

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\  
 Data File : VN052298.D  
 Acq On : 13 Nov 2018 20:23  
 Operator : MD\SY  
 Sample : PB114744ZHE#11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114744ZHE#11

Quant Time: Nov 14 02:44:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110918W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 12 00:34:27 2018  
 Response via : Initial Calibration

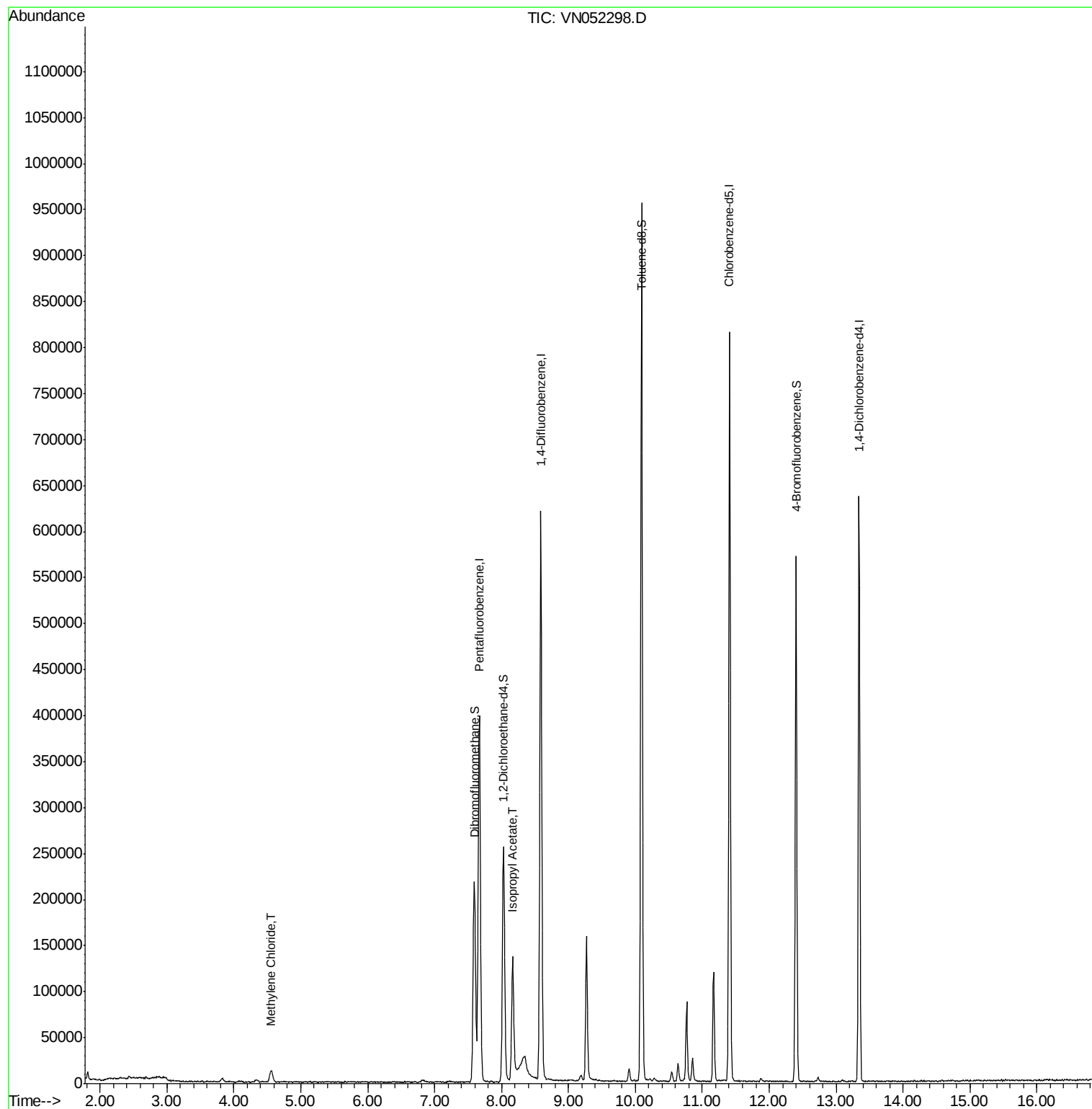
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 300694   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 514977   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 427428   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 154213   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 211657   | 51.47  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.94% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 162007   | 48.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.14%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 631699   | 48.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 182995   | 43.34  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 86.68%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 8579     | 2.288  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 169933   | 24.937 | ug/l    | 97       |

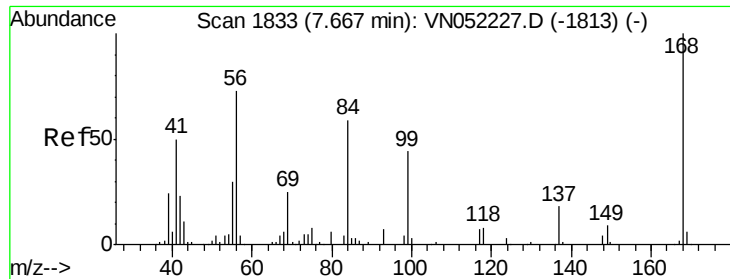
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111318\  
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QLast Update : Mon Nov 12 00:34:27 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: VN052298.D

Acq: 13 Nov 2018 20:23

Instrument :

MSVOA\_N

ClientSampleId :

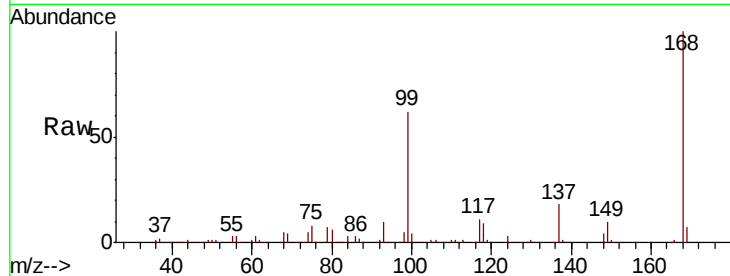
PB114744ZHE#11

Tot Ion:168 Resp: 300694

Ion Ratio Lower Upper

168 100

99 61.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

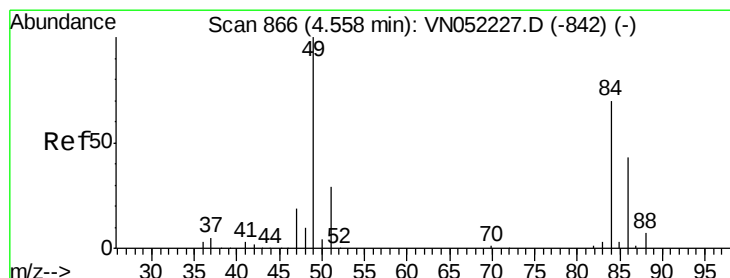
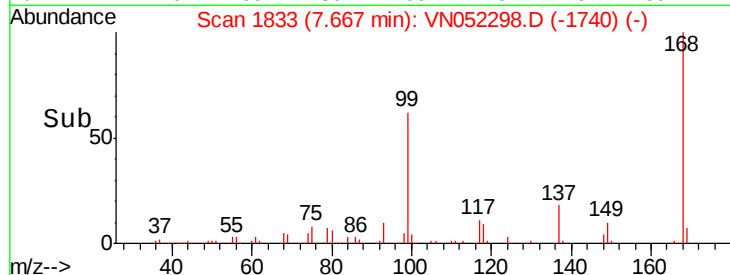
100000

50000

0

Time-->

7.60 7.70 7.80



#20

Methylene Chloride

Concen: 2.288 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052298.D

Acq: 13 Nov 2018 20:23

Tgt Ion: 84 Resp: 8579

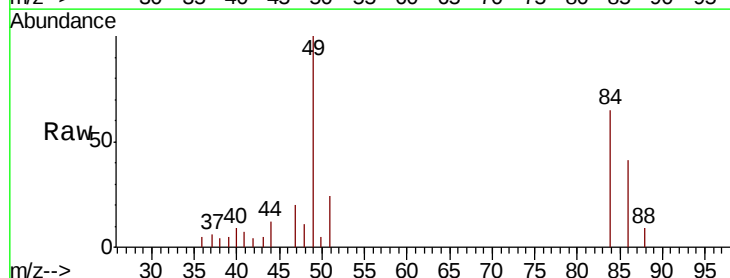
Ion Ratio Lower Upper

84 100

49 147.1 114.8 172.2

51 36.5 33.1 49.7

86 63.2 49.7 74.5



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

6000

5000

4000

3000

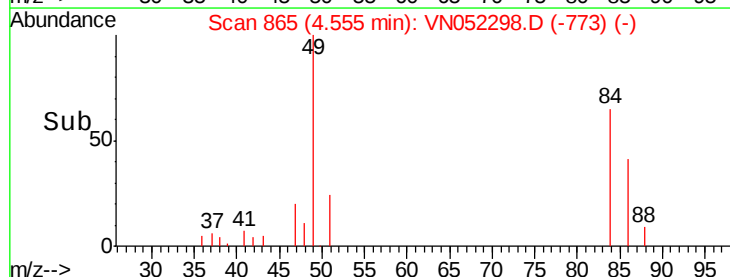
2000

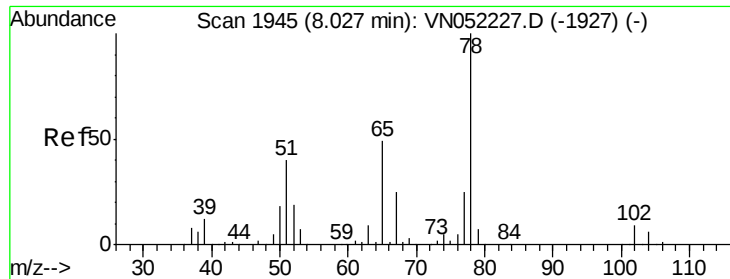
1000

0

Time-->

4.45 4.50 4.55 4.60 4.65

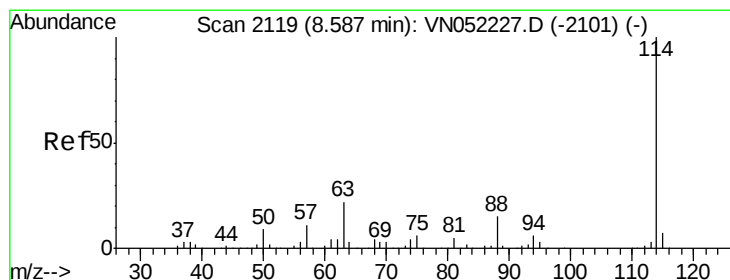
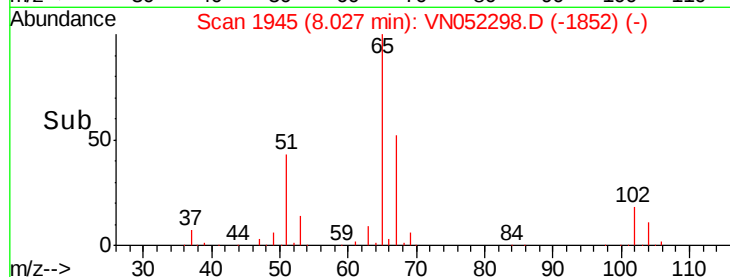
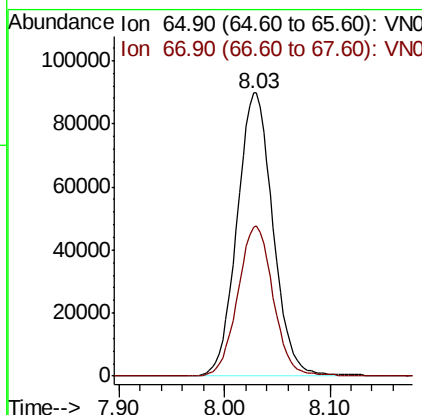
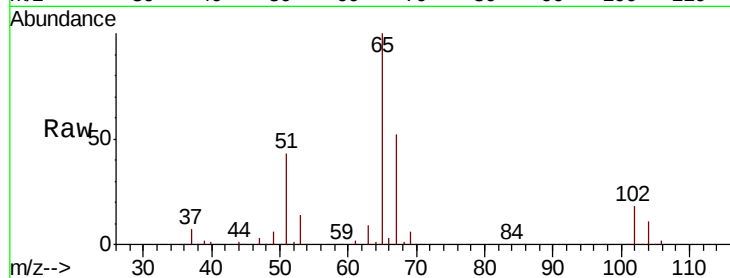




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN052298.D  
 Acq: 13 Nov 2018 20:23

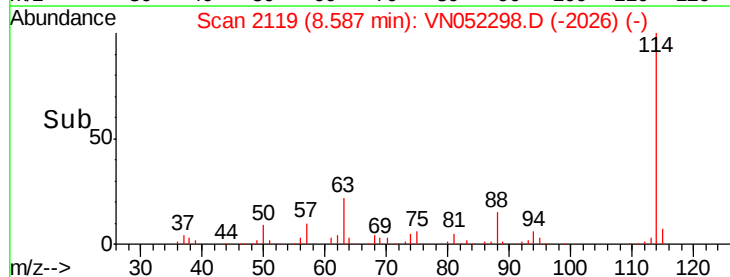
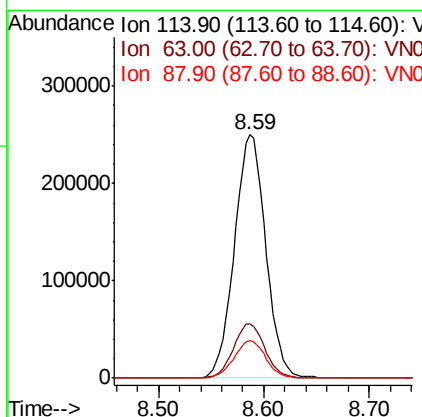
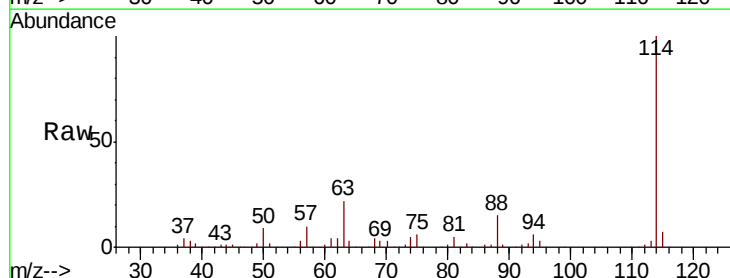
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114744ZHE#11

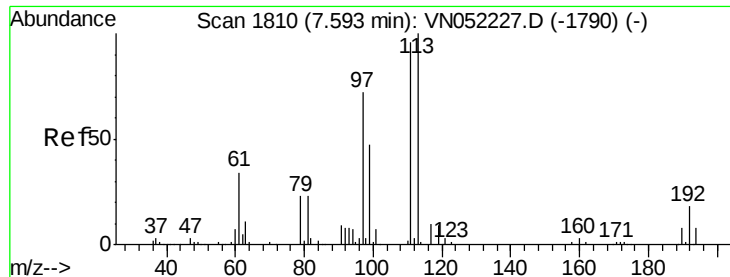
Tot Ion: 65 Resp: 211657  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 106.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052298.D  
 Acq: 13 Nov 2018 20:23

Tgt Ion: 114 Resp: 514977  
 Ion Ratio Lower Upper  
 114 100  
 63 22.3 0.0 43.4  
 88 15.2 0.0 30.2

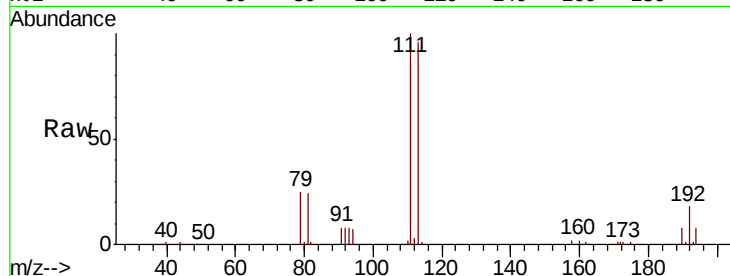




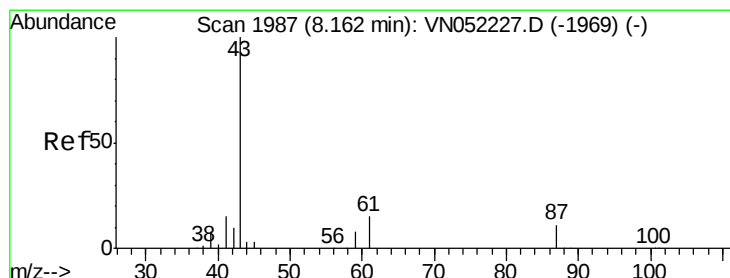
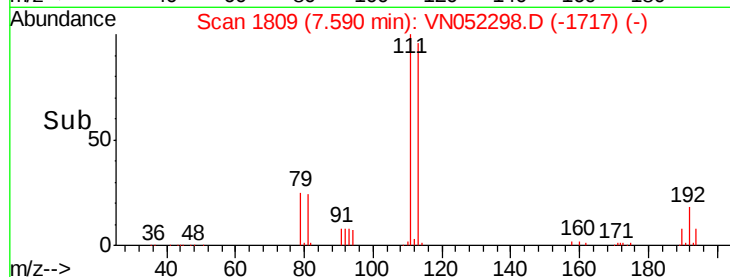
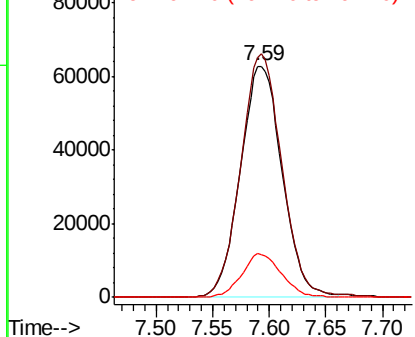
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN052298.D  
 Acq: 13 Nov 2018 20:23

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114744ZHE#11

Tot Ion:113 Resp: 162007  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 80.2 120.4  
 192 18.0 14.1 21.1

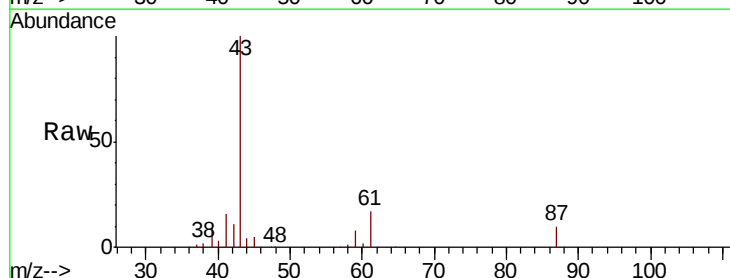


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

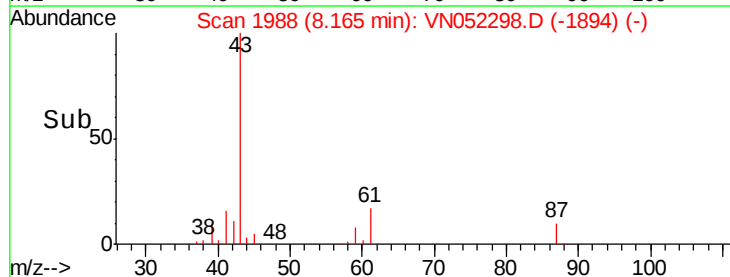
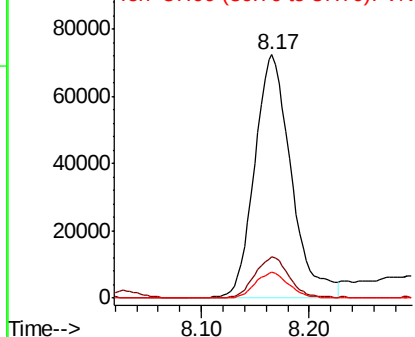


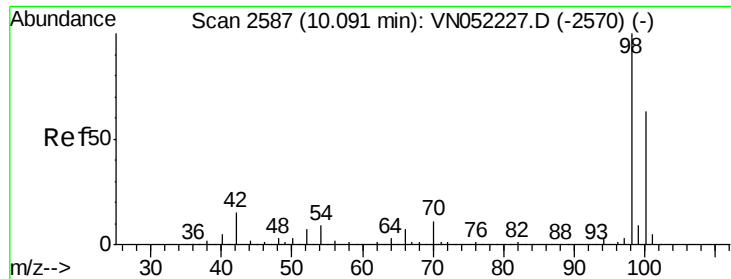
#43  
 Isopropyl Acetate  
 Concen: 24.937 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN052298.D  
 Acq: 13 Nov 2018 20:23

Tgt Ion: 43 Resp: 169933  
 Ion Ratio Lower Upper  
 43 100  
 61 16.0 14.2 21.4  
 87 9.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VNO  
 Ion 61.00 (60.70 to 61.70): VNO  
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052298.D

Acq: 13 Nov 2018 20:23

Instrument :

MSVOA\_N

ClientSampleId :

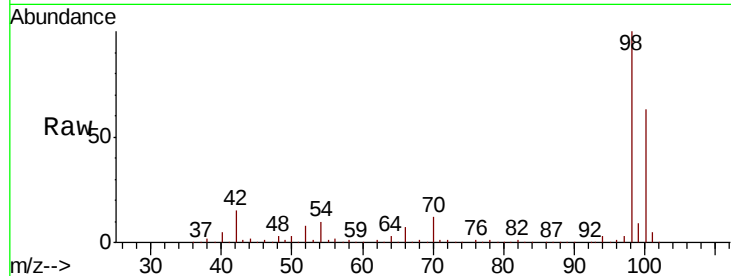
PB114744ZHE#11

Tot Ion: 98 Resp: 631699

Ion Ratio Lower Upper

98 100

100 62.8 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

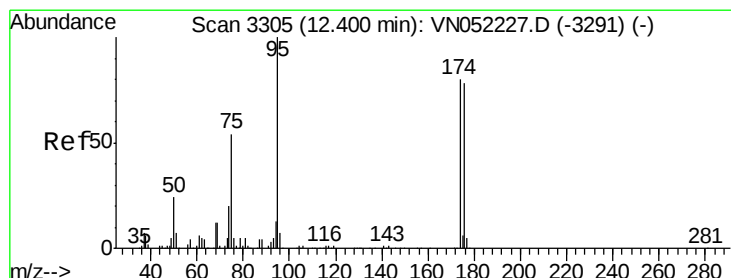
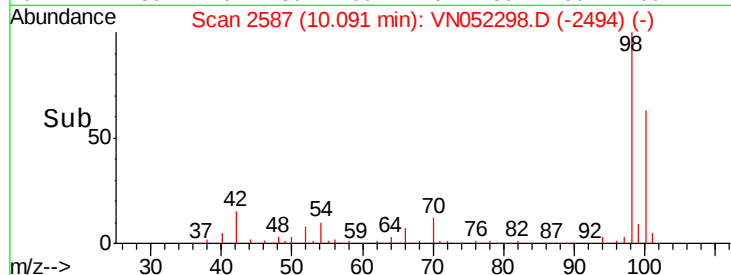
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052298.D

Acq: 13 Nov 2018 20:23

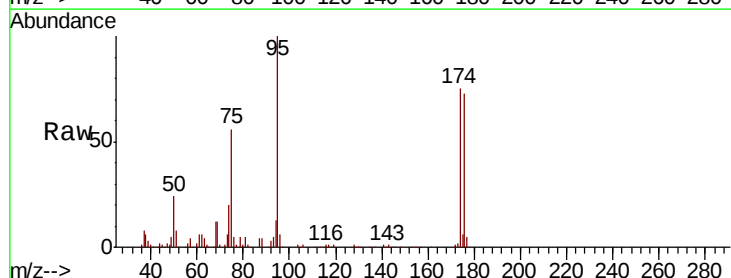
Tgt Ion: 95 Resp: 182995

Ion Ratio Lower Upper

95 100

174 77.7 0.0 159.4

176 74.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

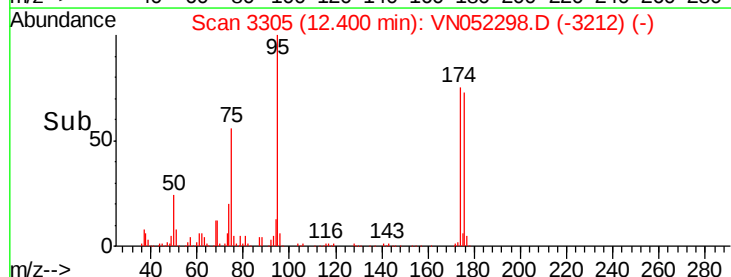
12.40

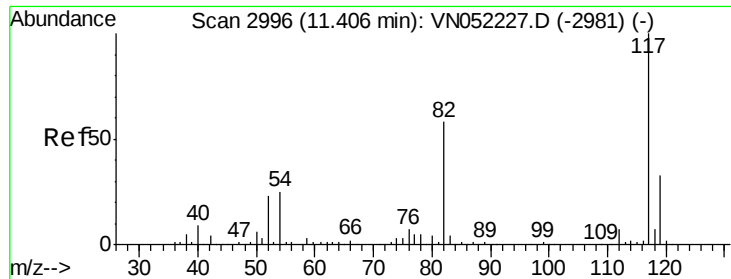
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50000

0

Time-->

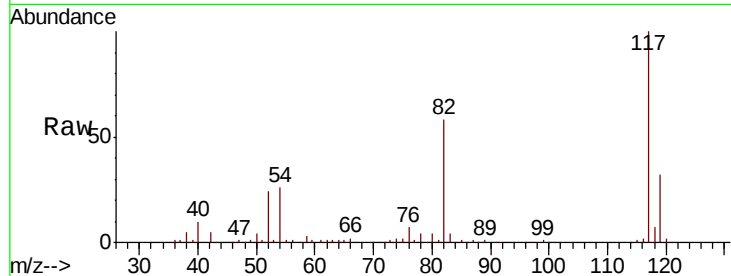




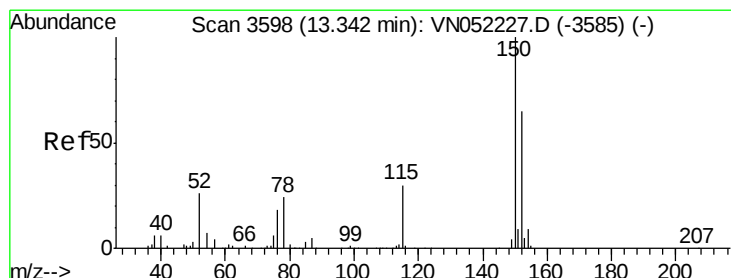
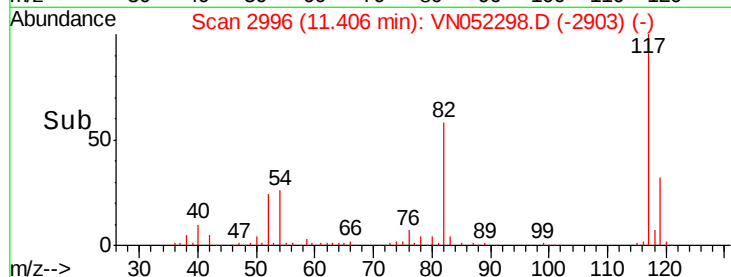
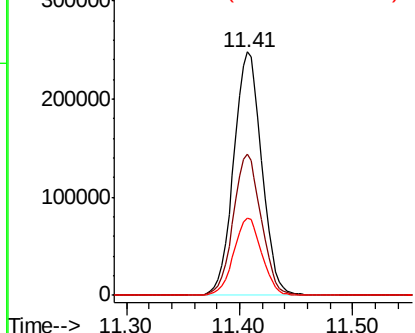
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052298.D  
Acq: 13 Nov 2018 20:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114744ZHE#11

Tot Ion:117 Resp: 427428  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.2 69.2  
119 31.9 26.2 39.4

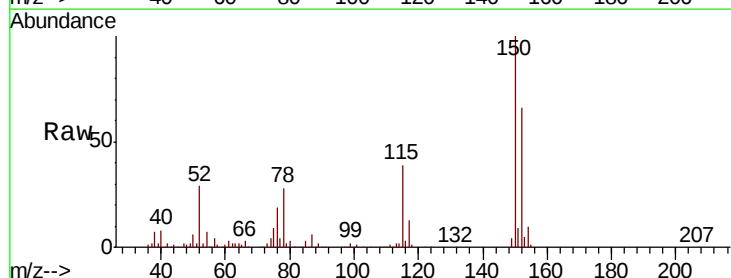


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN052298.D  
Acq: 13 Nov 2018 20:23

Tgt Ion:152 Resp: 154213  
Ion Ratio Lower Upper  
152 100  
115 58.9 29.8 89.5  
150 155.0 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

