

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101018\  
 Data File : VU027546.D  
 Acq On : 10 Oct 2018 01:02  
 Operator : MD/SY  
 Sample : J5302-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-2

Quant Time: Oct 10 07:32:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

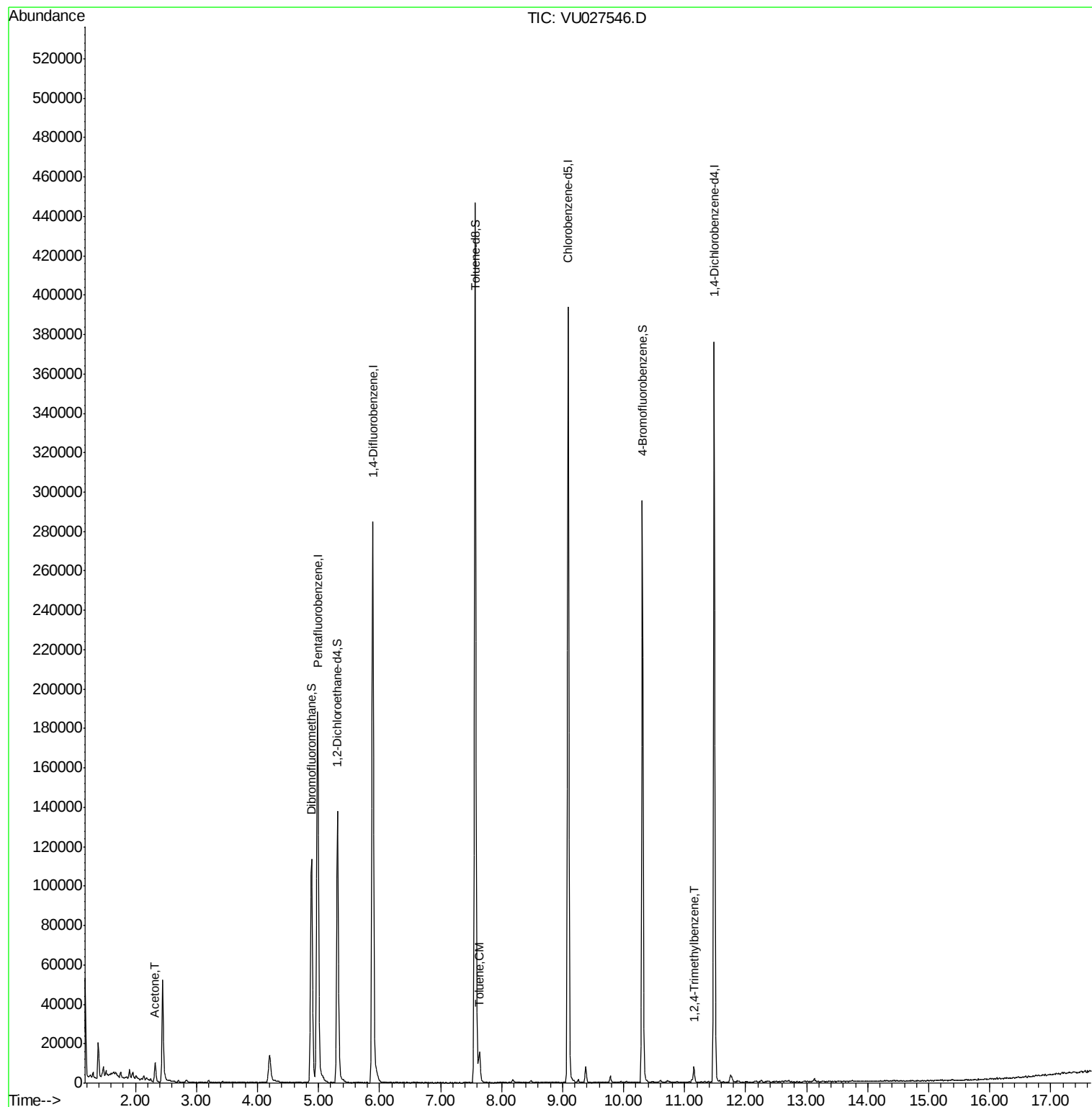
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 142459   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 239966   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 212709   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 92414    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 106844   | 44.91 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.82% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 78749    | 47.88 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.76% |          |
| 50) Toluene-d8              | 7.57  | 98   | 298011   | 48.42 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.84% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 100490   | 43.93 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.86% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 2.33  | 43   | 10708    | 7.620 | ug/l   | 99       |
| 52) Toluene                 | 7.64  | 92   | 6307     | 1.404 | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.15 | 105  | 4549     | 0.815 | ug/l   | 97       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU101018\  
Data File : VU027546.D  
Acq On : 10 Oct 2018 01:02  
Operator : MD/SY  
Sample : J5302-08  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-2

Quant Time: Oct 10 07:32:14 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:04:34 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

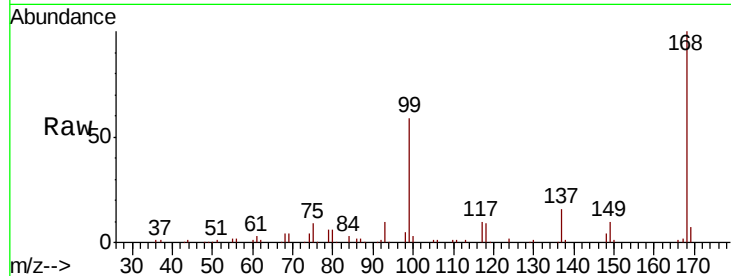
Instrument :  
MSVOA\_U  
ClientSampled :  
TW-2

Tot Ion:168 Resp: 142459

Ion Ratio Lower Upper

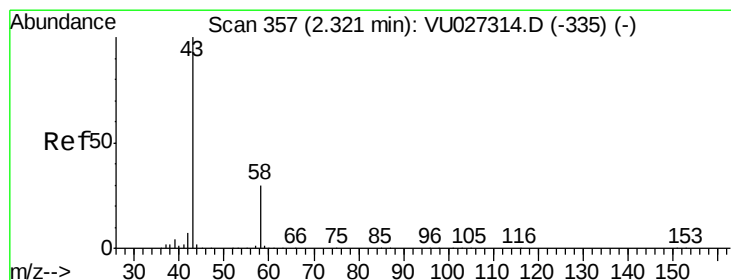
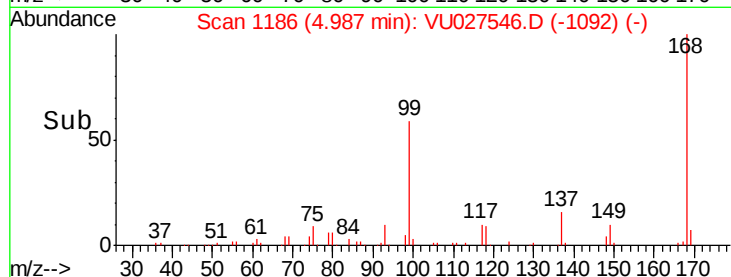
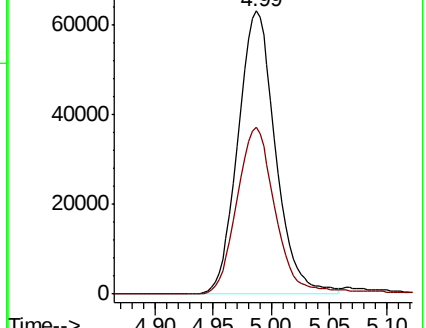
168 100

99 58.8 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#16

Acetone

Concen: 7.620 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU027546.D

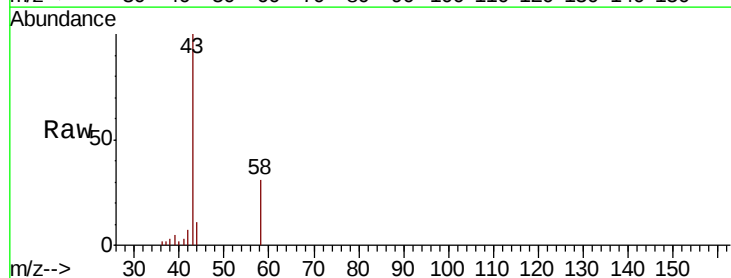
Acq: 10 Oct 2018 01:02

Tgt Ion: 43 Resp: 10708

Ion Ratio Lower Upper

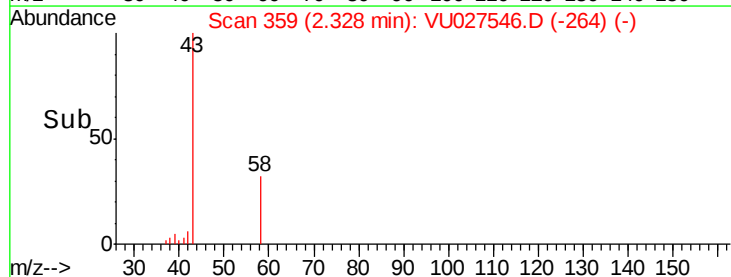
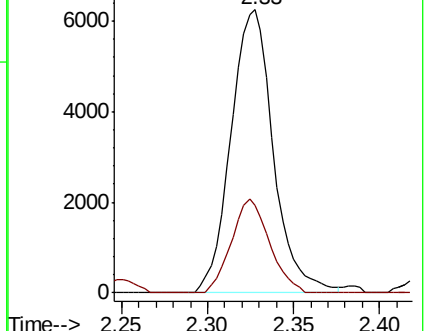
43 100

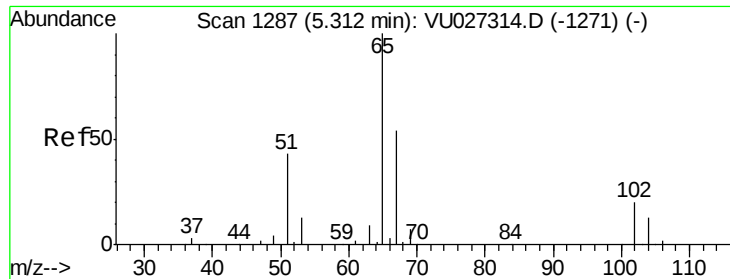
58 31.1 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-335) (-)





#33

1,2-Dichloroethane-d4

Concen: 44.915 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA\_U

ClientSampled :

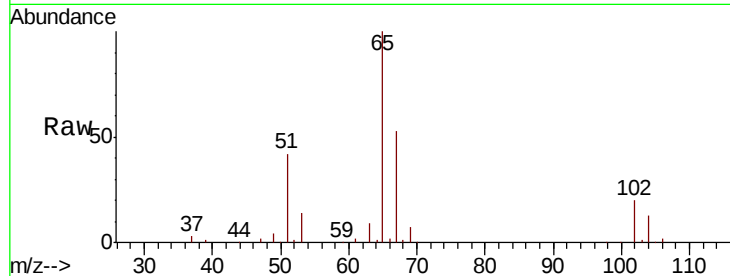
TW-2

Tot Ion: 65 Resp: 106844

Ion Ratio Lower Upper

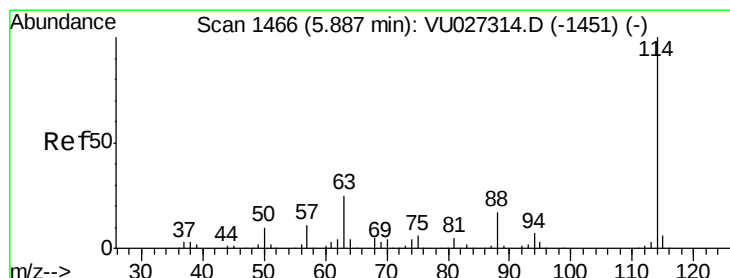
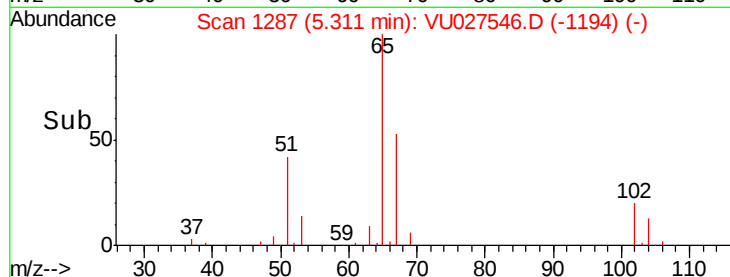
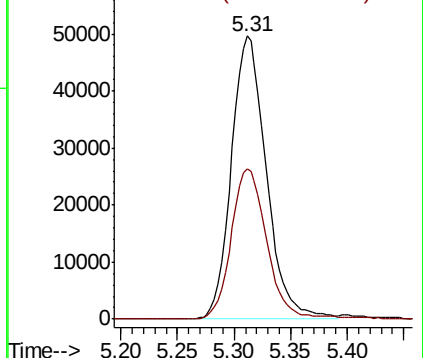
65 100

67 53.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

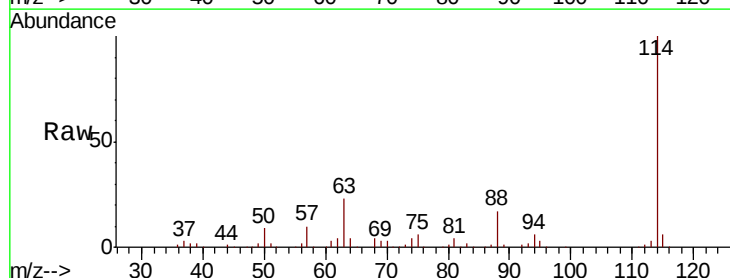
Tgt Ion: 114 Resp: 239966

Ion Ratio Lower Upper

114 100

63 23.3 0.0 50.2

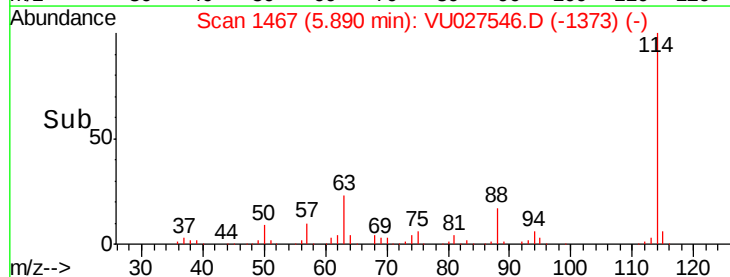
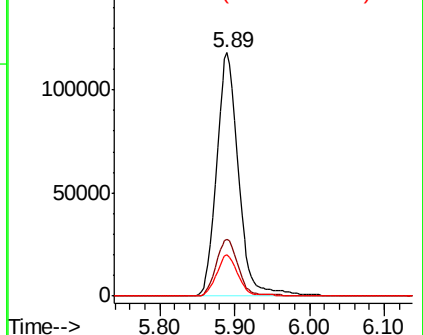
88 16.8 0.0 33.8

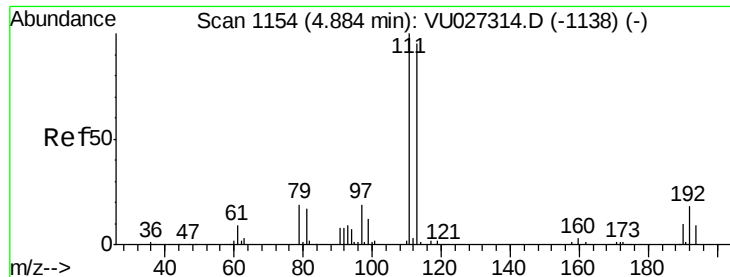


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

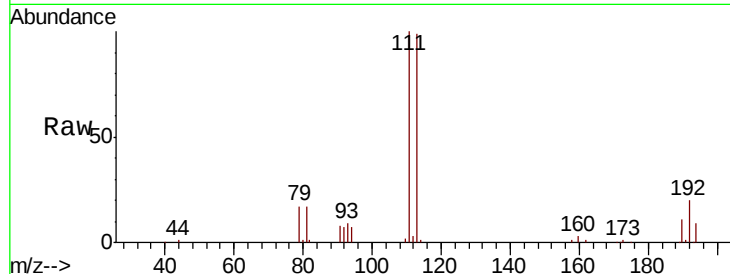




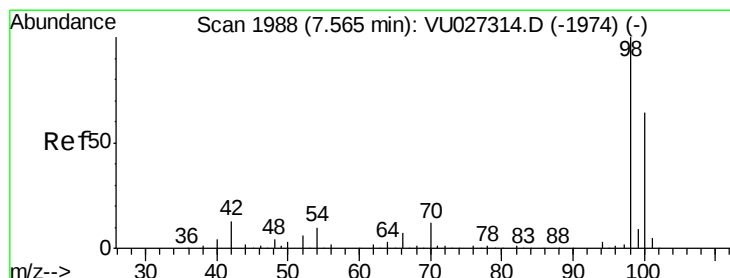
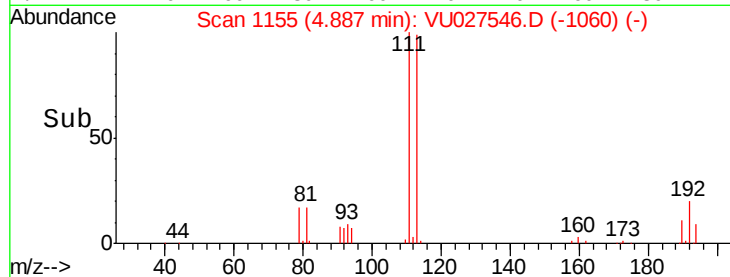
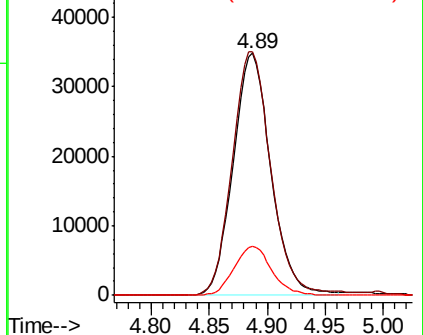
#35  
 Dibromofluoromethane  
 Concen: 47.885 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU027546.D  
 Acq: 10 Oct 2018 01:02

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TW-2

Tot Ion:113 Resp: 78749  
 Ion Ratio Lower Upper  
 113 100  
 111 103.4 83.1 124.7  
 192 20.2 15.4 23.0

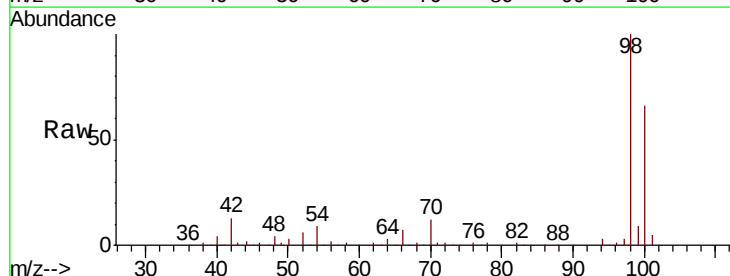


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

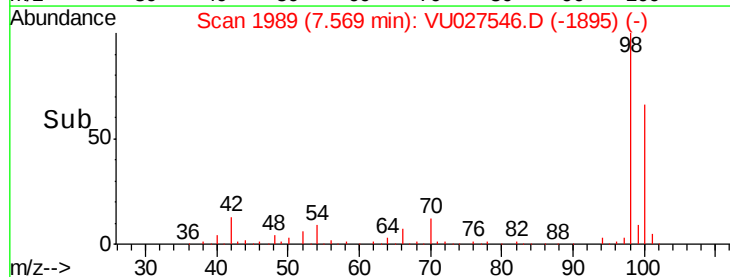
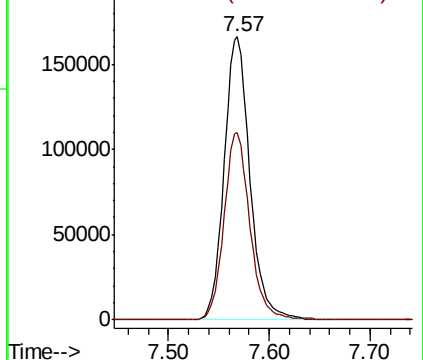


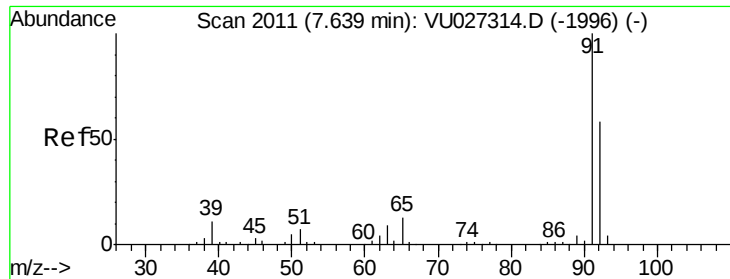
#50  
 Toluene-d8  
 Concen: 48.417 ug/l  
 RT: 7.57 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VU027546.D  
 Acq: 10 Oct 2018 01:02

Tgt Ion: 98 Resp: 298011  
 Ion Ratio Lower Upper  
 98 100  
 100 66.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0  
 Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 1.404 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA\_U

ClientSampleId :

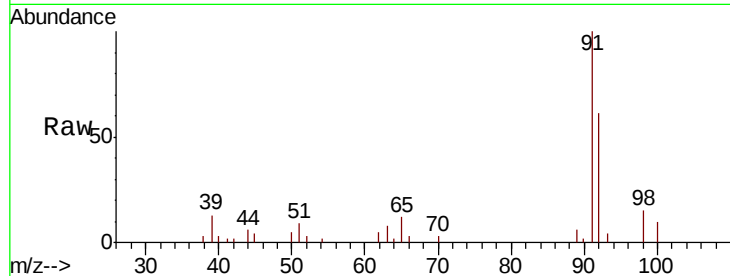
TW-2

Tot Ion: 92 Resp: 6307

Ion Ratio Lower Upper

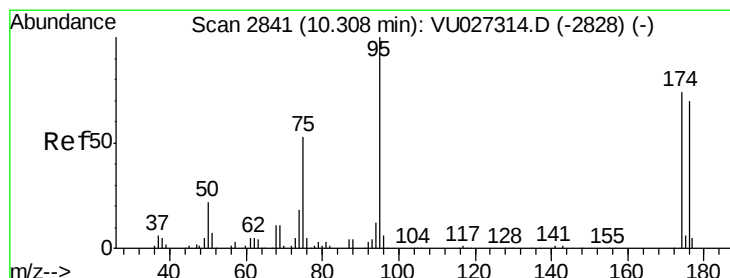
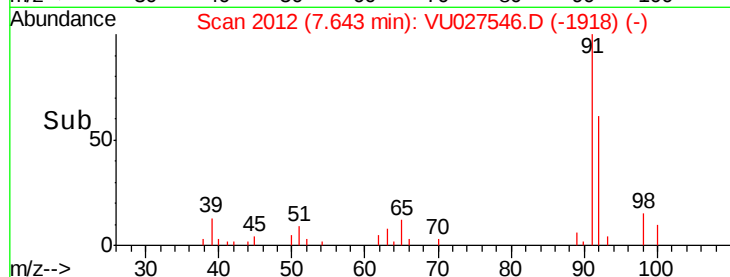
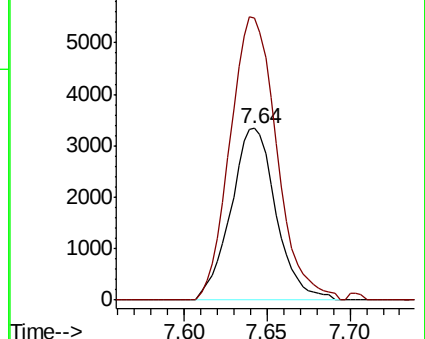
92 100

91 170.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027314.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027314.D (-1996) (-)



#62

4-Bromofluorobenzene

Concen: 43.931 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

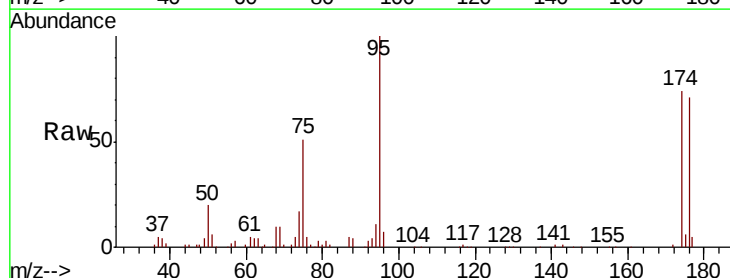
Tgt Ion: 95 Resp: 100490

Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.8

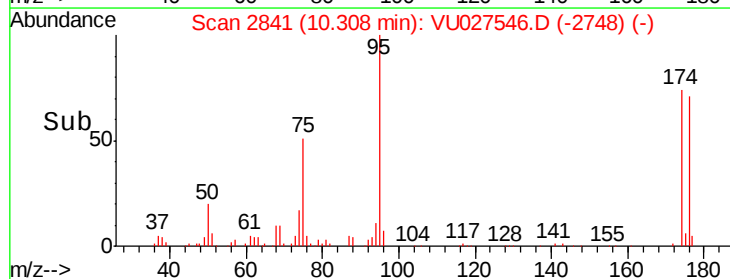
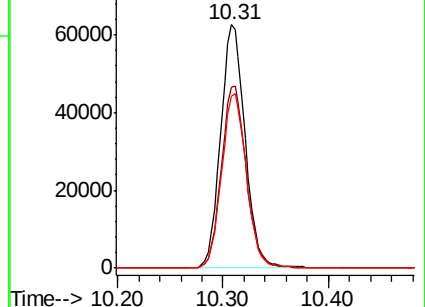
176 72.4 0.0 140.8

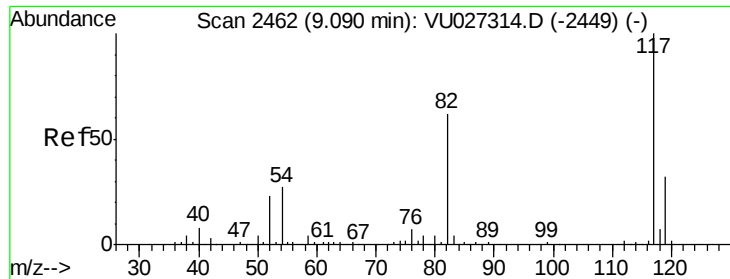


Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

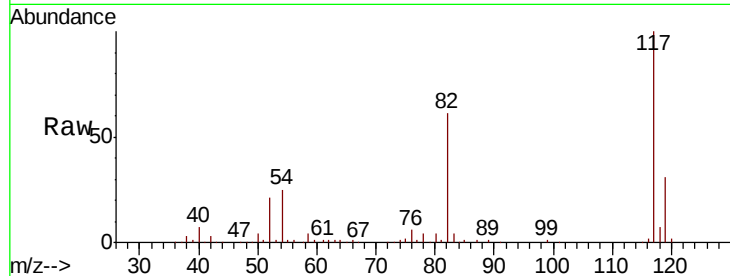




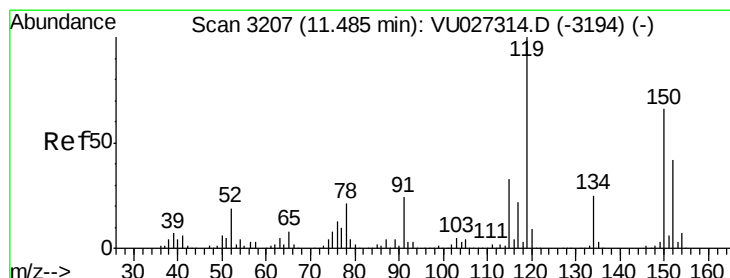
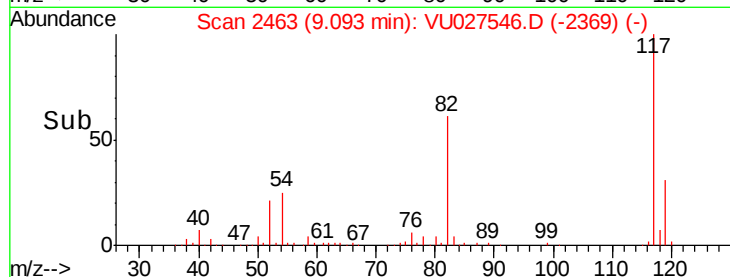
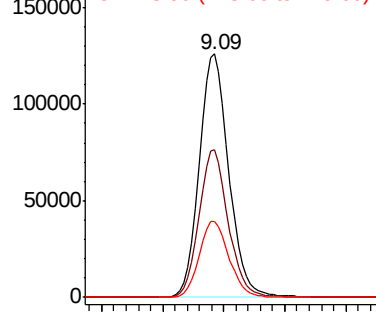
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. 0.00 min  
Lab File: VU027546.D  
Acq: 10 Oct 2018 01:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
TW-2

Tot Ion:117 Resp: 212709  
Ion Ratio Lower Upper  
117 100  
82 60.6 49.2 73.8  
119 31.4 25.7 38.5

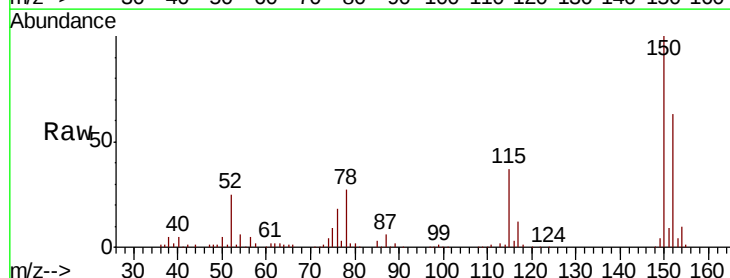


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V

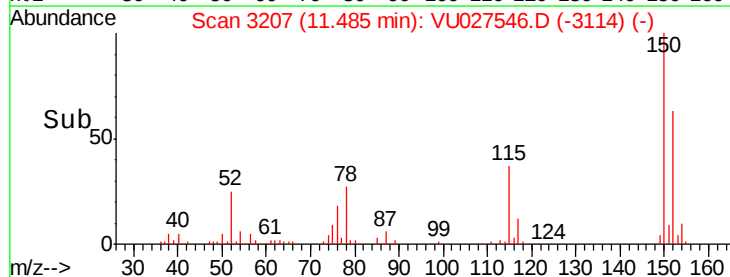
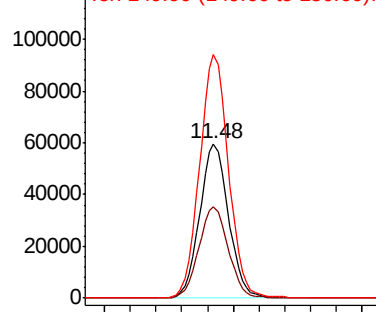


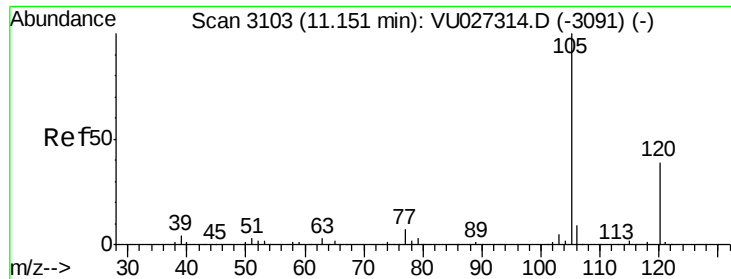
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU027546.D  
Acq: 10 Oct 2018 01:02

Tgt Ion:152 Resp: 92414  
Ion Ratio Lower Upper  
152 100  
115 60.3 43.4 130.2  
150 158.2 0.0 349.2



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





#84

1,2,4-Trimethylbenzene

Concen: 0.815 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. -0.00 min

Lab File: VU027546.D

Acq: 10 Oct 2018 01:02

Instrument :

MSVOA\_U

ClientSampleId :

TW-2

Tot Ion:105 Resp: 4549

Ion Ratio Lower Upper

105 100

120 46.0 22.1 66.5

