

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU111218\  
 Data File : VU028063.D  
 Acq On : 12 Nov 2018 14:33  
 Operator : MD/SY  
 Sample : J5885-01DL 40X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RW-2DL

Quant Time: Nov 13 03:13:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 02 02:28:20 2018  
 Response via : Initial Calibration

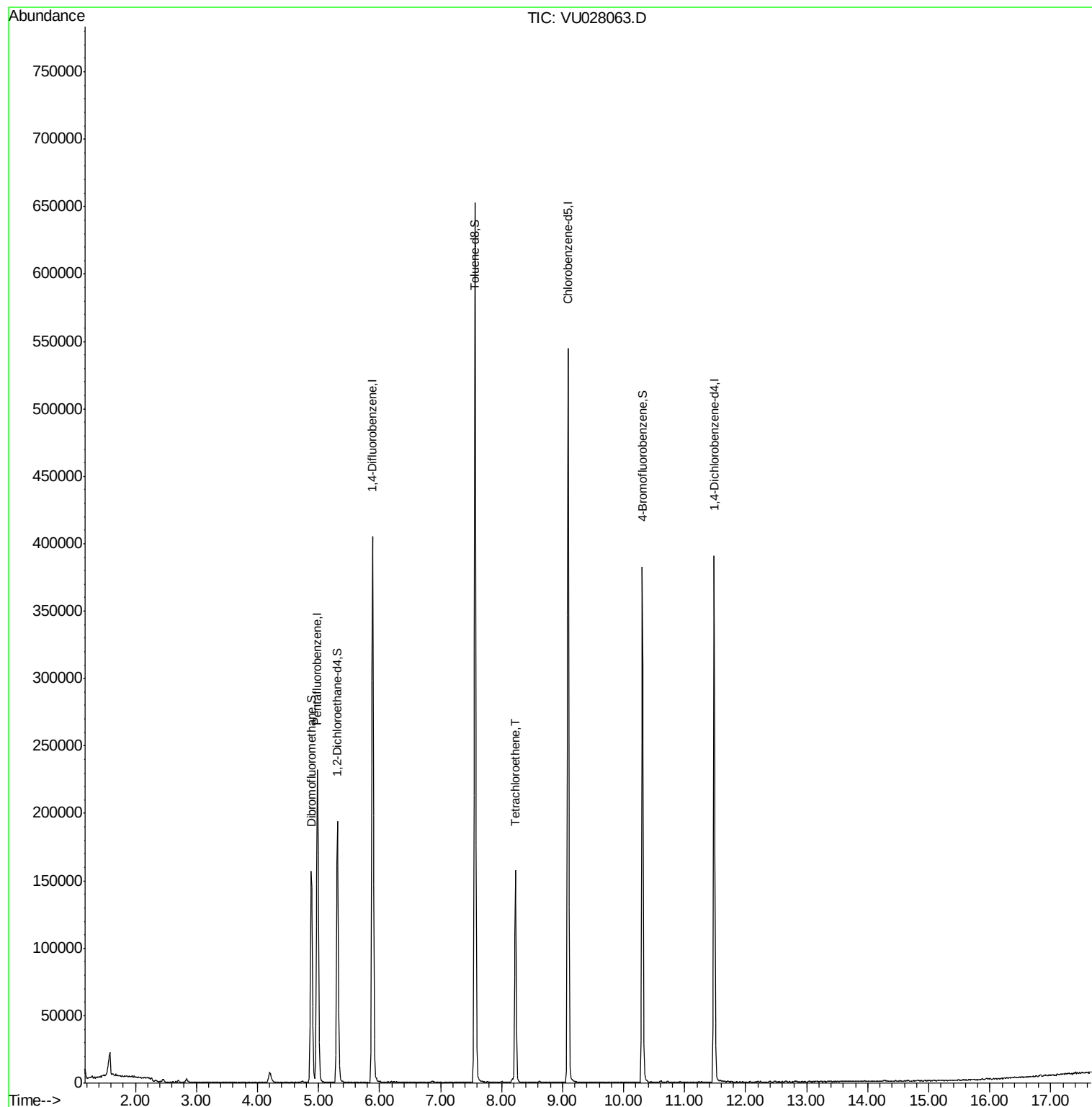
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 169775   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 322037   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 277241   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 95821    | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 147513   | 58.44  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.88% |           |
| 35) Dibromofluoromethane    | 4.88  | 113  | 108113   | 53.24  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.48% |           |
| 50) Toluene-d8              | 7.57  | 98   | 415850   | 53.02  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.04% |           |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 125080   | 43.23  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.46%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 64) Tetrachloroethene       | 8.23  | 164  | 34045    | 18.938 | ug/l    | Qvalue 98 |

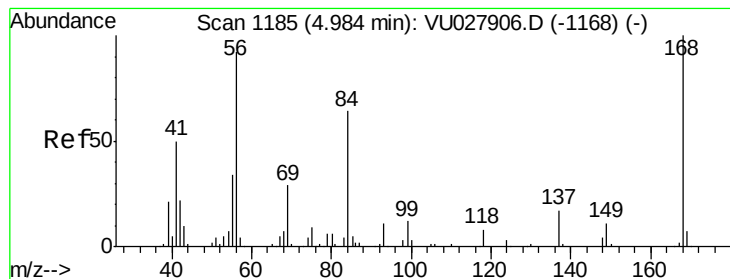
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Nov 02 02:28:20 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: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :

MSVOA\_U

ClientSampleId :

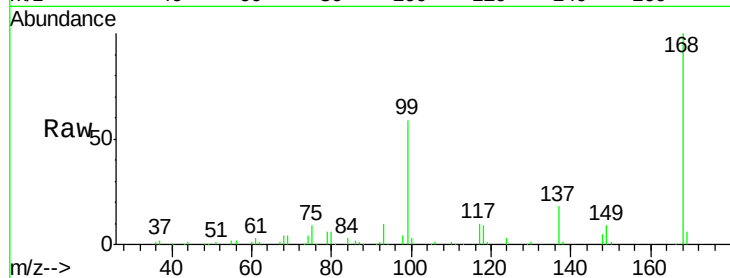
RW-2DL

Tgt Ion: 168 Resp: 169775

Ion Ratio Lower Upper

168 100

99 59.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

80000

60000

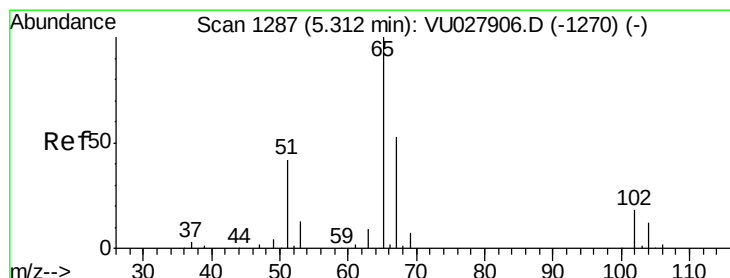
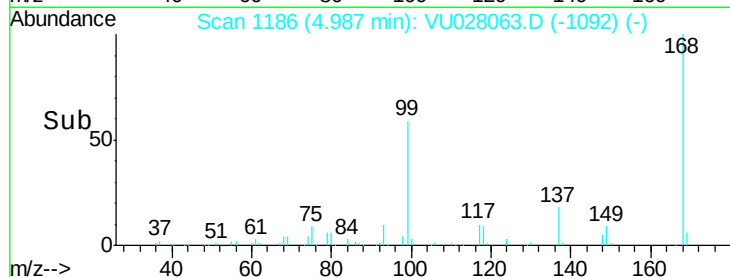
40000

20000

0

Time-->

4.90 5.00 5.10



#33

1,2-Dichloroethane-d4

Concen: 58.441 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VU028063.D

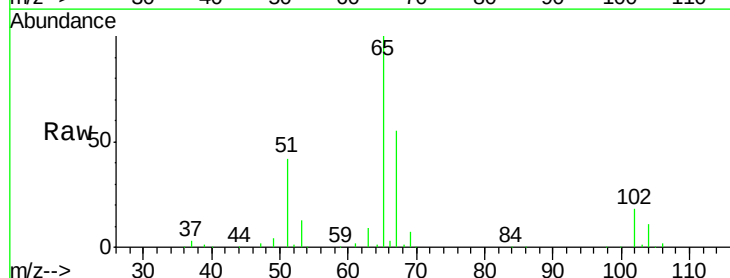
Acq: 12 Nov 2018 14:33

Tgt Ion: 65 Resp: 147513

Ion Ratio Lower Upper

65 100

67 54.7 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU027906.D (-1270) (-)

Ion 66.90 (66.60 to 67.60): VU027906.D (-1270) (-)

5.31

80000

60000

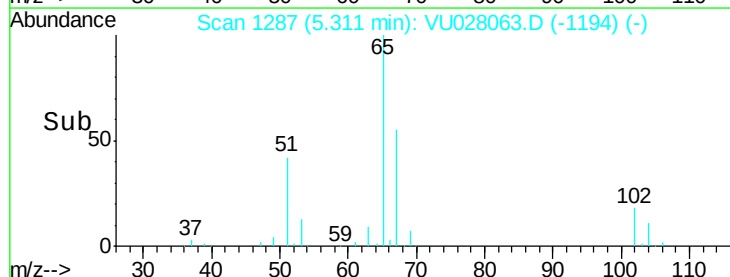
40000

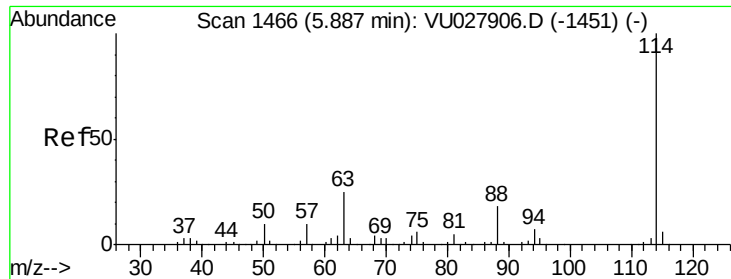
20000

0

Time-->

5.20 5.30 5.40

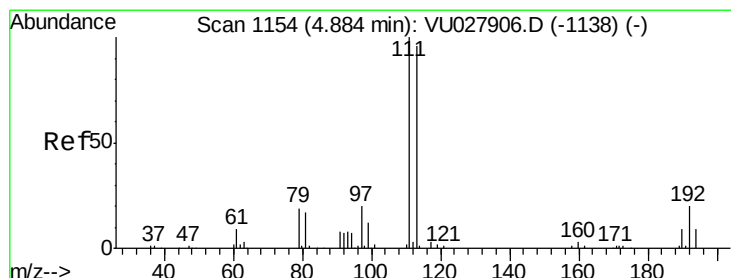
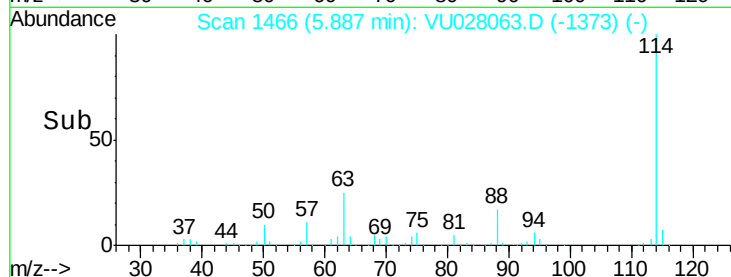
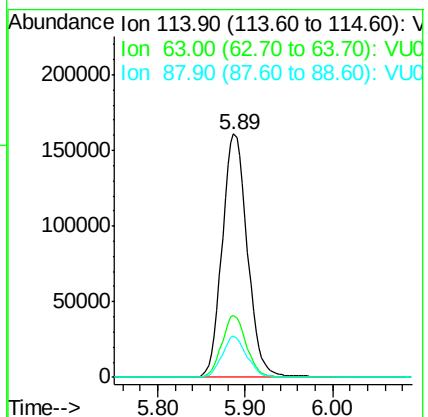
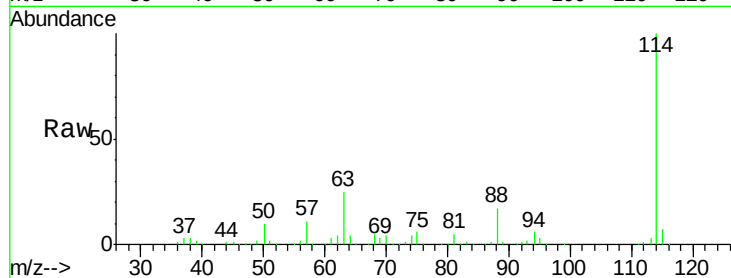




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU028063.D  
 Acq: 12 Nov 2018 14:33

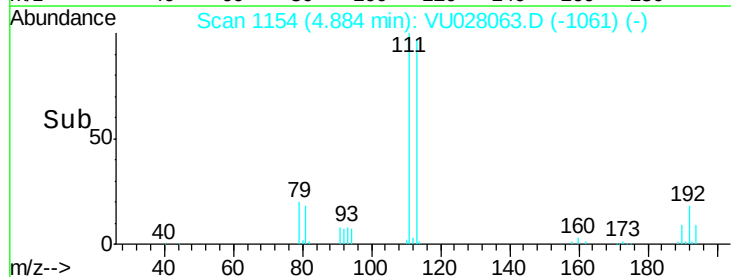
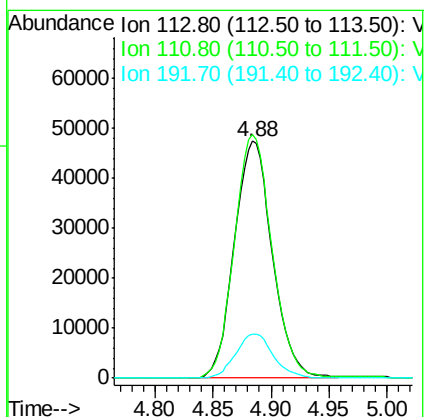
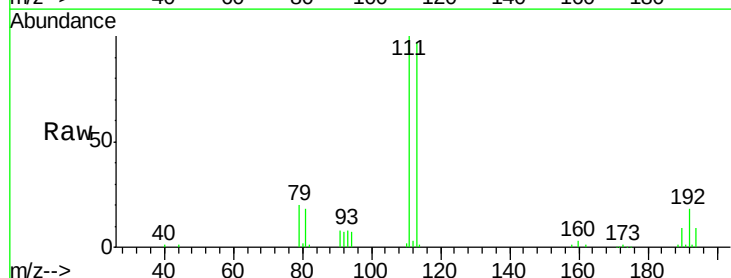
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 RW-2DL

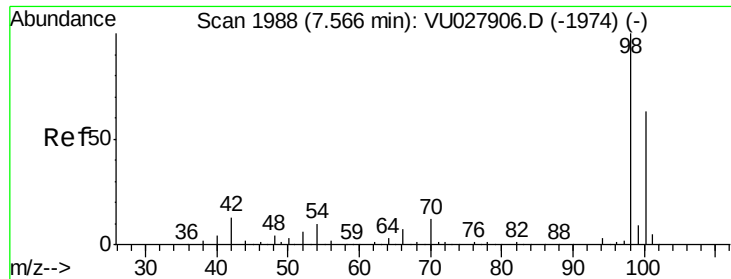
Tgt Ion:114 Resp: 322037  
 Ion Ratio Lower Upper  
 114 100  
 63 25.2 0.0 50.8  
 88 16.8 0.0 35.8



#35  
 Dibromofluoromethane  
 Concen: 53.245 ug/l  
 RT: 4.88 min Scan# 1154  
 Delta R.T. -0.00 min  
 Lab File: VU028063.D  
 Acq: 12 Nov 2018 14:33

Tgt Ion:113 Resp: 108113  
 Ion Ratio Lower Upper  
 113 100  
 111 101.9 83.0 124.6  
 192 18.5 15.6 23.4

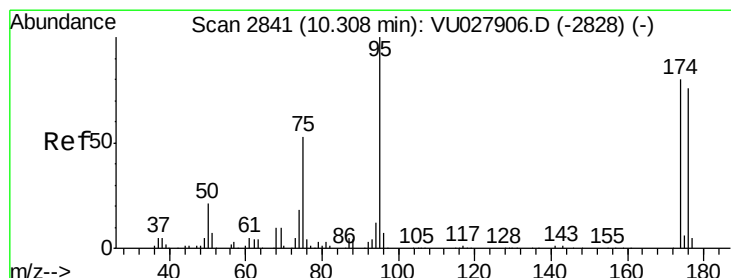
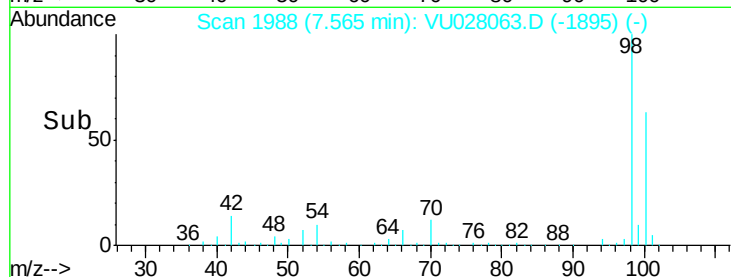
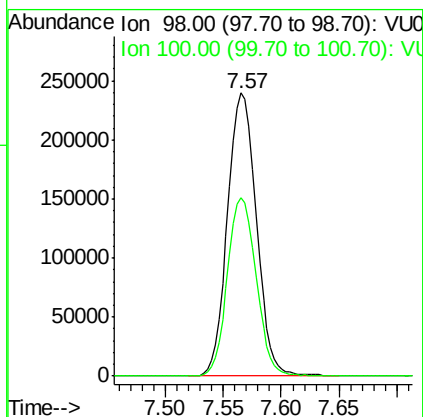
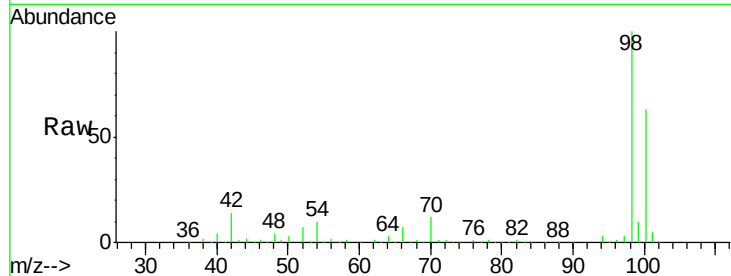




#50  
Toluene-d8  
Concen: 53.018 ug/l  
RT: 7.57 min Scan# 1988  
Delta R.T. -0.00 min  
Lab File: VU028063.D  
Acq: 12 Nov 2018 14:33

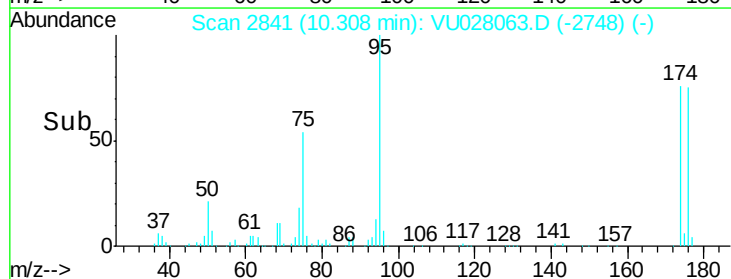
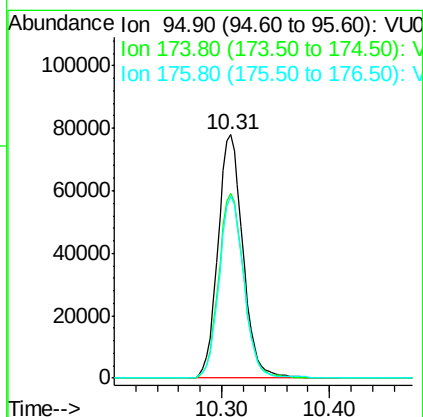
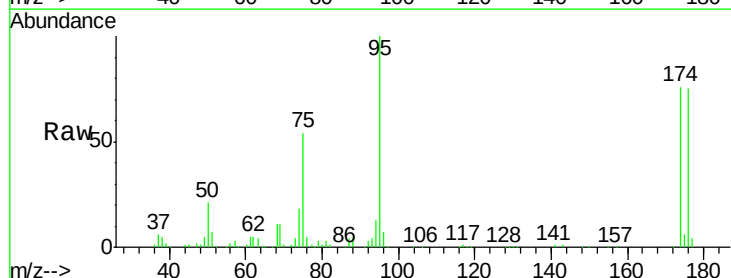
Instrument :  
MSVOA\_U  
ClientSampleId :  
RW-2DL

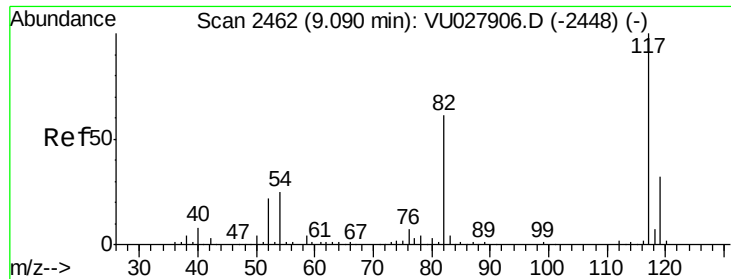
Tgt Ion: 98 Resp: 415850  
Ion Ratio Lower Upper  
98 100  
100 62.9 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 43.234 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.00 min  
Lab File: VU028063.D  
Acq: 12 Nov 2018 14:33

Tgt Ion: 95 Resp: 125080  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 156.4  
176 74.0 0.0 150.8

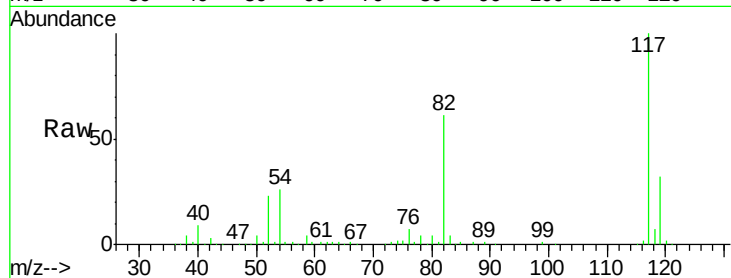




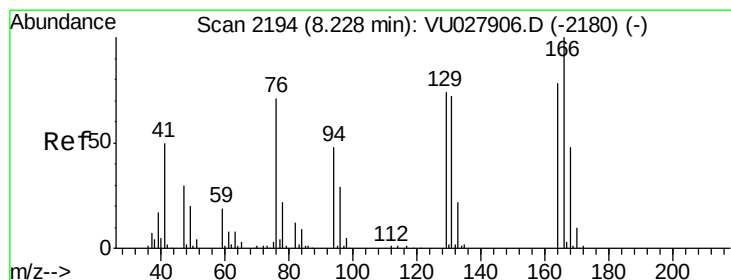
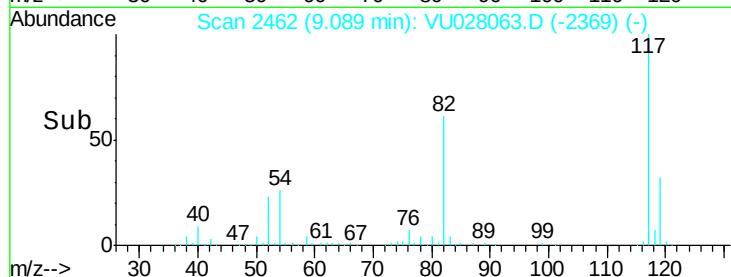
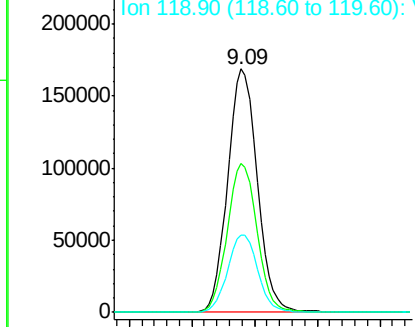
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028063.D  
Acq: 12 Nov 2018 14:33

Instrument :  
MSVOA\_U  
ClientSampled :  
RW-2DL

Tgt Ion:117 Resp: 277241  
Ion Ratio Lower Upper  
117 100  
82 61.4 48.6 73.0  
119 31.8 25.8 38.8



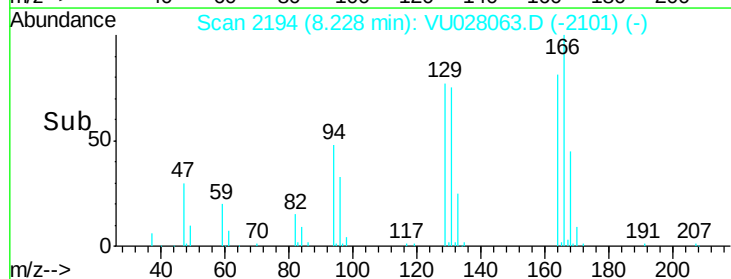
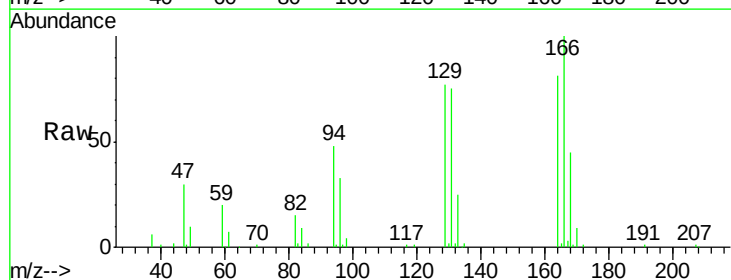
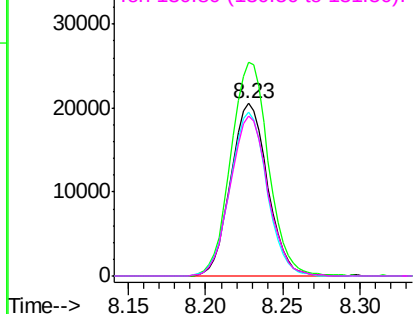
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

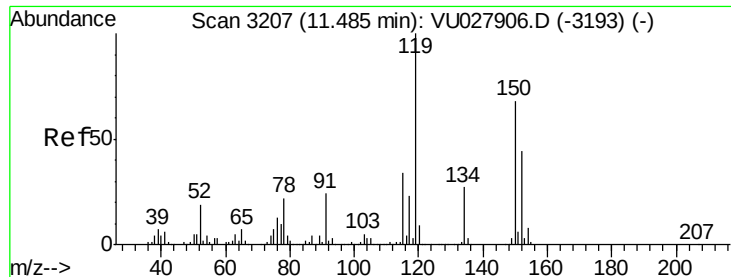


#64  
Tetrachloroethene  
Concen: 18.938 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. -0.00 min  
Lab File: VU028063.D  
Acq: 12 Nov 2018 14:33

Tgt Ion:164 Resp: 34045  
Ion Ratio Lower Upper  
164 100  
166 123.9 102.1 153.1  
129 95.3 75.9 113.9  
131 93.0 73.0 109.6

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# 3207

Delta R.T. -0.00 min

Lab File: VU028063.D

Acq: 12 Nov 2018 14:33

Instrument :

MSVOA\_U

ClientSampleId :

RW-2DL

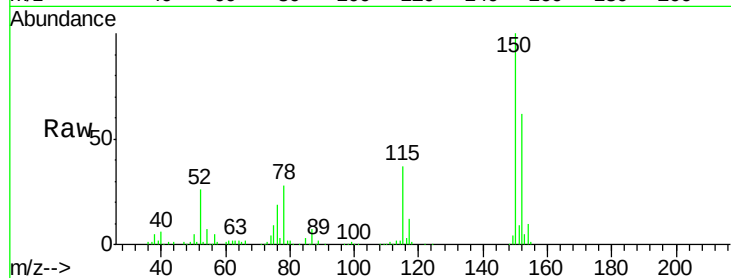
Tgt Ion:152 Resp: 95821

Ion Ratio Lower Upper

152 100

115 60.8 43.0 129.0

150 160.0 0.0 349.4



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

