

Data File : VU025040.D  
Acq On : 28 Jun 2018 23:58  
Operator : MD/SY  
Sample : J3669-32ME 20X  
Misc : 6.43g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
WP021SB474-35-37-180620ME

Quant Time: Jul 05 01:31:31 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U061318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 13 13:55:26 2018  
Response via : Initial Calibration

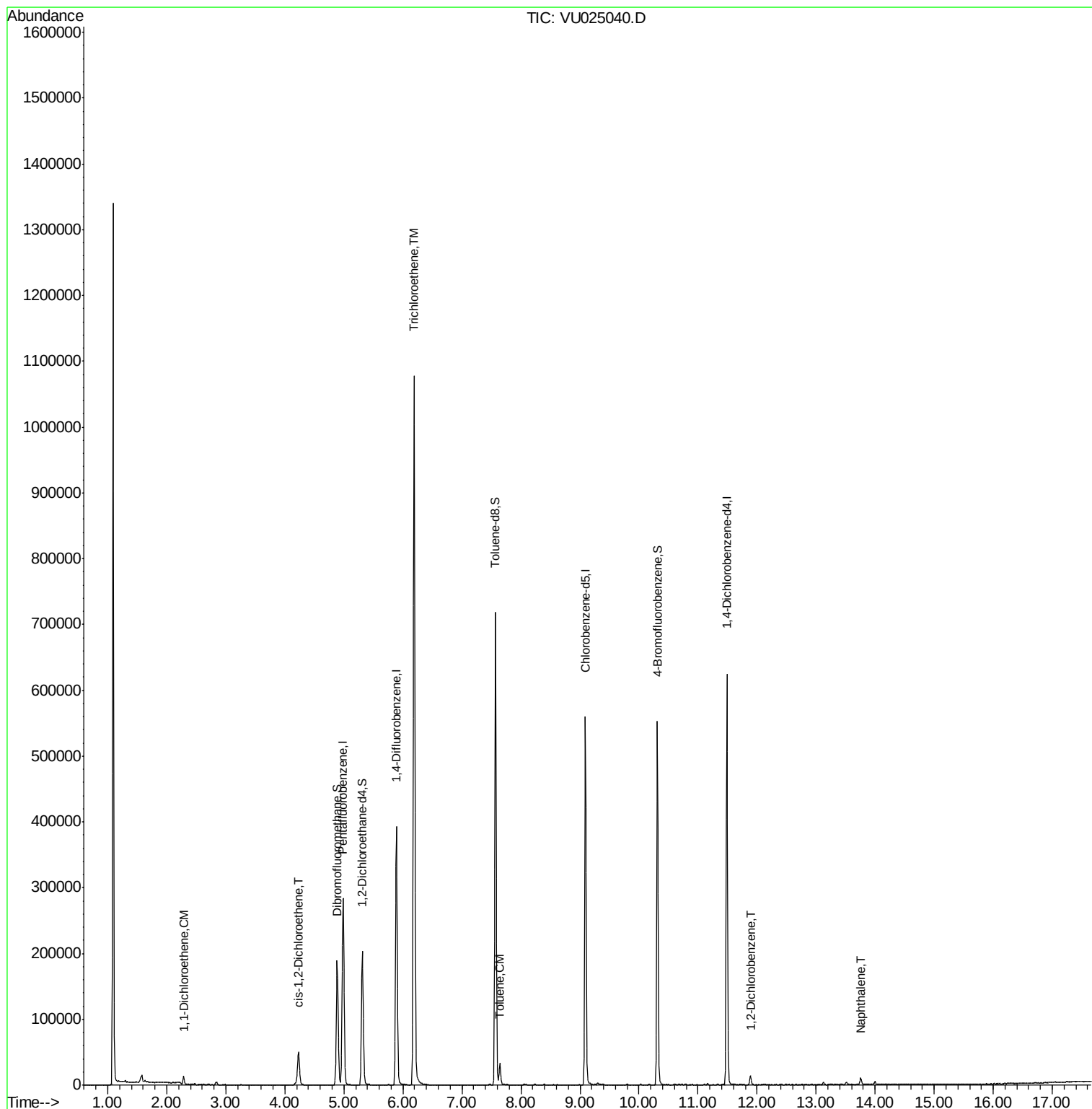
| Internal Standards          | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 4.99   | 168  | 217462   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.89   | 114  | 330549   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.09   | 117  | 307115   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.49  | 152  | 160944   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.31   | 65   | 164511   | 46.34   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 92.68% |          |
| 35) Dibromofluoromethane    | 4.89   | 113  | 129107   | 47.06   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 94.12% |          |
| 50) Toluene-d8              | 7.57   | 98   | 476994   | 47.67   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 95.34% |          |
| 62) 4-Bromofluorobenzene    | 10.31  | 95   | 178493   | 44.93   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =       | 89.86% |          |
| Target Compounds            |        |      |          |         |        |          |
| 12) 1,1-Dichloroethene      | 2.28   | 96   | 3898     | 1.574   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene  | 4.23   | 96   | 27606    | 8.805   | ug/l   | 88       |
| 44) Trichloroethene         | 6.19   | 130  | 381000   | 120.956 | ug/l   | 96       |
| 52) Toluene                 | 7.64   | 92   | 13855    | 1.946   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene     | 11.89  | 146  | 5355     | 0.925   | ug/l   | 95       |
| 95) Naphthalene             | 13.75  | 128  | 11104    | 1.605   | ug/l   | 95       |

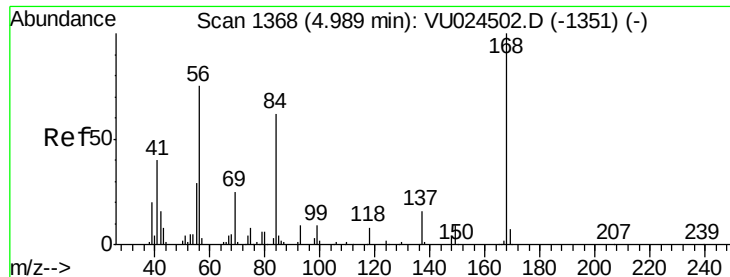
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025040.D

Acq: 28 Jun 2018 23:58

Instrument :

MSVOA\_U

ClientSampleId :

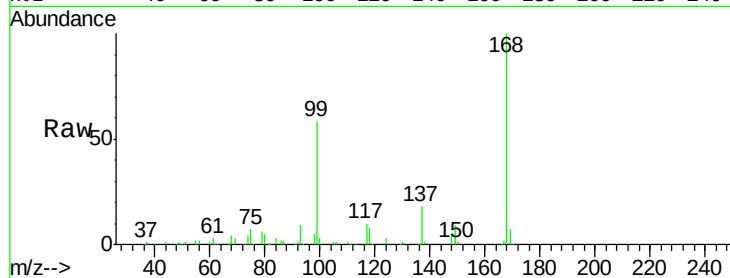
WP021SB474-35-37-180620ME

Tgt Ion:168 Resp: 217462

Ion Ratio Lower Upper

168 100

99 57.5 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

60000

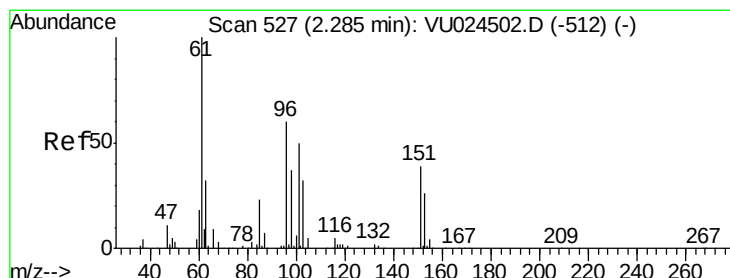
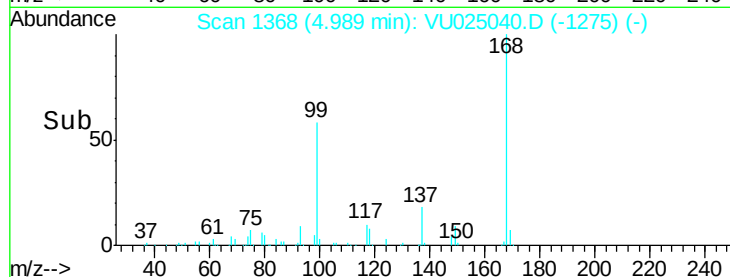
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#12

1,1-Dichloroethene

Concen: 1.574 ug/l

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025040.D

Acq: 28 Jun 2018 23:58

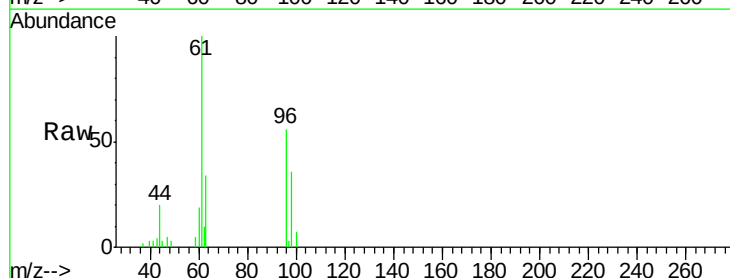
Tgt Ion: 96 Resp: 3898

Ion Ratio Lower Upper

96 100

61 178.8 141.7 212.5

98 63.5 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-512) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-512) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-512) (-)

2.28

6000

5000

4000

3000

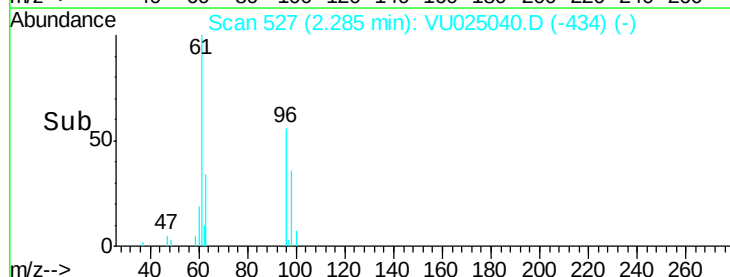
2000

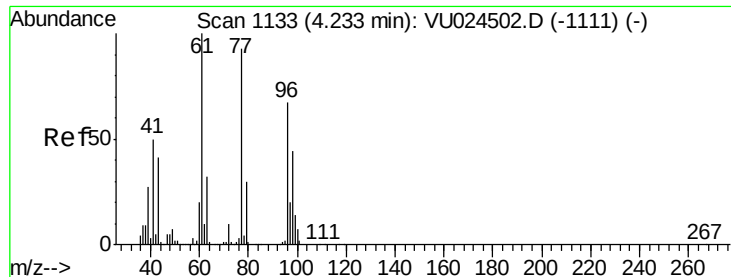
1000

0

2.25 2.30

Time-->





#27

cis-1,2-Dichloroethene

Concen: 8.805 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025040.D

Acq: 28 Jun 2018 23:58

Instrument :

MSVOA\_U

ClientSampleId :

WP021SB474-35-37-180620ME

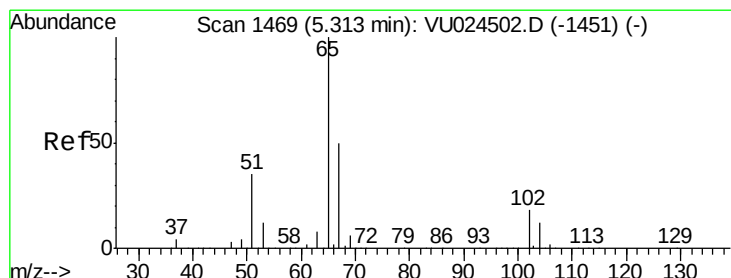
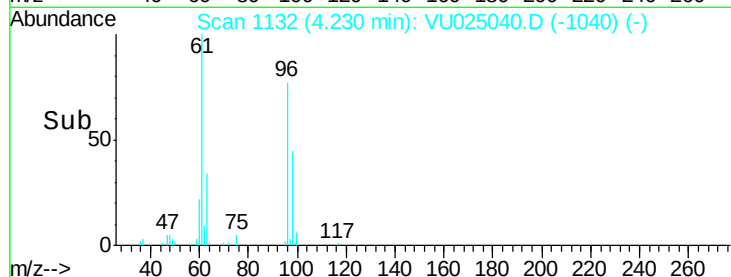
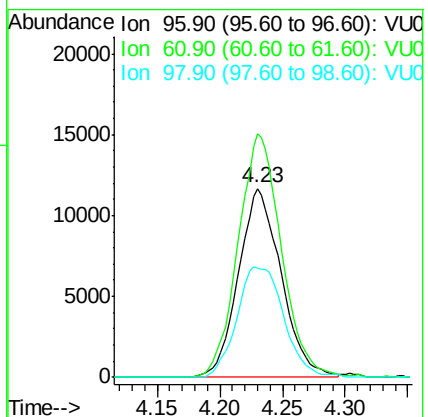
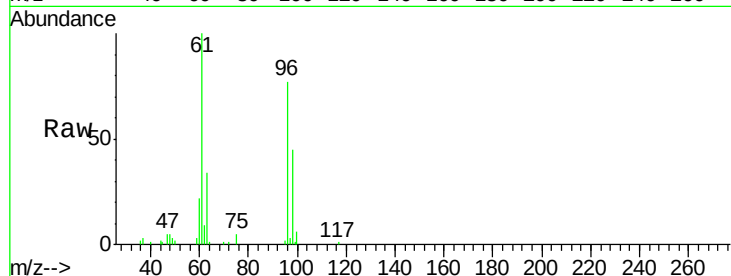
Tgt Ion: 96 Resp: 27606

Ion Ratio Lower Upper

96 100

61 130.7 0.0 306.6

98 64.1 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 46.340 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025040.D

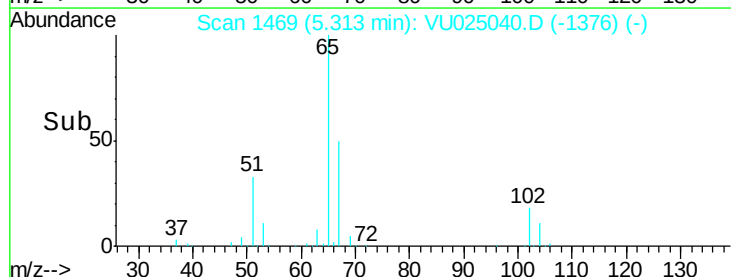
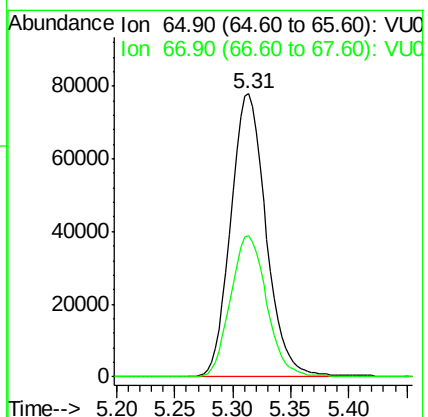
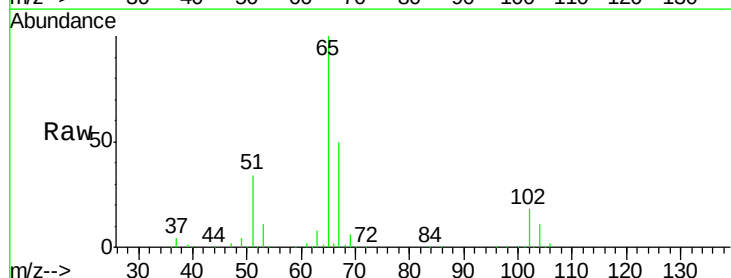
Acq: 28 Jun 2018 23:58

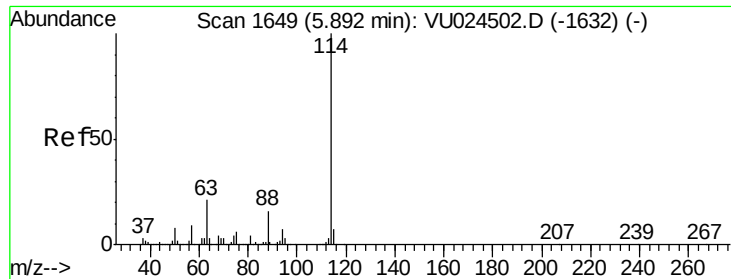
Tgt Ion: 65 Resp: 164511

Ion Ratio Lower Upper

65 100

67 50.9 0.0 107.0

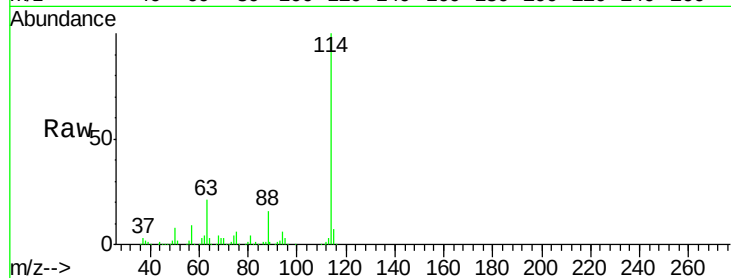




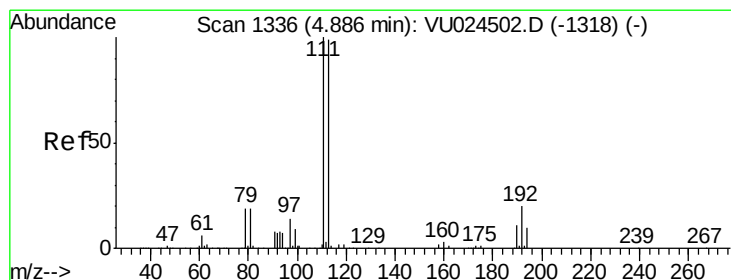
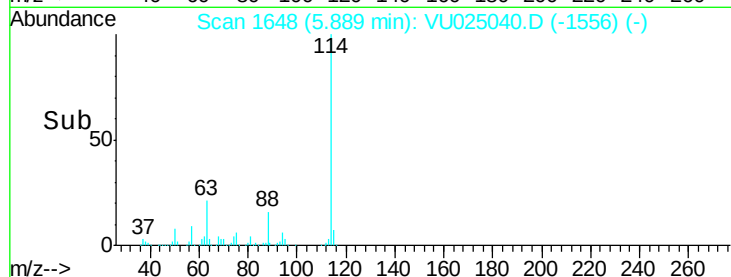
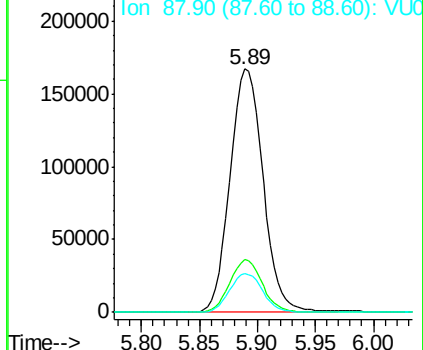
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.89 min Scan# 1648  
 Delta R.T. -0.00 min  
 Lab File: VU025040.D  
 Acq: 28 Jun 2018 23:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WP021SB474-35-37-180620ME

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 21.5  | 0.0   | 45.4  |
| 88      | 15.9  | 0.0   | 31.0  |

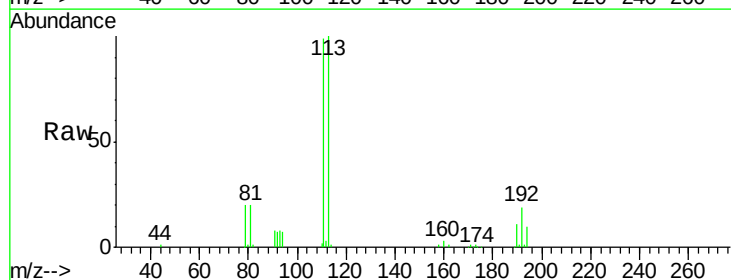


Abundance Ion 113.90 (113.60 to 114.60): V

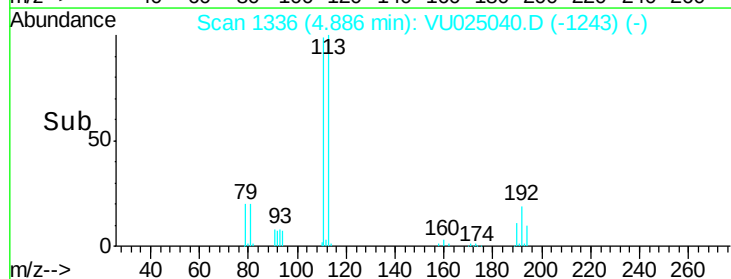
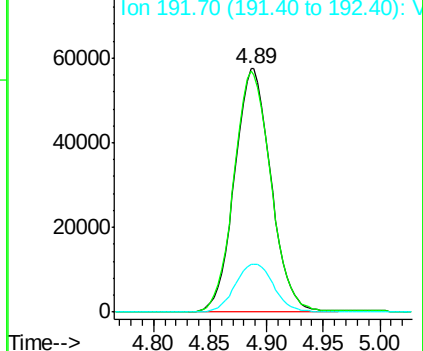


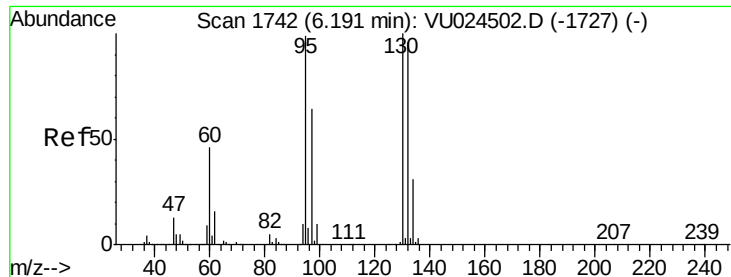
#35  
 Dibromofluoromethane  
 Concen: 47.063 ug/l  
 RT: 4.89 min Scan# 1336  
 Delta R.T. 0.00 min  
 Lab File: VU025040.D  
 Acq: 28 Jun 2018 23:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 100.1 | 82.2  | 123.4 |
| 192     | 20.8  | 16.2  | 24.4  |



Abundance Ion 112.80 (112.50 to 113.50): V





#44

Trichloroethene

Concen: 120.956 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025040.D

Acq: 28 Jun 2018 23:58

Instrument :

MSVOA\_U

ClientSampleId :

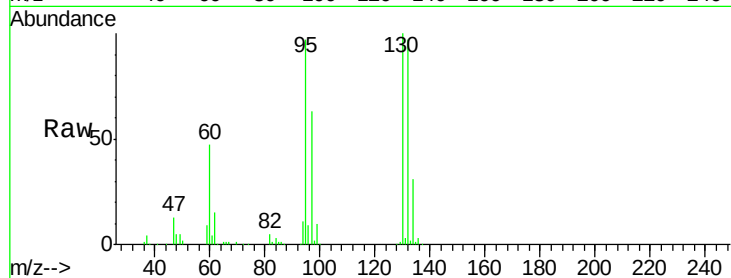
WP021SB474-35-37-180620ME

Tgt Ion:130 Resp: 381000

Ion Ratio Lower Upper

130 100

95 96.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU025040.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU025040.D (-1649) (-)

6.19

200000

150000

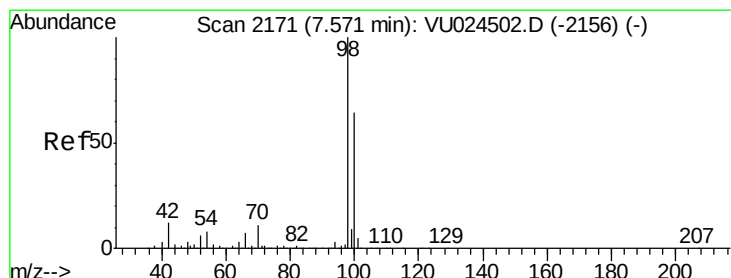
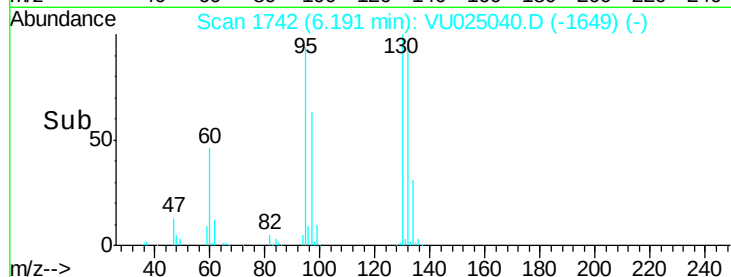
100000

50000

0

6.10 6.20 6.30

Time-->



#50

Toluene-d8

Concen: 47.669 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025040.D

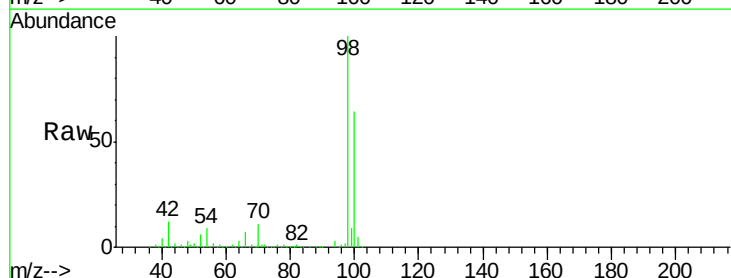
Acq: 28 Jun 2018 23:58

Tgt Ion: 98 Resp: 476994

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU025040.D (-2078) (-)

Ion 100.00 (99.70 to 100.70): VU025040.D (-2078) (-)

7.57

300000

250000

200000

150000

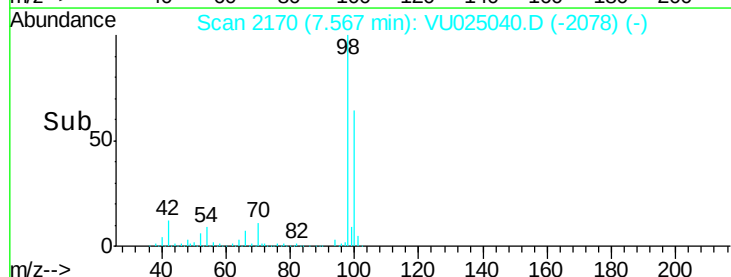
100000

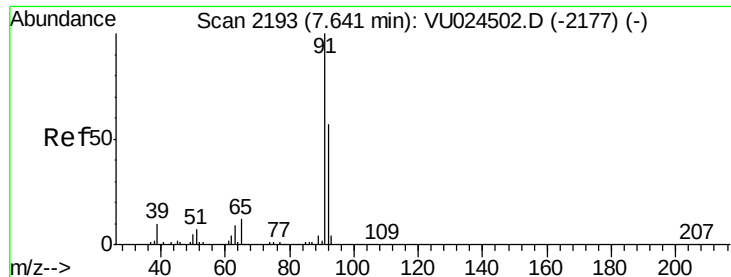
50000

0

7.50 7.60 7.70

Time-->





#52

Toluene

Concen: 1.946 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025040.D

Acq: 28 Jun 2018 23:58

Instrument :

MSVOA\_U

ClientSampleId :

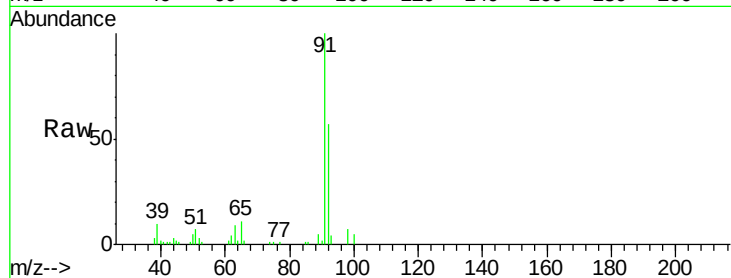
WP021SB474-35-37-180620ME

Tgt Ion: 92 Resp: 13855

Ion Ratio Lower Upper

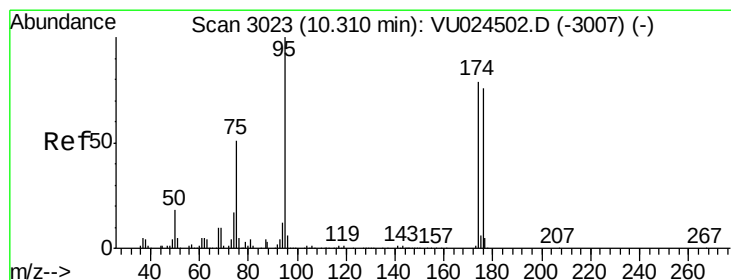
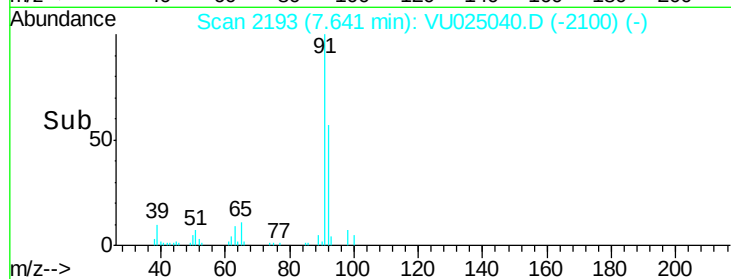
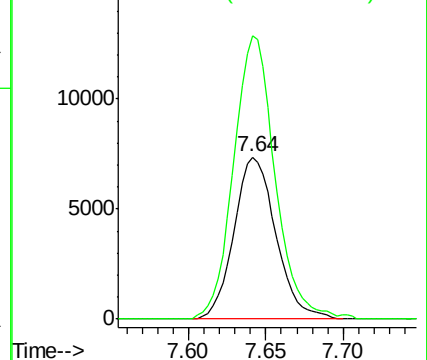
92 100

91 172.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.927 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025040.D

Acq: 28 Jun 2018 23:58

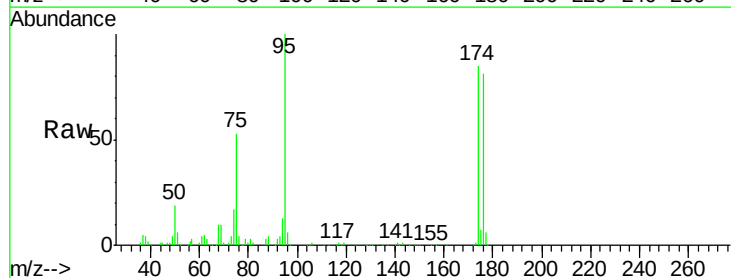
Tgt Ion: 95 Resp: 178493

Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

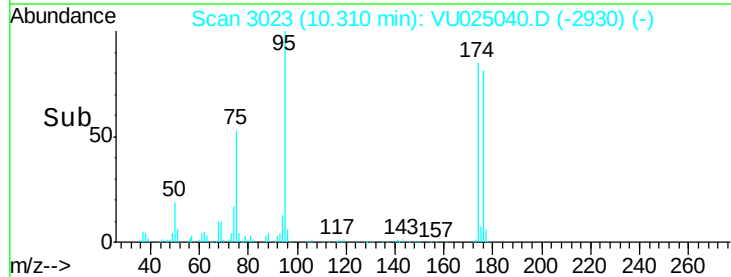
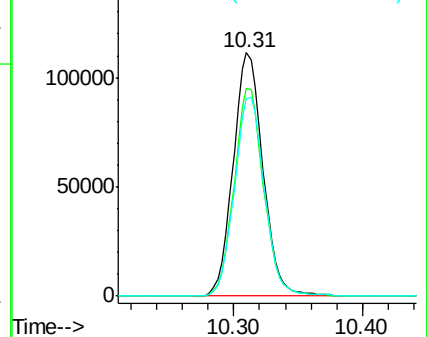
176 82.7 0.0 159.4

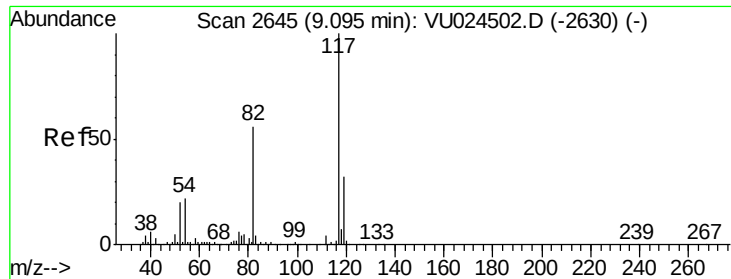


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

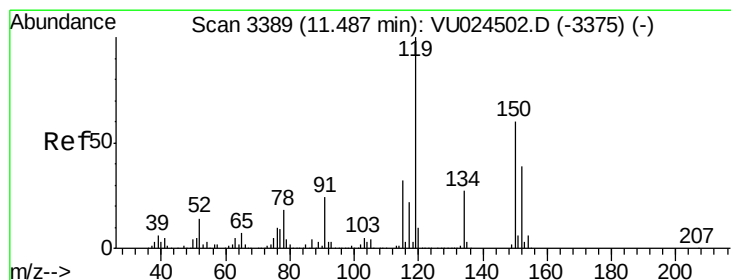
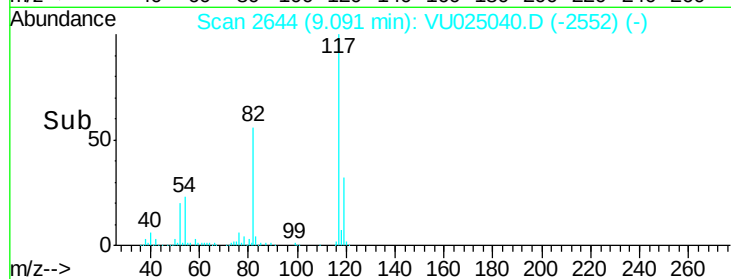
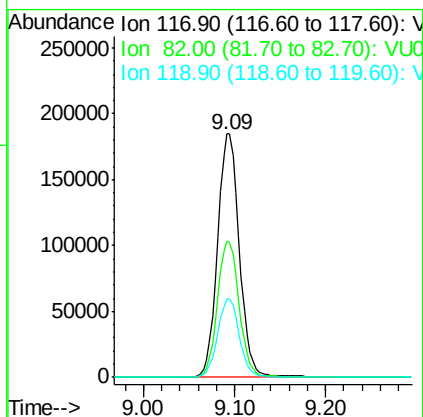
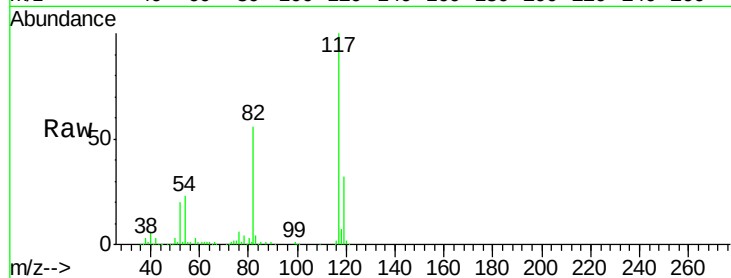




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VU025040.D  
Acq: 28 Jun 2018 23:58

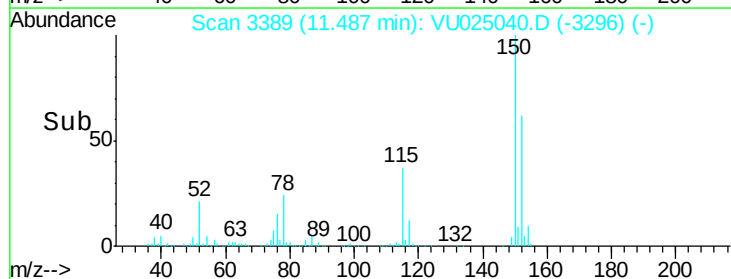
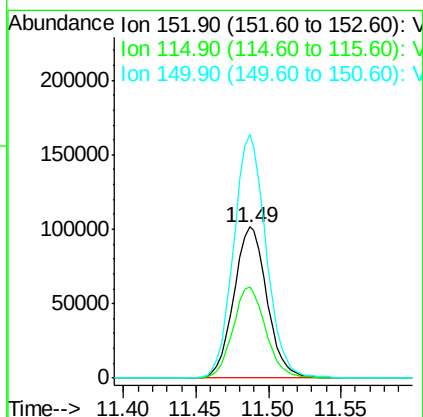
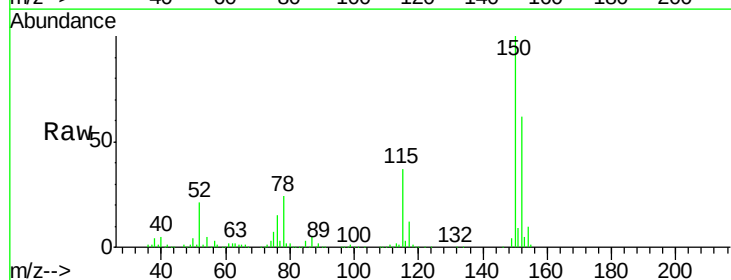
Instrument :  
MSVOA\_U  
ClientSampleId :  
WP021SB474-35-37-180620ME

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.0  | 44.3  | 66.5  |
| 119     | 32.2  | 25.4  | 38.2  |

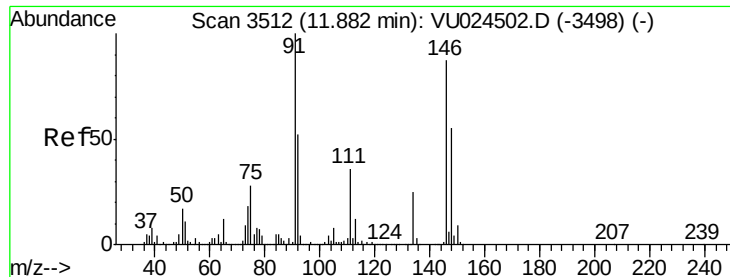


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.49 min Scan# 3389  
Delta R.T. 0.00 min  
Lab File: VU025040.D  
Acq: 28 Jun 2018 23:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.4  | 43.0  | 129.0 |
| 150     | 158.7 | 0.0   | 354.0 |



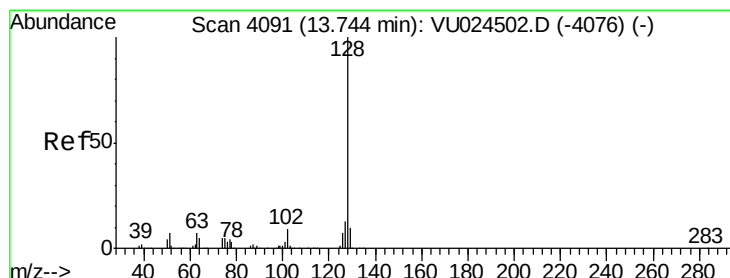
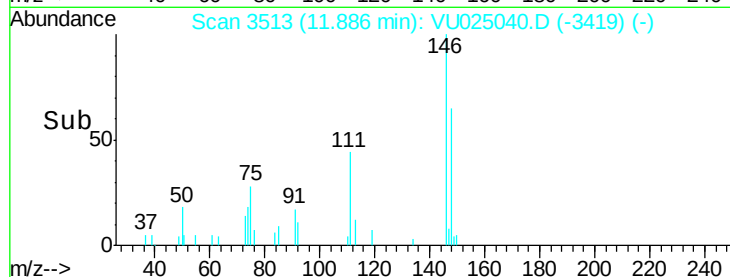
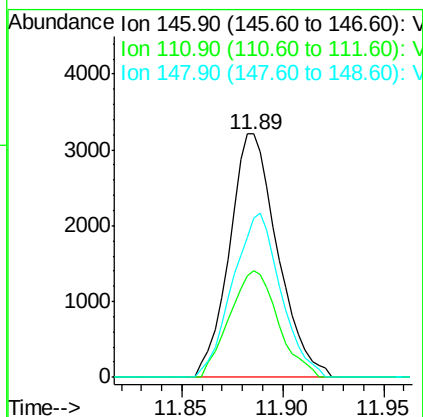
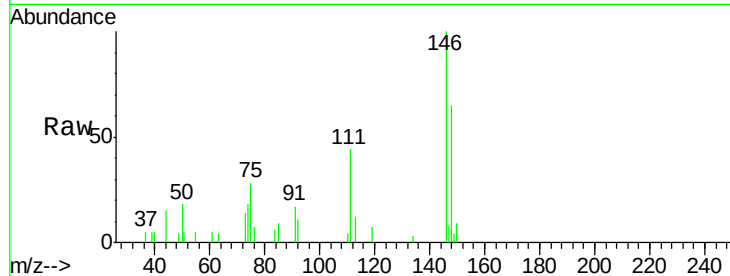




#91  
 1,2-Dichlorobenzene  
 Concen: 0.925 ug/l  
 RT: 11.89 min Scan# 3513  
 Delta R.T. 0.00 min  
 Lab File: VU025040.D  
 Acq: 28 Jun 2018 23:58

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 WP021SB474-35-37-180620ME

Tgt Ion:146 Resp: 5355  
 Ion Ratio Lower Upper  
 146 100  
 111 44.0 20.5 61.6  
 148 67.5 31.9 95.7



#95  
 Naphthalene  
 Concen: 1.605 ug/l  
 RT: 13.75 min Scan# 4094  
 Delta R.T. 0.01 min  
 Lab File: VU025040.D  
 Acq: 28 Jun 2018 23:58

Tgt Ion:128 Resp: 11104  
 Ion Ratio Lower Upper  
 128 100  
 127 10.8 10.6 16.0  
 129 9.0 8.6 12.8

