

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049278.D  
 Acq On : 15 Jun 2018 23:35  
 Operator : MD\SY  
 Sample : PB110255ZHE#09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110255ZHE#09

Quant Time: Jun 16 02:27:26 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  | 1319311  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2132094  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1751336  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 494275   | 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   | 867125   | 49.55 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.10% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 783657   | 45.43 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.86% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2897560  | 44.12 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.24% |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 722894   | 33.29 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 66.58% |          |

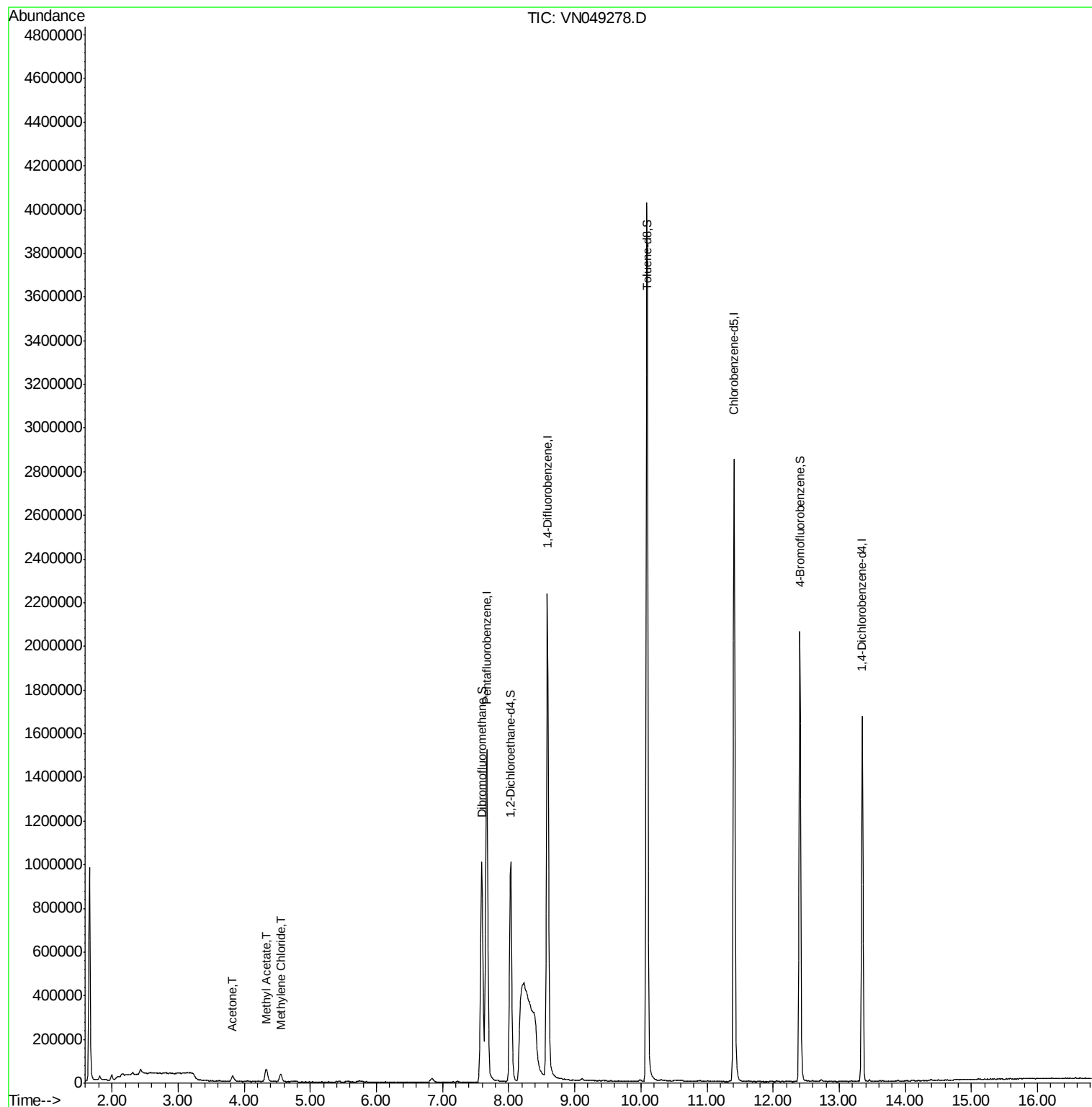
| Target Compounds       | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------|------|------|----------|------|-------|--------|
| 16) Acetone            | 3.83 | 43   | 40616    | 9.56 | ug/l  | 93     |
| 18) Methyl Acetate     | 4.33 | 43   | 117921   | 9.10 | ug/l  | 96     |
| 20) Methylene Chloride | 4.56 | 84   | 25470    | 1.44 | ug/l  | 87     |

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

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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: VN049278.D

Acq: 15 Jun 2018 23:35

Instrument :

MSVOA\_N

ClientSampleId :

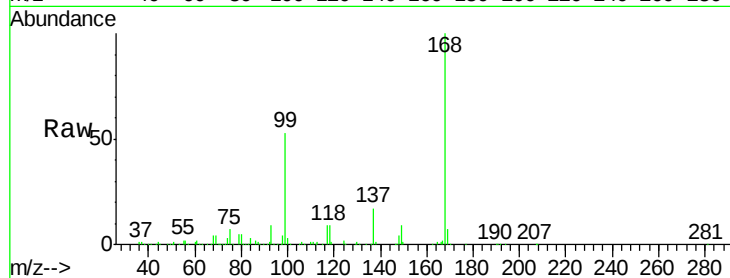
PB110255ZHE#09

Tot Ion:168 Resp: 1319311

Ion Ratio Lower Upper

168 100

99 53.3 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

600000

500000

400000

300000

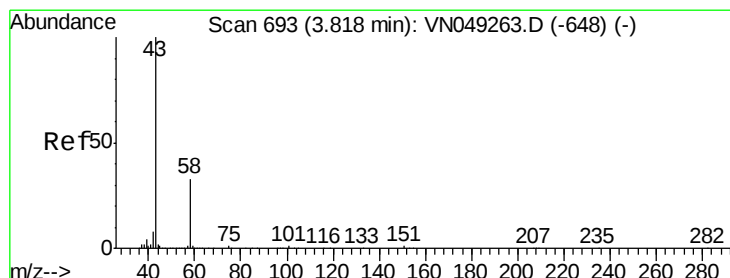
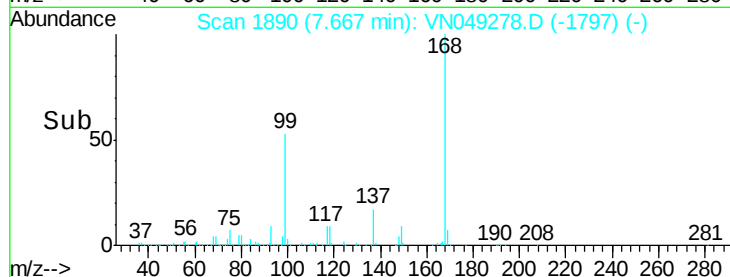
200000

100000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 9.56 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049278.D

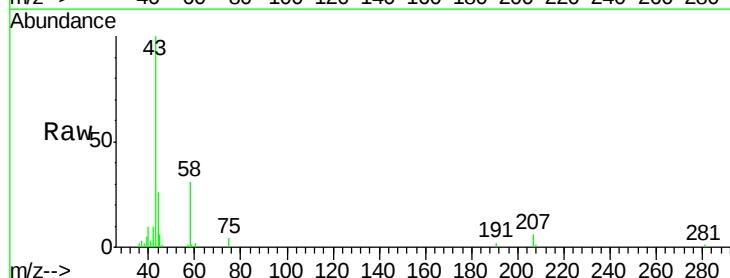
Acq: 15 Jun 2018 23:35

Tgt Ion: 43 Resp: 40616

Ion Ratio Lower Upper

43 100

58 31.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

15000

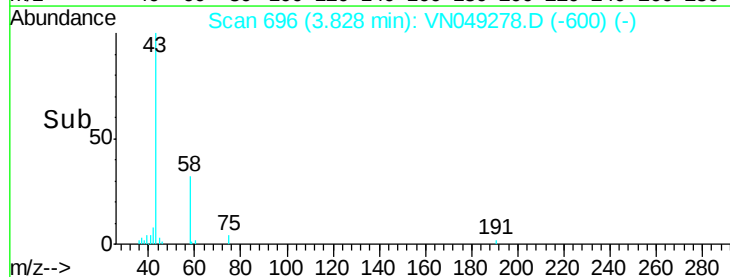
10000

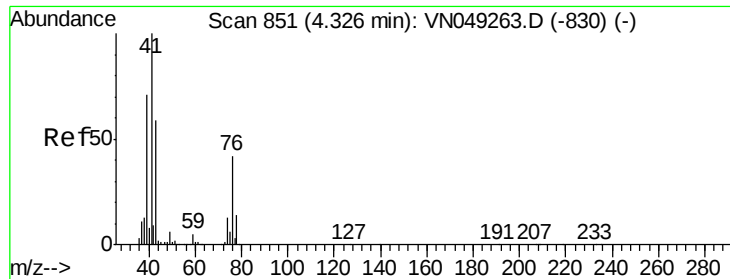
5000

0

Time-->

3.75 3.80 3.85 3.90

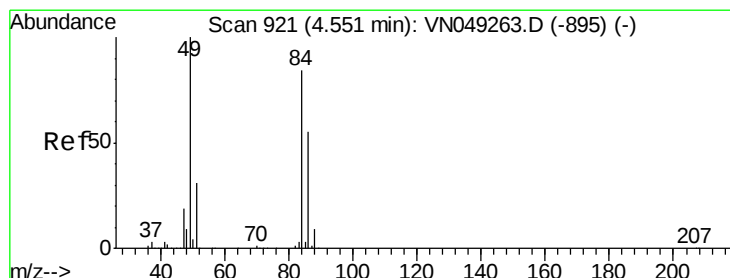
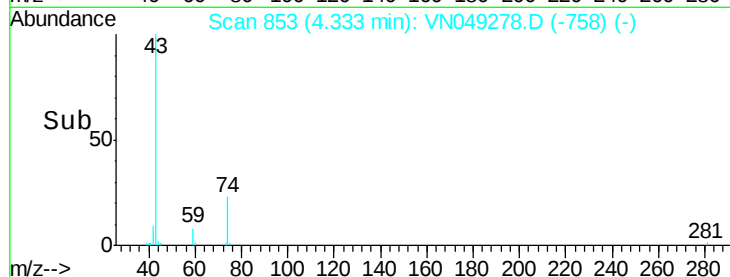
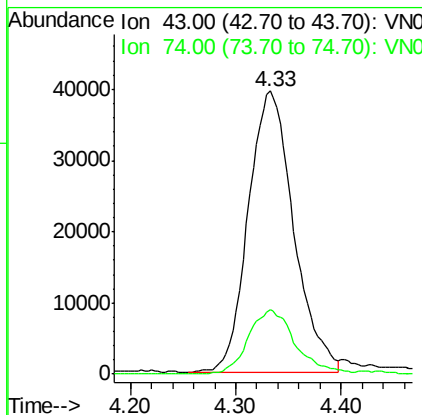
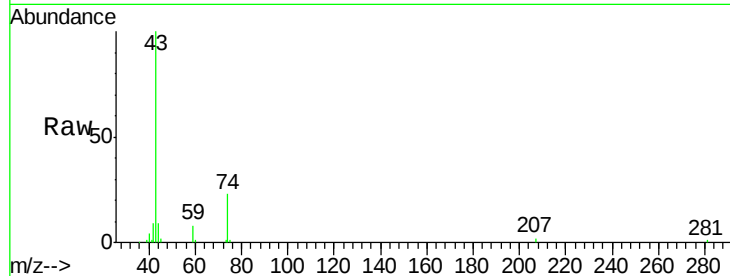




#18  
Methvl Acetate  
Concen: 9.10 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049278.D  
Acq: 15 Jun 2018 23:35

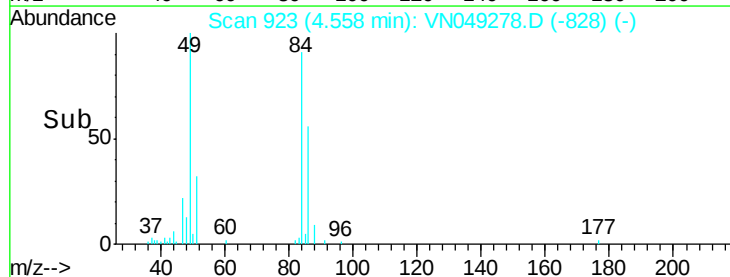
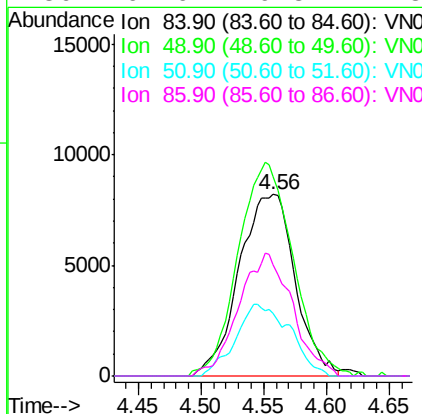
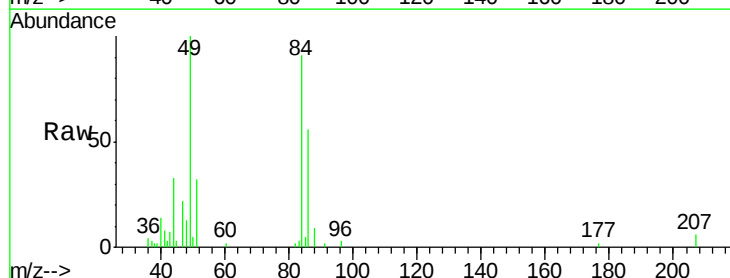
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110255ZHE#09

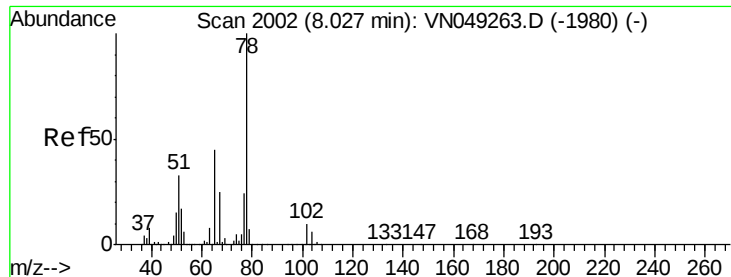
Tot Ion: 43 Resp: 117921  
Ion Ratio Lower Upper  
43 100  
74 23.6 17.4 26.0



#20  
Methylene Chloride  
Concen: 1.44 ug/l  
RT: 4.56 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VN049278.D  
Acq: 15 Jun 2018 23:35

Tgt Ion: 84 Resp: 25470  
Ion Ratio Lower Upper  
84 100  
49 109.8 106.9 160.3  
51 34.7 32.7 49.1  
86 61.6 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 49.55 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049278.D

Acq: 15 Jun 2018 23:35

Instrument :

MSVOA\_N

ClientSampleId :

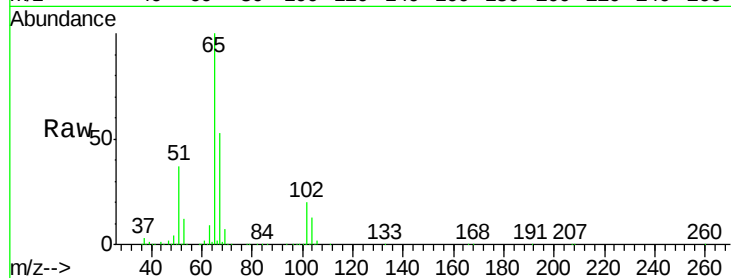
PB110255ZHE#09

Tot Ion: 65 Resp: 867125

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049278.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049278.D (-1980) (-)

8.03

400000

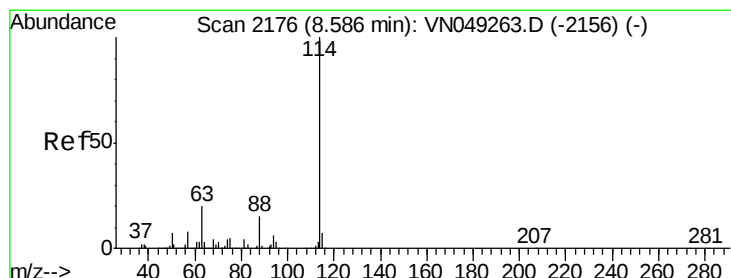
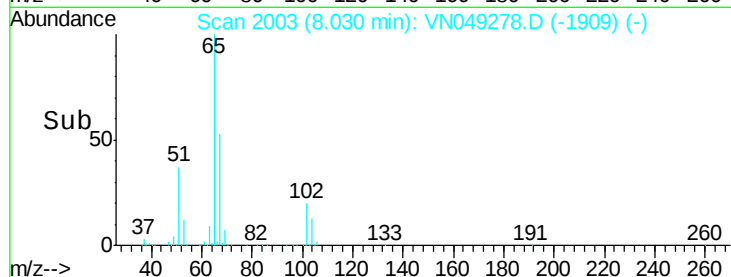
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049278.D

Acq: 15 Jun 2018 23:35

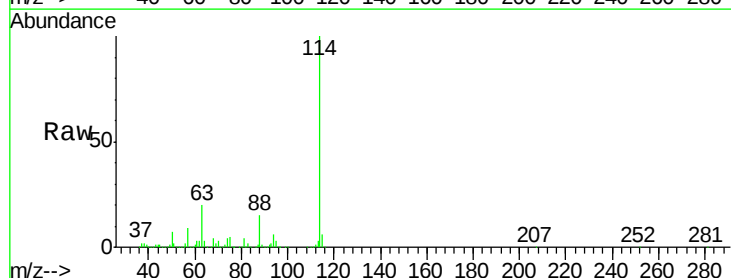
Tgt Ion: 114 Resp: 2132094

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.4

88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049278.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049278.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049278.D (-2083) (-)

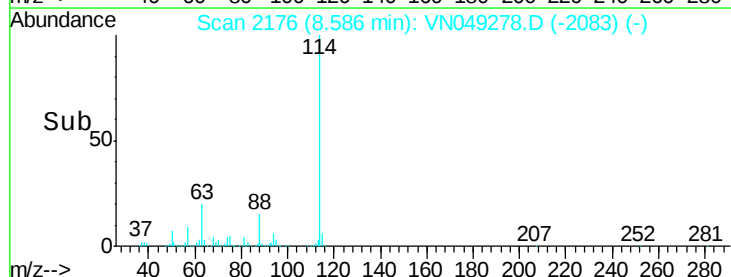
8.59

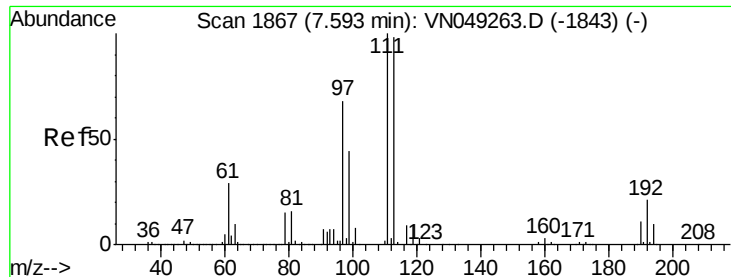
1000000

500000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.43 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049278.D

Acq: 15 Jun 2018 23:35

Instrument :

MSVOA\_N

ClientSampleId :

PB110255ZHE#09

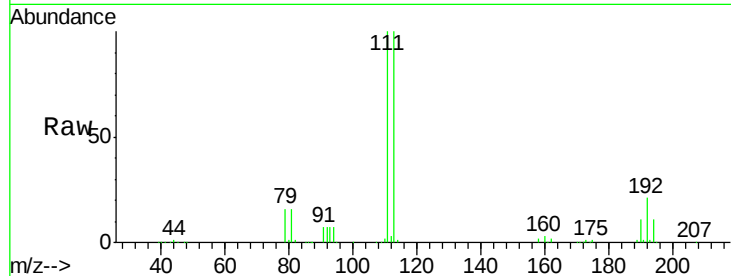
Tot Ion:113 Resp: 783657

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

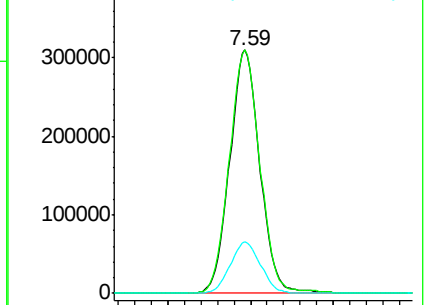
192 21.2 15.0 22.6



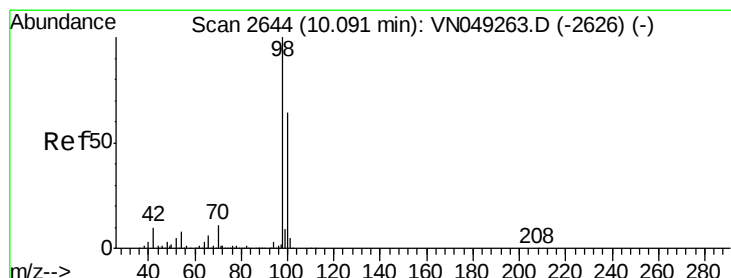
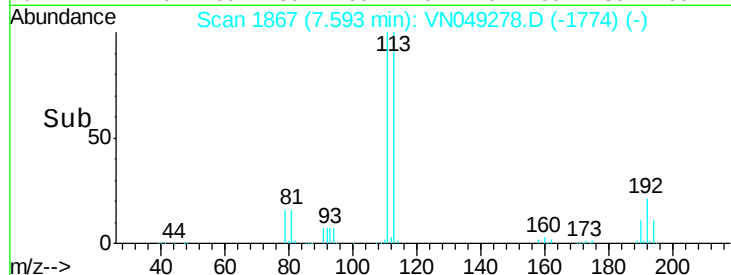
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#50

Toluene-d8

Concen: 44.12 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049278.D

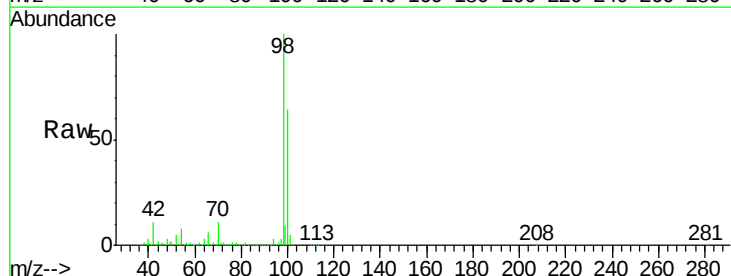
Acq: 15 Jun 2018 23:35

Tgt Ion: 98 Resp: 2897560

Ion Ratio Lower Upper

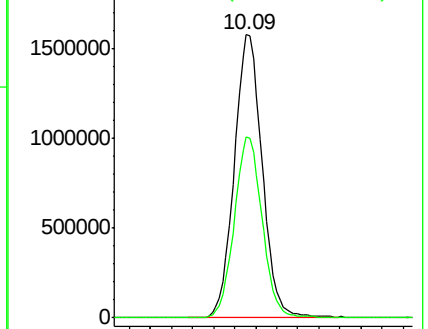
98 100

100 63.9 49.8 74.8

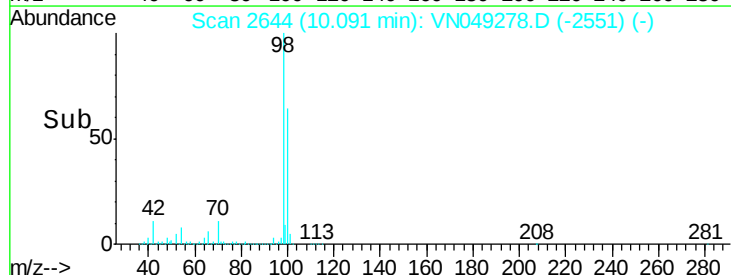


Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN



Time-->





#62

4-Bromofluorobenzene

Concen: 33.29 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049278.D

Acq: 15 Jun 2018 23:35

Instrument :

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ClientSampleId :

PB110255ZHE#09

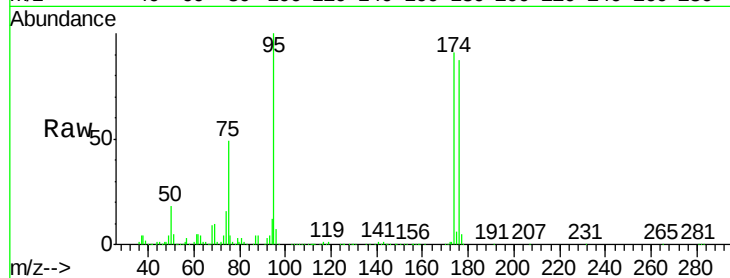
Tot Ion: 95 Resp: 722894

Ion Ratio Lower Upper

95 100

174 89.6 0.0 165.6

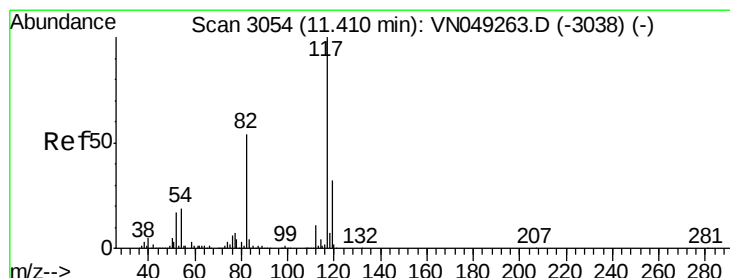
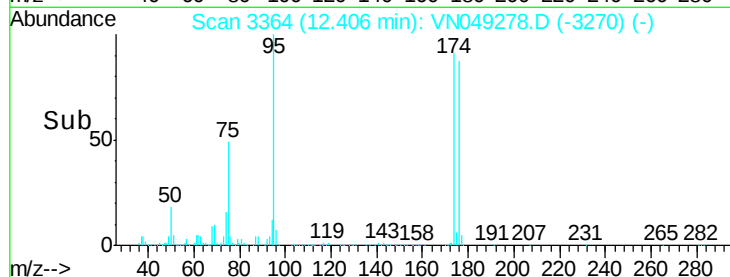
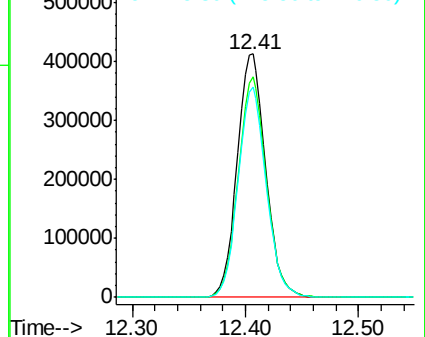
176 85.3 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049278.D

Acq: 15 Jun 2018 23:35

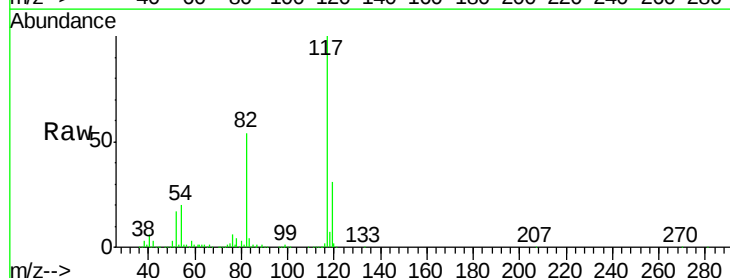
Tgt Ion: 117 Resp: 1751336

Ion Ratio Lower Upper

117 100

82 53.7 45.9 68.9

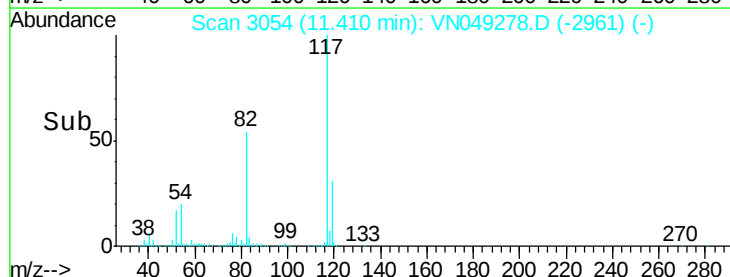
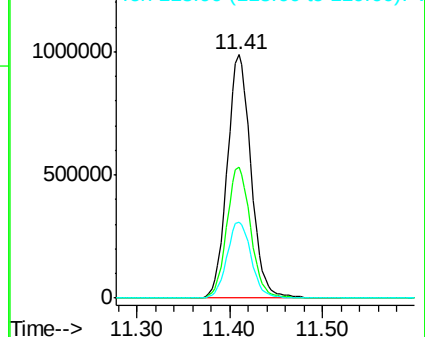
119 31.4 25.5 38.3

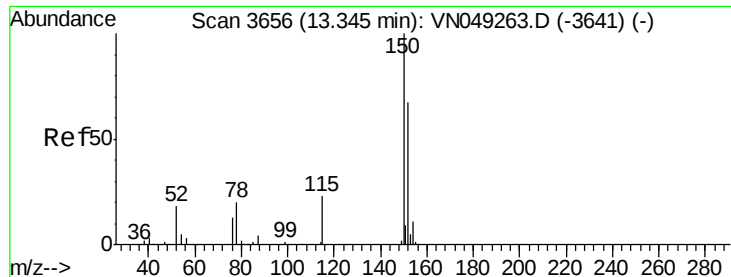


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

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MSVOA\_N

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PB110255ZHE#09

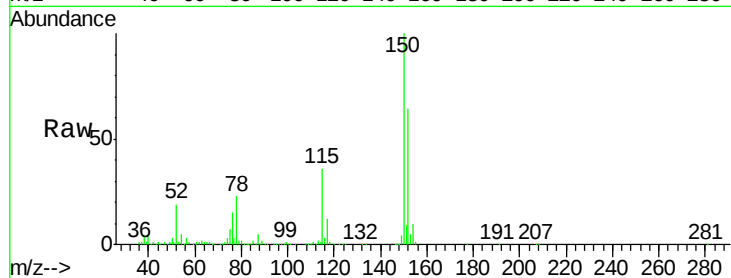
Tot Ion:152 Resp: 494275

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.1

150 155.0 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

