

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU011019\  
 Data File : VU029120.D  
 Acq On : 10 Jan 2019 15:53  
 Operator : MD/SY  
 Sample : K1122-12  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TWP-3

Quant Time: Jan 11 03:50:58 2019  
 Quant Method : Z:\HPCHEM1\MSVOA\_U\METHOD\82U010319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 04 02:22:53 2019  
 Response via : Initial Calibration

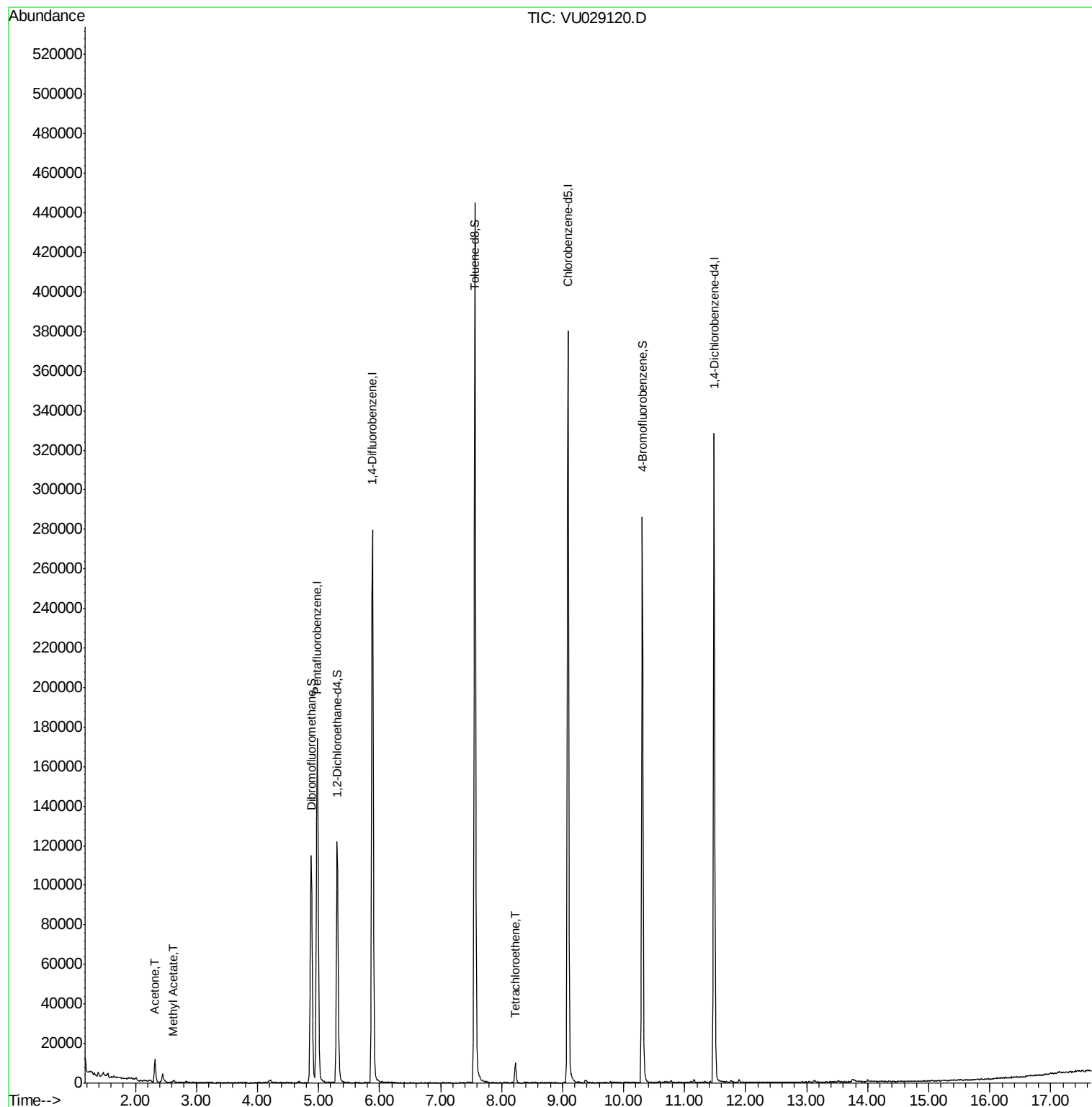
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 146574   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.88  | 114  | 251486   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 227384   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 90084    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 93411    | 51.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.10% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 81880    | 50.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.46% |          |
| 50) Toluene-d8              | 7.56  | 98   | 312059   | 48.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.98%  |          |
| 62) 4-Bromofluorobenzene    | 10.30 | 95   | 99688    | 43.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.32  | 43   | 12393    | 10.857 | ug/l    | 99       |
| 18) Methyl Acetate          | 2.63  | 43   | 1616     | 0.609  | ug/l #  | 85       |
| 64) Tetrachloroethene       | 8.23  | 164  | 2589     | 1.581  | ug/l    | 93       |

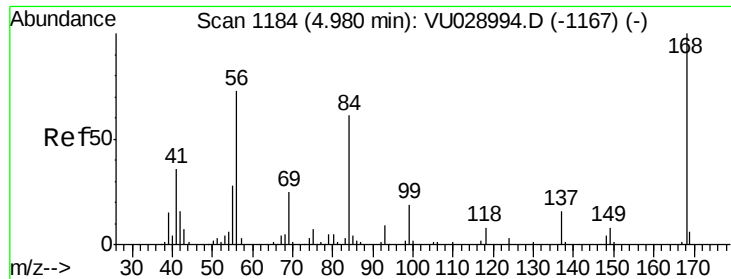
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Jan 04 02:22:53 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029120.D

Acq: 10 Jan 2019 15:53

Instrument :

MSVOA\_U

ClientSampleId :

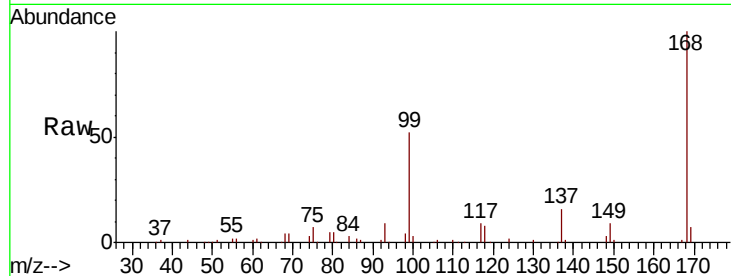
TWP-3

Tgt Ion:168 Resp: 146574

Ion Ratio Lower Upper

168 100

99 52.3 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

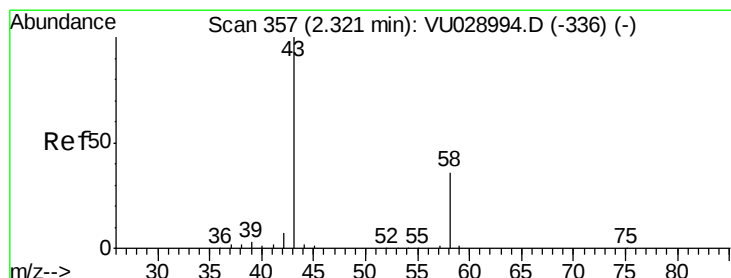
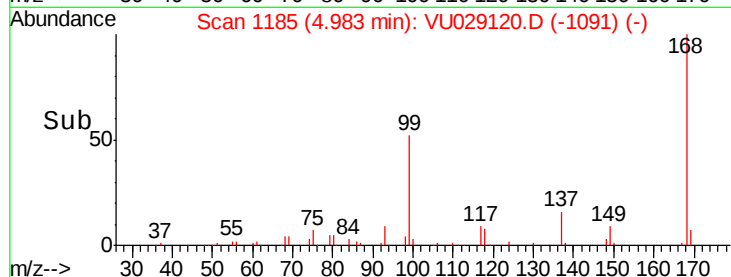
40000

20000

0

4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 10.857 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU029120.D

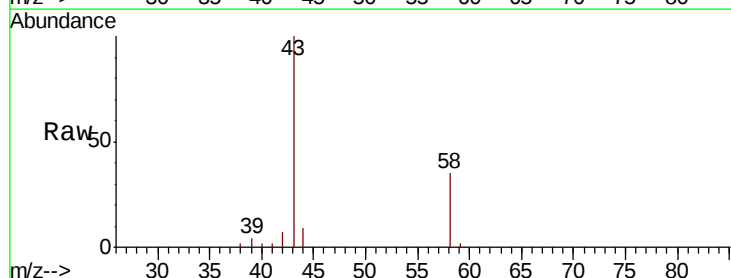
Acq: 10 Jan 2019 15:53

Tgt Ion: 43 Resp: 12393

Ion Ratio Lower Upper

43 100

58 35.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)

2.32

8000

6000

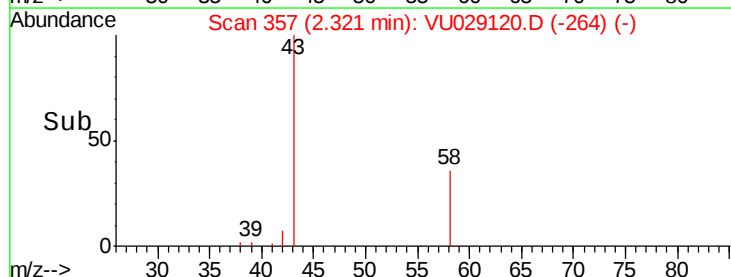
4000

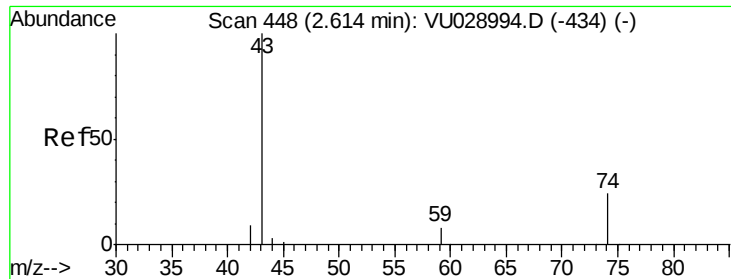
2000

0

2.25 2.30 2.35 2.40

Time-->





#18

Methyl Acetate

Concen: 0.609 ug/l

RT: 2.63 min Scan# 452

Delta R.T. 0.01 min

Lab File: VU029120.D

Acq: 10 Jan 2019 15:53

Instrument :

MSVOA\_U

ClientSampleId :

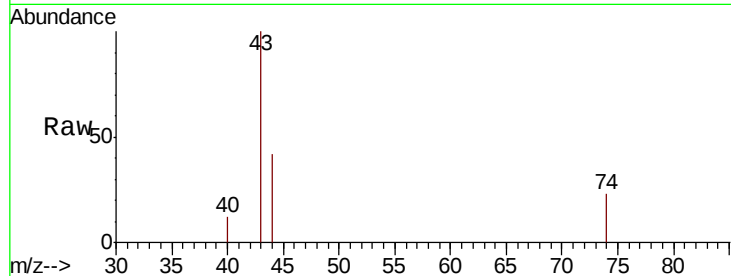
TWP-3

Tgt Ion: 43 Resp: 1616

Ion Ratio Lower Upper

43 100

74 17.0 19.5 29.3#



Abundance Ion 43.00 (42.70 to 43.70): VU029120.D (-355) (-)

Ion 74.00 (73.70 to 74.70): VU029120.D (-355) (-)

2.63

800

600

400

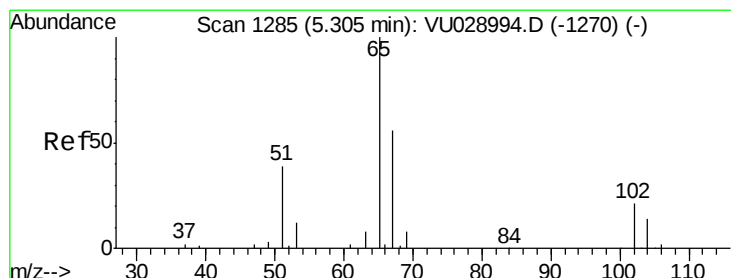
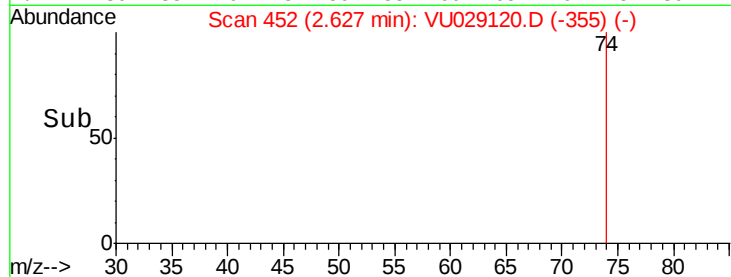
200

0

2.60

2.65

Time-->



#33

1,2-Dichloroethane-d4

Concen: 51.553 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU029120.D

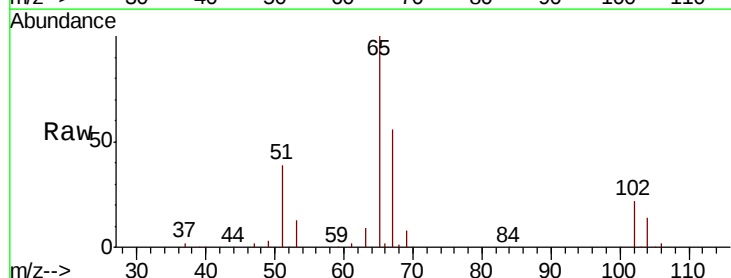
Acq: 10 Jan 2019 15:53

Tgt Ion: 65 Resp: 93411

Ion Ratio Lower Upper

65 100

67 56.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU029120.D (-1192) (-)

Ion 66.90 (66.60 to 67.60): VU029120.D (-1192) (-)

5.31

50000

40000

30000

20000

10000

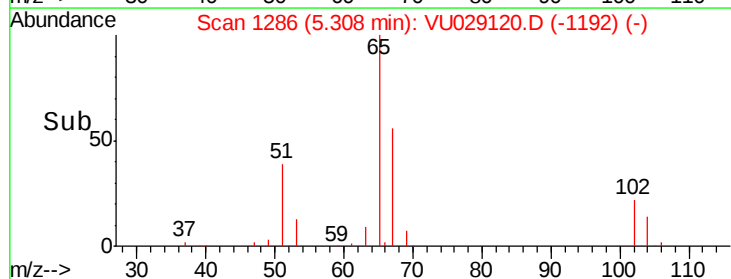
0

5.20

5.30

5.40

Time-->

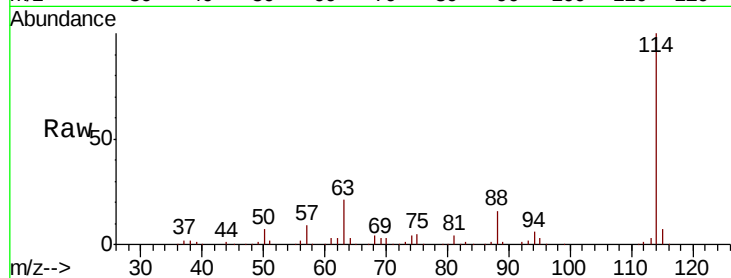




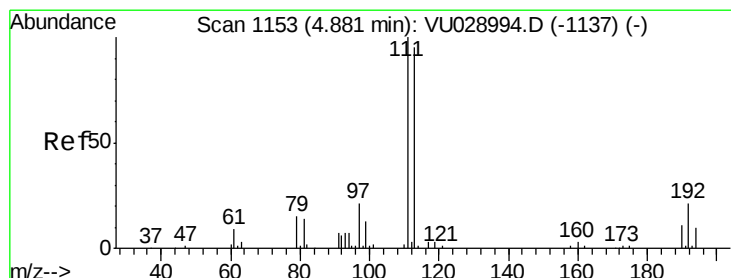
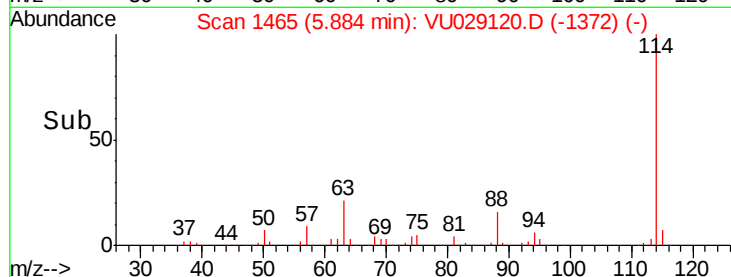
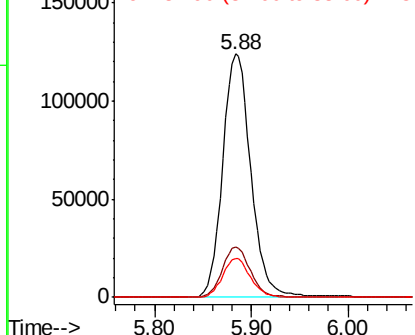
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. -0.00 min  
 Lab File: VU029120.D  
 Acq: 10 Jan 2019 15:53

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TWP-3

Tgt Ion:114 Resp: 251486  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 40.2  
 88 16.0 0.0 30.4

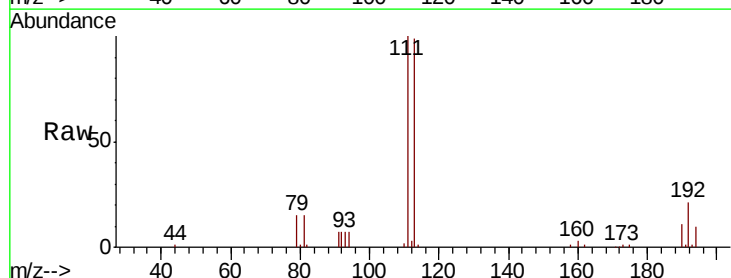


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

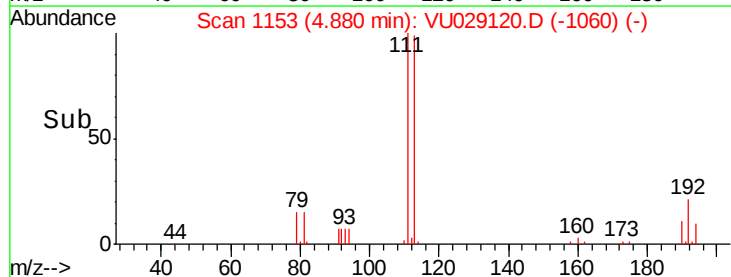
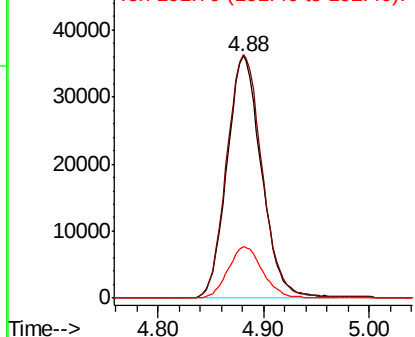


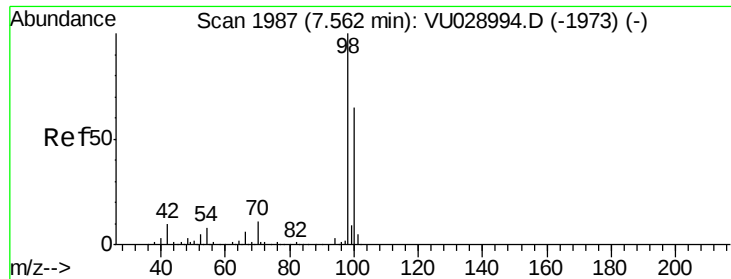
#35  
 Dibromofluoromethane  
 Concen: 50.227 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. -0.00 min  
 Lab File: VU029120.D  
 Acq: 10 Jan 2019 15:53

Tgt Ion:113 Resp: 81880  
 Ion Ratio Lower Upper  
 113 100  
 111 102.8 81.4 122.2  
 192 21.1 16.8 25.2



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

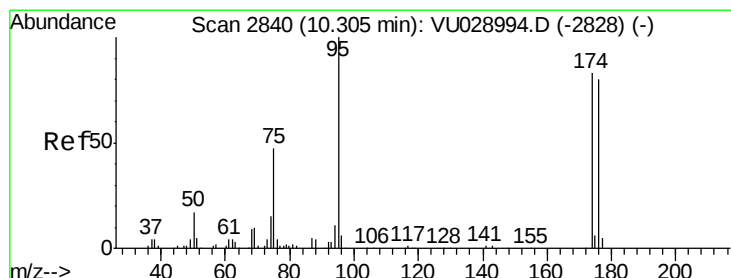
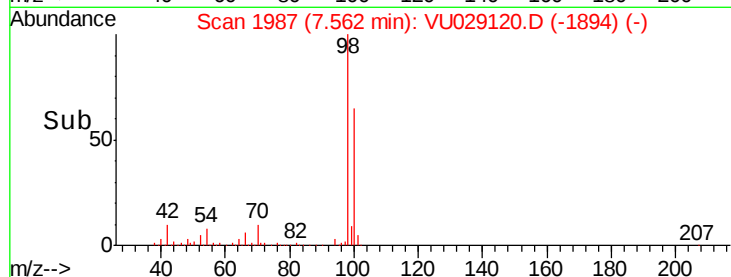
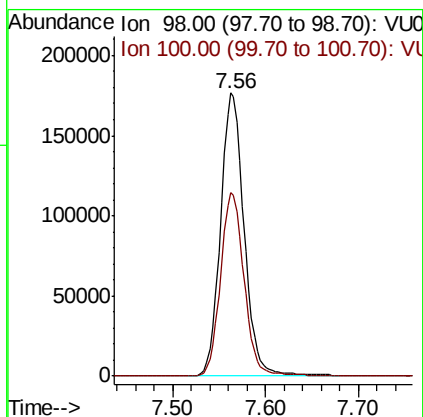
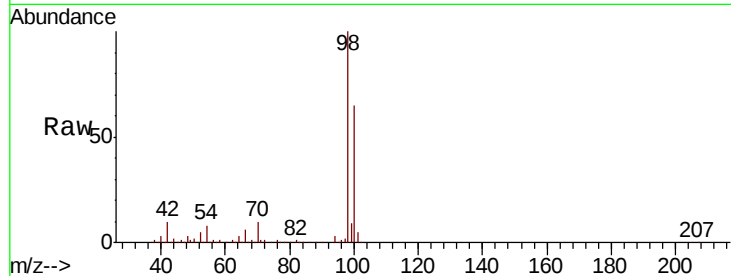




#50  
Toluene-d8  
Concen: 48.488 ug/l  
RT: 7.56 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: VU029120.D  
Acq: 10 Jan 2019 15:53

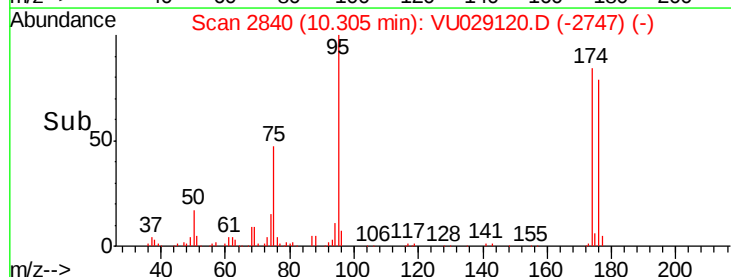
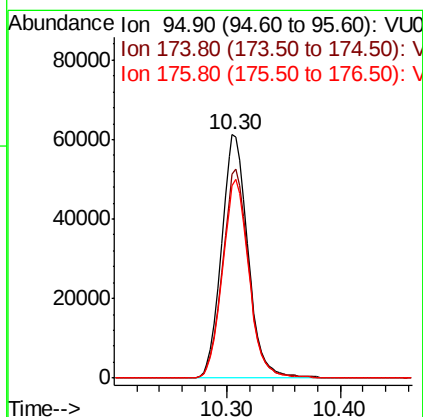
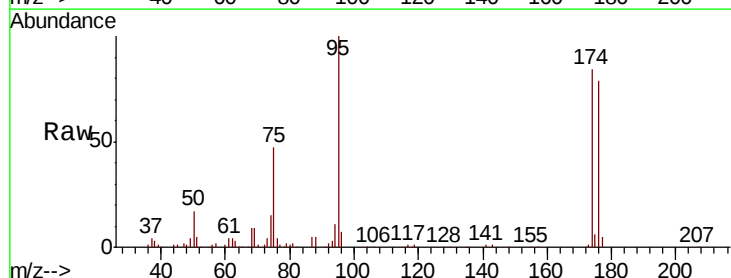
Instrument :  
MSVOA\_U  
ClientSampleId :  
TWP-3

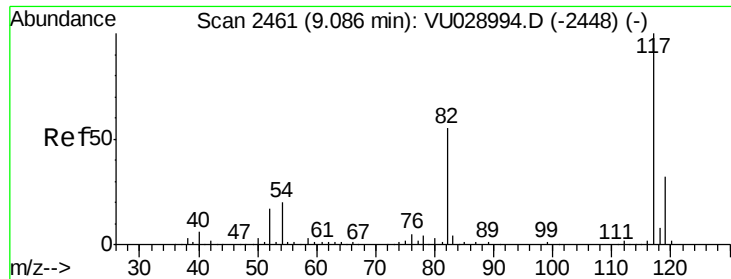
Tgt Ion: 98 Resp: 312059  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 43.100 ug/l  
RT: 10.30 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VU029120.D  
Acq: 10 Jan 2019 15:53

Tgt Ion: 95 Resp: 99688  
Ion Ratio Lower Upper  
95 100  
174 85.4 0.0 170.6  
176 81.5 0.0 165.0

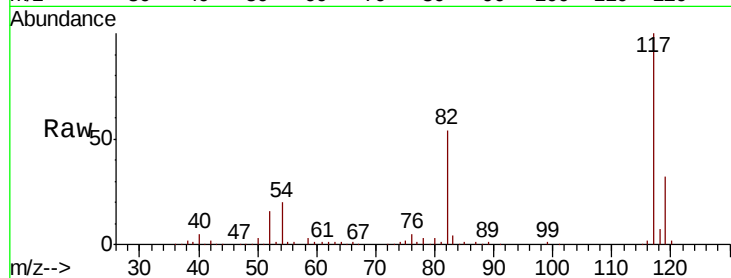




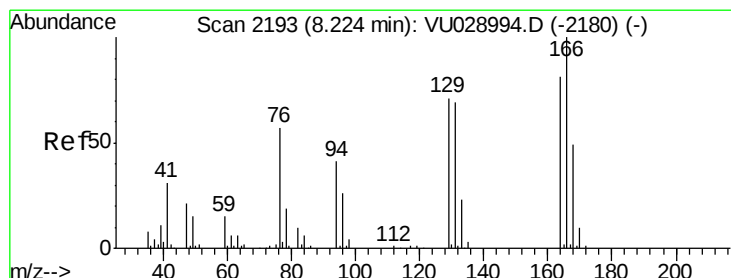
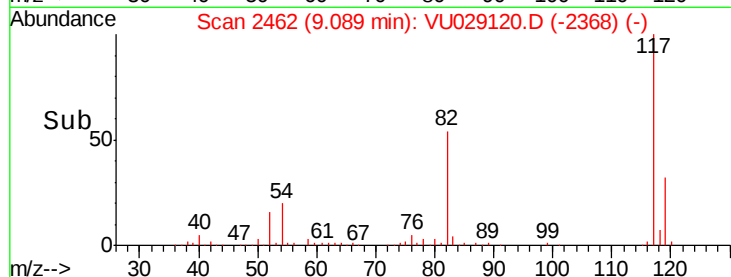
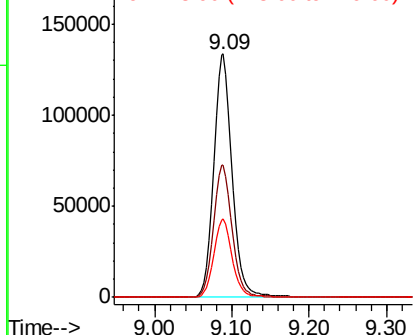
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VU029120.D  
Acq: 10 Jan 2019 15:53

Instrument :  
MSVOA\_U  
ClientSampleId :  
TWP-3

Tgt Ion:117 Resp: 227384  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.9 65.9  
119 32.4 26.0 39.0

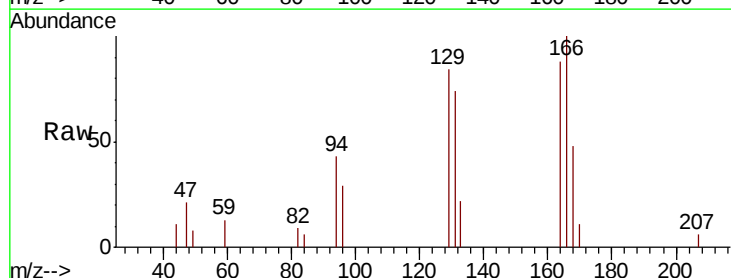


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU029120.D (-2368) (-)  
Ion 118.90 (118.60 to 119.60): V

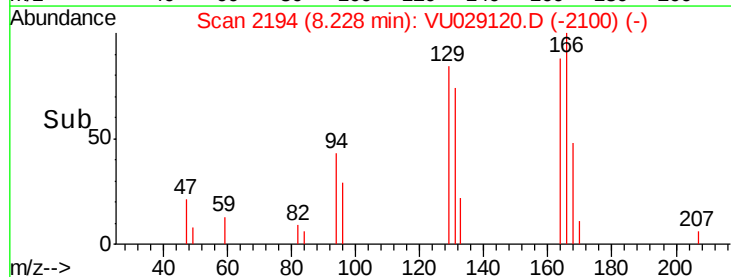
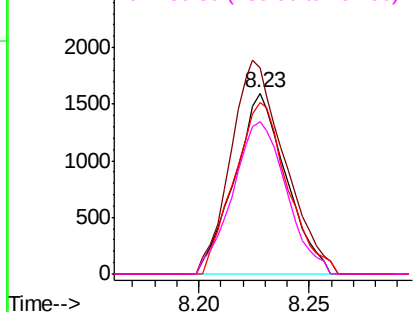


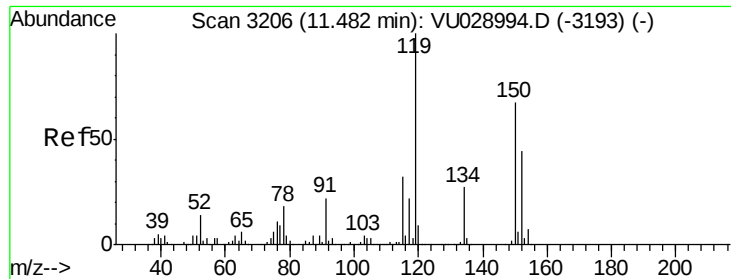
#64  
Tetrachloroethene  
Concen: 1.581 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. 0.00 min  
Lab File: VU029120.D  
Acq: 10 Jan 2019 15:53

Tgt Ion:164 Resp: 2589  
Ion Ratio Lower Upper  
164 100  
166 113.8 99.4 149.0  
129 95.2 70.5 105.7  
131 84.3 69.0 103.6



Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029120.D

Acq: 10 Jan 2019 15:53

Instrument :

MSVOA\_U

ClientSampleId :

TWP-3

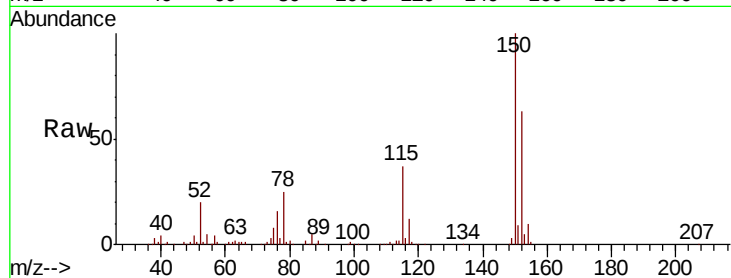
Tgt Ion:152 Resp: 90084

Ion Ratio Lower Upper

152 100

115 57.5 40.1 120.3

150 156.9 0.0 345.2



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

