

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
 Data File : VN049969.D  
 Acq On : 20 Jul 2018 18:05  
 Operator : MD\SY  
 Sample : PB111289ZHE#09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#09

Quant Time: Jul 21 02:19:45 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 01:58:39 2018  
 Response via : Initial Calibration

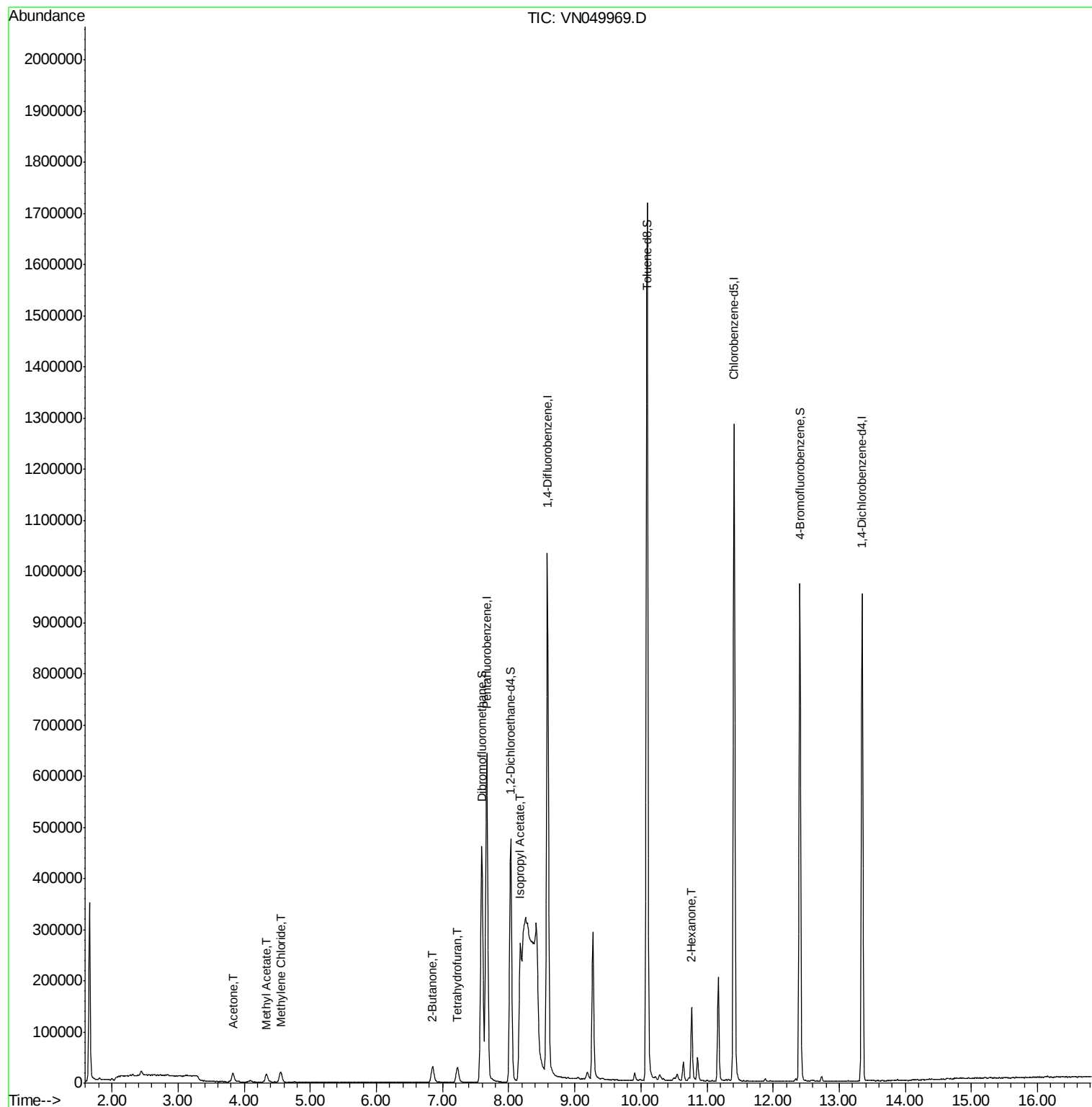
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 546353   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 938165   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 772653   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 270712   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 402023   | 53.54 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.08% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 352814   | 44.80 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.60%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1239673  | 43.20 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.40%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 328434   | 33.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 66.46%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.83  | 43   | 28603    | 14.71 | ug/l    | 90       |
| 18) Methyl Acetate          | 4.34  | 43   | 28922    | 3.97  | ug/l    | 100      |
| 20) Methylene Chloride      | 4.55  | 84   | 15359    | 2.08  | ug/l    | 96       |
| 25) 2-Butanone              | 6.85  | 43   | 46598    | 16.77 | ug/l    | 92       |
| 29) Tetrahydrofuran         | 7.22  | 42   | 23356    | 13.34 | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 317659   | 25.38 | ug/l #  | 92       |
| 59) 2-Hexanone              | 10.77 | 43   | 19855    | 4.23  | ug/l #  | 59       |

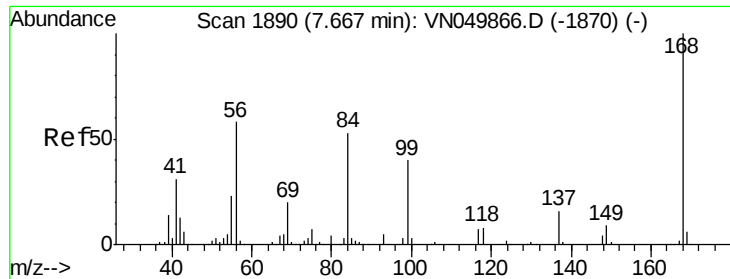
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072018\  
Data File : VN049969.D  
Acq On : 20 Jul 2018 18:05  
Operator : MD\SY  
Sample : PB111289ZHE#09  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#09

Quant Time: Jul 21 02:19:45 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 19 01:58:39 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: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

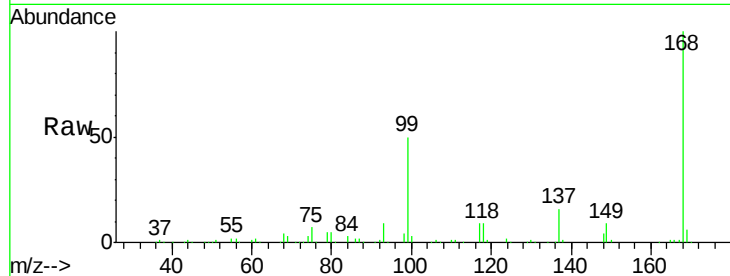
PB111289ZHE#09

Tot Ion:168 Resp: 546353

Ion Ratio Lower Upper

168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

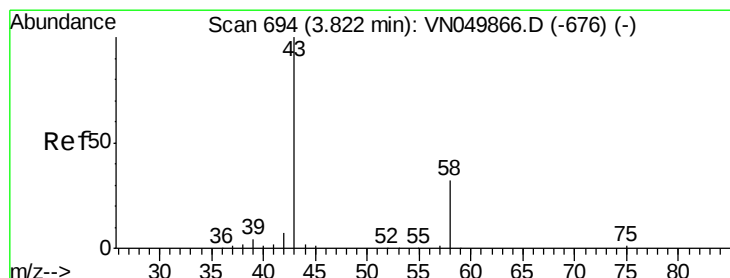
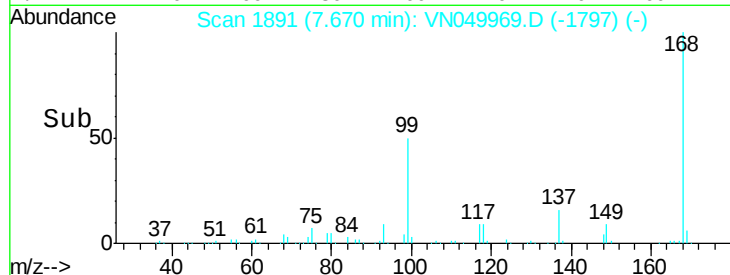
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 14.71 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049969.D

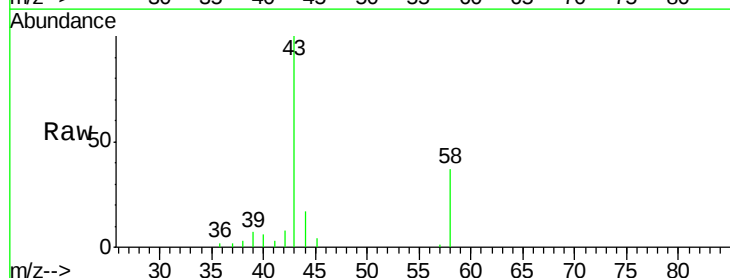
Acq: 20 Jul 2018 18:05

Tgt Ion: 43 Resp: 28603

Ion Ratio Lower Upper

43 100

58 38.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.83

12000

10000

8000

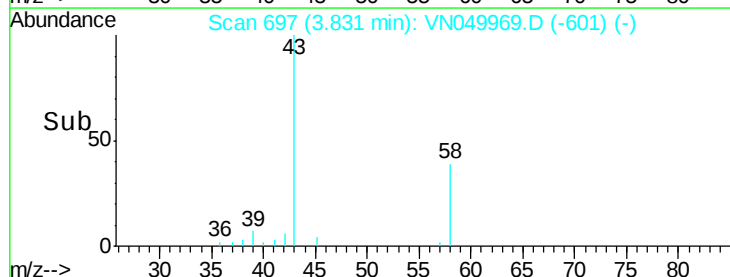
6000

4000

2000

0

Time-->

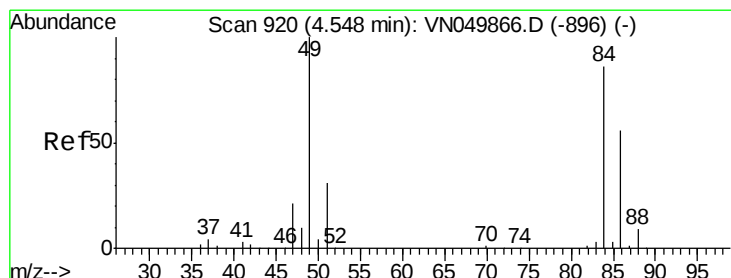
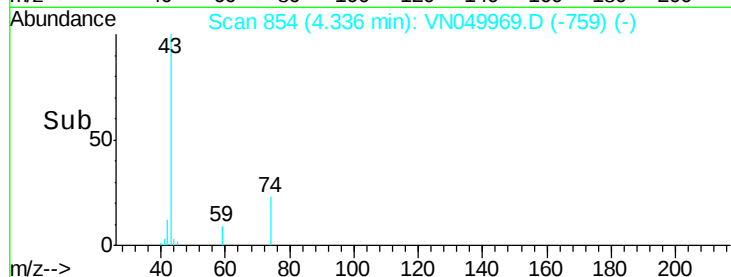
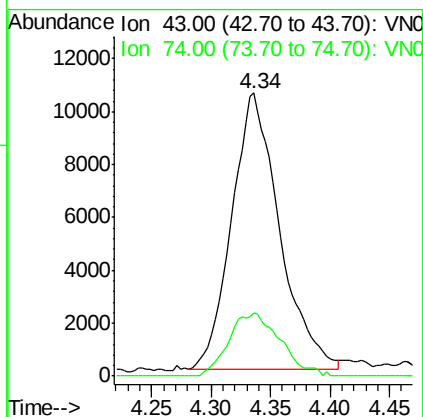
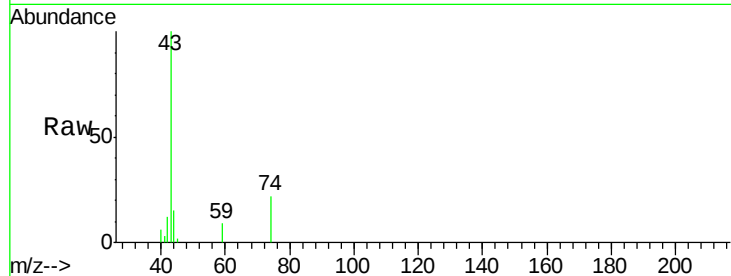




#18  
Methvl Acetate  
Concen: 3.97 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049969.D  
Acq: 20 Jul 2018 18:05

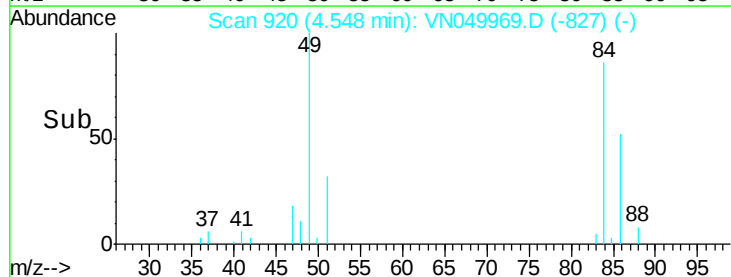
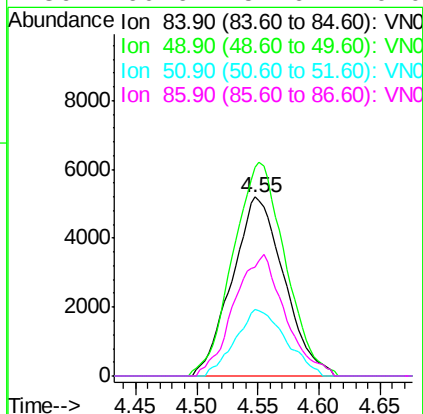
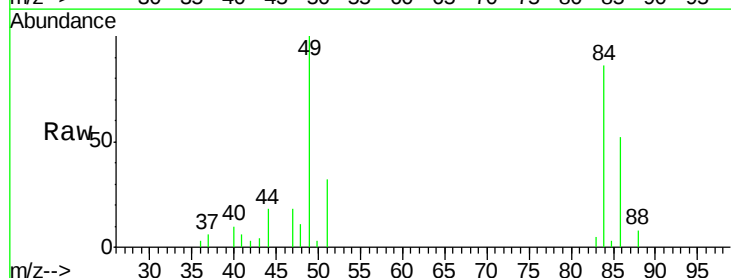
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#09

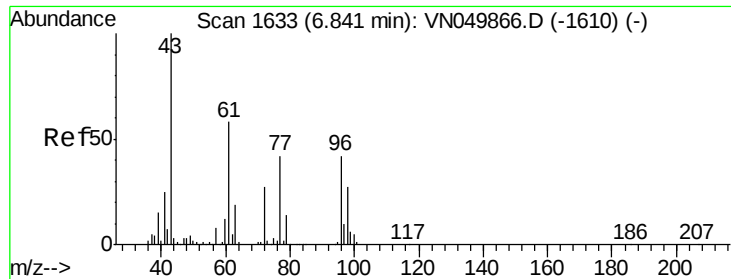
Tot Ion: 43 Resp: 28922  
Ion Ratio Lower Upper  
43 100  
74 24.7 19.8 29.8



#20  
Methylene Chloride  
Concen: 2.08 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049969.D  
Acq: 20 Jul 2018 18:05

Tgt Ion: 84 Resp: 15359  
Ion Ratio Lower Upper  
84 100  
49 116.4 95.4 143.2  
51 37.3 28.4 42.6  
86 60.6 52.6 79.0





#25

2-Butanone

Concen: 16.77 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

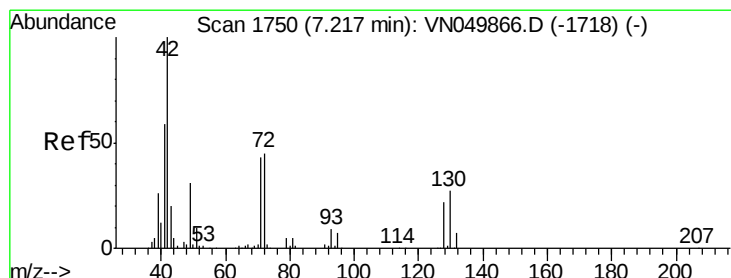
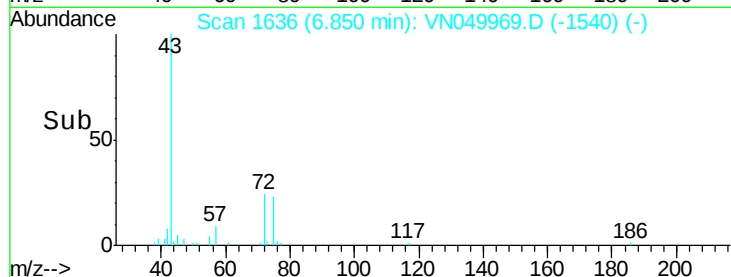
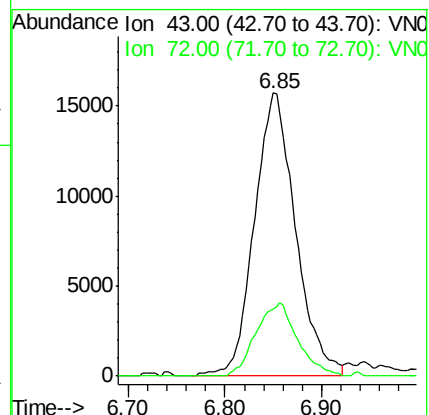
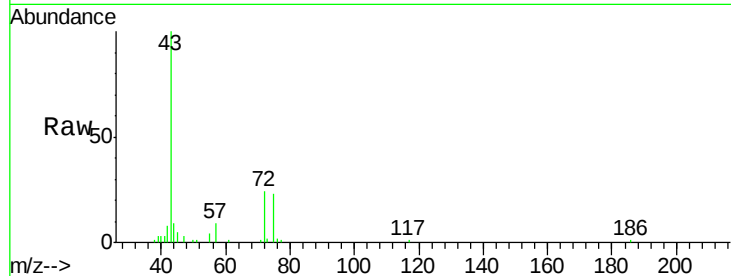
PB111289ZHE#09

Tot Ion: 43 Resp: 46598

Ion Ratio Lower Upper

43 100

72 23.7 22.1 33.1



#29

Tetrahydrofuran

Concen: 13.34 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

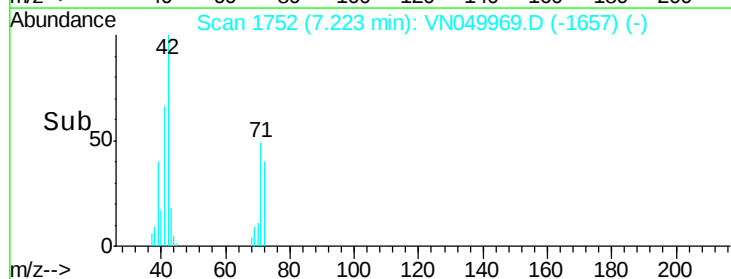
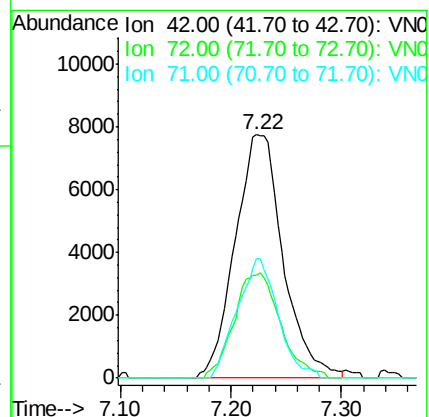
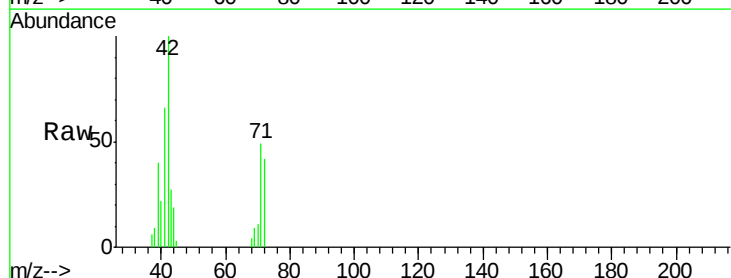
Tgt Ion: 42 Resp: 23356

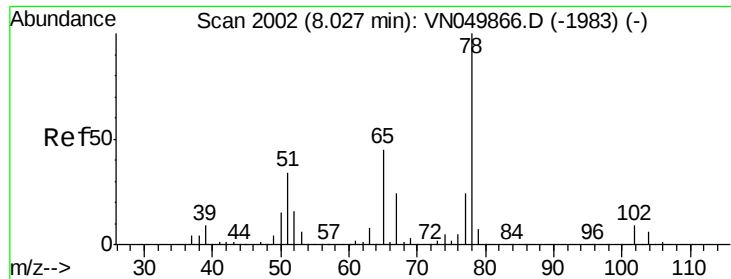
Ion Ratio Lower Upper

42 100

72 41.7 35.6 53.4

71 41.9 34.0 51.0

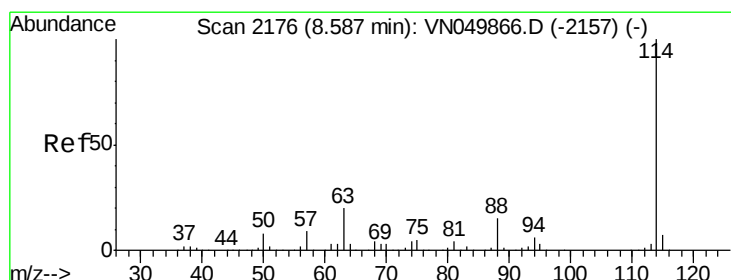
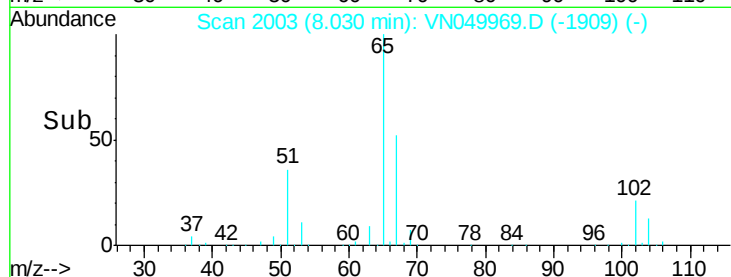
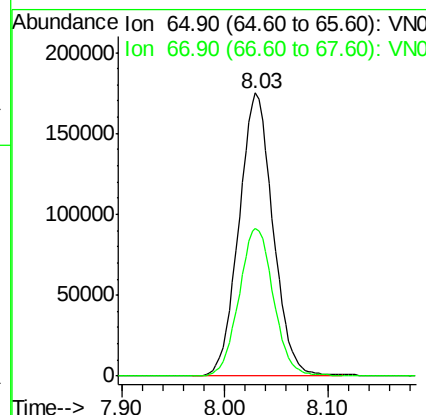
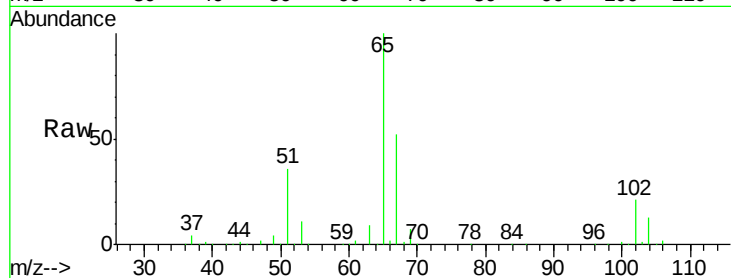




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.54 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049969.D  
 Acq: 20 Jul 2018 18:05

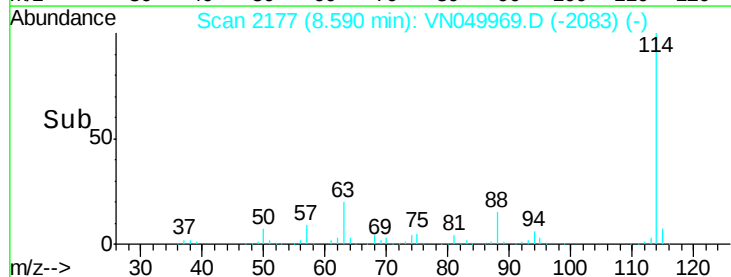
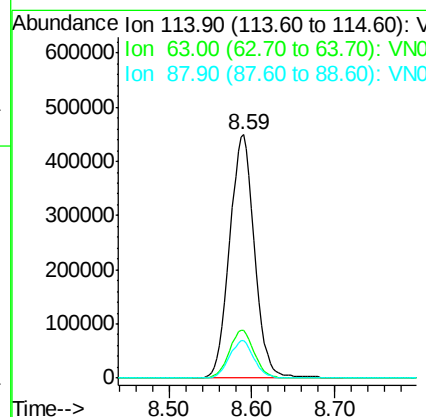
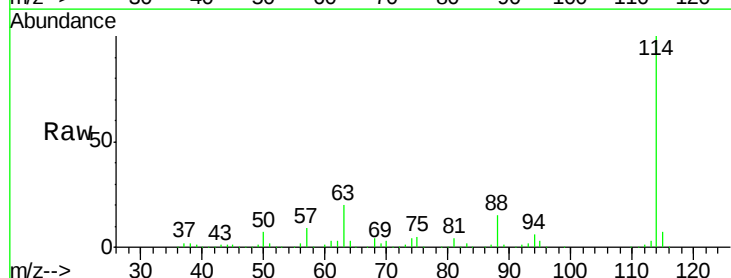
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#09

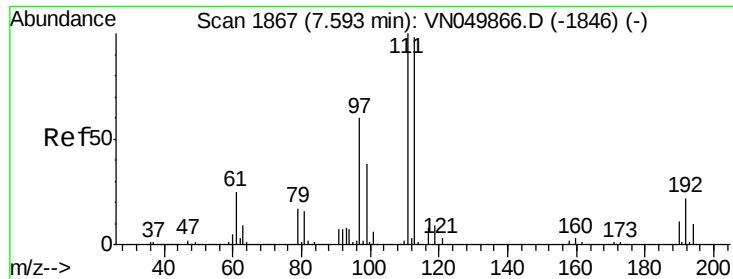
Tot Ion: 65 Resp: 402023  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049969.D  
 Acq: 20 Jul 2018 18:05

Tgt Ion: 114 Resp: 938165  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 39.8  
 88 15.5 0.0 30.6

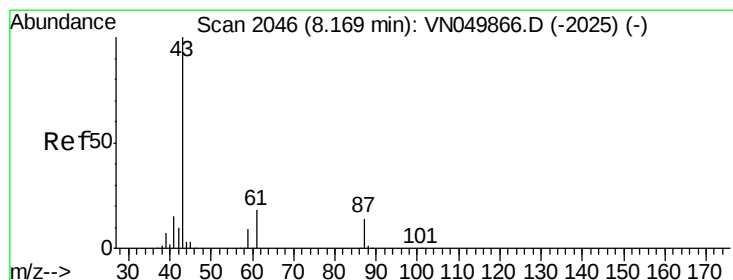
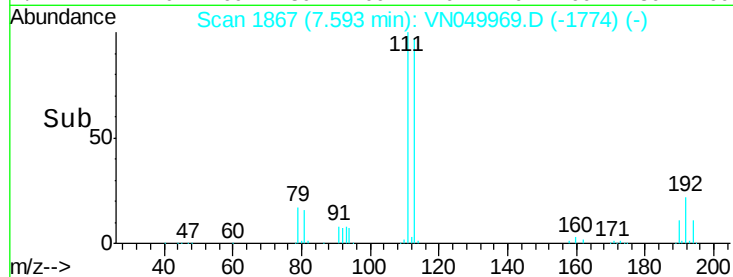
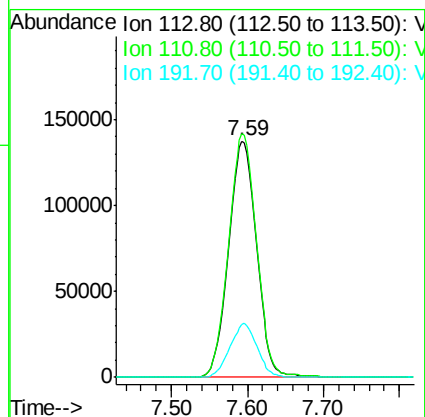
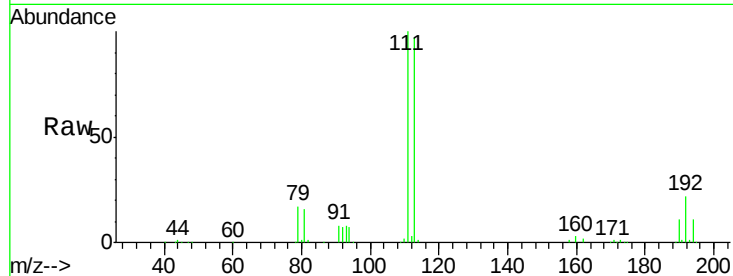




#35  
 Dibromofluoromethane  
 Concen: 44.80 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049969.D  
 Acq: 20 Jul 2018 18:05

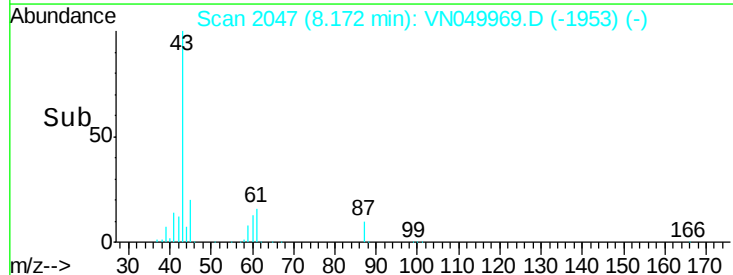
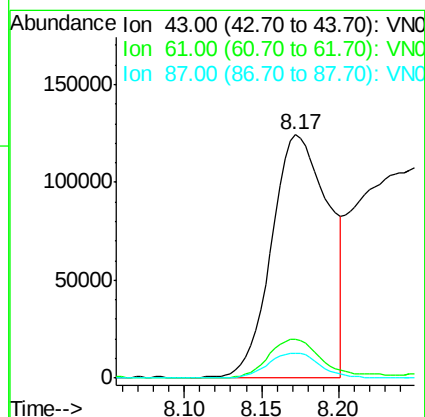
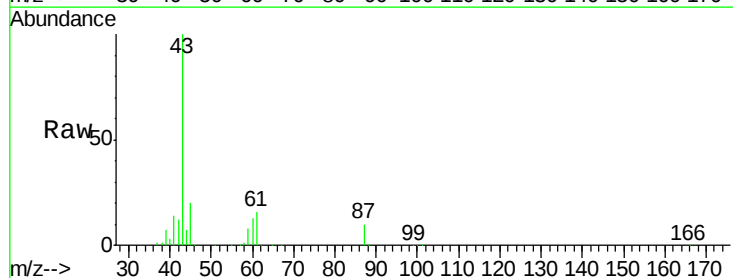
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111289ZHE#09

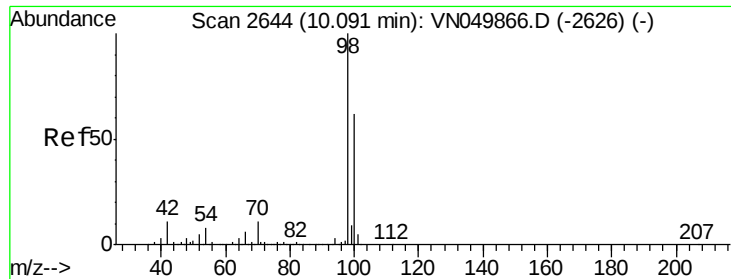
Tot Ion:113 Resp: 352814  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 81.8 122.8  
 192 22.3 17.8 26.6



#43  
 Isopropyl Acetate  
 Concen: 25.38 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.00 min  
 Lab File: VN049969.D  
 Acq: 20 Jul 2018 18:05

Tgt Ion: 43 Resp: 317659  
 Ion Ratio Lower Upper  
 43 100  
 61 14.8 14.9 22.3#  
 87 9.5 10.0 15.0#

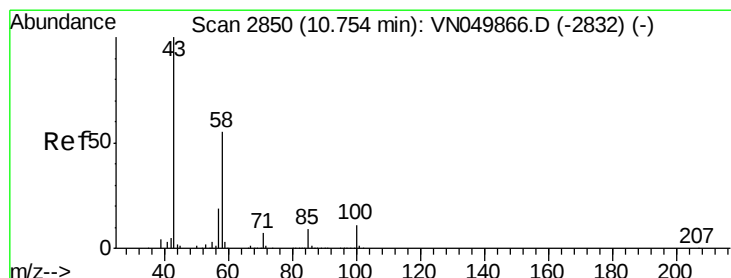
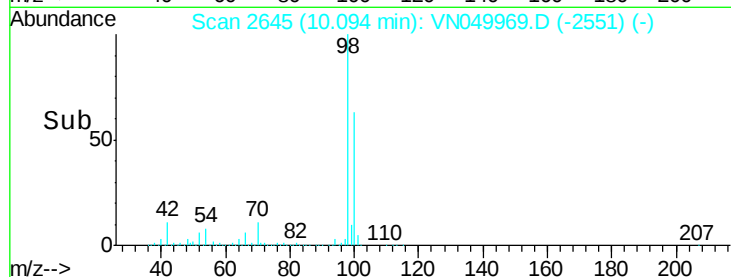
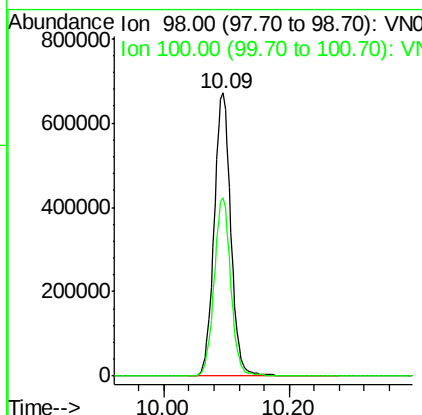
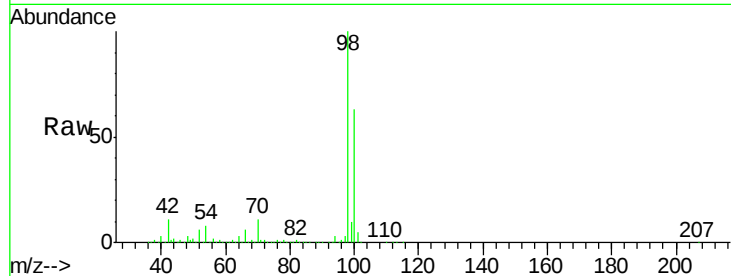




#50  
Toluene-d8  
Concen: 43.20 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049969.D  
Acq: 20 Jul 2018 18:05

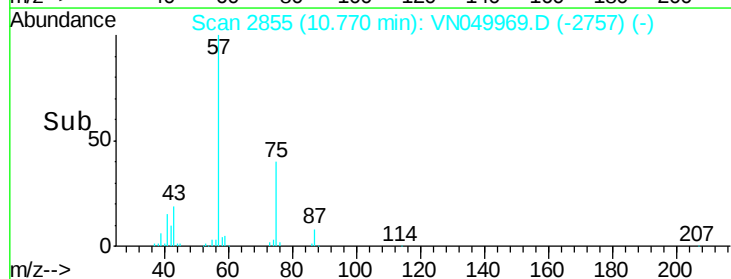
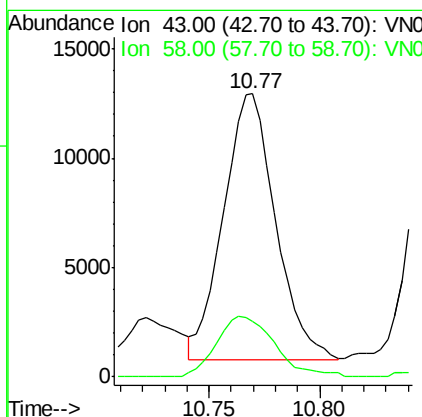
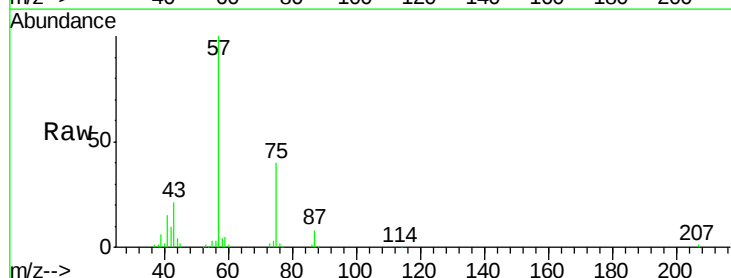
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#09

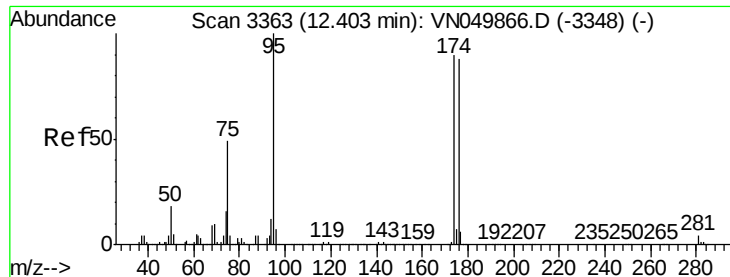
Tot Ion: 98 Resp: 1239673  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.7 77.5



#59  
2-Hexanone  
Concen: 4.23 ug/l  
RT: 10.77 min Scan# 2855  
Delta R.T. 0.02 min  
Lab File: VN049969.D  
Acq: 20 Jul 2018 18:05

Tgt Ion: 43 Resp: 19855  
Ion Ratio Lower Upper  
43 100  
58 25.6 27.8 83.4#

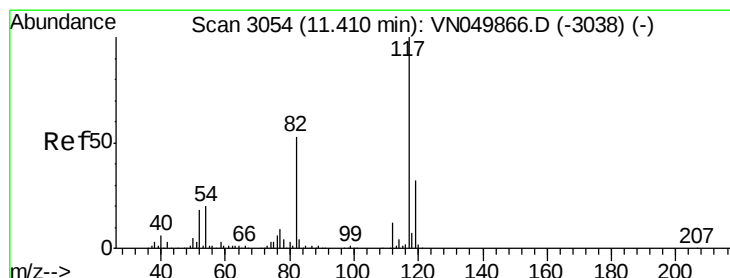
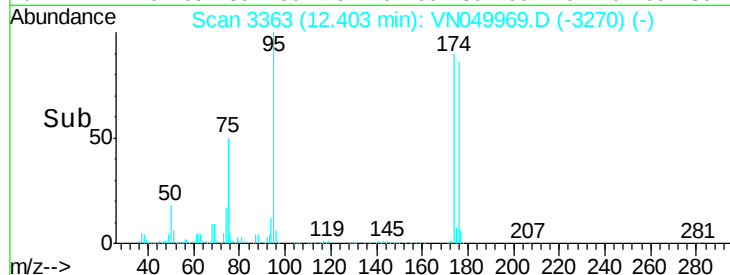
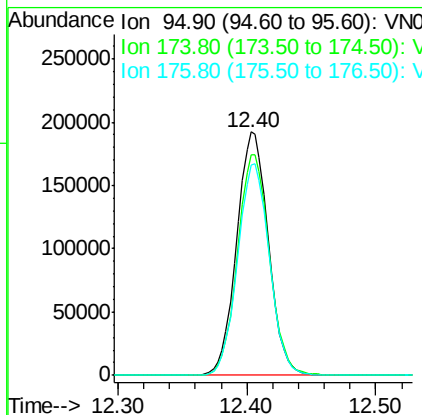
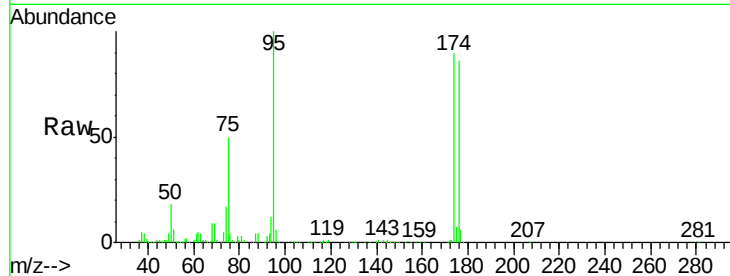




#62  
4-Bromofluorobenzene  
Concen: 33.23 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049969.D  
Acq: 20 Jul 2018 18:05

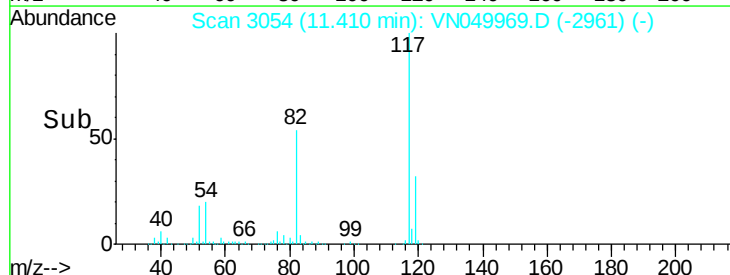
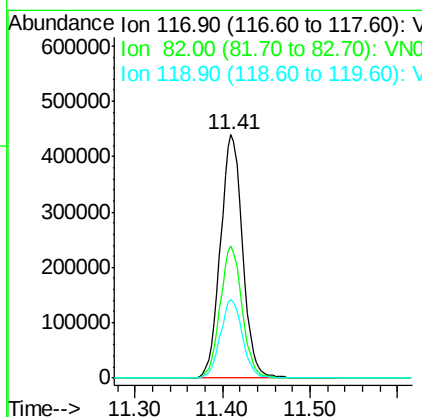
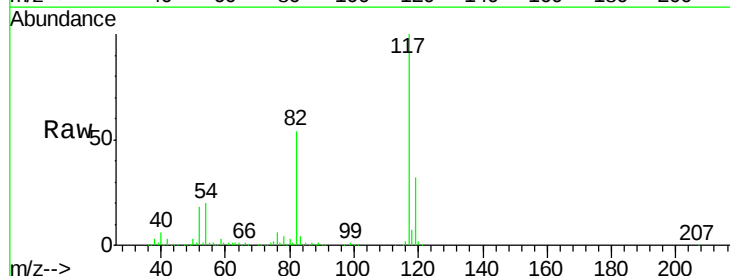
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111289ZHE#09

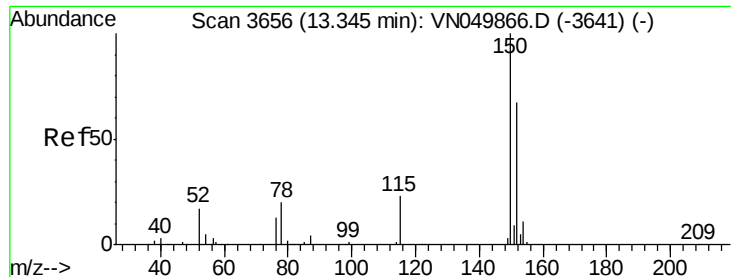
Tot Ion: 95 Resp: 328434  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 179.6  
176 87.2 0.0 174.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049969.D  
Acq: 20 Jul 2018 18:05

Tgt Ion: 117 Resp: 772653  
Ion Ratio Lower Upper  
117 100  
82 54.2 41.9 62.9  
119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049969.D

Acq: 20 Jul 2018 18:05

Instrument :

MSVOA\_N

ClientSampleId :

PB111289ZHE#09

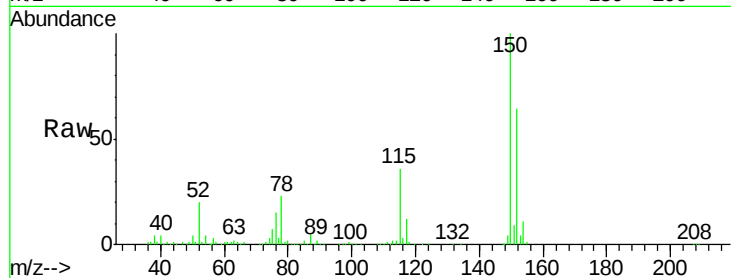
Tot Ion:152 Resp: 270712

Ion Ratio Lower Upper

152 100

115 56.2 28.1 84.2

150 156.1 0.0 347.6



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

