

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\  
 Data File : VU024804.D  
 Acq On : 21 Jun 2018 12:27  
 Operator : MD/SY  
 Sample : J3529-04DL 5X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TPTW-02DL

Quant Time: Jun 21 16:03:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 13 13:55:26 2018  
 Response via : Initial Calibration

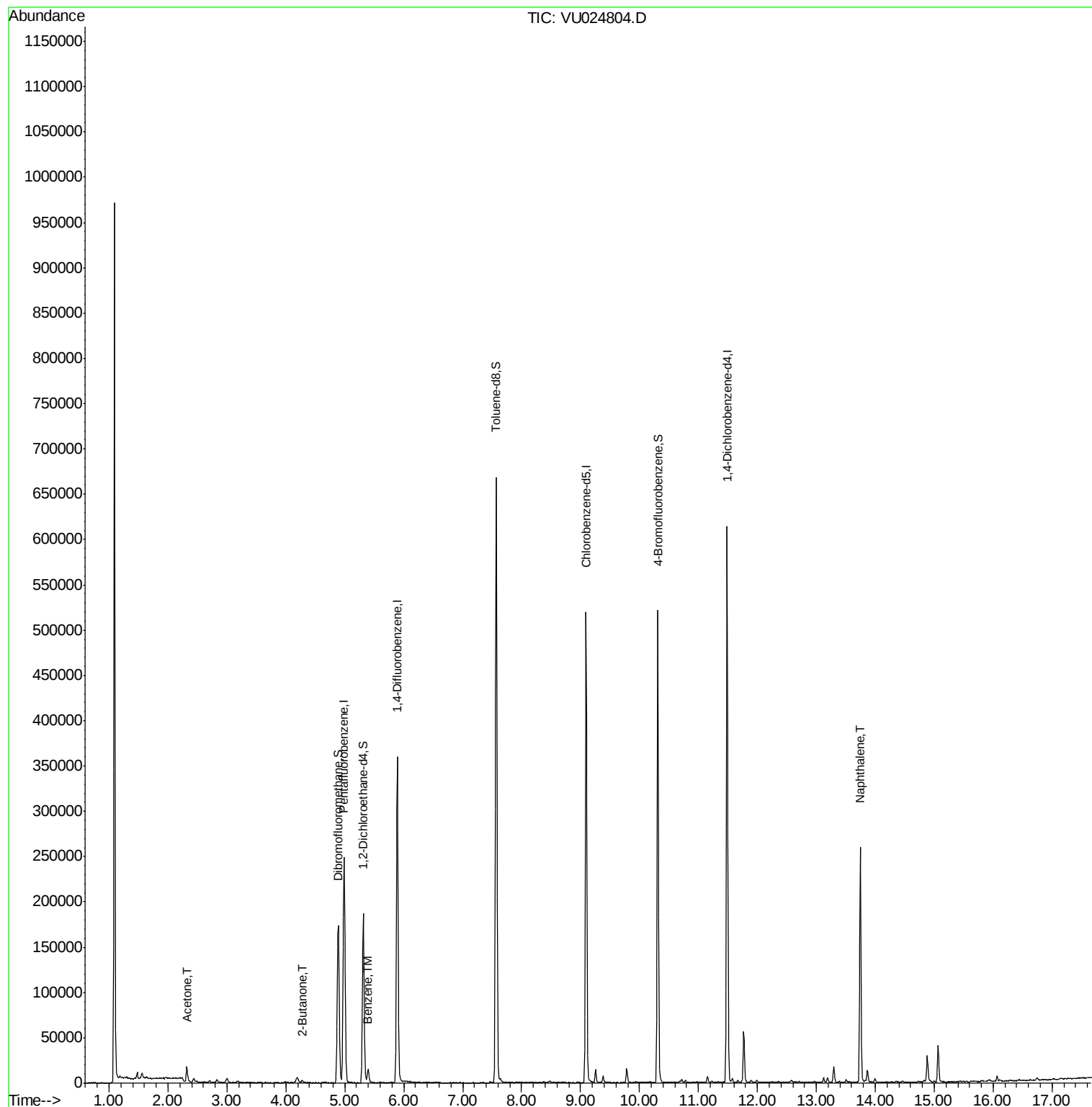
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 197727   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 302689   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 282621   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49 | 152  | 155407   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 145377   | 45.04 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.08% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 117952   | 46.95 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.90% |          |
| 50) Toluene-d8              | 7.57  | 98   | 445773   | 48.65 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.30% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 163865   | 45.04 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.08% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.32  | 43   | 16626    | 9.59  | ug/l   | 98       |
| 25) 2-Butanone              | 4.27  | 43   | 4961     | 2.13  | ug/l   | 95       |
| 40) Benzene                 | 5.39  | 78   | 14153    | 1.40  | ug/l   | 98       |
| 95) Naphthalene             | 13.74 | 128  | 206059   | 18.47 | ug/l   | 100      |

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

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QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

Instrument :

MSVOA\_U

ClientSampleId :

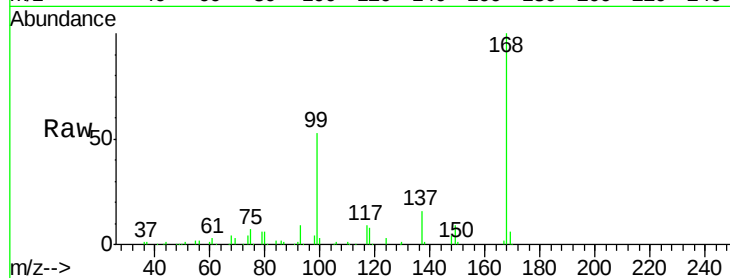
TPTW-02DL

Tot Ion:168 Resp: 197727

Ion Ratio Lower Upper

168 100

99 53.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024804.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024804.D (-1275) (-)

4.99

80000

60000

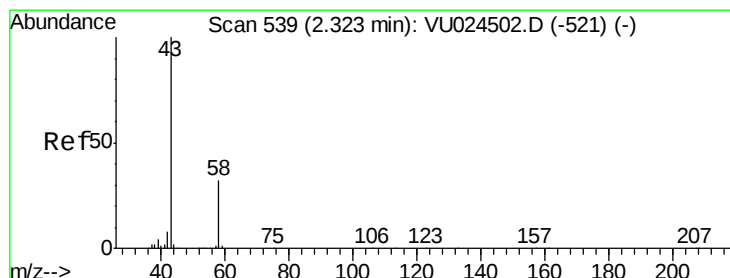
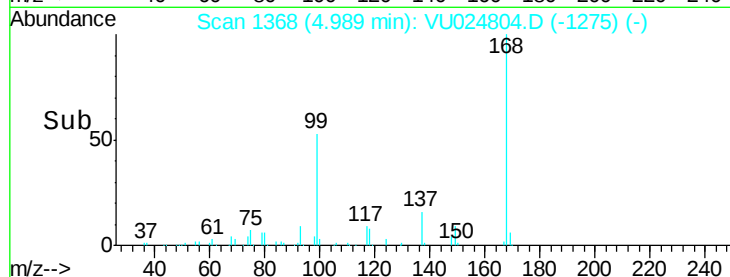
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#16

Acetone

Concen: 9.59 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024804.D

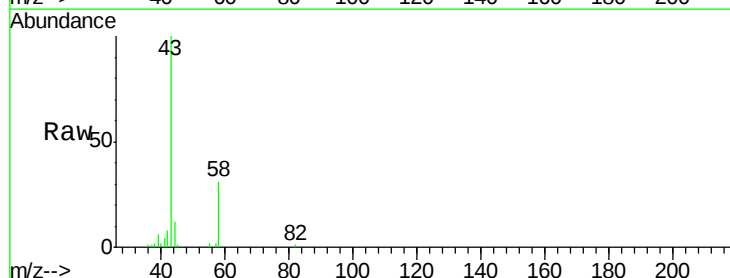
Acq: 21 Jun 2018 12:27

Tgt Ion: 43 Resp: 16626

Ion Ratio Lower Upper

43 100

58 31.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024804.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024804.D (-446) (-)

2.32

12000

10000

8000

6000

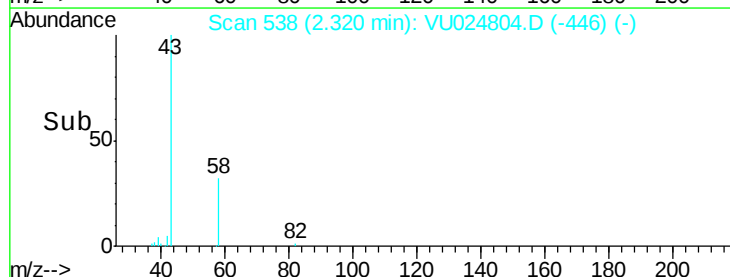
4000

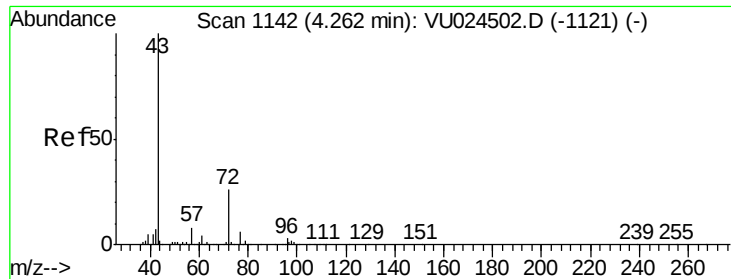
2000

0

2.25 2.30 2.35 2.40

Time-->

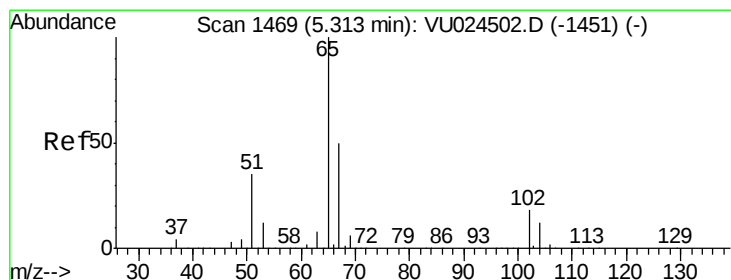
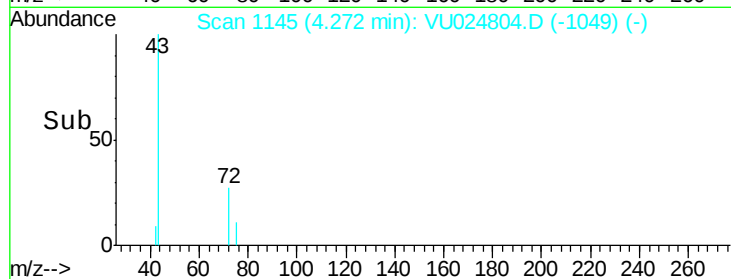
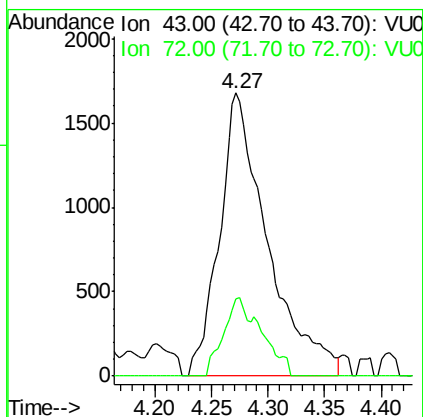
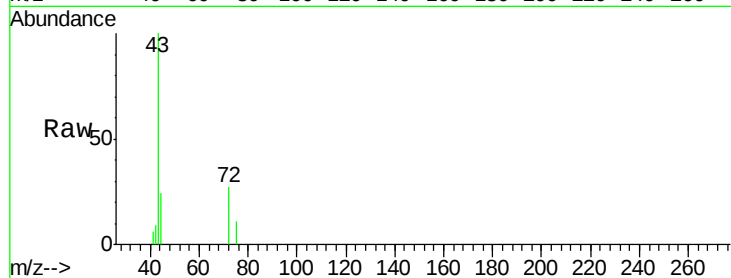




#25  
2-Butanone  
Concen: 2.13 ug/l  
RT: 4.27 min Scan# 1145  
Delta R.T. 0.01 min  
Lab File: VU024804.D  
Acq: 21 Jun 2018 12:27

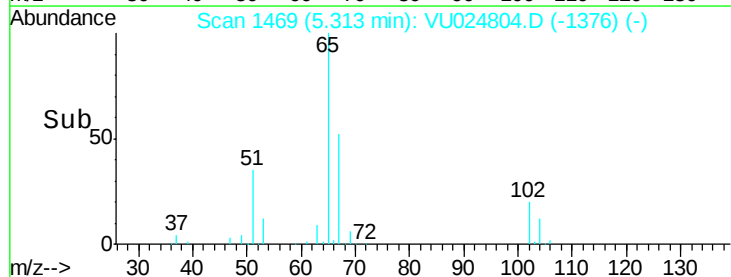
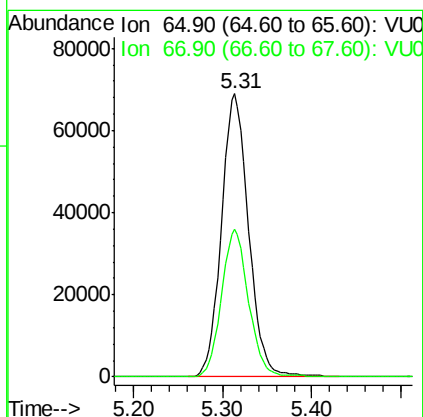
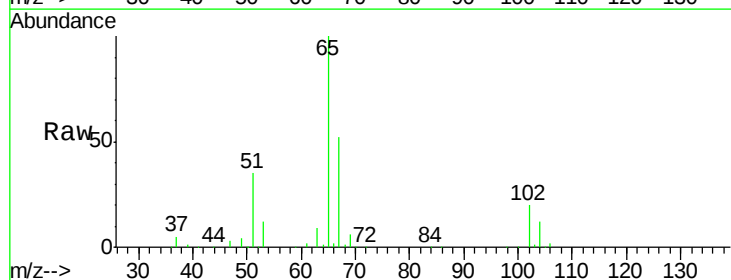
Instrument :  
MSVOA\_U  
ClientSampleId :  
TPTW-02DL

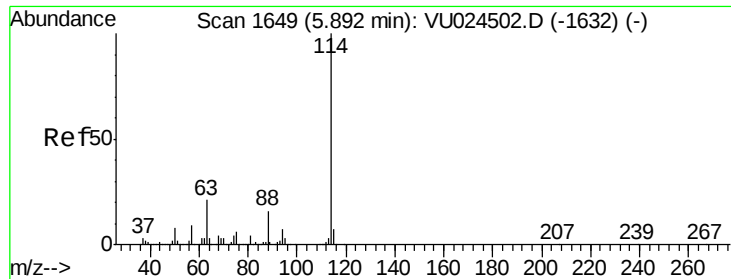
Tot Ion: 43 Resp: 4961  
Ion Ratio Lower Upper  
43 100  
72 27.2 19.6 29.4



#33  
1,2-Dichloroethane-d4  
Concen: 45.04 ug/l  
RT: 5.31 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VU024804.D  
Acq: 21 Jun 2018 12:27

Tgt Ion: 65 Resp: 145377  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

Instrument :

MSVOA\_U

ClientSampleId :

TPTW-02DL

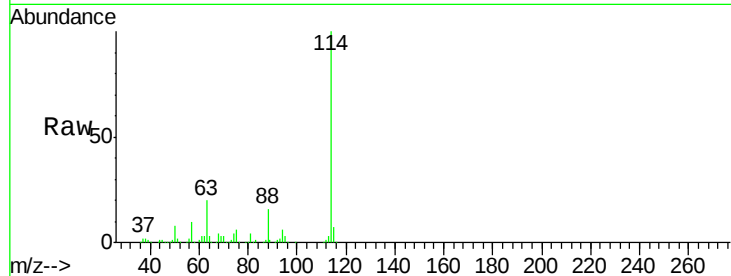
Tot Ion:114 Resp: 302689

Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.4

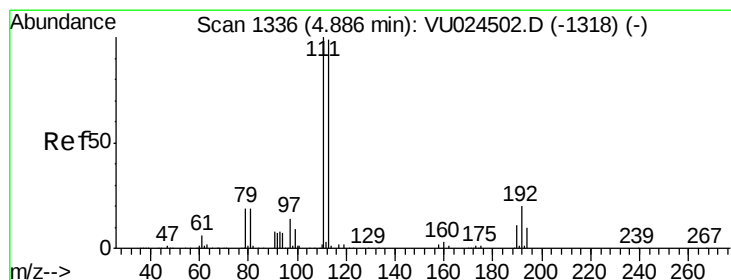
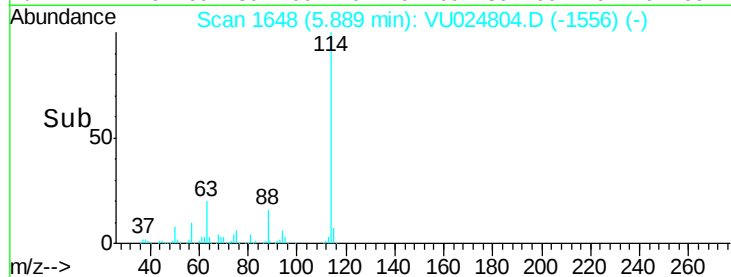
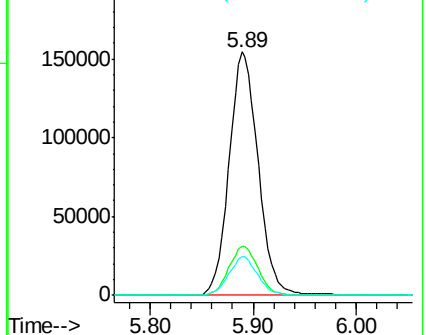
88 16.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.95 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

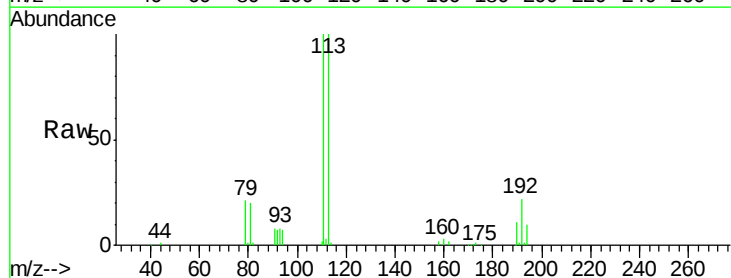
Tgt Ion:113 Resp: 117952

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

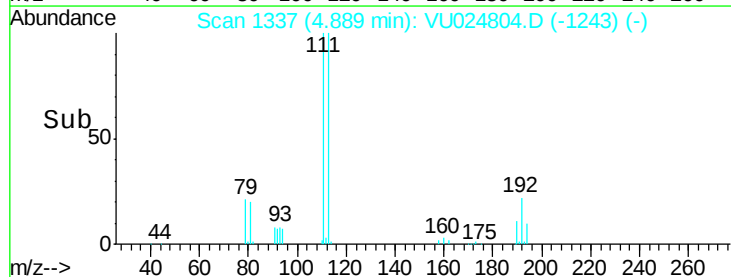
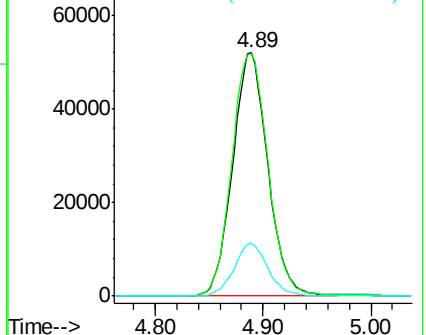
192 21.0 16.2 24.4

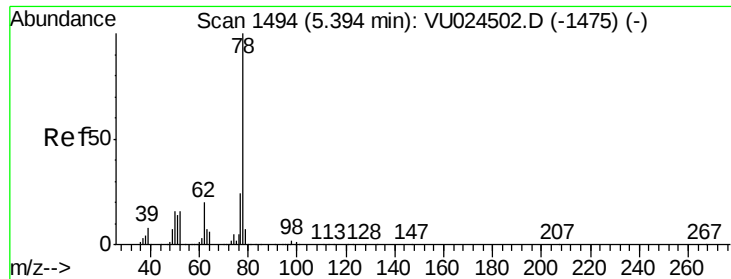


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 1.40 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

Instrument :

MSVOA\_U

ClientSampleId :

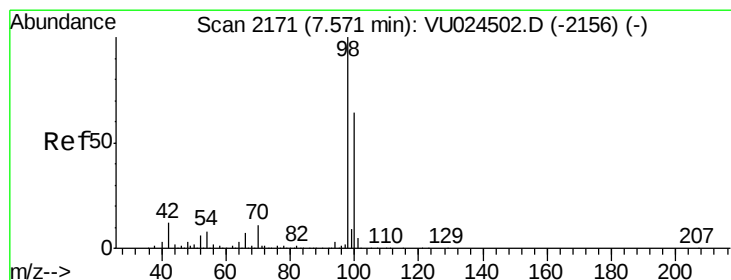
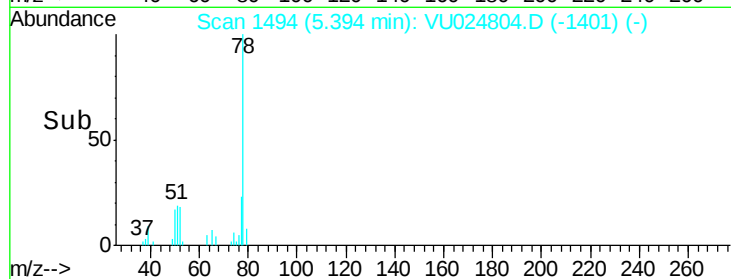
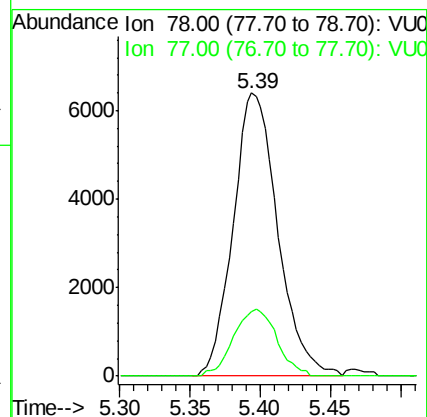
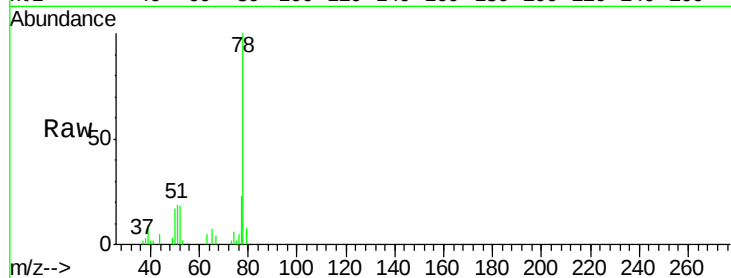
TPTW-02DL

Tot Ion: 78 Resp: 14153

Ion Ratio Lower Upper

78 100

77 23.0 19.2 28.8



#50

Toluene-d8

Concen: 48.65 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024804.D

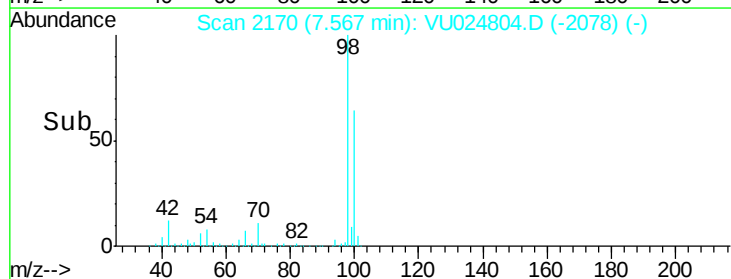
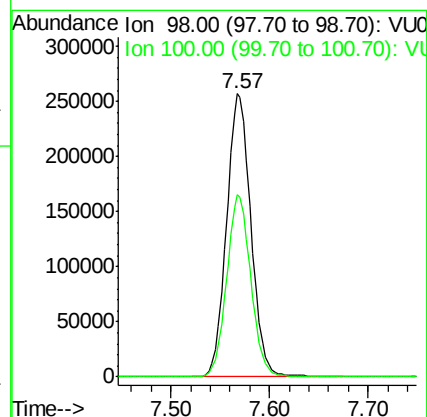
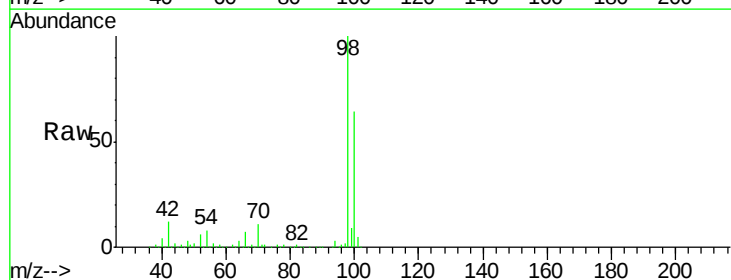
Acq: 21 Jun 2018 12:27

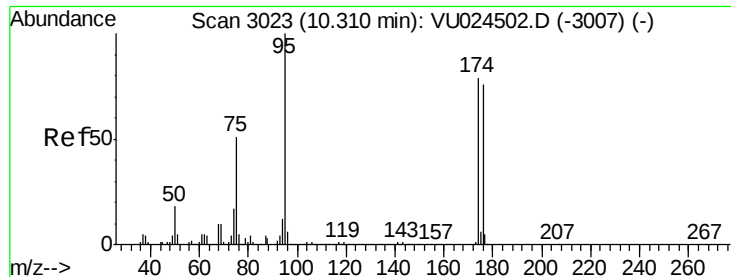
Tgt Ion: 98 Resp: 445773

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 45.04 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

Instrument :

MSVOA\_U

ClientSampleId :

TPTW-02DL

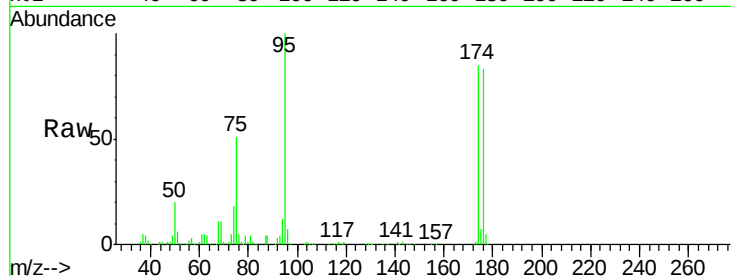
Tot Ion: 95 Resp: 163865

Ion Ratio Lower Upper

95 100

174 86.0 0.0 165.8

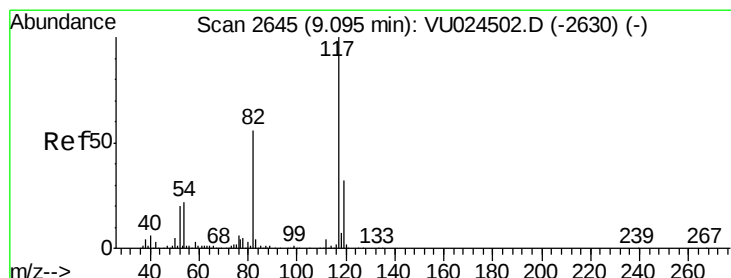
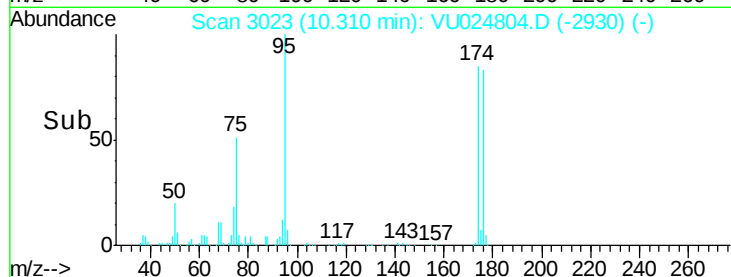
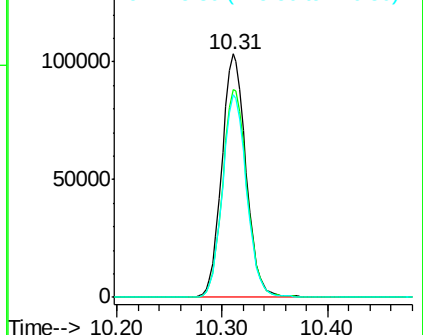
176 83.1 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024804.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU024804.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU024804.D (-2930) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

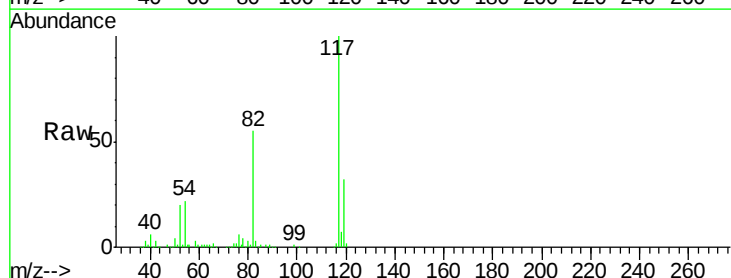
Tgt Ion: 117 Resp: 282621

Ion Ratio Lower Upper

117 100

82 54.8 44.3 66.5

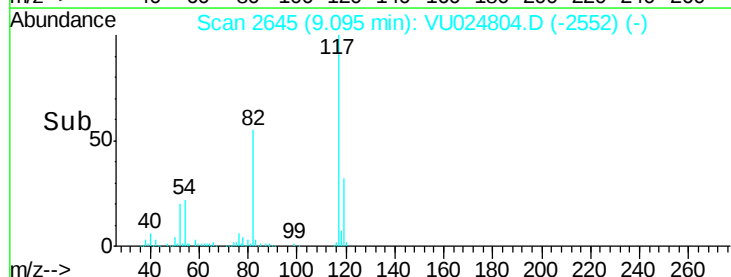
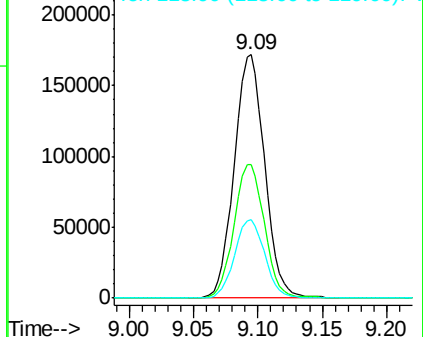
119 32.1 25.4 38.2

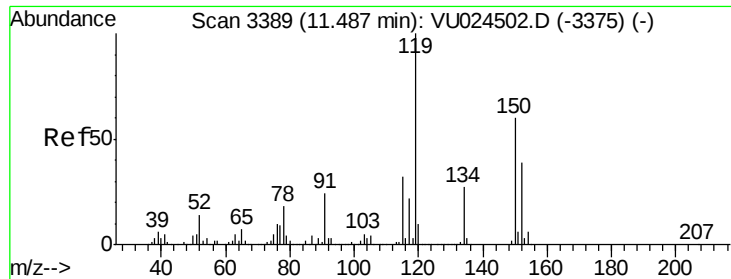


Abundance Ion 116.90 (116.60 to 117.60): VU024804.D (-2552) (-)

Ion 82.00 (81.70 to 82.70): VU024804.D (-2552) (-)

Ion 118.90 (118.60 to 119.60): VU024804.D (-2552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

Instrument :

MSVOA\_U

ClientSampleId :

TPTW-02DL

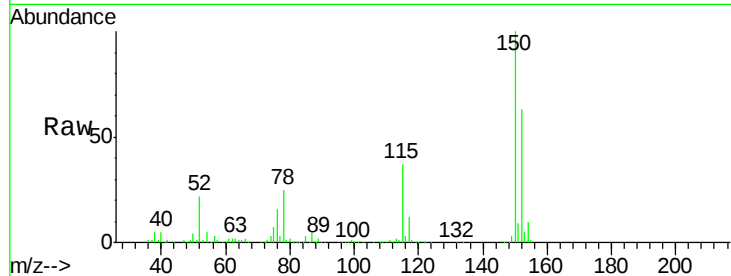
Tot Ion:152 Resp: 155407

Ion Ratio Lower Upper

152 100

115 58.6 43.0 129.0

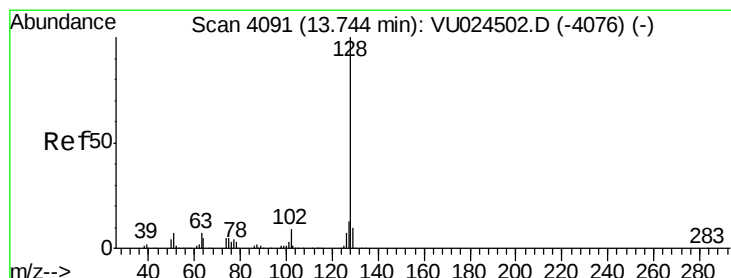
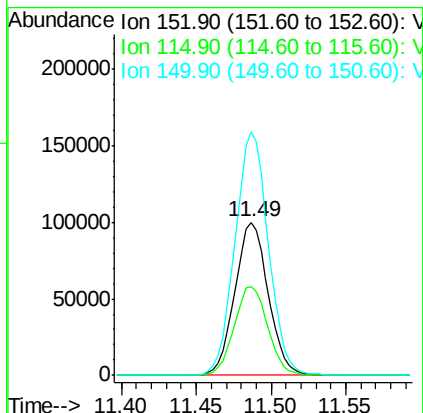
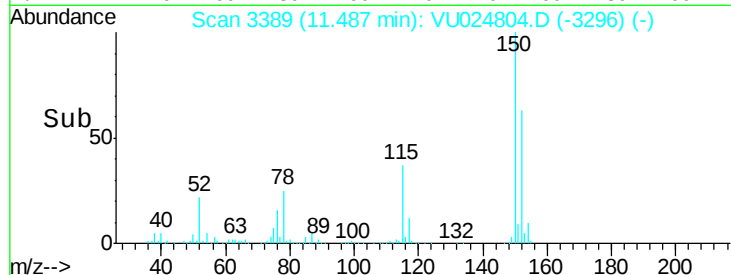
150 159.6 0.0 354.0



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



#95

Naphthalene

Concen: 18.47 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024804.D

Acq: 21 Jun 2018 12:27

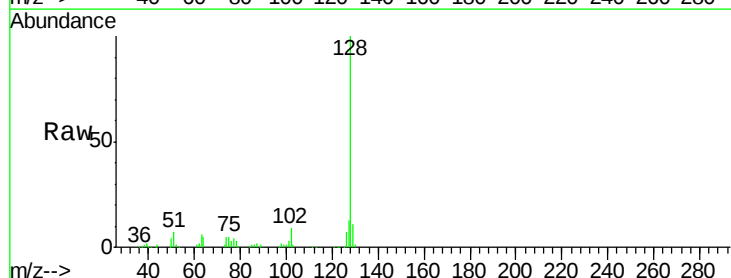
Tgt Ion:128 Resp: 206059

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

