

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
 Data File : VN052005.D  
 Acq On : 25 Oct 2018 12:14  
 Operator : MD\SY  
 Sample : PB114157ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114157ZHE#02

Quant Time: Oct 26 01:57:58 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

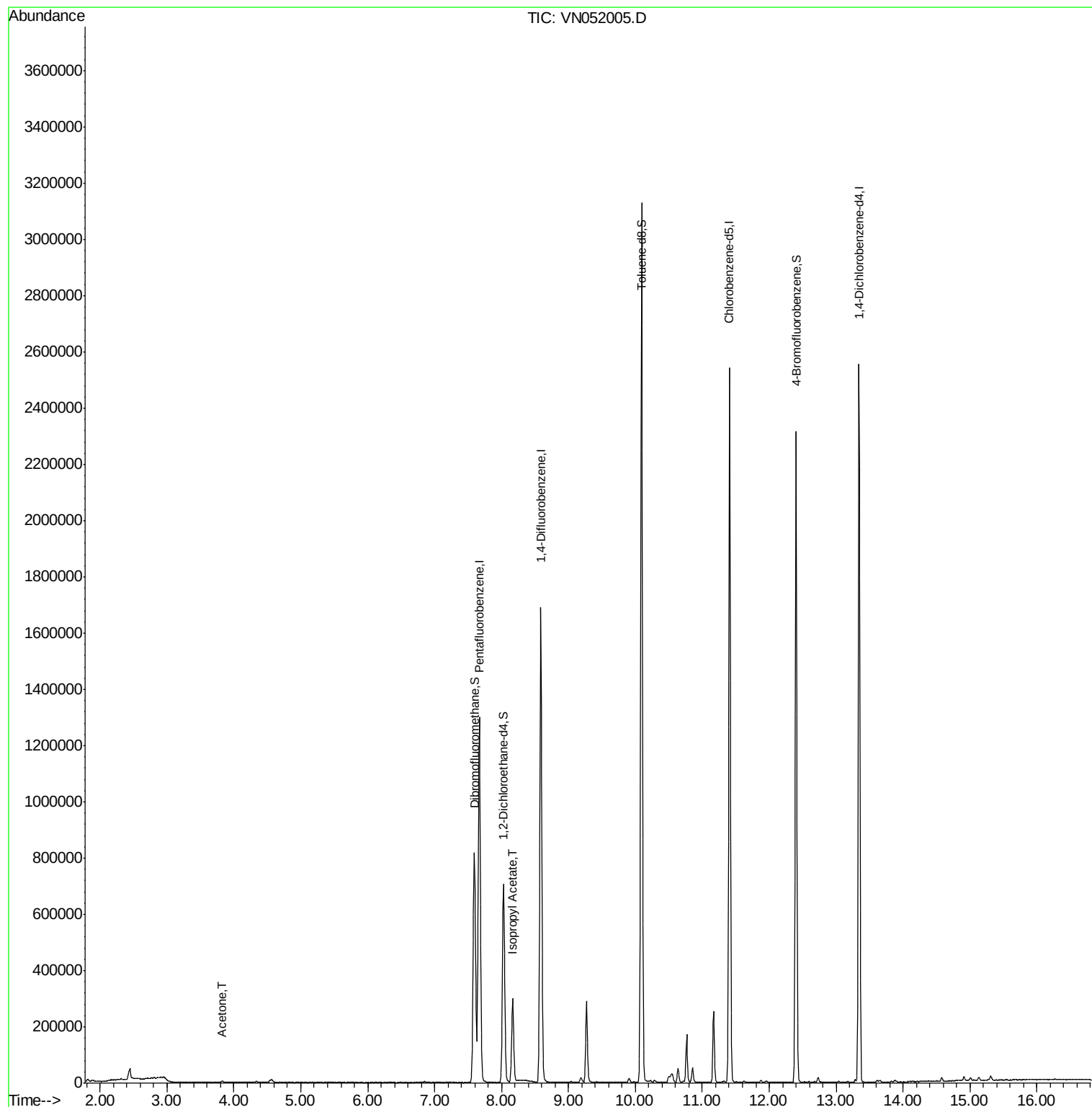
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1151945  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1671854  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1613312  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 752608   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 599659   | 58.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.90% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 621221   | 58.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.46% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2304328  | 59.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.54% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 748627   | 56.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.00% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 9025     | 5.339  | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 330407   | 30.763 | ug/l    | 99       |

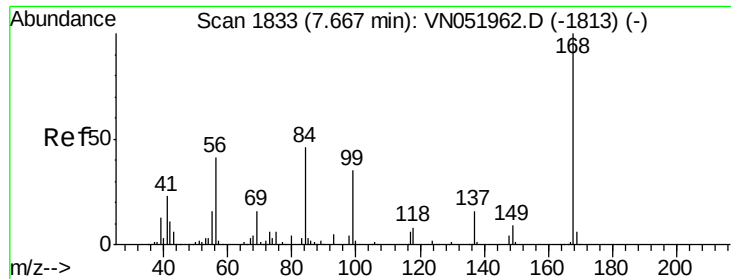
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052005.D

Acq: 25 Oct 2018 12:14

Instrument :

MSVOA\_N

ClientSampleId :

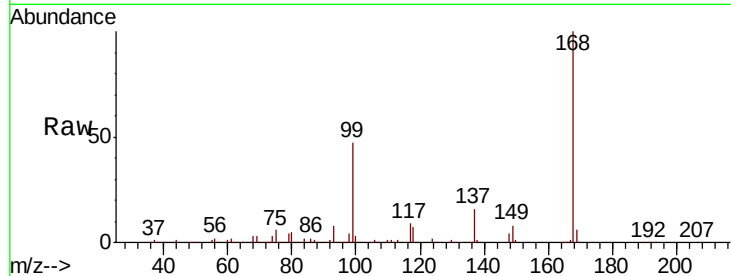
PB114157ZHE#02

Tot Ion:168 Resp: 1151945

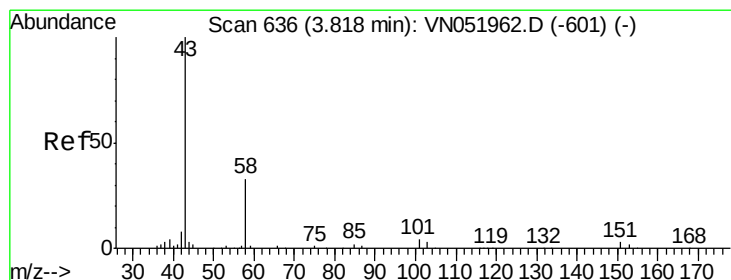
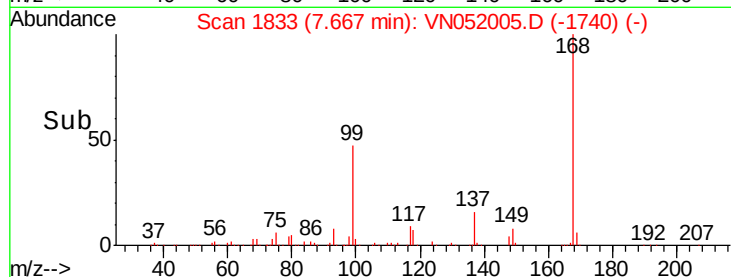
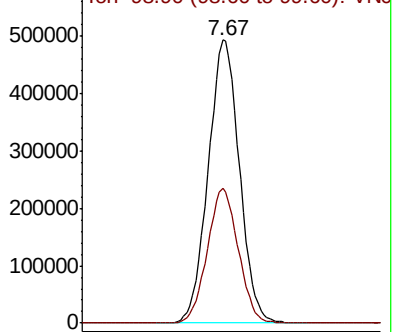
Ion Ratio Lower Upper

168 100

99 47.5 37.8 56.6



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



#16

Acetone

Concen: 5.339 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052005.D

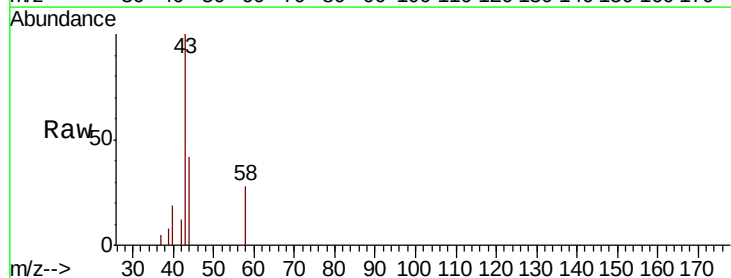
Acq: 25 Oct 2018 12:14

Tgt Ion: 43 Resp: 9025

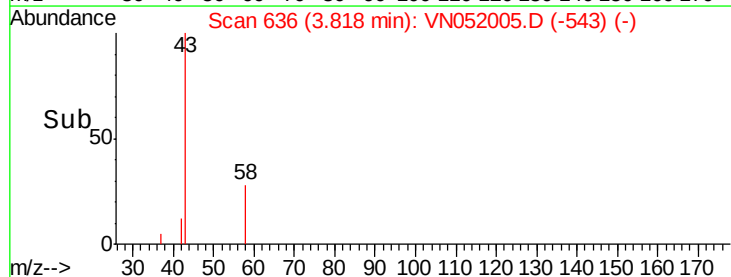
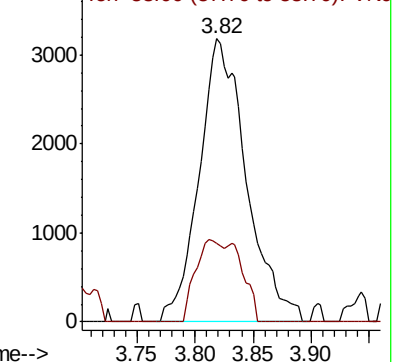
Ion Ratio Lower Upper

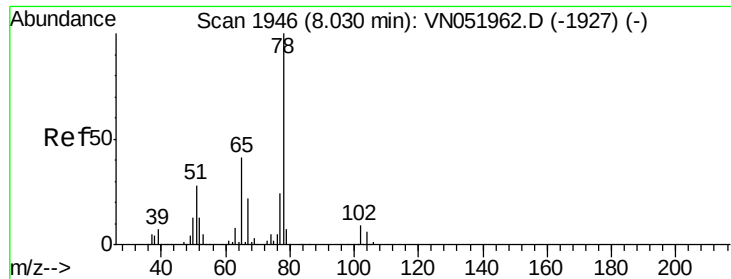
43 100

58 27.8 26.7 40.1



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

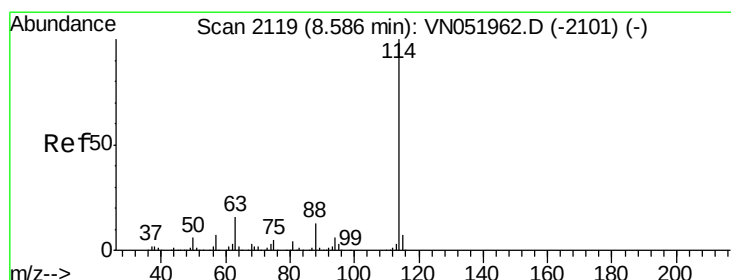
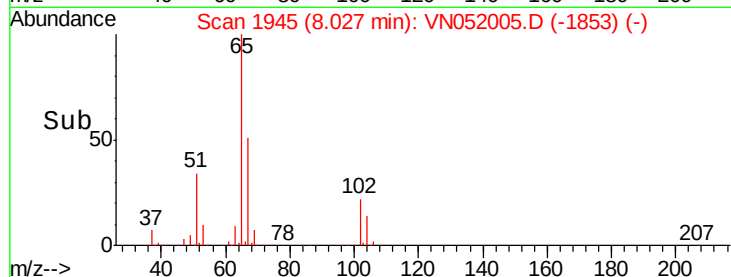
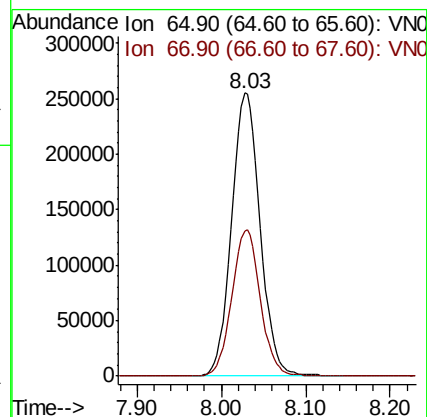
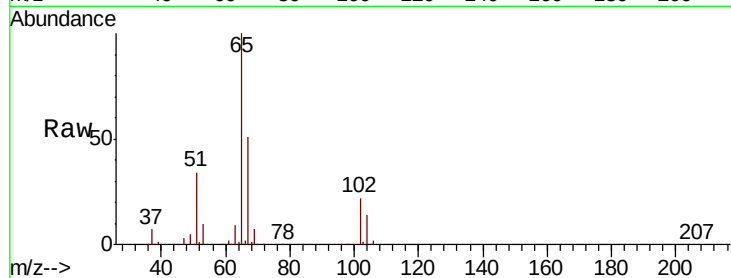




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN052005.D  
 Acq: 25 Oct 2018 12:14

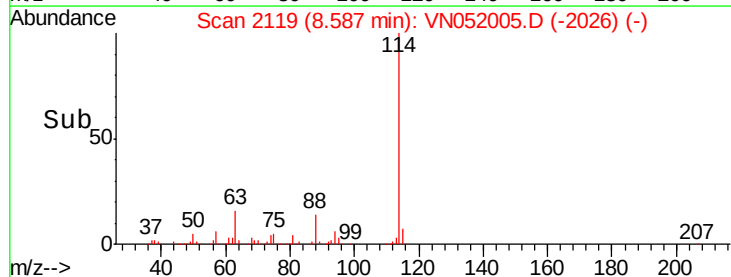
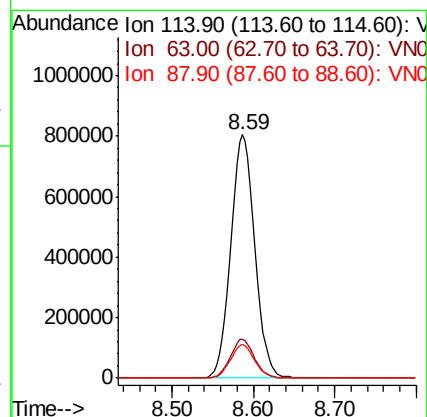
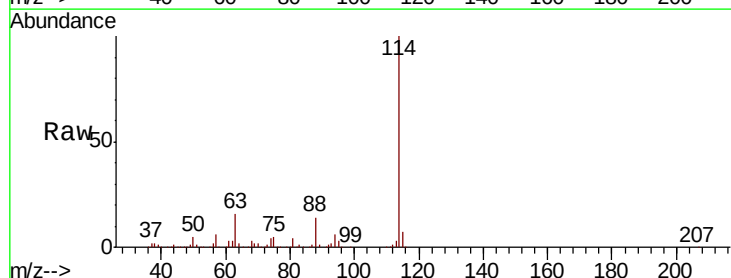
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114157ZHE#02

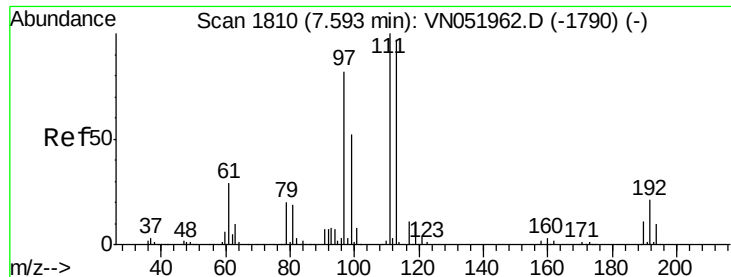
Tot Ion: 65 Resp: 599659  
 Ion Ratio Lower Upper  
 65 100  
 67 51.7 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052005.D  
 Acq: 25 Oct 2018 12:14

Tgt Ion: 114 Resp: 1671854  
 Ion Ratio Lower Upper  
 114 100  
 63 16.0 0.0 31.2  
 88 13.8 0.0 27.0

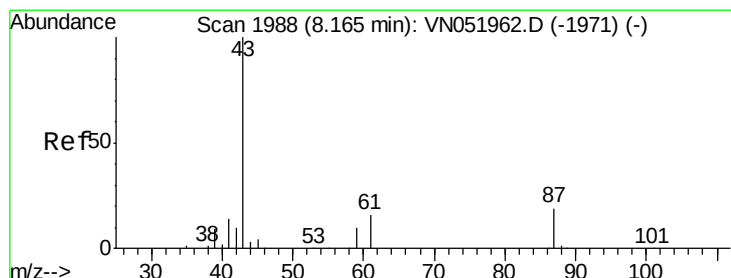
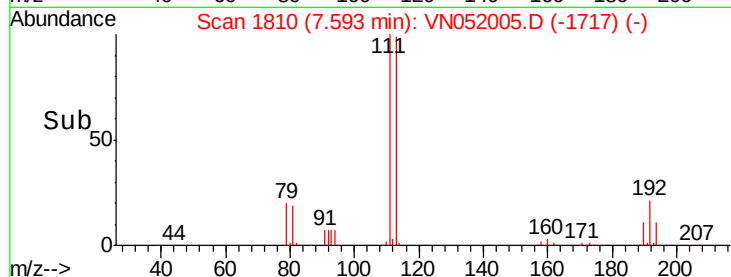
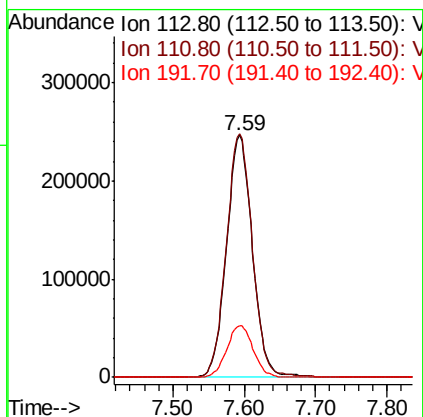
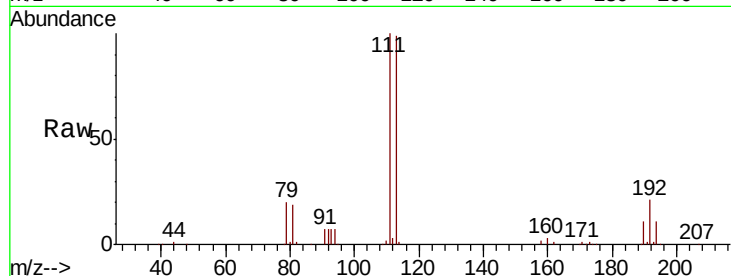




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052005.D  
 Acq: 25 Oct 2018 12:14

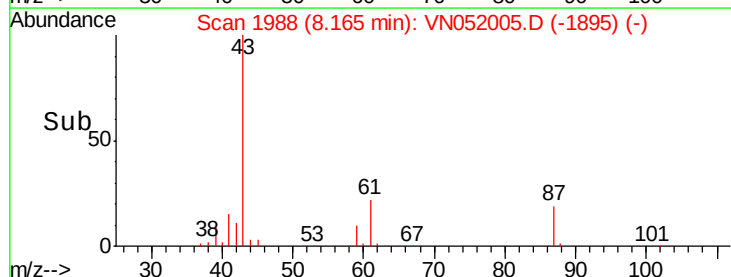
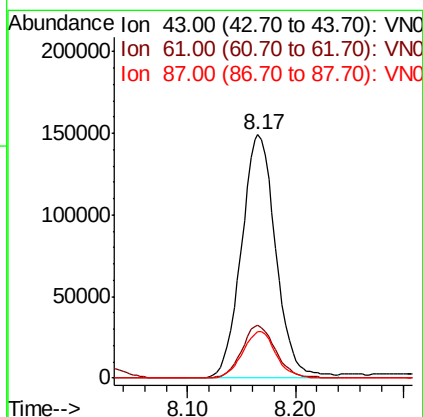
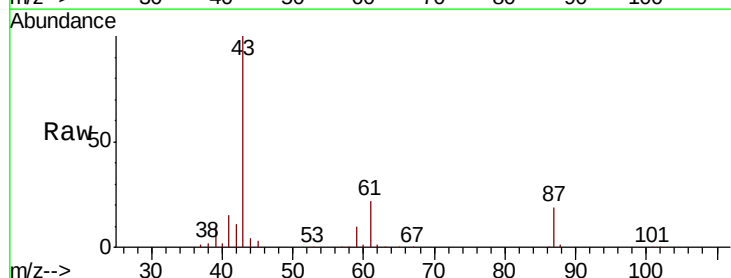
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114157ZHE#02

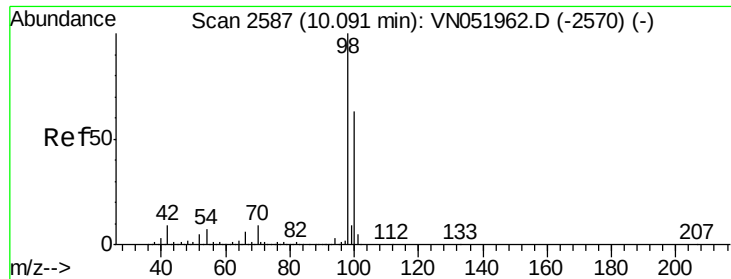
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.4 | 80.7  | 121.1 |
| 192     | 21.8  | 17.2  | 25.8  |



#43  
 Isopropyl Acetate  
 Concen: 30.763 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN052005.D  
 Acq: 25 Oct 2018 12:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.3  | 17.2  | 25.8  |
| 87      | 18.6  | 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: VN052005.D

Acq: 25 Oct 2018 12:14

Instrument :

MSVOA\_N

ClientSampleId :

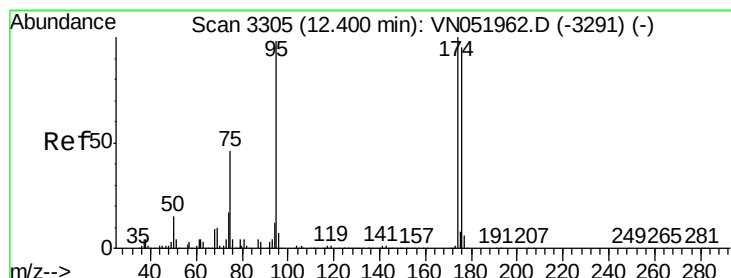
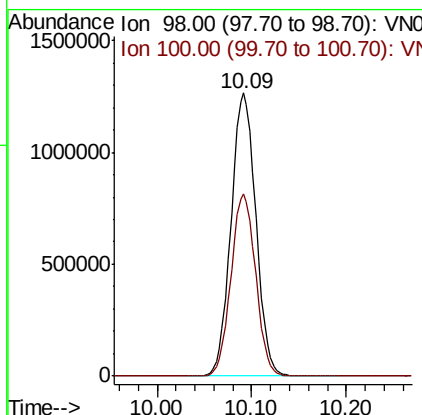
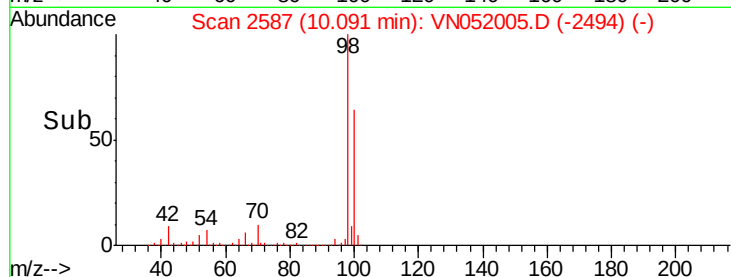
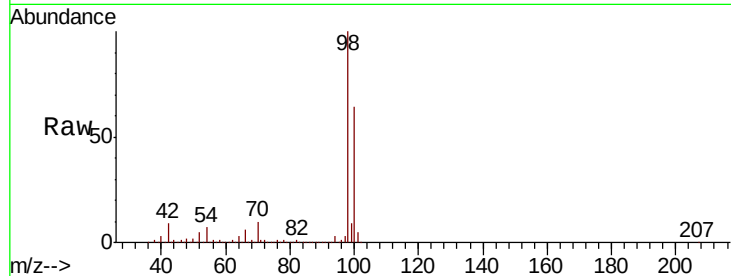
PB114157ZHE#02

Tot Ion: 98 Resp: 2304328

Ion Ratio Lower Upper

98 100

100 64.0 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: VN052005.D

Acq: 25 Oct 2018 12:14

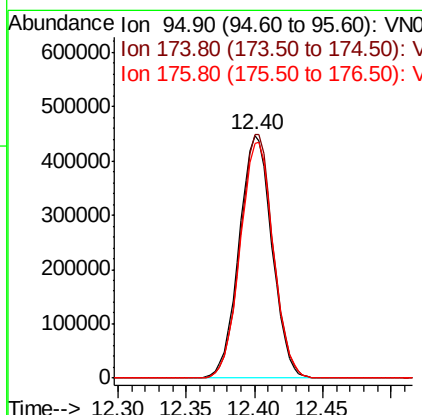
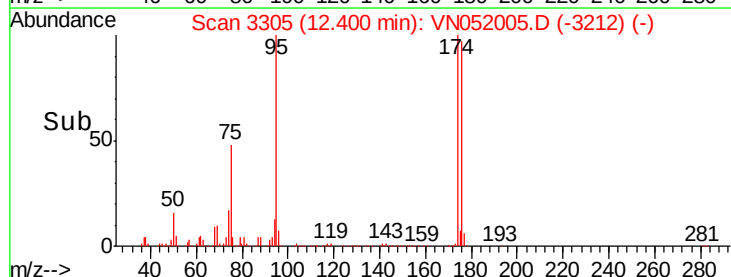
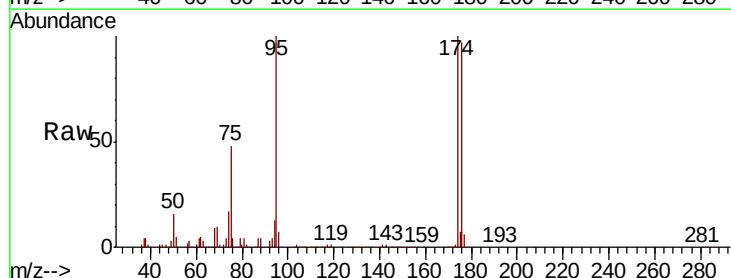
Tgt Ion: 95 Resp: 748627

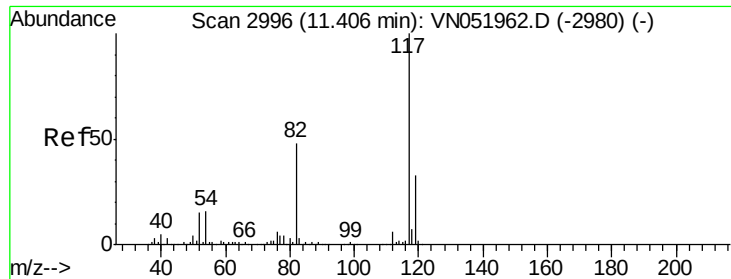
Ion Ratio Lower Upper

95 100

174 100.5 0.0 206.0

176 97.6 0.0 198.0

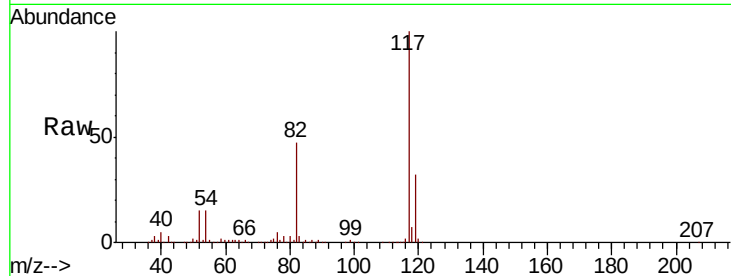




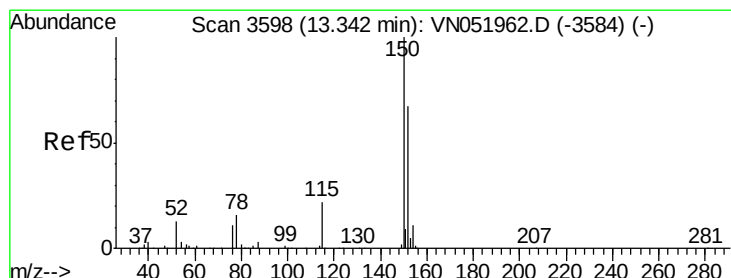
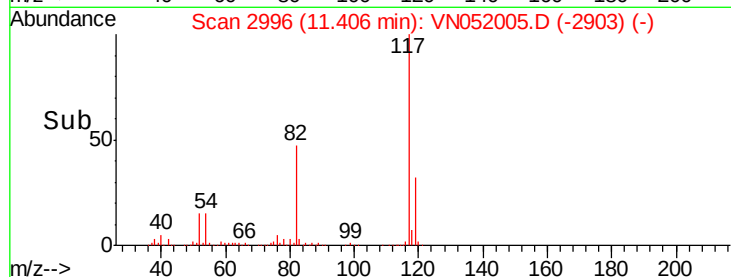
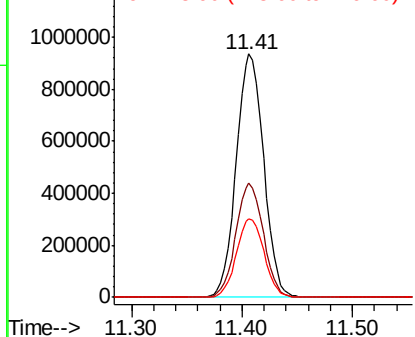
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052005.D  
Acq: 25 Oct 2018 12:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114157ZHE#02

Tot Ion:117 Resp: 1613312  
Ion Ratio Lower Upper  
117 100  
82 46.9 38.1 57.1  
119 32.5 26.4 39.6

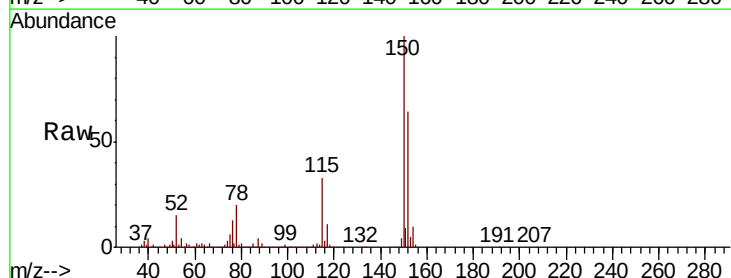


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN052005.D  
Acq: 25 Oct 2018 12:14

Tgt Ion:152 Resp: 752608  
Ion Ratio Lower Upper  
152 100  
115 52.8 25.8 77.3  
150 155.9 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

