

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071018\  
 Data File : VU025285.D  
 Acq On : 10 Jul 2018 13:38  
 Operator : MD/SY  
 Sample : J3905-10  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Jul 11 09:16:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U070918W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 10 09:34:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 205261   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 310473   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 286288   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 147786   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 5.31  | 65   | 154648   | 48.49 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 96.98% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 121392   | 46.35 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 92.70% |          |
| 50) Toluene-d8              | 7.57  | 98   | 440614   | 49.13 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 98.26% |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 161731   | 44.79 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 89.58% |          |

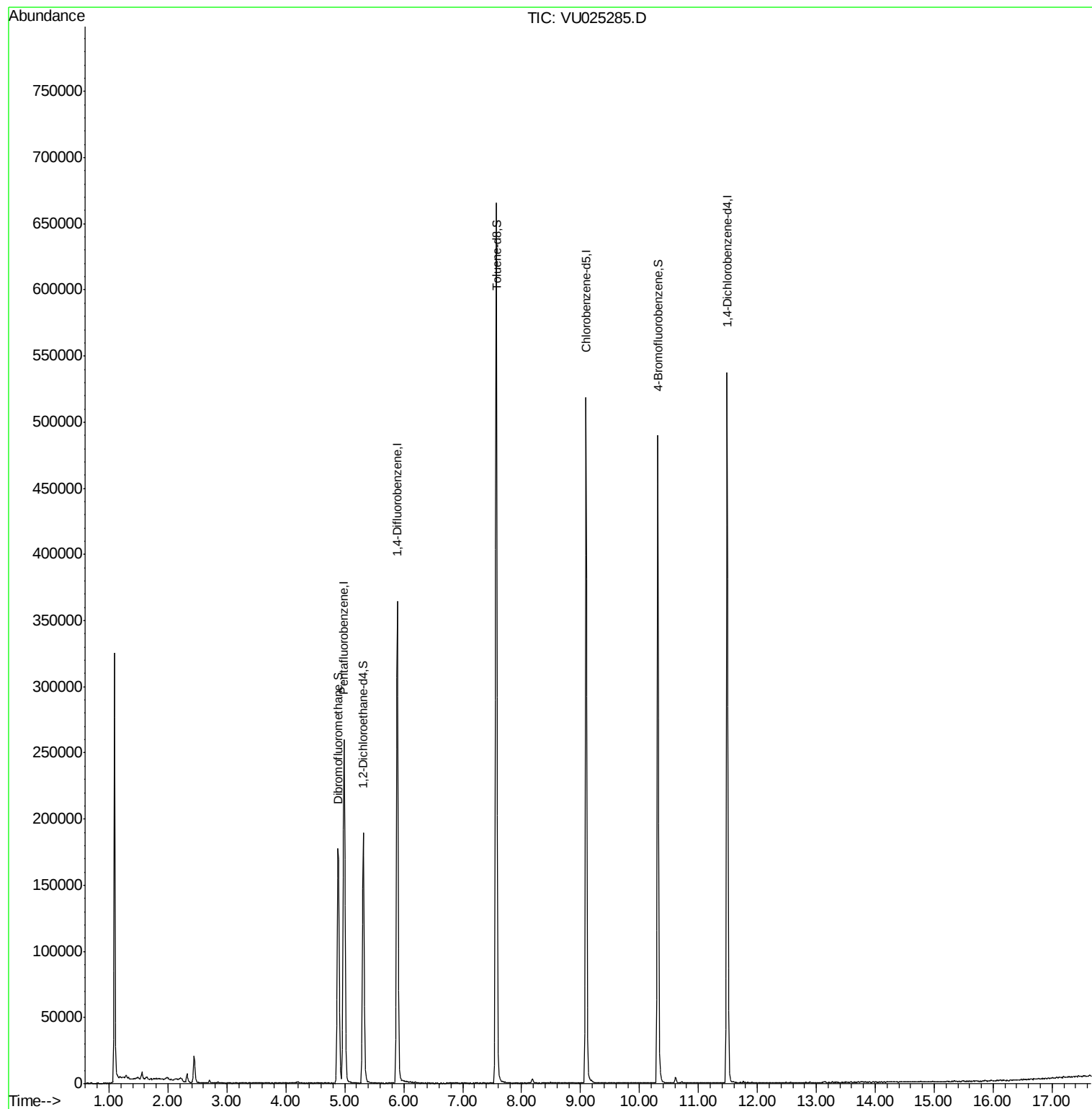
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

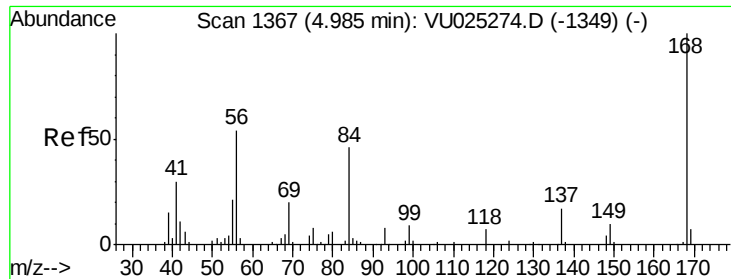
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU071018\  
Data File : VU025285.D  
Acq On : 10 Jul 2018 13:38  
Operator : MD/SY  
Sample : J3905-10  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

Quant Time: Jul 11 09:16:25 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\82U070918W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 10 09:34:16 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA\_U

ClientSampleId :

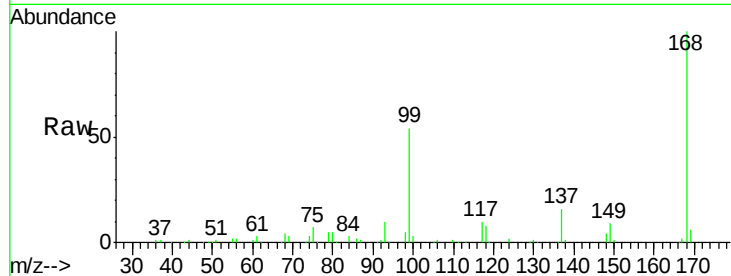
TRIP-BLANK

Tot Ion:168 Resp: 205261

Ion Ratio Lower Upper

168 100

99 53.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

100000

80000

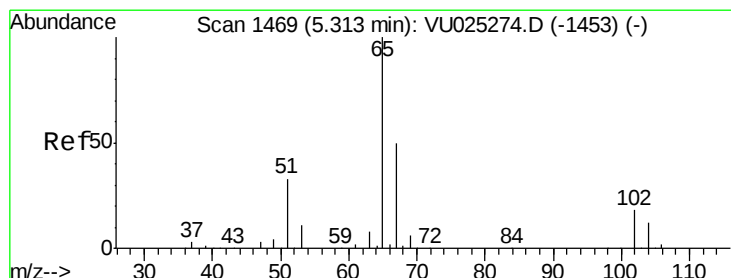
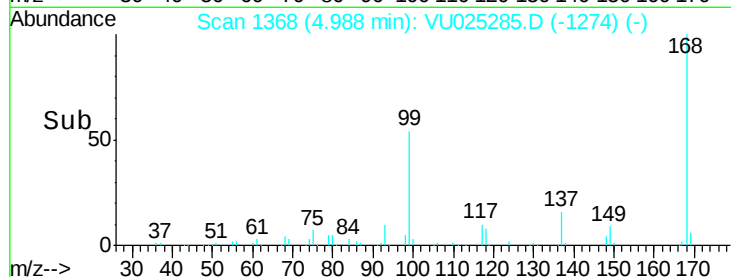
60000

40000

20000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.49 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025285.D

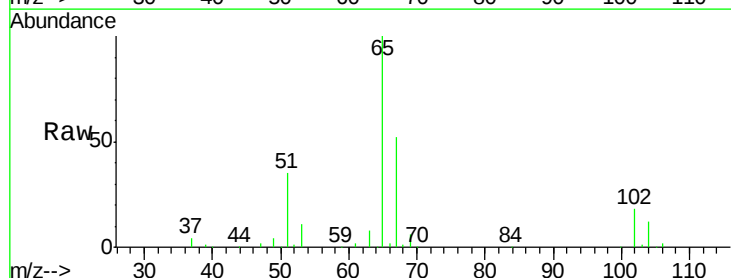
Acq: 10 Jul 2018 13:38

Tgt Ion: 65 Resp: 154648

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025274.D (-1453) (-)

Ion 66.90 (66.60 to 67.60): VU025274.D (-1453) (-)

5.31

80000

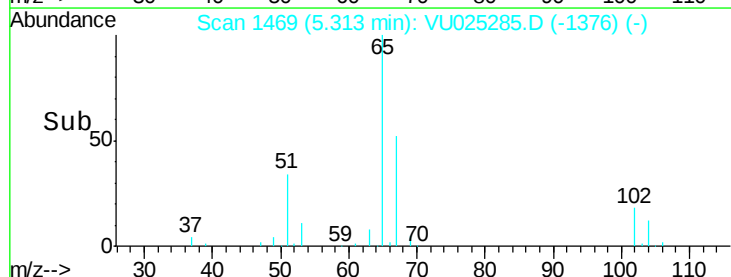
60000

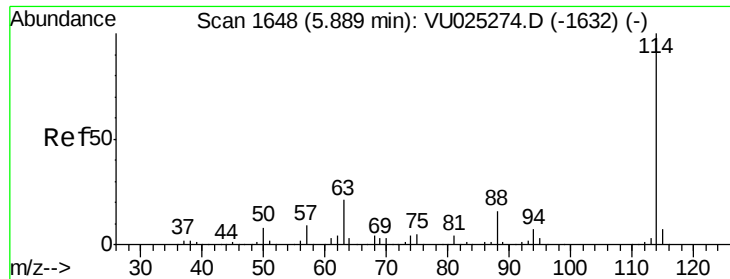
40000

20000

0

Time-->

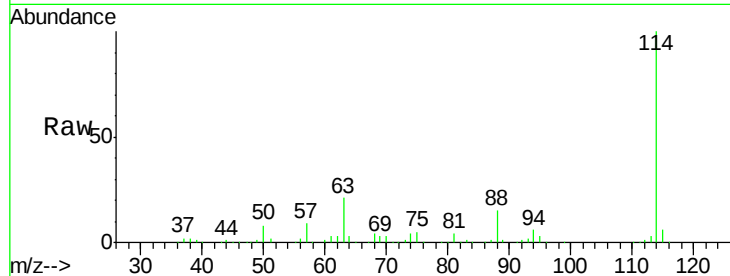




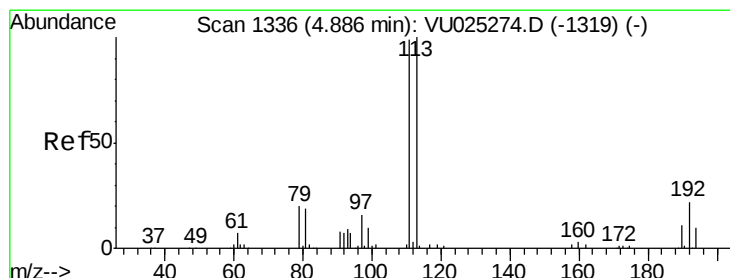
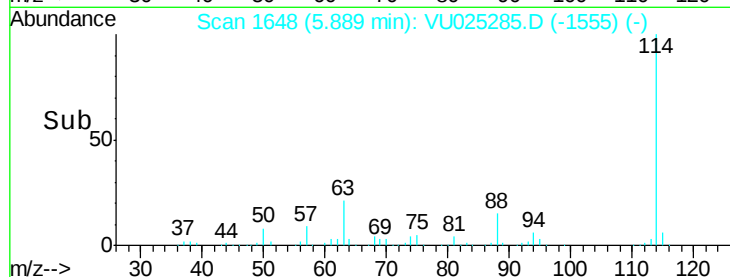
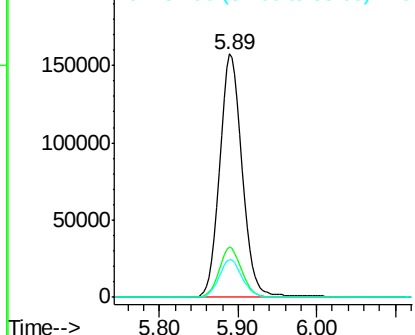
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: VU025285.D  
 Acq: 10 Jul 2018 13:38

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 TRIP-BLANK

Tot Ion:114 Resp: 310473  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 41.6  
 88 15.3 0.0 32.4

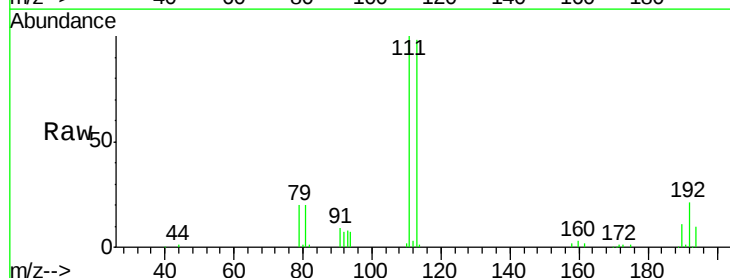


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VU0  
 Ion 87.90 (87.60 to 88.60): VU0

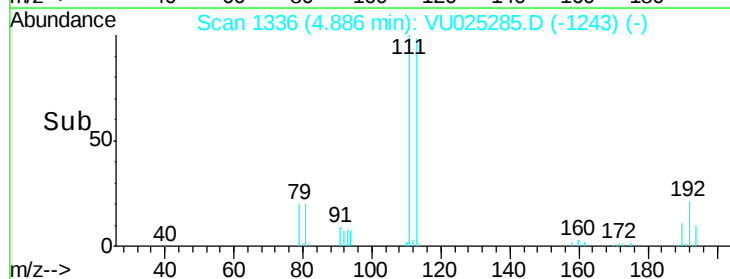
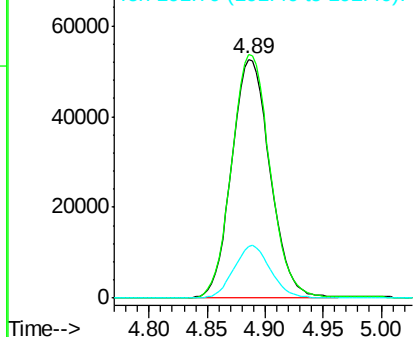


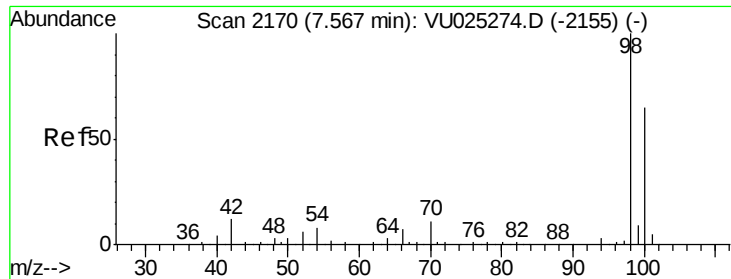
#35  
 Dibromofluoromethane  
 Concen: 46.35 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. -0.00 min  
 Lab File: VU025285.D  
 Acq: 10 Jul 2018 13:38

Tgt Ion:113 Resp: 121392  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 81.7 122.5  
 192 21.0 17.1 25.7



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: 49.13 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

Instrument :

MSVOA\_U

ClientSampleId :

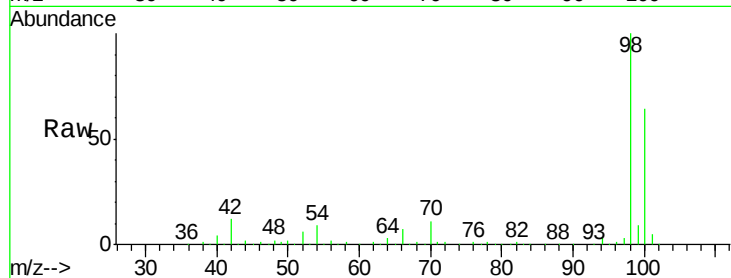
TRIP-BLANK

Tot Ion: 98 Resp: 440614

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025274.D (-2155) (-)

Ion 100.00 (99.70 to 100.70): VU025274.D (-2155) (-)

7.57

250000

200000

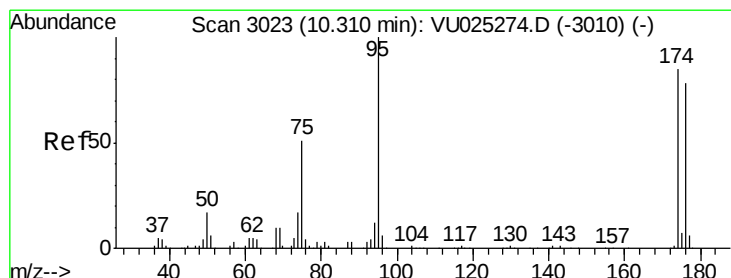
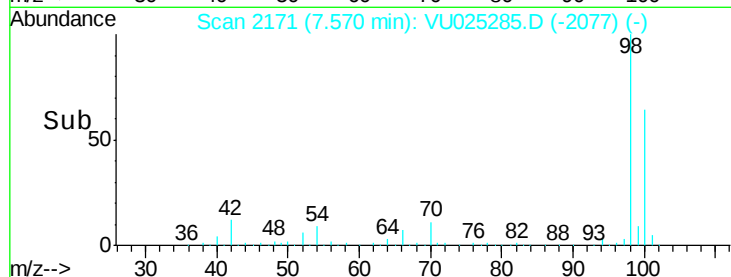
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.79 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025285.D

Acq: 10 Jul 2018 13:38

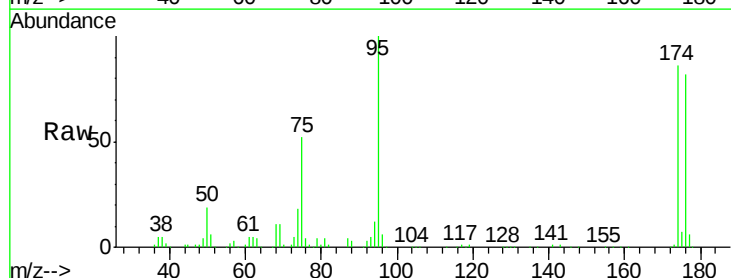
Tgt Ion: 95 Resp: 161731

Ion Ratio Lower Upper

95 100

174 85.7 0.0 172.2

176 82.9 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU025274.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025274.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025274.D (-3010) (-)

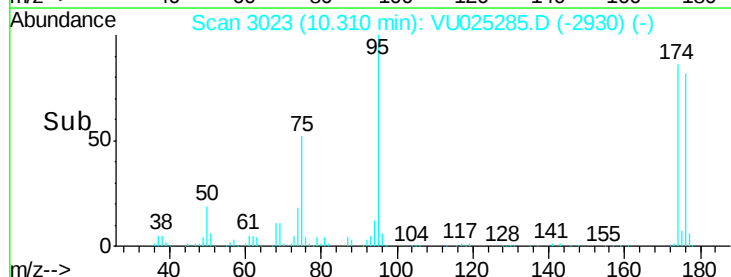
10.31

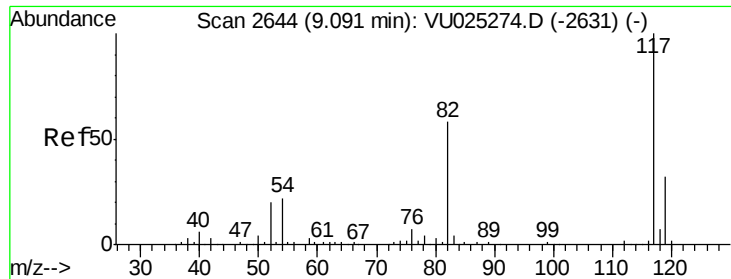
100000

50000

0

Time-->

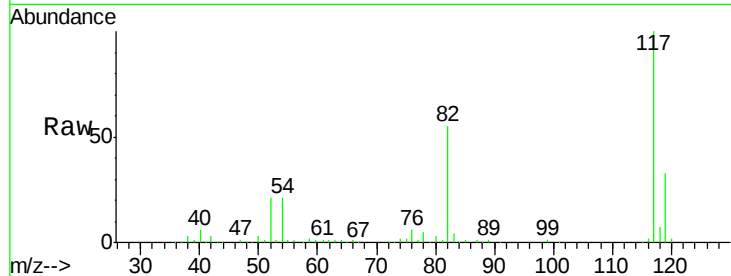




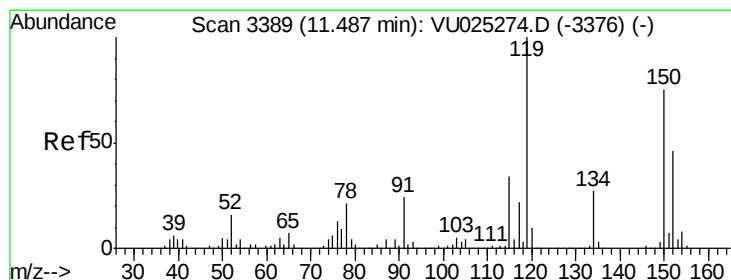
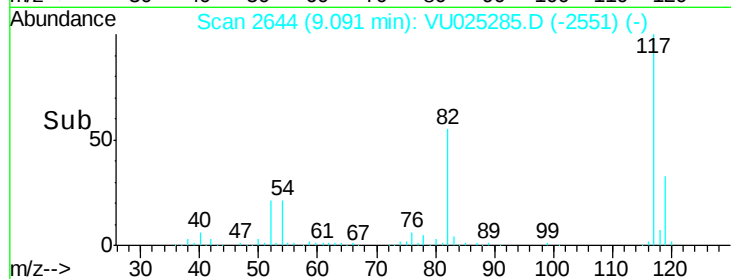
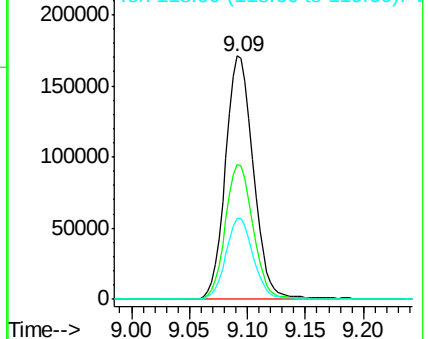
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VU025285.D  
Acq: 10 Jul 2018 13:38

Instrument :  
MSVOA\_U  
ClientSampleId :  
TRIP-BLANK

Tot Ion:117 Resp: 286288  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.0 69.0  
119 33.4 26.0 39.0

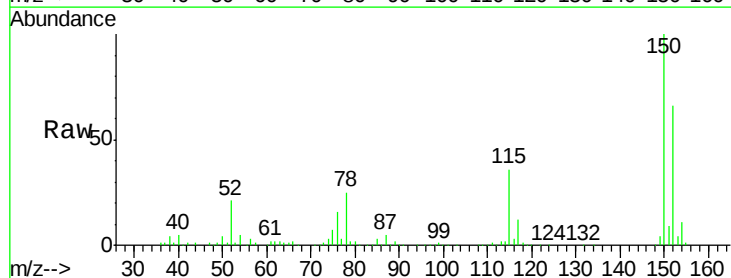


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 11.49 min Scan# 3390  
Delta R.T. 0.00 min  
Lab File: VU025285.D  
Acq: 10 Jul 2018 13:38

Tgt Ion:152 Resp: 147786  
Ion Ratio Lower Upper  
152 100  
115 56.3 40.1 120.3  
150 153.4 0.0 351.4



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

