

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\  
 Data File : VN051994.D  
 Acq On : 24 Oct 2018 18:00  
 Operator : MD\SY  
 Sample : PB114120ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114120ZHE#10

Quant Time: Oct 25 02:28:41 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

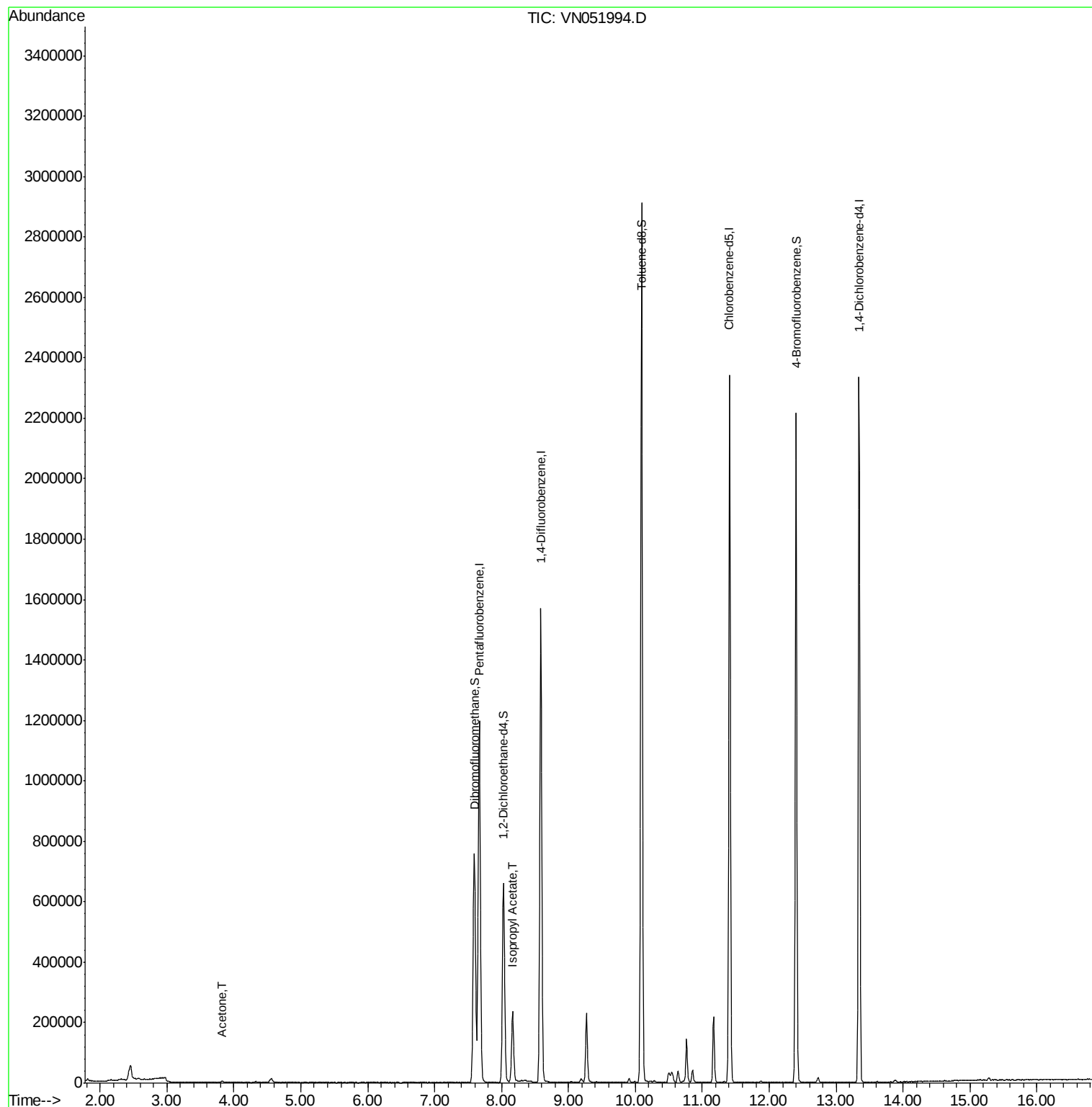
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1069217  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1559967  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1474906  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 679083   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 552765   | 58.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.10% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 577320   | 58.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.00% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2154531  | 59.90  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.80% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 682887   | 55.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.46% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 7114     | 4.534  | ug/l #  | 79       |
| 43) Isopropyl Acetate       | 8.16  | 43   | 263296   | 26.273 | ug/l    | 99       |

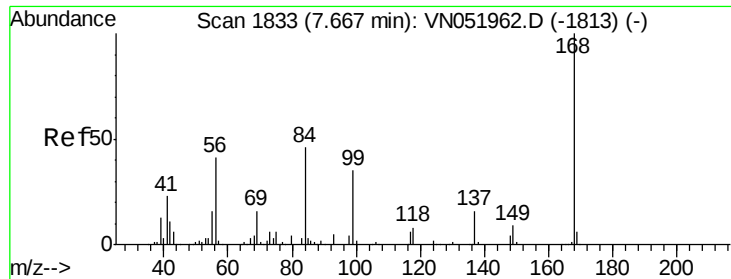
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102418\  
Data File : VN051994.D  
Acq On : 24 Oct 2018 18:00  
Operator : MD\SY  
Sample : PB114120ZHE#10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114120ZHE#10

Quant Time: Oct 25 02:28:41 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: VN051994.D

Acq: 24 Oct 2018 18:00

Instrument :

MSVOA\_N

ClientSampleId :

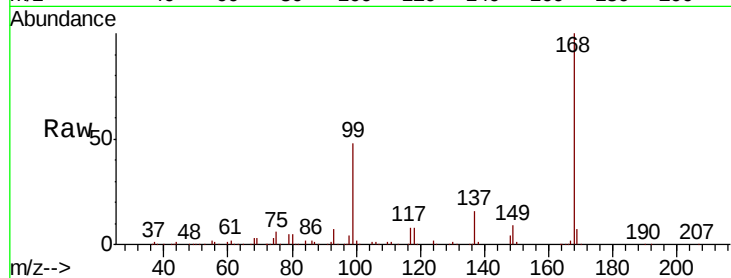
PB114120ZHE#10

Tot Ion:168 Resp: 1069217

Ion Ratio Lower Upper

168 100

99 47.9 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

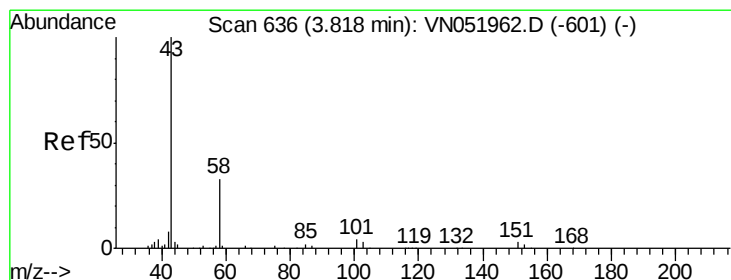
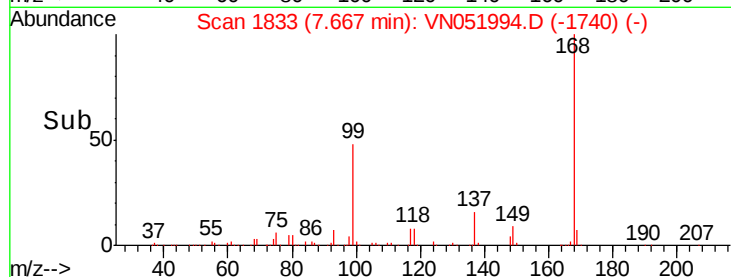
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 4.534 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN051994.D

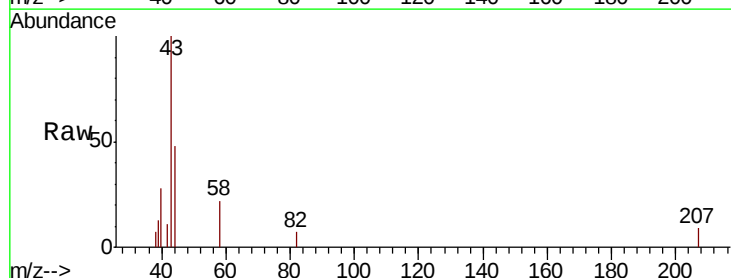
Acq: 24 Oct 2018 18:00

Tgt Ion: 43 Resp: 7114

Ion Ratio Lower Upper

43 100

58 21.5 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

2500

2000

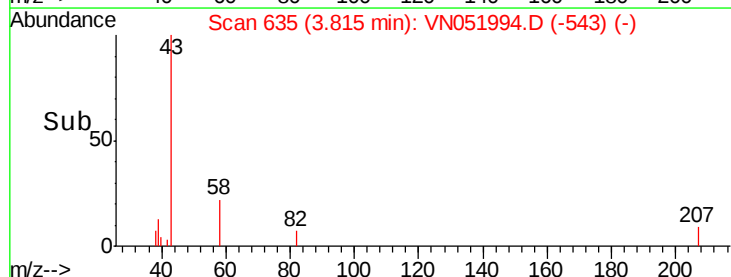
1500

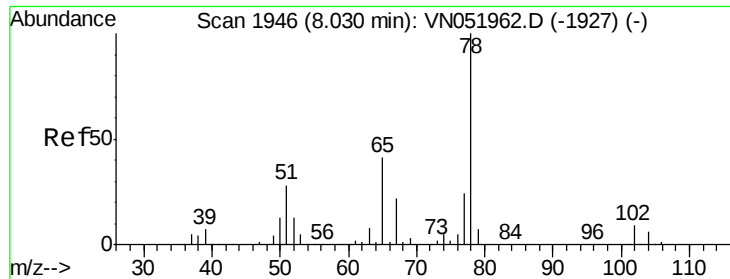
1000

500

0

Time-->

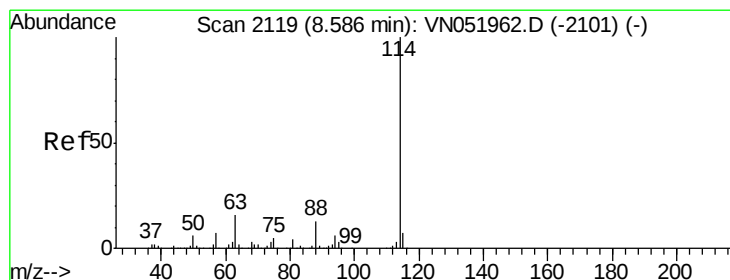
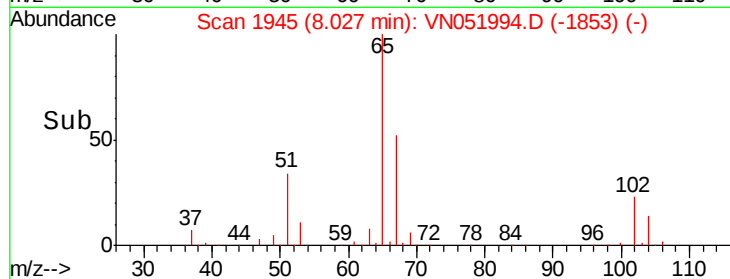
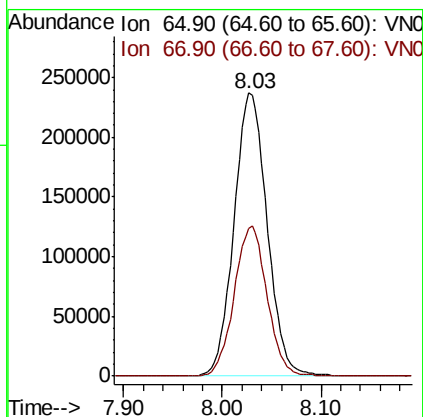
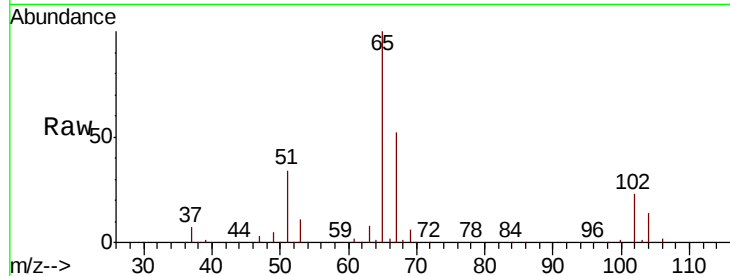




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051994.D  
 Acq: 24 Oct 2018 18:00

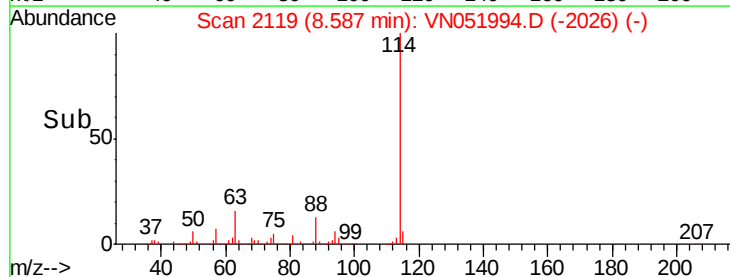
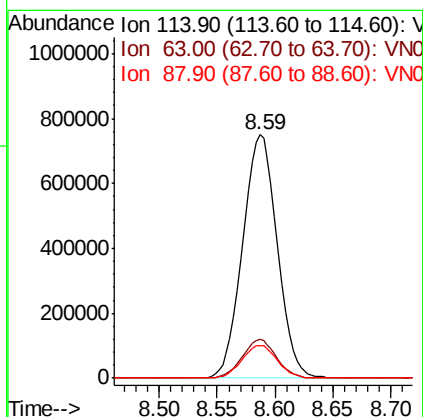
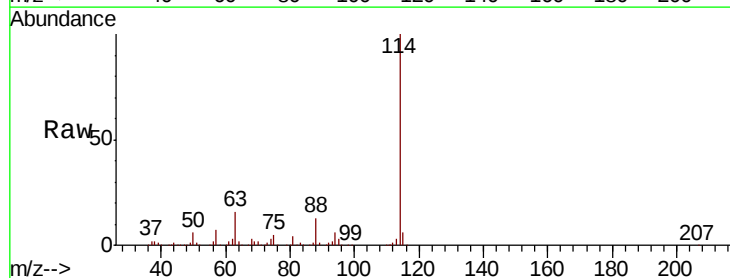
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114120ZHE#10

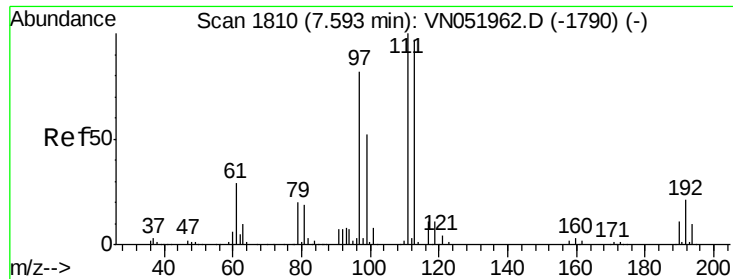
Tot Ion: 65 Resp: 552765  
 Ion Ratio Lower Upper  
 65 100  
 67 52.6 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051994.D  
 Acq: 24 Oct 2018 18:00

Tgt Ion: 114 Resp: 1559967  
 Ion Ratio Lower Upper  
 114 100  
 63 16.0 0.0 31.2  
 88 13.5 0.0 27.0

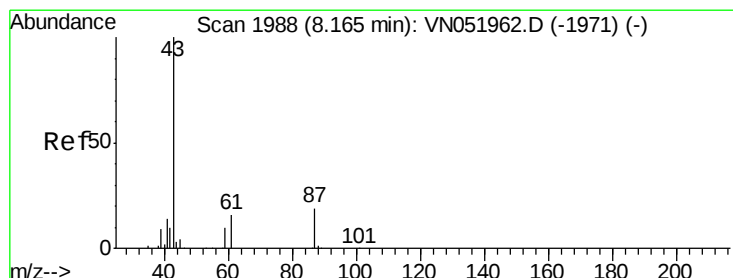
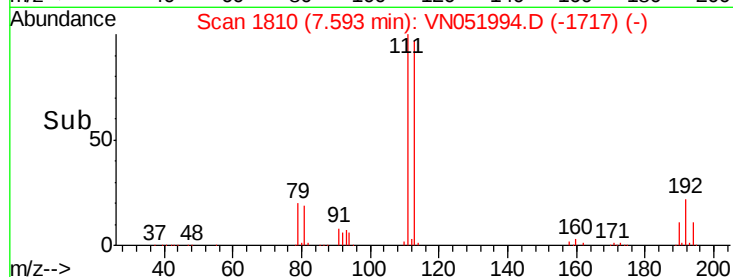
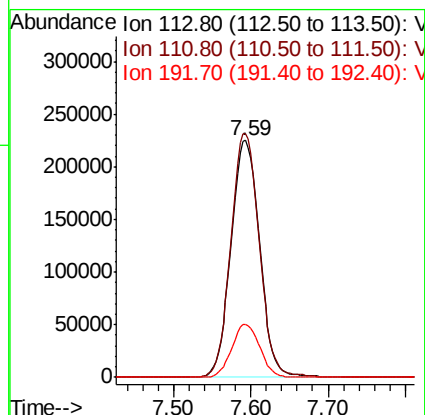
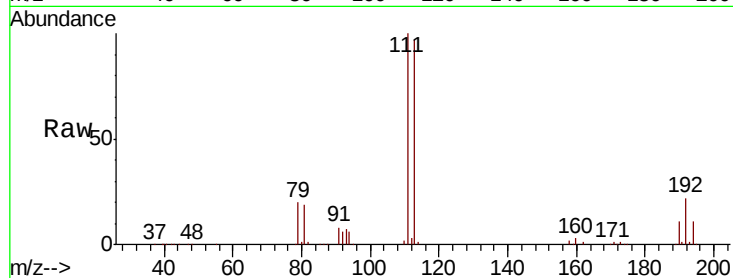




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051994.D  
 Acq: 24 Oct 2018 18:00

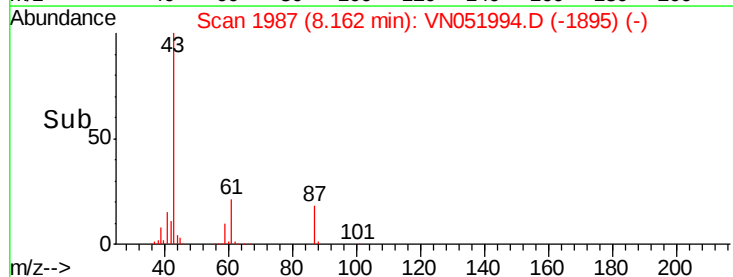
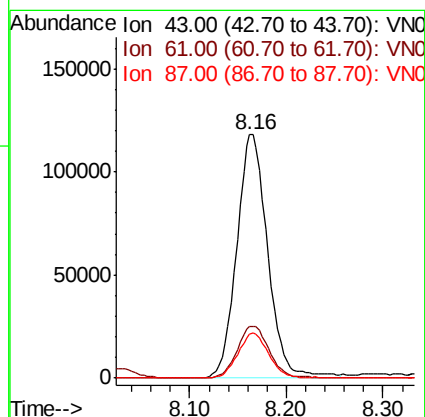
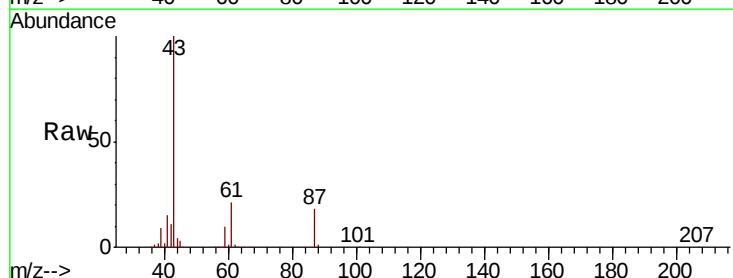
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114120ZHE#10

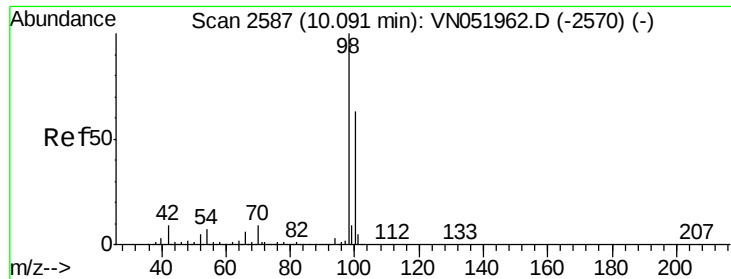
Tot Ion:113 Resp: 577320  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 80.7 121.1  
 192 21.8 17.2 25.8



#43  
 Isopropyl Acetate  
 Concen: 26.273 ug/l  
 RT: 8.16 min Scan# 1987  
 Delta R.T. -0.00 min  
 Lab File: VN051994.D  
 Acq: 24 Oct 2018 18:00

Tgt Ion: 43 Resp: 263296  
 Ion Ratio Lower Upper  
 43 100  
 61 21.8 17.2 25.8  
 87 18.2 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: VN051994.D

Acq: 24 Oct 2018 18:00

Instrument :

MSVOA\_N

ClientSampleId :

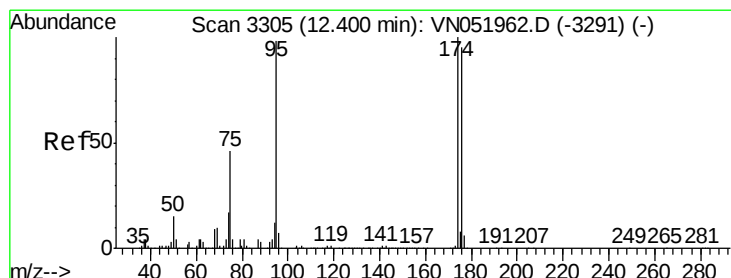
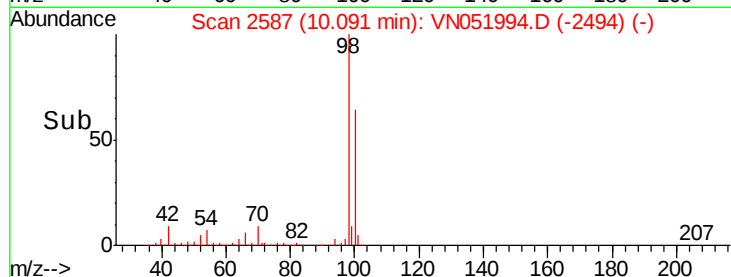
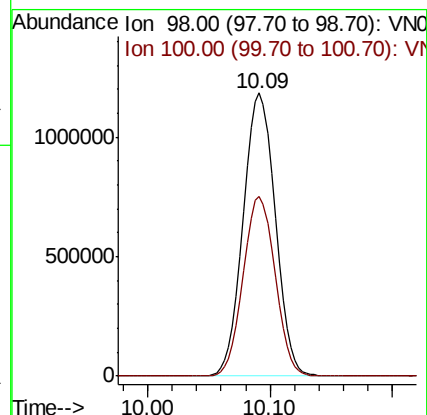
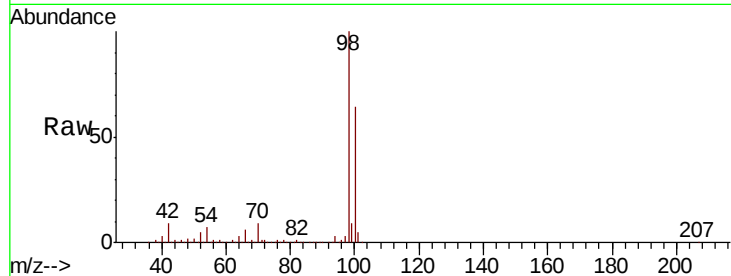
PB114120ZHE#10

Tot Ion: 98 Resp: 2154531

Ion Ratio Lower Upper

98 100

100 63.2 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: VN051994.D

Acq: 24 Oct 2018 18:00

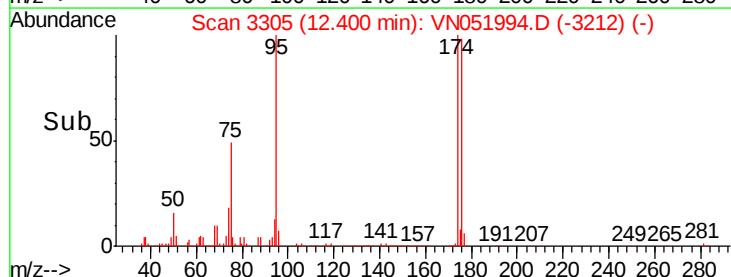
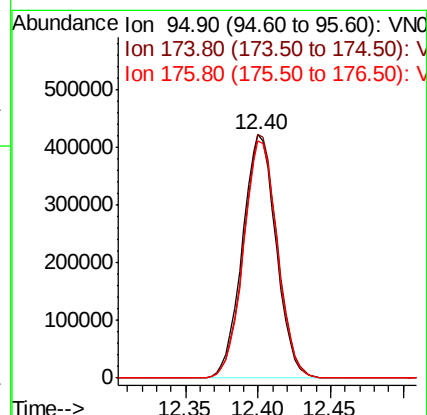
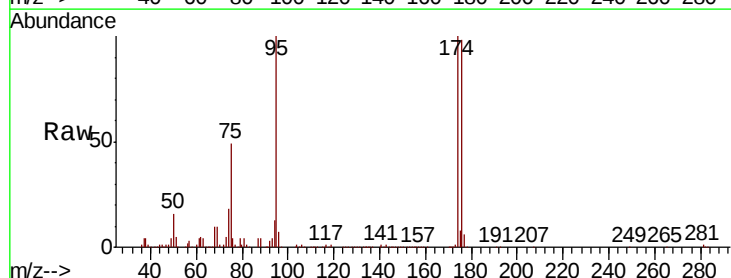
Tgt Ion: 95 Resp: 682887

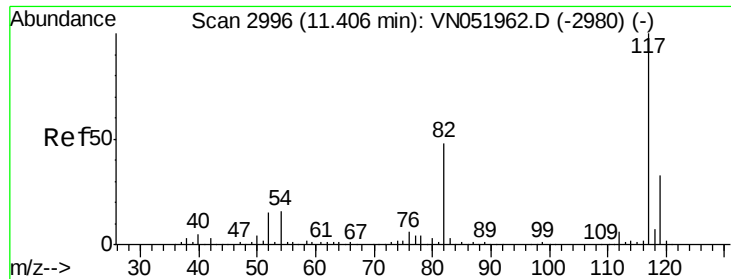
Ion Ratio Lower Upper

95 100

174 100.1 0.0 206.0

176 97.3 0.0 198.0

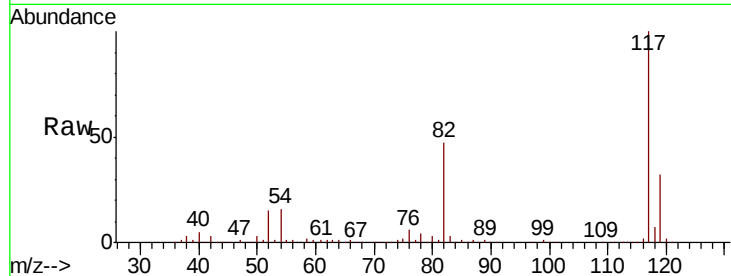




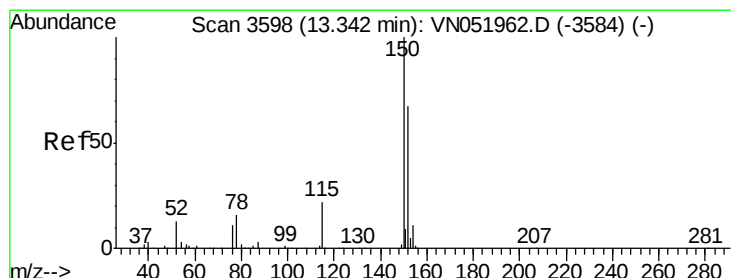
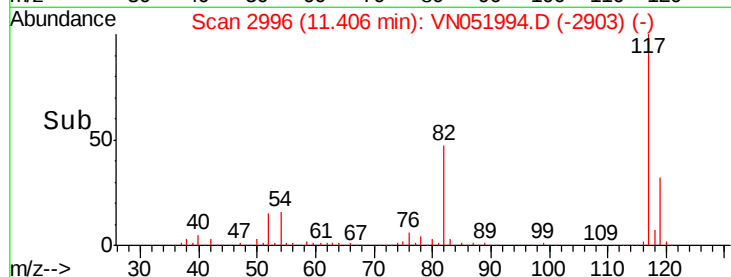
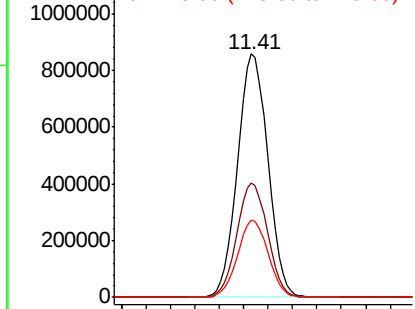
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN051994.D  
Acq: 24 Oct 2018 18:00

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114120ZHE#10

Tot Ion:117 Resp: 1474906  
Ion Ratio Lower Upper  
117 100  
82 47.1 38.1 57.1  
119 31.8 26.4 39.6

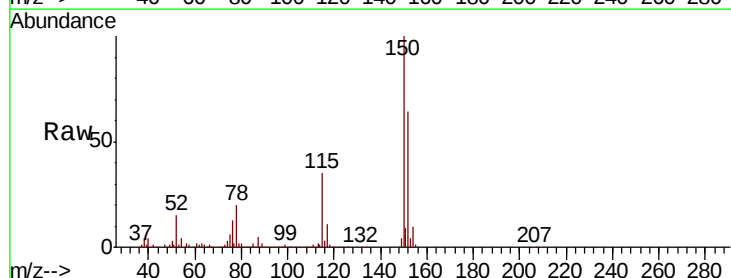


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN051994.D  
Acq: 24 Oct 2018 18:00

Tgt Ion:152 Resp: 679083  
Ion Ratio Lower Upper  
152 100  
115 54.4 25.8 77.3  
150 156.7 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

