

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\  
 Data File : VU027003.D  
 Acq On : 22 Sep 2018 07:41  
 Operator : MD/SY  
 Sample : J4934-21  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 SA-MW128I-20180912

Quant Time: Sep 24 04:01:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U092218W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 22 01:31:57 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.99  | 168  | 73178    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 146900   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 151402   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 73000    | 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   | 89340    | 60.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 121.32% |          |
| 35) Dibromofluoromethane    | 4.89  | 113  | 67102    | 52.70 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 105.40% |          |
| 50) Toluene-d8              | 7.57  | 98   | 233793   | 48.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 96.36%  |          |
| 62) 4-Bromofluorobenzene    | 10.31 | 95   | 82738    | 49.69 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.38%  |          |

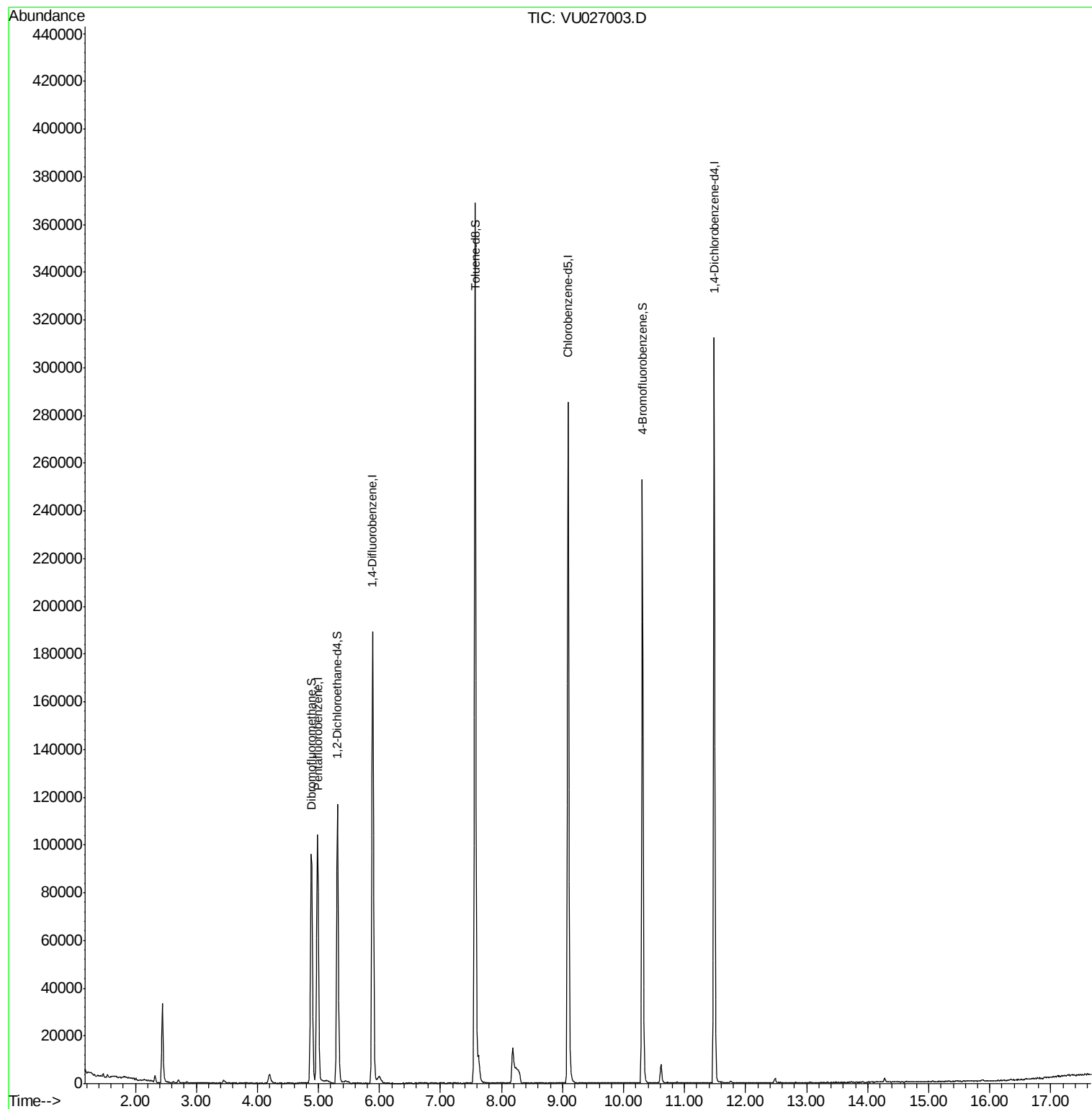
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

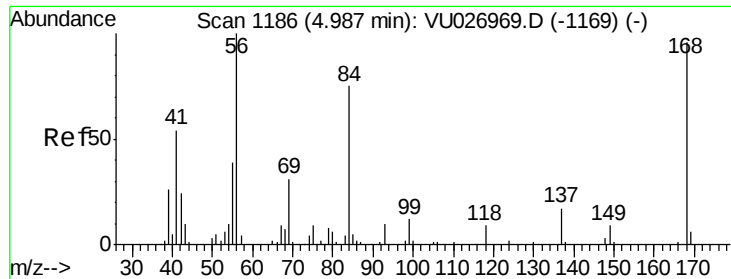
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 22 01:31:57 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: VU027003.D

Acq: 22 Sep 2018 07:41

Instrument :

MSVOA\_U

ClientSampleId :

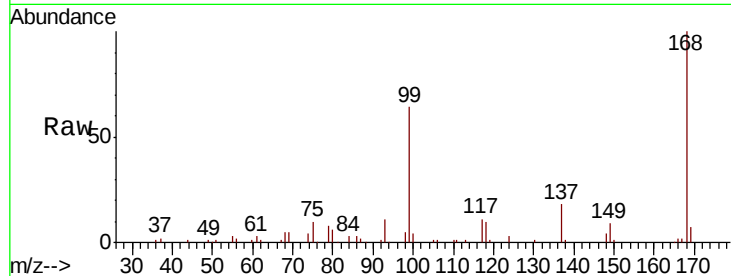
SA-MW128I-20180912

Tot Ion:168 Resp: 73178

Ion Ratio Lower Upper

168 100

99 64.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

30000

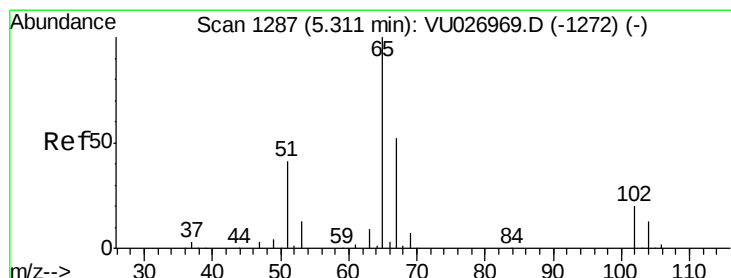
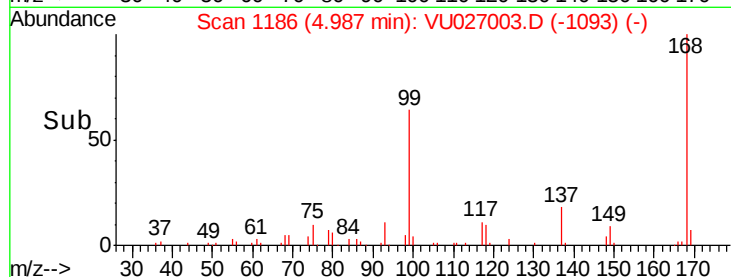
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#33

1,2-Dichloroethane-d4

Concen: 60.659 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027003.D

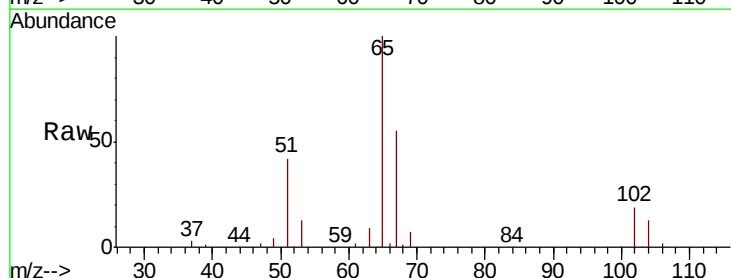
Acq: 22 Sep 2018 07:41

Tgt Ion: 65 Resp: 89340

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

5.31

50000

40000

30000

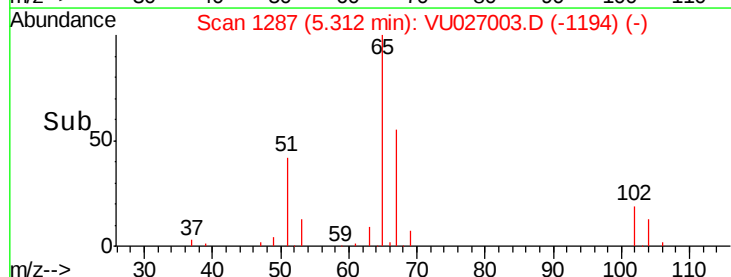
20000

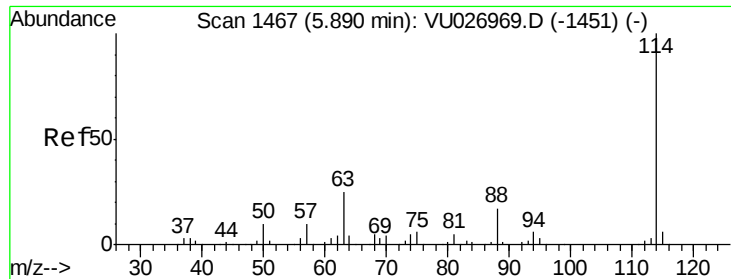
10000

0

5.20 5.30 5.40

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027003.D

Acq: 22 Sep 2018 07:41

Instrument :

MSVOA\_U

ClientSampleId :

SA-MW128I-20180912

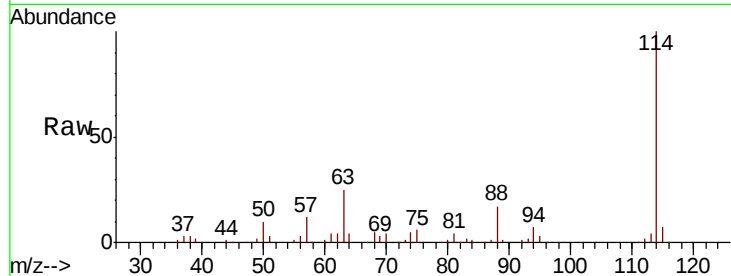
Tot Ion:114 Resp: 146900

Ion Ratio Lower Upper

114 100

63 24.9 0.0 49.2

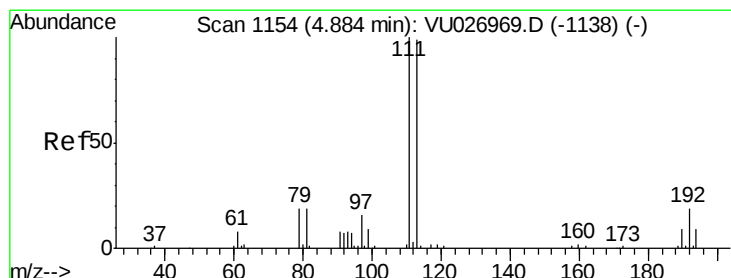
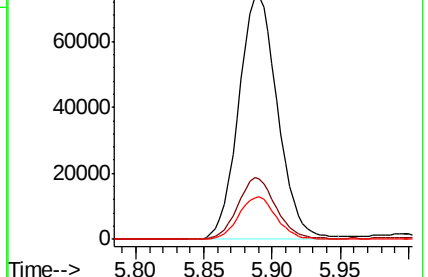
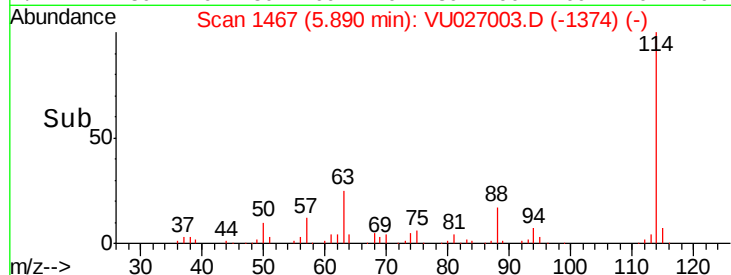
88 17.3 0.0 33.8



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: 52.698 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027003.D

Acq: 22 Sep 2018 07:41

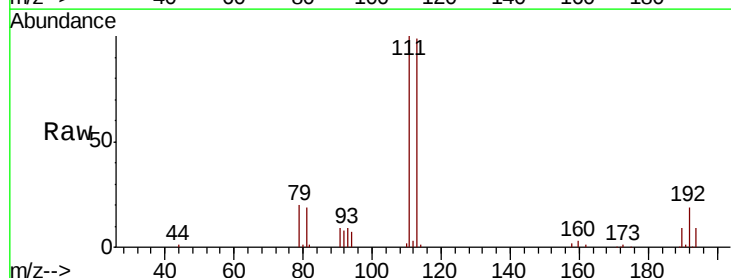
Tgt Ion:113 Resp: 67102

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

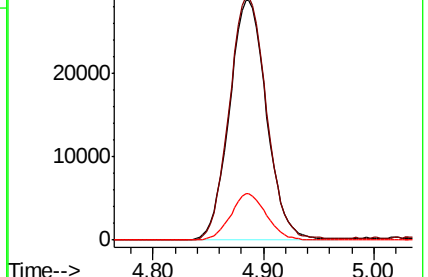
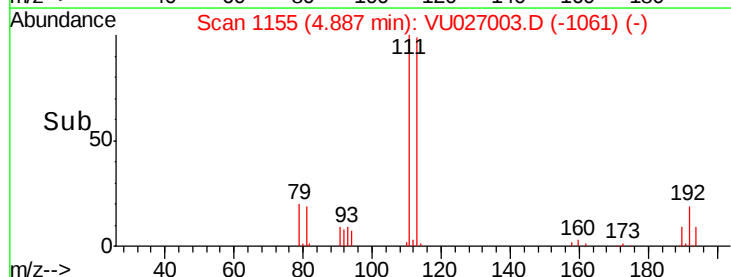
192 18.5 15.2 22.8

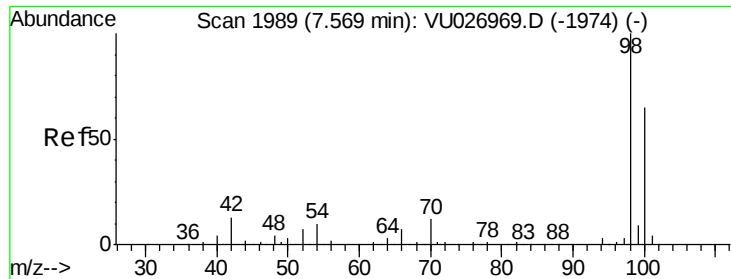


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.178 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027003.D

Acq: 22 Sep 2018 07:41

Instrument :

MSVOA\_U

ClientSampleId :

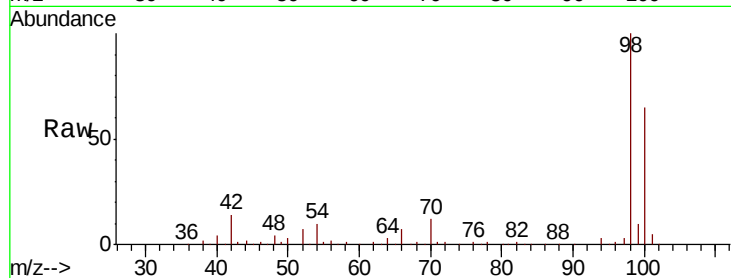
SA-MW128I-20180912

Tot Ion: 98 Resp: 233793

Ion Ratio Lower Upper

98 100

100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

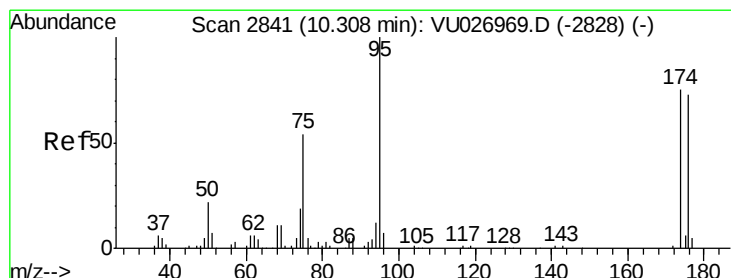
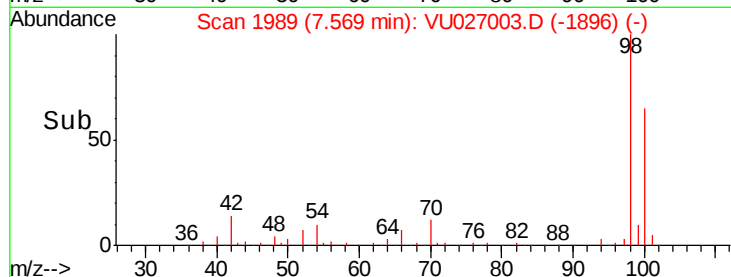
100000

50000

0

7.50 7.55 7.60

Time-->



#62

4-Bromofluorobenzene

Concen: 49.689 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027003.D

Acq: 22 Sep 2018 07:41

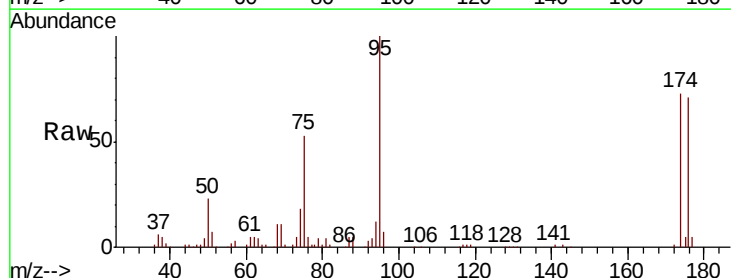
Tgt Ion: 95 Resp: 82738

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

176 72.4 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

10.31

60000

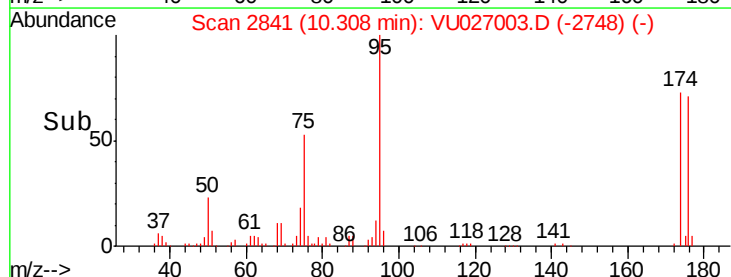
40000

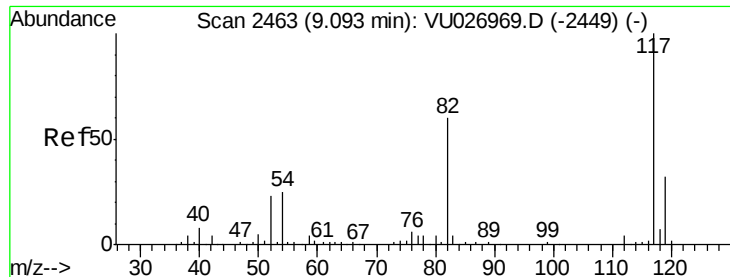
20000

0

10.25 10.30 10.35 10.40

Time-->

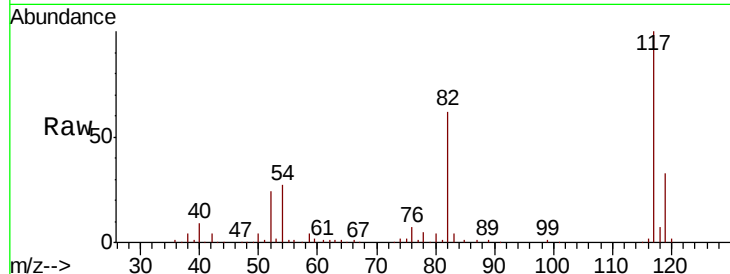




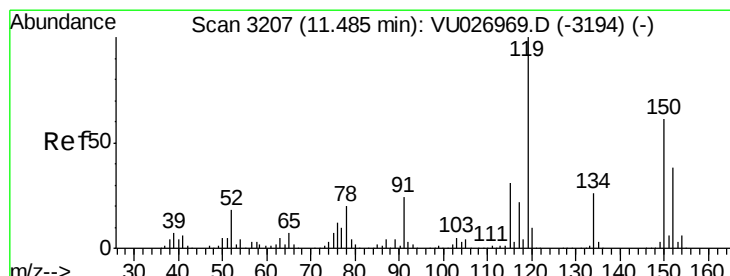
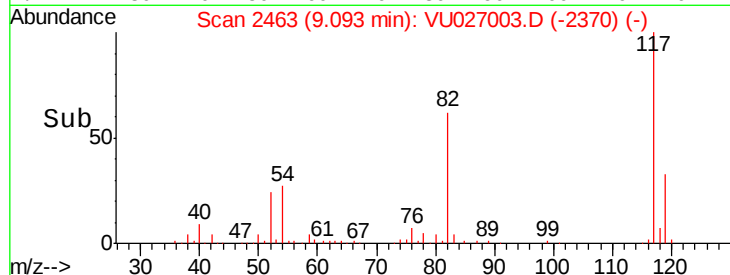
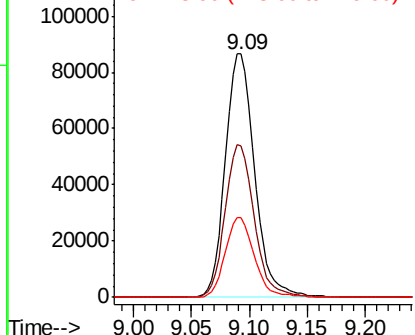
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2463  
Delta R.T. 0.00 min  
Lab File: VU027003.D  
Acq: 22 Sep 2018 07:41

Instrument :  
MSVOA\_U  
ClientSampleId :  
SA-MW128I-20180912

Tot Ion:117 Resp: 151402  
Ion Ratio Lower Upper  
117 100  
82 62.1 48.0 72.0  
119 32.7 25.8 38.8

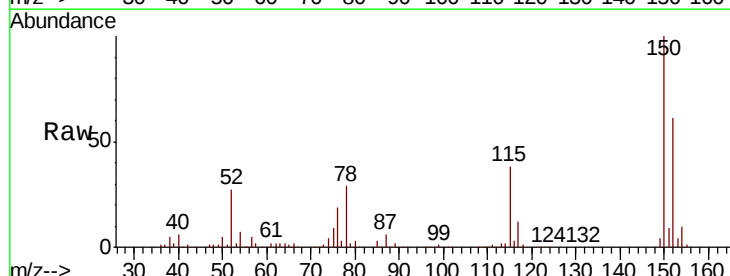


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VU0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.48 min Scan# 3207  
Delta R.T. 0.00 min  
Lab File: VU027003.D  
Acq: 22 Sep 2018 07:41

Tgt Ion:152 Resp: 73000  
Ion Ratio Lower Upper  
152 100  
115 61.7 44.9 134.5  
150 160.6 0.0 355.8



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

