

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU011019\  
 Data File : VU029128.D  
 Acq On : 10 Jan 2019 19:31  
 Operator : MD/SY  
 Sample : K1123-03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPGP-03

Quant Time: Jan 11 04:13:43 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

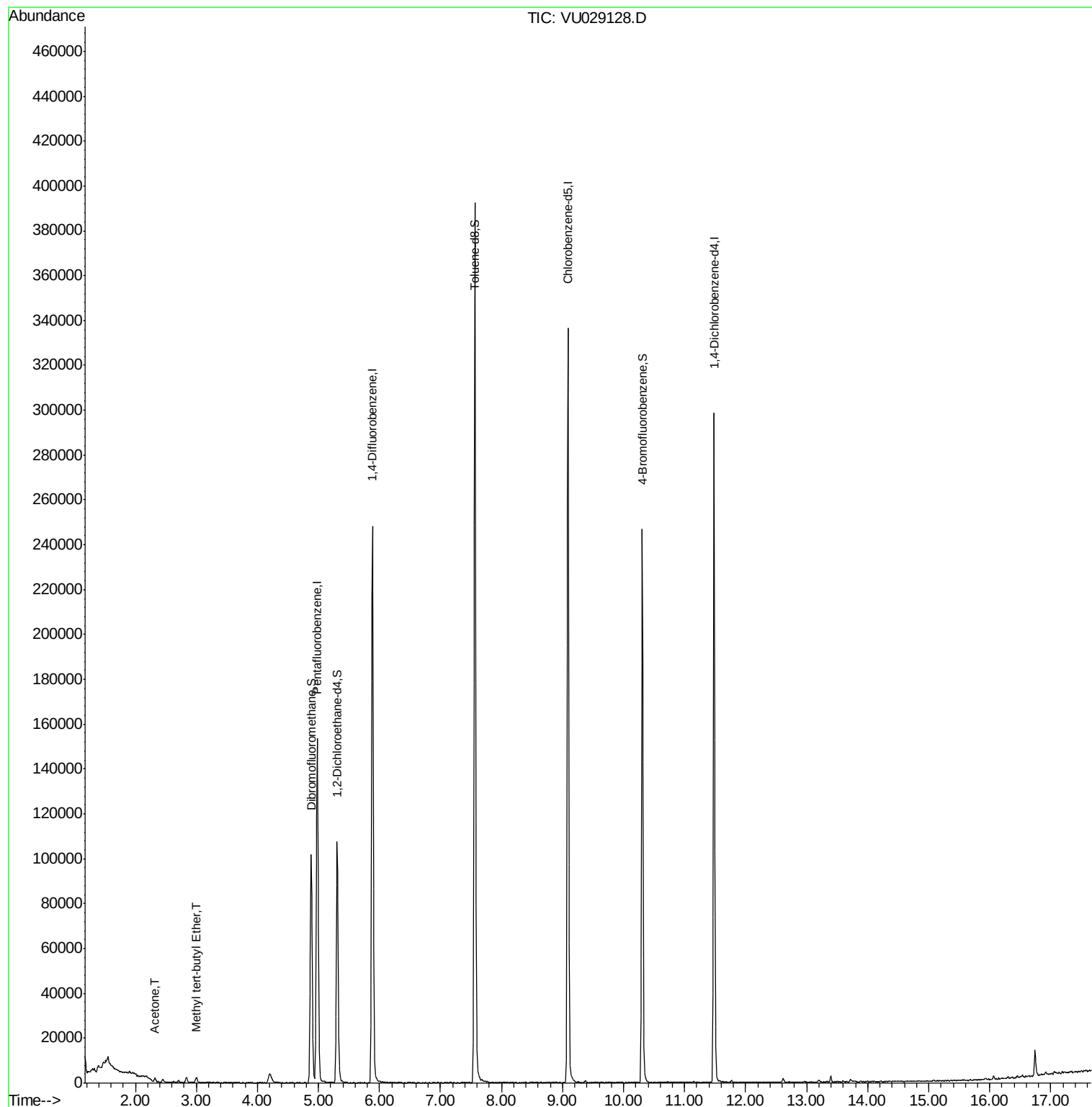
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 4.98  | 168  | 126262   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.88  | 114  | 216681   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 9.09  | 117  | 198209   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.48 | 152  | 80510    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 83378    | 53.42 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.84% |          |
| 35) Dibromofluoromethane    | 4.88  | 113  | 72899    | 51.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.80% |          |
| 50) Toluene-d8              | 7.56  | 98   | 272995   | 49.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.46%  |          |
| 62) 4-Bromofluorobenzene    | 10.30 | 95   | 87467    | 43.89 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.78%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.32  | 43   | 1971     | 2.005 | ug/l    | 99       |
| 19) Methyl tert-butyl Ether | 3.00  | 73   | 2945     | 0.640 | ug/l    | 92       |

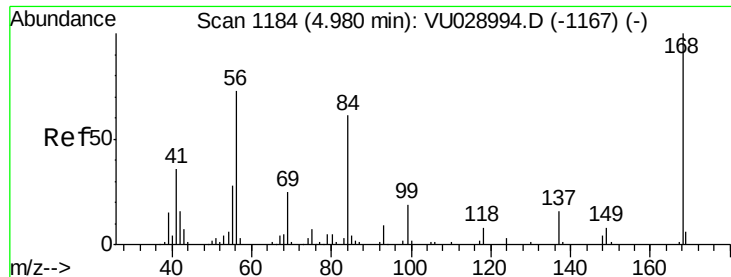
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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CPGP-03

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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# 1184

Delta R.T. 0.00 min

Lab File: VU029128.D

Acq: 10 Jan 2019 19:31

Instrument :

MSVOA\_U

ClientSampleId :

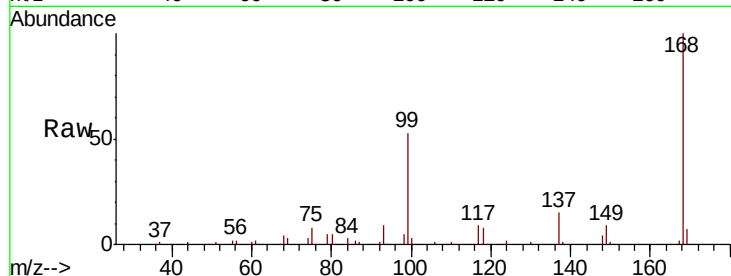
CPGP-03

Tgt Ion:168 Resp: 126262

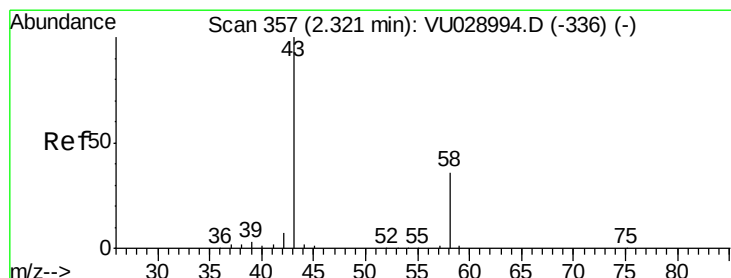
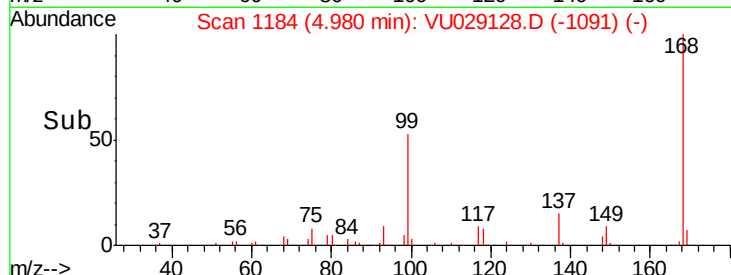
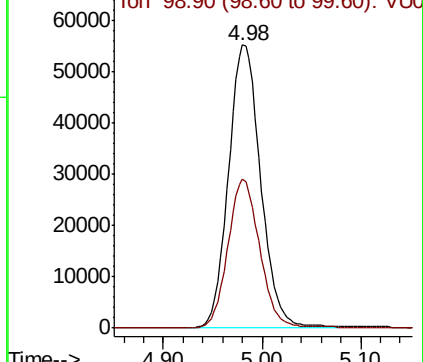
Ion Ratio Lower Upper

168 100

99 52.5 42.0 63.0



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



#16

Acetone

Concen: 2.005 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029128.D

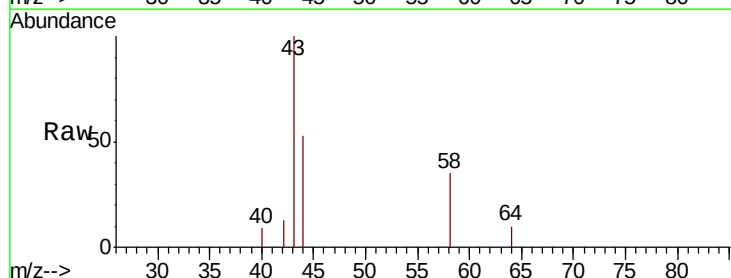
Acq: 10 Jan 2019 19:31

Tgt Ion: 43 Resp: 1971

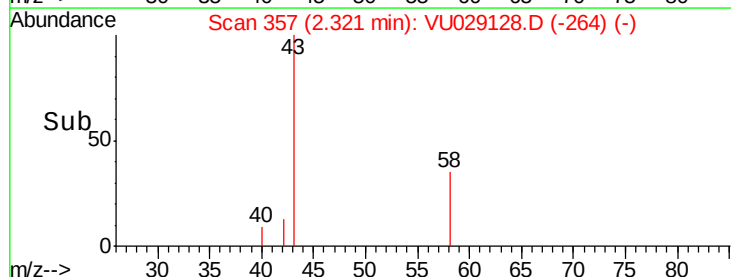
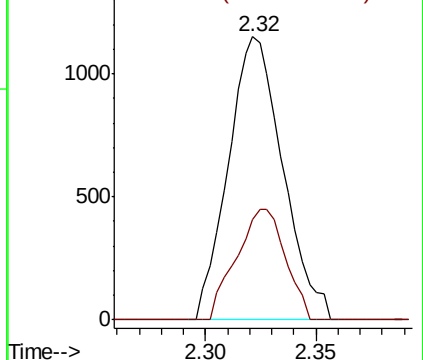
Ion Ratio Lower Upper

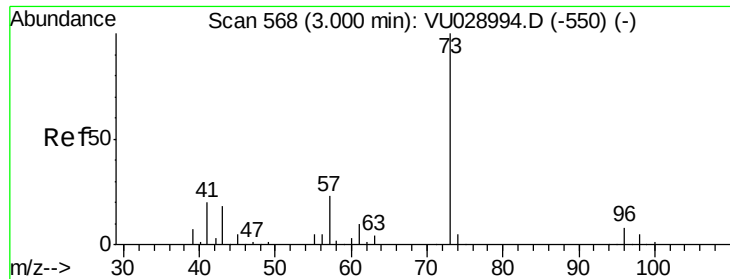
43 100

58 35.4 28.6 42.8



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



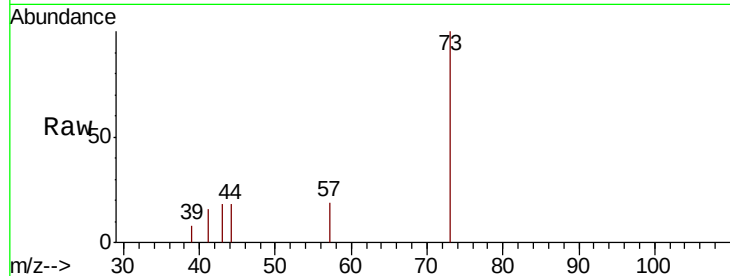


#19

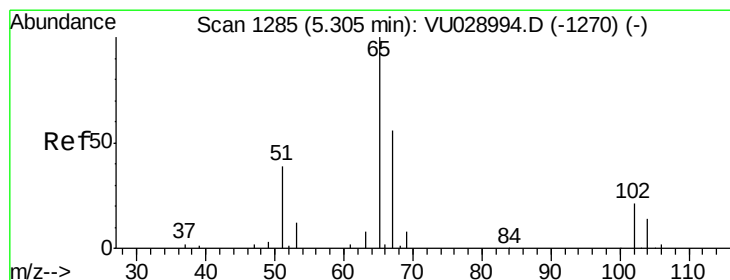
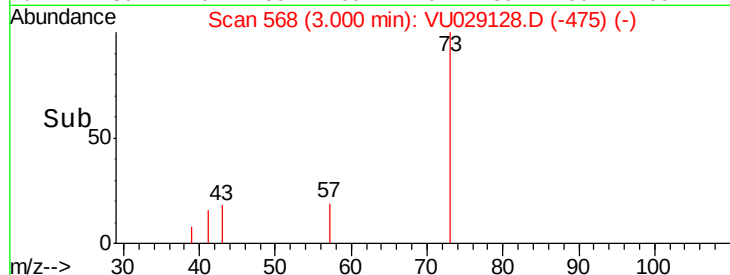
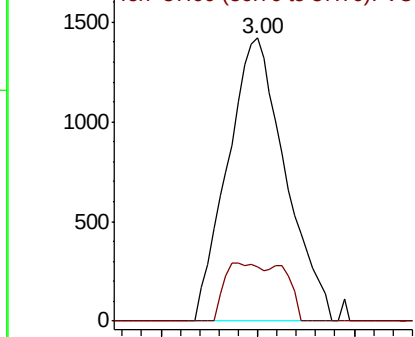
Methyl tert-butyl Ether  
 Concen: 0.640 ug/l  
 RT: 3.00 min Scan# 568  
 Delta R.T. 0.00 min  
 Lab File: VU029128.D  
 Acq: 10 Jan 2019 19:31

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 CPGP-03

Tgt Ion: 73 Resp: 2945  
 Ion Ratio Lower Upper  
 73 100  
 57 19.2 18.6 28.0



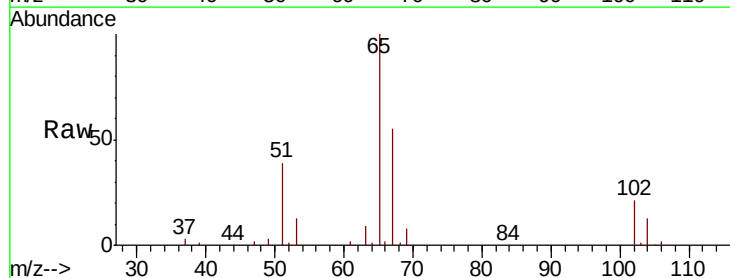
Abundance Ion 73.00 (72.70 to 73.70): VU0  
 Ion 57.00 (56.70 to 57.70): VU0



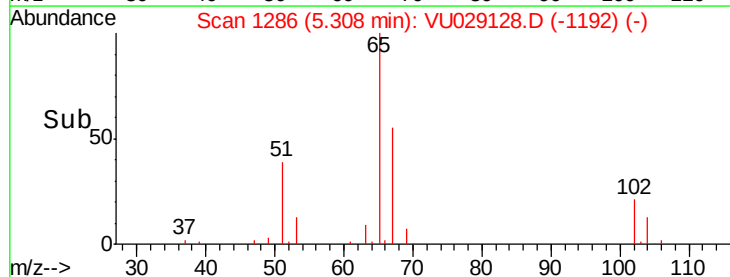
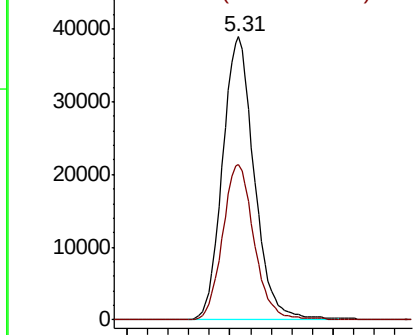
#33

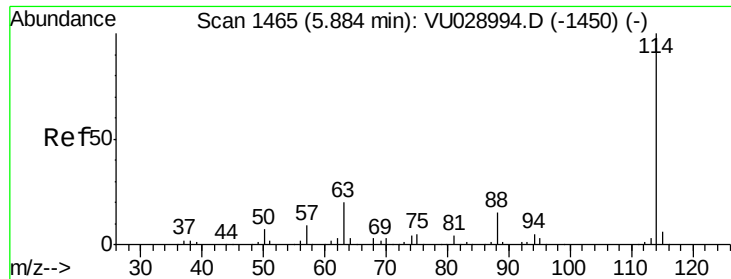
1,2-Dichloroethane-d4  
 Concen: 53.418 ug/l  
 RT: 5.31 min Scan# 1286  
 Delta R.T. 0.00 min  
 Lab File: VU029128.D  
 Acq: 10 Jan 2019 19:31

Tgt Ion: 65 Resp: 83378  
 Ion Ratio Lower Upper  
 65 100  
 67 54.4 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0  
 Ion 66.90 (66.60 to 67.60): VU0

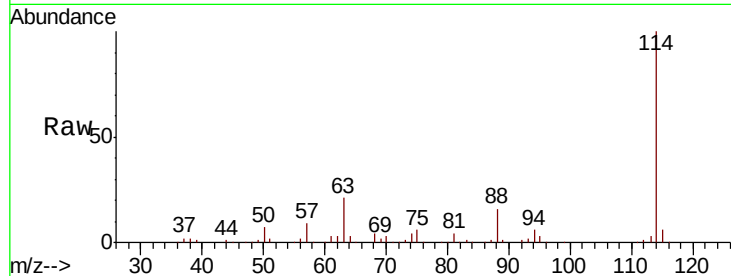




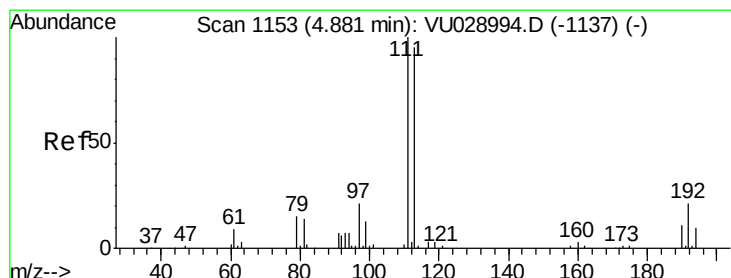
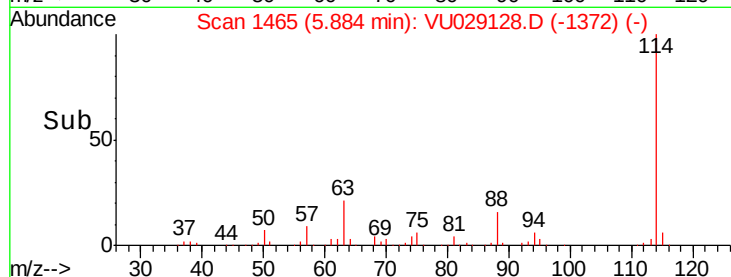
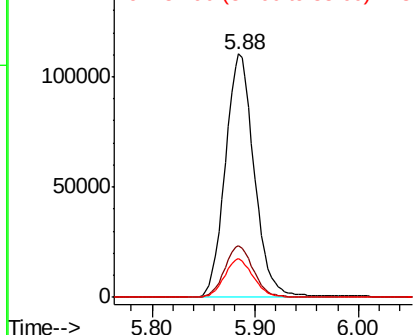
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.88 min Scan# 1465  
 Delta R.T. 0.00 min  
 Lab File: VU029128.D  
 Acq: 10 Jan 2019 19:31

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 CPGP-03

Tgt Ion:114 Resp: 216681  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 40.2  
 88 16.0 0.0 30.4

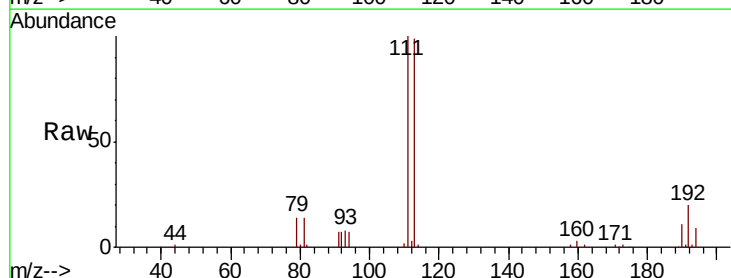


Abundance Ion 113.90 (113.60 to 114.60): V  
 150000 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

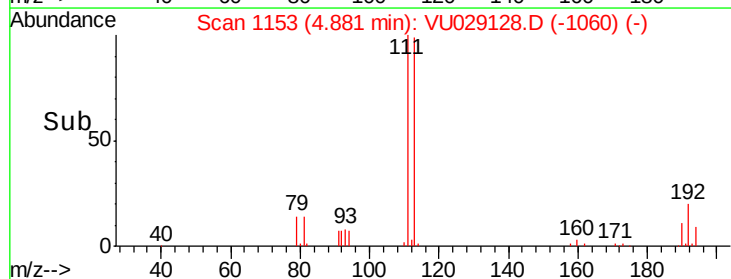
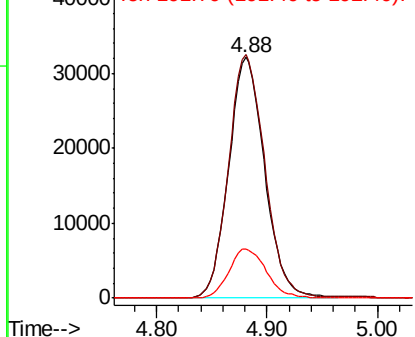


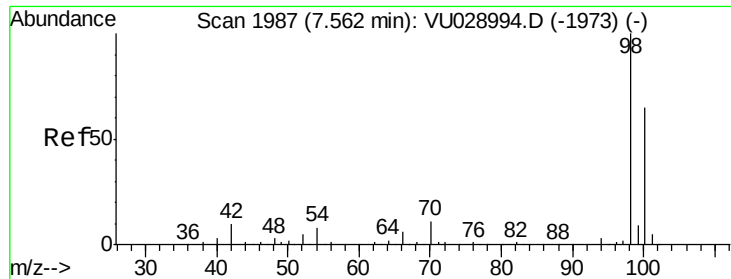
#35  
 Dibromofluoromethane  
 Concen: 51.901 ug/l  
 RT: 4.88 min Scan# 1153  
 Delta R.T. 0.00 min  
 Lab File: VU029128.D  
 Acq: 10 Jan 2019 19:31

Tgt Ion:113 Resp: 72899  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 81.4 122.2  
 192 21.3 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V  
 40000 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.231 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VU029128.D

Acq: 10 Jan 2019 19:31

Instrument :

MSVOA\_U

ClientSampleId :

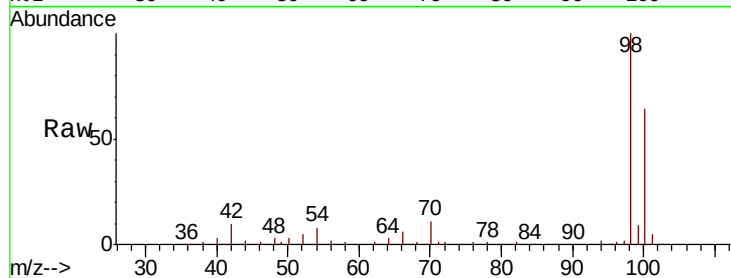
CPGP-03

Tgt Ion: 98 Resp: 272995

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

7.56

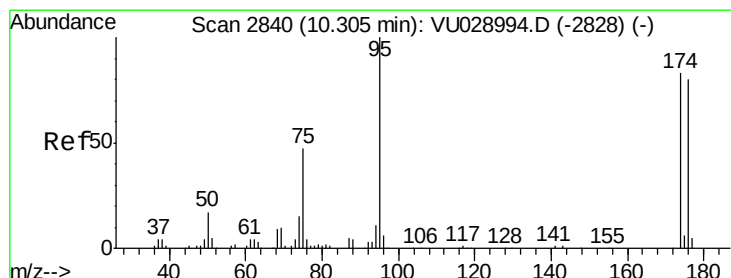
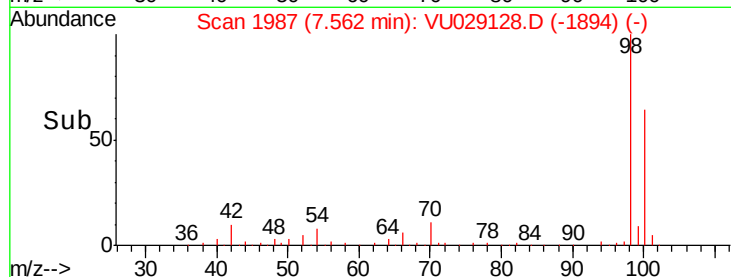
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.891 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029128.D

Acq: 10 Jan 2019 19:31

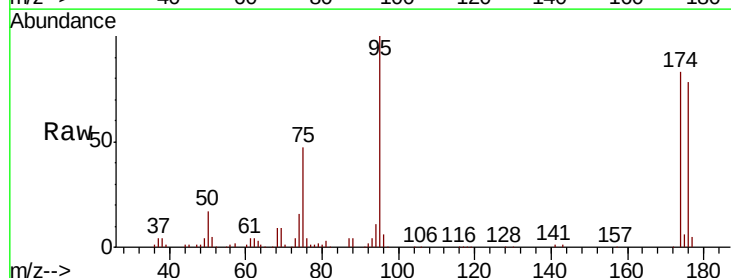
Tgt Ion: 95 Resp: 87467

Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

176 80.1 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU028994.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028994.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028994.D (-2828) (-)

10.30

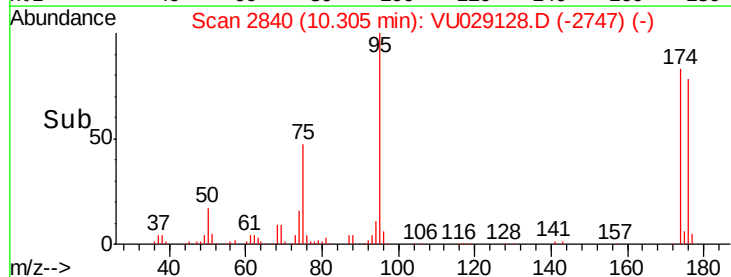
60000

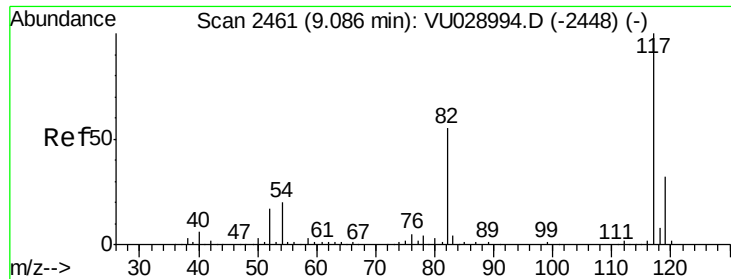
40000

20000

0

Time-->

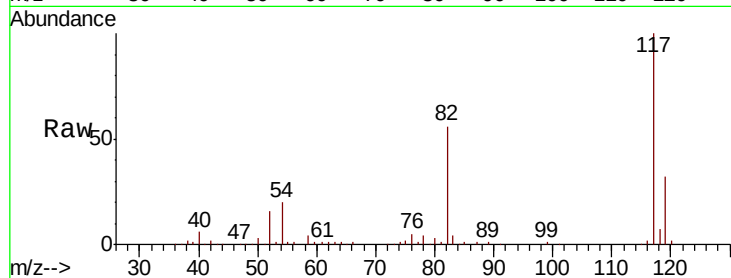




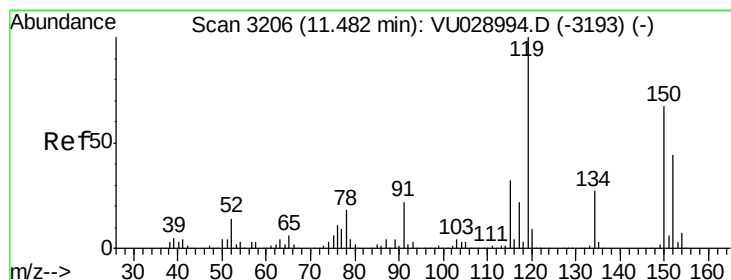
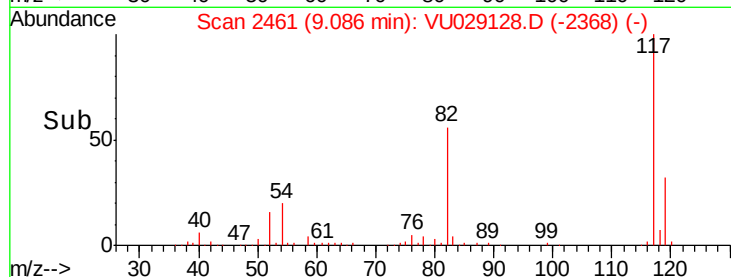
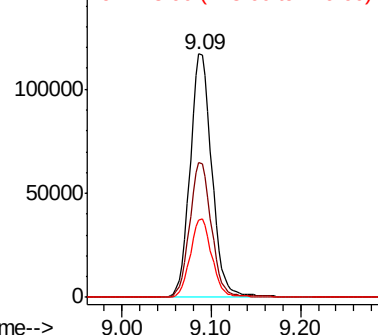
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2461  
Delta R.T. 0.00 min  
Lab File: VU029128.D  
Acq: 10 Jan 2019 19:31

Instrument :  
MSVOA\_U  
ClientSampleId :  
CPGP-03

Tgt Ion:117 Resp: 198209  
Ion Ratio Lower Upper  
117 100  
82 55.6 43.9 65.9  
119 31.7 26.0 39.0

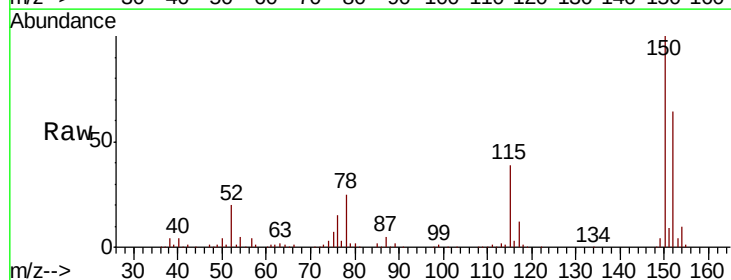


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3206  
Delta R.T. 0.00 min  
Lab File: VU029128.D  
Acq: 10 Jan 2019 19:31

Tgt Ion:152 Resp: 80510  
Ion Ratio Lower Upper  
152 100  
115 57.9 40.1 120.3  
150 156.1 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

