

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
 Data File : VN052007.D  
 Acq On : 25 Oct 2018 13:08  
 Operator : MD\SY  
 Sample : J5652-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VB16206-VB16207-V236-VB16209-V

Quant Time: Oct 26 02:05:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

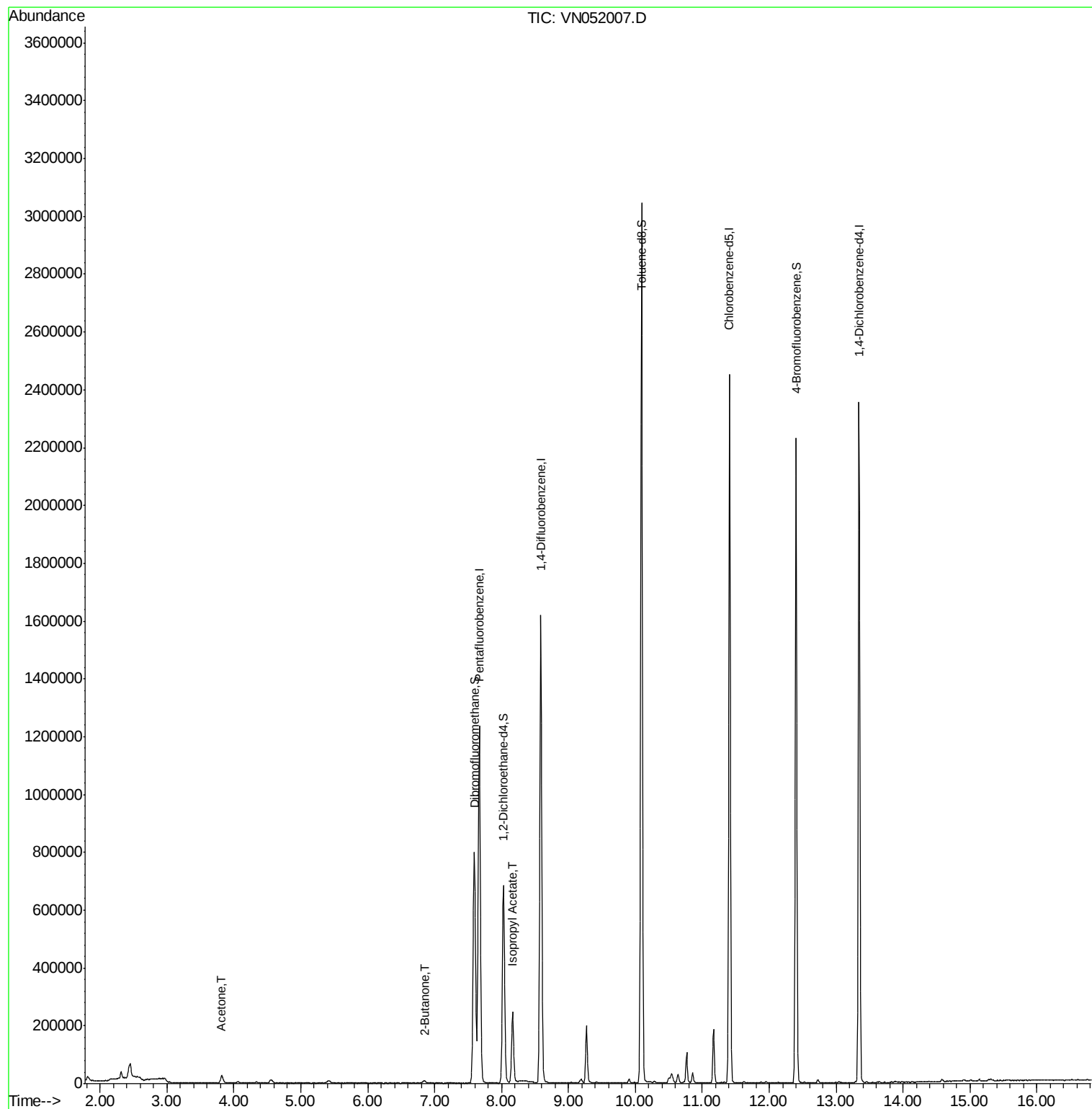
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1111872  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1628276  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1543210  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 678838   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 576007   | 58.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.34% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 600248   | 57.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.54% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2243264  | 59.75  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.50% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 699347   | 54.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 108.38% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 41725    | 25.574 | ug/l    | 100      |
| 25) 2-Butanone              | 6.85  | 43   | 13267    | 5.704  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 273993   | 26.193 | ug/l    | 99       |

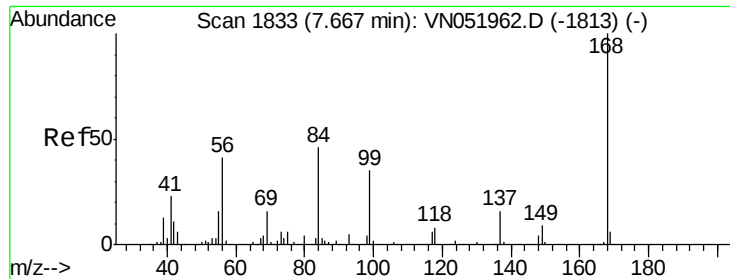
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
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Acq On : 25 Oct 2018 13:08  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
VB16206-VB16207-V236-VB16209-V

Quant Time: Oct 26 02:05:56 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 24 10:12:55 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

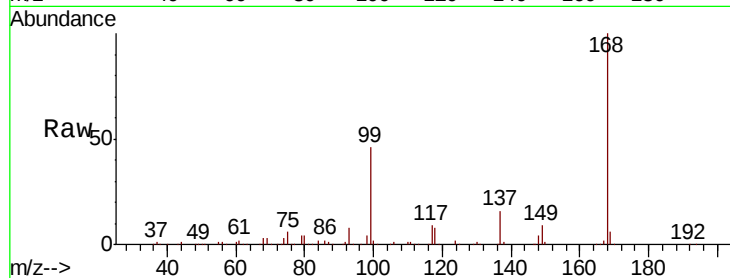
VB16206-VB16207-V236-VB16209-V

Tot Ion:168 Resp: 1111872

Ion Ratio Lower Upper

168 100

99 46.0 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

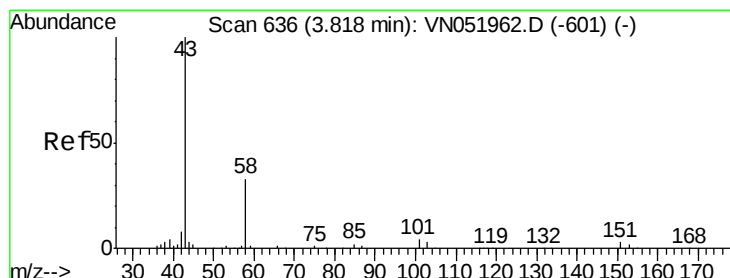
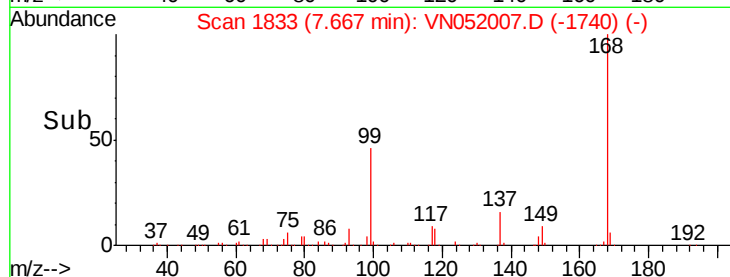
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 25.574 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052007.D

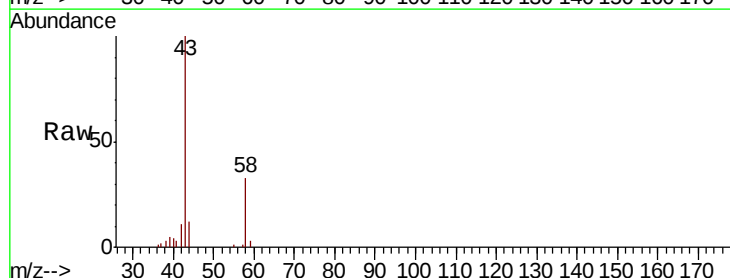
Acq: 25 Oct 2018 13:08

Tgt Ion: 43 Resp: 41725

Ion Ratio Lower Upper

43 100

58 33.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

3.82

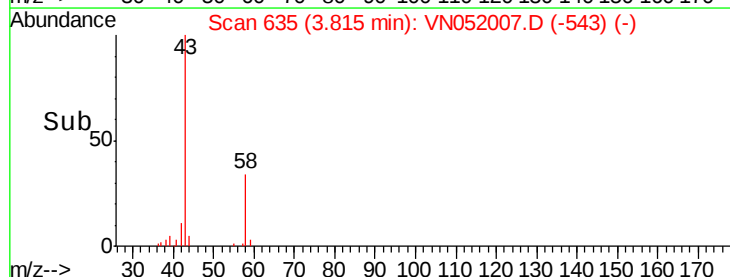
15000

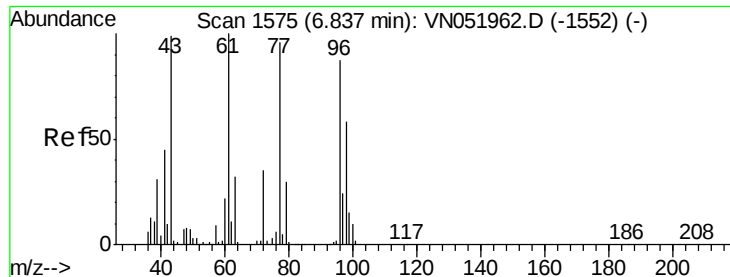
10000

5000

0

Time-->





#25

2-Butanone

Concen: 5.704 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

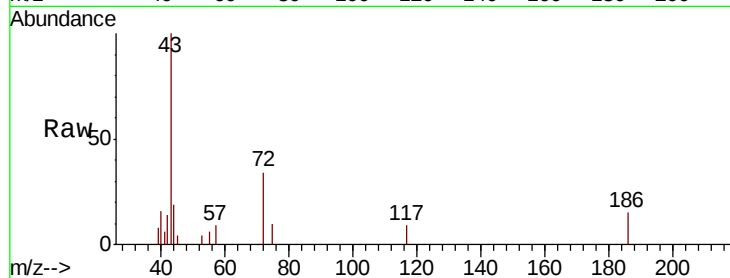
VB16206-VB16207-V236-VB16209-V

Tot Ion: 43 Resp: 13267

Ion Ratio Lower Upper

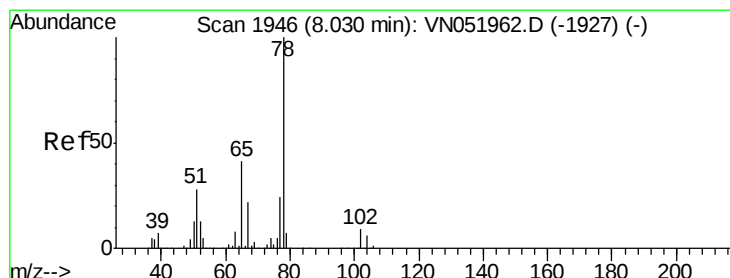
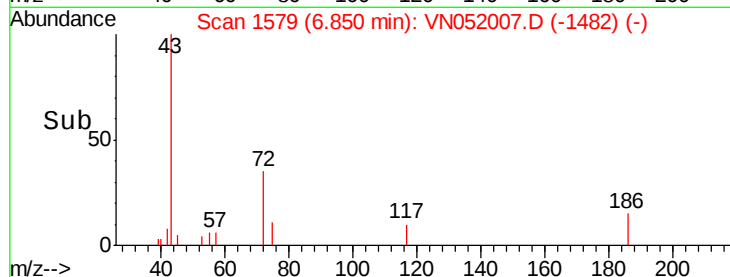
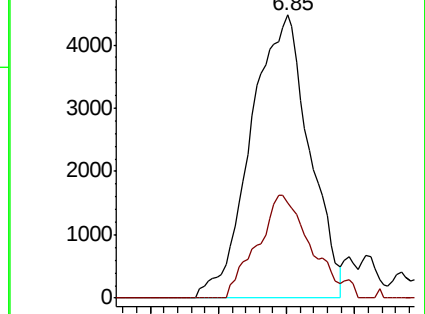
43 100

72 33.6 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052007.D

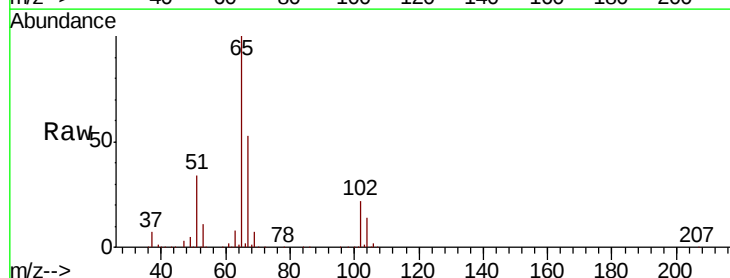
Acq: 25 Oct 2018 13:08

Tgt Ion: 65 Resp: 576007

Ion Ratio Lower Upper

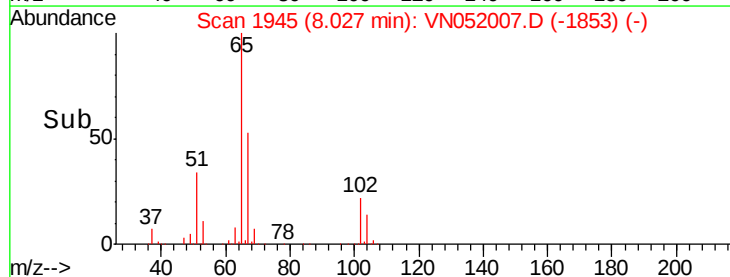
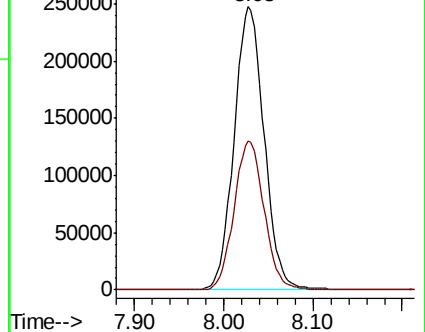
65 100

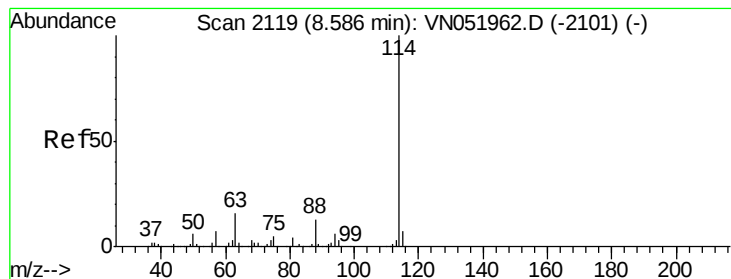
67 52.7 0.0 105.8



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

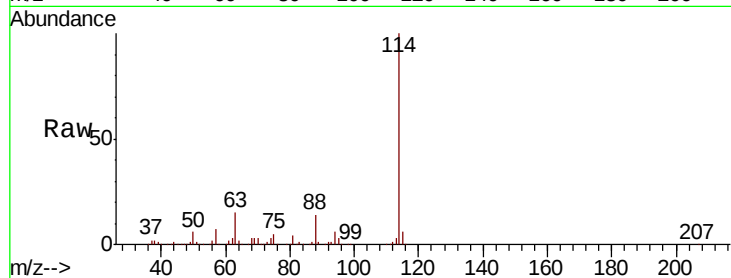
Tot Ion:114 Resp: 1628276

Ion Ratio Lower Upper

114 100

63 15.2 0.0 31.2

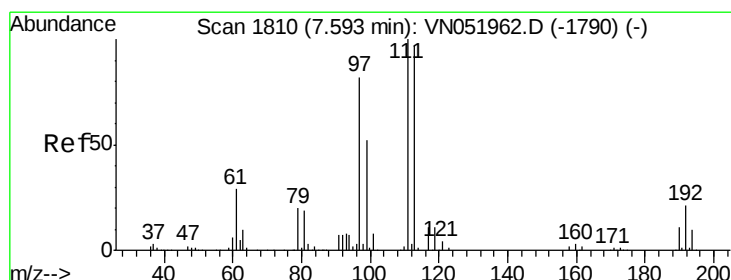
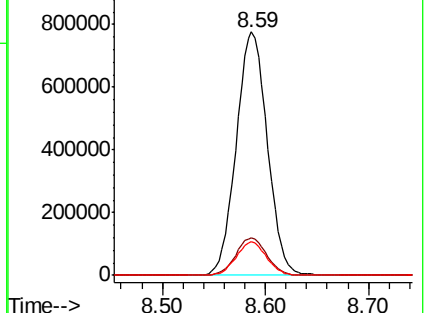
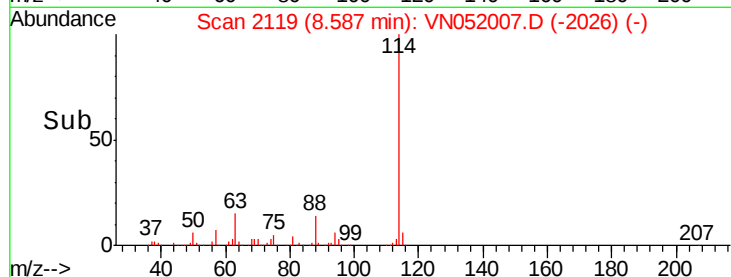
88 13.7 0.0 27.0



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

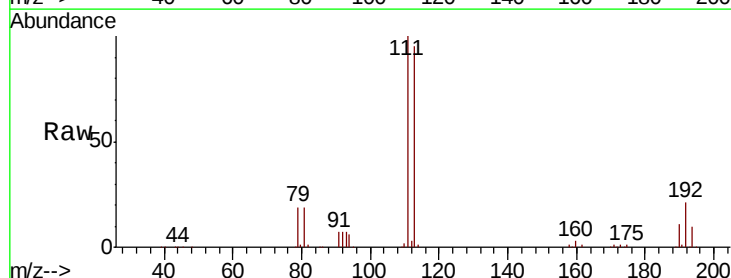
Tgt Ion:113 Resp: 600248

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

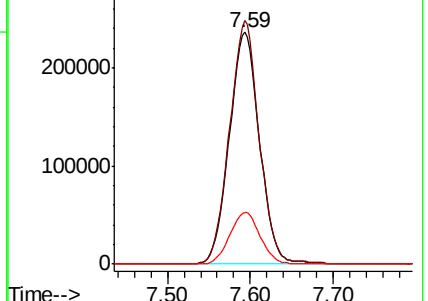
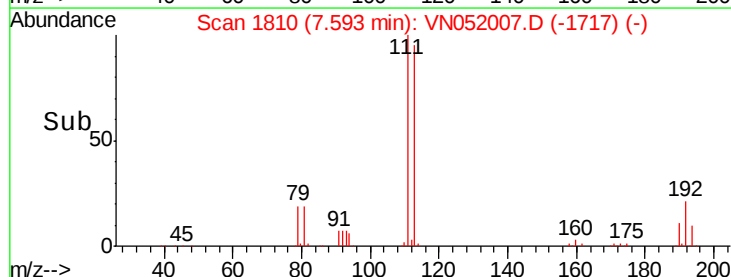
192 22.4 17.2 25.8

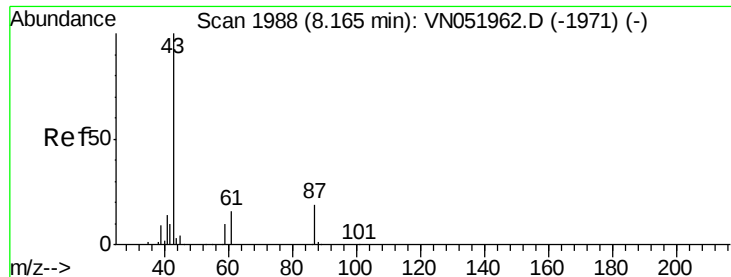


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



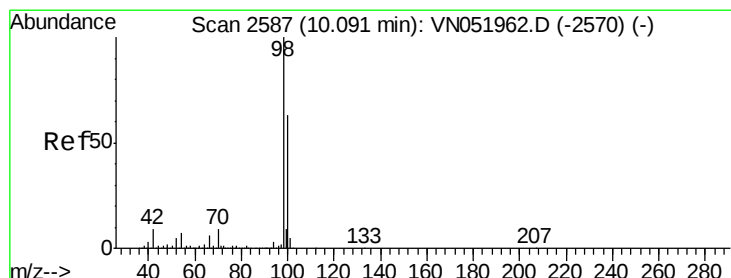
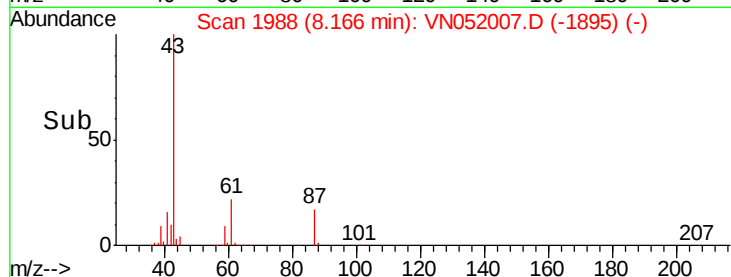
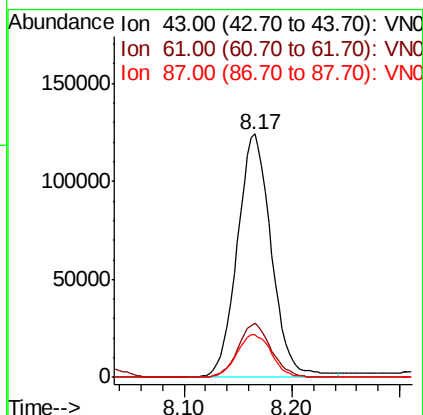
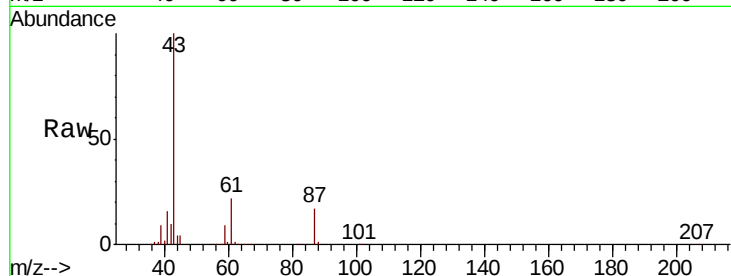


#43

Isopropyl Acetate  
 Concen: 26.193 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN052007.D  
 Acq: 25 Oct 2018 13:08

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VB16206-VB16207-V236-VB16209-V

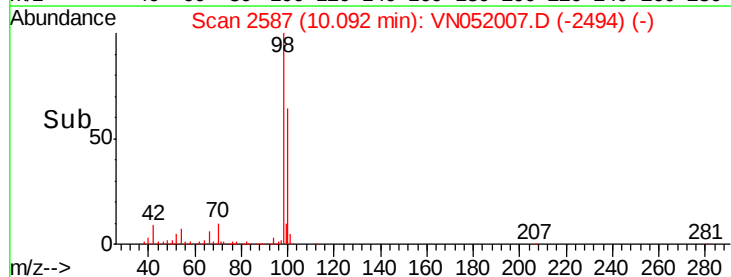
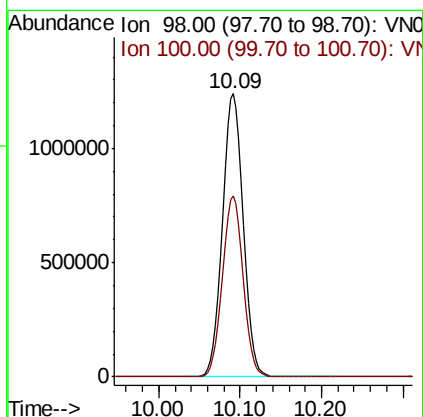
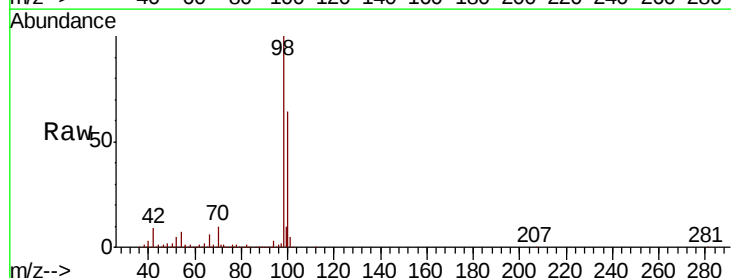
Tot Ion: 43 Resp: 273993  
 Ion Ratio Lower Upper  
 43 100  
 61 21.5 17.2 25.8  
 87 17.9 15.2 22.8

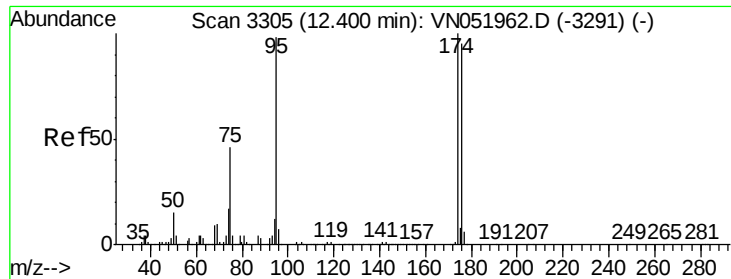


#50

Toluene-d8  
 Concen: N.D. ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN052007.D  
 Acq: 25 Oct 2018 13:08

Tgt Ion: 98 Resp: 2243264  
 Ion Ratio Lower Upper  
 98 100  
 100 63.8 50.7 76.1





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

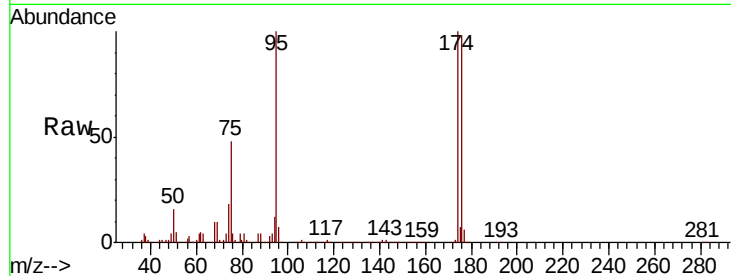
Tot Ion: 95 Resp: 699347

Ion Ratio Lower Upper

95 100

174 101.9 0.0 206.0

176 98.3 0.0 198.0



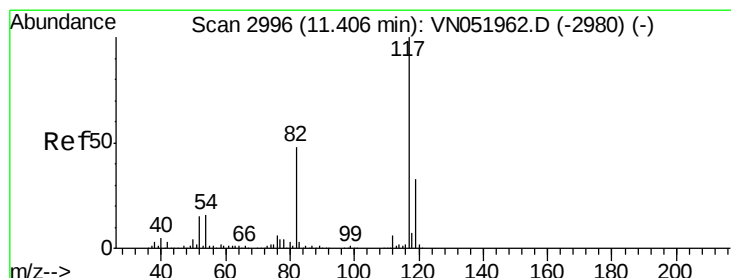
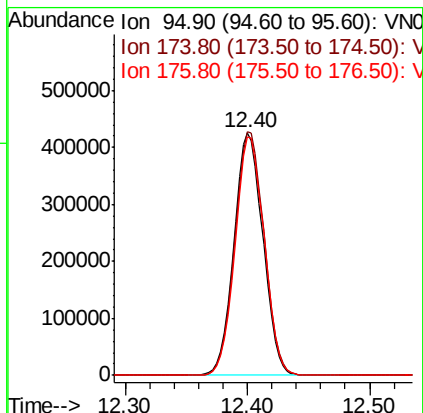
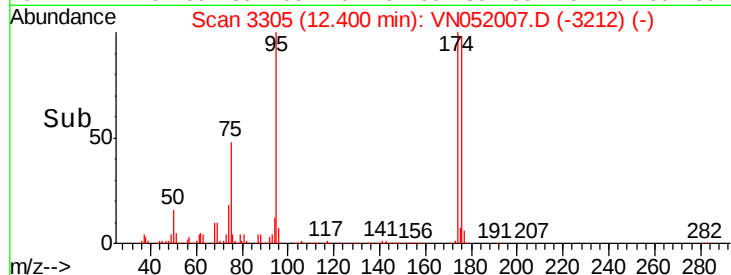
Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

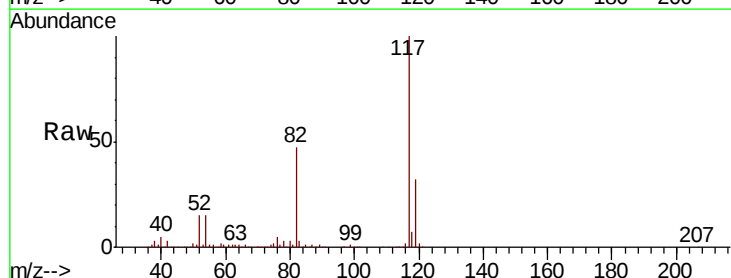
Tgt Ion: 117 Resp: 1543210

Ion Ratio Lower Upper

117 100

82 47.0 38.1 57.1

119 32.5 26.4 39.6



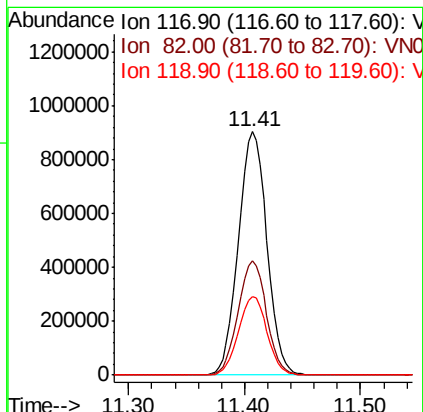
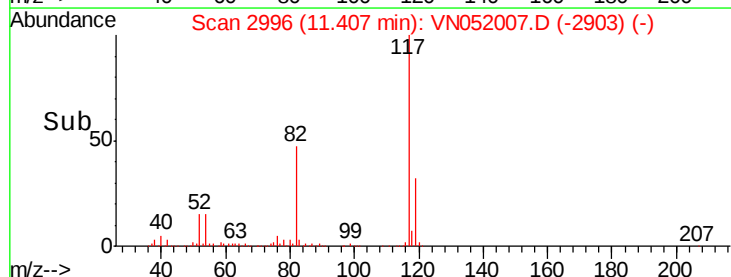
Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

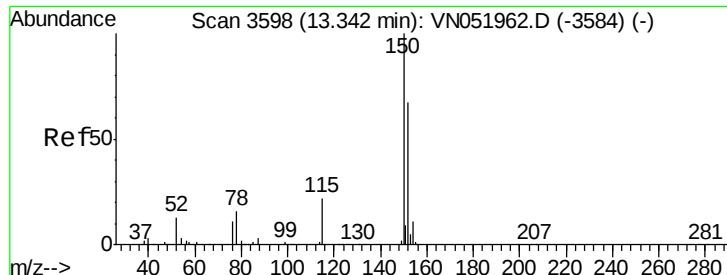
Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)

11.41

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052007.D

Acq: 25 Oct 2018 13:08

Instrument :

MSVOA\_N

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

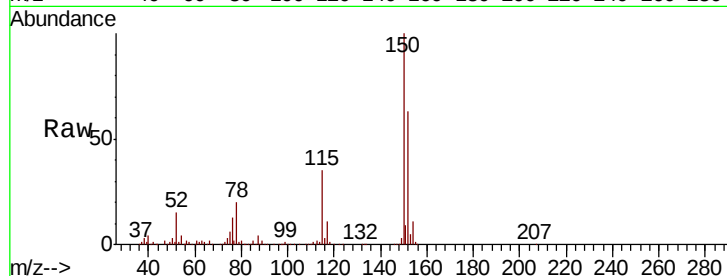
Tot Ion:152 Resp: 678838

Ion Ratio Lower Upper

152 100

115 54.0 25.8 77.3

150 157.4 0.0 344.4



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

