

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\  
 Data File : VN049572.D  
 Acq On : 27 Jun 2018 15:14  
 Operator : MD\SY  
 Sample : PB110627TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110627TB

Quant Time: Jun 28 02:03:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1165440  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1866146  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1552800  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 614595   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 766661   | 49.60 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 99.20% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 643240   | 42.60 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 85.20% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2509645  | 43.66 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 87.32% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 751322   | 39.53 | ug/l   | 0.00     |
| Spiked Amount               |       |      |          |       |        |          |
|                             |       |      | Recovery | =     | 79.06% |          |

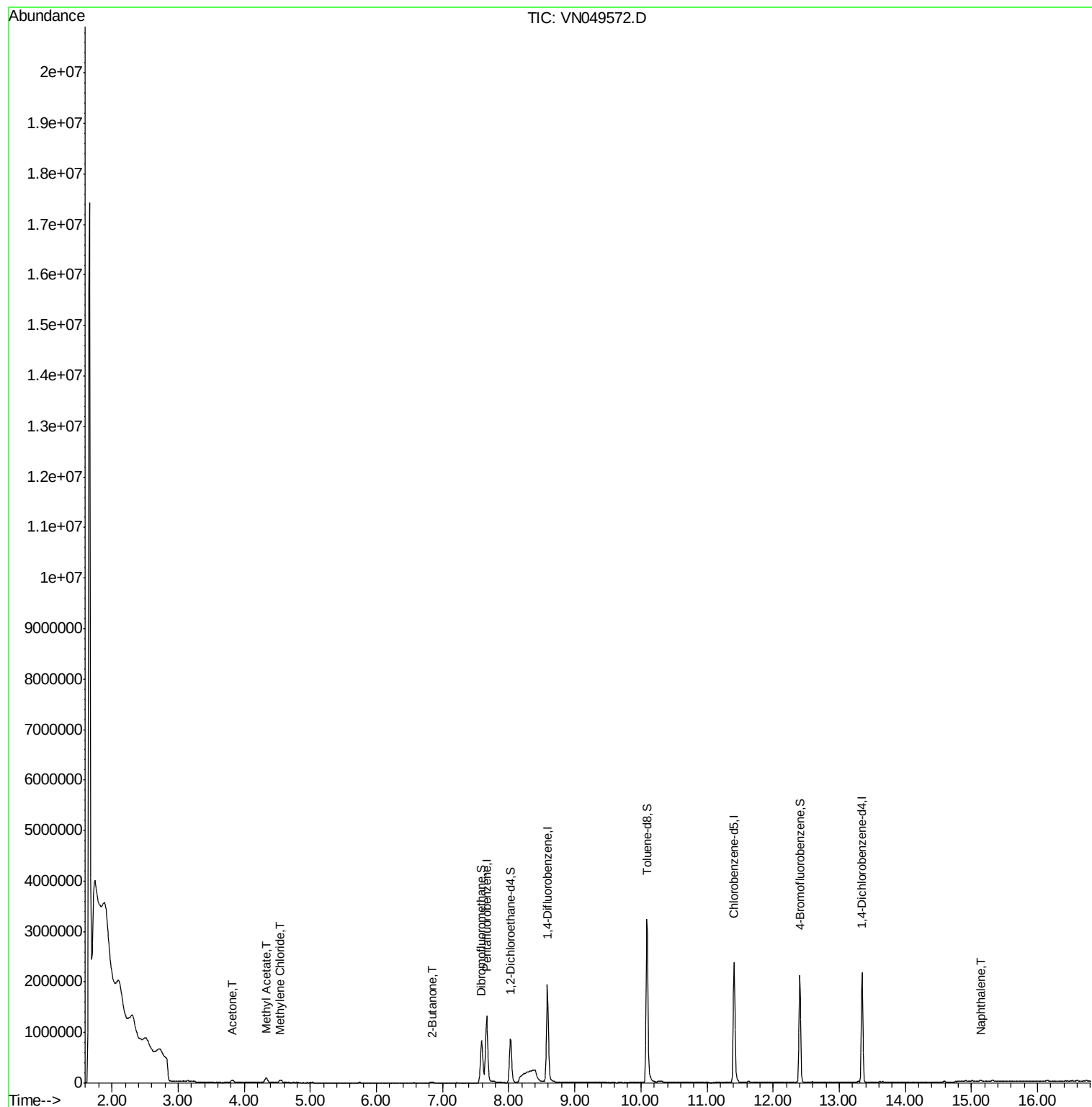
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.82  | 43   | 104060   | 27.73 | ug/l  | 92     |
| 18) Methyl Acetate     | 4.33  | 43   | 179933   | 15.72 | ug/l  | 95     |
| 20) Methylene Chloride | 4.55  | 84   | 37511    | 2.39  | ug/l  | 87     |
| 25) 2-Butanone         | 6.85  | 43   | 10859    | 2.15  | ug/l  | 91     |
| 95) Naphthalene        | 15.14 | 128  | 20277    | 3.27  | ug/l  | 99     |

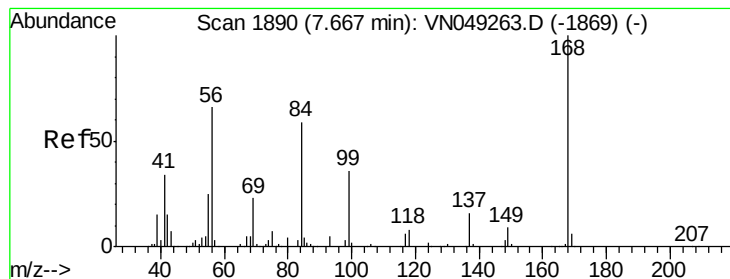
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062718\  
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Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

Instrument :

MSVOA\_N

ClientSampled :

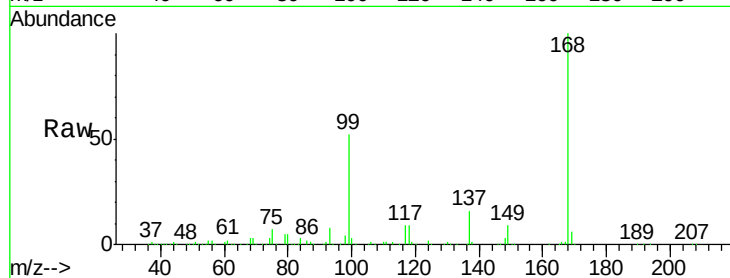
PB110627TB

Tot Ion:168 Resp: 1165440

Ion Ratio Lower Upper

168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

300000

200000

100000

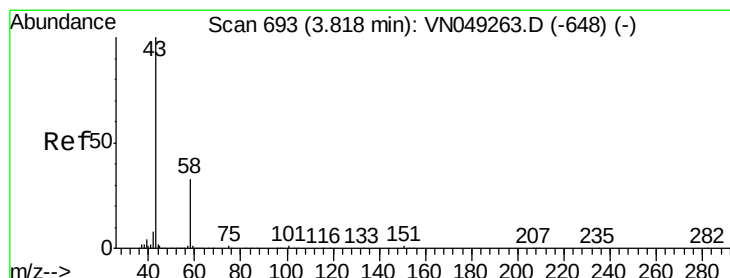
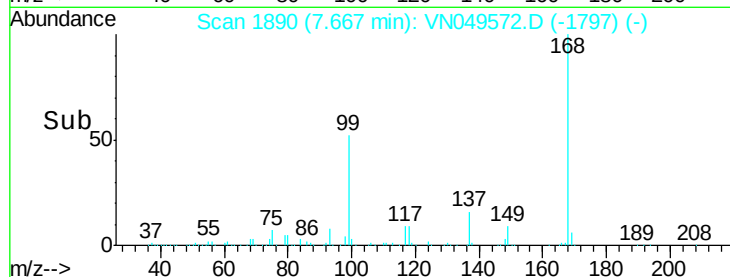
0

Time-->

7.60

7.70

7.80



#16

Acetone

Concen: 27.73 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049572.D

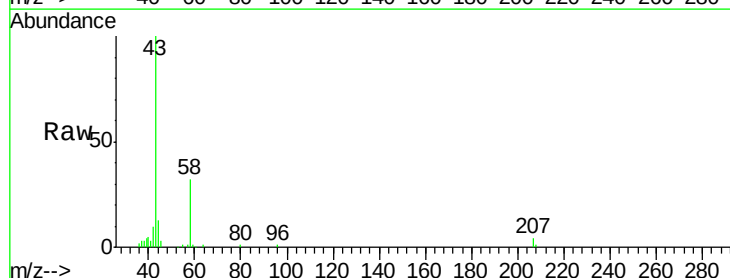
Acq: 27 Jun 2018 15:14

Tgt Ion: 43 Resp: 104060

Ion Ratio Lower Upper

43 100

58 32.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

40000

30000

20000

10000

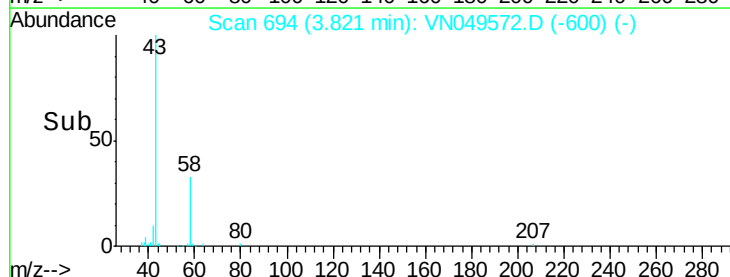
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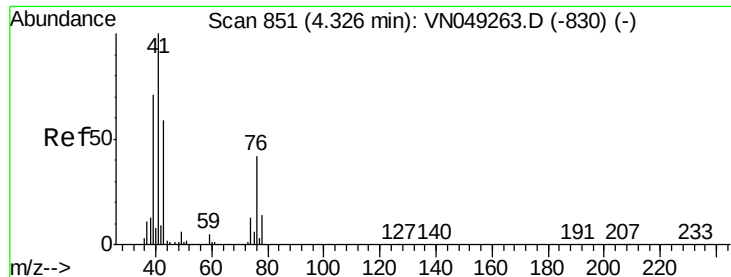
Time-->

3.70

3.80

3.90

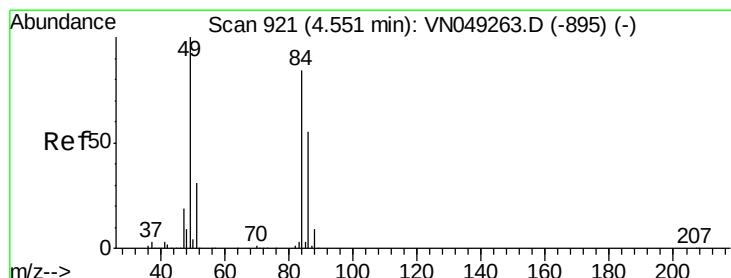
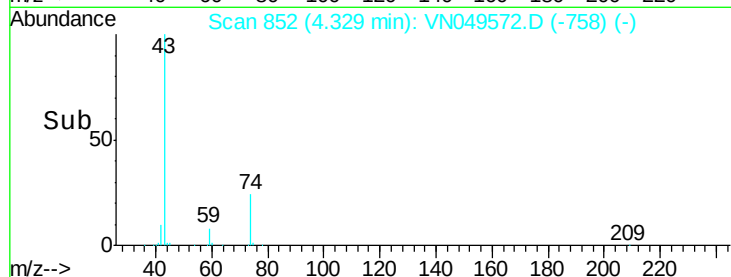
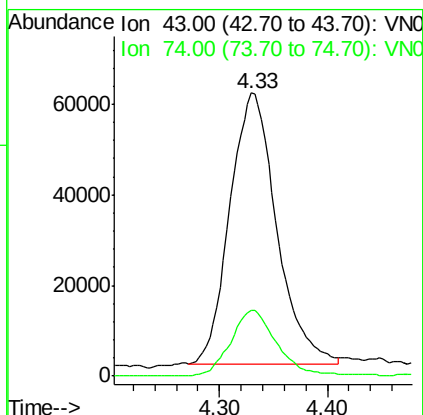
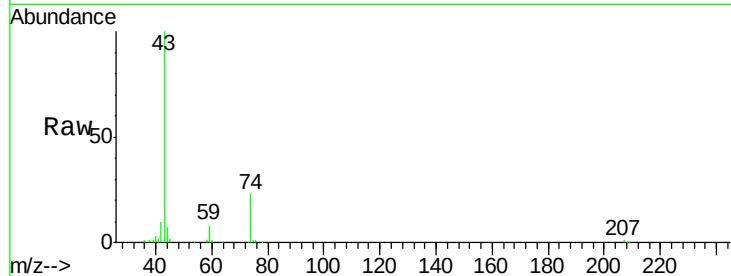




#18  
Methvl Acetate  
Concen: 15.72 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049572.D  
Acq: 27 Jun 2018 15:14

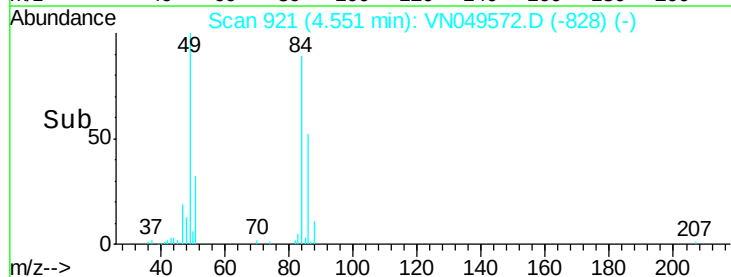
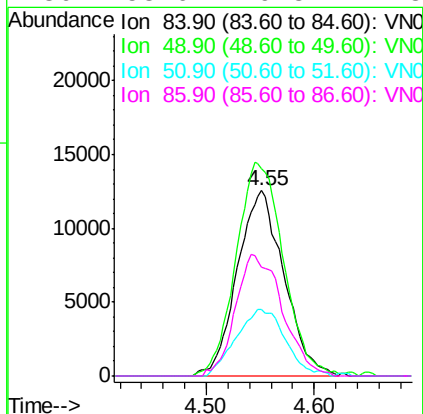
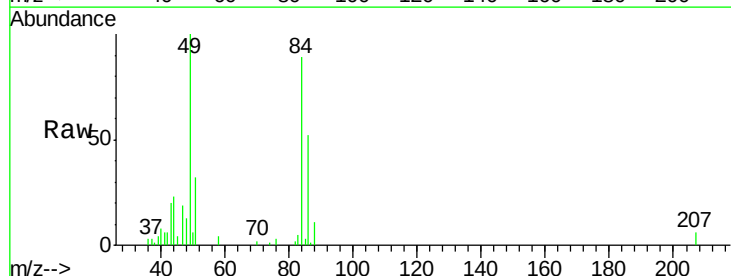
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110627TB

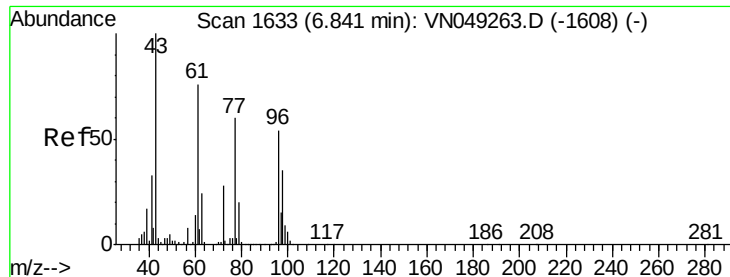
Tot Ion: 43 Resp: 179933  
Ion Ratio Lower Upper  
43 100  
74 24.2 17.4 26.0



#20  
Methylene Chloride  
Concen: 2.39 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049572.D  
Acq: 27 Jun 2018 15:14

Tgt Ion: 84 Resp: 37511  
Ion Ratio Lower Upper  
84 100  
49 111.8 106.9 160.3  
51 35.6 32.7 49.1  
86 58.6 49.8 74.8





#25

2-Butanone

Concen: 2.15 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

Instrument :

MSVOA\_N

ClientSampleId :

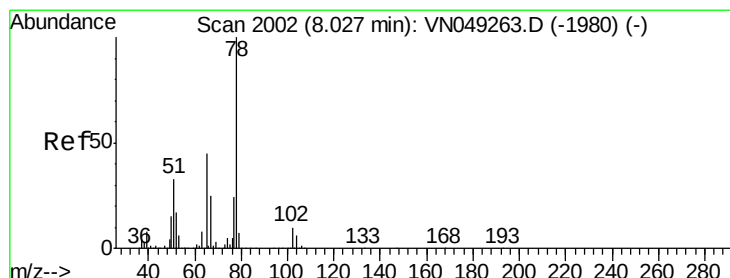
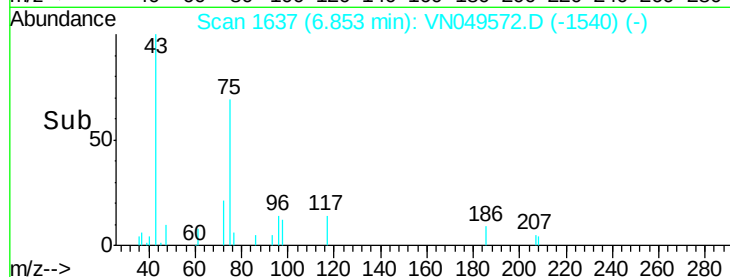
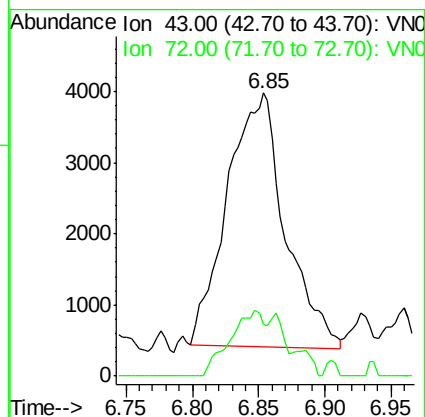
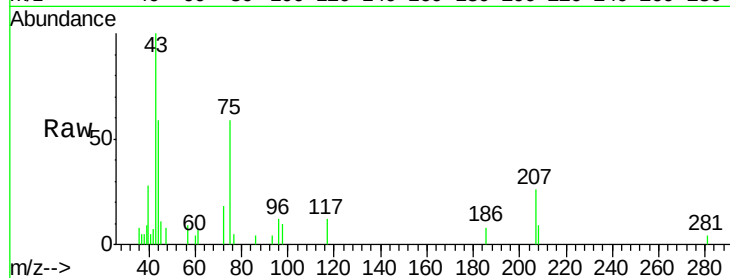
PB110627TB

Tot Ion: 43 Resp: 10859

Ion Ratio Lower Upper

43 100

72 20.5 20.2 30.2



#33

1,2-Dichloroethane-d4

Concen: 49.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049572.D

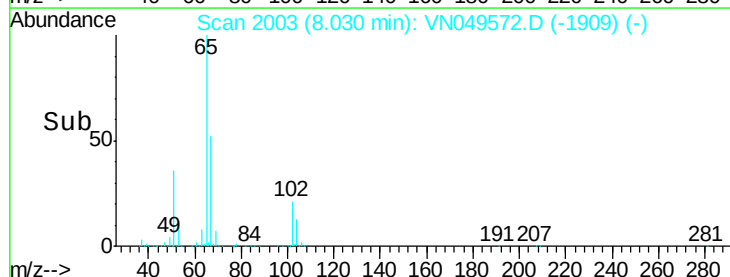
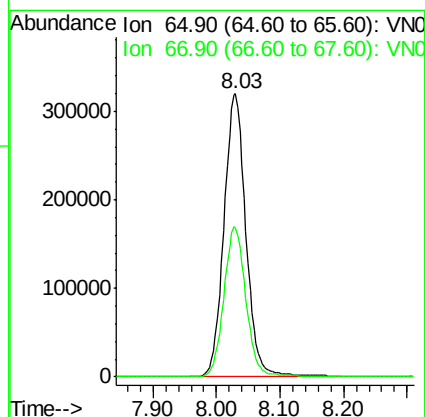
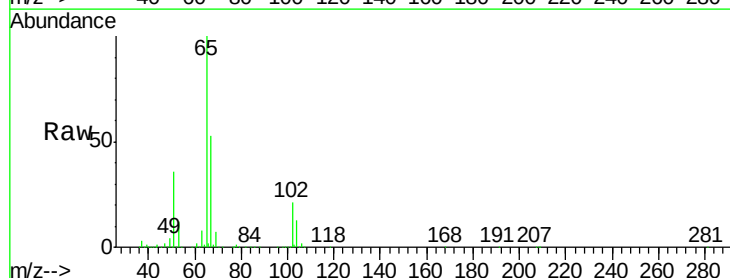
Acq: 27 Jun 2018 15:14

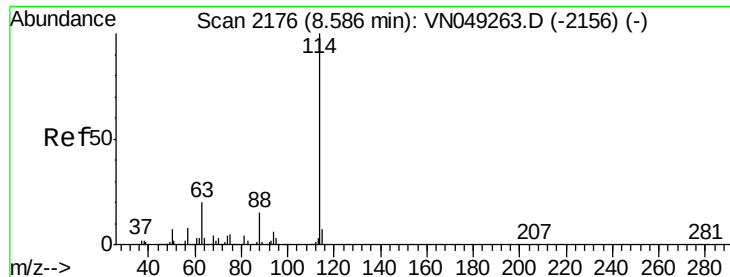
Tgt Ion: 65 Resp: 766661

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

Instrument :

MSVOA\_N

ClientSampleId :

PB110627TB

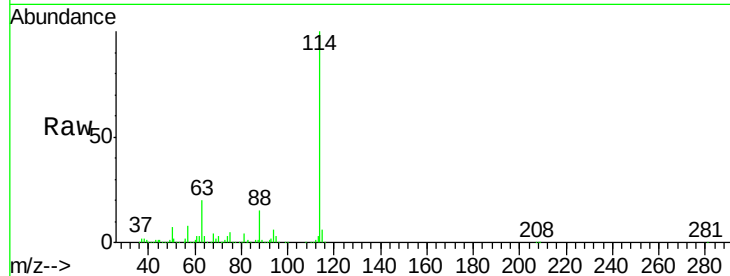
Tot Ion:114 Resp: 1866146

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

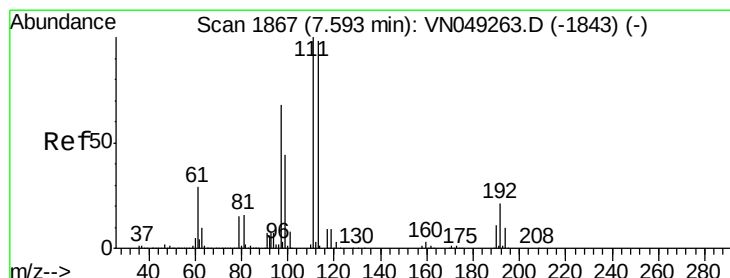
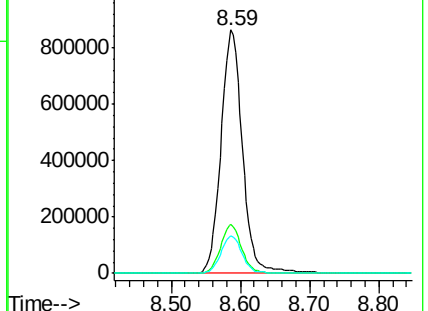
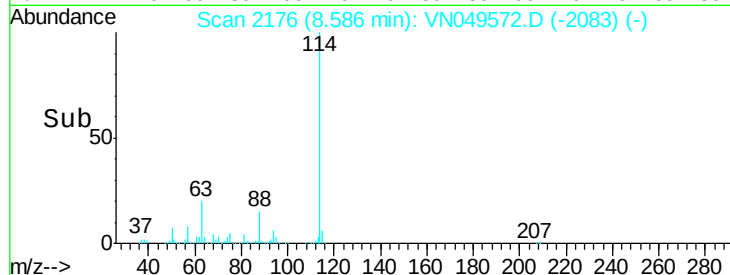
88 15.3 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 42.60 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

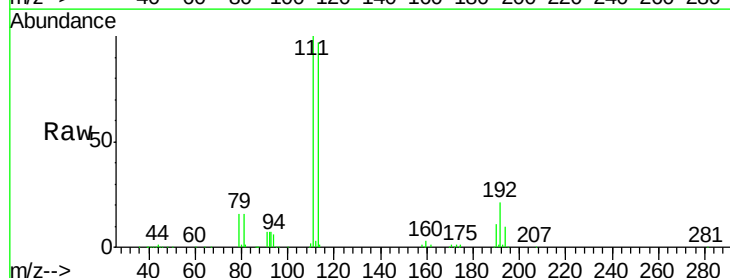
Tgt Ion:113 Resp: 643240

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

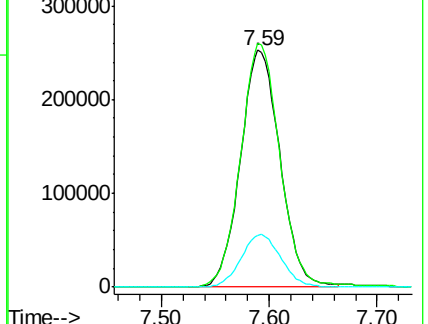
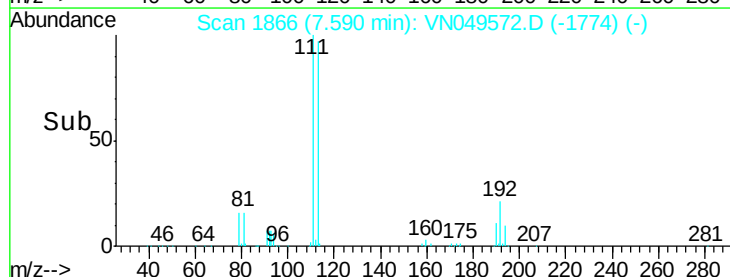
192 22.5 15.0 22.6

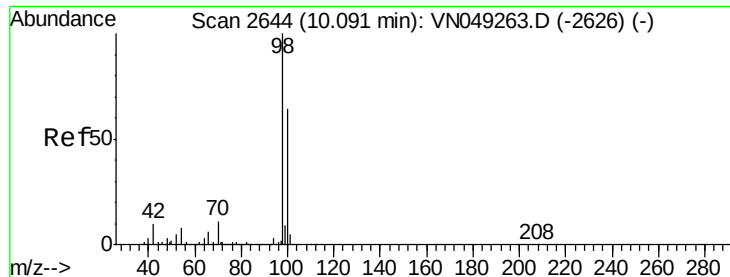


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 43.66 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

Instrument :

MSVOA\_N

ClientSampled :

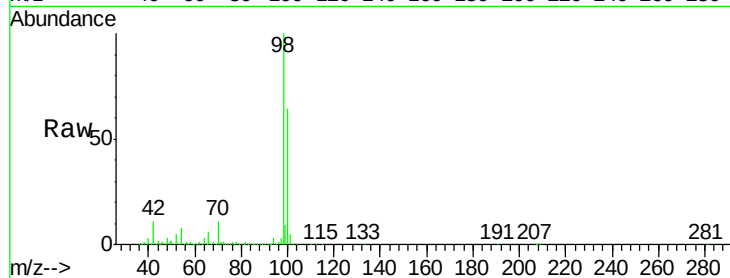
PB110627TB

Tot Ion: 98 Resp: 2509645

Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)

10.09

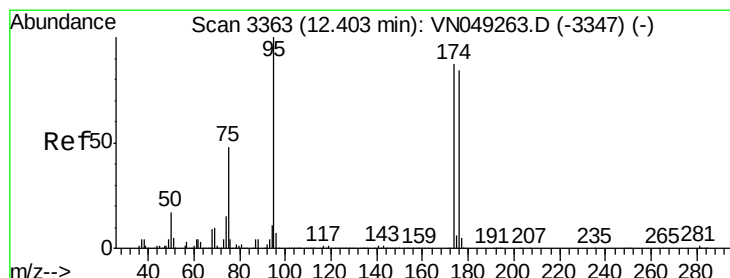
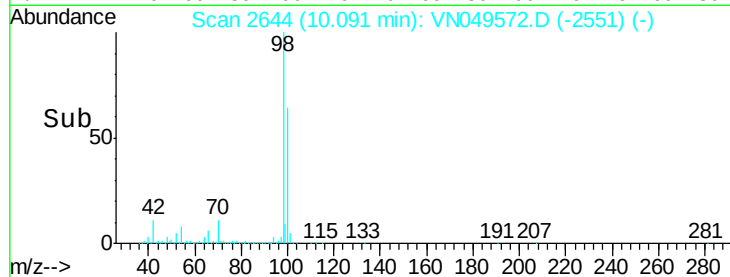
1500000

1000000

500000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 39.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

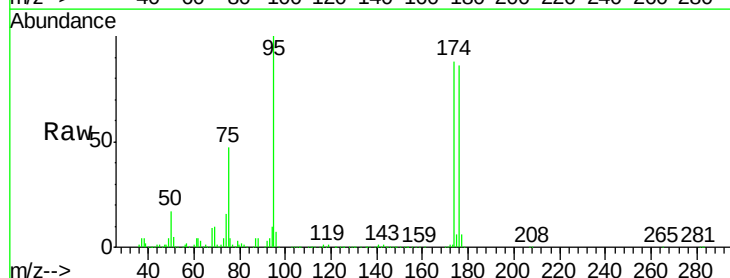
Tgt Ion: 95 Resp: 751322

Ion Ratio Lower Upper

95 100

174 89.6 0.0 165.6

176 86.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)

12.40

600000

500000

400000

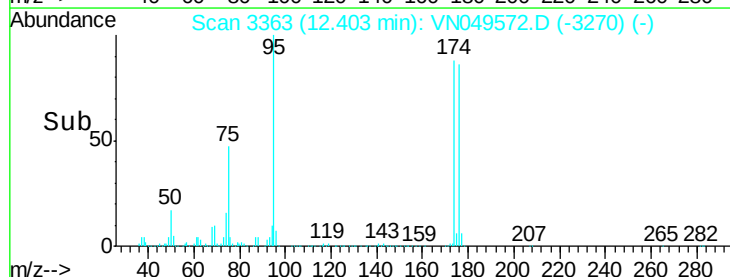
300000

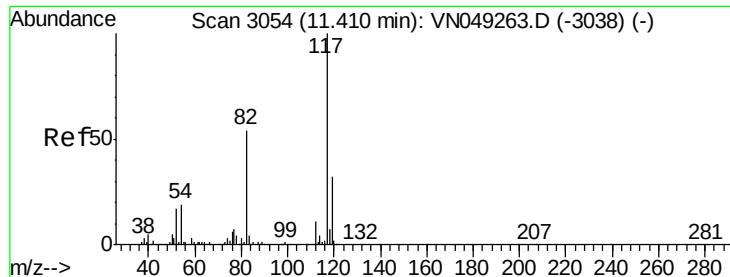
200000

100000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

Instrument :

MSVOA\_N

ClientSampled :

PB110627TB

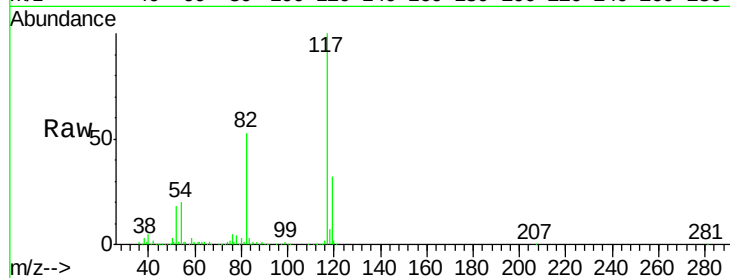
Tot Ion:117 Resp: 1552800

Ion Ratio Lower Upper

117 100

82 53.5 45.9 68.9

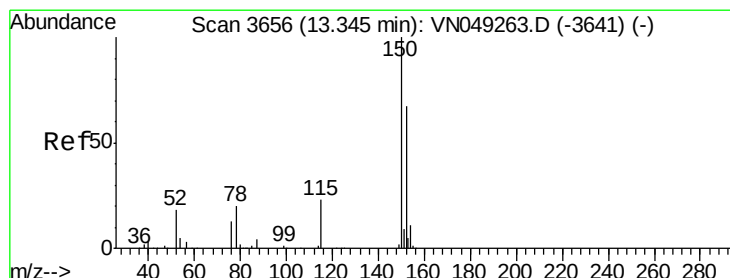
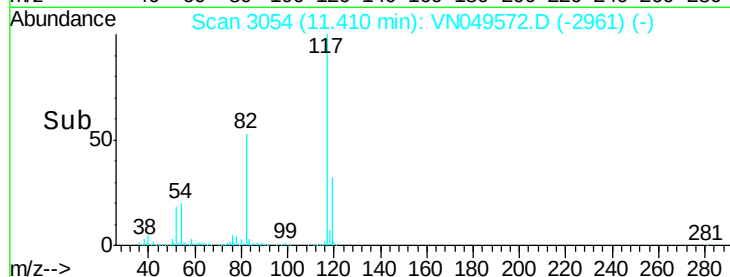
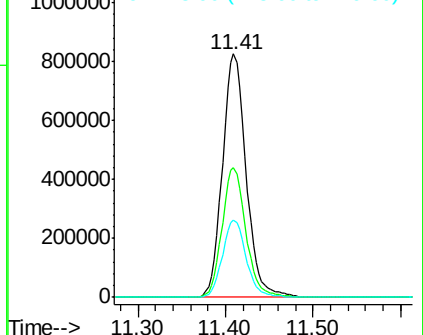
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049572.D

Acq: 27 Jun 2018 15:14

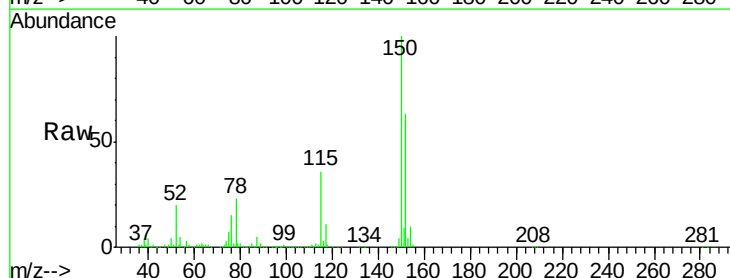
Tgt Ion:152 Resp: 614595

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.1

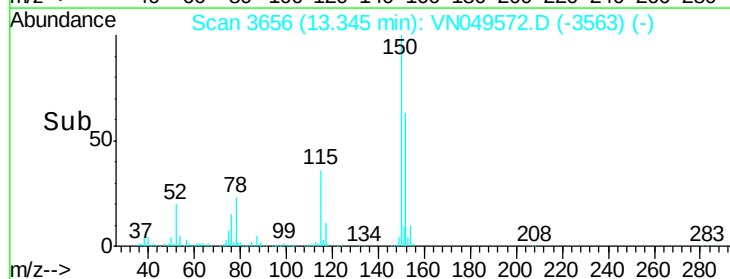
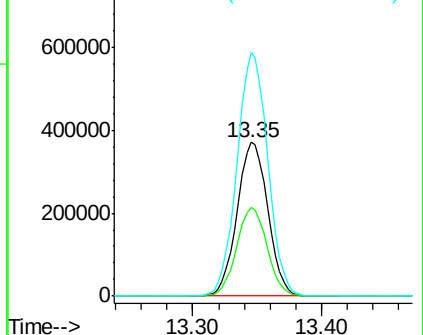
150 158.4 0.0 351.0



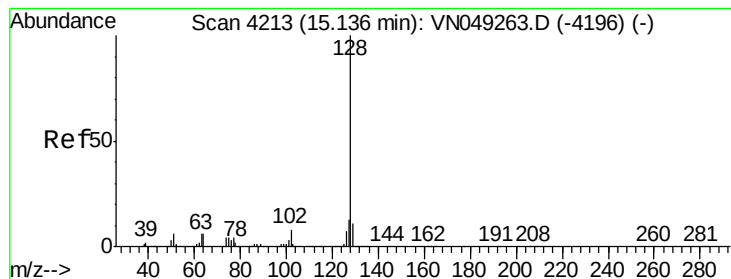
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V







#95

Naphthalene

Concen: 3.27 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049572.D

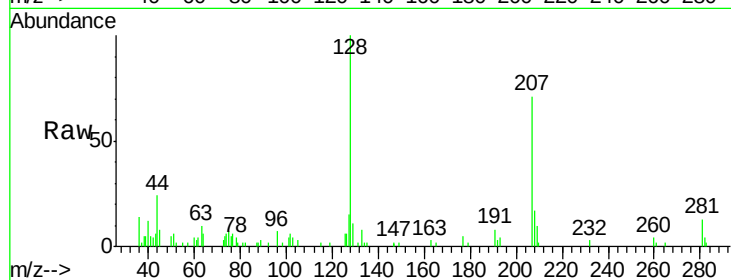
Acq: 27 Jun 2018 15:14

Instrument :

MSVOA\_N

ClientSampleId :

PB110627TB



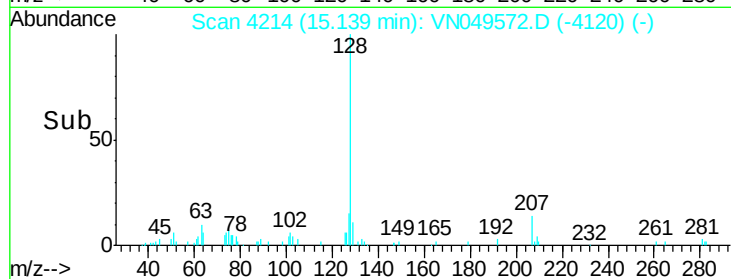
Tot Ion:128 Resp: 20277

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

