

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\  
 Data File : VN060786.D  
 Acq On : 31 Mar 2020 15:20  
 Operator : JC/MD  
 Sample : L1759-20  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-03-033020

Quant Time: Apr 01 09:06:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

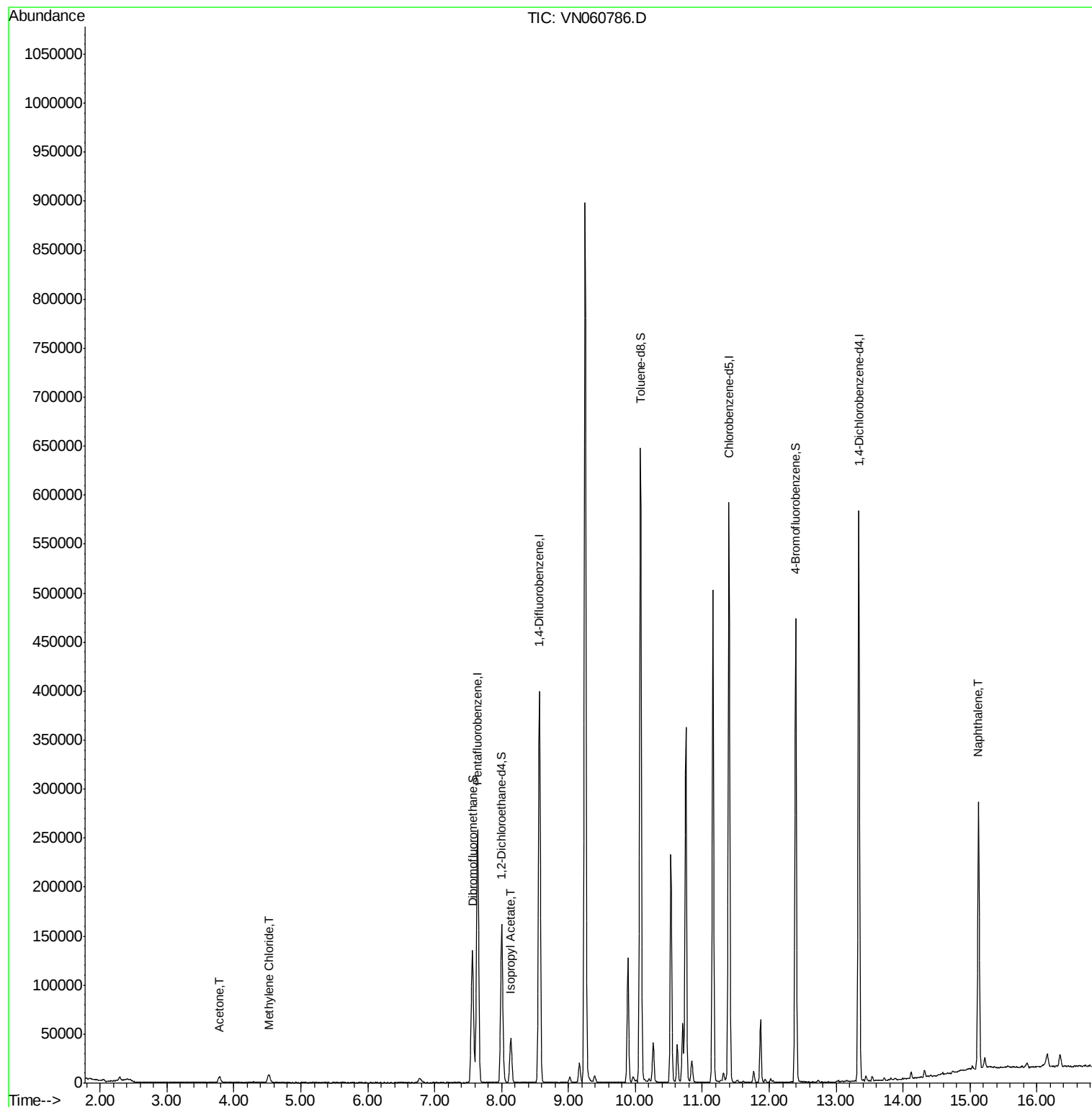
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 210758   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 355332   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 334424   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 154813   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 136820   | 47.29  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.58%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 103684   | 48.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.52%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 438823   | 50.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.00% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 164863   | 51.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.52% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 10891    | 10.627 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.52  | 84   | 6418     | 2.546  | ug/l    | 93       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 54216    | 8.842  | ug/l #  | 91       |
| 95) Naphthalene             | 15.13 | 128  | 230511   | 26.433 | ug/l    | 100      |

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

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QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA\_N

ClientSampleId :

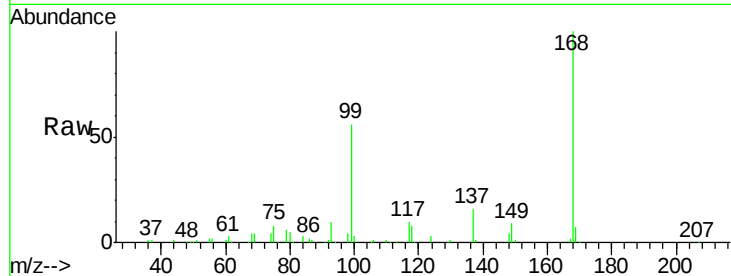
OR-03-033020

Tot Ion:168 Resp: 210758

Ion Ratio Lower Upper

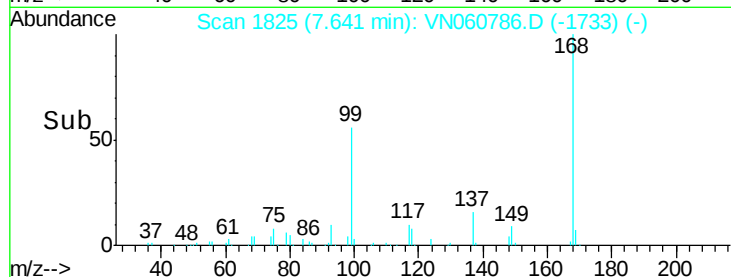
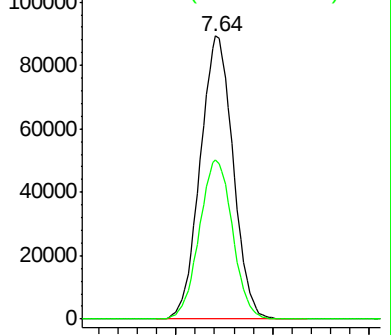
168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 10.627 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060786.D

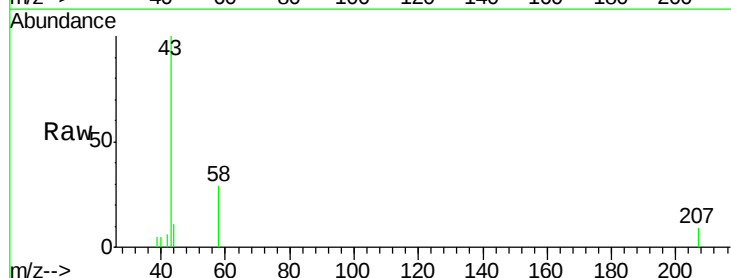
Acq: 31 Mar 2020 15:20

Tgt Ion: 43 Resp: 10891

Ion Ratio Lower Upper

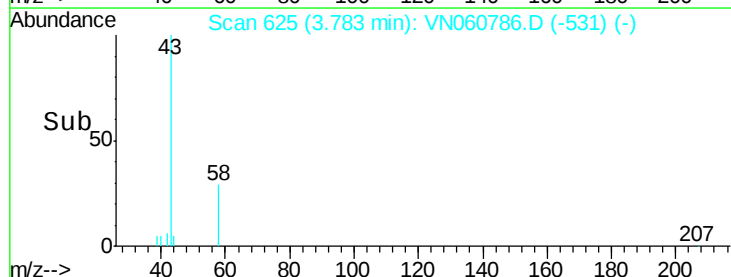
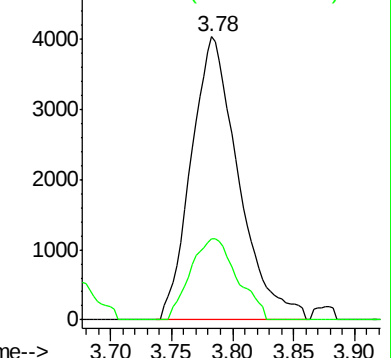
43 100

58 28.7 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#20

Methylene Chloride

Concen: 2.546 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-033020

Tot Ion: 84 Resp: 6418

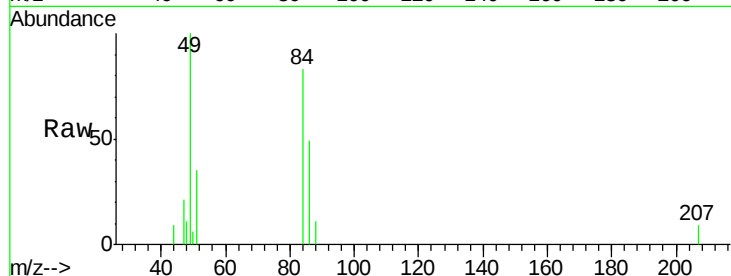
Ion Ratio Lower Upper

84 100

49 120.5 103.3 154.9

51 41.6 31.6 47.4

86 58.7 52.0 78.0

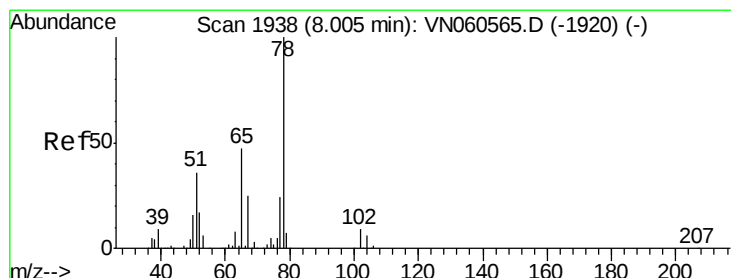
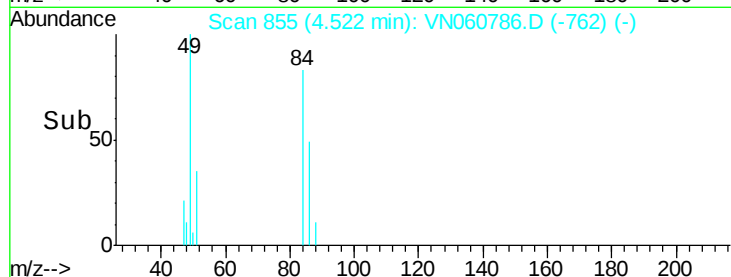
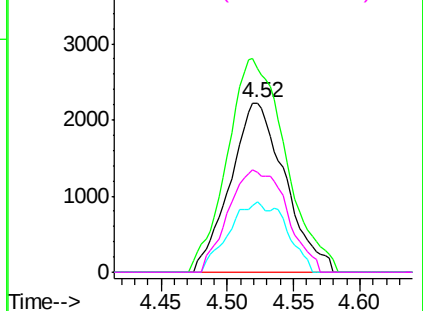


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.290 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060786.D

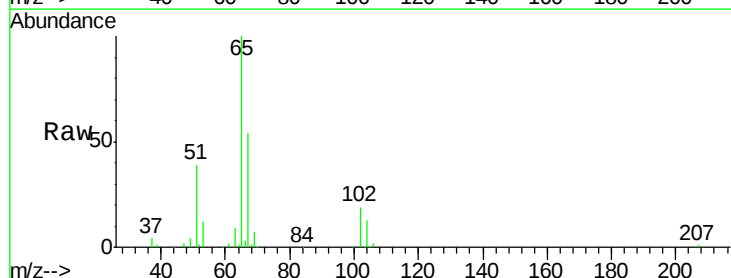
Acq: 31 Mar 2020 15:20

Tgt Ion: 65 Resp: 136820

Ion Ratio Lower Upper

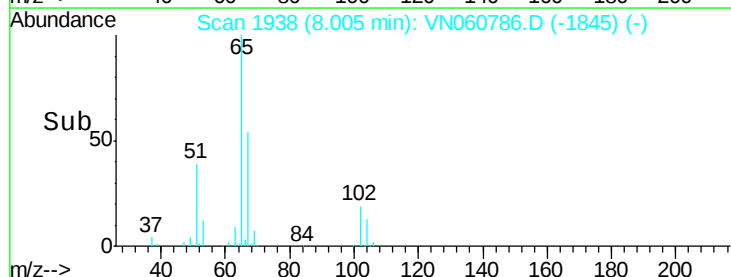
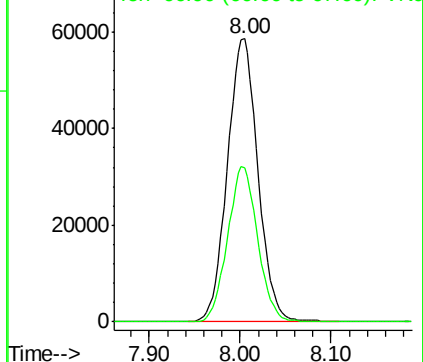
65 100

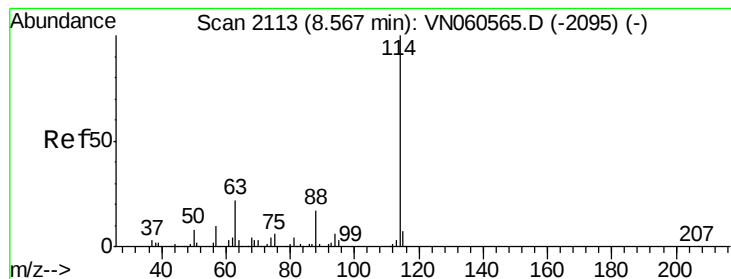
67 53.8 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-033020

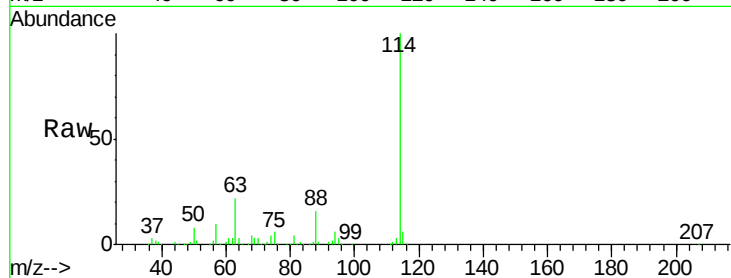
Tot Ion:114 Resp: 355332

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

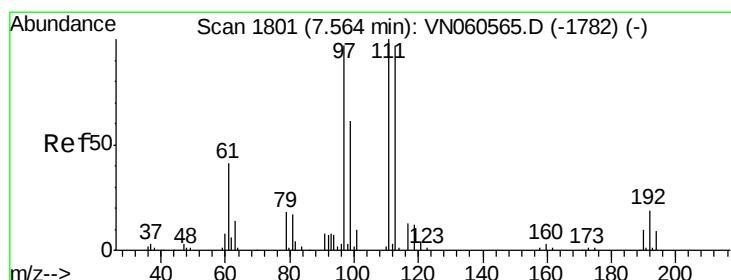
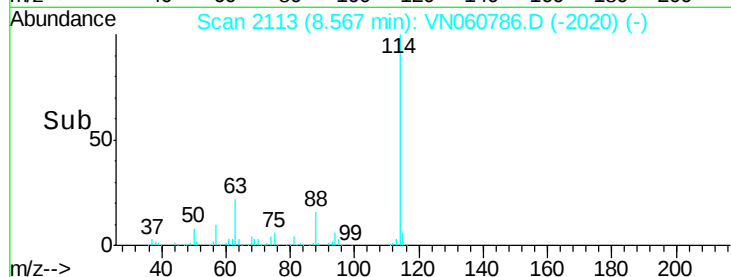
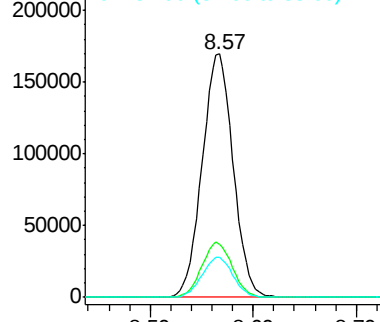
88 16.4 0.0 33.0



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: 48.257 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

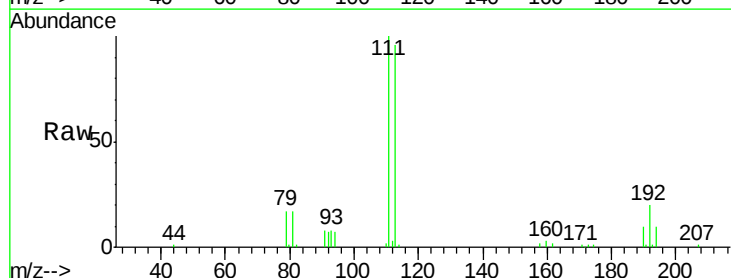
Tgt Ion:113 Resp: 103684

Ion Ratio Lower Upper

113 100

111 103.1 82.9 124.3

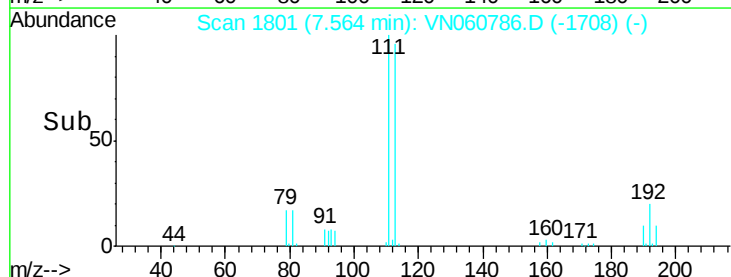
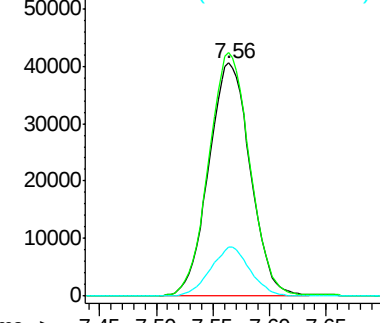
192 20.0 15.8 23.8

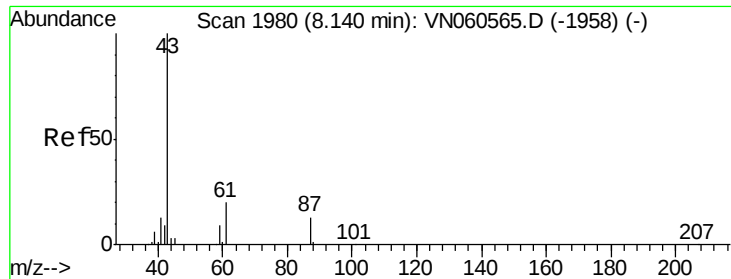


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.842 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA\_N

ClientSampleId :

OR-03-033020

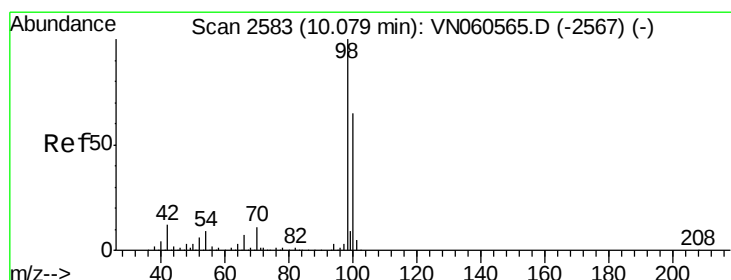
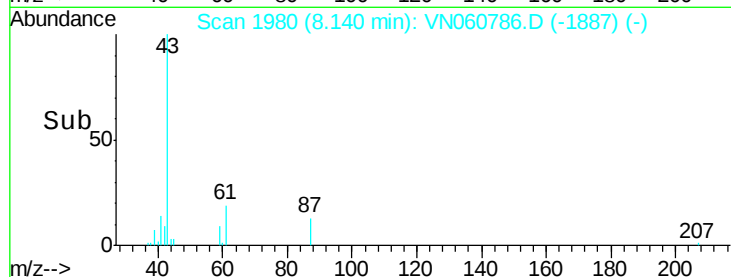
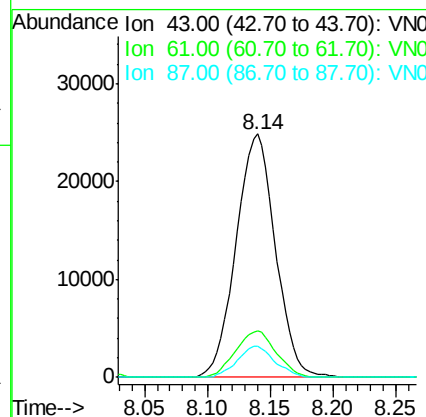
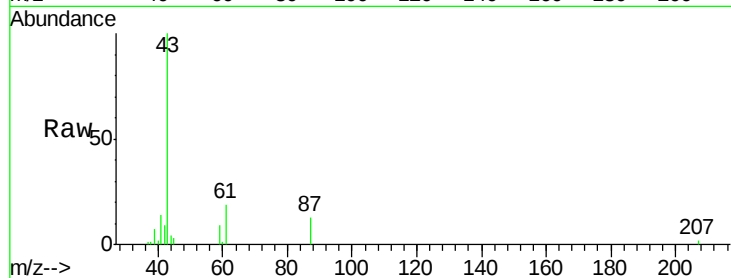
Tot Ion: 43 Resp: 54216

Ion Ratio Lower Upper

43 100

61 19.5 20.7 31.1#

87 12.0 9.8 14.8



#50

Toluene-d8

Concen: 50.002 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060786.D

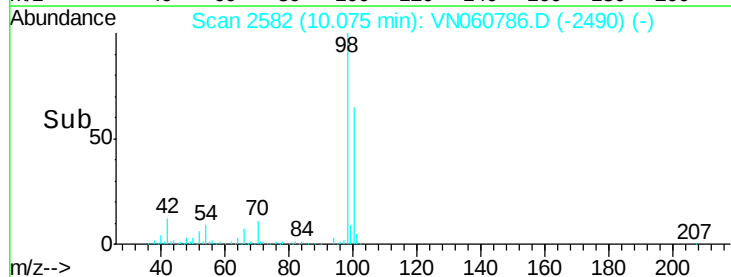
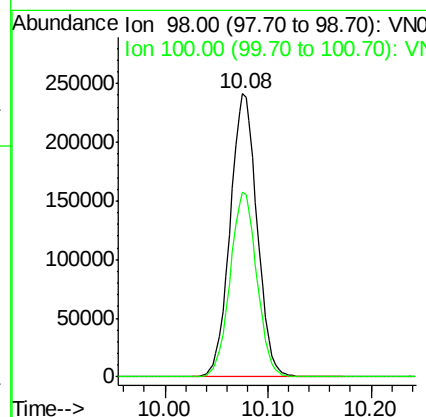
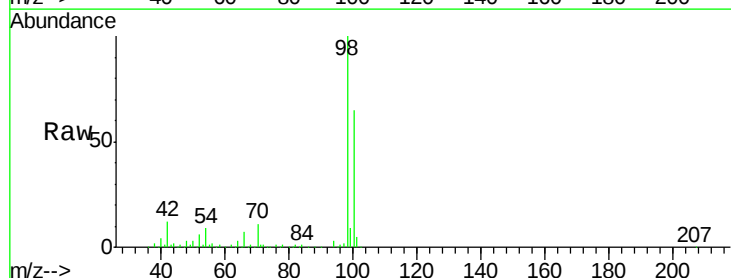
Acq: 31 Mar 2020 15:20

Tgt Ion: 98 Resp: 438823

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 51.258 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

Instrument :

MSVOA\_N

ClientSampled :

OR-03-033020

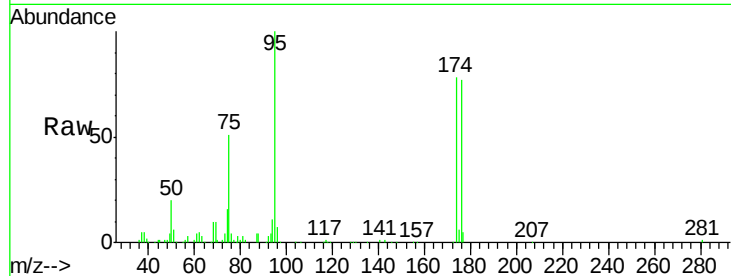
Tot Ion: 95 Resp: 164863

Ion Ratio Lower Upper

95 100

174 78.0 0.0 157.6

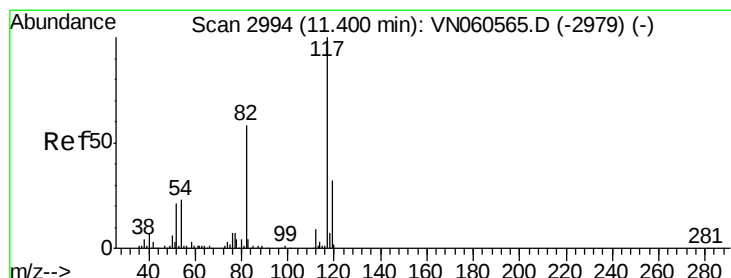
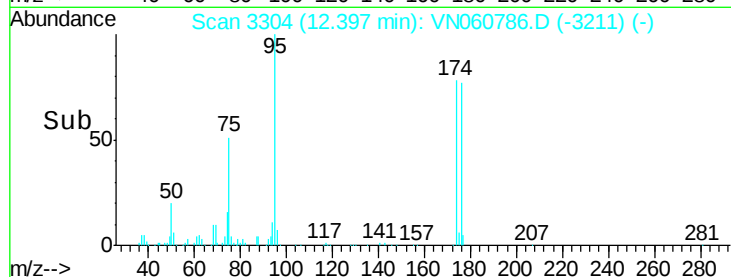
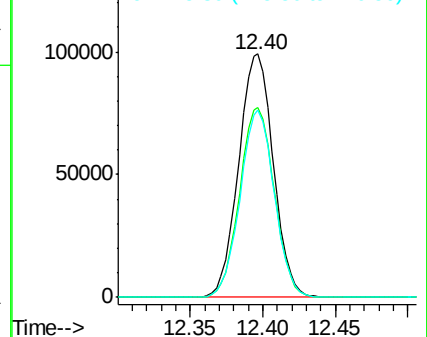
176 75.7 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060786.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060786.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060786.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060786.D

Acq: 31 Mar 2020 15:20

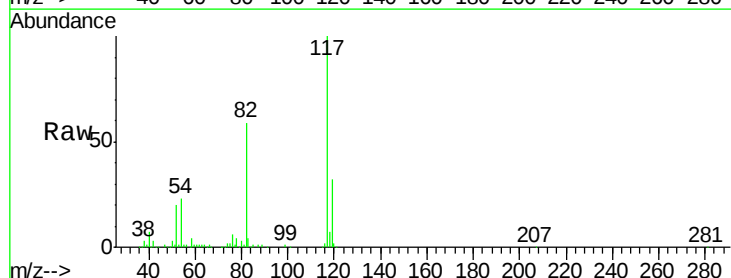
Tgt Ion: 117 Resp: 334424

Ion Ratio Lower Upper

117 100

82 58.6 46.7 70.1

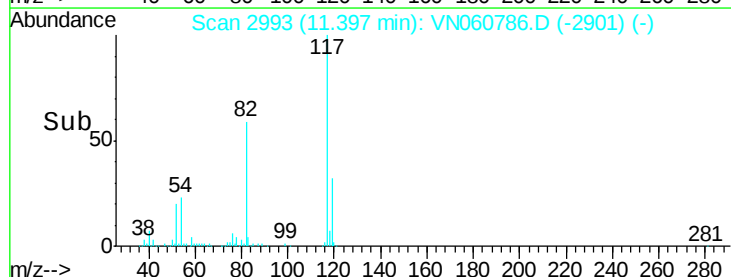
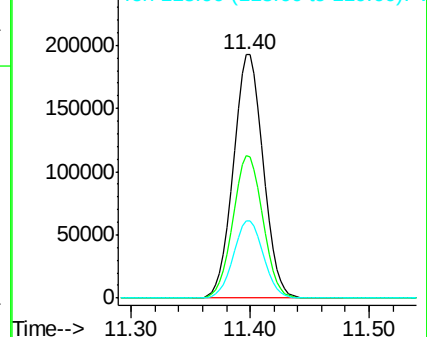
119 31.7 25.5 38.3

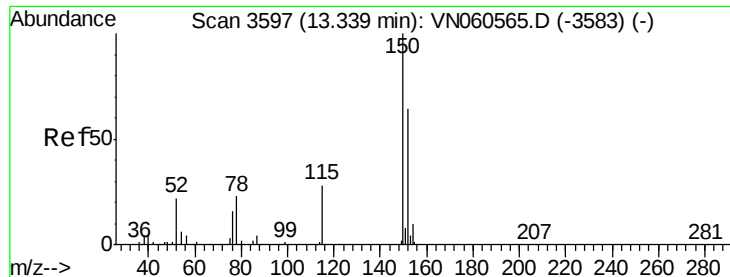


Abundance Ion 116.90 (116.60 to 117.60): VN060786.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060786.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060786.D (-2979) (-)

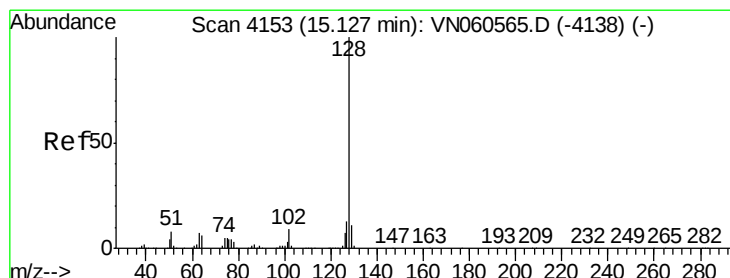
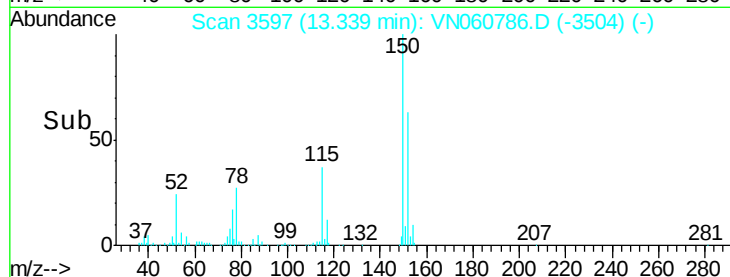
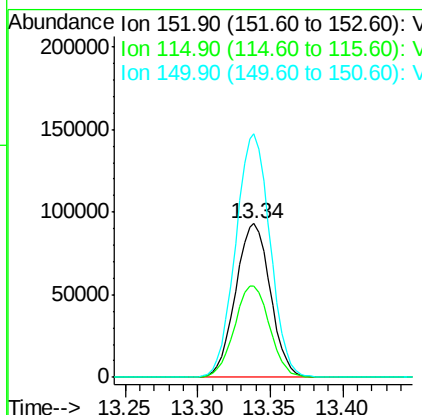
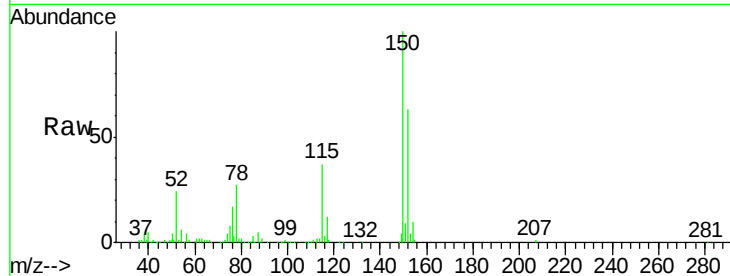




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.34 min Scan# 3597  
 Delta R.T. -0.00 min  
 Lab File: VN060786.D  
 Acq: 31 Mar 2020 15:20

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OR-03-033020

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 60.2  | 30.2  | 90.6  |
| 150     | 157.2 | 0.0   | 350.2 |



#95  
 Naphthalene  
 Concen: 26.433 ug/l  
 RT: 15.13 min Scan# 4153  
 Delta R.T. -0.00 min  
 Lab File: VN060786.D  
 Acq: 31 Mar 2020 15:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.7  | 10.2  | 15.2  |
| 129     | 10.8  | 8.8   | 13.2  |

