

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111318\  
 Data File : VU028092.D  
 Acq On : 13 Nov 2018 15:18  
 Operator : MD/SY  
 Sample : J5885-06DL2 1000X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-5DL2

Quant Time: Nov 14 09:41:17 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

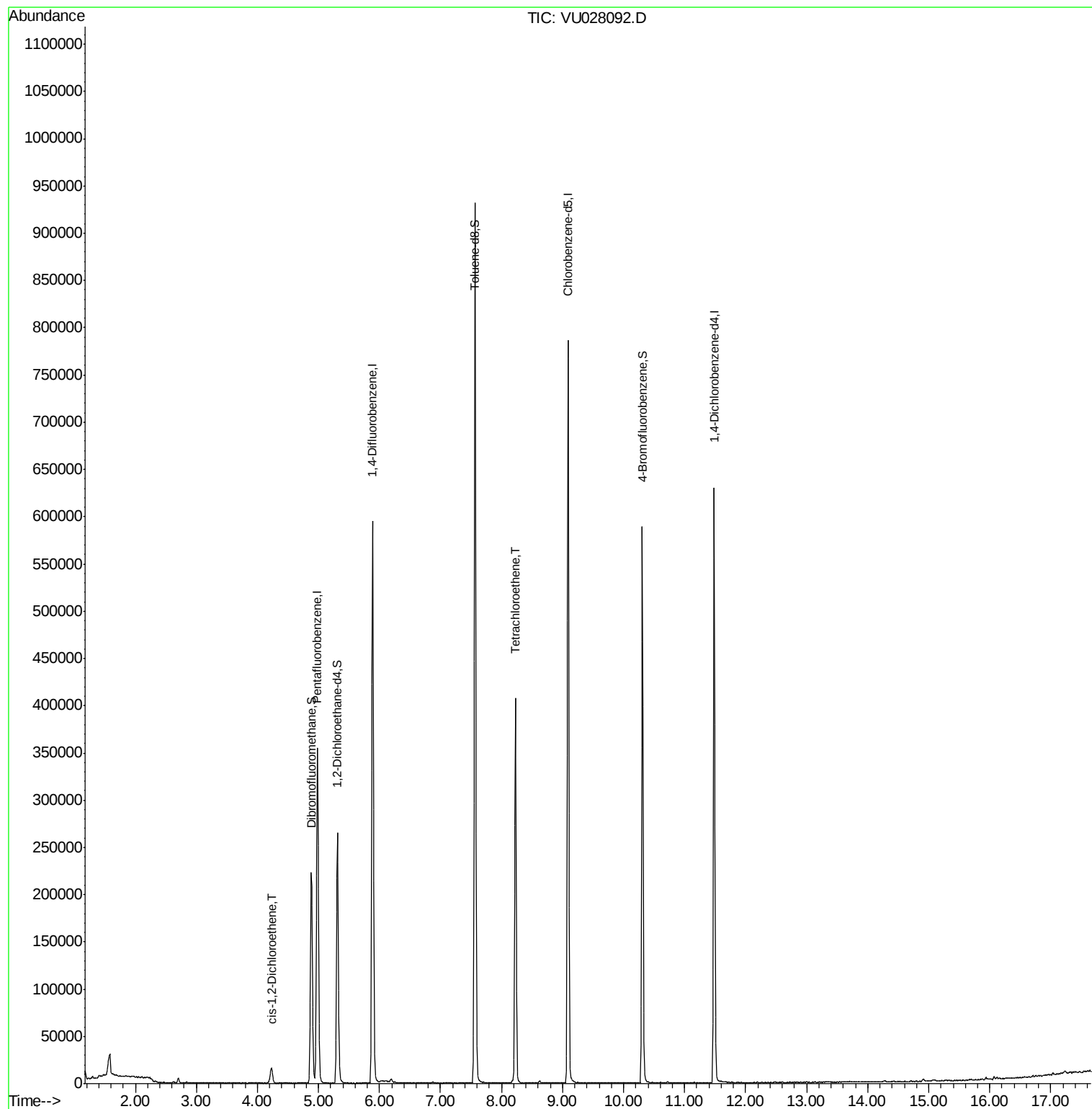
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 262542   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 480809   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 414184   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 163838   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 202371   | 51.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.70% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 154192   | 50.86  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.72% |          |
| 50) Toluene-d8              | 7.57  | 98   | 612733   | 52.32  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.64% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 193972   | 44.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 89.82%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.23  | 96   | 8995     | 2.526  | ug/l    | 80       |
| 64) Tetrachloroethene       | 8.23  | 164  | 89633    | 33.374 | ug/l    | 98       |

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

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MSVOA\_U  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U110218W.M  
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: VU028092.D

Acq: 13 Nov 2018 15:18

Instrument :

MSVOA\_U

ClientSampled :

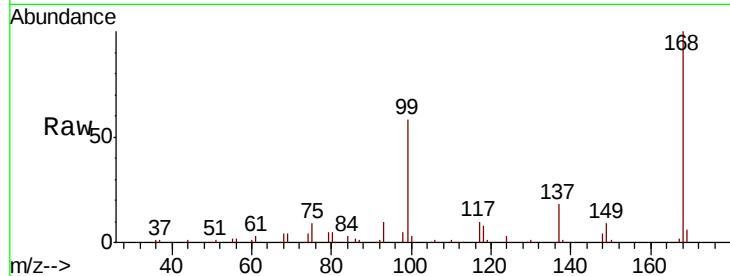
MW-5DL2

Tot Ion:168 Resp: 262542

Ion Ratio Lower Upper

168 100

99 57.5 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) (-)

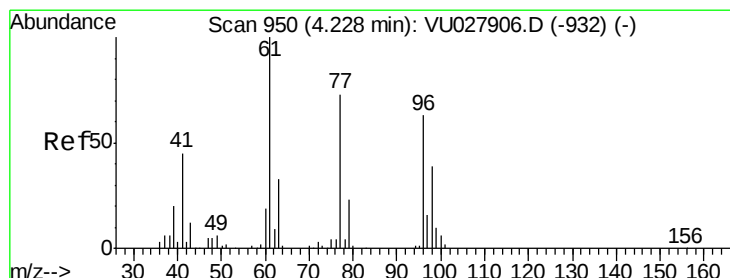
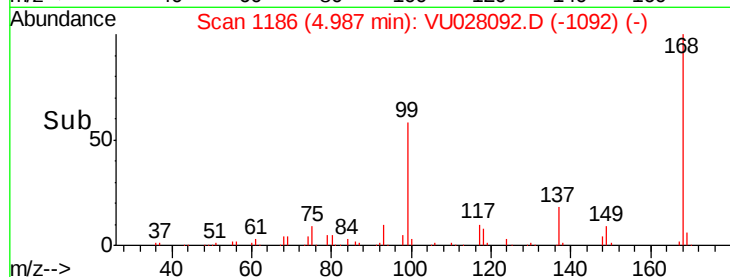
4.99

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 2.526 ug/l

RT: 4.23 min Scan# 952

Delta R.T. 0.01 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

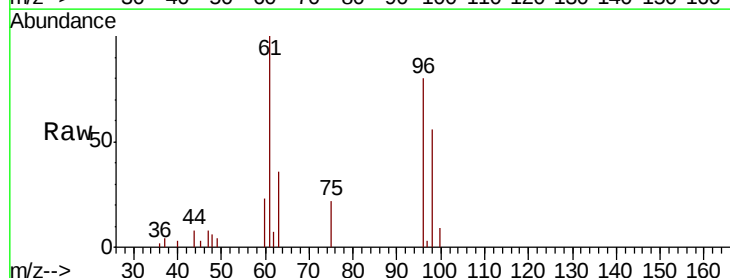
Tgt Ion: 96 Resp: 8995

Ion Ratio Lower Upper

96 100

61 128.7 0.0 329.6

98 62.8 0.0 127.2



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-932) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-932) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-932) (-)

4.23

6000

5000

4000

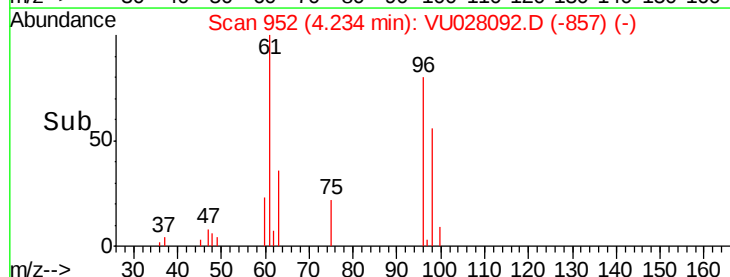
3000

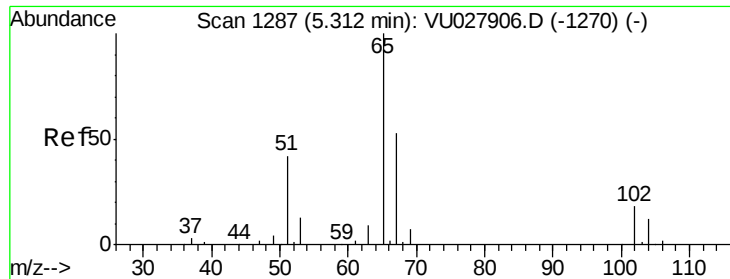
2000

1000

0

Time-->

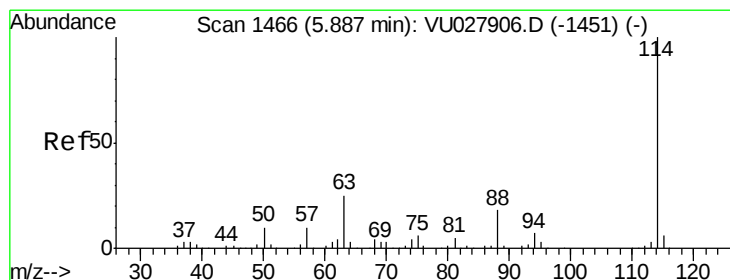
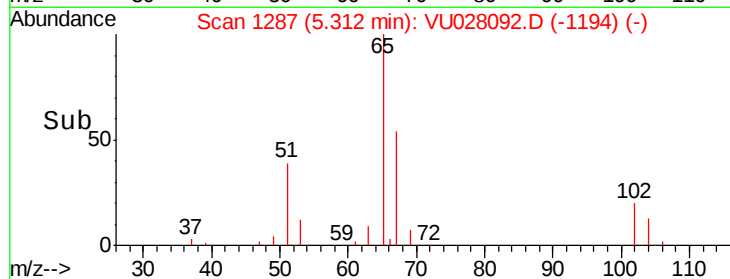
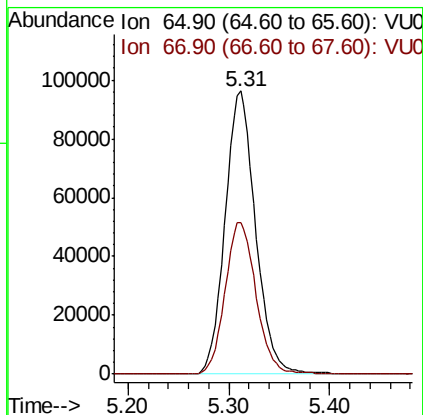
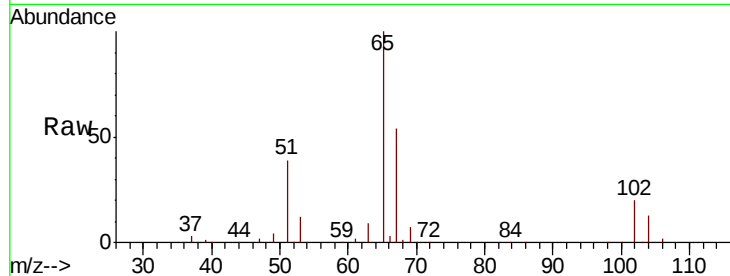




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.846 ug/l  
 RT: 5.31 min Scan# 1287  
 Delta R.T. -0.00 min  
 Lab File: VU028092.D  
 Acq: 13 Nov 2018 15:18

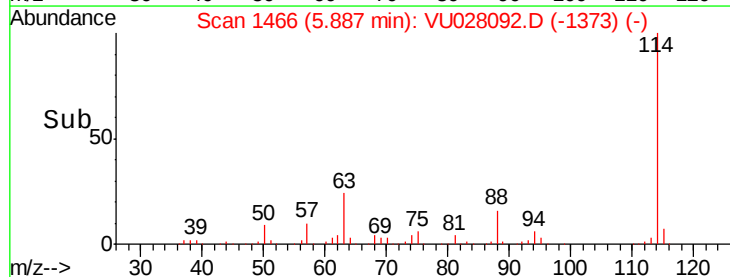
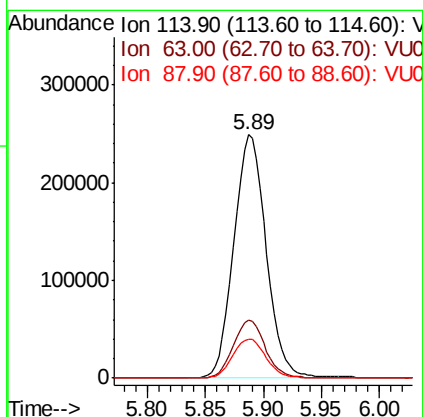
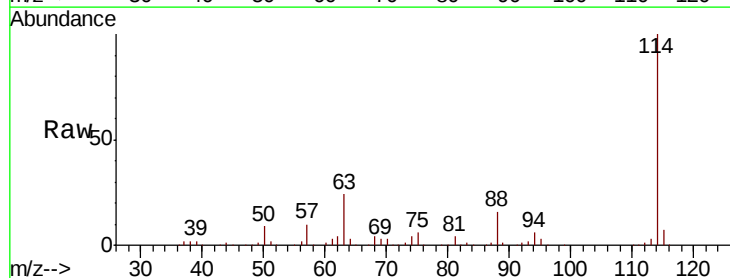
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-5DL2

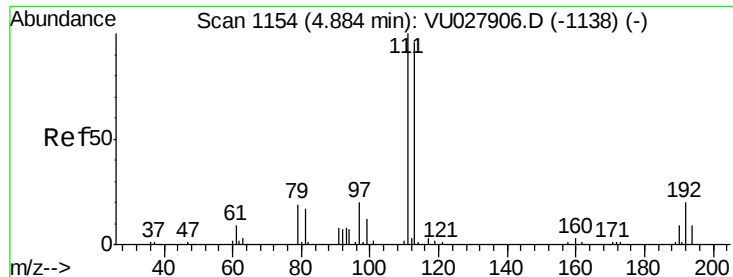
Tot Ion: 65 Resp: 202371  
 Ion Ratio Lower Upper  
 65 100  
 67 54.5 0.0 109.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. -0.00 min  
 Lab File: VU028092.D  
 Acq: 13 Nov 2018 15:18

Tgt Ion: 114 Resp: 480809  
 Ion Ratio Lower Upper  
 114 100  
 63 23.6 0.0 50.8  
 88 16.2 0.0 35.8

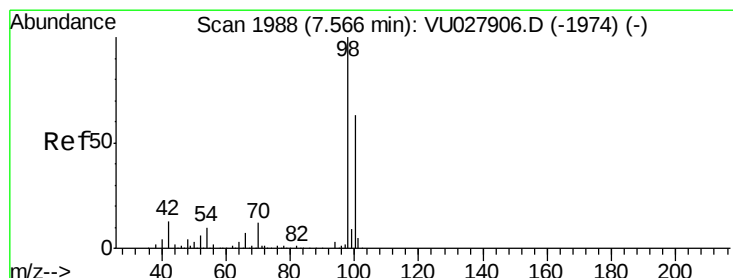
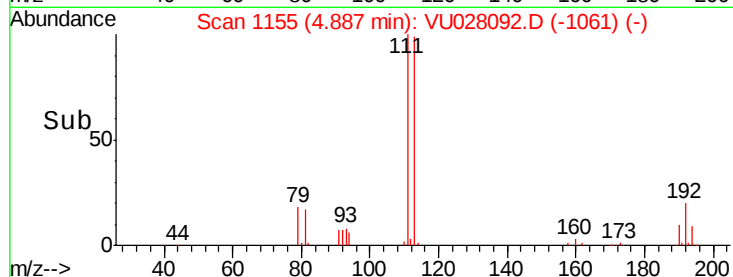
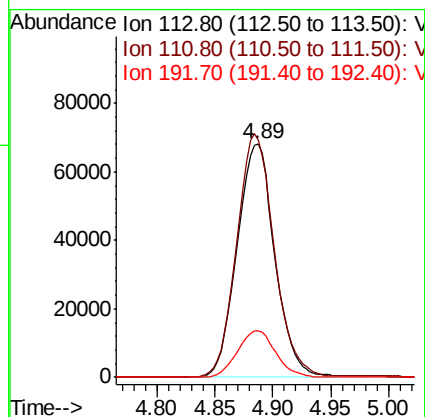
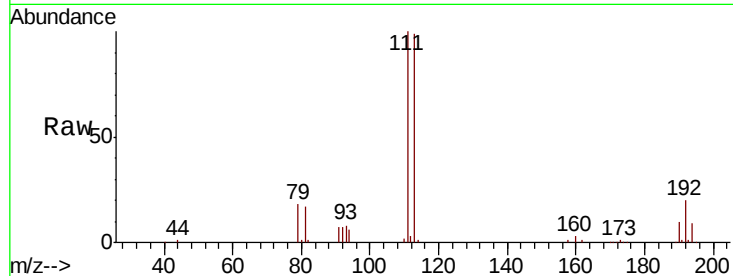




#35  
 Dibromofluoromethane  
 Concen: 50.862 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU028092.D  
 Acq: 13 Nov 2018 15:18

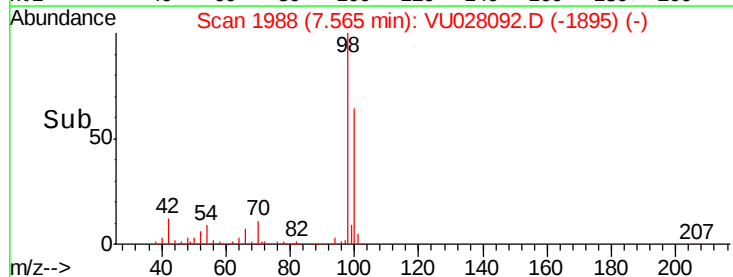
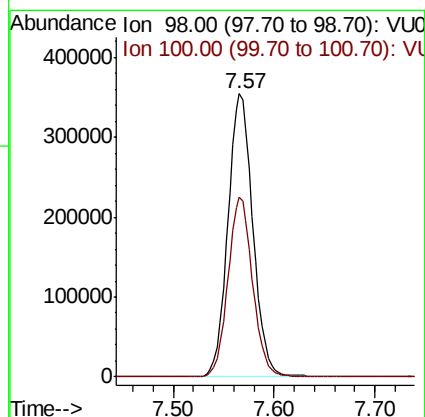
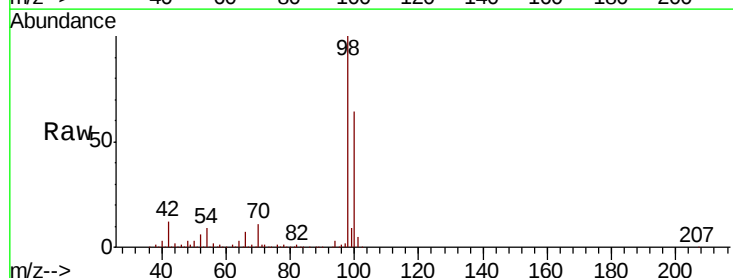
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-5DL2

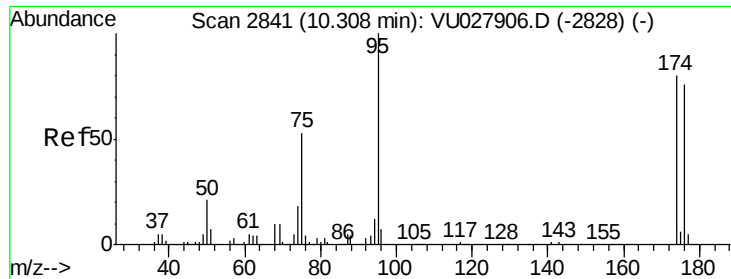
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.6 | 83.0  | 124.6 |
| 192     | 20.2  | 15.6  | 23.4  |



#50  
 Toluene-d8  
 Concen: 52.322 ug/l  
 RT: 7.57 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: VU028092.D  
 Acq: 13 Nov 2018 15:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.7  | 50.1  | 75.1  |

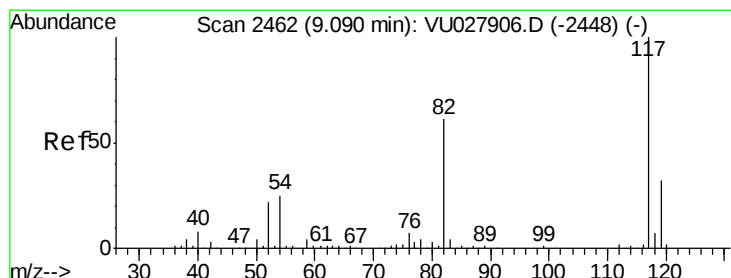
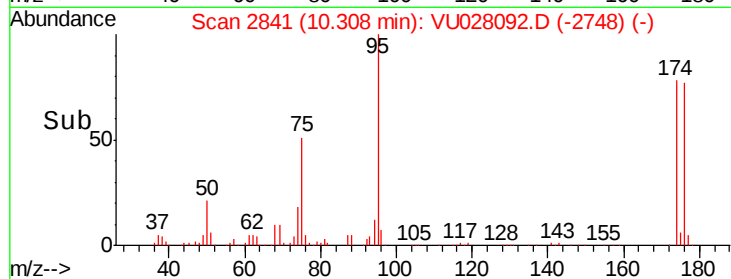
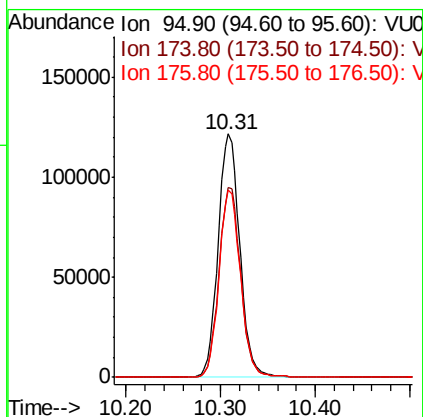
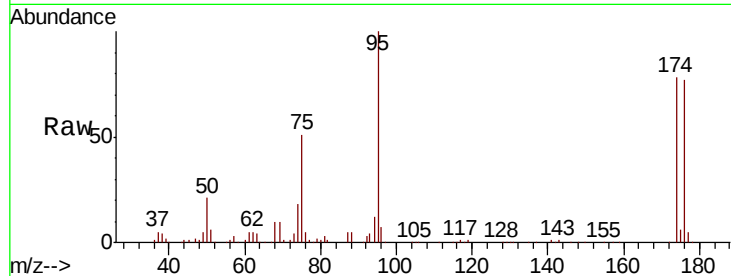




#62  
4-Bromofluorobenzene  
Concen: 44.907 ug/l  
RT: 10.31 min Scan# 2841  
Delta R.T. -0.00 min  
Lab File: VU028092.D  
Acq: 13 Nov 2018 15:18

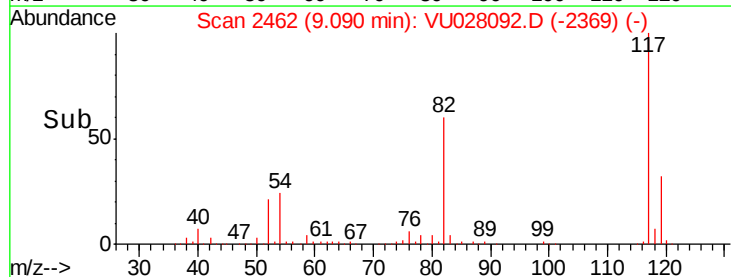
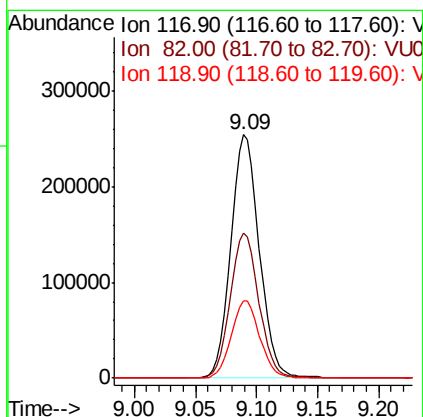
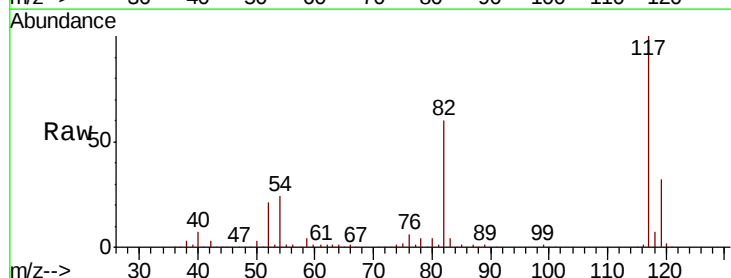
Instrument :  
MSVOA\_U  
ClientSampleId :  
MW-5DL2

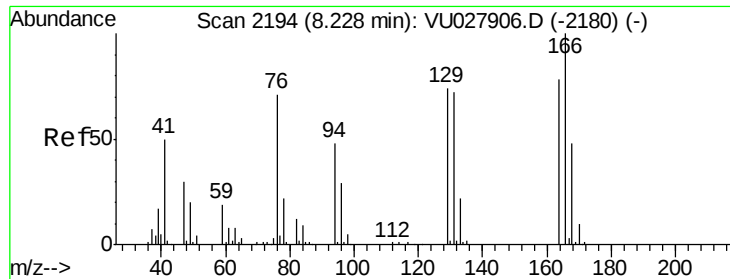
Tot Ion: 95 Resp: 193972  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 156.4  
176 76.2 0.0 150.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. -0.00 min  
Lab File: VU028092.D  
Acq: 13 Nov 2018 15:18

Tgt Ion: 117 Resp: 414184  
Ion Ratio Lower Upper  
117 100  
82 59.8 48.6 73.0  
119 31.6 25.8 38.8





#64

Tetrachloroethene

Concen: 33.374 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028092.D

Acq: 13 Nov 2018 15:18

Instrument :  
MSVOA\_U  
ClientSampled :  
MW-5DL2

Tot Ion:164 Resp: 89633

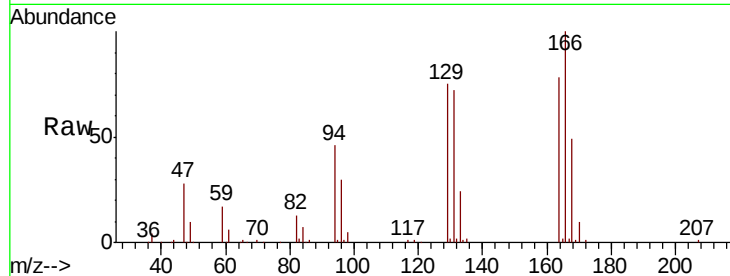
Ion Ratio Lower Upper

164 100

166 129.0 102.1 153.1

129 96.6 75.9 113.9

131 93.4 73.0 109.6



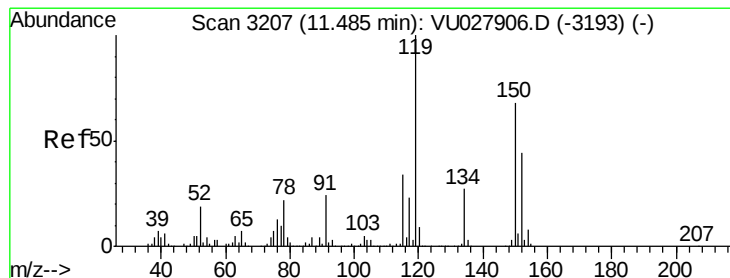
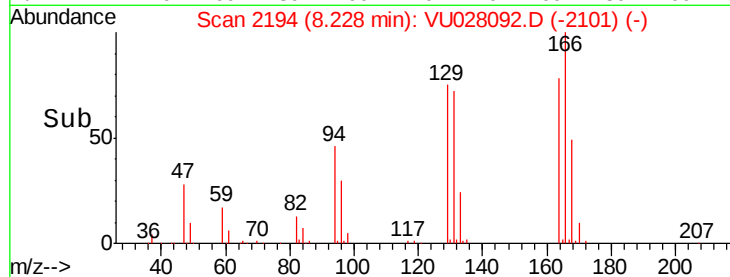
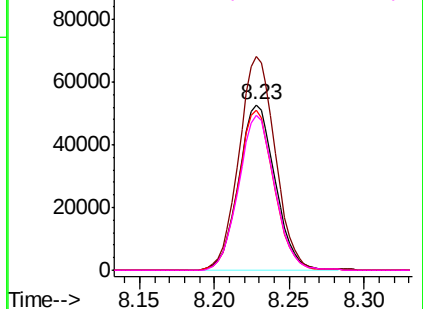
Abundance

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: VU028092.D

Acq: 13 Nov 2018 15:18

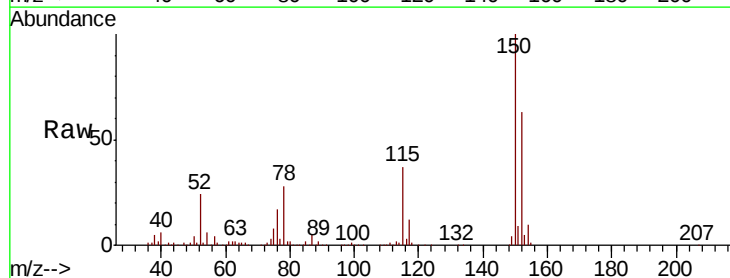
Tgt Ion:152 Resp: 163838

Ion Ratio Lower Upper

152 100

115 57.1 43.0 129.0

150 153.8 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

