

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\  
 Data File : VN060828.D  
 Acq On : 2 Apr 2020 17:49  
 Operator : JC/MD  
 Sample : L2097-23  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-3

Quant Time: Apr 03 09:13:13 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

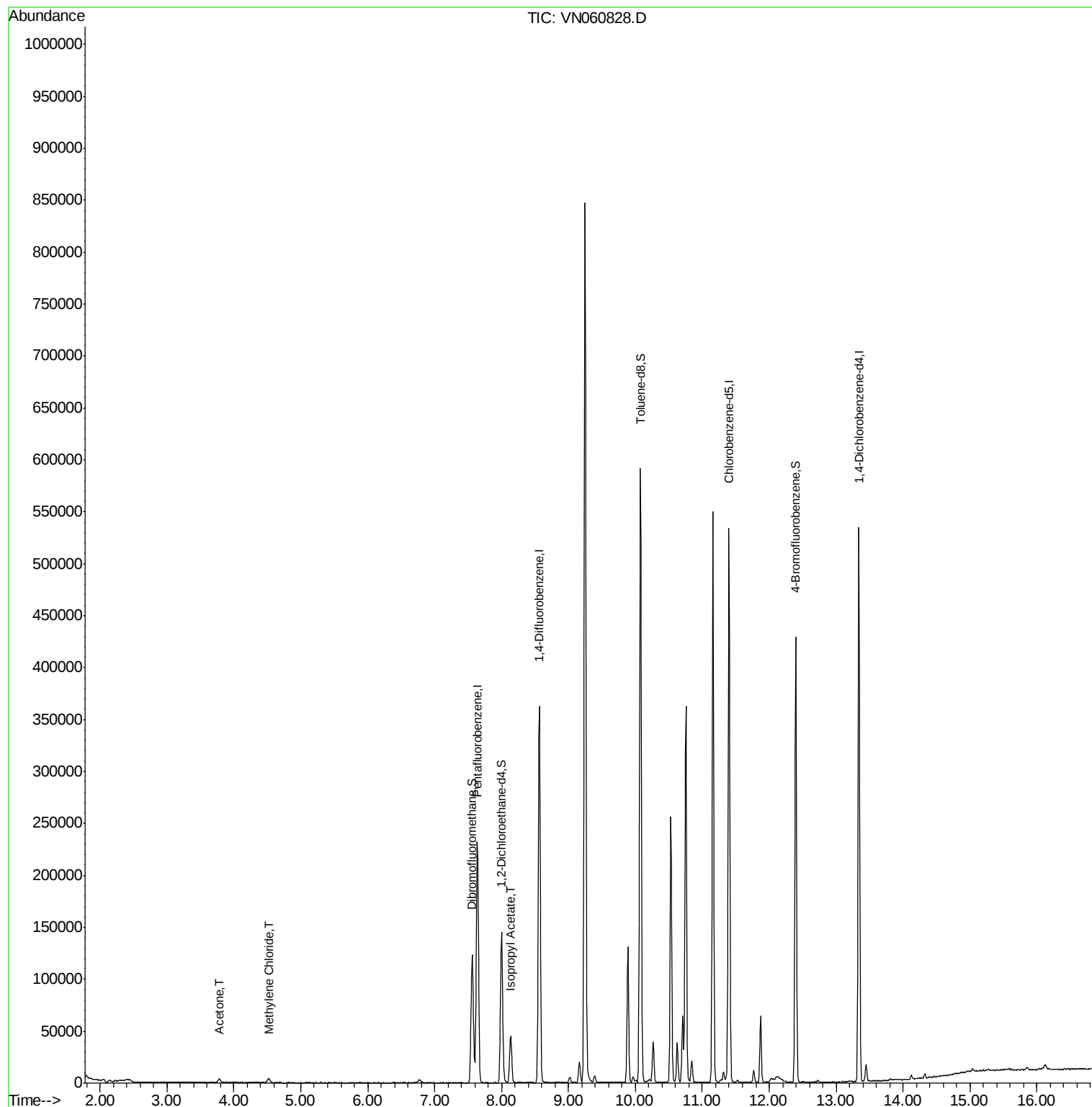
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 191705   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 321916   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 304980   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 140215   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 124513   | 47.31 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.62%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 96344    | 49.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.00%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 396597   | 49.88 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 152279   | 52.26 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.52% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.78  | 43   | 6584     | 7.063 | ug/l    | 92       |
| 20) Methylene Chloride      | 4.52  | 84   | 3283     | 1.432 | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 54820    | 9.869 | ug/l #  | 92       |

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

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MSVOA\_N  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
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# 1824

Delta R.T. -0.01 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

Instrument :

MSVOA\_N

ClientSampled :

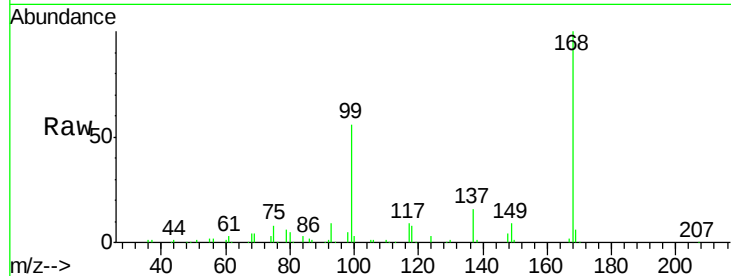
COMP-3

Tot Ion:168 Resp: 191705

Ion Ratio Lower Upper

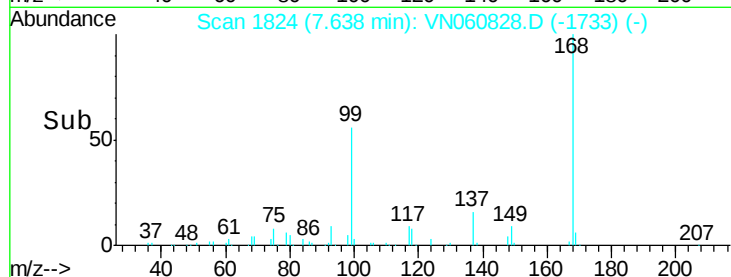
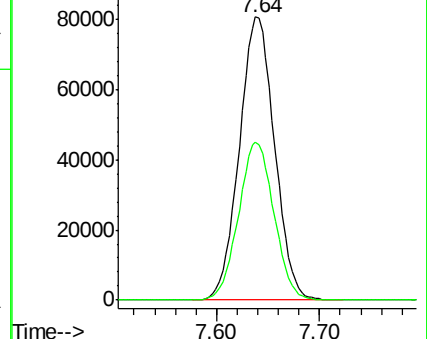
168 100

99 56.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 7.063 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060828.D

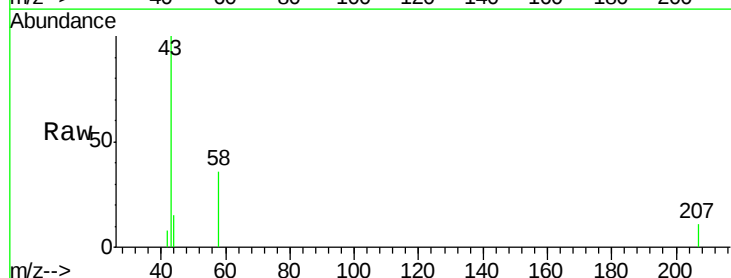
Acq: 2 Apr 2020 17:49

Tgt Ion: 43 Resp: 6584

Ion Ratio Lower Upper

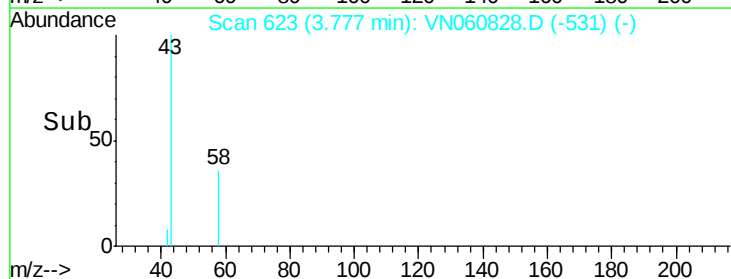
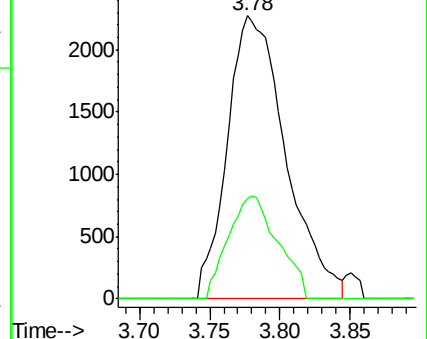
43 100

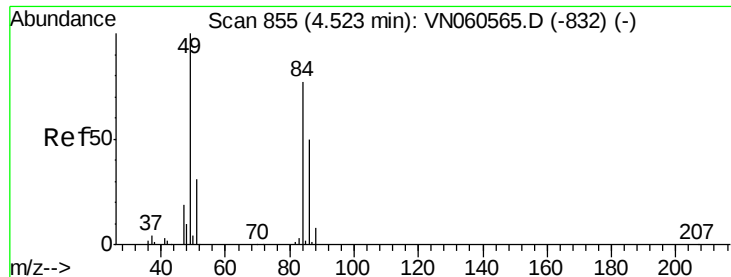
58 35.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

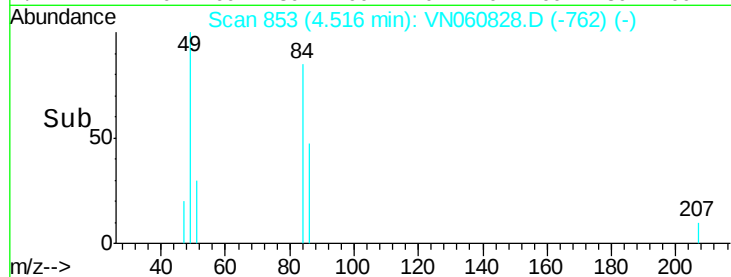
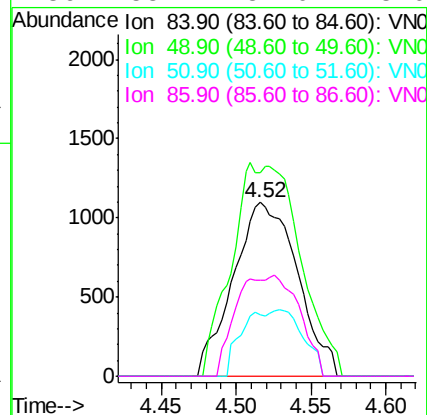
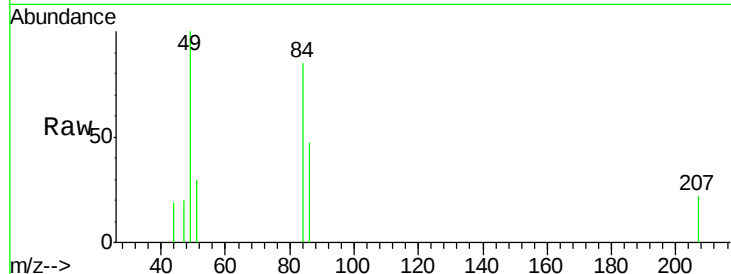




#20  
Methvlene Chloride  
Concen: 1.432 ug/l  
RT: 4.52 min Scan# 853  
Delta R.T. -0.01 min  
Lab File: VN060828.D  
Acq: 2 Apr 2020 17:49

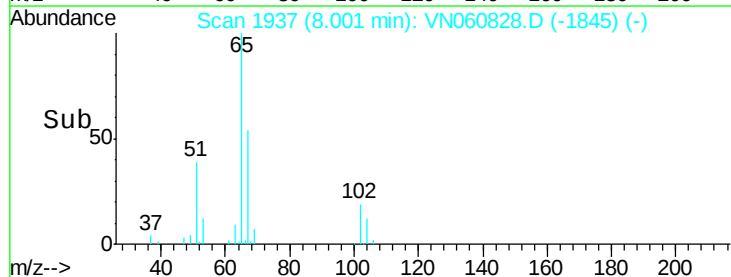
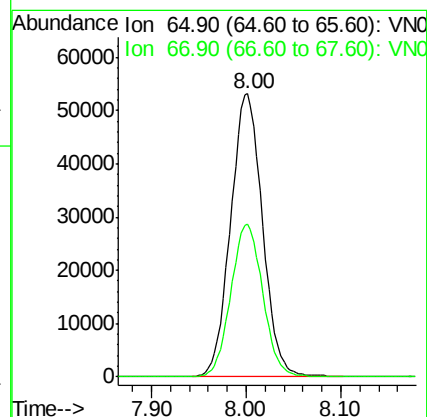
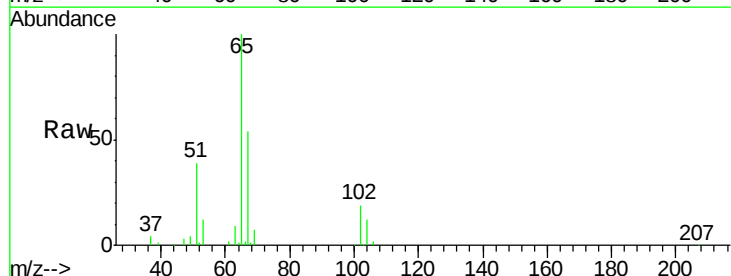
Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-3

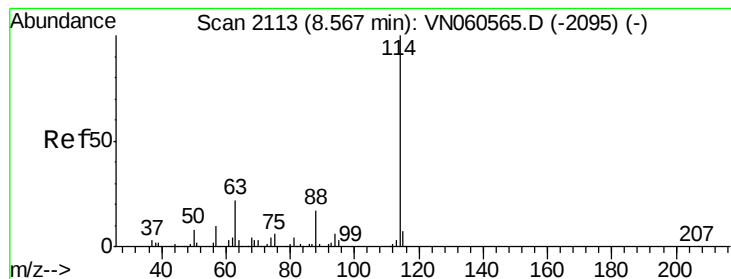
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 3283  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 117.2 | 103.3 | 154.9 |
| 51       | 35.4  | 31.6  | 47.4  |
| 86       | 55.2  | 52.0  | 78.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 47.313 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060828.D  
Acq: 2 Apr 2020 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 124513 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.9  | 0.0   | 107.6  |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

Instrument :

MSVOA\_N

ClientSampleId :

COMP-3

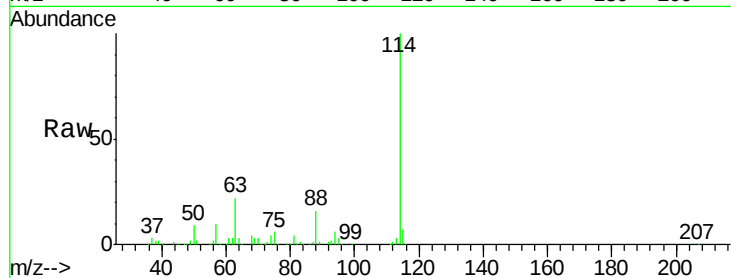
Tot Ion:114 Resp: 321916

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

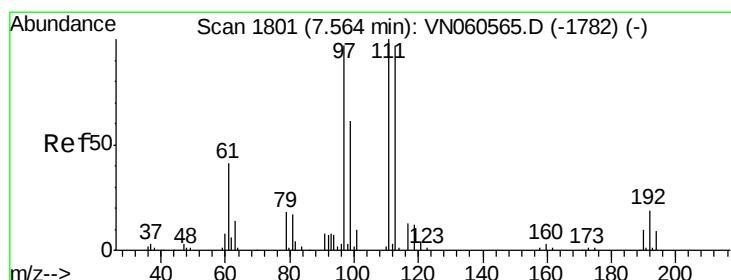
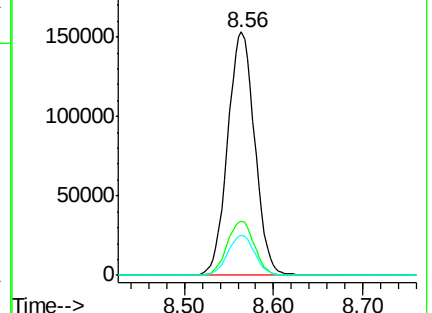
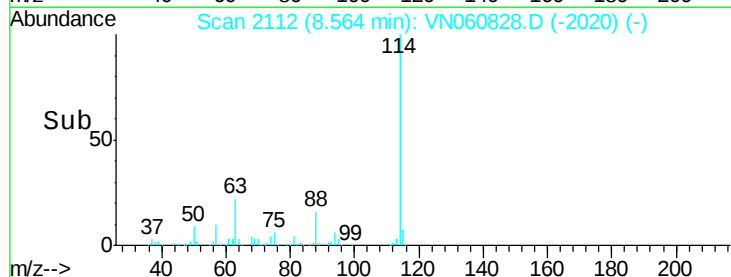
88 16.3 0.0 33.0



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: 49.495 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

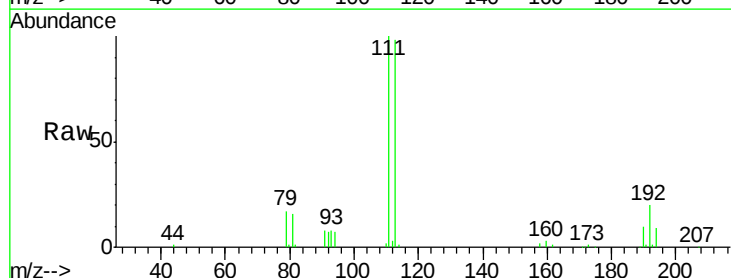
Tgt Ion:113 Resp: 96344

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

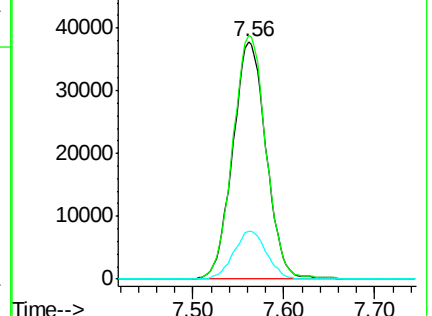
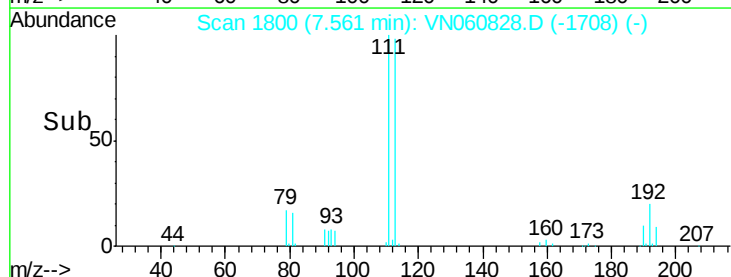
192 19.8 15.8 23.8



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: 9.869 ug/l

RT: 8.13 min Scan# 1978

Delta R.T. -0.01 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

Instrument :

MSVOA\_N

ClientSampleId :

COMP-3

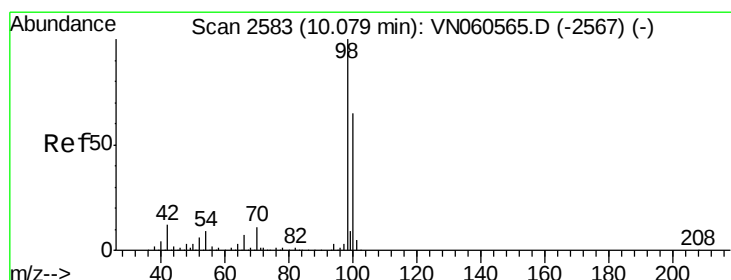
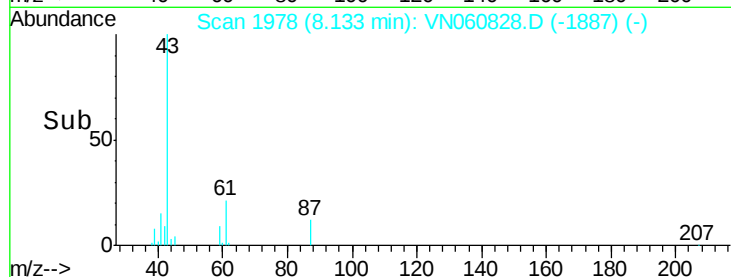
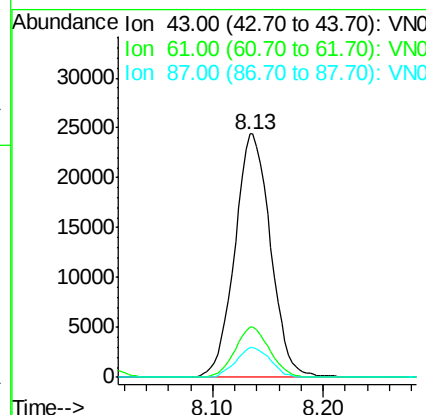
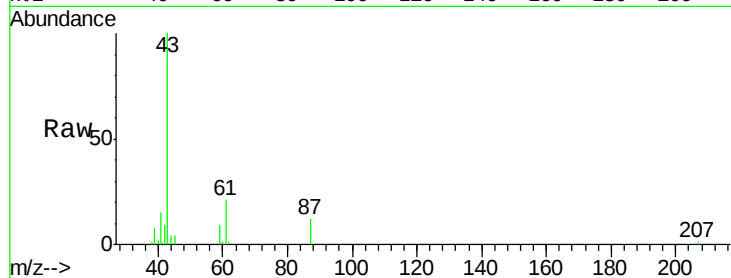
Tot Ion: 43 Resp: 54820

Ion Ratio Lower Upper

43 100

61 20.0 20.7 31.1#

87 11.7 9.8 14.8



#50

Toluene-d8

Concen: 49.881 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060828.D

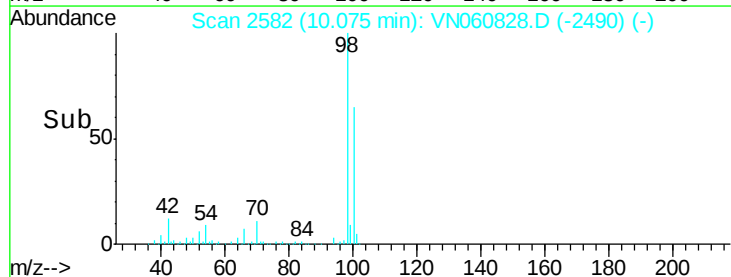
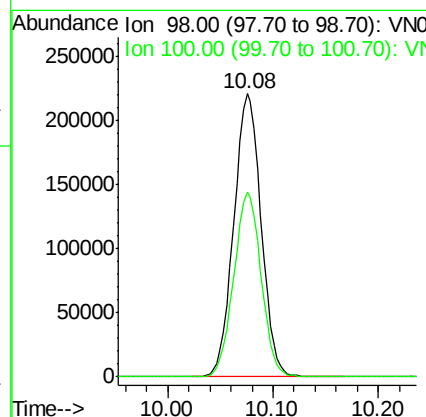
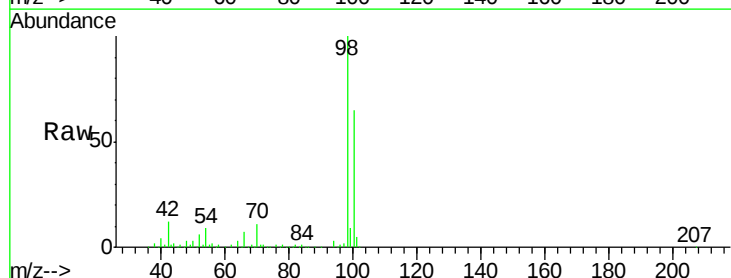
Acq: 2 Apr 2020 17:49

Tgt Ion: 98 Resp: 396597

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.8





#62

4-Bromofluorobenzene

Concen: 52.260 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

Instrument :

MSVOA\_N

ClientSampleId :

COMP-3

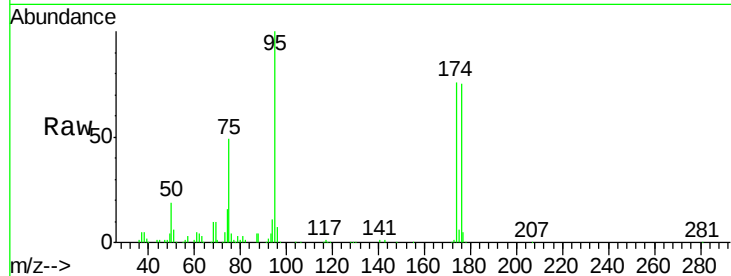
Tot Ion: 95 Resp: 152279

Ion Ratio Lower Upper

95 100

174 77.3 0.0 157.6

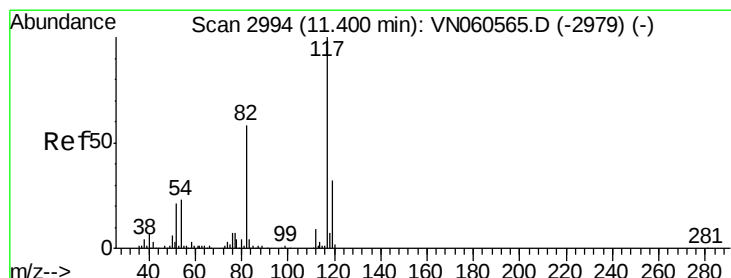
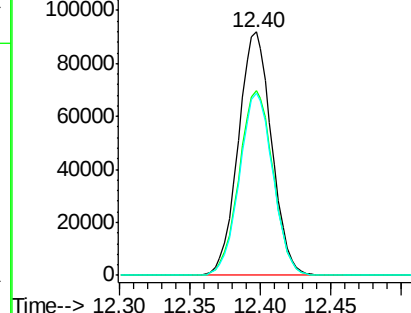
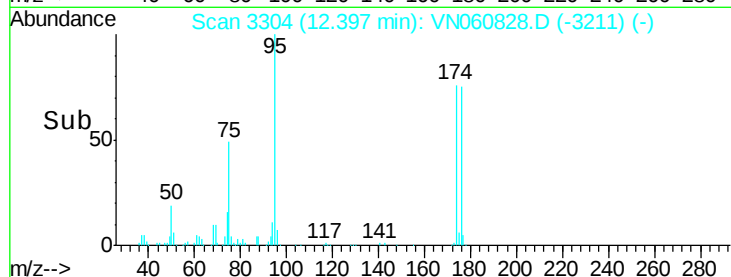
176 75.1 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060828.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060828.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060828.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

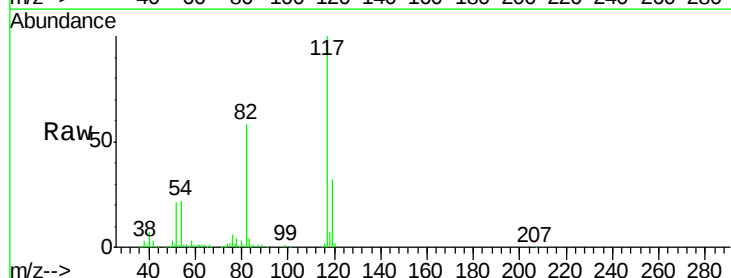
Tgt Ion: 117 Resp: 304980

Ion Ratio Lower Upper

117 100

82 57.8 46.7 70.1

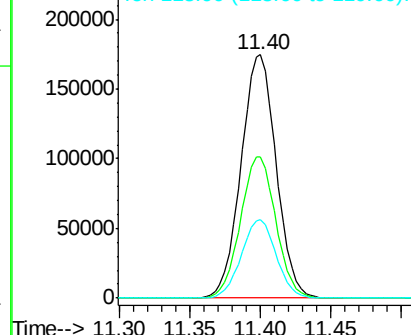
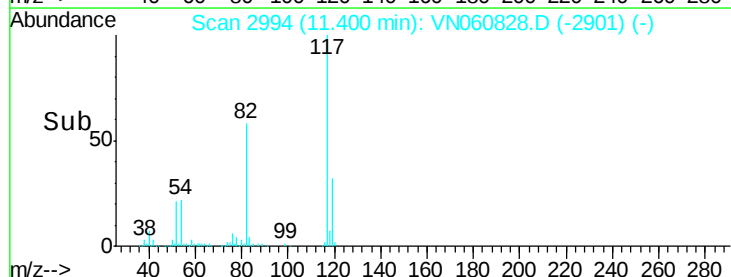
119 32.2 25.5 38.3

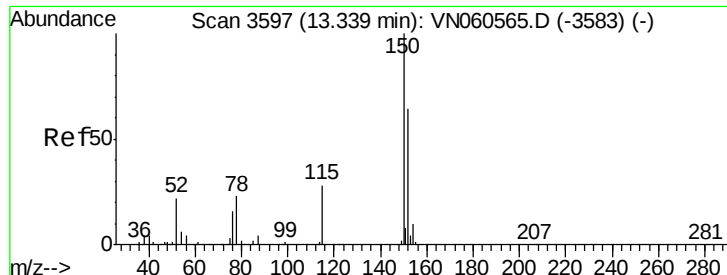


Abundance Ion 116.90 (116.60 to 117.60): VN060828.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060828.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060828.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060828.D

Acq: 2 Apr 2020 17:49

Instrument :

MSVOA\_N

ClientSampleId :

COMP-3

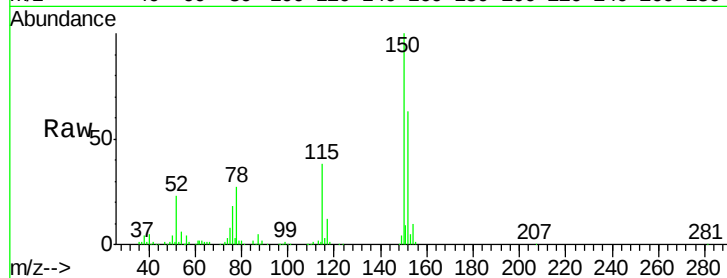
Tot Ion:152 Resp: 140215

Ion Ratio Lower Upper

152 100

115 60.1 30.2 90.6

150 157.4 0.0 350.2



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

