

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN022619\  
 Data File : VN053961.D  
 Acq On : 26 Feb 2019 17:58  
 Operator : JC/SP  
 Sample : PB117375ZHE#04  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117375ZHE#04

Quant Time: Feb 27 03:13:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 05:37:40 2019  
 Response via : Initial Calibration

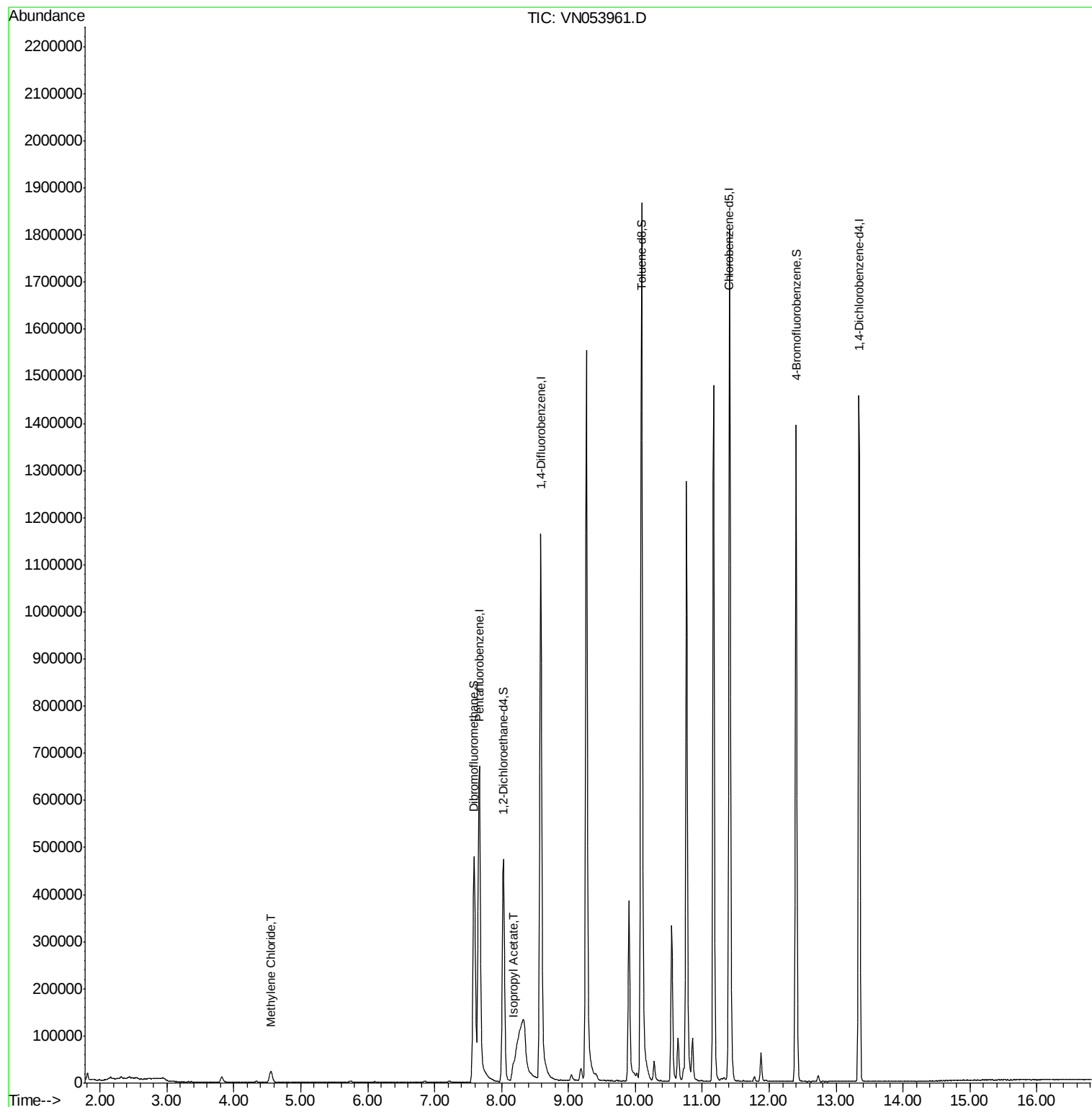
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 637815   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1160889  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1128477  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 405351   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 405965   | 54.30 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.60% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 373012   | 49.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.38%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1474250  | 52.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.52% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 481263   | 51.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.38% |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.56  | 84   | 17894    | 2.418 | ug/l #  | 91       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 41150    | 3.162 | ug/l #  | 85       |

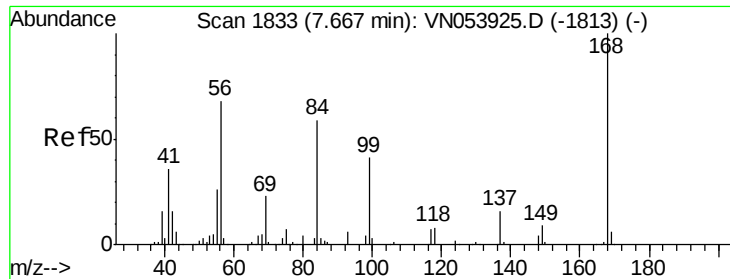
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Feb 26 05:37:40 2019  
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: VN053961.D

Acq: 26 Feb 2019 17:58

Instrument :

MSVOA\_N

ClientSampleId :

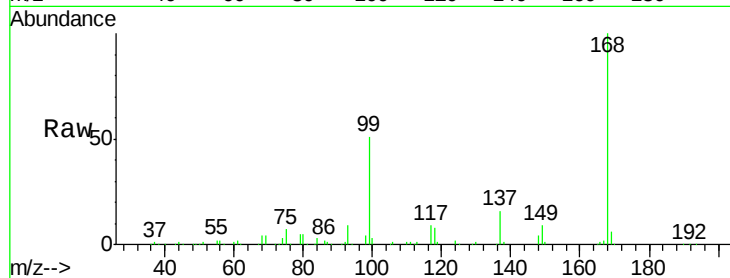
PB117375ZHE#04

Tgt Ion: 168 Resp: 637815

Ion Ratio Lower Upper

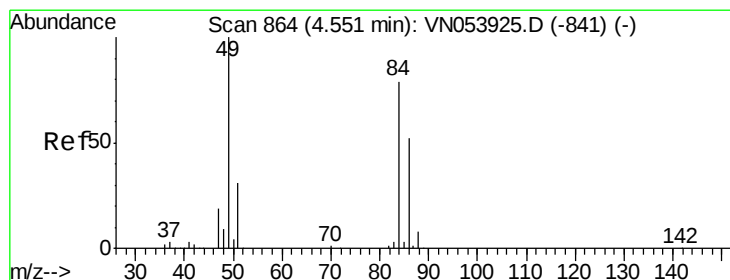
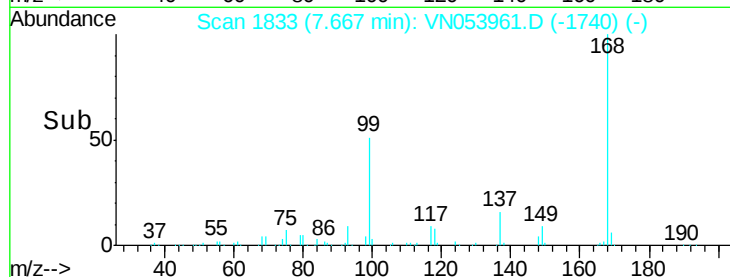
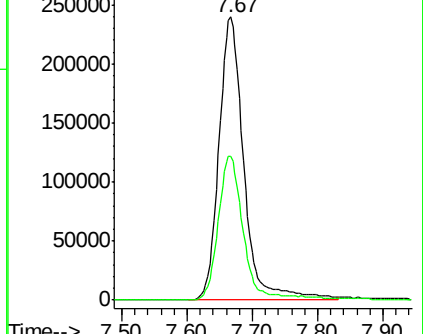
168 100

99 50.9 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 2.418 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN053961.D

Acq: 26 Feb 2019 17:58

Tgt Ion: 84 Resp: 17894

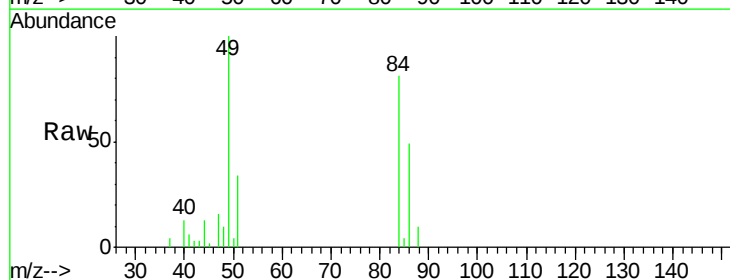
Ion Ratio Lower Upper

84 100

49 123.4 89.7 134.5

51 42.0 27.8 41.8#

86 60.2 51.3 76.9

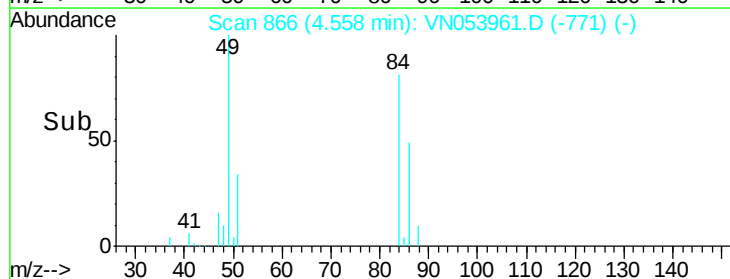
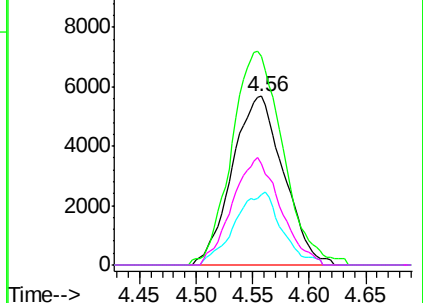


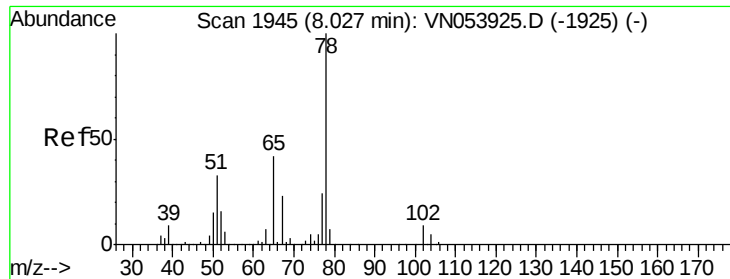
Abundance Ion 83.90 (83.60 to 84.60): VNO

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

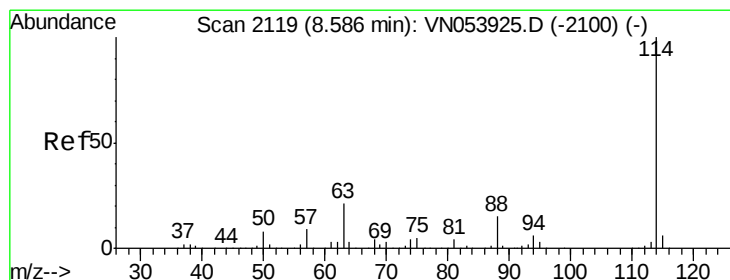
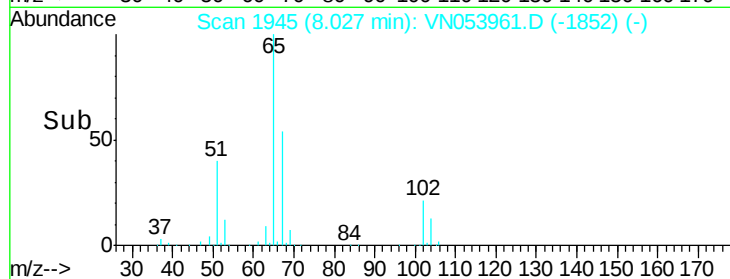
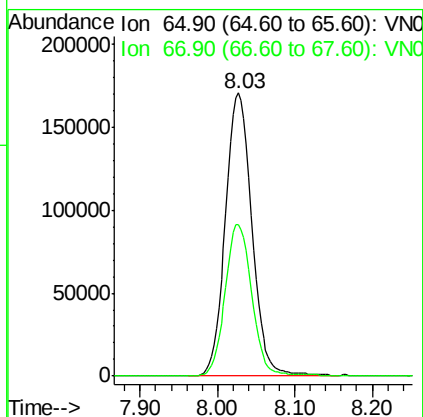
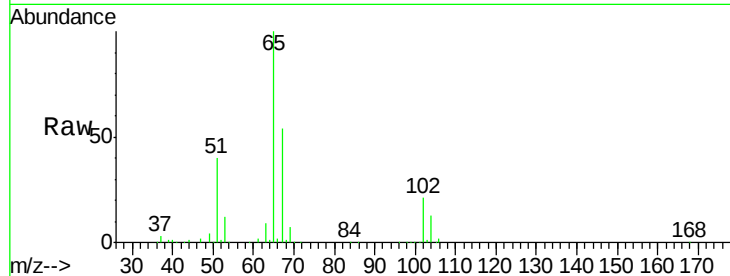




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.298 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053961.D  
 Acq: 26 Feb 2019 17:58

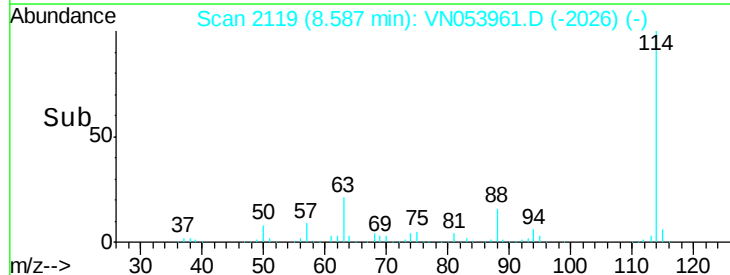
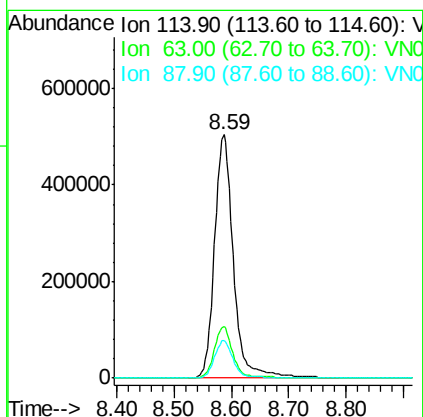
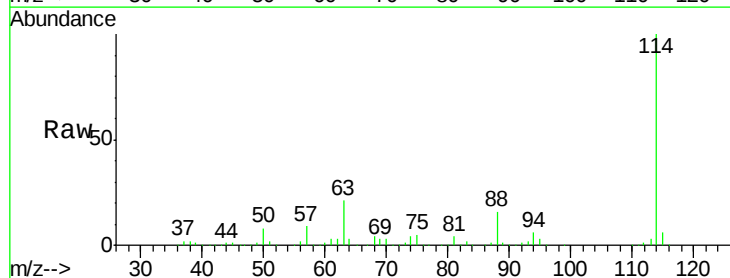
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117375ZHE#04

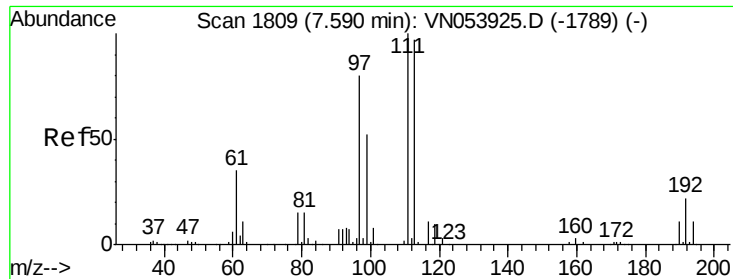
Tgt Ion: 65 Resp: 405965  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 111.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053961.D  
 Acq: 26 Feb 2019 17:58

Tgt Ion: 114 Resp: 1160889  
 Ion Ratio Lower Upper  
 114 100  
 63 21.3 0.0 37.4  
 88 15.7 0.0 30.4

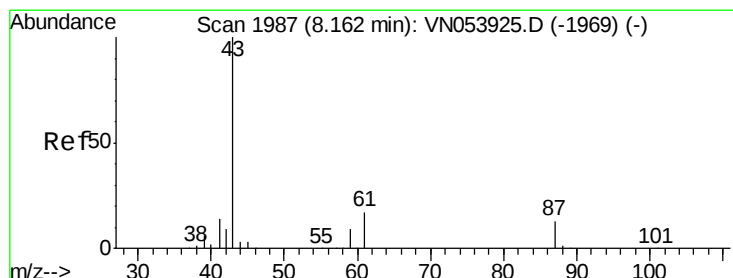
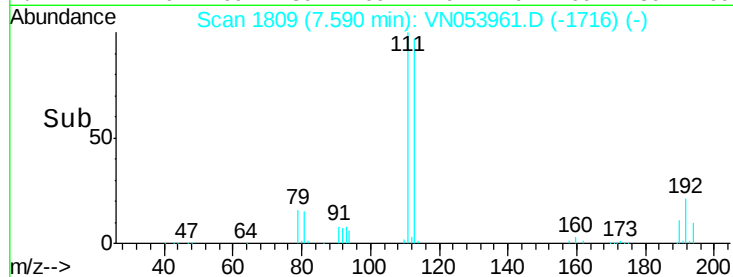
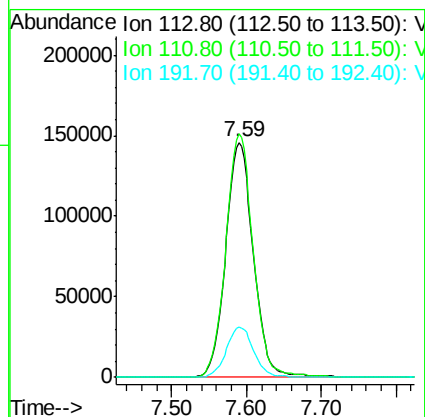
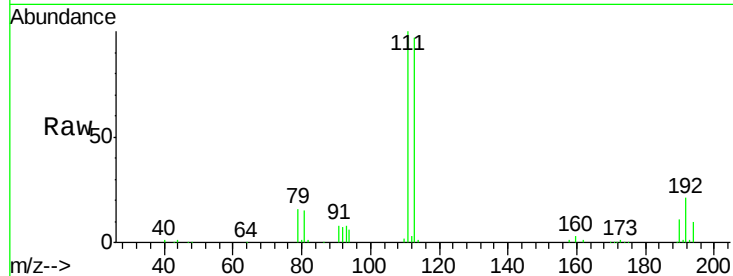




#35  
 Dibromofluoromethane  
 Concen: 49.689 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053961.D  
 Acq: 26 Feb 2019 17:58

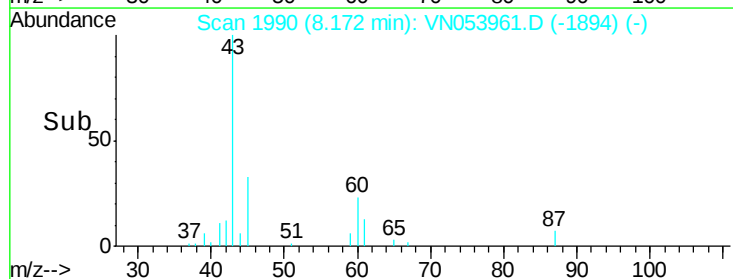
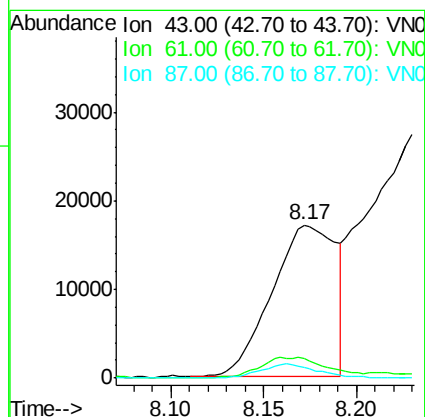
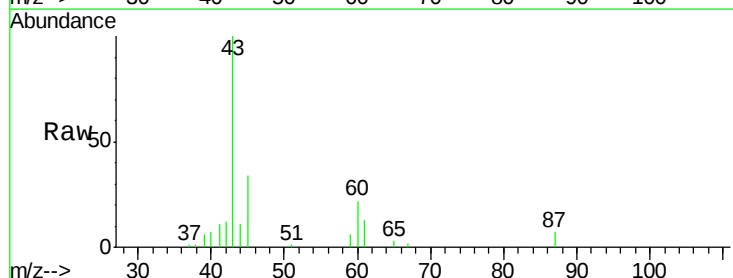
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB117375ZHE#04

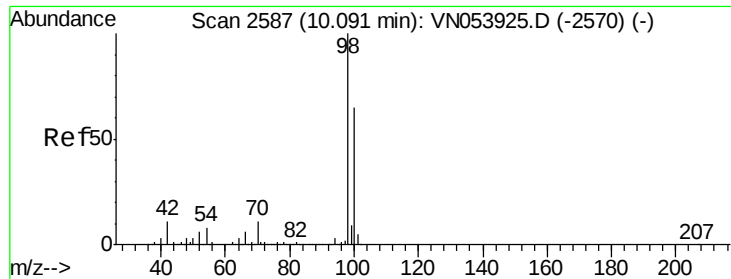
Tgt Ion: 113 Resp: 373012  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 81.1 121.7  
 192 21.1 18.8 28.2



#43  
 Isopropyl Acetate  
 Concen: 3.162 ug/l  
 RT: 8.17 min Scan# 1990  
 Delta R.T. 0.01 min  
 Lab File: VN053961.D  
 Acq: 26 Feb 2019 17:58

Tgt Ion: 43 Resp: 41150  
 Ion Ratio Lower Upper  
 43 100  
 61 14.4 17.4 26.0#  
 87 8.1 11.5 17.3#





#50

Toluene-d8

Concen: 52.755 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053961.D

Acq: 26 Feb 2019 17:58

Instrument :

MSVOA\_N

ClientSampleId :

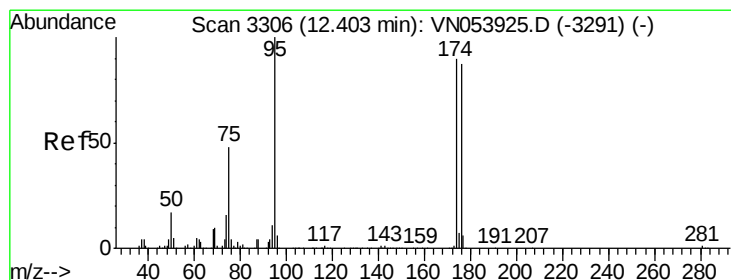
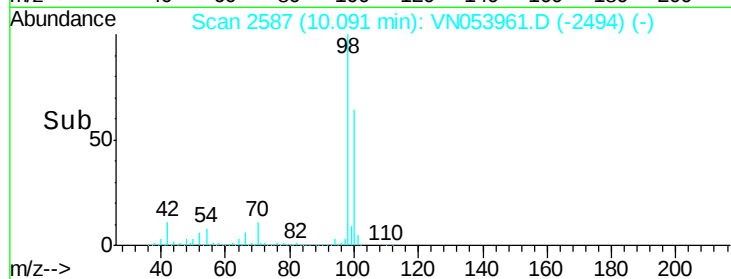
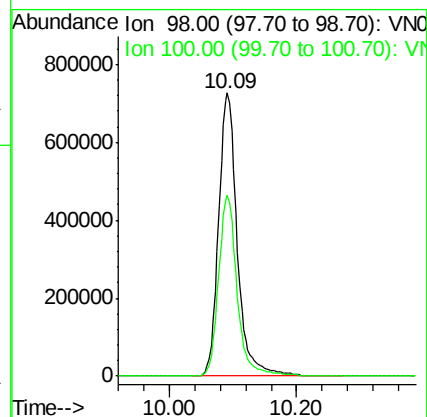
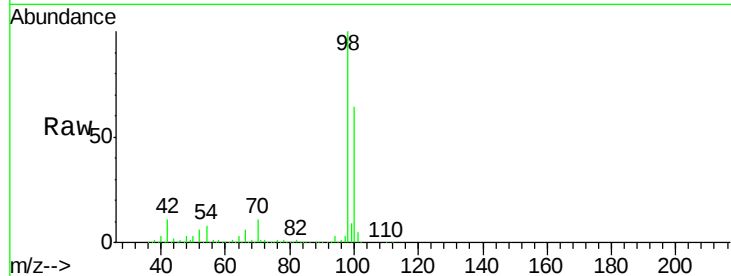
PB117375ZHE#04

Tgt Ion: 98 Resp: 1474250

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 51.690 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053961.D

Acq: 26 Feb 2019 17:58

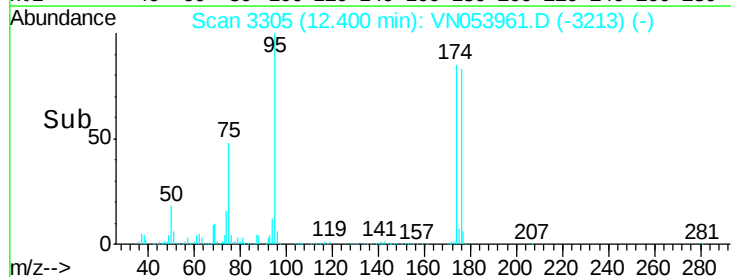
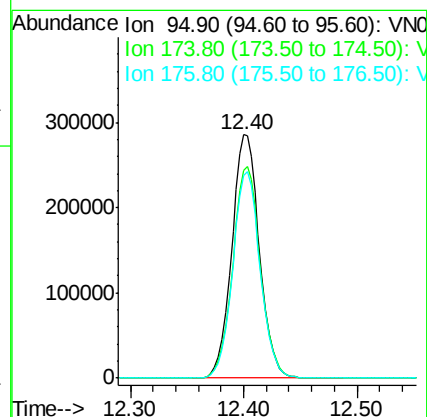
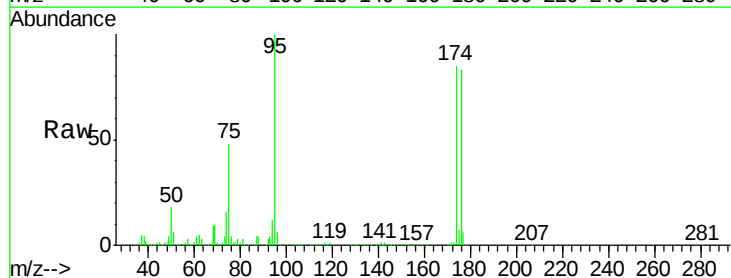
Tgt Ion: 95 Resp: 481263

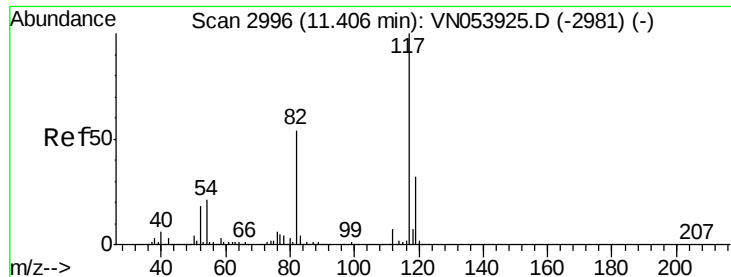
Ion Ratio Lower Upper

95 100

174 87.3 0.0 188.8

176 84.4 0.0 182.6

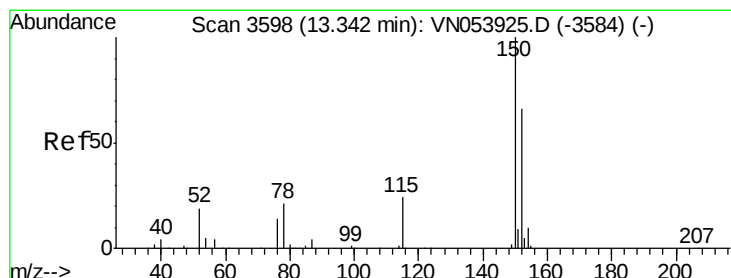
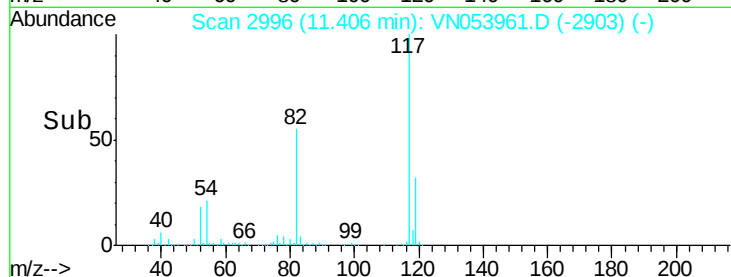
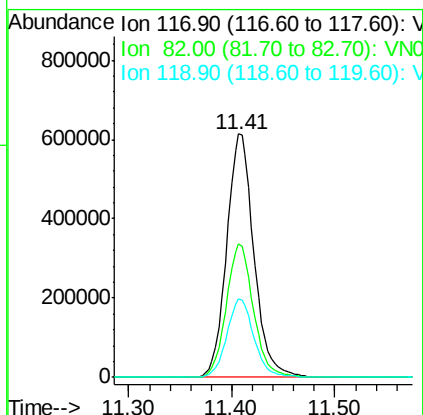
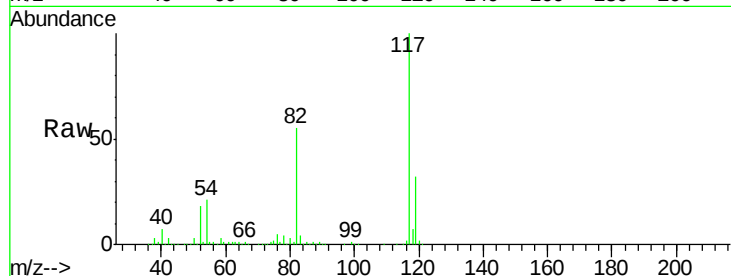




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053961.D  
Acq: 26 Feb 2019 17:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB117375ZHE#04

Tgt Ion:117 Resp: 1128477  
Ion Ratio Lower Upper  
117 100  
82 55.0 41.4 62.2  
119 32.2 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN053961.D  
Acq: 26 Feb 2019 17:58

Tgt Ion:152 Resp: 405351  
Ion Ratio Lower Upper  
152 100  
115 56.7 27.2 81.6  
150 155.4 0.0 348.2

