

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\  
 Data File : VN050829.D  
 Acq On : 22 Aug 2018 19:09  
 Operator : MD\SY  
 Sample : J4283-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-05-082118

Quant Time: Aug 23 03:26:40 2018  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082118W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 22 05:38:12 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 707838   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1152933  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 935933   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 322852   | 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   | 452155   | 53.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 106.12% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 430171   | 46.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.80%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1539155  | 44.88 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 89.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 413341   | 36.27 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 72.54%  |          |

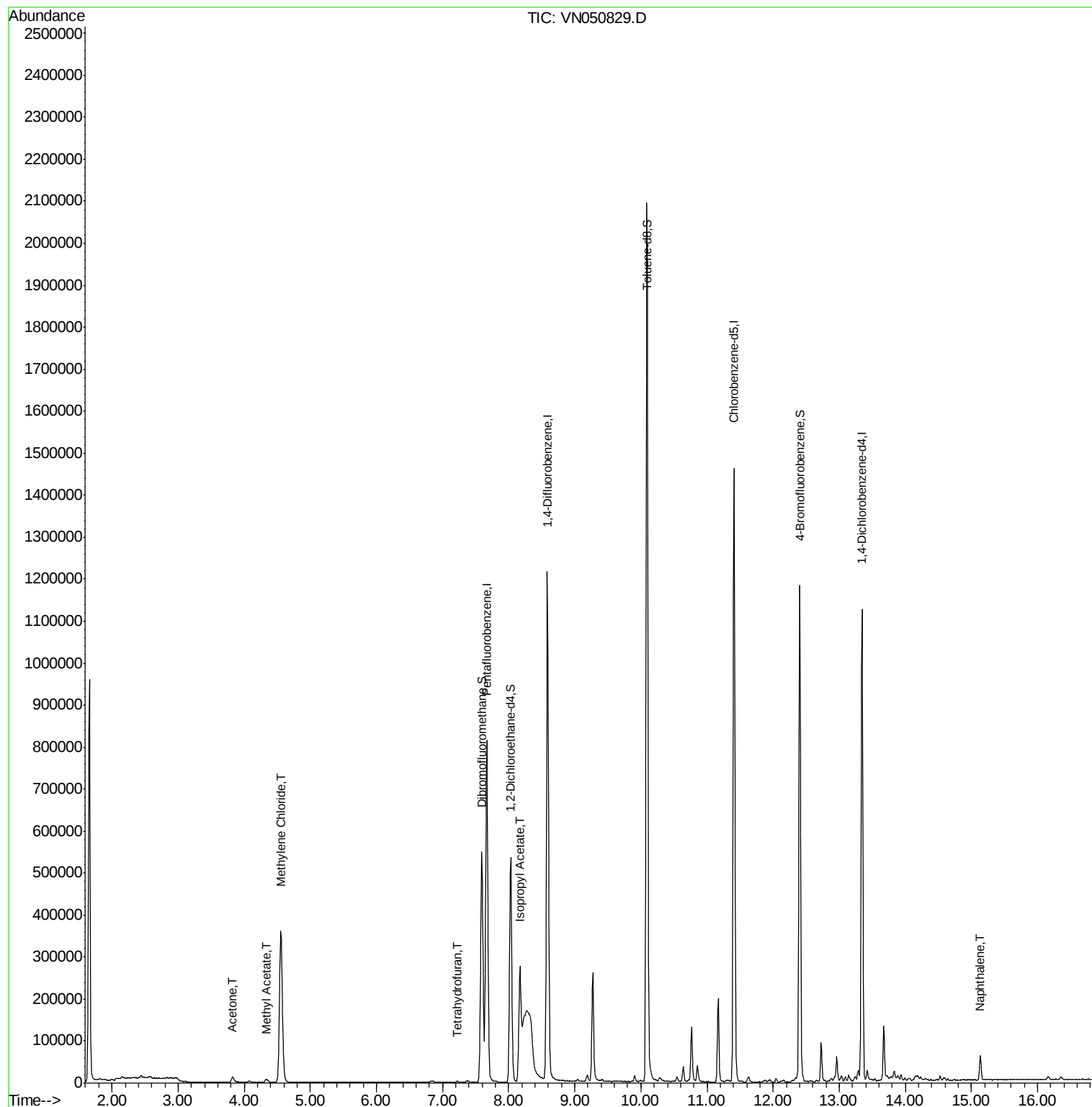
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.82  | 43   | 21589    | 3.74  | ug/l   | 97     |
| 18) Methyl Acetate     | 4.33  | 43   | 16536    | 2.06  | ug/l   | 94     |
| 20) Methylene Chloride | 4.55  | 84   | 288272   | 30.02 | ug/l   | 98     |
| 29) Tetrahydrofuran    | 7.23  | 42   | 2064     | 1.05  | ug/l # | 33     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 355418   | 26.45 | ug/l # | 91     |
| 95) Naphthalene        | 15.13 | 128  | 49310    | 8.81  | ug/l   | 99     |

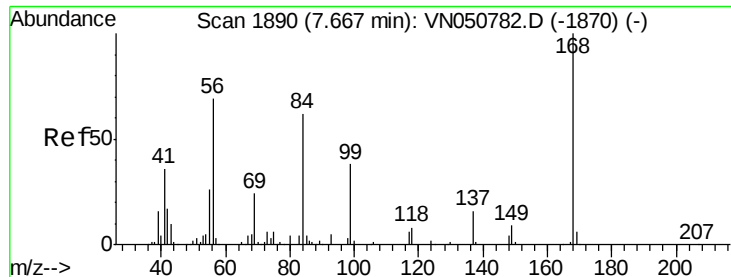
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\  
Data File : VN050829.D  
Acq On : 22 Aug 2018 19:09  
Operator : MD\SY  
Sample : J4283-04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-05-082118

Quant Time: Aug 23 03:26:40 2018  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082118W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 22 05:38:12 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

Instrument :

MSVOA\_N

ClientSampleId :

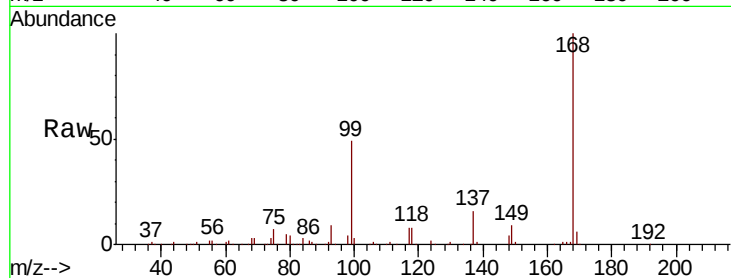
TR-05-082118

Tot Ion:168 Resp: 707838

Ion Ratio Lower Upper

168 100

99 49.3 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN050829.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050829.D (-1797) (-)

7.67

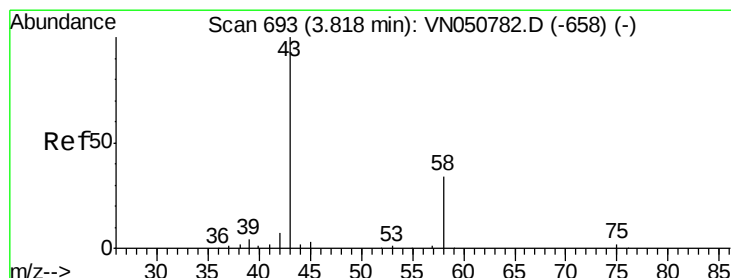
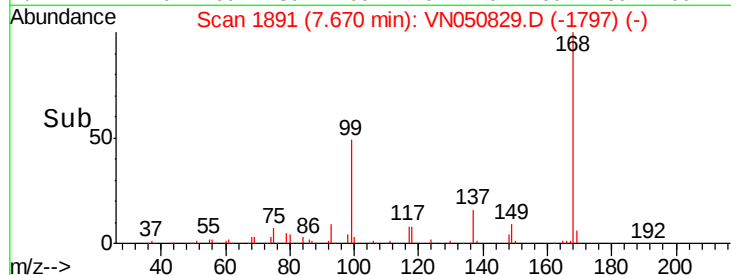
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.74 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050829.D

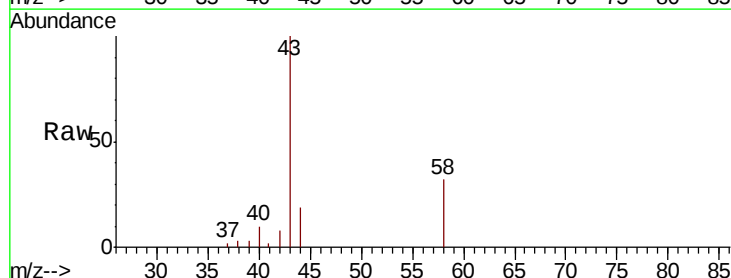
Acq: 22 Aug 2018 19:09

Tgt Ion: 43 Resp: 21589

Ion Ratio Lower Upper

43 100

58 32.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050829.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050829.D (-600) (-)

3.82

8000

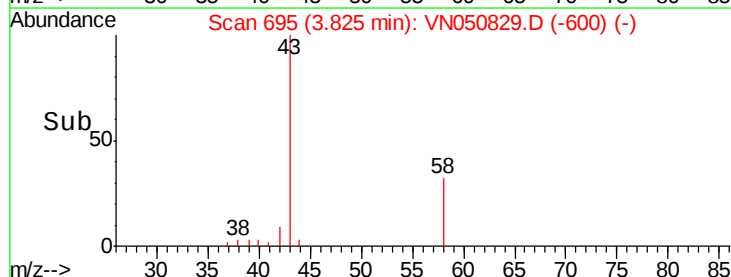
6000

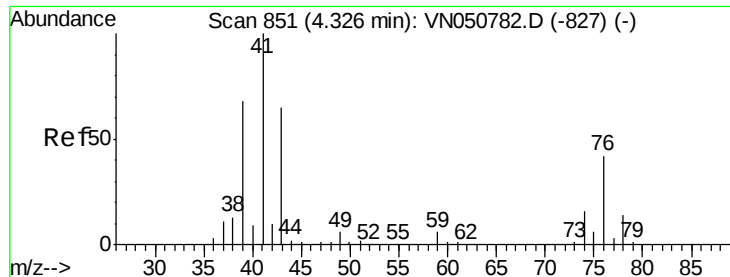
4000

2000

0

Time-->

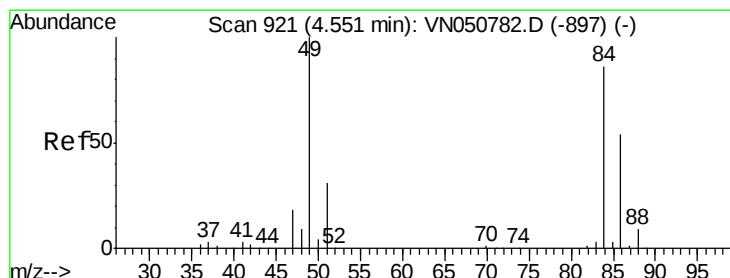
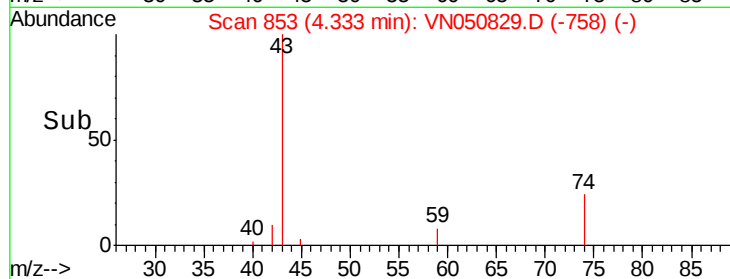
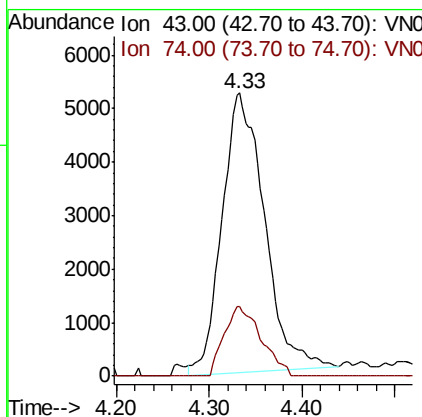
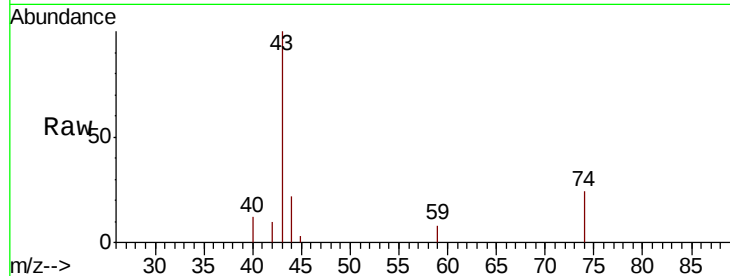




#18  
Methvl Acetate  
Concen: 2.06 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN050829.D  
Acq: 22 Aug 2018 19:09

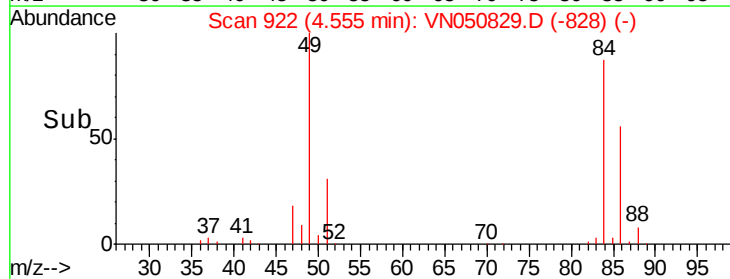
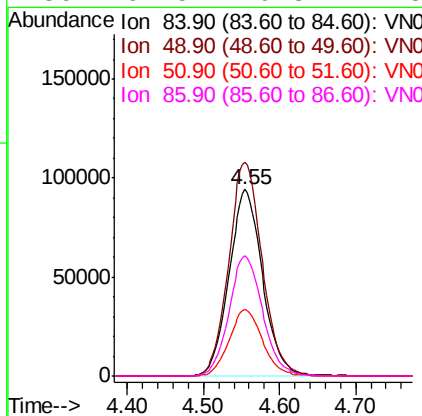
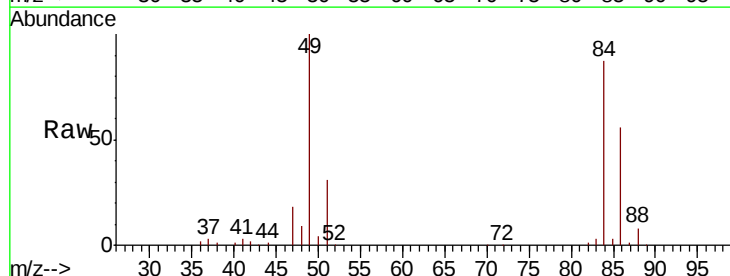
Instrument :  
MSVOA\_N  
ClientSampleId :  
TR-05-082118

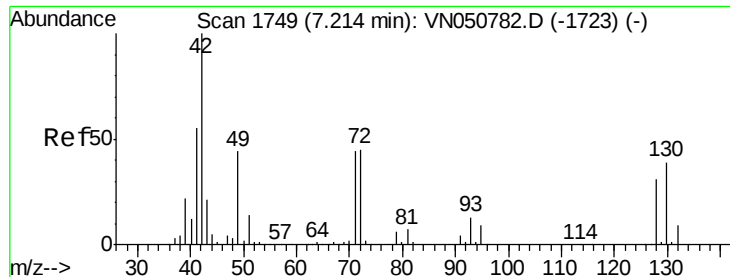
Tot Ion: 43 Resp: 16536  
Ion Ratio Lower Upper  
43 100  
74 21.8 19.8 29.8



#20  
Methylene Chloride  
Concen: 30.02 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN050829.D  
Acq: 22 Aug 2018 19:09

Tgt Ion: 84 Resp: 288272  
Ion Ratio Lower Upper  
84 100  
49 114.6 93.2 139.8  
51 35.4 29.0 43.6  
86 64.5 49.8 74.8





#29

Tetrahydrofuran

Concen: 1.05 ug/l

RT: 7.23 min Scan# 1755

Delta R.T. 0.02 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

Instrument :

MSVOA\_N

ClientSampleId :

TR-05-082118

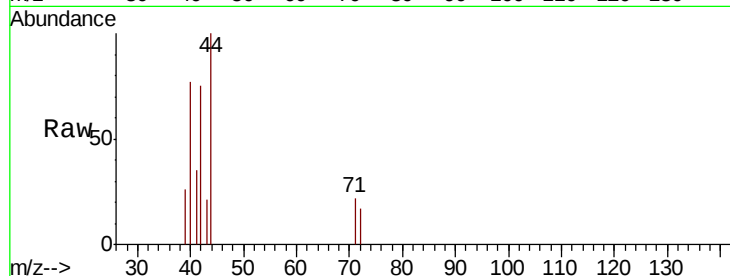
Tot Ion: 42 Resp: 2064

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

71 0.0 33.7 50.5#

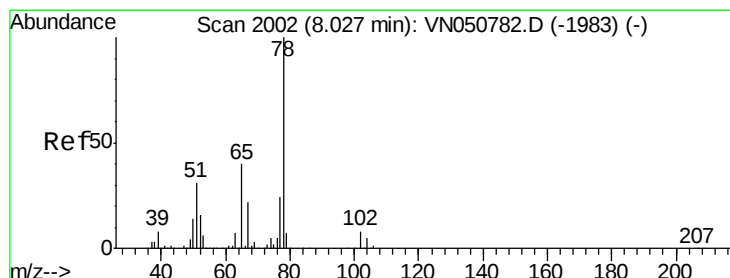
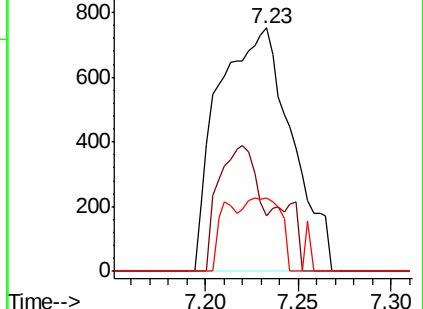
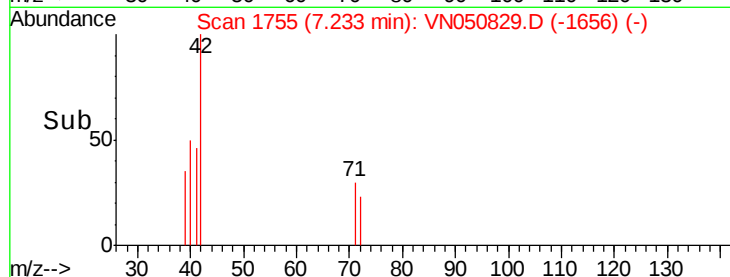


Abundance Ion 42.00 (41.70 to 42.70): VN050782.D (-1723) (-)

Ion 72.00 (71.70 to 72.70): VN050782.D (-1723) (-)

Ion 71.00 (70.70 to 71.70): VN050782.D (-1723) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 53.06 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050829.D

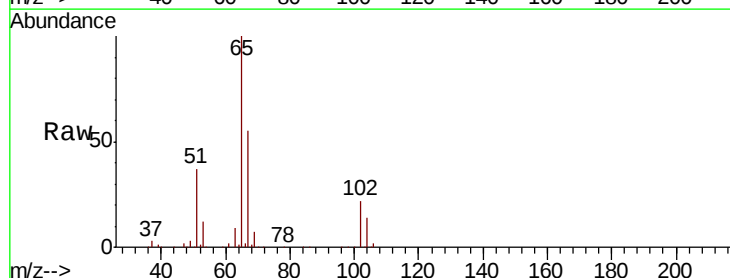
Acq: 22 Aug 2018 19:09

Tgt Ion: 65 Resp: 452155

Ion Ratio Lower Upper

65 100

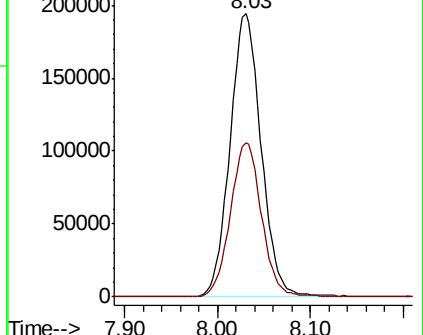
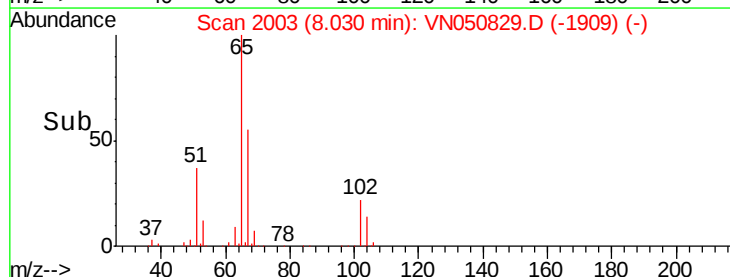
67 54.6 0.0 110.4

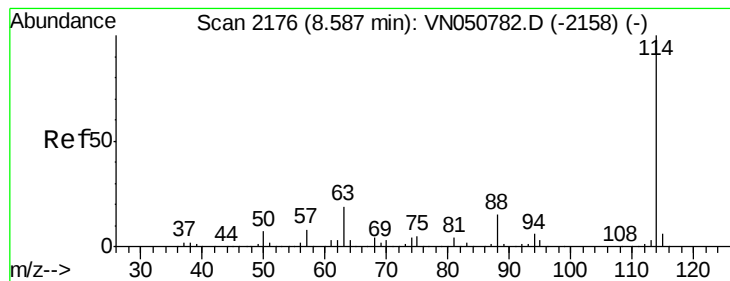


Abundance Ion 64.90 (64.60 to 65.60): VN050782.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050782.D (-1983) (-)

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

Instrument :

MSVOA\_N

ClientSampleId :

TR-05-082118

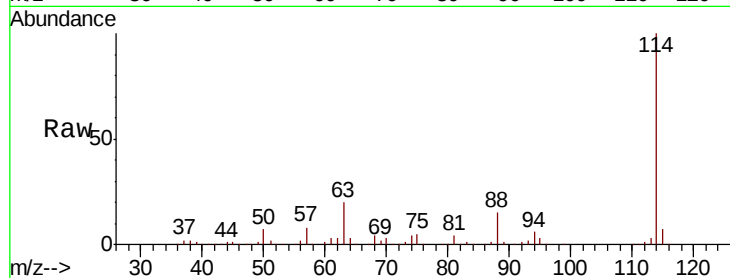
Tot Ion:114 Resp: 1152933

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.6

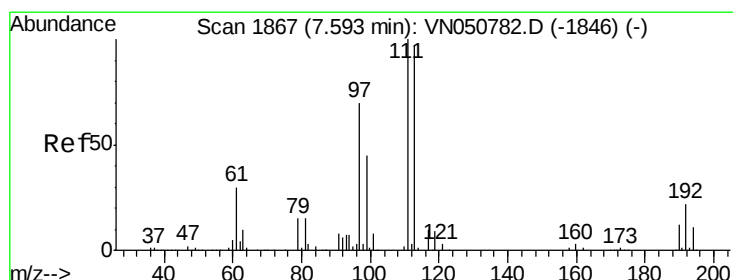
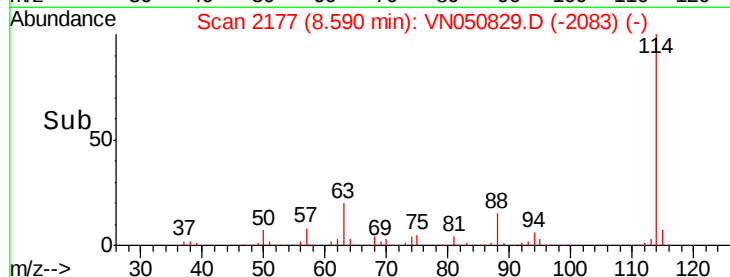
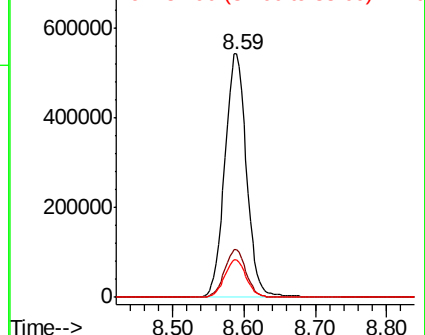
88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.90 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

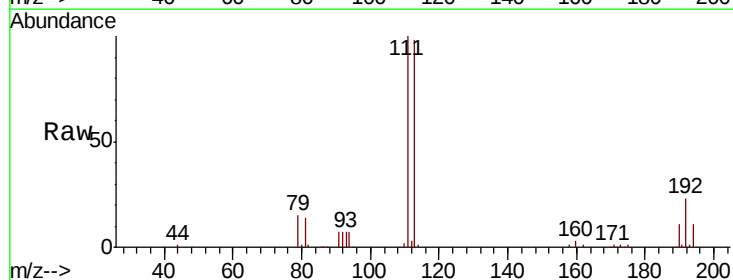
Tgt Ion:113 Resp: 430171

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

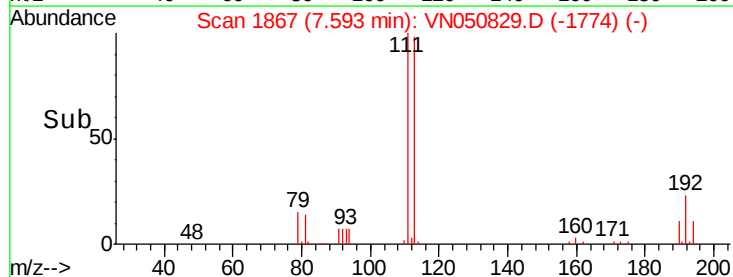
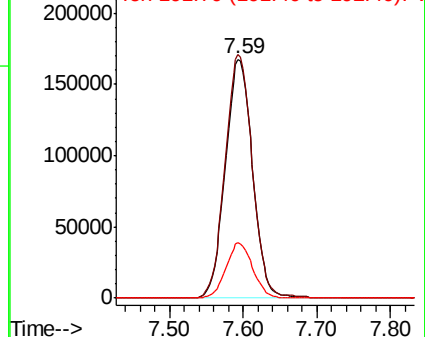
192 22.7 18.0 27.0

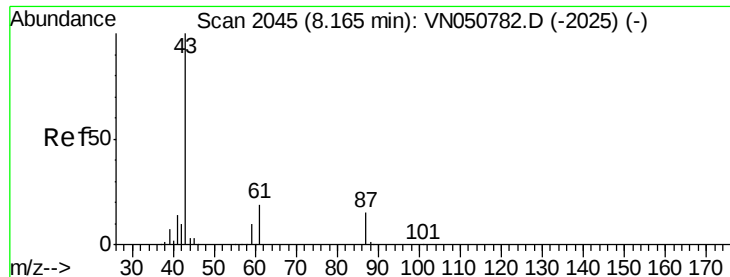


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 26.45 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

Instrument :

MSVOA\_N

ClientSampleId :

TR-05-082118

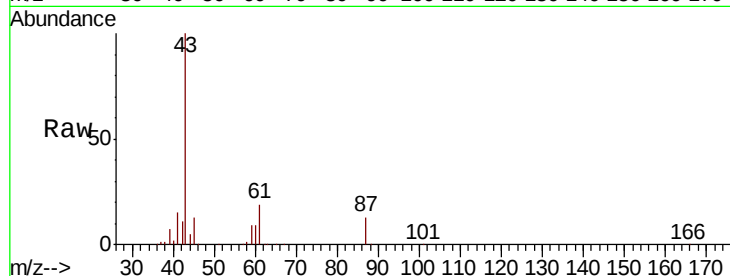
Tot Ion: 43 Resp: 355418

Ion Ratio Lower Upper

43 100

61 17.2 17.5 26.3#

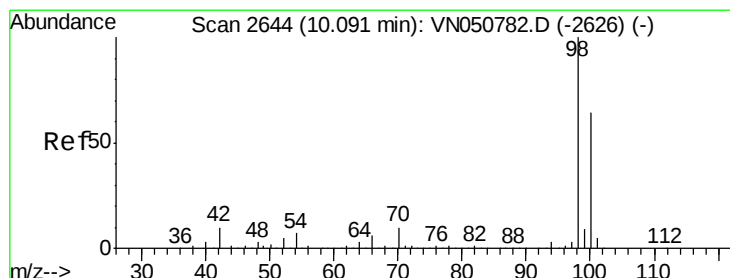
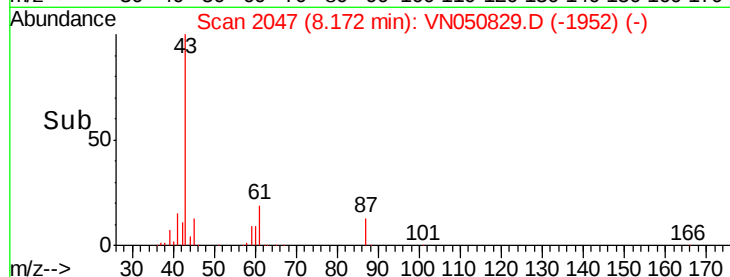
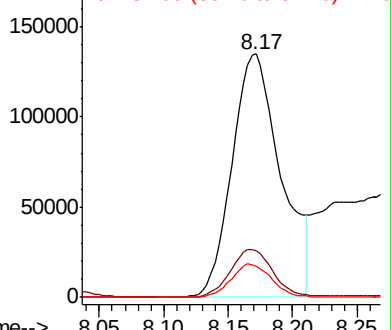
87 11.3 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 44.88 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050829.D

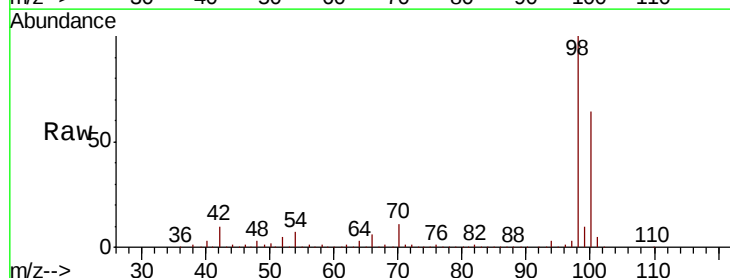
Acq: 22 Aug 2018 19:09

Tgt Ion: 98 Resp: 1539155

Ion Ratio Lower Upper

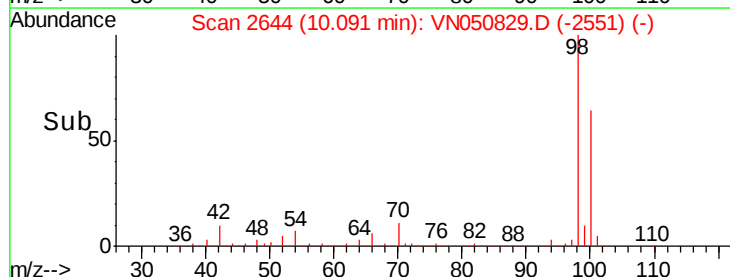
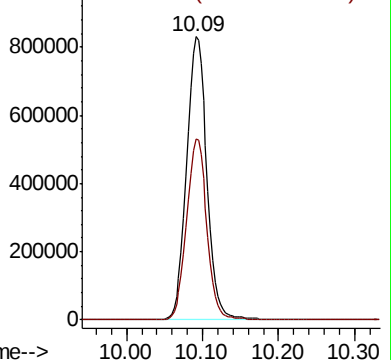
98 100

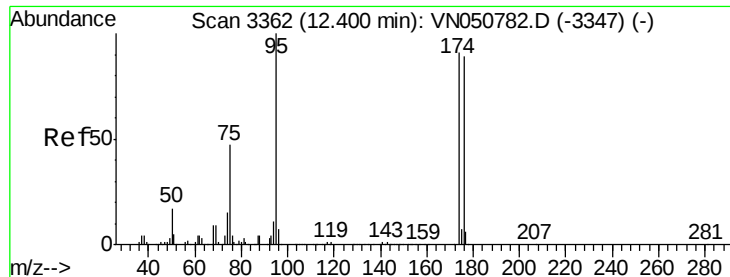
100 63.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

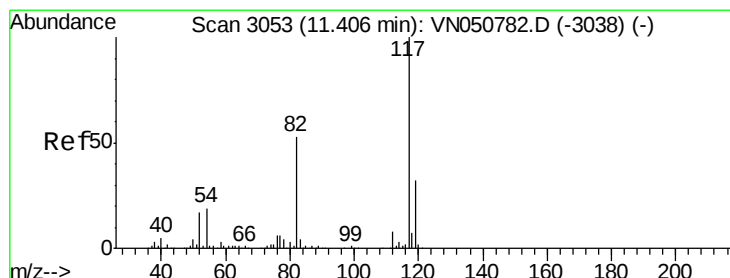
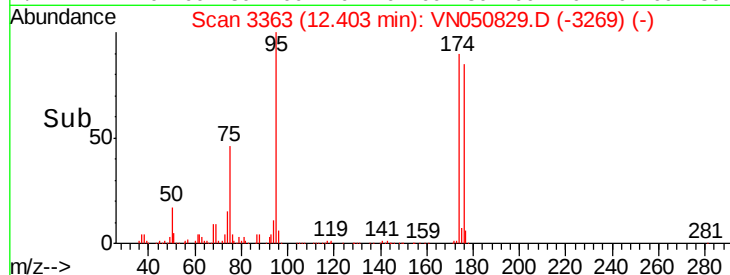
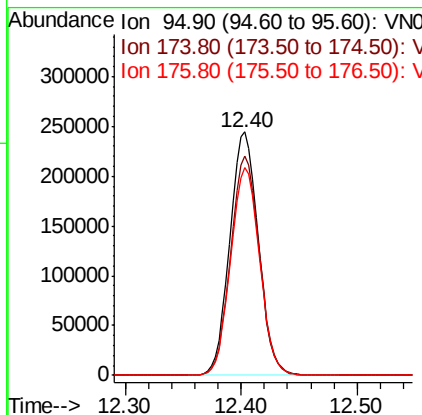
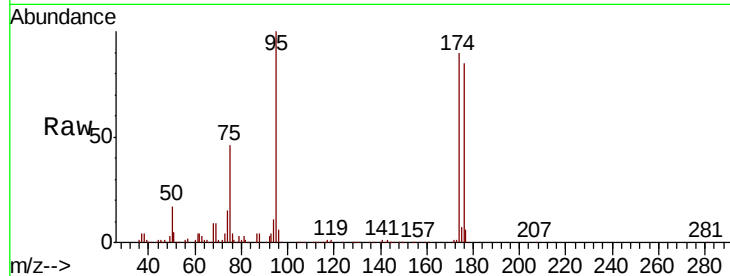




#62  
 4-Bromofluorobenzene  
 Concen: 36.27 ug/l  
 RT: 12.40 min Scan# 3363  
 Delta R.T. 0.00 min  
 Lab File: VN050829.D  
 Acq: 22 Aug 2018 19:09

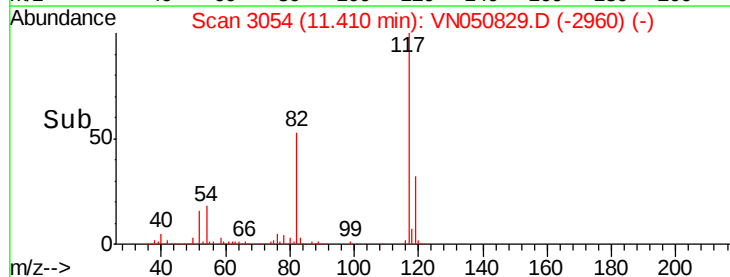
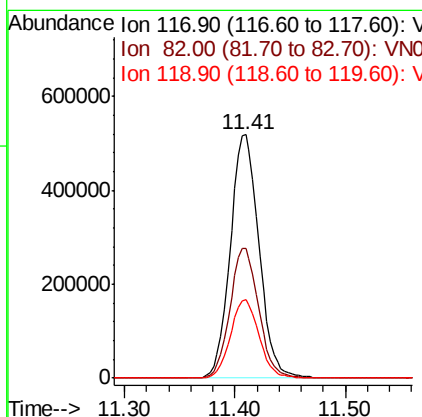
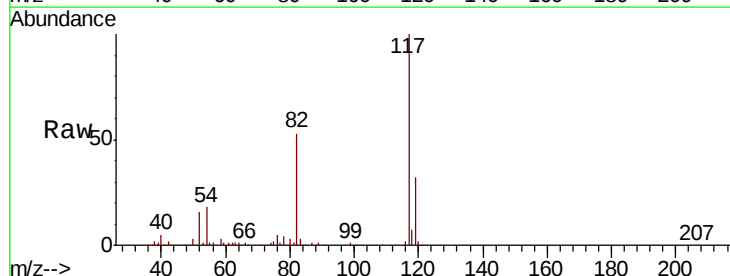
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TR-05-082118

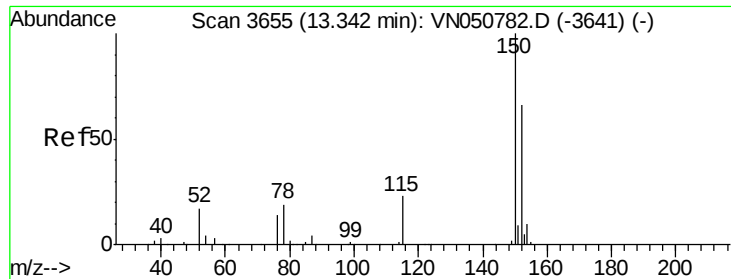
Tot Ion: 95 Resp: 413341  
 Ion Ratio Lower Upper  
 95 100  
 174 91.0 0.0 183.0  
 176 86.7 0.0 178.8



#63  
 Chlorobenzene-d5  
 Concen: 50.00 ug/l  
 RT: 11.41 min Scan# 3054  
 Delta R.T. 0.00 min  
 Lab File: VN050829.D  
 Acq: 22 Aug 2018 19:09

Tgt Ion: 117 Resp: 935933  
 Ion Ratio Lower Upper  
 117 100  
 82 53.0 42.6 64.0  
 119 32.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

Instrument :

MSVOA\_N

ClientSampleId :

TR-05-082118

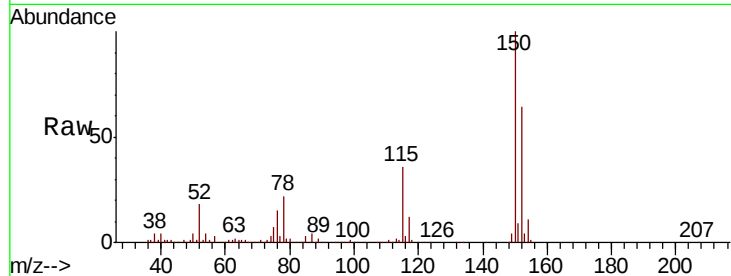
Tot Ion:152 Resp: 322852

Ion Ratio Lower Upper

152 100

115 56.9 27.8 83.4

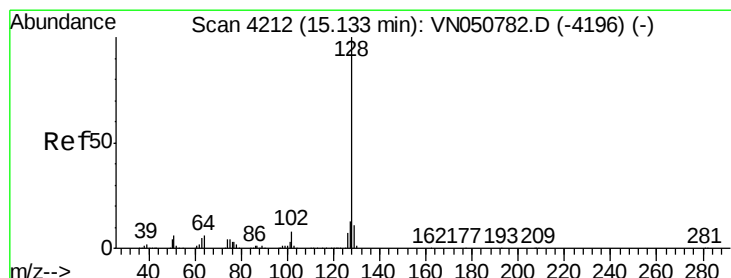
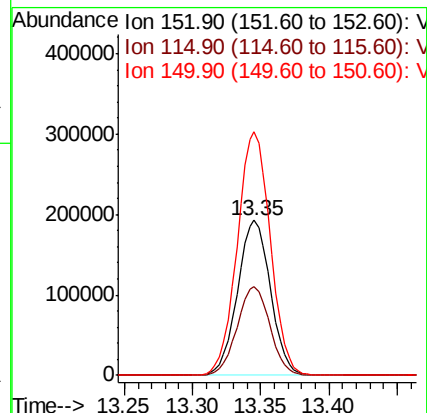
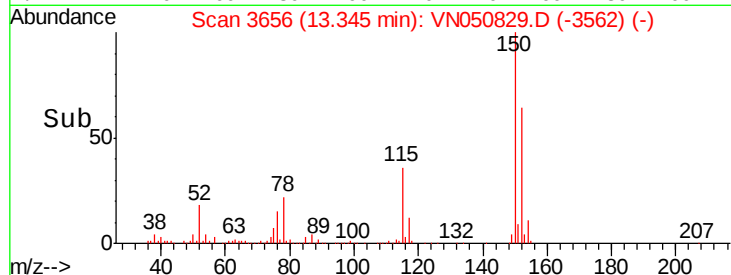
150 157.3 0.0 351.4



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



#95

Naphthalene

Concen: 8.81 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050829.D

Acq: 22 Aug 2018 19:09

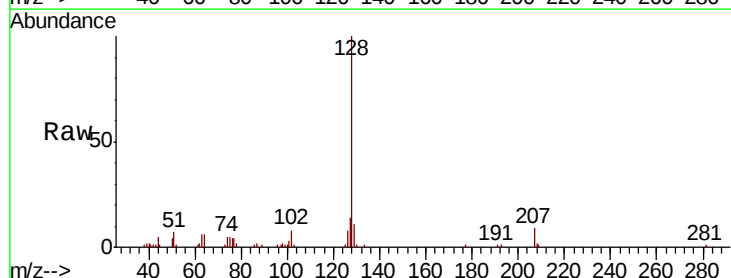
Tgt Ion:128 Resp: 49310

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

129 11.4 8.7 13.1



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

