

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU111218\  
 Data File : VU028062.D  
 Acq On : 12 Nov 2018 14:09  
 Operator : MD/SY  
 Sample : J5885-05DL 20X  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-3DL

Quant Time: Nov 13 03:11:41 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

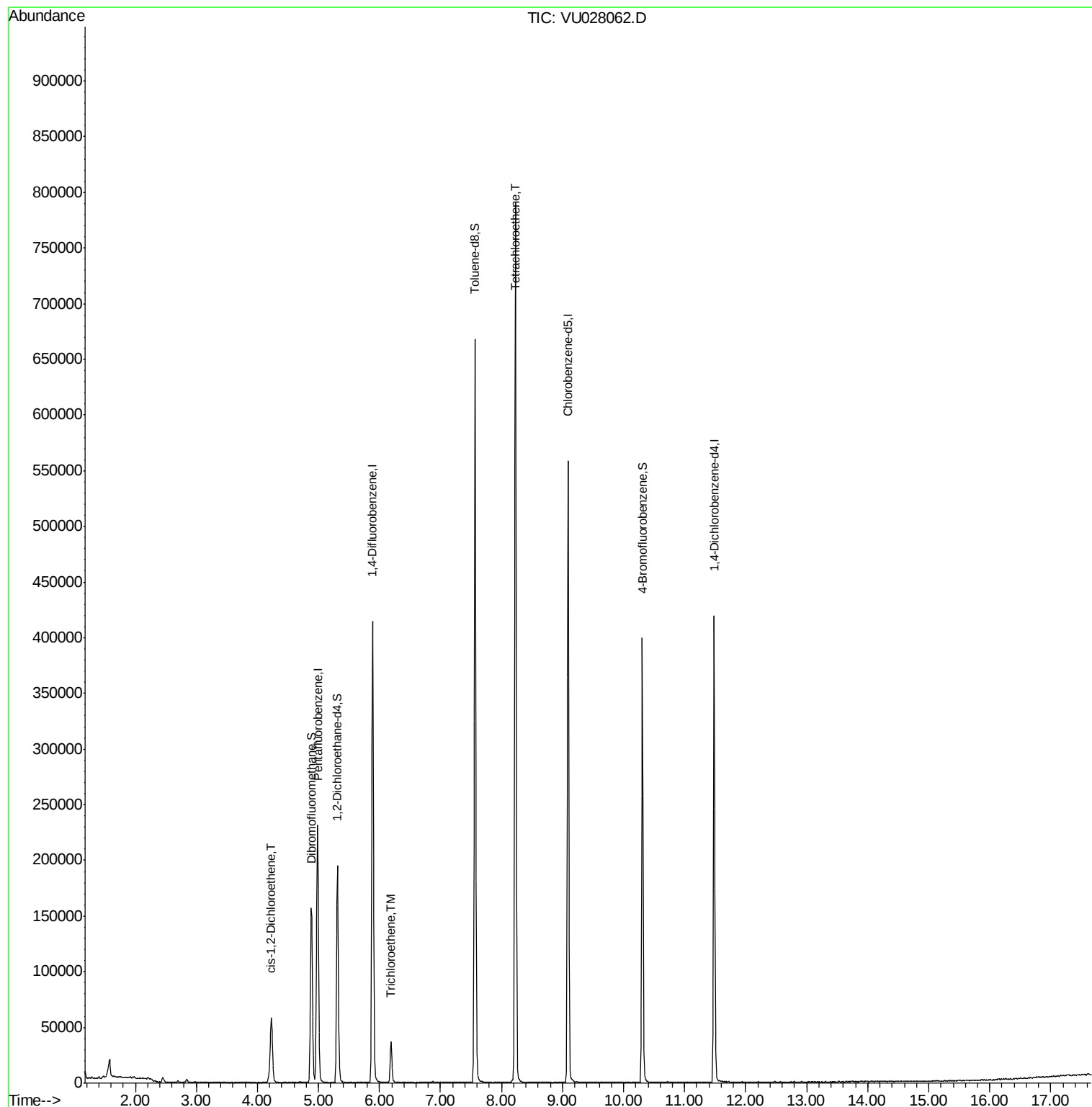
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 4.99  | 168  | 171672   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89  | 114  | 326969   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 284007   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 103414   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 150465   | 58.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.90% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 110661   | 53.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.36% |          |
| 50) Toluene-d8              | 7.57  | 98   | 428297   | 53.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.56% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 133157   | 45.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.66%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.23  | 96   | 30501    | 13.099 | ug/l    | 91       |
| 44) Trichloroethene         | 6.19  | 130  | 11883    | 5.280  | ug/l    | 99       |
| 64) Tetrachloroethene       | 8.23  | 164  | 167536   | 90.974 | ug/l    | 98       |

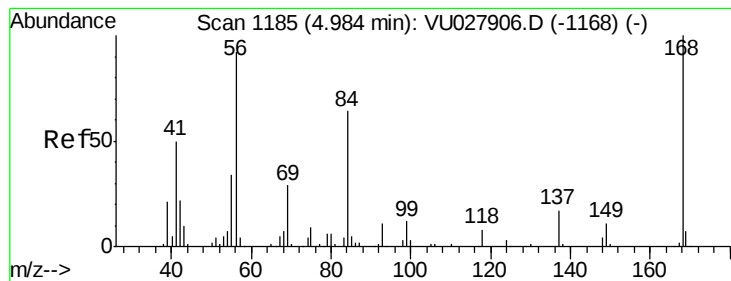
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU111218\  
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ClientSampleId :  
MW-3DL

Quant Time: Nov 13 03:11:41 2018  
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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: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA\_U

ClientSampled :

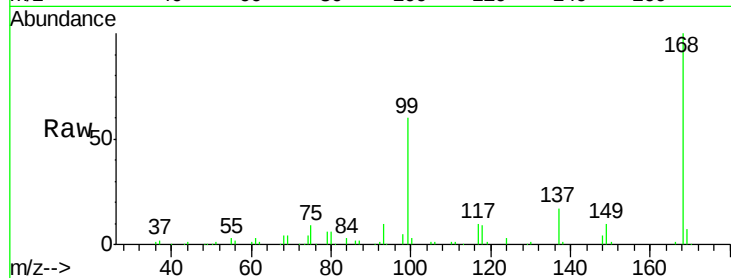
MW-3DL

Tgt Ion:168 Resp: 171672

Ion Ratio Lower Upper

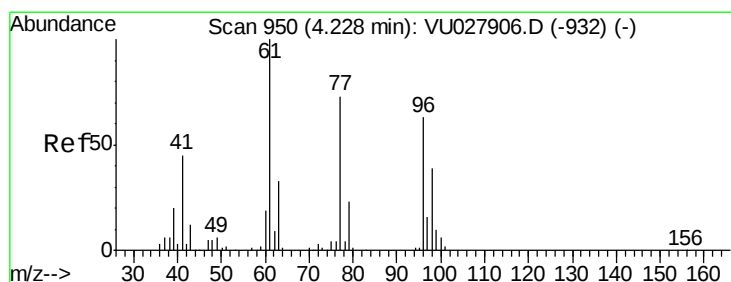
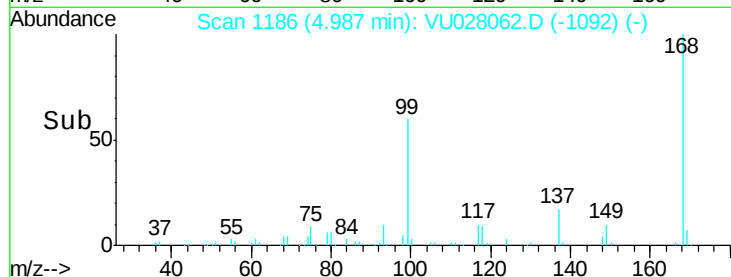
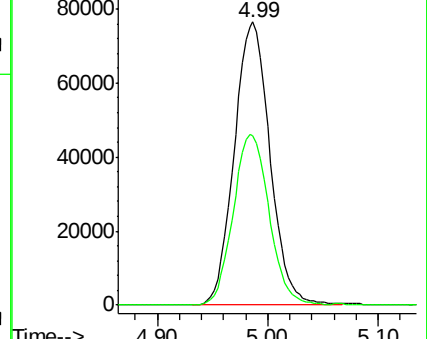
168 100

99 60.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 13.099 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

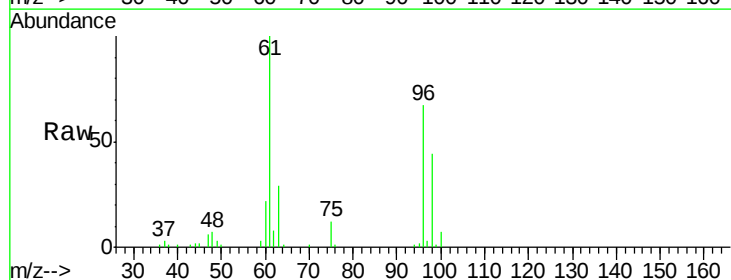
Tgt Ion: 96 Resp: 30501

Ion Ratio Lower Upper

96 100

61 148.7 0.0 329.6

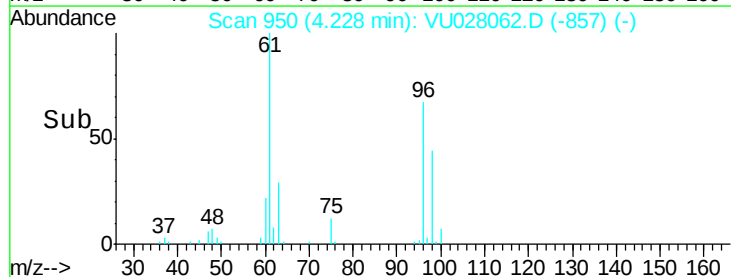
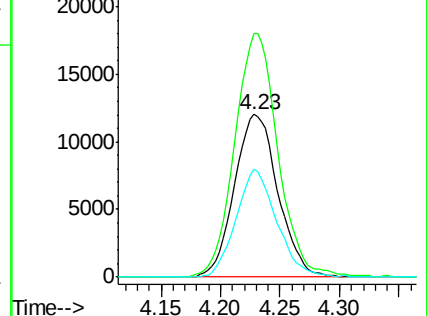
98 61.5 0.0 127.2

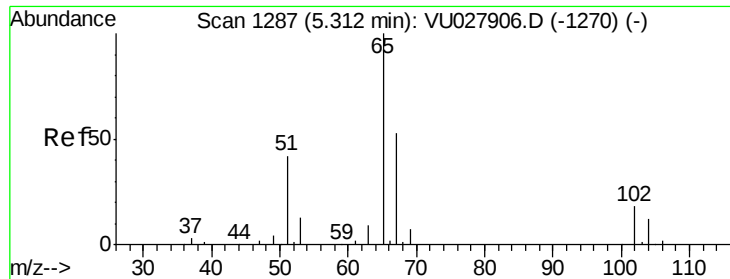


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#33

1,2-Dichloroethane-d4

Concen: 58.952 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA\_U

ClientSampleId :

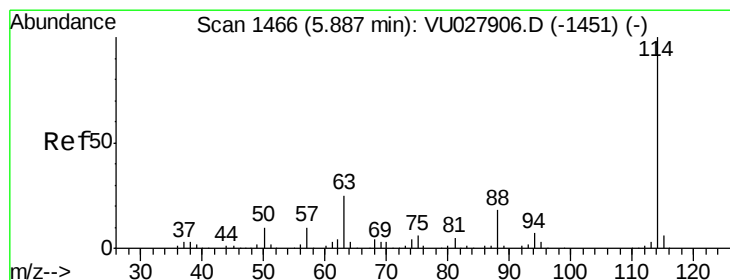
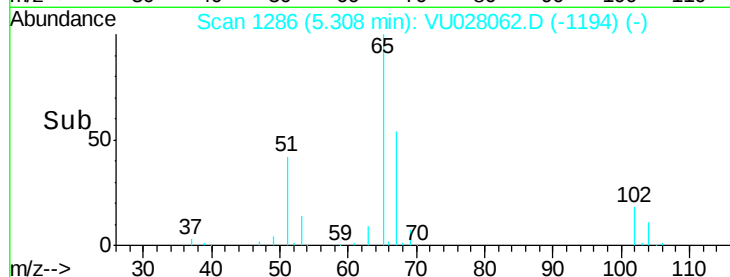
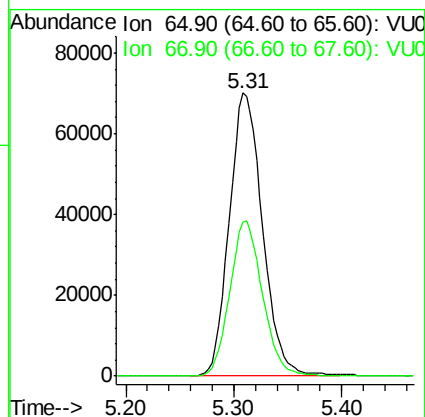
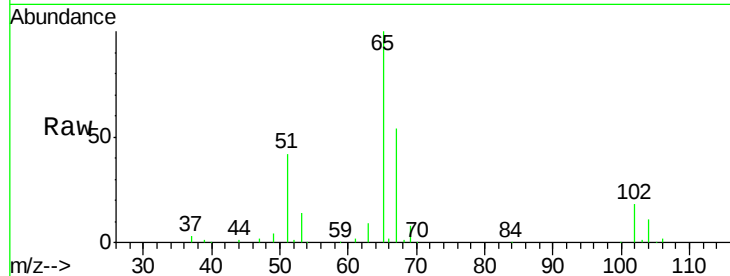
MW-3DL

Tgt Ion: 65 Resp: 150465

Ion Ratio Lower Upper

65 100

67 54.0 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: VU028062.D

Acq: 12 Nov 2018 14:09

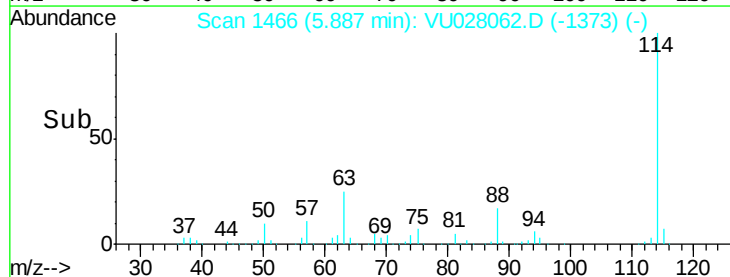
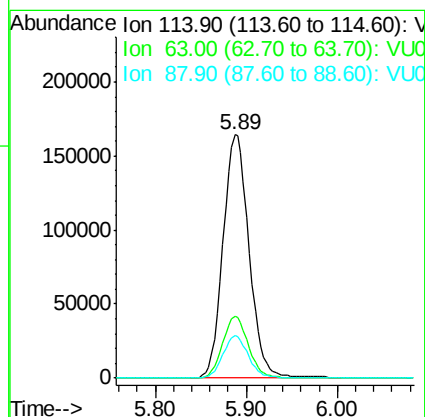
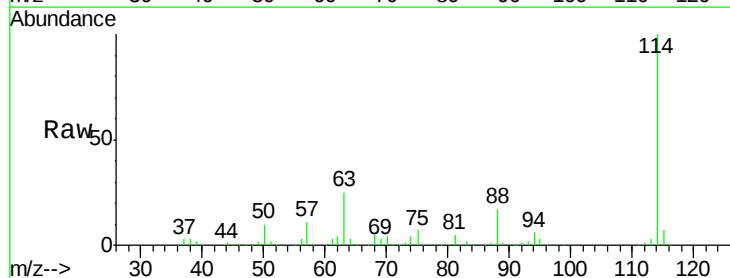
Tgt Ion: 114 Resp: 326969

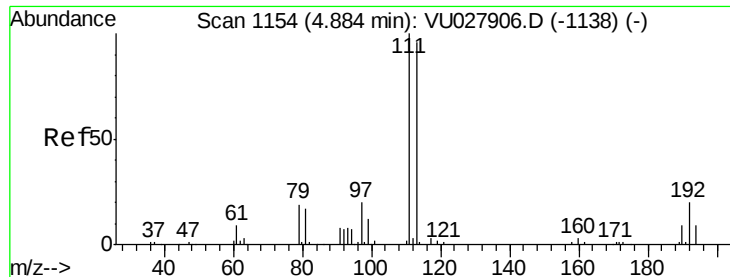
Ion Ratio Lower Upper

114 100

63 25.2 0.0 50.8

88 17.4 0.0 35.8

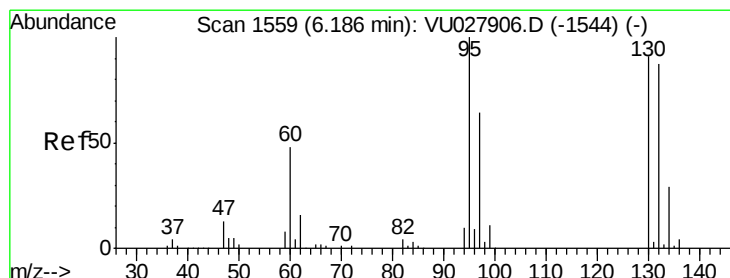
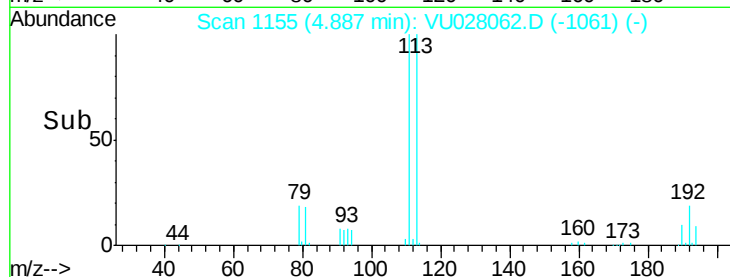
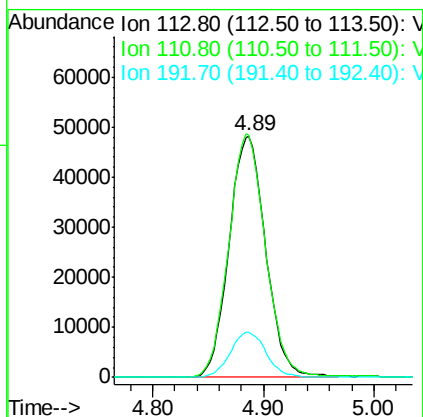
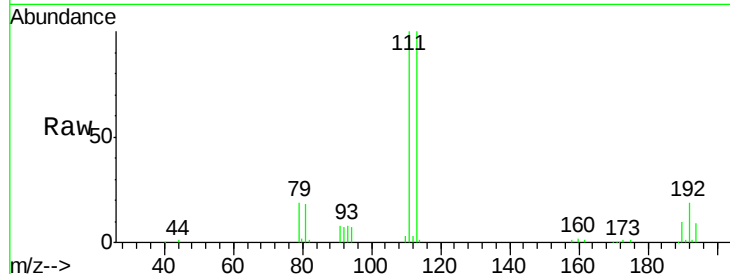




#35  
 Dibromofluoromethane  
 Concen: 53.677 ug/l  
 RT: 4.89 min Scan# 1155  
 Delta R.T. 0.00 min  
 Lab File: VU028062.D  
 Acq: 12 Nov 2018 14:09

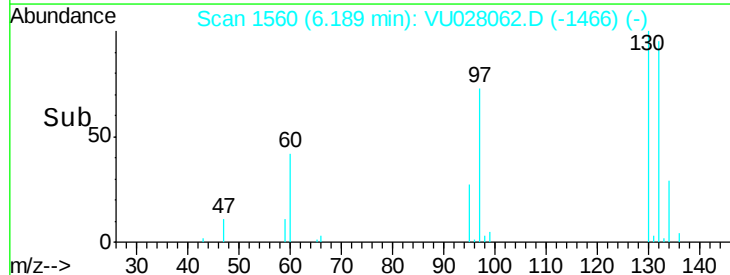
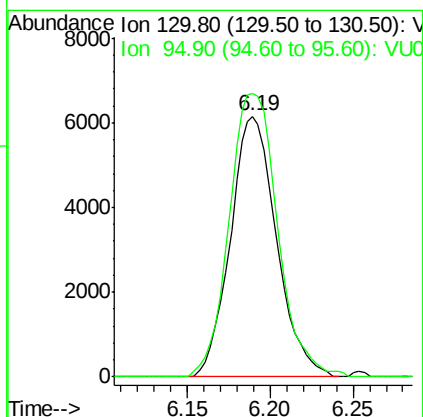
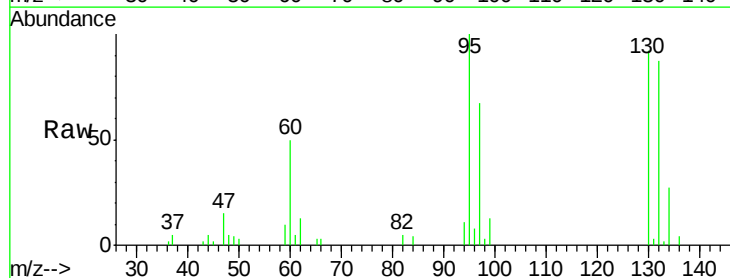
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-3DL

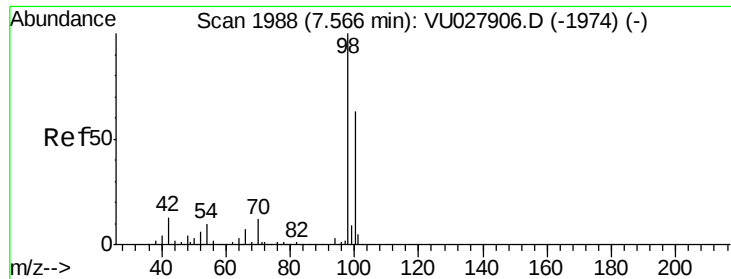
Tgt Ion:113 Resp: 110661  
 Ion Ratio Lower Upper  
 113 100  
 111 101.3 83.0 124.6  
 192 18.4 15.6 23.4



#44  
 Trichloroethene  
 Concen: 5.280 ug/l  
 RT: 6.19 min Scan# 1560  
 Delta R.T. 0.00 min  
 Lab File: VU028062.D  
 Acq: 12 Nov 2018 14:09

Tgt Ion:130 Resp: 11883  
 Ion Ratio Lower Upper  
 130 100  
 95 108.7 0.0 219.2





#50

Toluene-d8

Concen: 53.781 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA\_U

ClientSampleId :

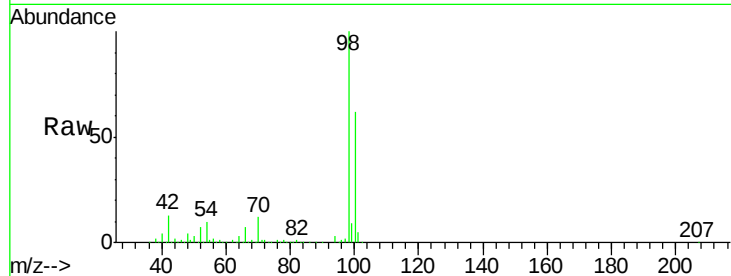
MW-3DL

Tgt Ion: 98 Resp: 428297

Ion Ratio Lower Upper

98 100

100 62.9 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

250000

200000

150000

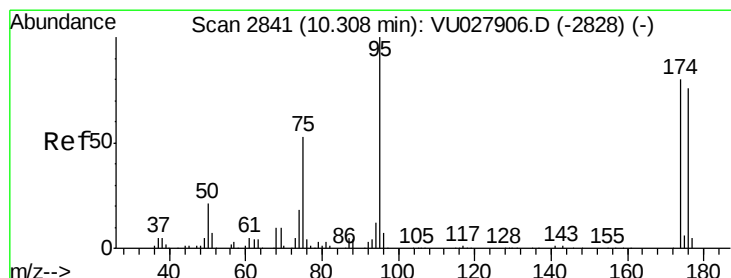
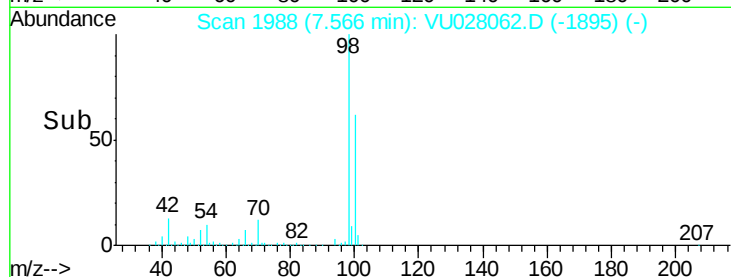
100000

50000

0

7.50 7.60 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 45.332 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028062.D

Acq: 12 Nov 2018 14:09

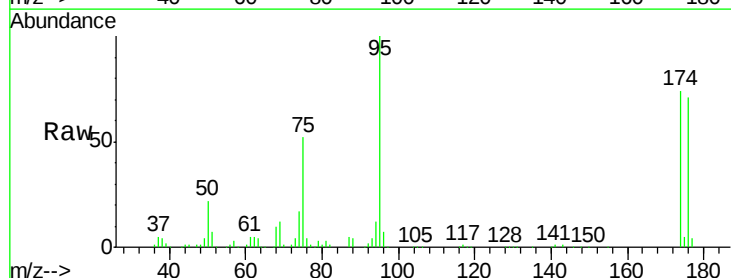
Tgt Ion: 95 Resp: 133157

Ion Ratio Lower Upper

95 100

174 74.5 0.0 156.4

176 71.4 0.0 150.8



Abundance Ion 94.90 (94.60 to 95.60): VU027906.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027906.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027906.D (-2828) (-)

10.31

100000

80000

60000

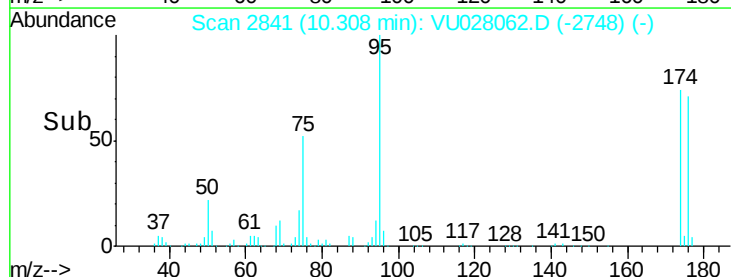
40000

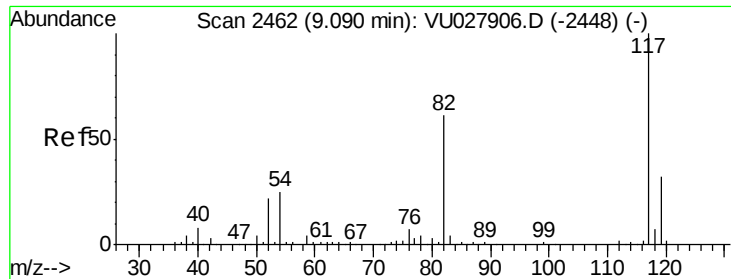
20000

0

10.20 10.30 10.40

Time-->

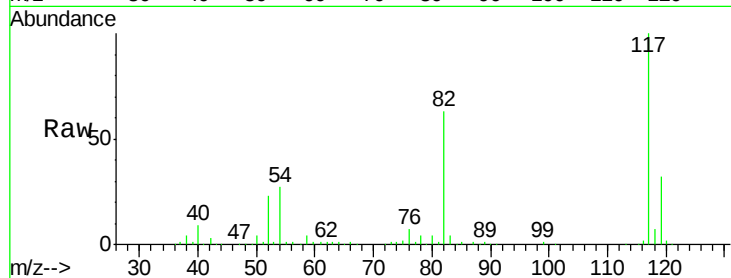




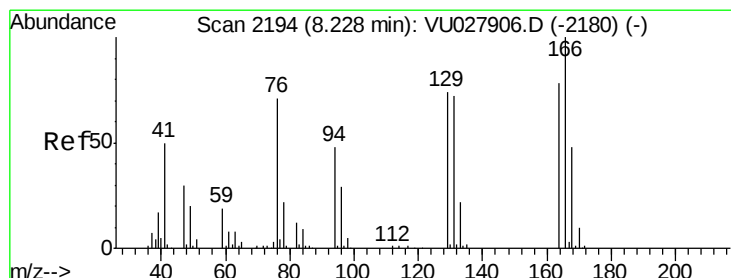
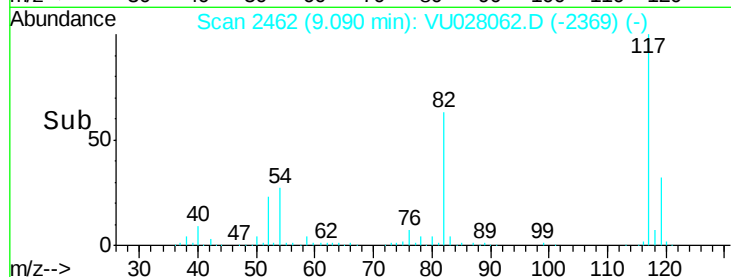
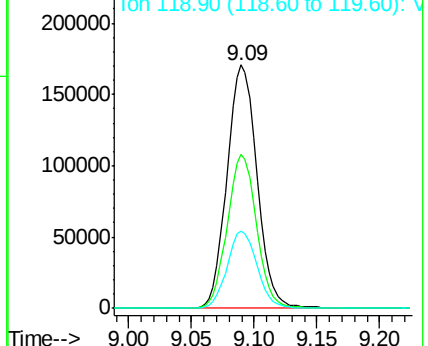
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VU028062.D  
Acq: 12 Nov 2018 14:09

Instrument :  
MSVOA\_U  
ClientSampled :  
MW-3DL

Tgt Ion:117 Resp: 284007  
Ion Ratio Lower Upper  
117 100  
82 63.1 48.6 73.0  
119 31.9 25.8 38.8



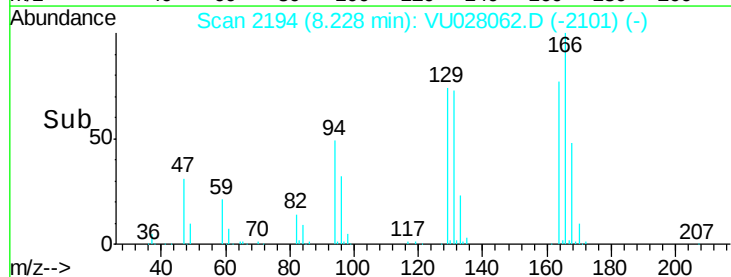
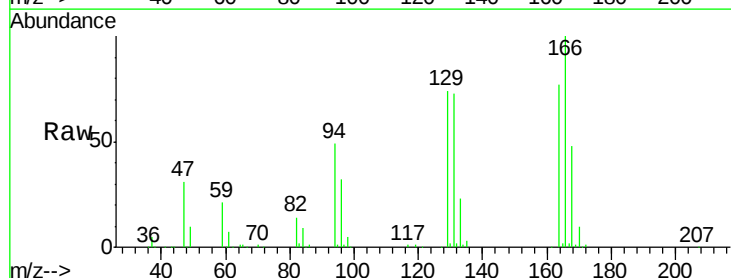
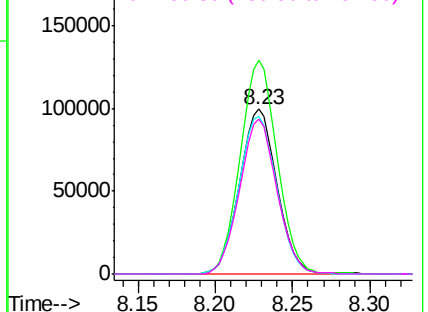
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

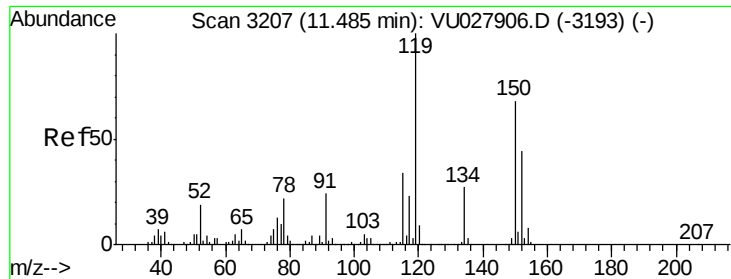


#64  
Tetrachloroethene  
Concen: 90.974 ug/l  
RT: 8.23 min Scan# 2194  
Delta R.T. 0.00 min  
Lab File: VU028062.D  
Acq: 12 Nov 2018 14:09

Tgt Ion:164 Resp: 167536  
Ion Ratio Lower Upper  
164 100  
166 129.5 102.1 153.1  
129 95.6 75.9 113.9  
131 94.1 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: VU028062.D

Acq: 12 Nov 2018 14:09

Instrument :

MSVOA\_U

ClientSampleId :

MW-3DL

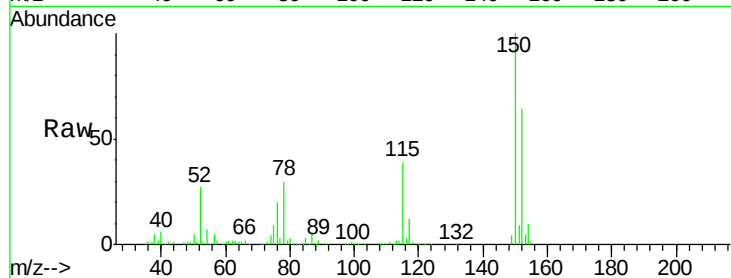
Tgt Ion:152 Resp: 103414

Ion Ratio Lower Upper

152 100

115 60.5 43.0 129.0

150 153.4 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

