

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\  
 Data File : VN059700.D  
 Acq On : 14 Jan 2020 12:03  
 Operator : JC/MD  
 Sample : PB126072TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126072TB

Quant Time: Jan 14 22:55:37 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 14 08:58:21 2020  
 Response via : Initial Calibration

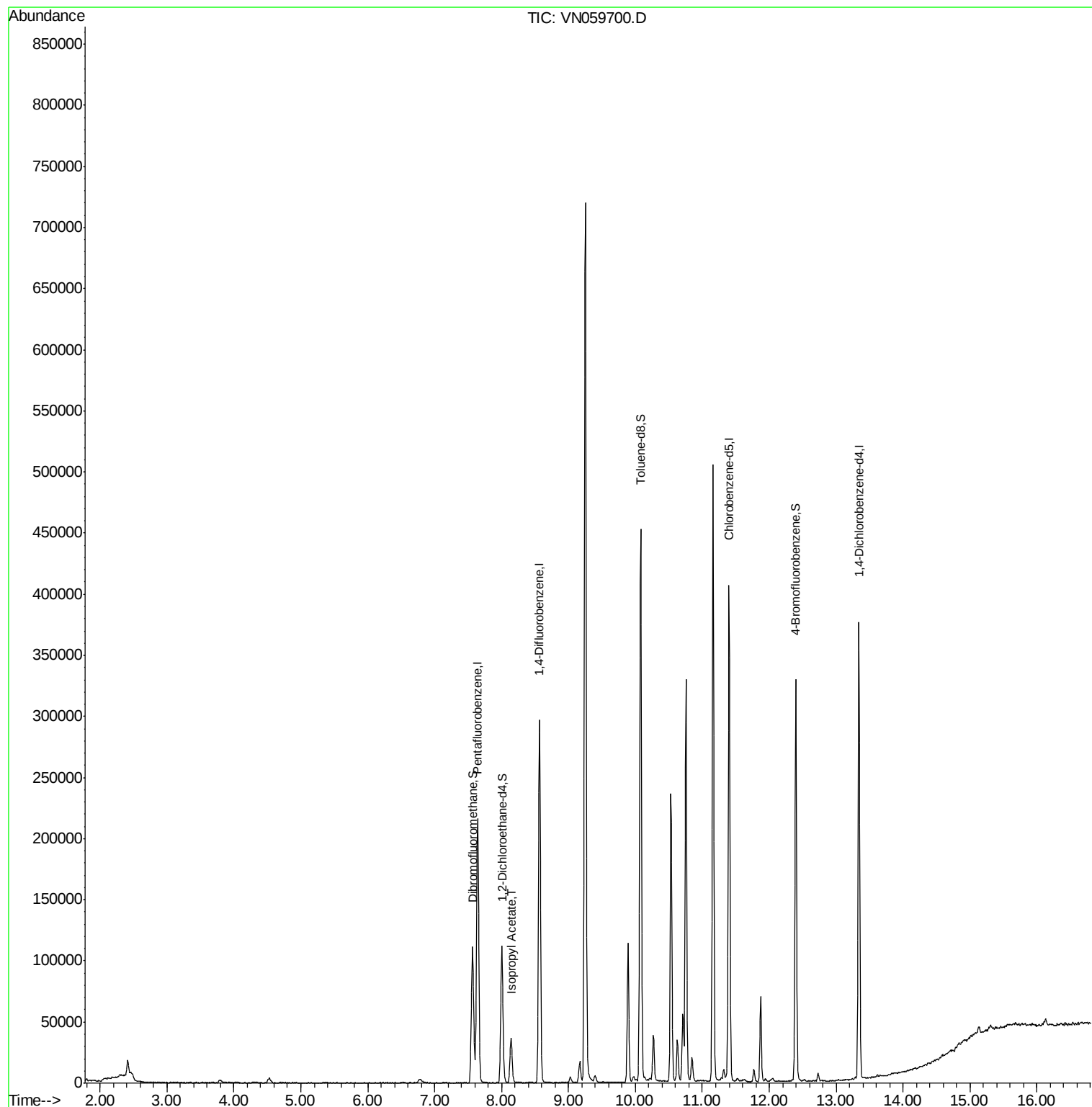
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|---------|-----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 187243   | 50.00  | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 278367   | 50.00  | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 237243   | 50.00  | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 103578   | 50.00  | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |        |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 96963    | 46.63  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.26%  |           |
| 35) Dibromofluoromethane    | 7.57  | 113  | 85450    | 51.48  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.96% |           |
| 50) Toluene-d8              | 10.08 | 98   | 312647   | 48.61  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.22%  |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 109764   | 47.34  | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.68%  |           |
| Target Compounds            |       |      |          |        |         |           |
| 43) Isopropyl Acetate       | 8.14  | 43   | 43940    | 11.236 | ug/l #  | Qvalue 91 |

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

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Quant Title : SW846 8260  
QLast Update : Tue Jan 14 08:58:21 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059700.D

Acq: 14 Jan 2020 12:03

Instrument :

MSVOA\_N

ClientSampleId :

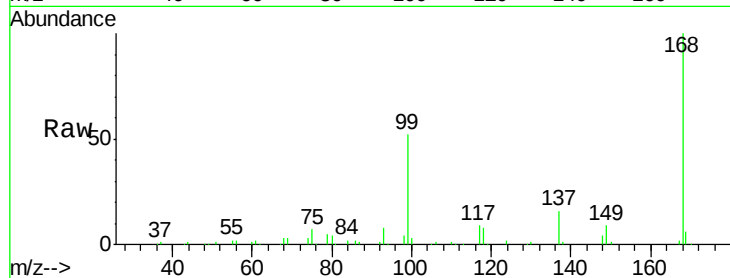
PB126072TB

Tot Ion:168 Resp: 187243

Ion Ratio Lower Upper

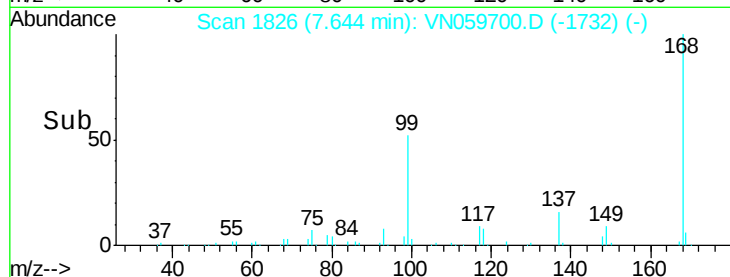
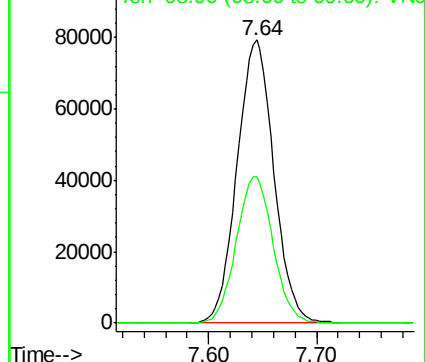
168 100

99 51.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 46.631 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059700.D

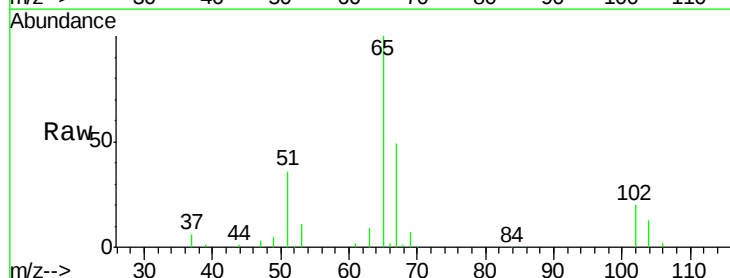
Acq: 14 Jan 2020 12:03

Tgt Ion: 65 Resp: 96963

Ion Ratio Lower Upper

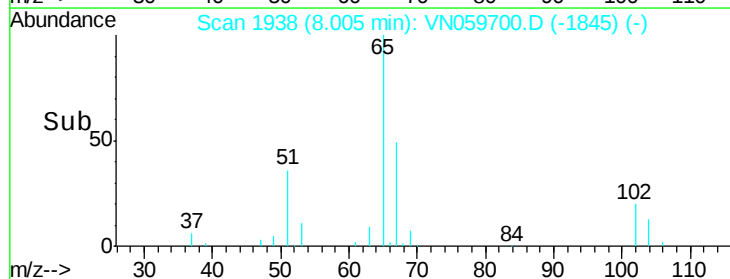
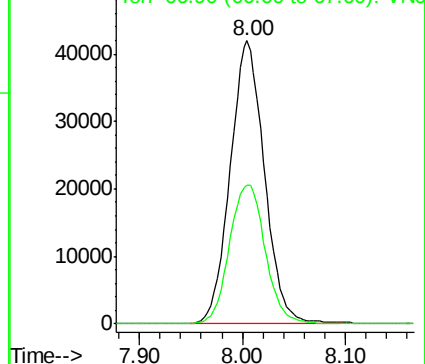
65 100

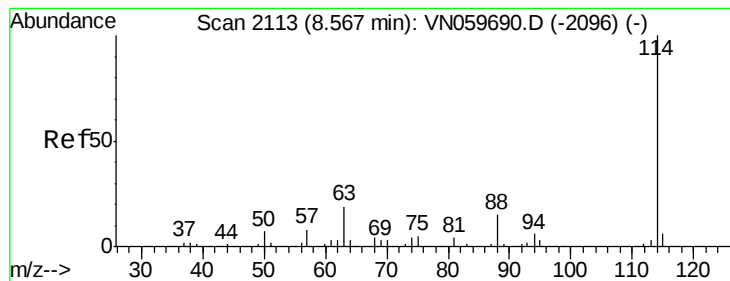
67 51.4 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059700.D

Acq: 14 Jan 2020 12:03

Instrument :

MSVOA\_N

ClientSampleId :

PB126072TB

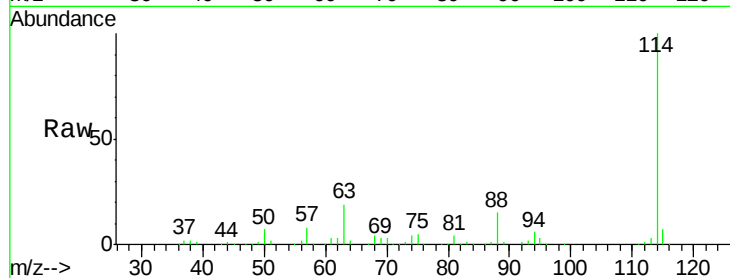
Tot Ion:114 Resp: 278367

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.6

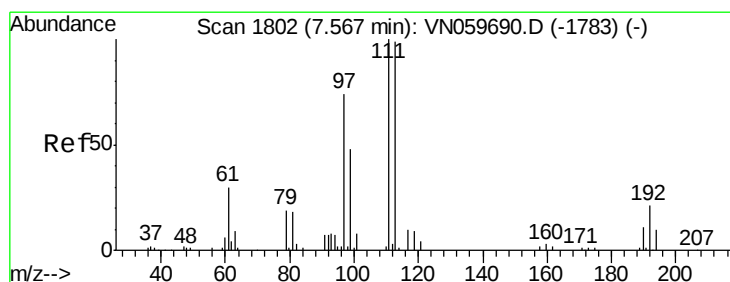
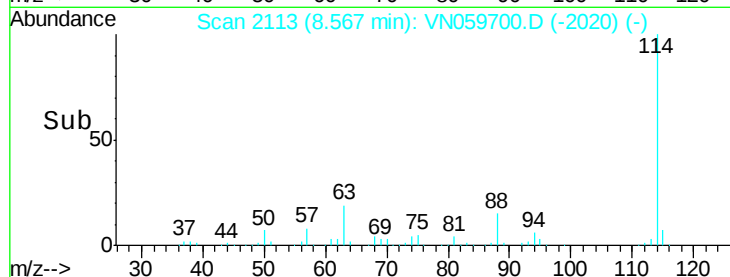
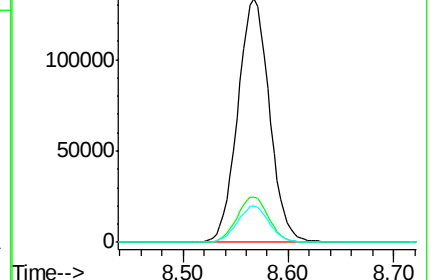
88 15.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.475 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059700.D

Acq: 14 Jan 2020 12:03

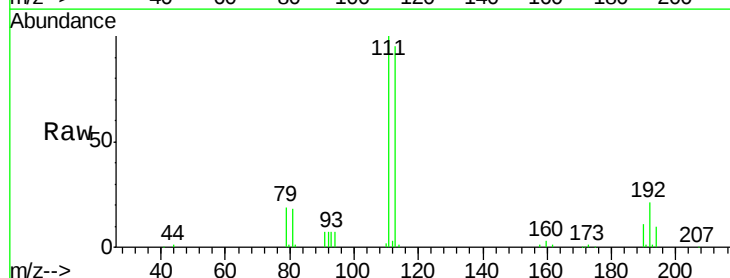
Tgt Ion:113 Resp: 85450

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

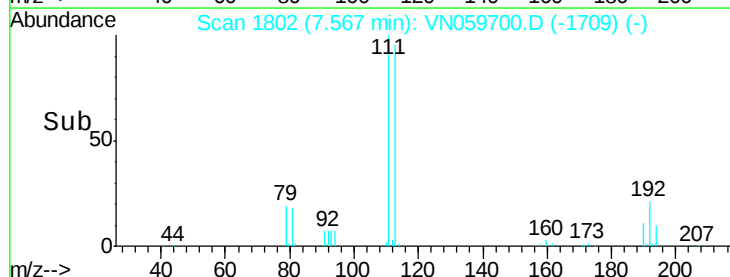
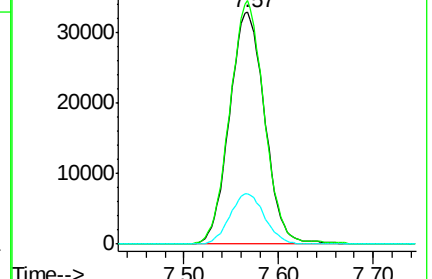
192 21.3 15.4 23.2

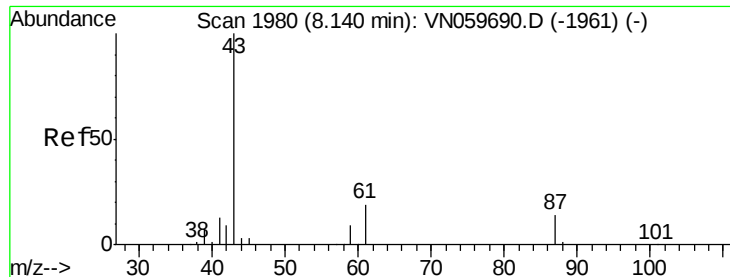


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 11.236 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059700.D

Acq: 14 Jan 2020 12:03

Instrument :

MSVOA\_N

ClientSampleId :

PB126072TB

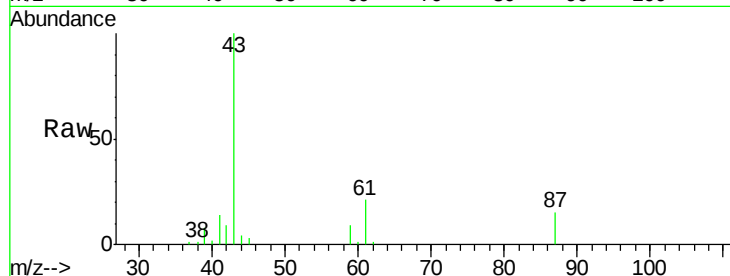
Tot Ion: 43 Resp: 43940

Ion Ratio Lower Upper

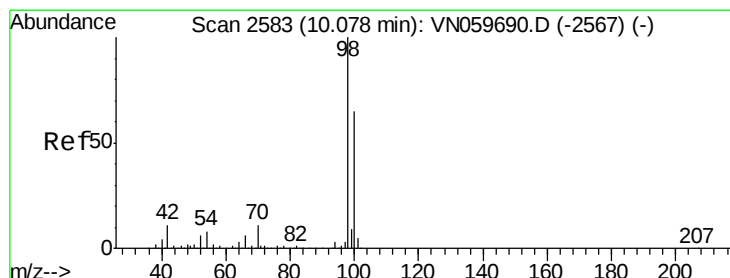
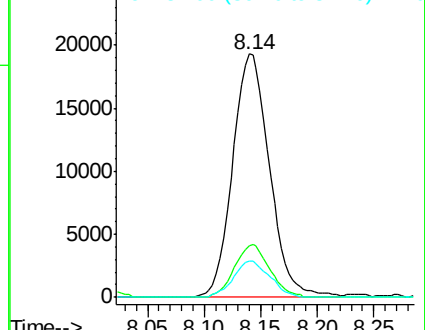
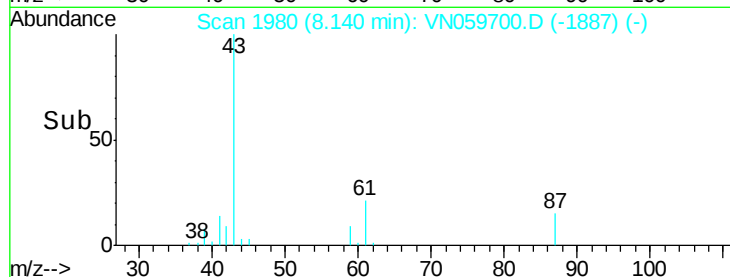
43 100

61 20.6 20.2 30.2

87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059700.D (-1887) (-)



#50

Toluene-d8

Concen: 48.610 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059700.D

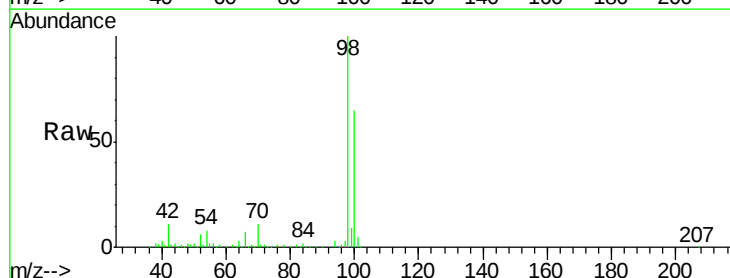
Acq: 14 Jan 2020 12:03

Tgt Ion: 98 Resp: 312647

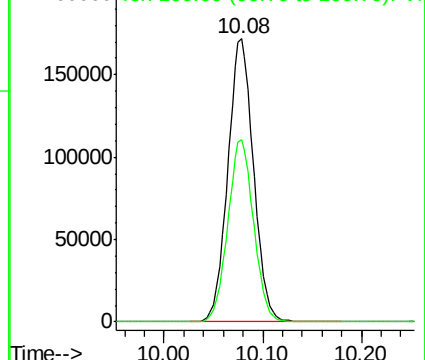
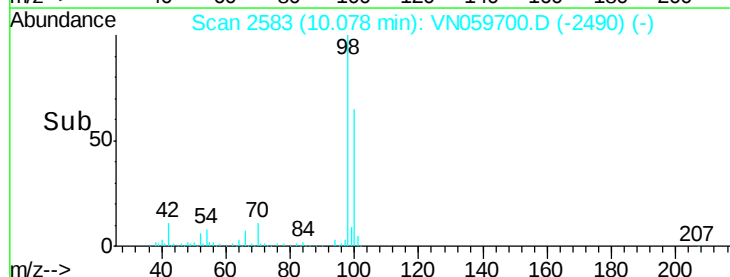
Ion Ratio Lower Upper

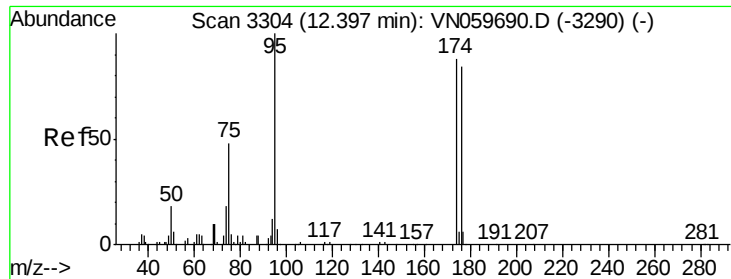
98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059700.D (-2490) (-)

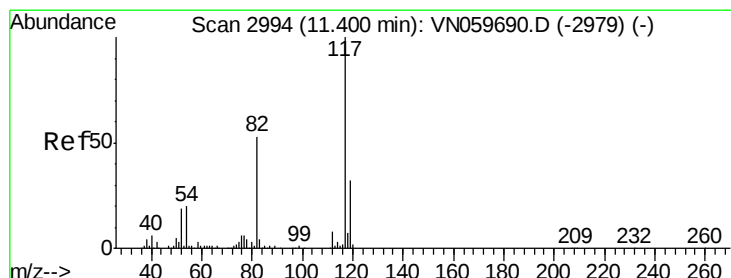
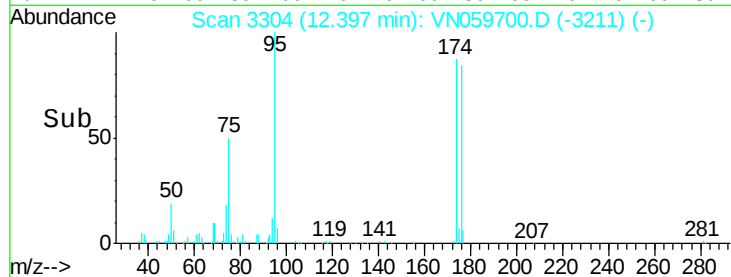
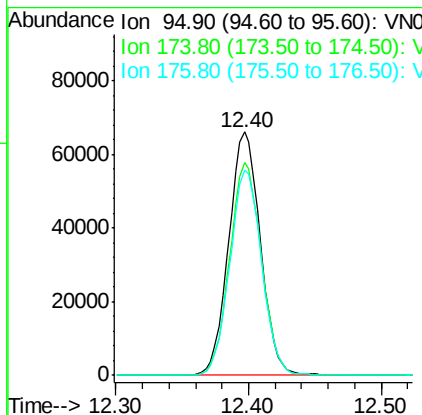
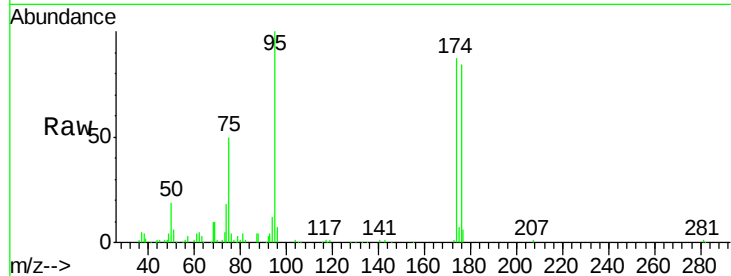




#62  
4-Bromofluorobenzene  
Concen: 47.340 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. 0.00 min  
Lab File: VN059700.D  
Acq: 14 Jan 2020 12:03

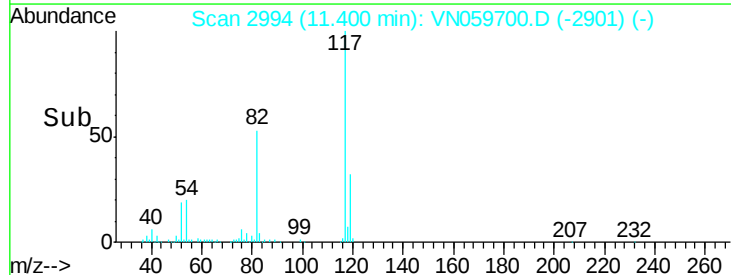
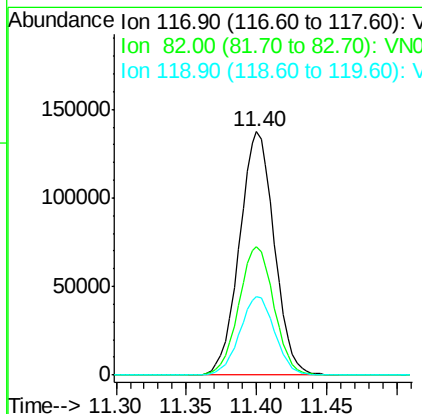
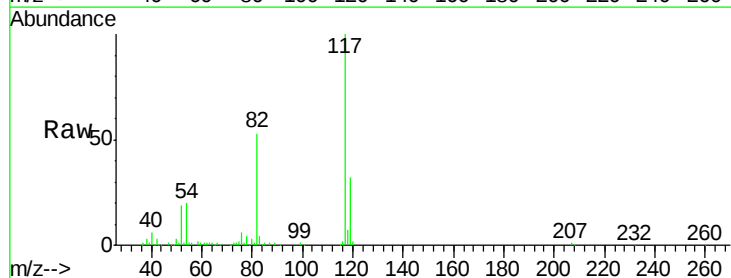
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB126072TB

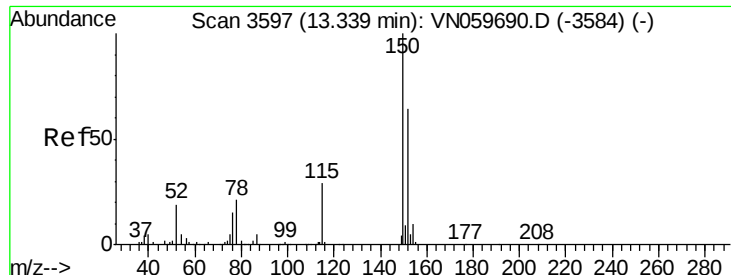
Tot Ion: 95 Resp: 109764  
Ion Ratio Lower Upper  
95 100  
174 87.8 0.0 151.4  
176 84.9 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059700.D  
Acq: 14 Jan 2020 12:03

Tgt Ion: 117 Resp: 237243  
Ion Ratio Lower Upper  
117 100  
82 52.7 45.9 68.9  
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059700.D

Acq: 14 Jan 2020 12:03

Instrument :

MSVOA\_N

ClientSampleId :

PB126072TB

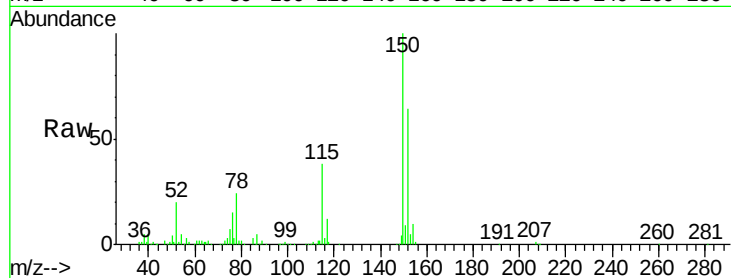
Tot Ion:152 Resp: 103578

Ion Ratio Lower Upper

152 100

115 57.8 30.3 90.9

150 157.5 0.0 345.2



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

