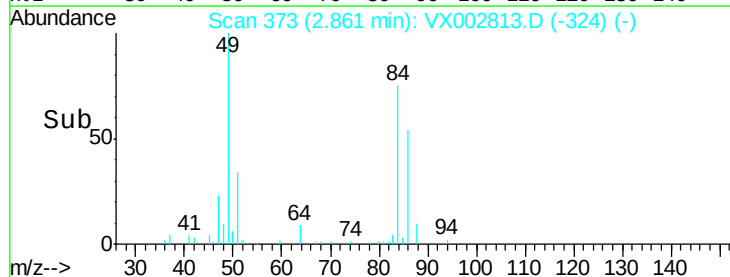
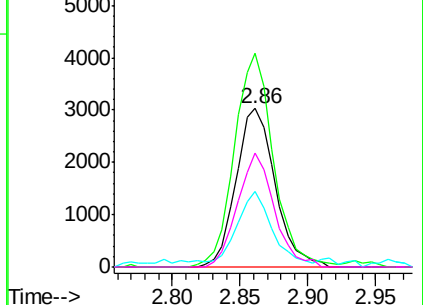


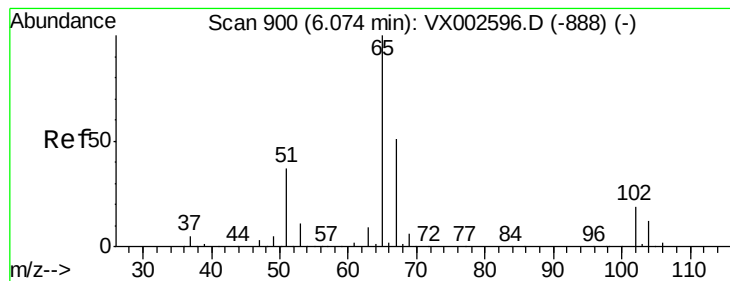
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.26 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

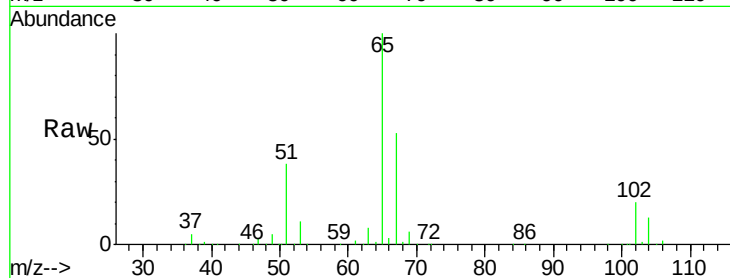
PB110441ZHE#16

Tot Ion: 65 Resp: 165558

Ion Ratio Lower Upper

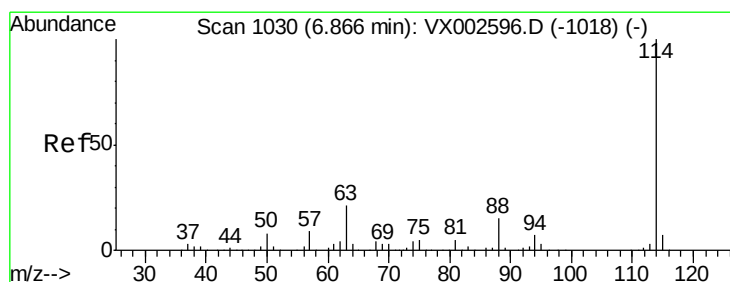
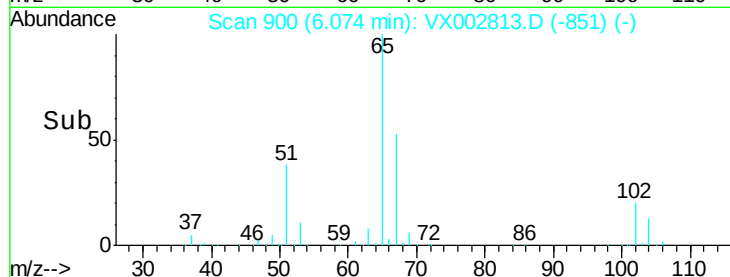
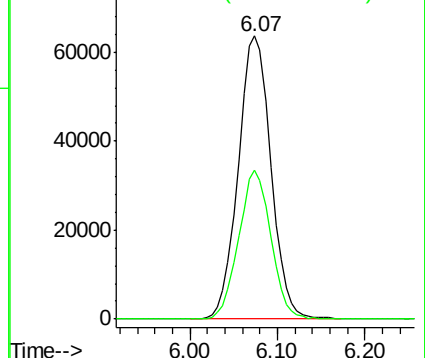
65 100

67 51.9 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: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

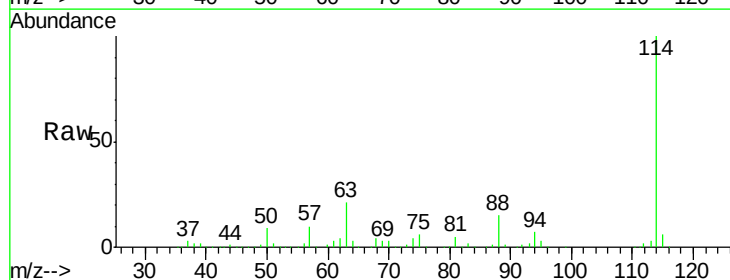
Tgt Ion: 114 Resp: 334371

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.4

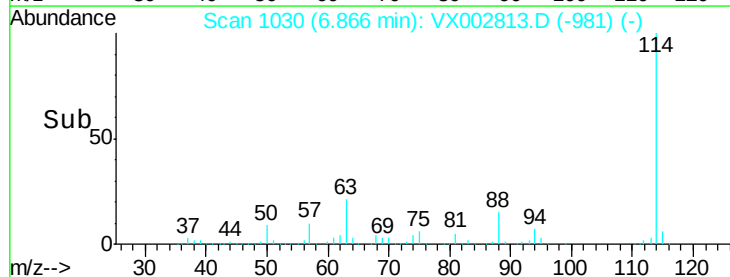
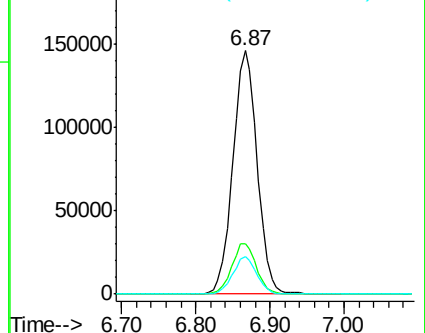
88 15.4 0.0 30.0

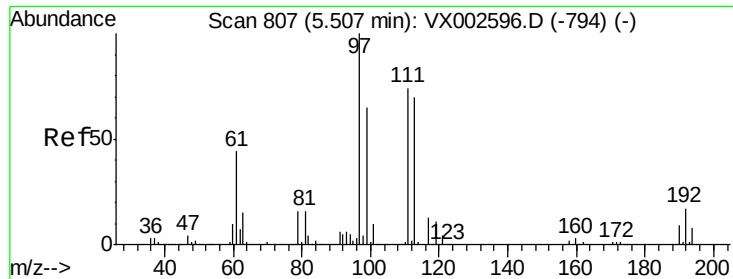


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.36 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

PB110441ZHE#16

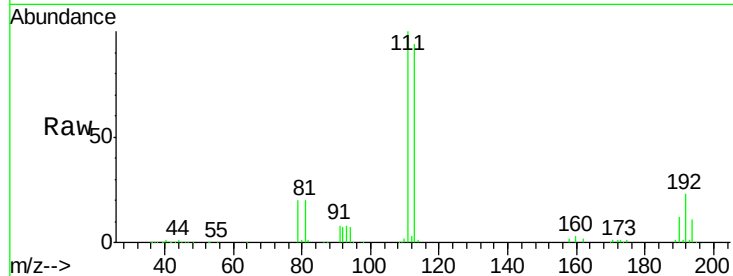
Tot Ion:113 Resp: 129044

Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

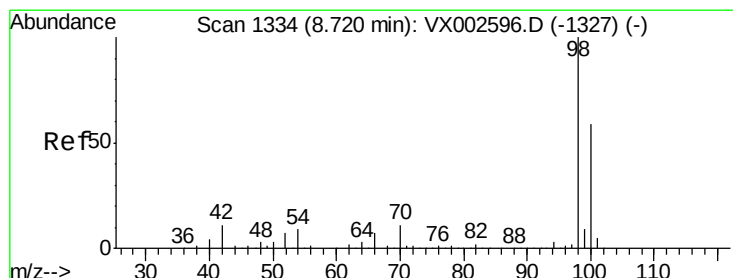
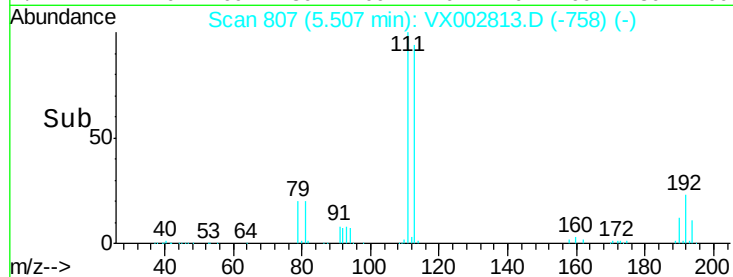
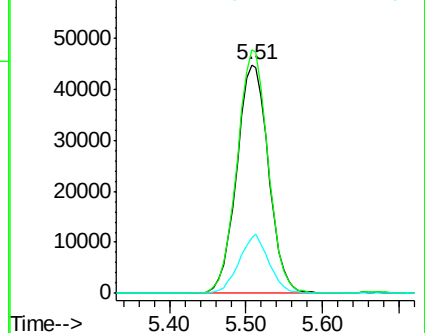
192 24.1 19.1 28.7



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: 47.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002813.D

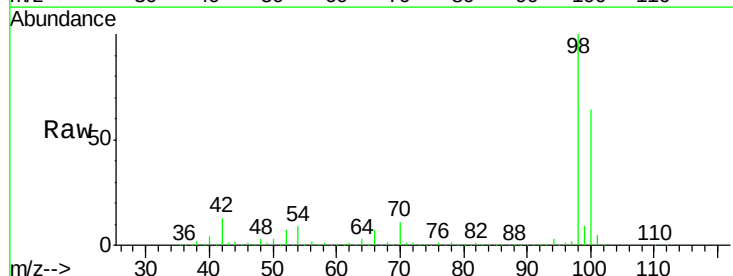
Acq: 22 Jun 2018 03:07

Tgt Ion: 98 Resp: 482131

Ion Ratio Lower Upper

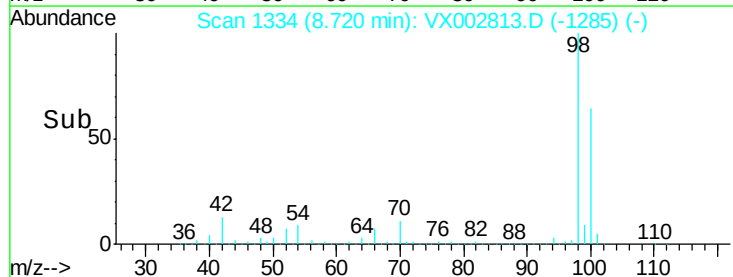
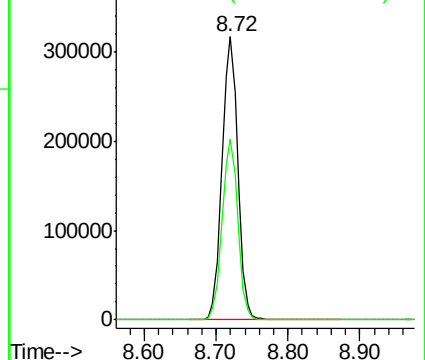
98 100

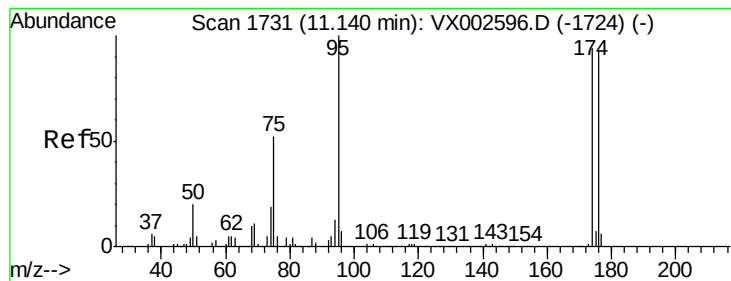
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.17 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

PB110441ZHE#16

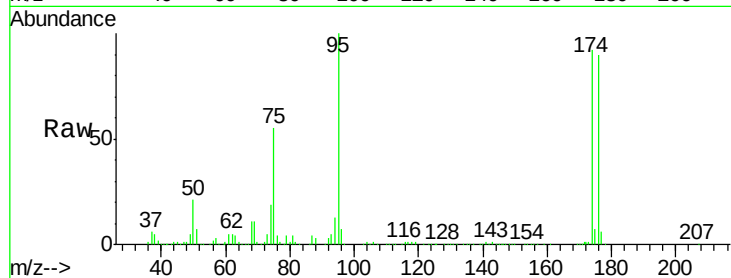
Tot Ion: 95 Resp: 169603

Ion Ratio Lower Upper

95 100

174 96.8 0.0 187.4

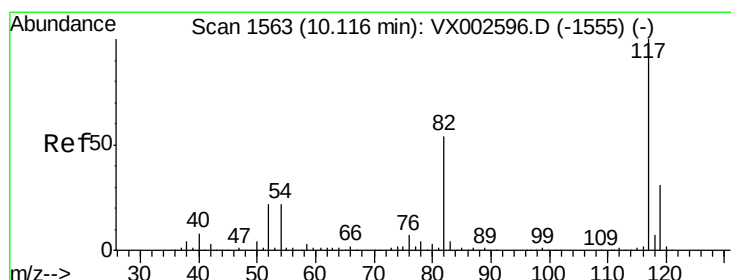
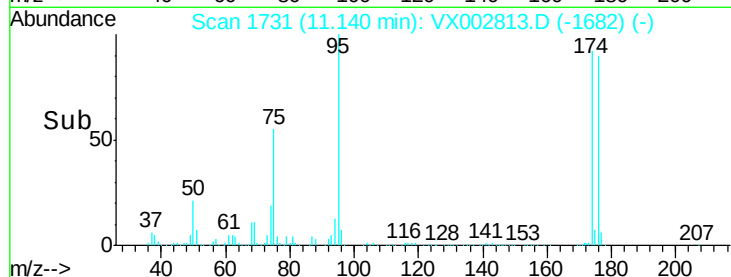
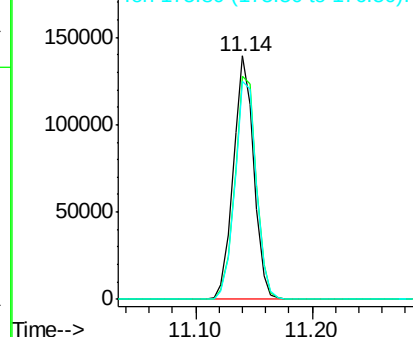
176 94.5 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002813.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002813.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002813.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

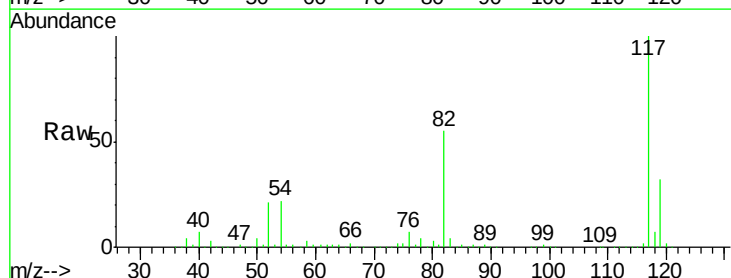
Tgt Ion: 117 Resp: 319914

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.4

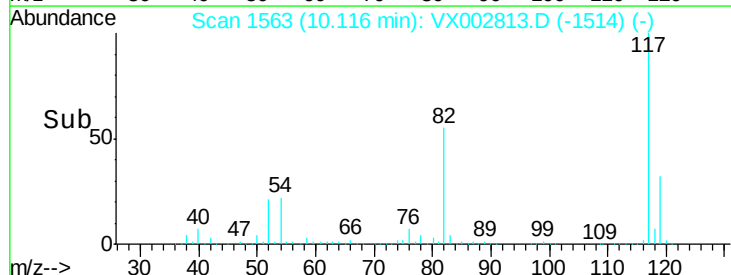
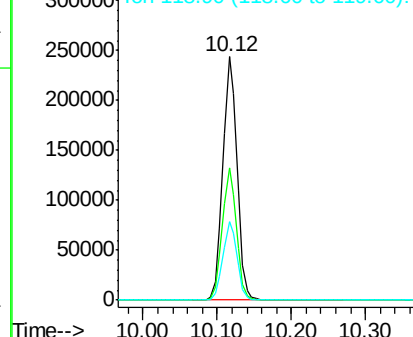
119 32.2 25.8 38.6

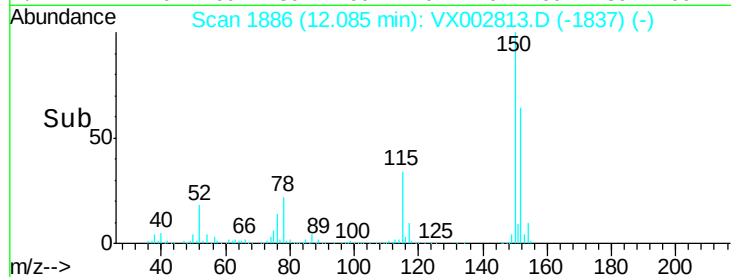
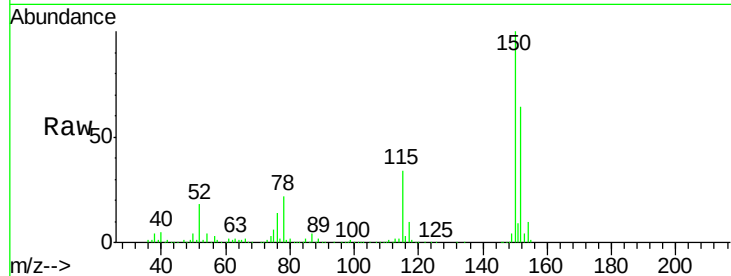
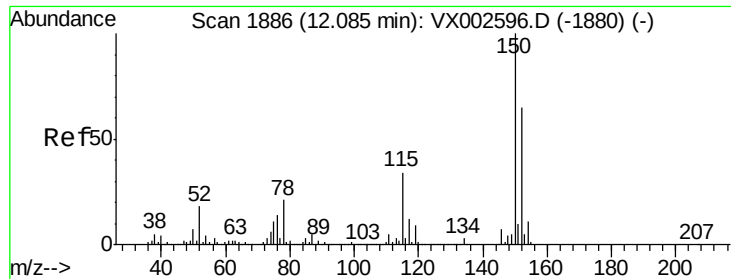


Abundance Ion 116.90 (116.60 to 117.60): VX002813.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002813.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002813.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002813.D

Acq: 22 Jun 2018 03:07

Instrument :

MSVOA\_X

ClientSampleId :

PB110441ZHE#16

Tot Ion:152 Resp: 182896

Ion Ratio Lower Upper

152 100

115 54.8 40.1 120.2

150 155.9 0.0 347.2

