

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\  
 Data File : VU027416.D  
 Acq On : 04 Oct 2018 18:27  
 Operator : MD/SY  
 Sample : J5237-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-GW

Quant Time: Oct 08 10:54:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 02 02:04:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 123433   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 208509   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 200809   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 109923   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65  | 112996   | 54.82 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.64% |      |
| 35) Dibromofluoromethane    | 4.88   | 113 | 82806    | 57.95 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.90% |      |
| 50) Toluene-d8              | 7.57   | 98  | 320656   | 59.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 119.92% |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 115219   | 57.97 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 115.94% |      |

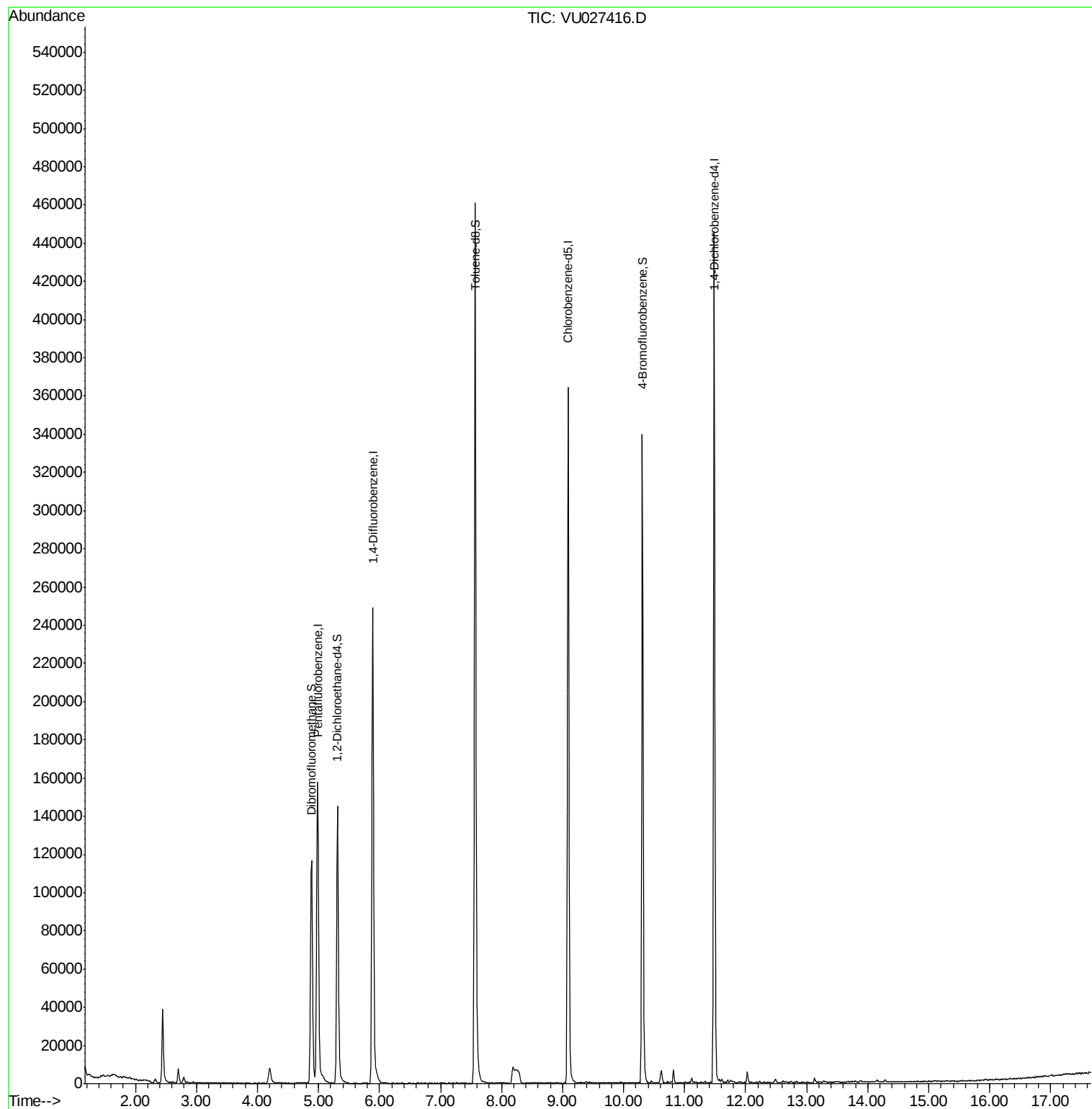
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

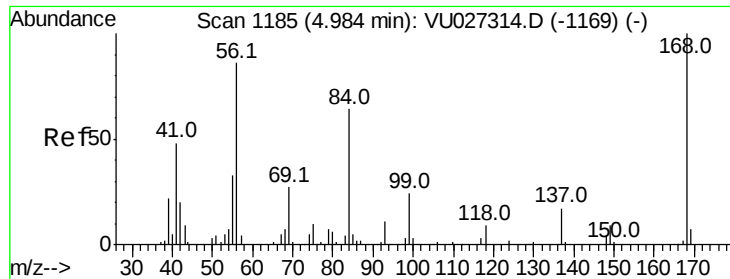
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\  
Data File : VU027416.D  
Acq On : 04 Oct 2018 18:27  
Operator : MD/SY  
Sample : J5237-07  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-GW

Quant Time: Oct 08 10:54:15 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U100118W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 02 02:04:34 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: VU027416.D

Acq: 04 Oct 2018 18:27

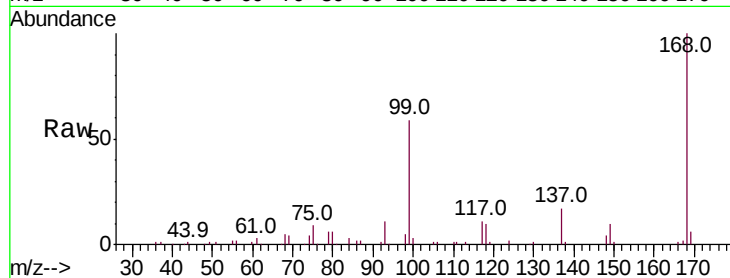
Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-GW

Tot Ion:168 Resp: 123433

Ion Ratio Lower Upper

168 100

99 59.4 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

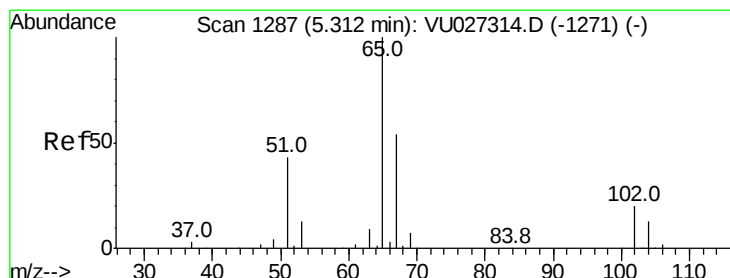
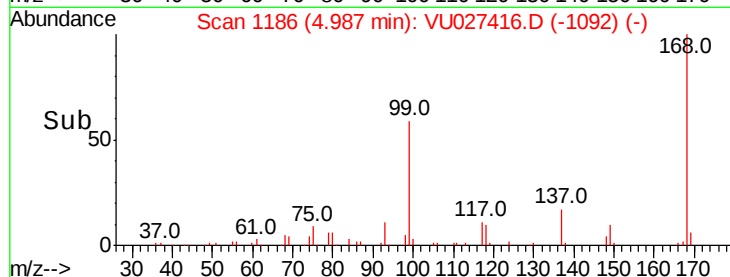
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.823 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027416.D

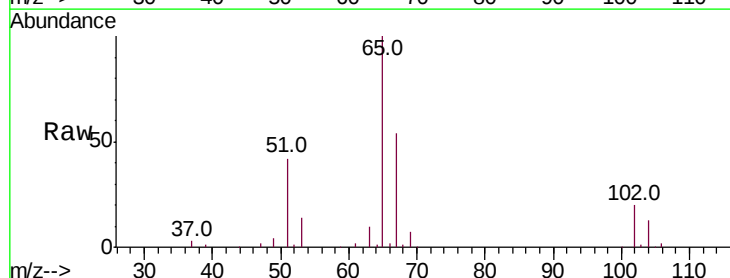
Acq: 04 Oct 2018 18:27

Tgt Ion: 65 Resp: 112996

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU027314.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU027314.D (-1271) (-)

5.31

60000

50000

40000

30000

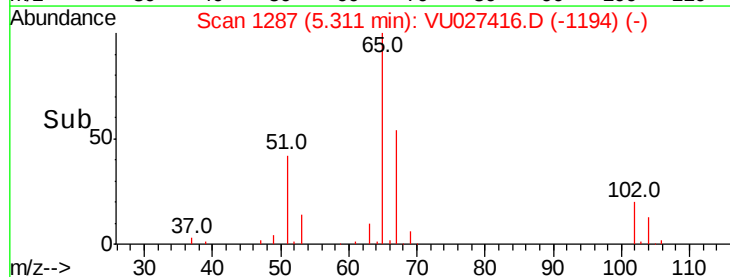
20000

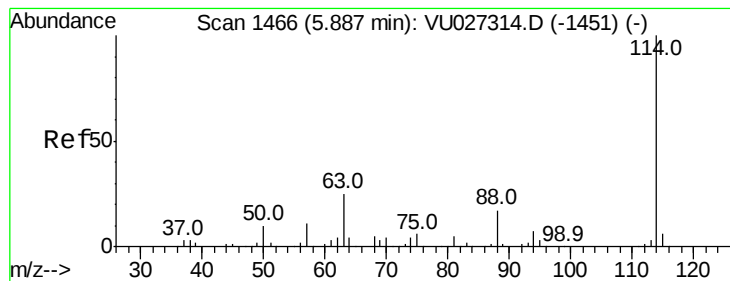
10000

0

5.20 5.30 5.40 5.50

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027416.D

Acq: 04 Oct 2018 18:27

Instrument :

MSVOA\_U

ClientSampled :

TRIP-GW

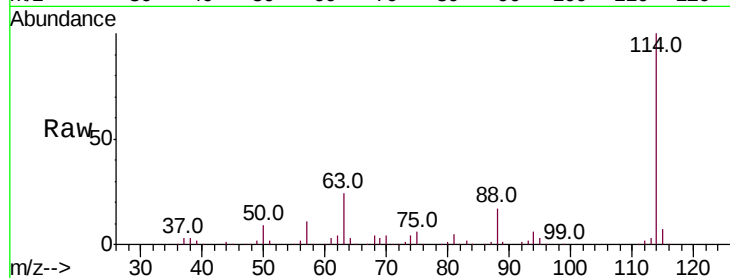
Tot Ion:114 Resp: 208509

Ion Ratio Lower Upper

114 100

63 24.1 0.0 50.2

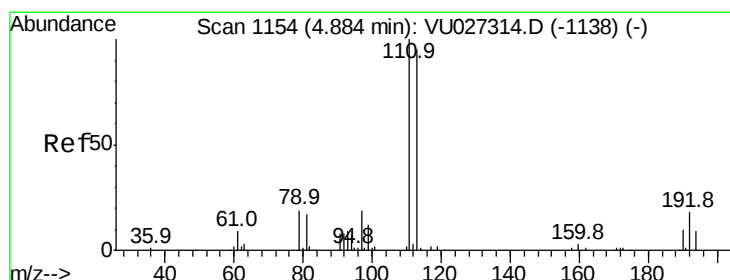
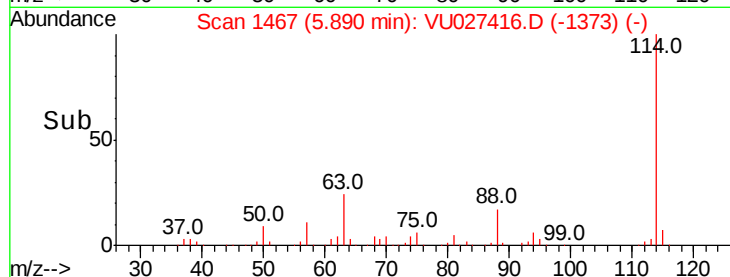
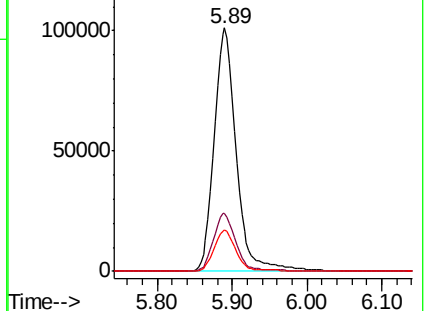
88 17.0 0.0 33.8



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: 57.948 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027416.D

Acq: 04 Oct 2018 18:27

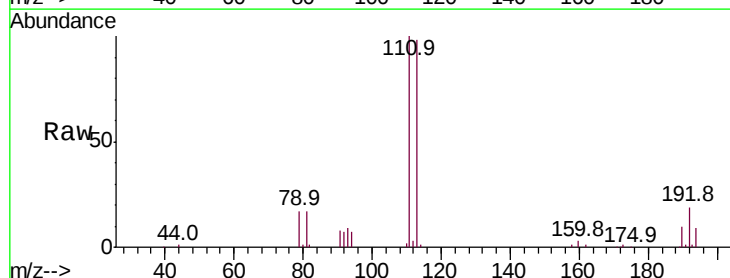
Tgt Ion:113 Resp: 82806

Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

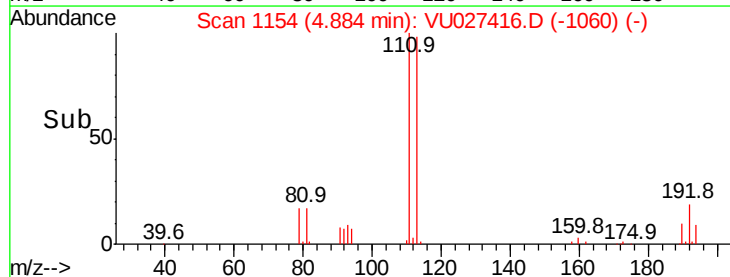
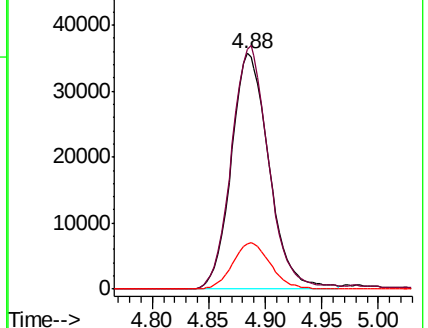
192 19.8 15.4 23.0

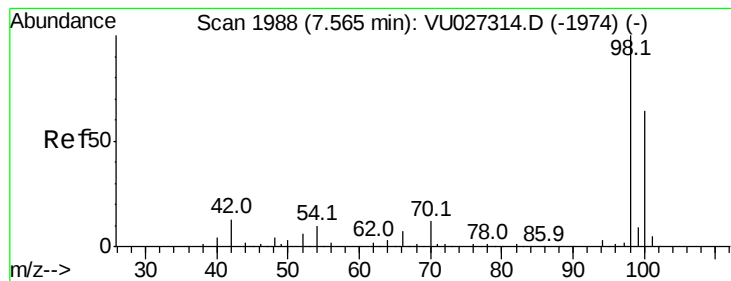


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 59.956 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027416.D

Acq: 04 Oct 2018 18:27

Instrument :

MSVOA\_U

ClientSampleId :

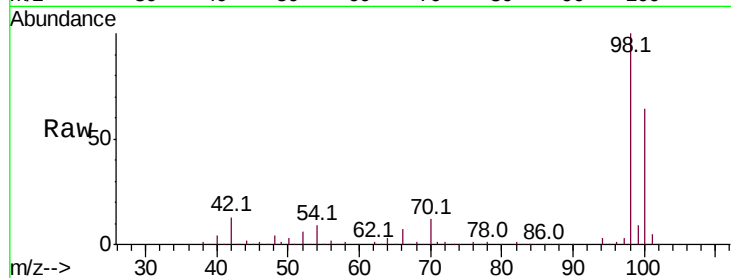
TRIP-GW

Tot Ion: 98 Resp: 320656

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU027314.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027314.D (-1974) (-)

200000

150000

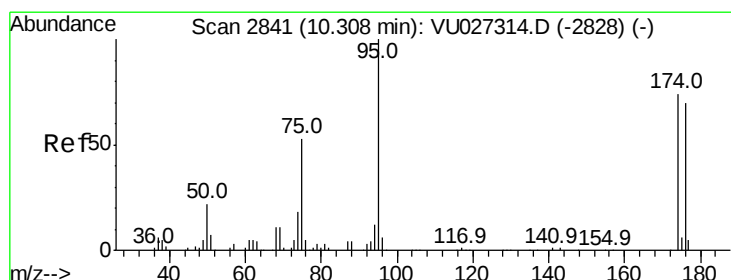
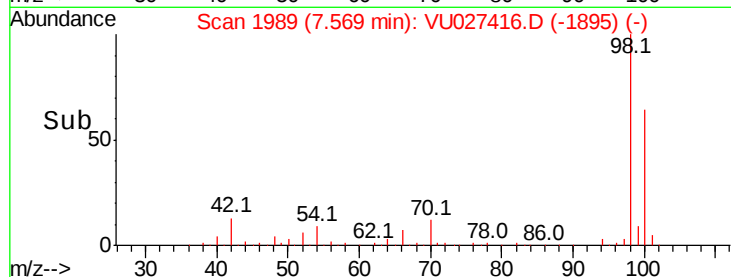
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#62

4-Bromofluorobenzene

Concen: 57.969 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027416.D

Acq: 04 Oct 2018 18:27

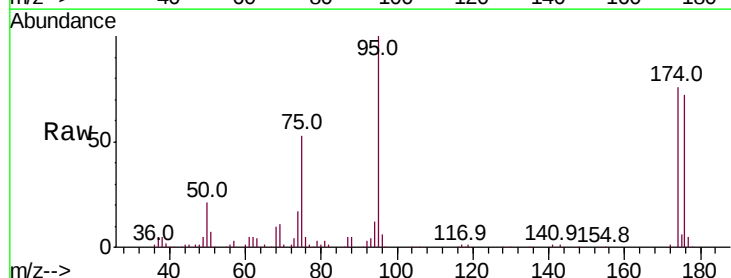
Tgt Ion: 95 Resp: 115219

Ion Ratio Lower Upper

95 100

174 76.1 0.0 147.8

176 72.9 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

80000

60000

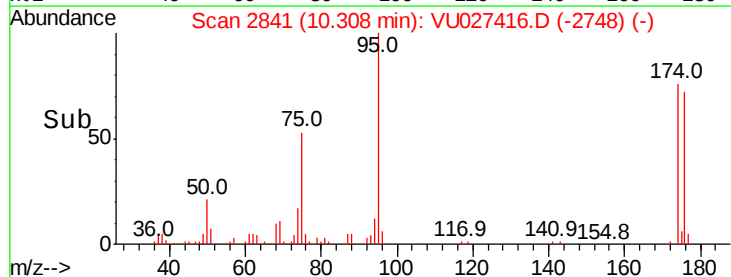
40000

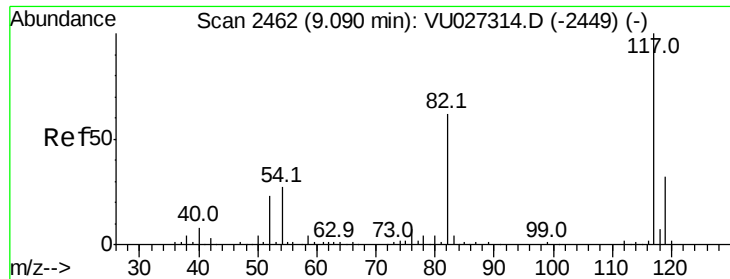
20000

0

10.30 10.31 10.32 10.33 10.34 10.35 10.36 10.37 10.38 10.39 10.40

Time-->

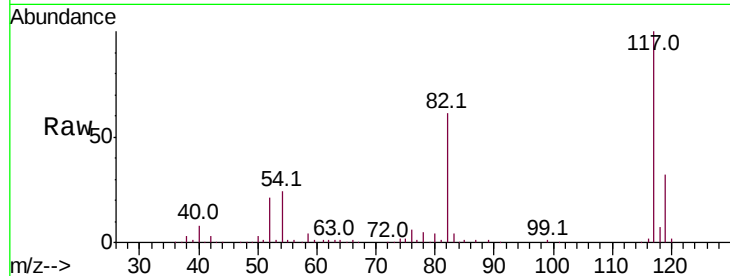




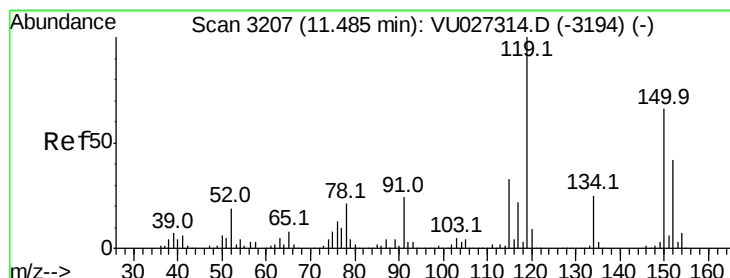
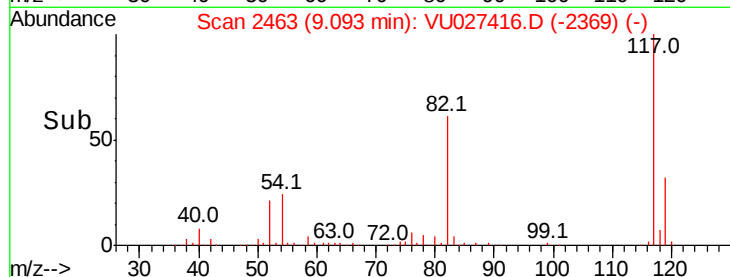
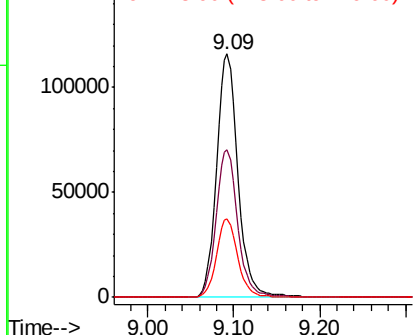
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. 0.00 min  
Lab File: VU027416.D  
Acq: 04 Oct 2018 18:27

Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-GW

Tot Ion:117 Resp: 200809  
Ion Ratio Lower Upper  
117 100  
82 60.5 49.2 73.8  
119 32.1 25.7 38.5

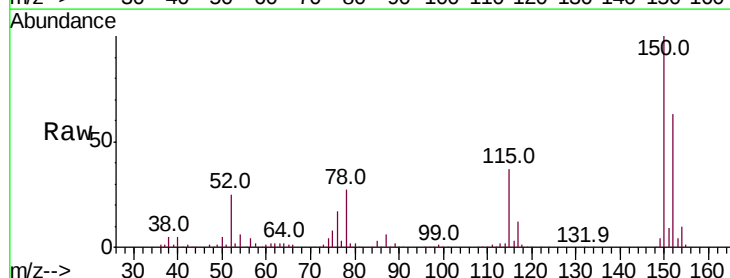


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. -0.00 min  
Lab File: VU027416.D  
Acq: 04 Oct 2018 18:27

Tgt Ion:152 Resp: 109923  
Ion Ratio Lower Upper  
152 100  
115 60.4 43.4 130.2  
150 157.6 0.0 349.2



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

