

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\  
 Data File : VU027025.D  
 Acq On : 22 Sep 2018 18:54  
 Operator : MD/SY  
 Sample : J4958-15  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPSI-TT-MW309S-20180915

Quant Time: Sep 24 05:12:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

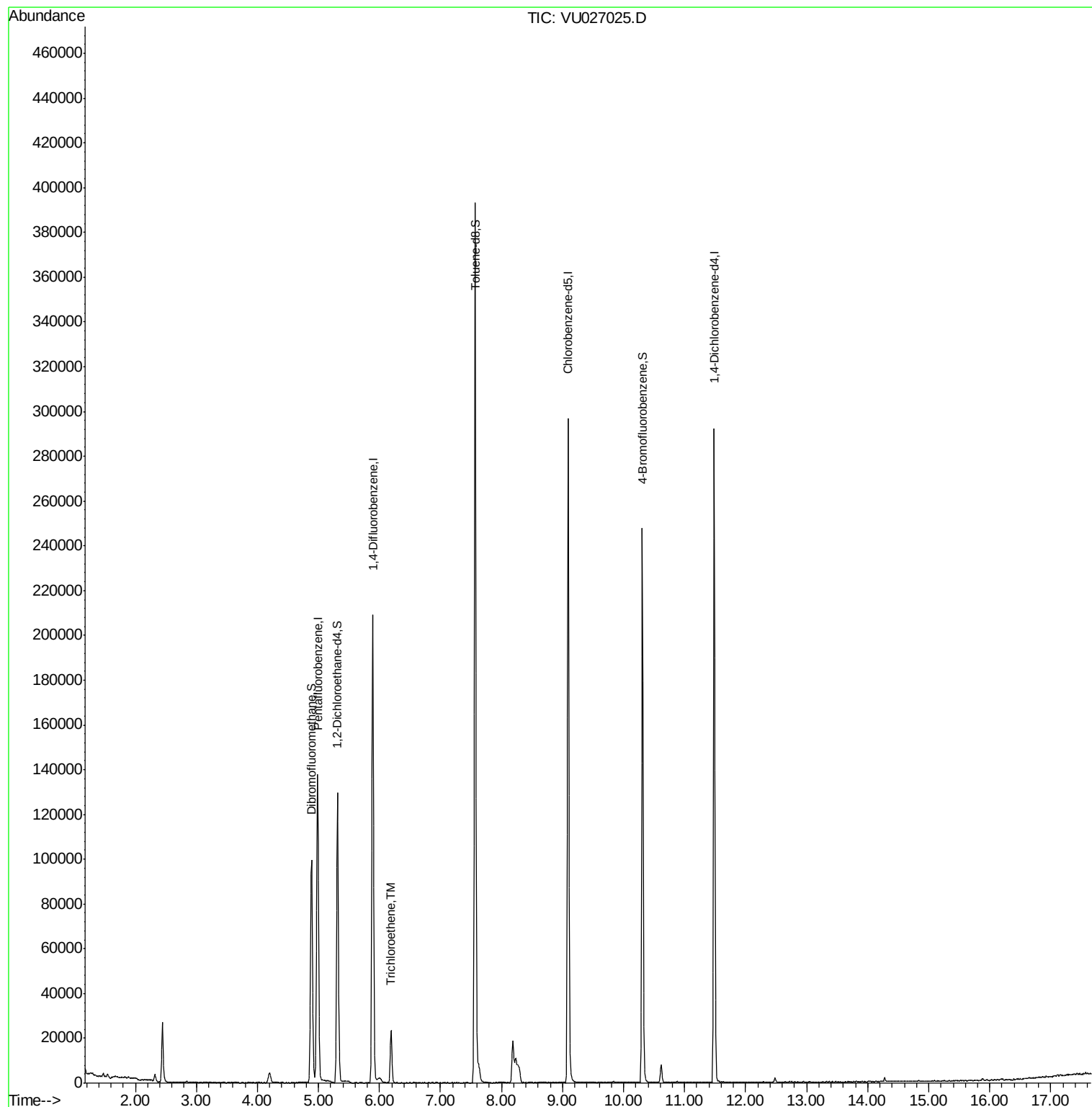
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 96783    | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 161387   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 153155   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 70871    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 98779    | 50.71 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.42% |           |
| 35) Dibromofluoromethane    | 4.89  | 113  | 68478    | 48.95 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.90%  |           |
| 50) Toluene-d8              | 7.57  | 98   | 250157   | 46.92 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.84%  |           |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 81745    | 44.69 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.38%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 44) Trichloroethene         | 6.19  | 130  | 8002     | 5.740 | ug/l    | Qvalue 93 |

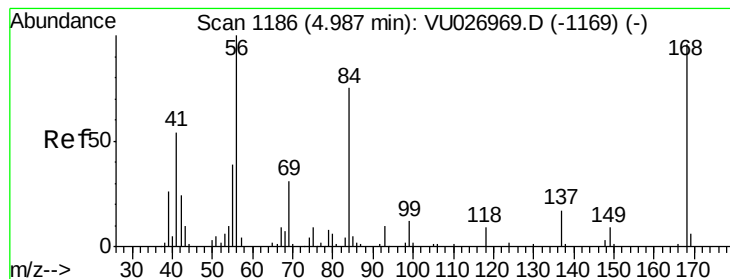
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPSI-TT-MW309S-20180915

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Quant Title : SW846 8260  
QLast Update : Sat Sep 22 01:31:57 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: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA\_U

ClientSampleId :

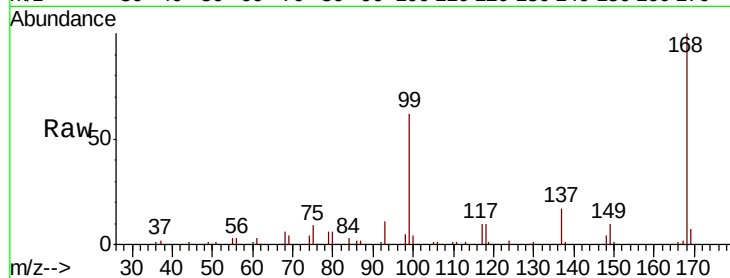
BPSI-TT-MW309S-20180915

Tot Ion:168 Resp: 96783

Ion Ratio Lower Upper

168 100

99 61.4 48.1 72.1

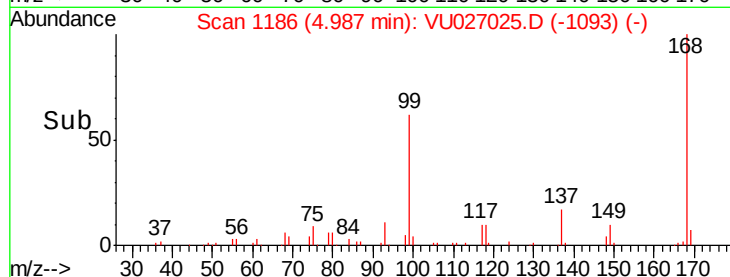


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027025.D (-1093) (-)

4.99

Time-->



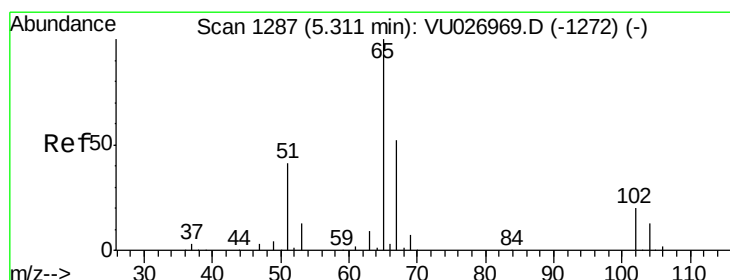
Abundance

Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027025.D (-1093) (-)

4.99

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.710 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027025.D

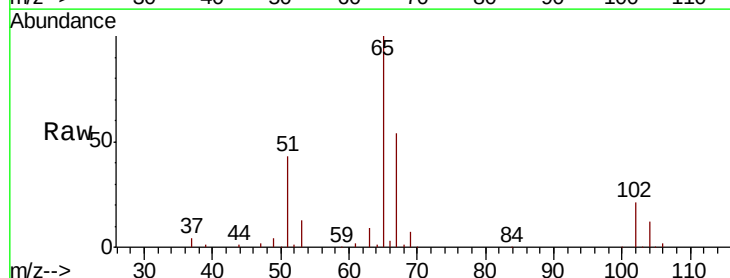
Acq: 22 Sep 2018 18:54

Tgt Ion: 65 Resp: 98779

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.6

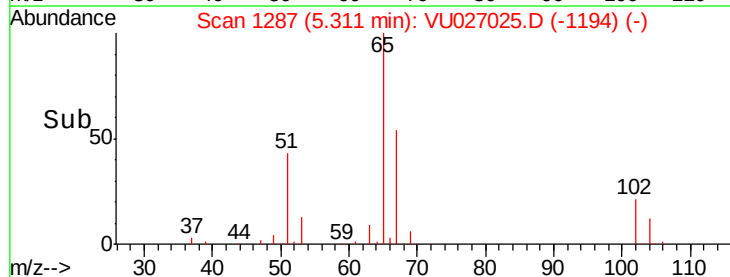


Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU027025.D (-1194) (-)

5.31

Time-->



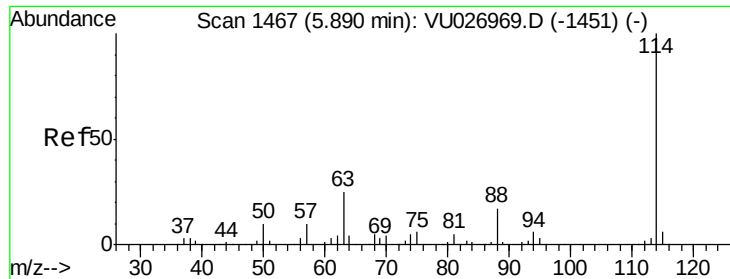
Abundance

Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU027025.D (-1194) (-)

5.31

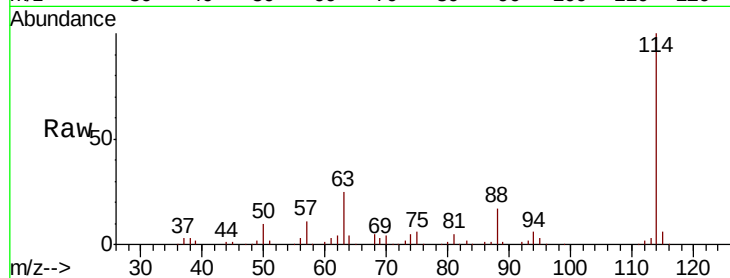
Time-->



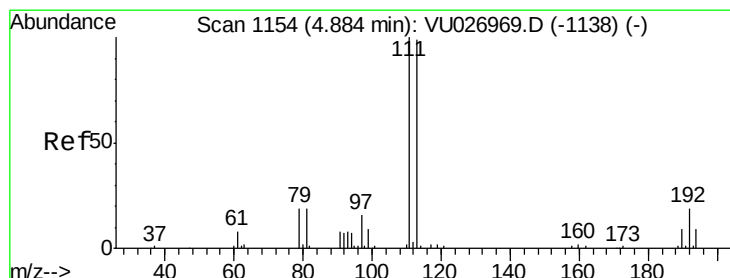
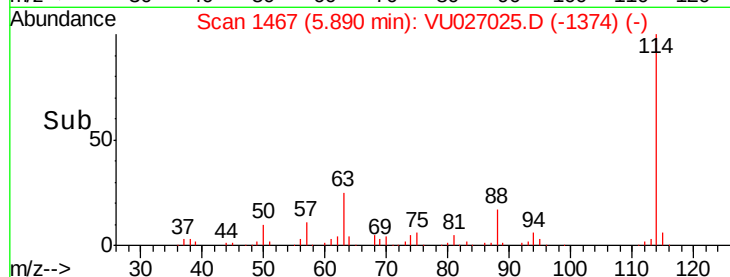
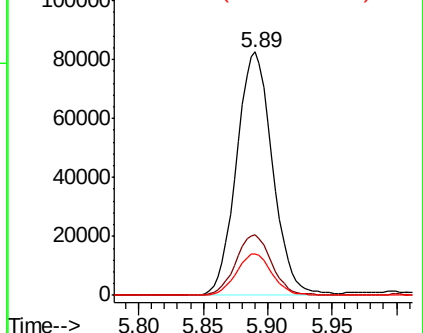
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027025.D  
 Acq: 22 Sep 2018 18:54

Instrument :  
 MSVOA\_U  
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 BPSI-TT-MW309S-20180915

Tot Ion:114 Resp: 161387  
 Ion Ratio Lower Upper  
 114 100  
 63 24.7 0.0 49.2  
 88 17.2 0.0 33.8

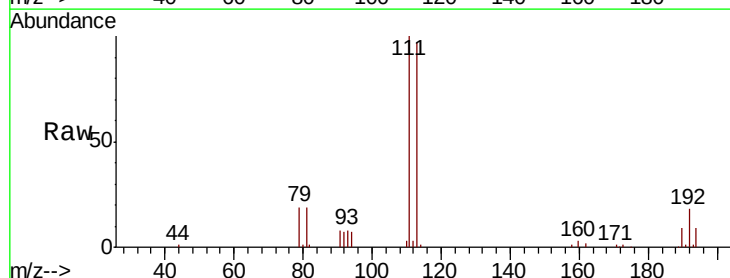


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

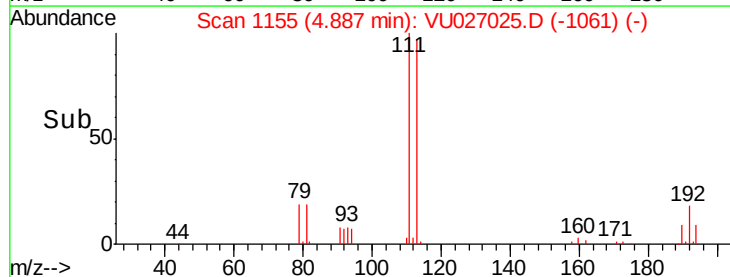
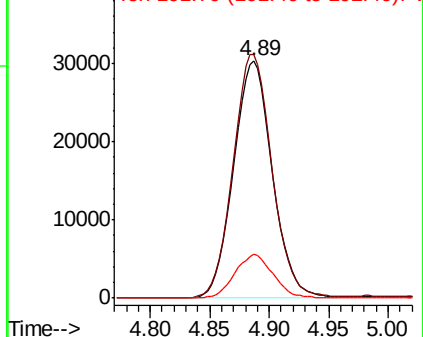


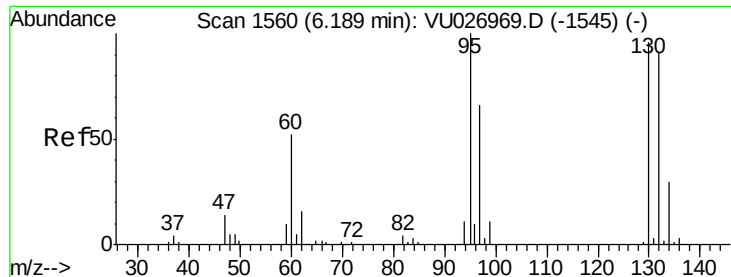
#35  
 Dibromofluoromethane  
 Concen: 48.951 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU027025.D  
 Acq: 22 Sep 2018 18:54

Tgt Ion:113 Resp: 68478  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 82.2 123.4  
 192 18.1 15.2 22.8



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

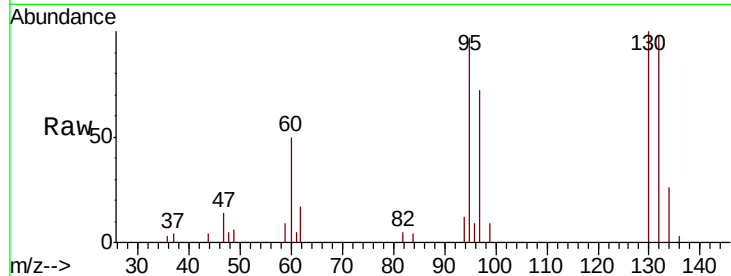




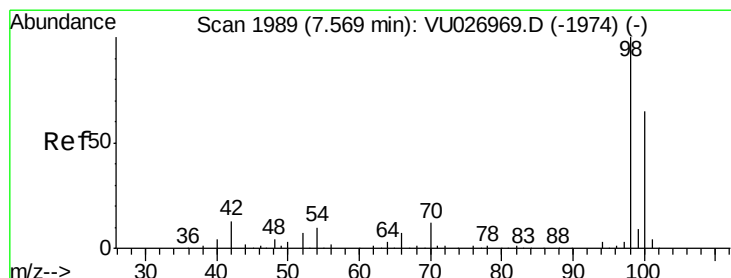
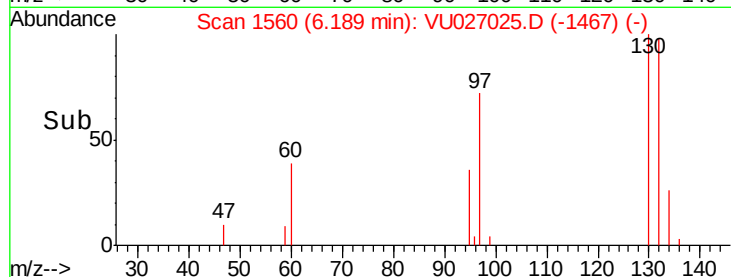
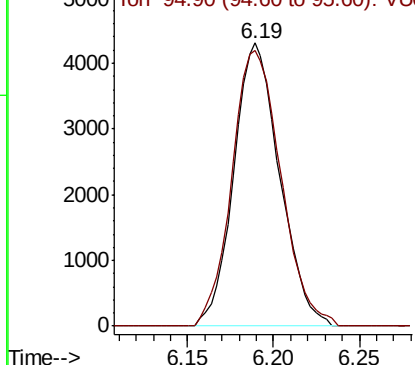
#44  
 Trichloroethene  
 Concen: 5.740 ug/l  
 RT: 6.19 min Scan# 1560  
 Delta R.T. 0.00 min  
 Lab File: VU027025.D  
 Acq: 22 Sep 2018 18:54

Instrument :  
 MSVOA\_U  
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 BPSI-TT-MW309S-20180915

Tot Ion:130 Resp: 8002  
 Ion Ratio Lower Upper  
 130 100  
 95 97.2 0.0 208.8

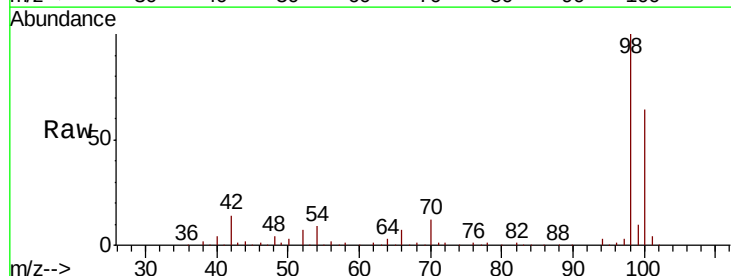


Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)  
 Ion 94.90 (94.60 to 95.60): VU026969.D (-1545) (-)

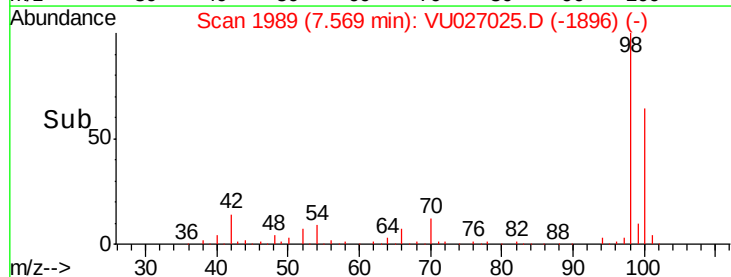
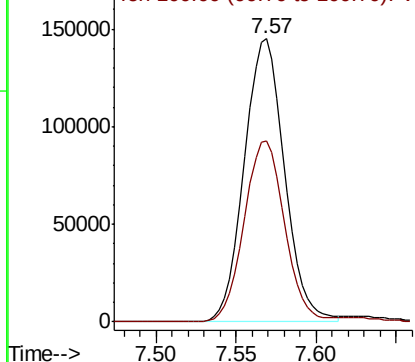


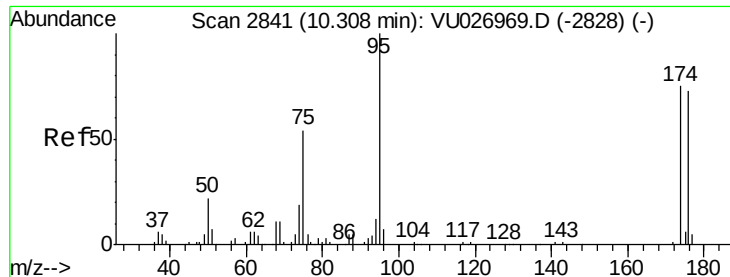
#50  
 Toluene-d8  
 Concen: 46.922 ug/l  
 RT: 7.57 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VU027025.D  
 Acq: 22 Sep 2018 18:54

Tgt Ion: 98 Resp: 250157  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)  
 Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)





#62

4-Bromofluorobenzene

Concen: 44.686 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

Instrument :

MSVOA\_U

ClientSampleId :

BPSI-TT-MW309S-20180915

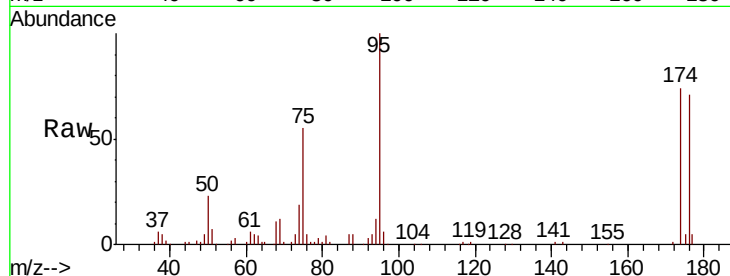
Tot Ion: 95 Resp: 81745

Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.2

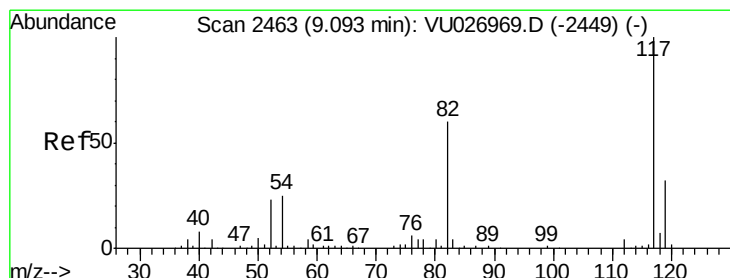
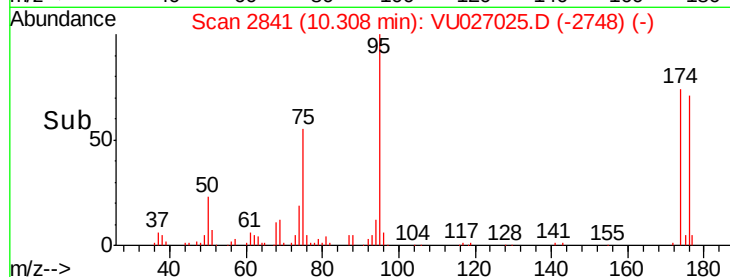
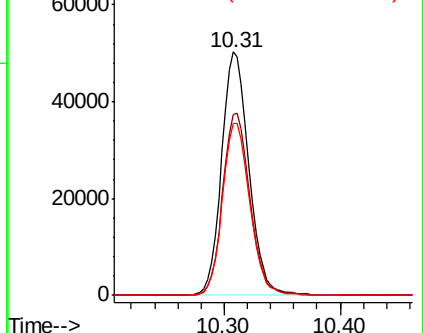
176 71.3 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027025.D

Acq: 22 Sep 2018 18:54

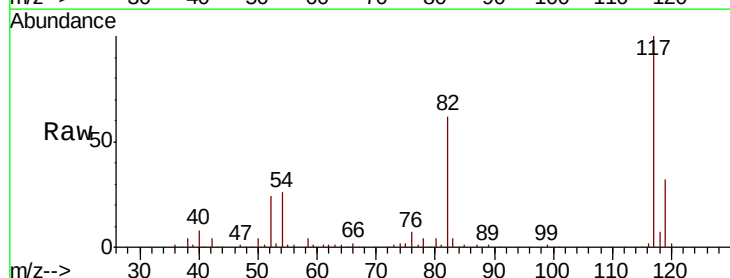
Tgt Ion: 117 Resp: 153155

Ion Ratio Lower Upper

117 100

82 61.8 48.0 72.0

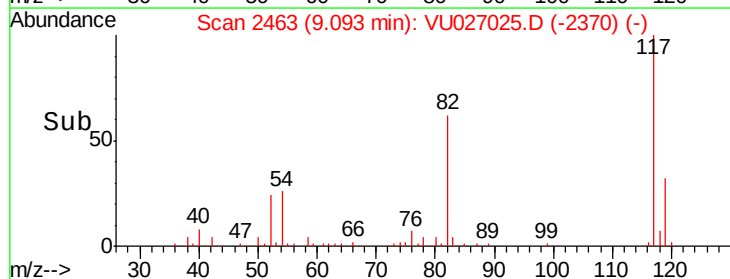
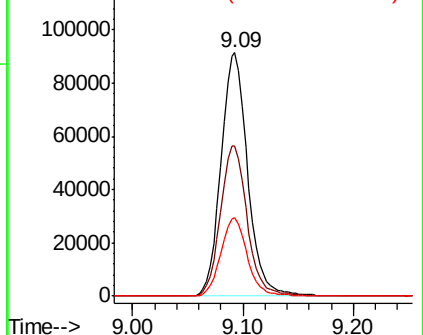
119 32.1 25.8 38.8

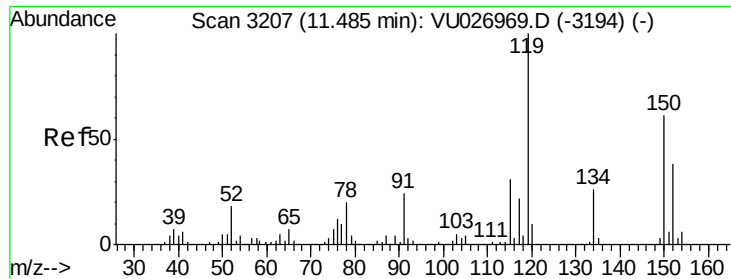


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.48 min Scan# 3207  
 Delta R.T. 0.00 min  
 Lab File: VU027025.D  
 Acq: 22 Sep 2018 18:54

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BPSI-TT-MW309S-20180915

Tot Ion:152 Resp: 70871  
 Ion Ratio Lower Upper  
 152 100  
 115 61.1 44.9 134.5  
 150 156.0 0.0 355.8

