

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100118\  
 Data File : VU027330.D  
 Acq On : 01 Oct 2018 19:56  
 Operator : MD/SY  
 Sample : J5149-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WS-3

Quant Time: Oct 02 08:07:11 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

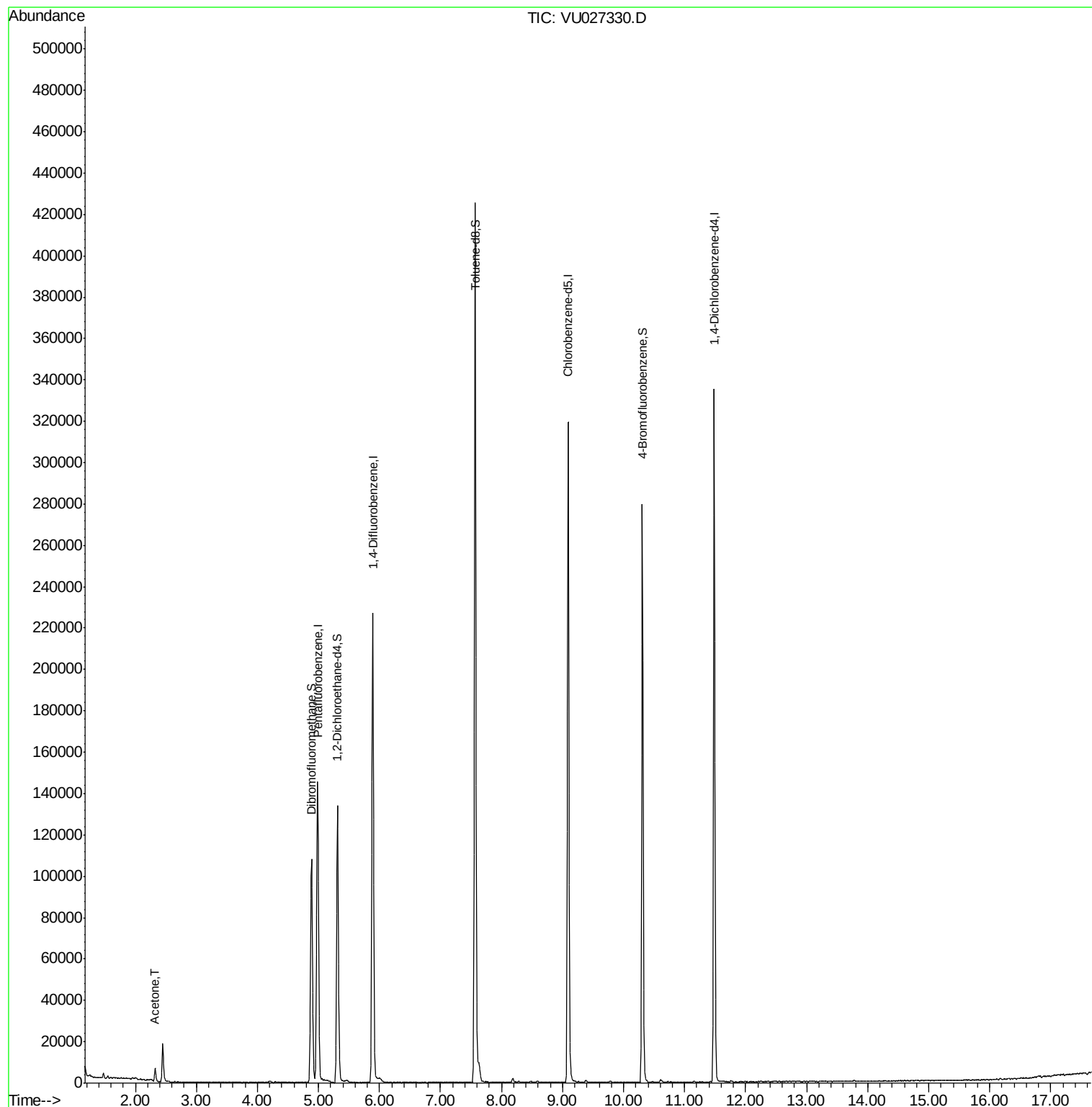
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 102933   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 175150   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 167532   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 80265    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 103089   | 59.98 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 119.96% |           |
| 35) Dibromofluoromethane    | 4.89  | 113  | 73220    | 61.00 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 122.00% |           |
| 50) Toluene-d8              | 7.57  | 98   | 277665   | 61.81 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 123.62% |           |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 92571    | 55.44 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.88% |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.33  | 43   | 6827     | 6.723 | ug/l    | Qvalue 96 |

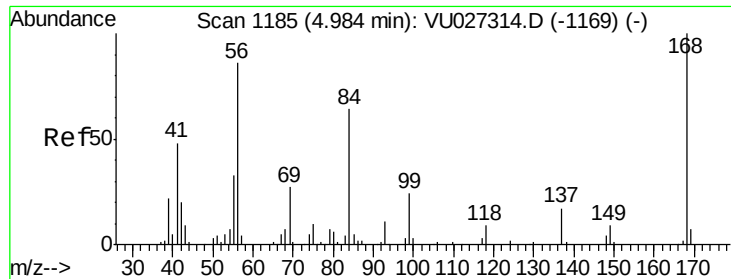
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027330.D

Acq: 01 Oct 2018 19:56

Instrument :

MSVOA\_U

ClientSampleId :

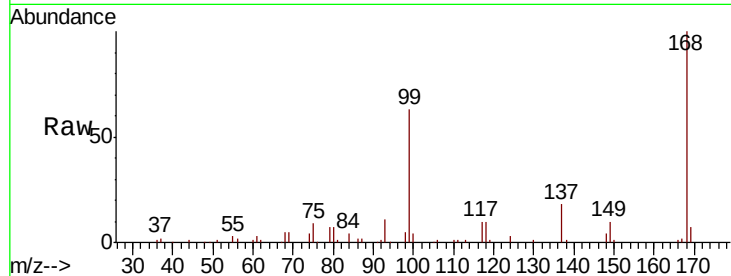
WS-3

Tot Ion:168 Resp: 102933

Ion Ratio Lower Upper

168 100

99 63.0 50.8 76.2



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

Ion 98.90 (98.60 to 99.60): VU027330.D (-1092) (-)

4.99

50000

40000

30000

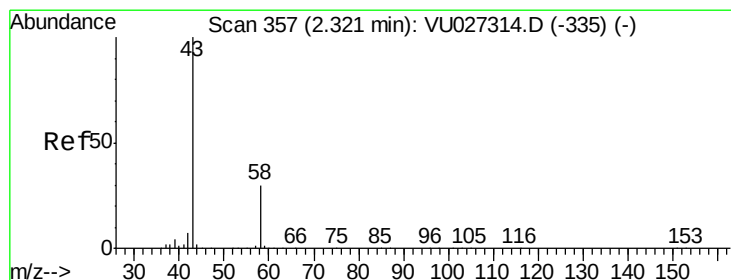
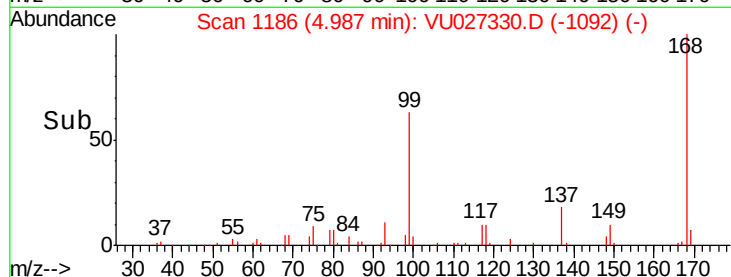
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#16

Acetone

Concen: 6.723 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU027330.D

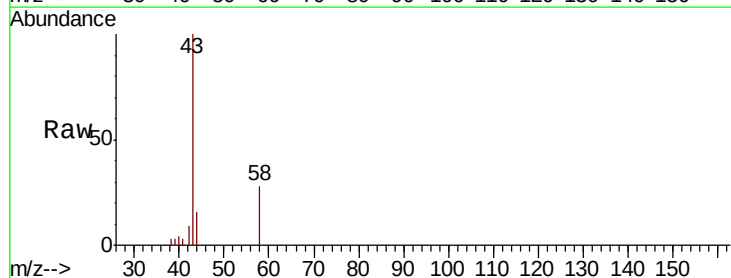
Acq: 01 Oct 2018 19:56

Tgt Ion: 43 Resp: 6827

Ion Ratio Lower Upper

43 100

58 28.1 24.2 36.4



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

Ion 58.00 (57.70 to 58.70): VU027330.D (-264) (-)

2.33

5000

4000

3000

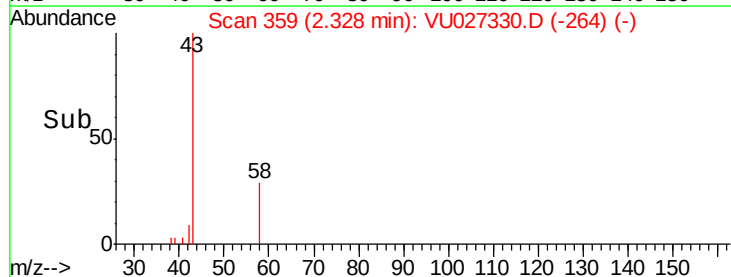
2000

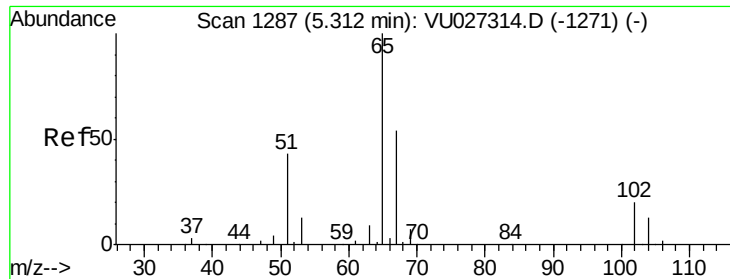
1000

0

Time-->

2.25 2.30 2.35 2.40

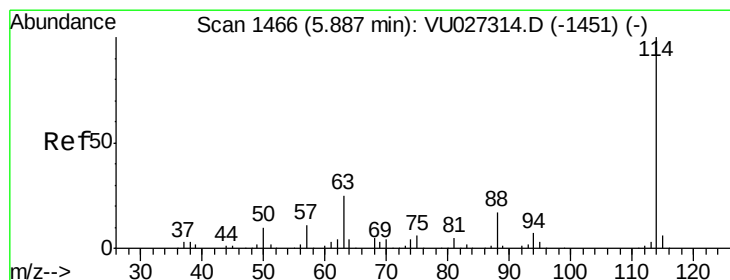
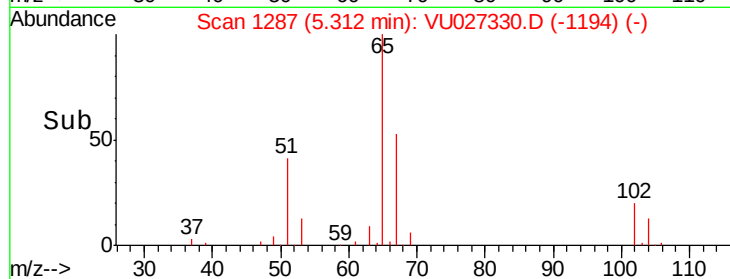
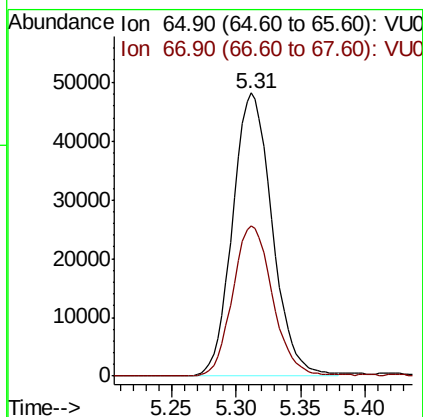
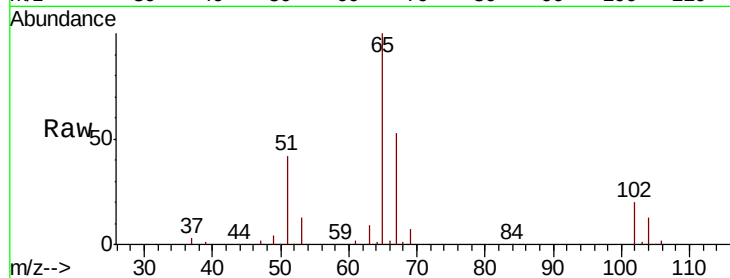




#33  
 1,2-Dichloroethane-d4  
 Concen: 59.977 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. 0.00 min  
 Lab File: VU027330.D  
 Acq: 01 Oct 2018 19:56

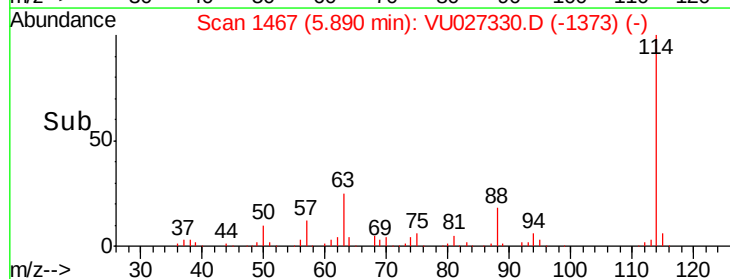
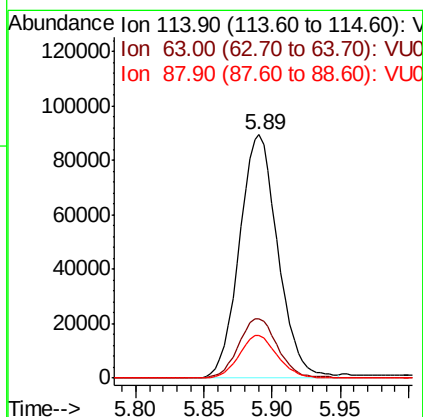
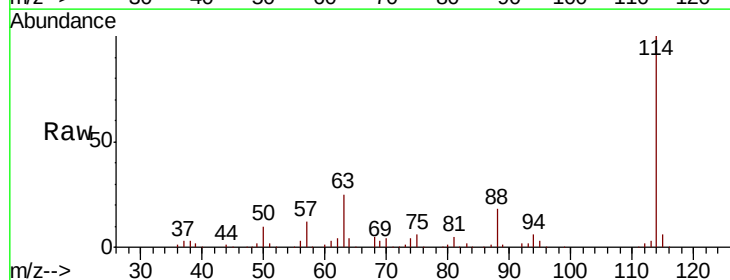
Instrument :  
 MSVOA\_U  
 ClientSampled :  
 WS-3

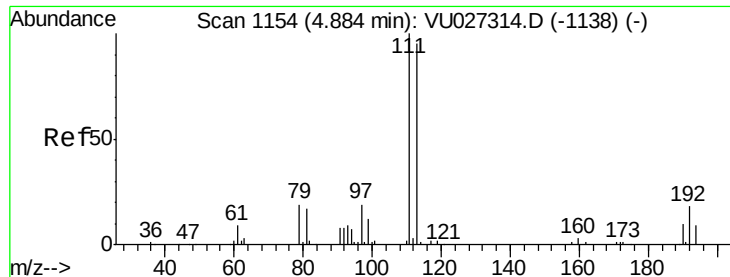
Tot Ion: 65 Resp: 103089  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1467  
 Delta R.T. 0.00 min  
 Lab File: VU027330.D  
 Acq: 01 Oct 2018 19:56

Tgt Ion: 114 Resp: 175150  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 0.0 50.2  
 88 17.5 0.0 33.8

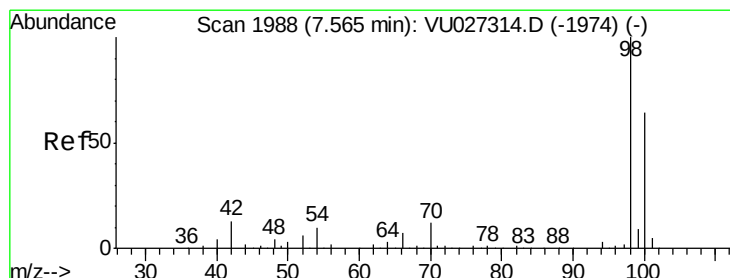
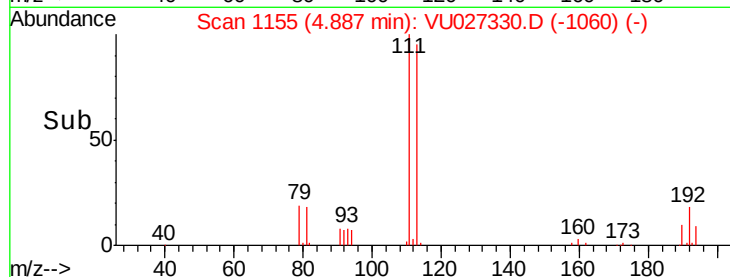
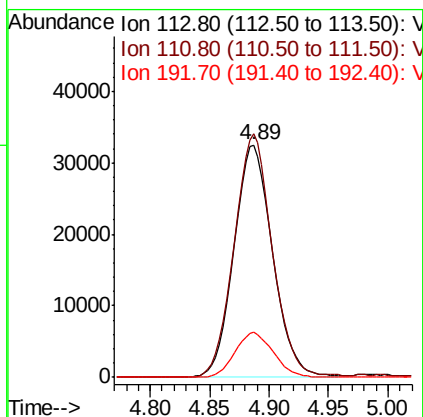
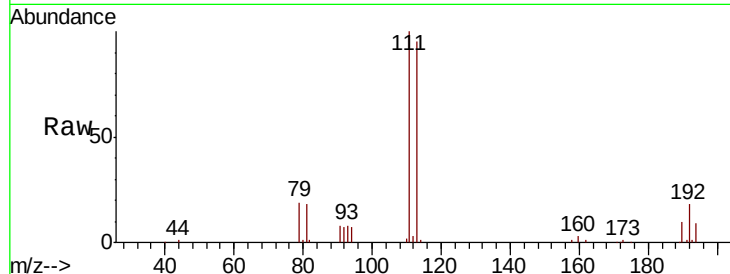




#35  
 Dibromofluoromethane  
 Concen: 60.999 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU027330.D  
 Acq: 01 Oct 2018 19:56

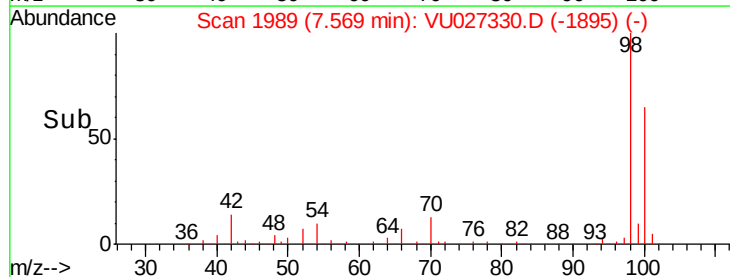
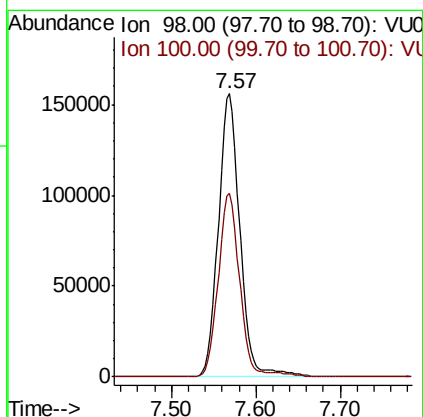
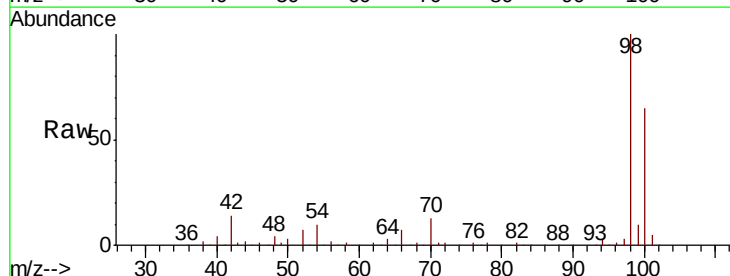
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WS-3

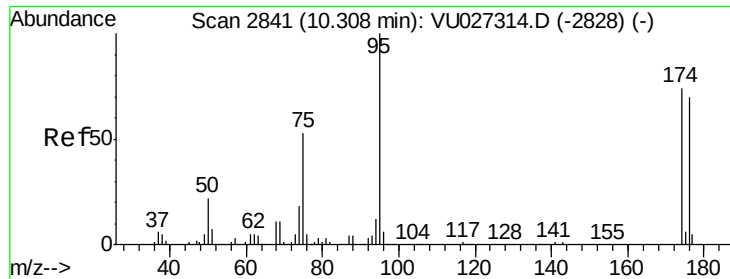
Tot Ion:113 Resp: 73220  
 Ion Ratio Lower Upper  
 113 100  
 111 103.8 83.1 124.7  
 192 19.0 15.4 23.0



#50  
 Toluene-d8  
 Concen: 61.806 ug/l  
 RT: 7.57 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VU027330.D  
 Acq: 01 Oct 2018 19:56

Tgt Ion: 98 Resp: 277665  
 Ion Ratio Lower Upper  
 98 100  
 100 64.9 52.1 78.1

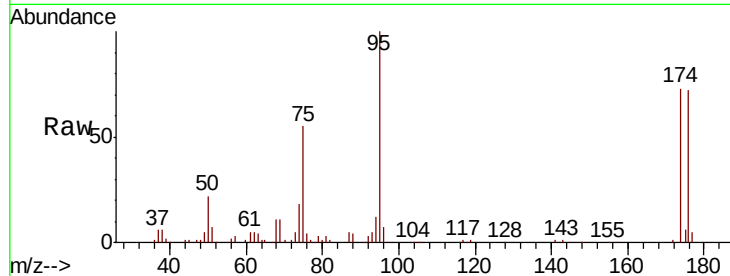




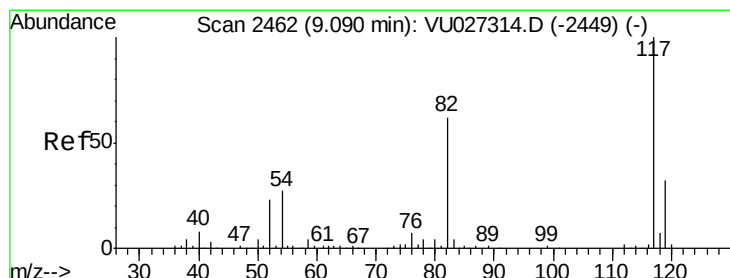
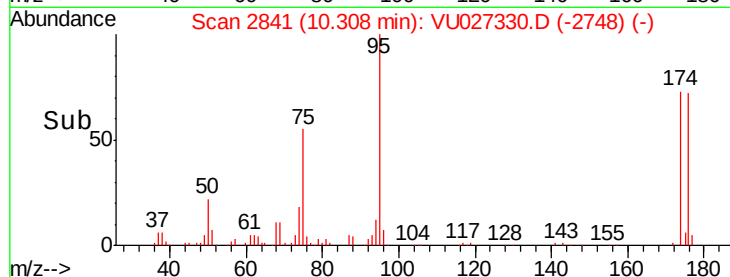
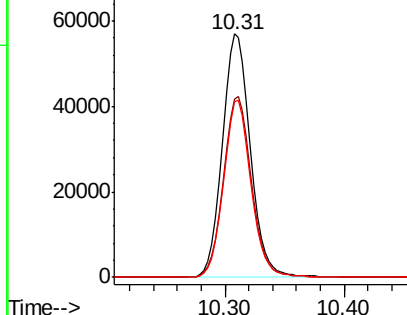
#62  
4-Bromofluorobenzene  
Concen: 55.445 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. 0.00 min  
Lab File: VU027330.D  
Acq: 01 Oct 2018 19:56

Instrument :  
MSVOA\_U  
ClientSampleId :  
WS-3

Tot Ion: 95 Resp: 92571  
Ion Ratio Lower Upper  
95 100  
174 75.0 0.0 147.8  
176 71.6 0.0 140.8

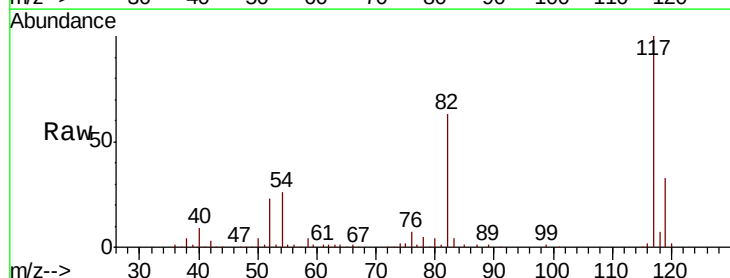


Abundance Ion 94.90 (94.60 to 95.60): VU027330.D (-2748) (-)  
Ion 173.80 (173.50 to 174.50): VU027330.D (-2748) (-)  
Ion 175.80 (175.50 to 176.50): VU027330.D (-2748) (-)

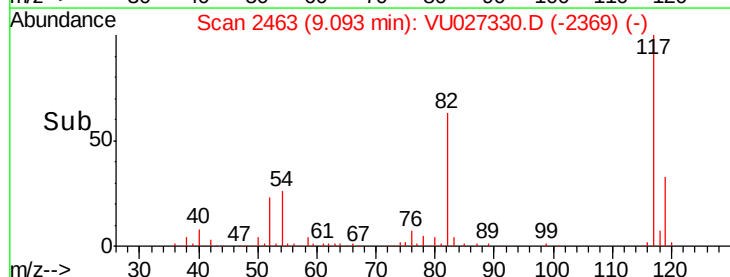
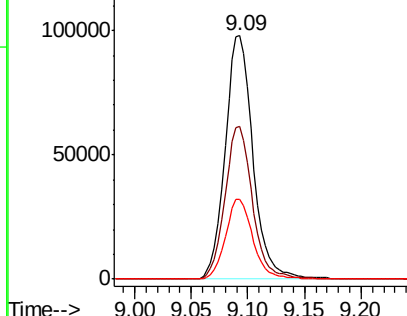


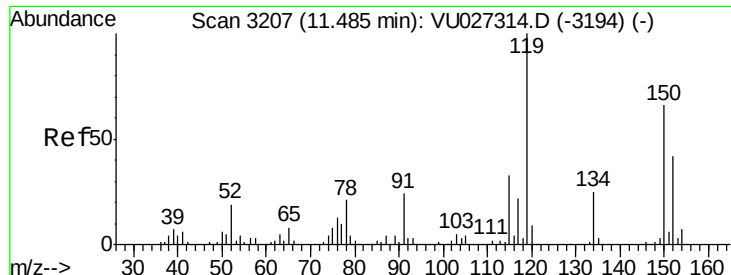
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. 0.00 min  
Lab File: VU027330.D  
Acq: 01 Oct 2018 19:56

Tgt Ion: 117 Resp: 167532  
Ion Ratio Lower Upper  
117 100  
82 62.6 49.2 73.8  
119 32.8 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027330.D (-2369) (-)  
Ion 82.00 (81.70 to 82.70): VU027330.D (-2369) (-)  
Ion 118.90 (118.60 to 119.60): VU027330.D (-2369) (-)





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 11.48 min Scan# 3207  
 Delta R.T. 0.00 min  
 Lab File: VU027330.D  
 Acq: 01 Oct 2018 19:56

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WS-3

Tot Ion:152 Resp: 80265  
 Ion Ratio Lower Upper  
 152 100  
 115 60.3 43.4 130.2  
 150 156.5 0.0 349.2

