

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\  
 Data File : VN055057.D  
 Acq On : 15 Apr 2019 21:46  
 Operator : JC/SP  
 Sample : K2199-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-041219-B

Quant Time: Apr 16 07:08:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N041519W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 15 12:28:28 2019  
 Response via : Initial Calibration

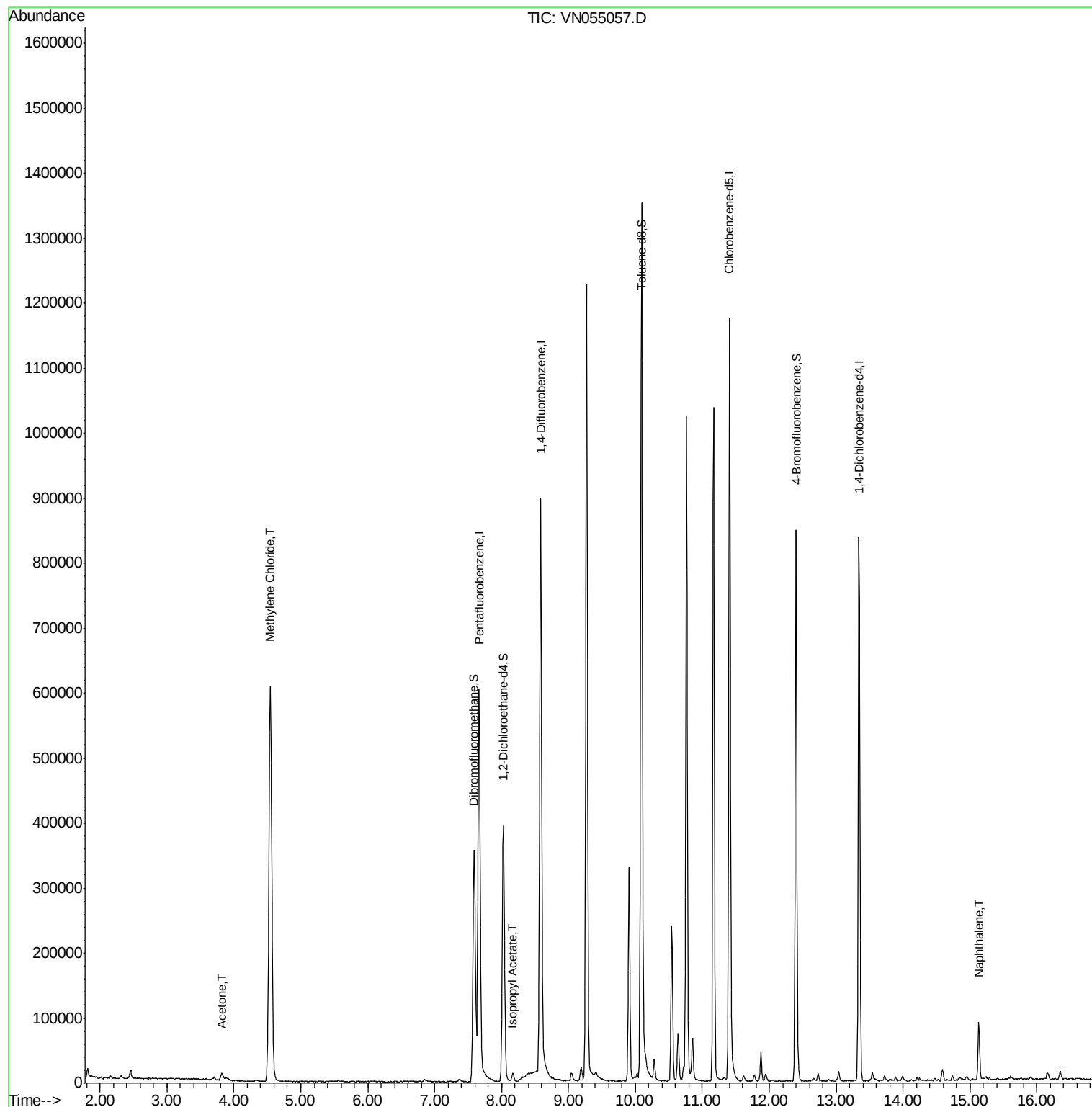
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 516595   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 828053   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 699675   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 232122   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 336634   | 49.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.04%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 263220   | 47.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.12%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 991332   | 50.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.10% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 290382   | 45.10  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.20%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 14941    | 8.017  | ug/l    | 96       |
| 20) Methylene Chloride      | 4.54  | 84   | 425551   | 64.952 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 14953    | 1.527  | ug/l    | 99       |
| 95) Naphthalene             | 15.13 | 128  | 75324    | 11.567 | ug/l    | 98       |

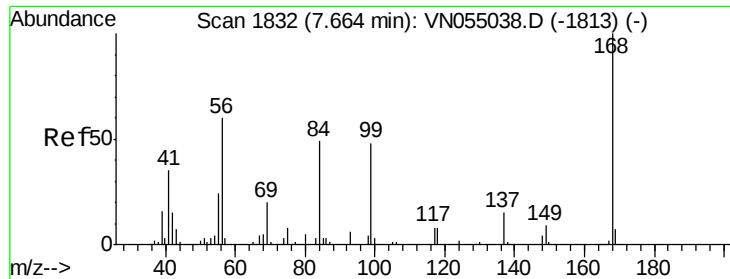
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN041519\  
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Quant Title : SW846 8260  
QLast Update : Mon Apr 15 12:28:28 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055057.D

Acq: 15 Apr 2019 21:46

Instrument :

MSVOA\_N

ClientSampleId :

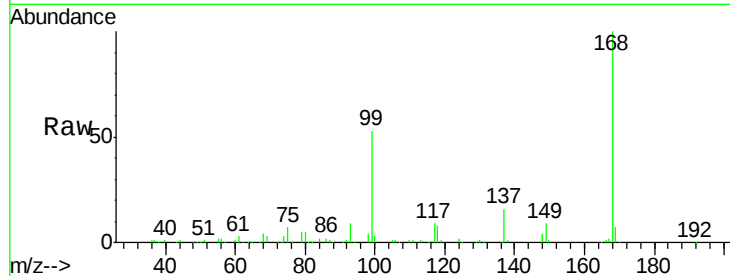
OR-02-041219-B

Tot Ion:168 Resp: 516595

Ion Ratio Lower Upper

168 100

99 53.4 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): VN055038.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055038.D (-1813) (-)

7.66

250000

200000

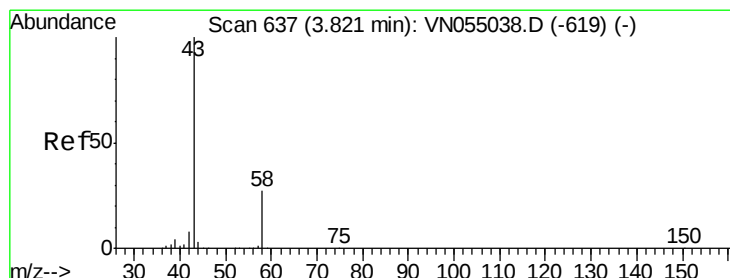
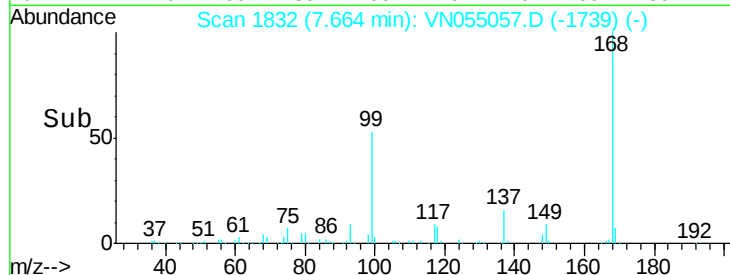
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 8.017 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055057.D

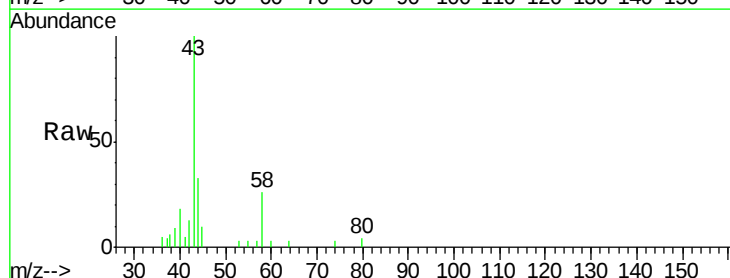
Acq: 15 Apr 2019 21:46

Tgt Ion: 43 Resp: 14941

Ion Ratio Lower Upper

43 100

58 27.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-619) (-)

3.82

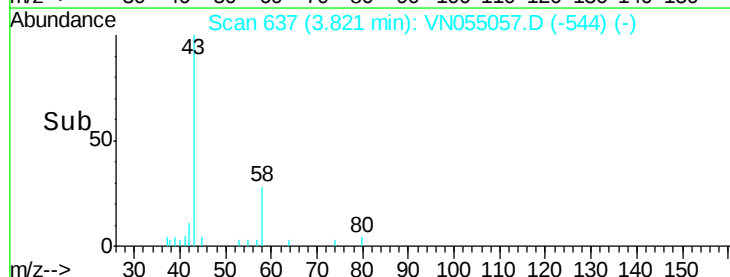
6000

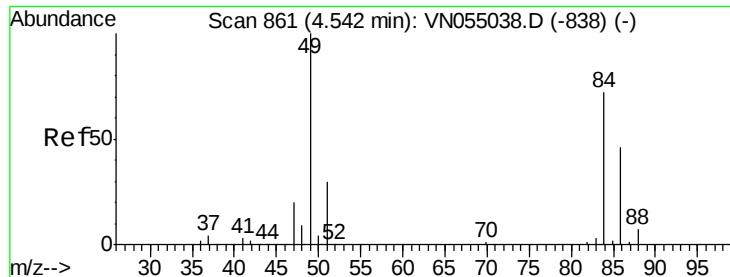
4000

2000

0

Time-->

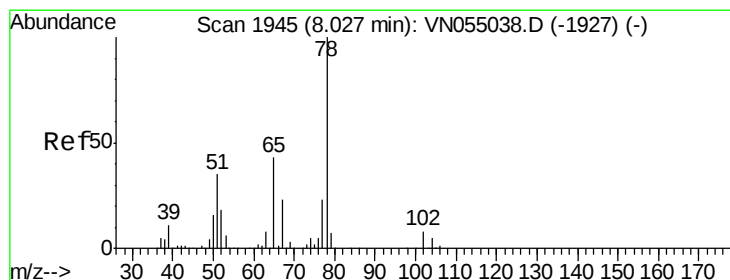
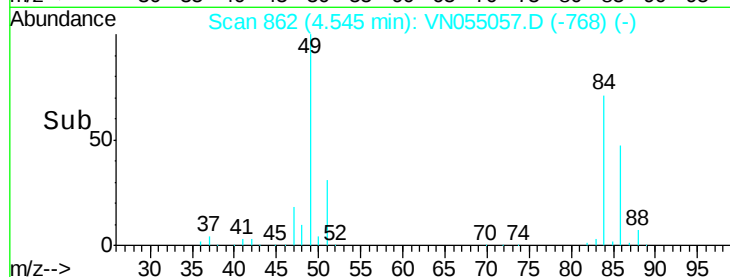
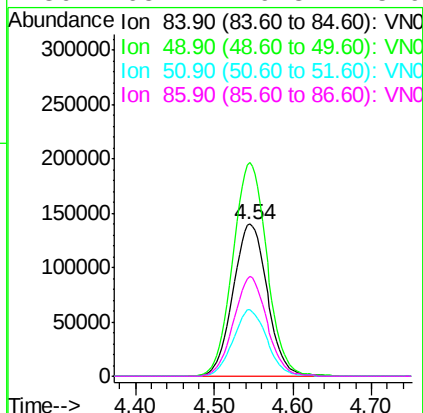
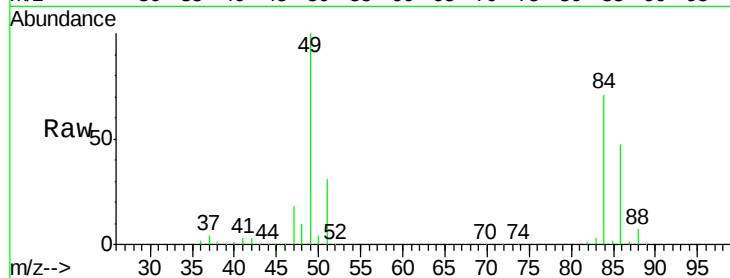




#20  
Methvlene Chloride  
Concen: 64.952 ug/l  
RT: 4.54 min Scan# 862  
Delta R.T. 0.00 min  
Lab File: VN055057.D  
Acq: 15 Apr 2019 21:46

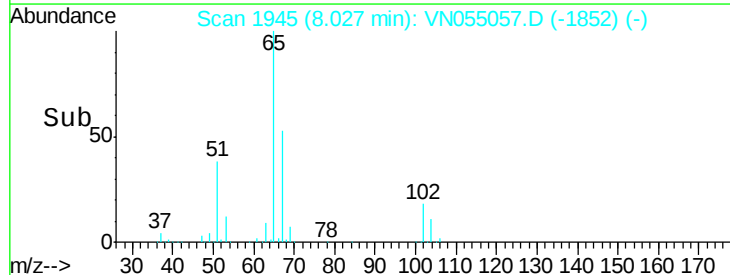
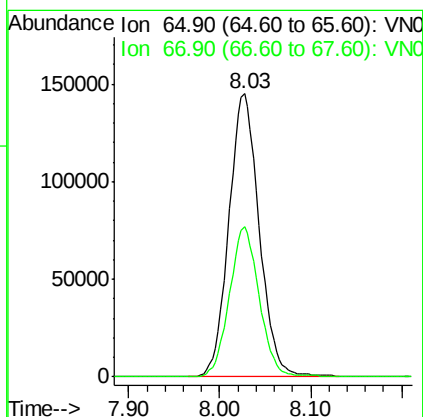
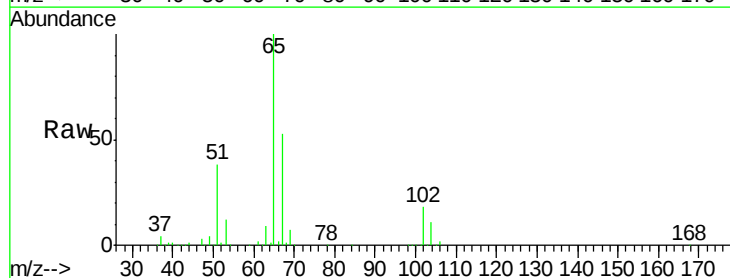
Instrument :  
MSVOA\_N  
ClientSampleId :  
OR-02-041219-B

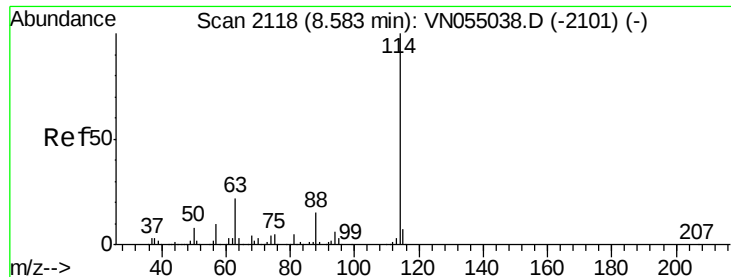
Tot Ion: 84 Resp: 425551  
Ion Ratio Lower Upper  
84 100  
49 140.5 109.4 164.2  
51 43.9 32.2 48.4  
86 65.7 49.3 73.9



#33  
1,2-Dichloroethane-d4  
Concen: 49.023 ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN055057.D  
Acq: 15 Apr 2019 21:46

Tgt Ion: 65 Resp: 336634  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 106.4

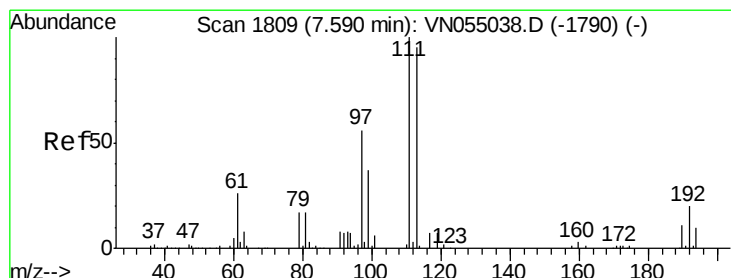
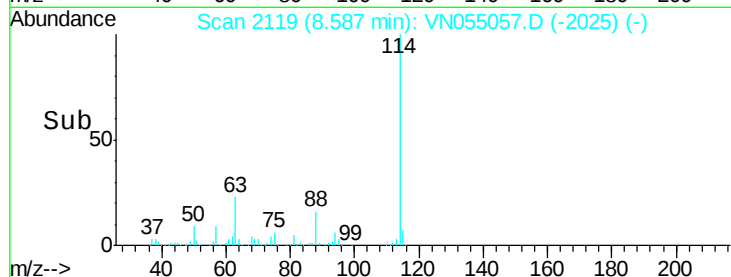
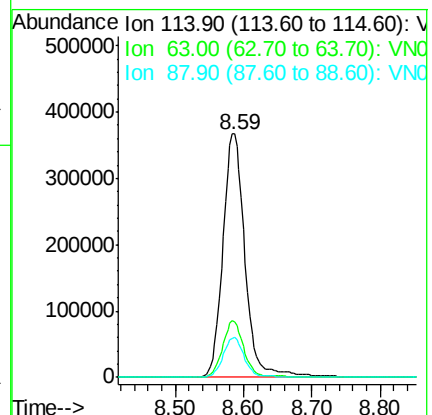
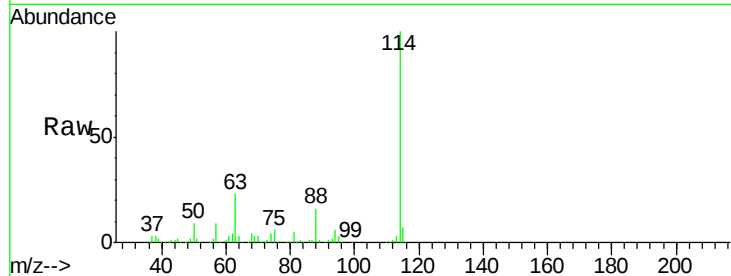




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN055057.D  
 Acq: 15 Apr 2019 21:46

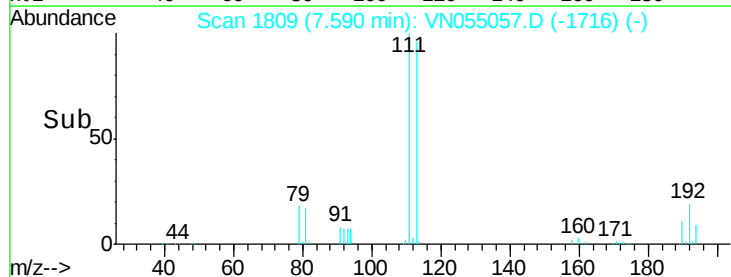
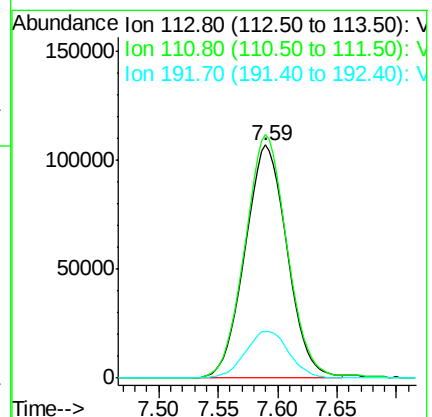
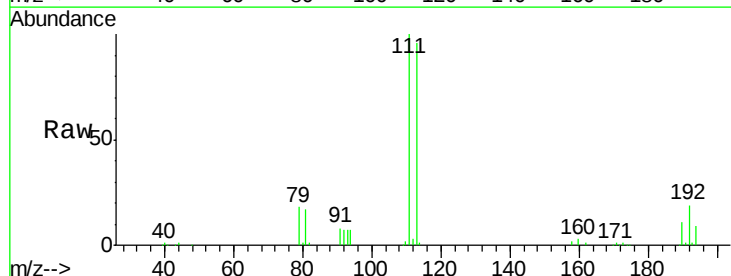
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-02-041219-B

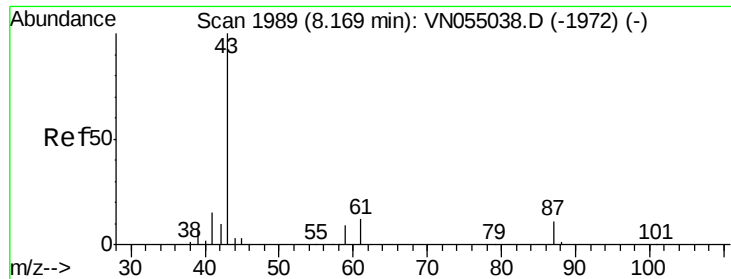
|             |       |        |
|-------------|-------|--------|
| Tot Ion:114 | Resp: | 828053 |
| Ion Ratio   | Lower | Upper  |
| 114 100     |       |        |
| 63 22.7     | 0.0   | 45.2   |
| 88 16.2     | 0.0   | 31.8   |



#35  
 Dibromofluoromethane  
 Concen: 47.565 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055057.D  
 Acq: 15 Apr 2019 21:46

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:113 | Resp: | 263220 |
| Ion Ratio   | Lower | Upper  |
| 113 100     |       |        |
| 111 105.6   | 82.1  | 123.1  |
| 192 20.8    | 16.5  | 24.7   |





#43

Isopropyl Acetate

Concen: 1.527 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055057.D

Acq: 15 Apr 2019 21:46

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-041219-B

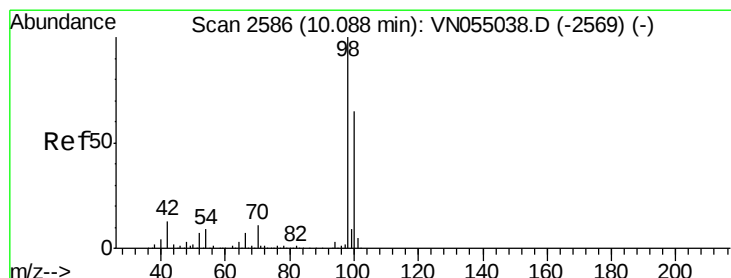
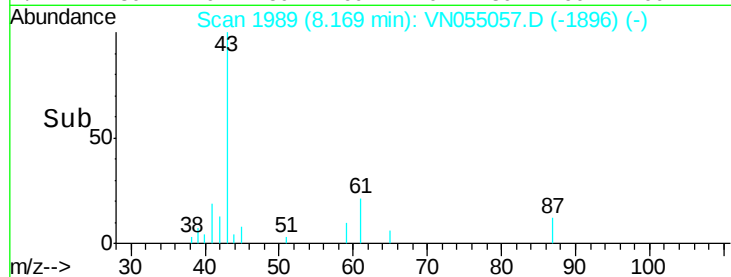
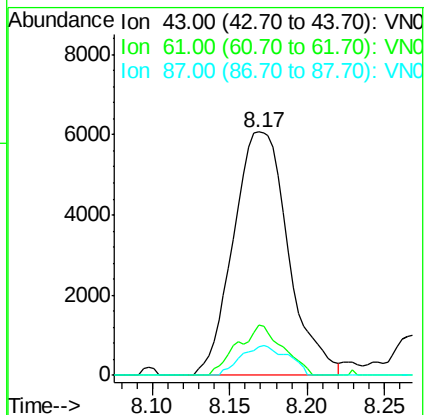
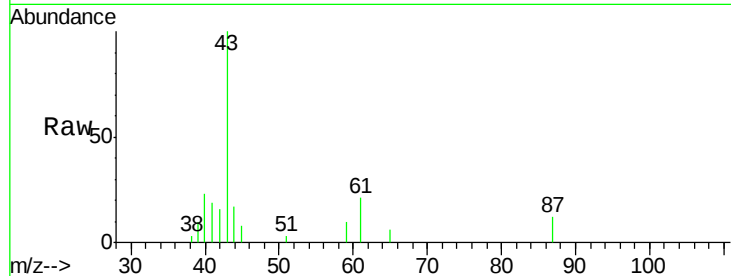
Tot Ion: 43 Resp: 14953

Ion Ratio Lower Upper

43 100

61 17.2 14.3 21.5

87 10.5 8.6 13.0



#50

Toluene-d8

Concen: 50.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055057.D

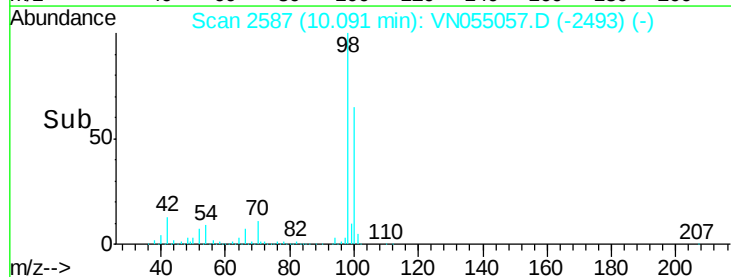
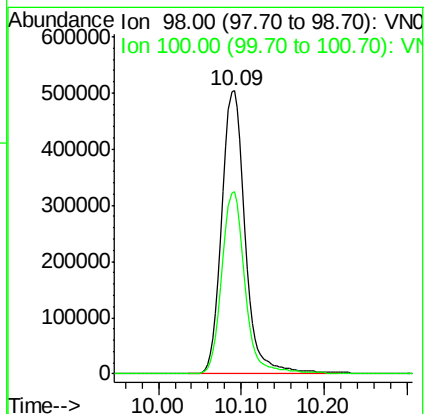
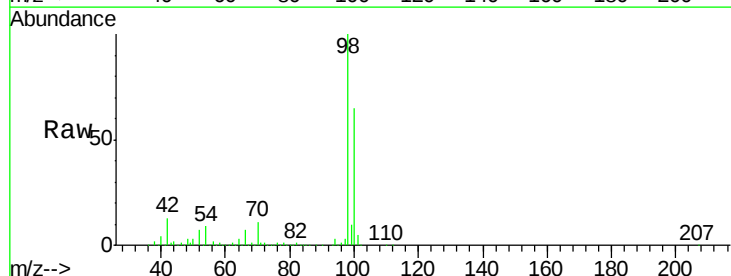
Acq: 15 Apr 2019 21:46

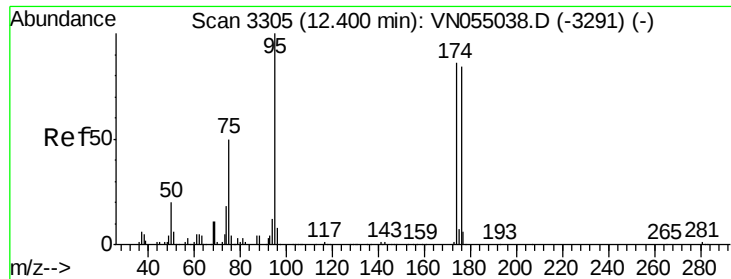
Tgt Ion: 98 Resp: 991332

Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 45.097 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055057.D

Acq: 15 Apr 2019 21:46

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-041219-B

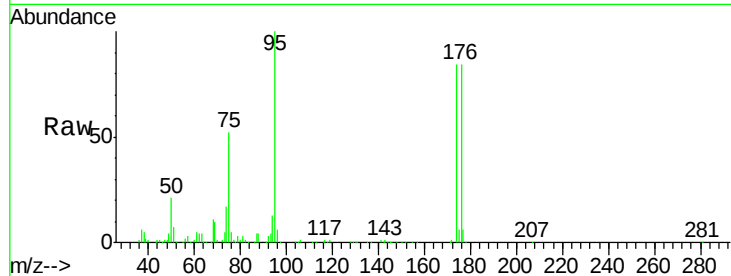
Tot Ion: 95 Resp: 290382

Ion Ratio Lower Upper

95 100

174 84.9 0.0 174.4

176 83.2 0.0 166.8



Abundance Ion 94.90 (94.60 to 95.60): VN055038.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055038.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055038.D (-3291) (-)

12.40

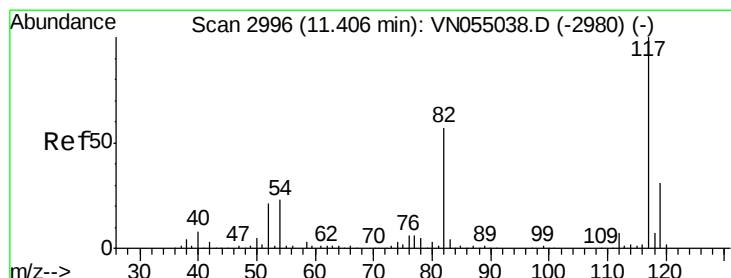
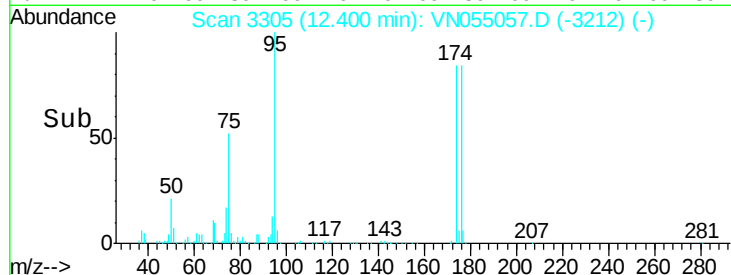
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055057.D

Acq: 15 Apr 2019 21:46

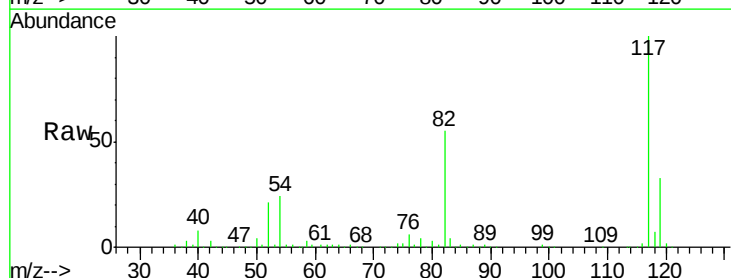
Tgt Ion: 117 Resp: 699675

Ion Ratio Lower Upper

117 100

82 55.3 44.6 66.8

119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN055038.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055038.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055038.D (-2980) (-)

11.41

500000

400000

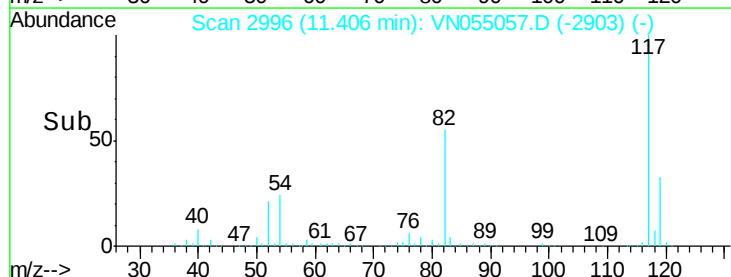
300000

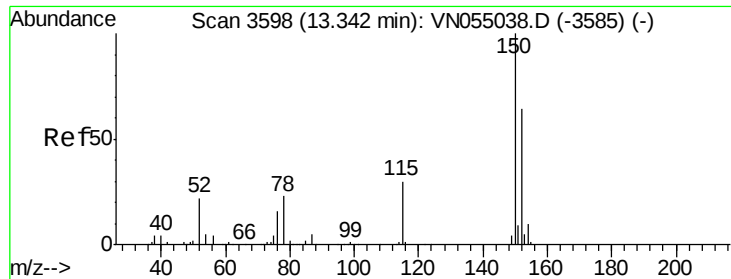
200000

100000

0

Time--> 11.30 11.40 11.50 11.60





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055057.D

Acq: 15 Apr 2019 21:46

Instrument :

MSVOA\_N

ClientSampleId :

OR-02-041219-B

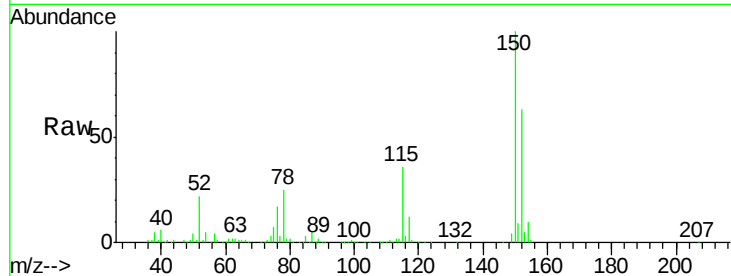
Tot Ion:152 Resp: 232122

Ion Ratio Lower Upper

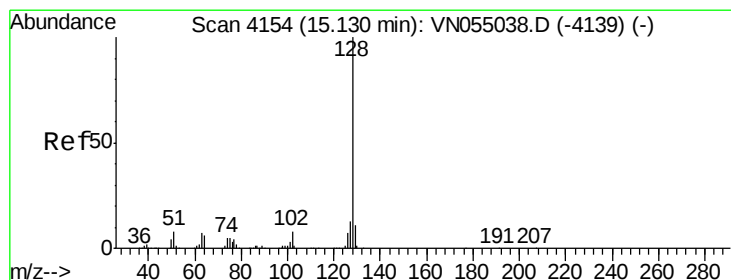
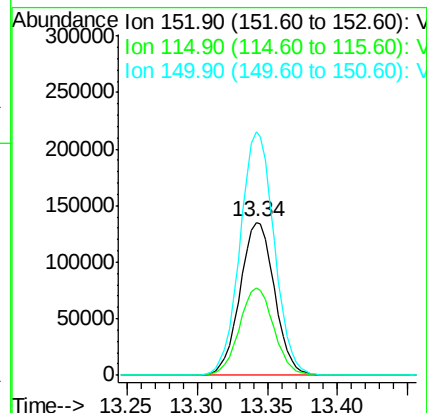
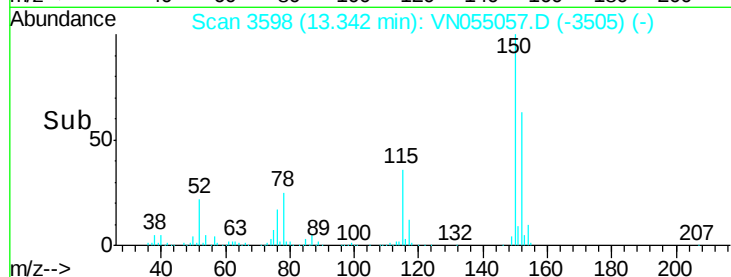
152 100

115 57.2 28.5 85.6

150 157.4 0.0 347.2



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: 11.567 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055057.D

Acq: 15 Apr 2019 21:46

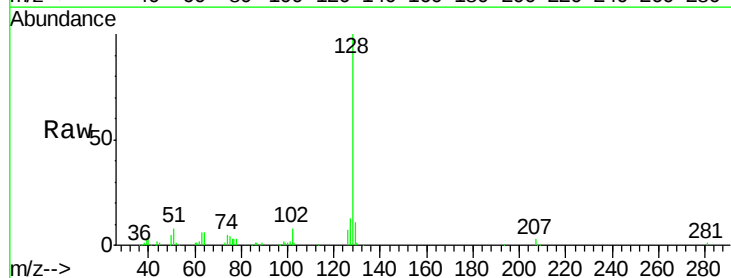
Tgt Ion:128 Resp: 75324

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

129 10.6 8.8 13.2



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

