

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112619\  
 Data File : VN059405.D  
 Acq On : 26 Nov 2019 14:46  
 Operator : JC/SP  
 Sample : PB125050TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB125050TB

Quant Time: Nov 27 02:24:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

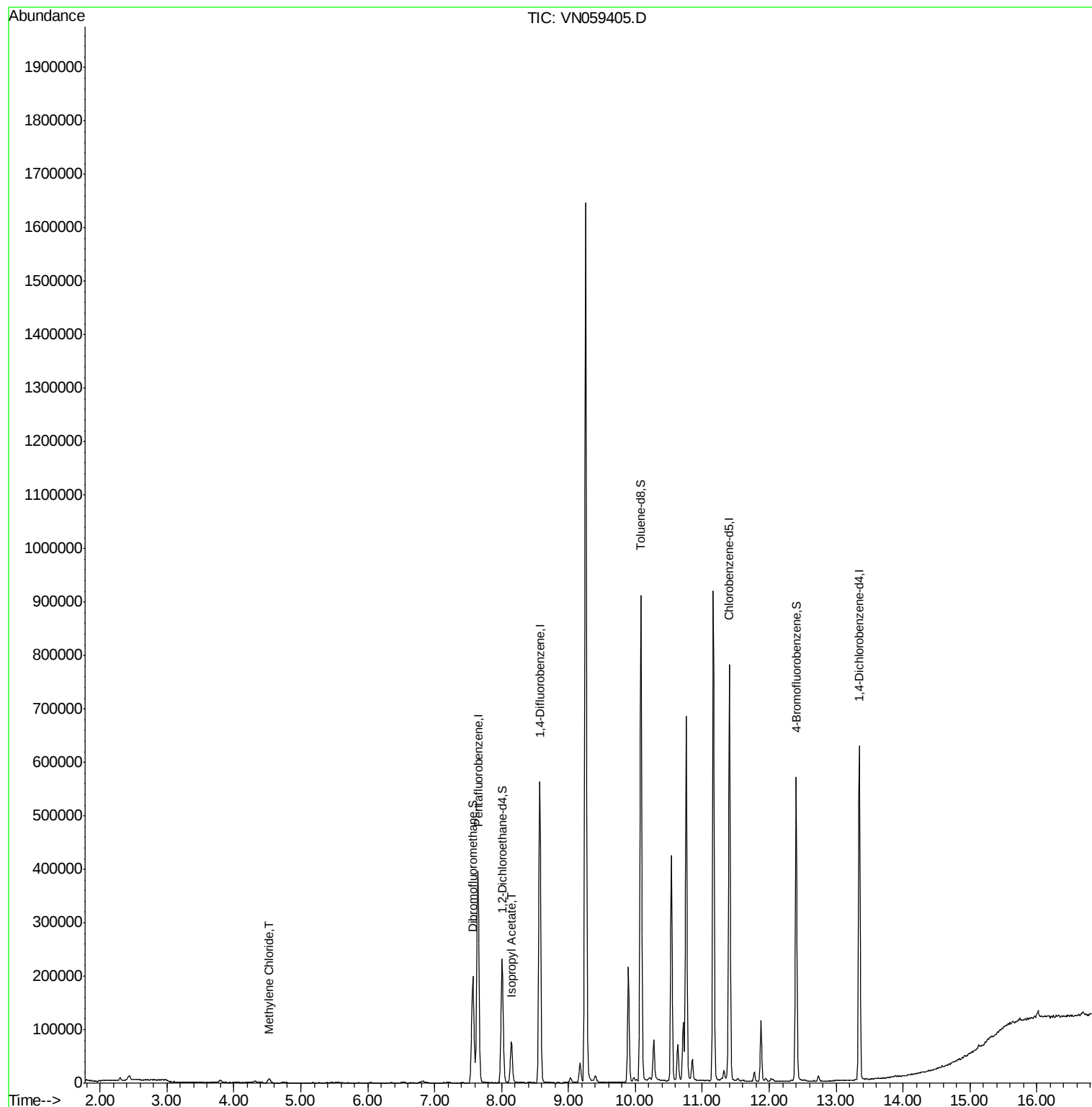
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.65  | 168  | 336895   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 519584   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 463603   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 175236   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.01  | 65   | 195834   | 48.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.90%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 156792   | 50.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.60% |          |
| 50) Toluene-d8              | 10.08 | 98   | 635889   | 51.31  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.62% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 206207   | 47.59  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.18%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.52  | 84   | 6149     | 1.504  | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.15  | 43   | 91092    | 10.340 | ug/l #  | 91       |

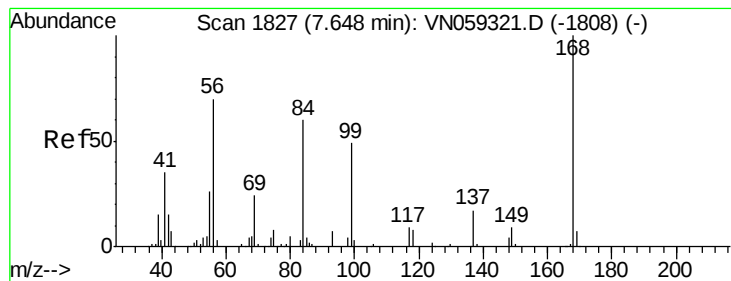
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
PB125050TB

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Quant Title : SW846 8260  
QLast Update : Thu Nov 21 08:44:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN059405.D

Acq: 26 Nov 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

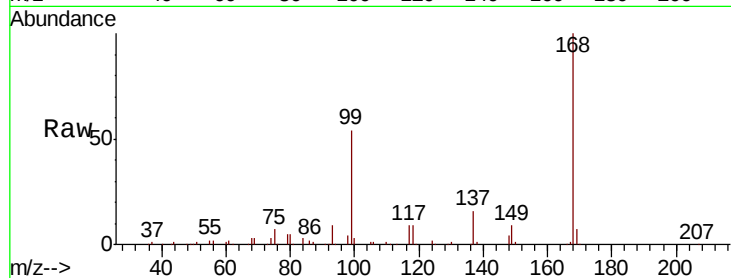
PB125050TB

Tot Ion:168 Resp: 336895

Ion Ratio Lower Upper

168 100

99 53.8 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

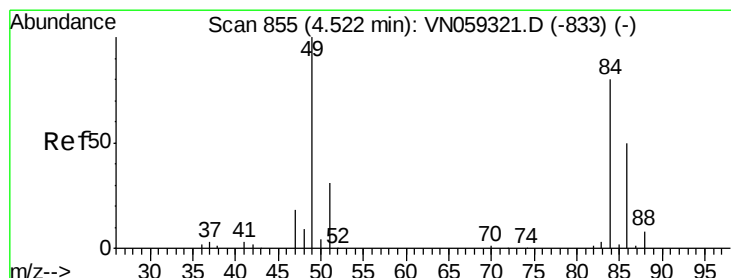
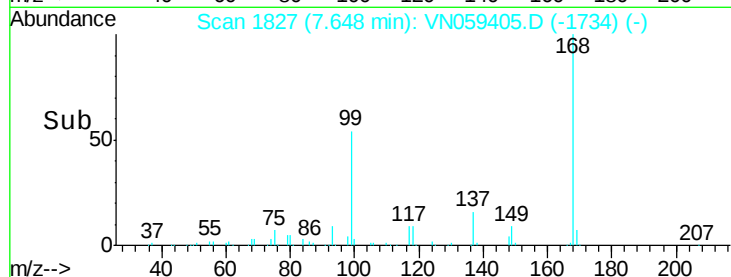
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: 1.504 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059405.D

Acq: 26 Nov 2019 14:46

Tgt Ion: 84 Resp: 6149

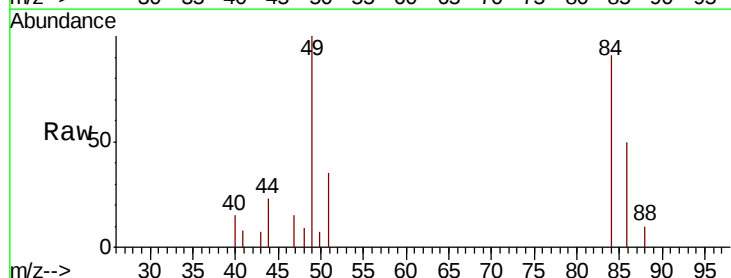
Ion Ratio Lower Upper

84 100

49 110.3 99.5 149.3

51 38.3 31.1 46.7

86 54.8 49.9 74.9



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

4.52

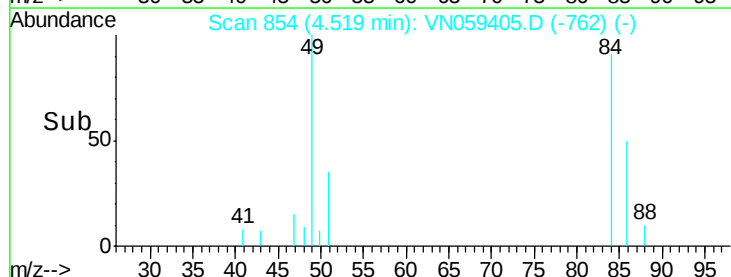
3000

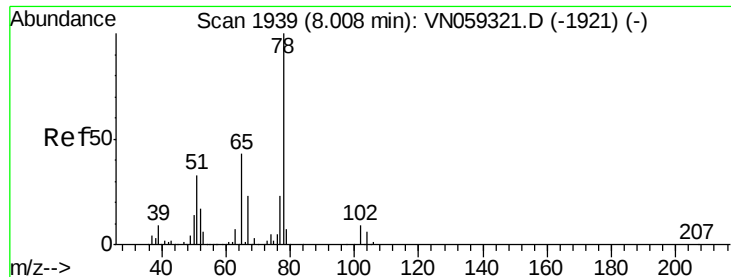
2000

1000

0

Time--> 4.45 4.50 4.55 4.60

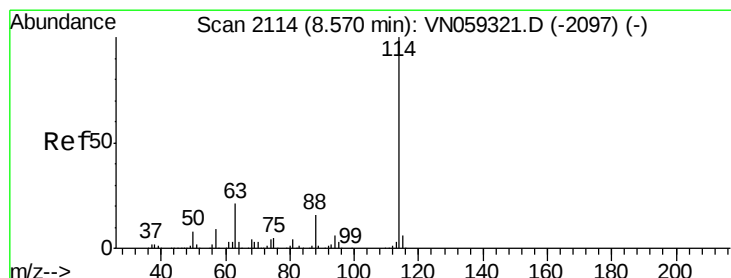
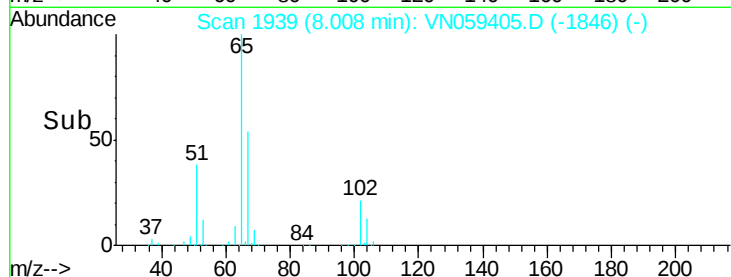
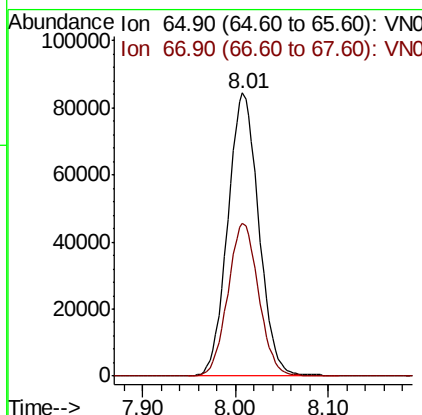
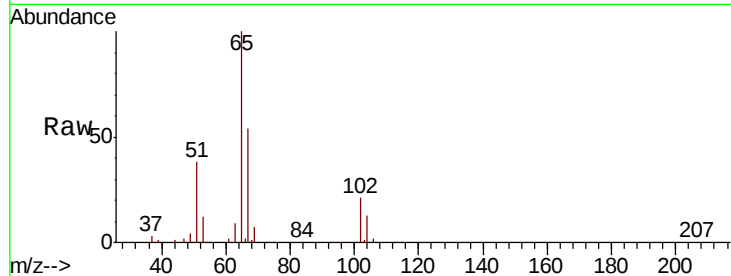




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.447 ug/l  
 RT: 8.01 min Scan# 1939  
 Delta R.T. -0.00 min  
 Lab File: VN059405.D  
 Acq: 26 Nov 2019 14:46

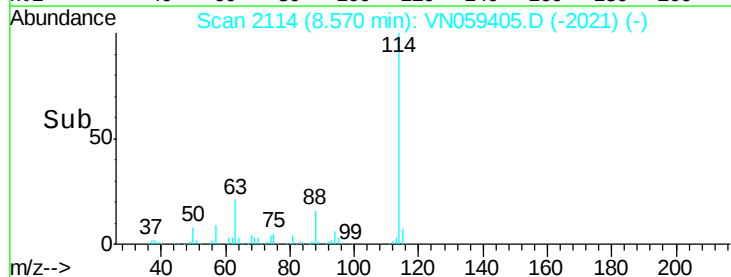
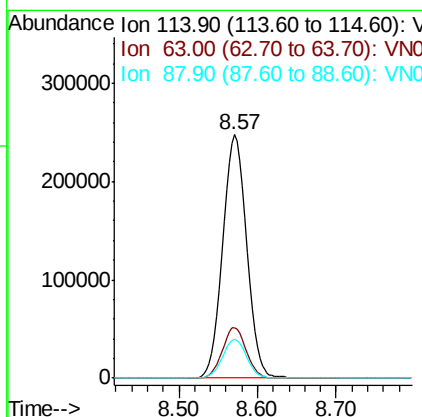
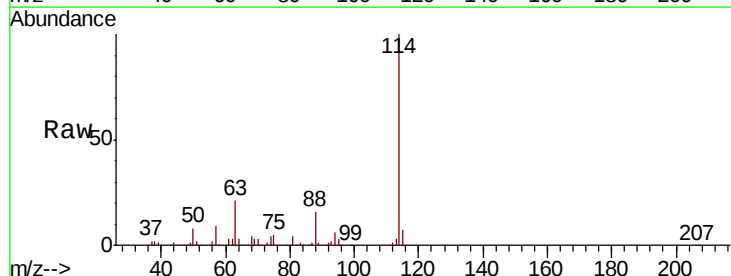
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB125050TB

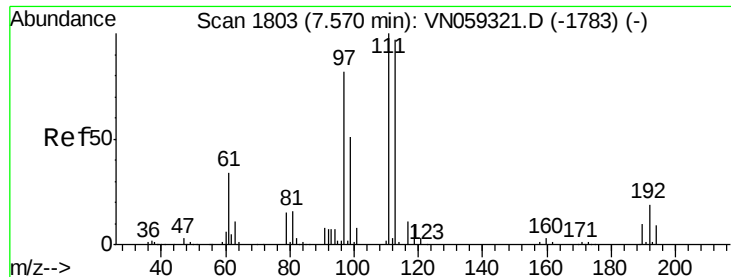
Tot Ion: 65 Resp: 195834  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 109.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2114  
 Delta R.T. -0.00 min  
 Lab File: VN059405.D  
 Acq: 26 Nov 2019 14:46

Tgt Ion: 114 Resp: 519584  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 42.2  
 88 15.9 0.0 32.2

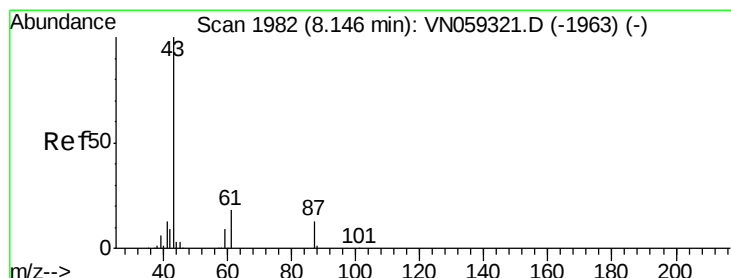
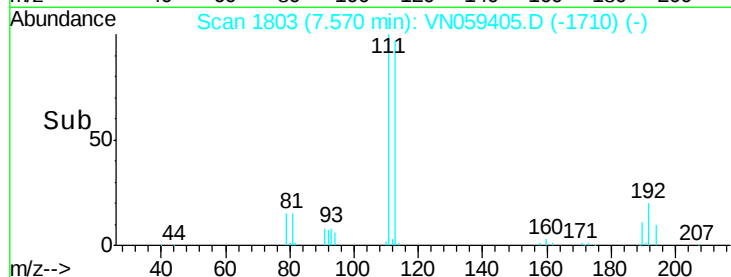
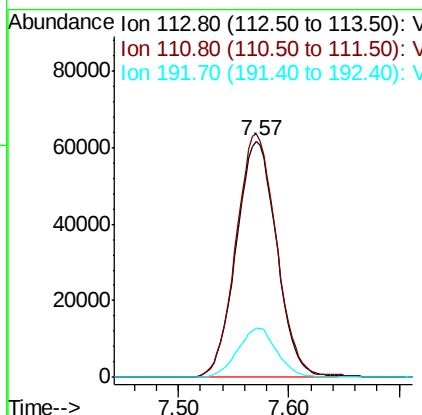
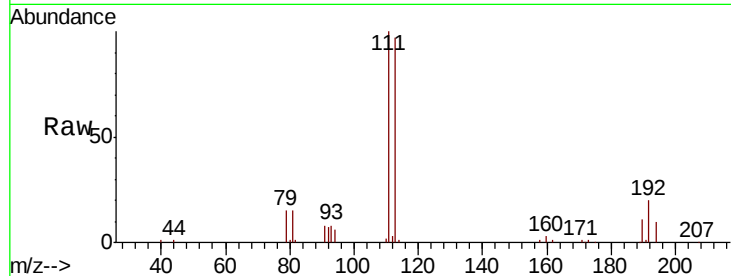




#35  
 Dibromofluoromethane  
 Concen: 50.299 ug/l  
 RT: 7.57 min Scan# 1803  
 Delta R.T. -0.00 min  
 Lab File: VN059405.D  
 Acq: 26 Nov 2019 14:46

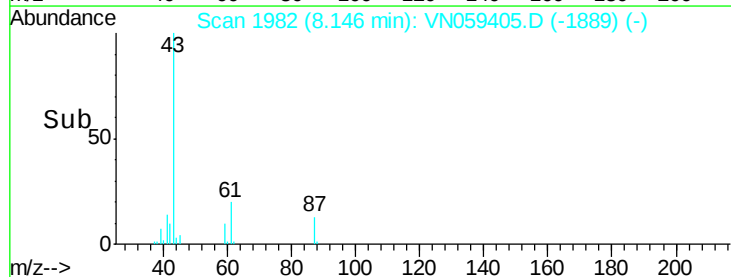
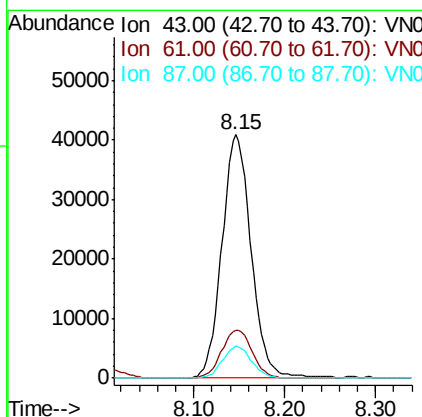
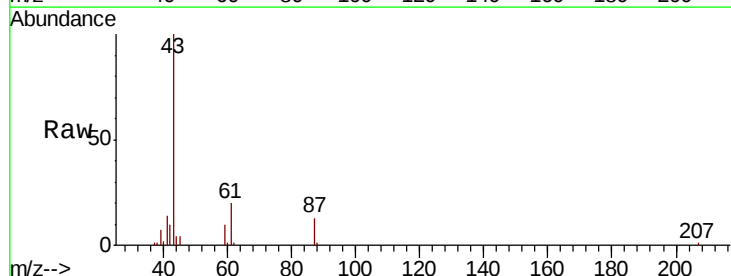
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB125050TB

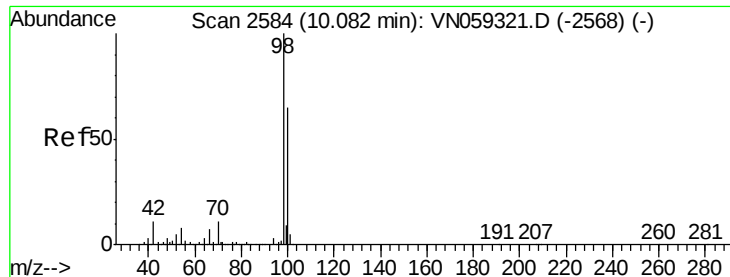
Tot Ion:113 Resp: 156792  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 82.7 124.1  
 192 20.2 16.3 24.5



#43  
 Isopropyl Acetate  
 Concen: 10.340 ug/l  
 RT: 8.15 min Scan# 1982  
 Delta R.T. -0.00 min  
 Lab File: VN059405.D  
 Acq: 26 Nov 2019 14:46

Tgt Ion: 43 Resp: 91092  
 Ion Ratio Lower Upper  
 43 100  
 61 20.5 21.7 32.5#  
 87 12.9 10.2 15.4





#50

Toluene-d8

Concen: 51.313 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059405.D

Acq: 26 Nov 2019 14:46

Instrument :

MSVOA\_N

ClientSampleId :

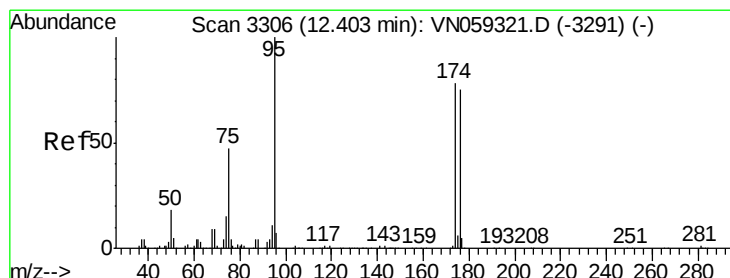
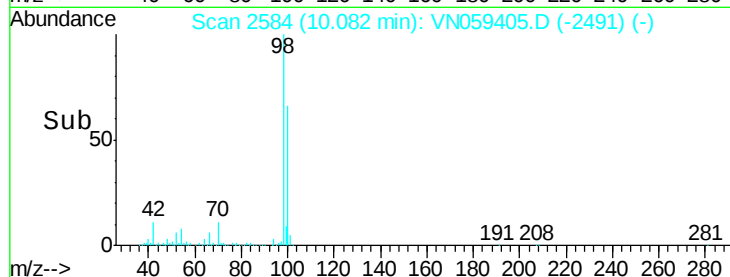
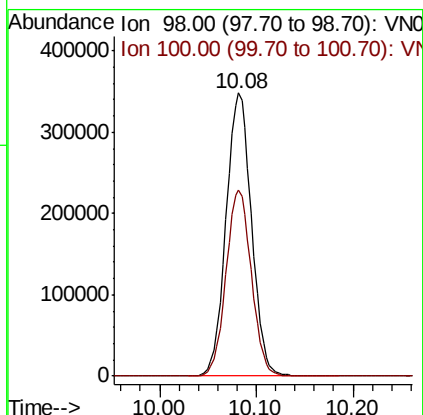
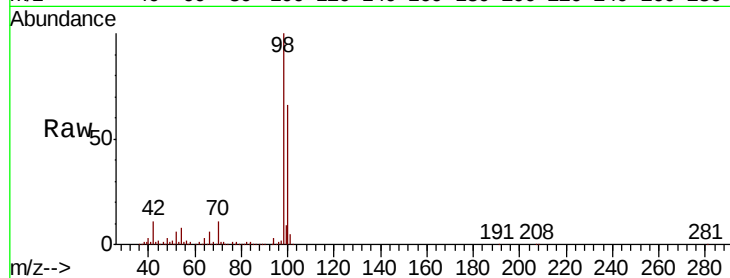
PB125050TB

Tot Ion: 98 Resp: 635889

Ion Ratio Lower Upper

98 100

100 65.4 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 47.590 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN059405.D

Acq: 26 Nov 2019 14:46

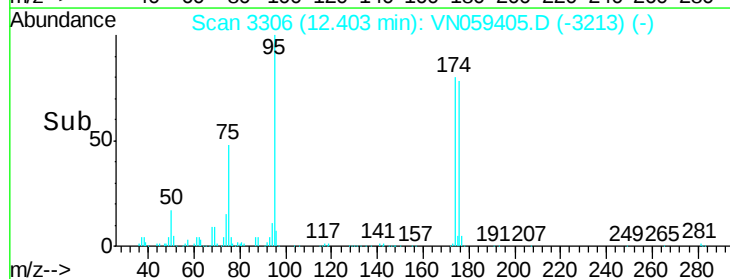
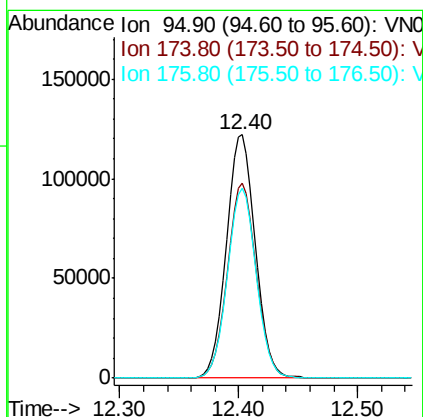
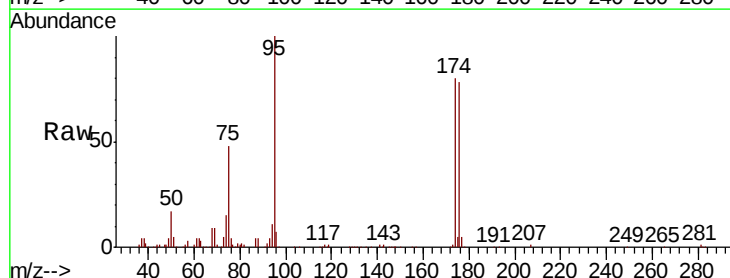
Tgt Ion: 95 Resp: 206207

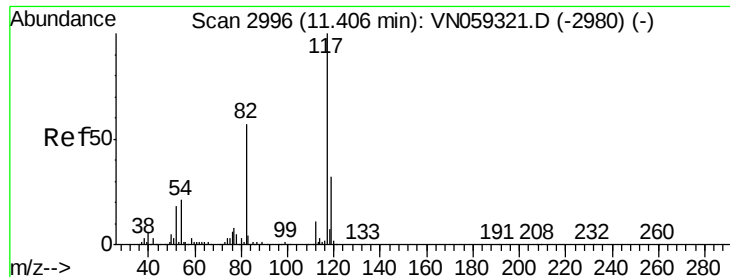
Ion Ratio Lower Upper

95 100

174 79.7 0.0 157.4

176 77.4 0.0 151.2

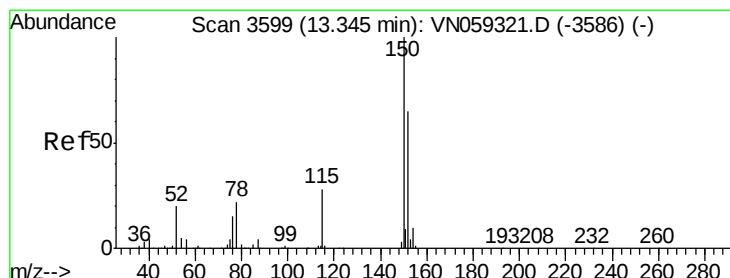
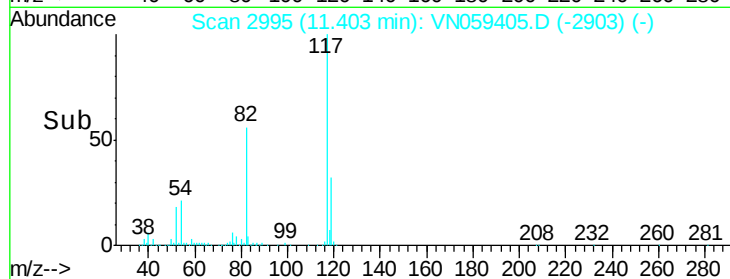
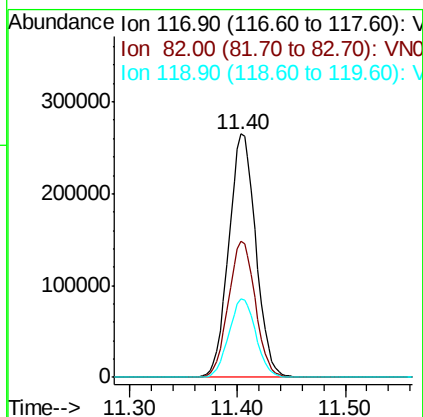
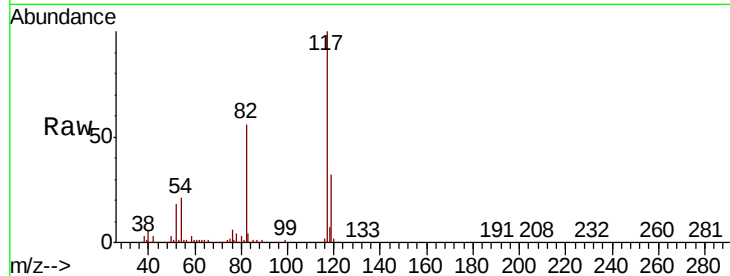




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2995  
Delta R.T. -0.00 min  
Lab File: VN059405.D  
Acq: 26 Nov 2019 14:46

Instrument :  
MSVOA\_N  
ClientSampled :  
PB125050TB

Tot Ion:117 Resp: 463603  
Ion Ratio Lower Upper  
117 100  
82 56.1 45.7 68.5  
119 32.2 25.8 38.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. -0.00 min  
Lab File: VN059405.D  
Acq: 26 Nov 2019 14:46

Tgt Ion:152 Resp: 175236  
Ion Ratio Lower Upper  
152 100  
115 59.3 29.3 88.0  
150 158.1 0.0 346.0

