

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\  
 Data File : VN059854.D  
 Acq On : 24 Jan 2020 18:38  
 Operator : JC/MD  
 Sample : PB126303ZHE#03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126303ZHE#03

Quant Time: Jan 25 01:31:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 18 03:09:32 2020  
 Response via : Initial Calibration

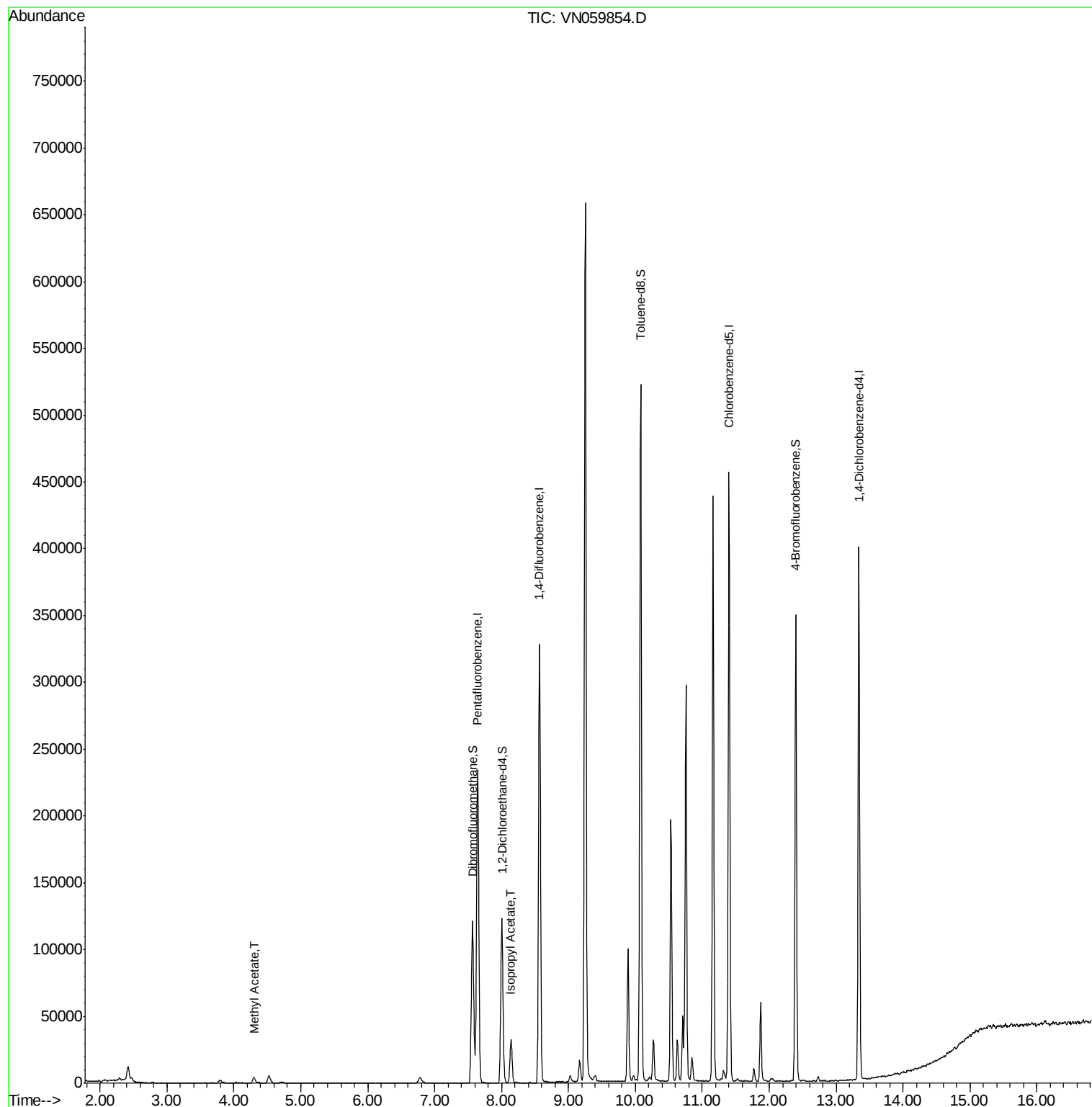
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 202808   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 305532   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 270804   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 109837   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 106572   | 47.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.64%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 91561    | 50.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.50% |          |
| 50) Toluene-d8              | 10.08 | 98   | 363038   | 51.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.86% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 118266   | 46.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.94%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 18) Methyl Acetate          | 4.30  | 43   | 7850     | 2.984 | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 38774    | 9.033 | ug/l #  | 91       |

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

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Quant Title : SW846 8260  
QLast Update : Sat Jan 18 03:09:32 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: VN059854.D

Acq: 24 Jan 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

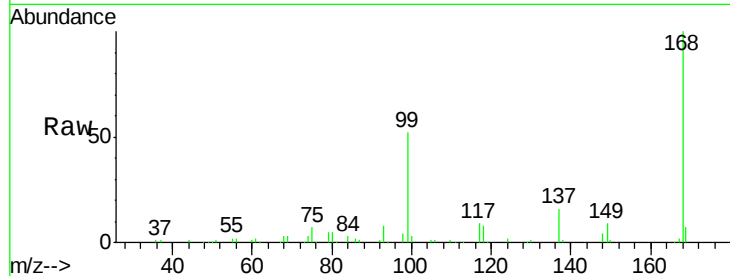
PB126303ZHE#03

Tot Ion:168 Resp: 202808

Ion Ratio Lower Upper

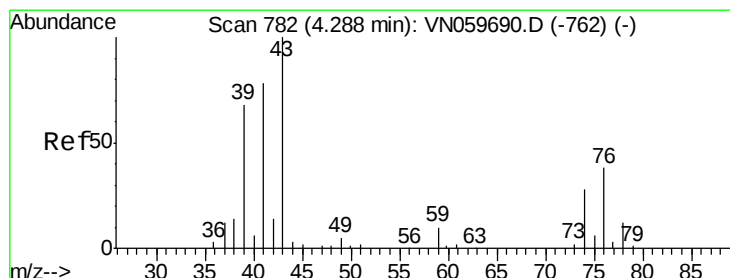
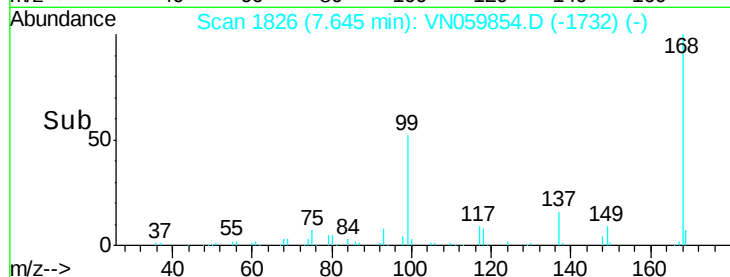
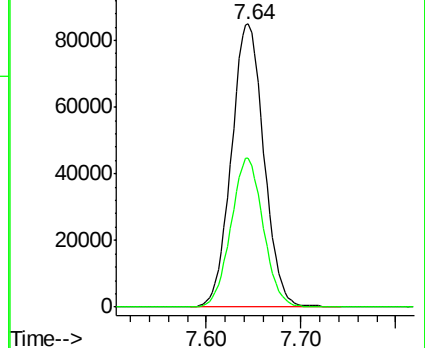
168 100

99 52.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#18

Methyl Acetate

Concen: 2.984 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN059854.D

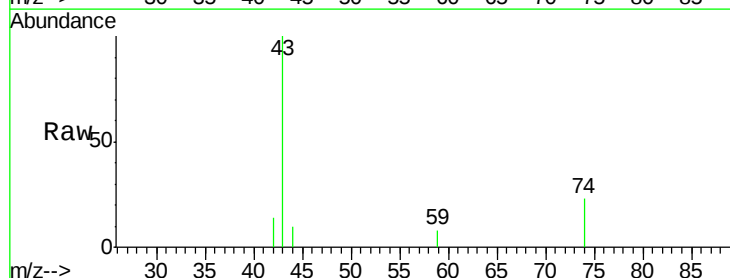
Acq: 24 Jan 2020 18:38

Tgt Ion: 43 Resp: 7850

Ion Ratio Lower Upper

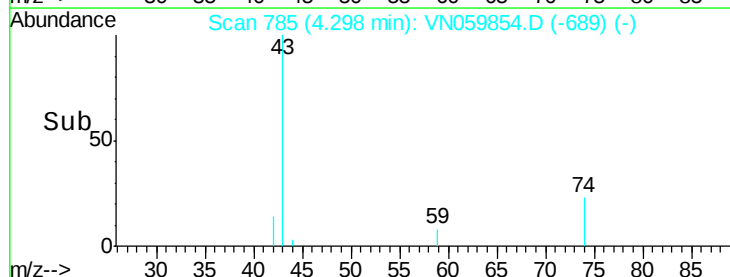
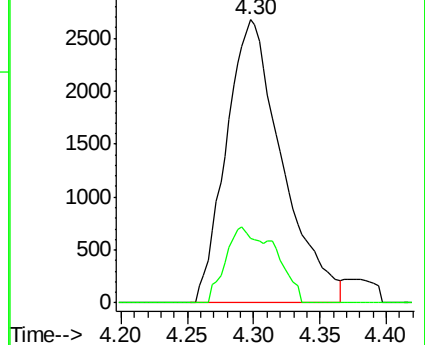
43 100

74 23.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 47.318 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059854.D

Acq: 24 Jan 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

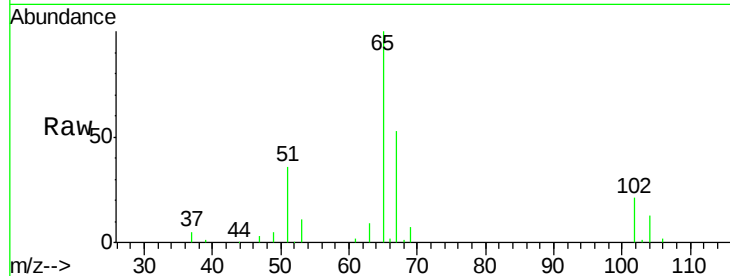
PB126303ZHE#03

Tot Ion: 65 Resp: 106572

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059854.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059854.D (-1845) (-)

8.00

50000

40000

30000

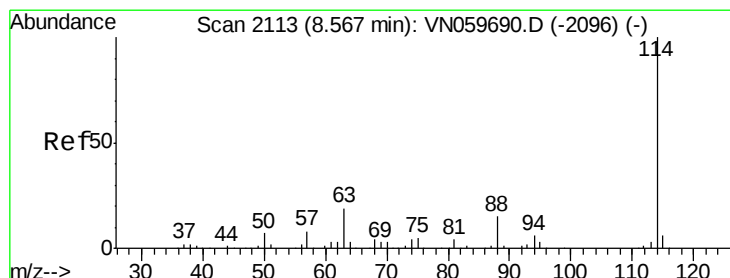
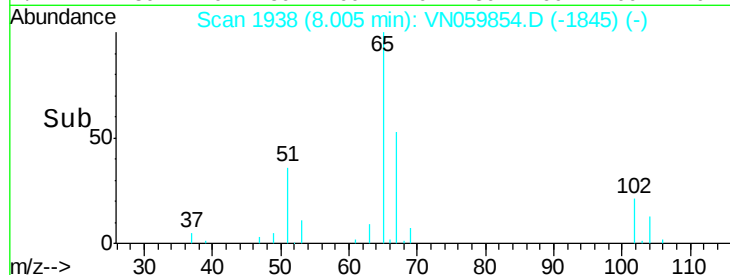
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059854.D

Acq: 24 Jan 2020 18:38

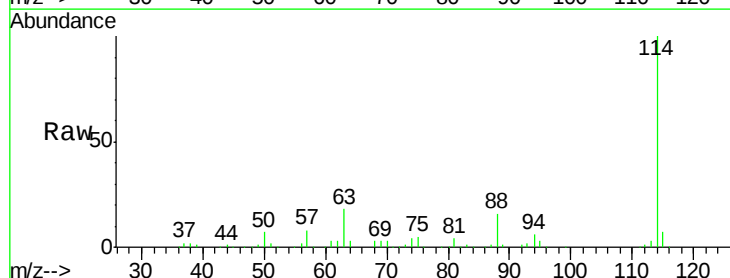
Tgt Ion: 114 Resp: 305532

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.6

88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN059854.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059854.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059854.D (-2020) (-)

8.57

200000

150000

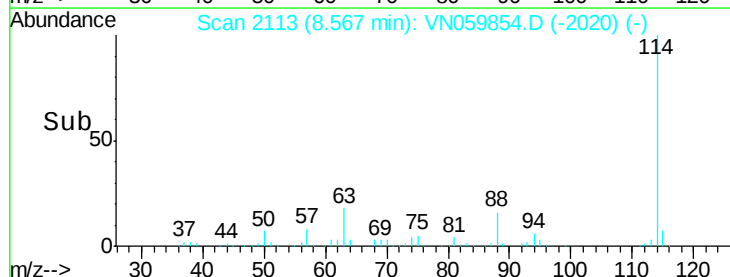
100000

50000

0

8.50 8.60 8.70

Time-->

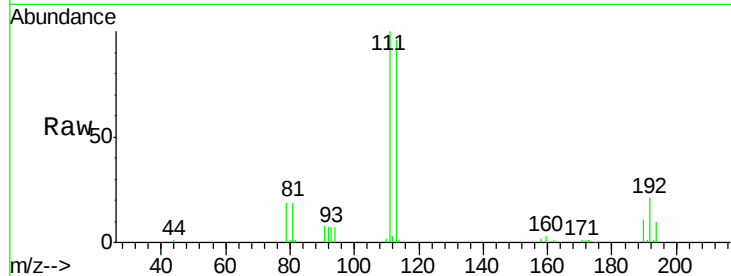




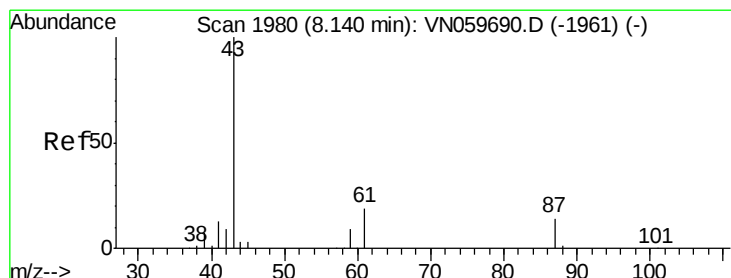
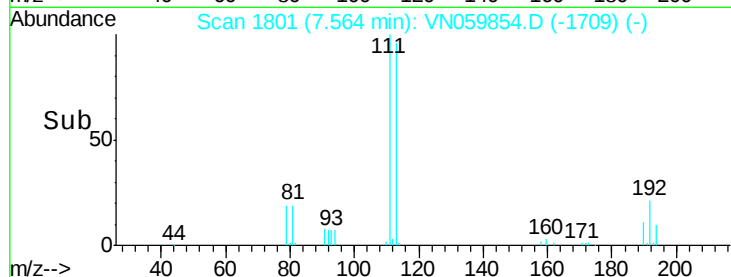
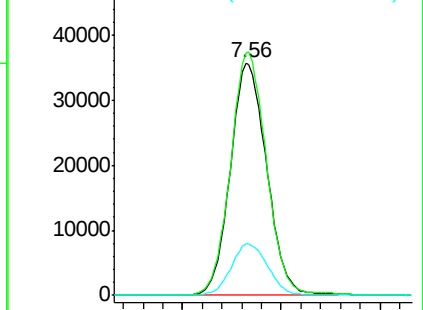
#35  
 Dibromofluoromethane  
 Concen: 50.252 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN059854.D  
 Acq: 24 Jan 2020 18:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126303ZHE#03

Tot Ion:113 Resp: 91561  
 Ion Ratio Lower Upper  
 113 100  
 111 103.0 83.5 125.3  
 192 22.4 15.4 23.2

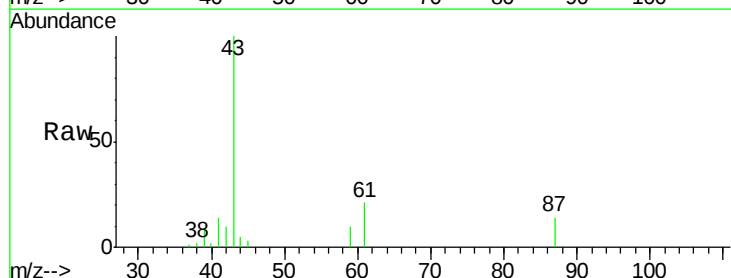


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

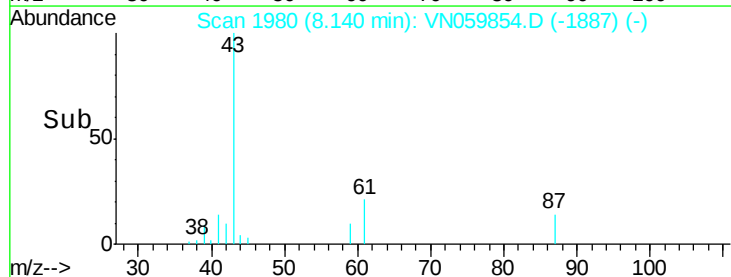
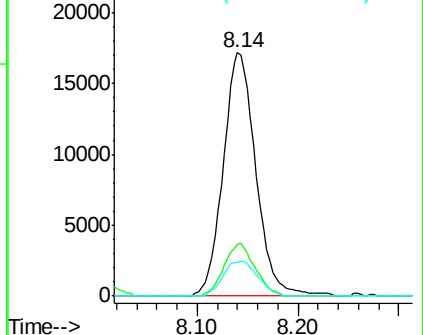


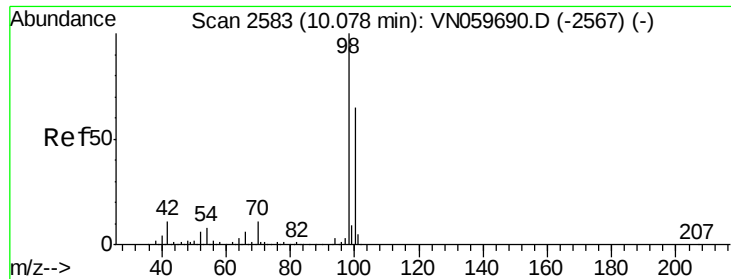
#43  
 Isopropyl Acetate  
 Concen: 9.033 ug/l  
 RT: 8.14 min Scan# 1980  
 Delta R.T. 0.00 min  
 Lab File: VN059854.D  
 Acq: 24 Jan 2020 18:38

Tgt Ion: 43 Resp: 38774  
 Ion Ratio Lower Upper  
 43 100  
 61 20.6 20.2 30.2  
 87 15.1 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
 Ion 61.00 (60.70 to 61.70): VNO  
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 51.426 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059854.D

Acq: 24 Jan 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

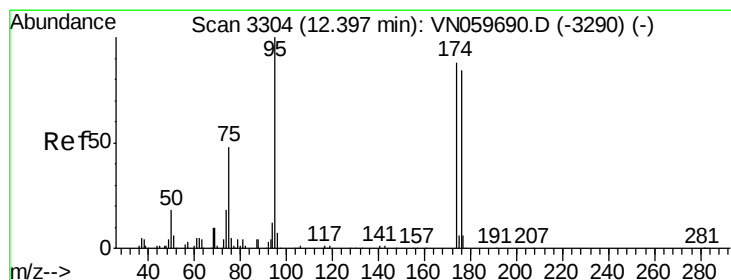
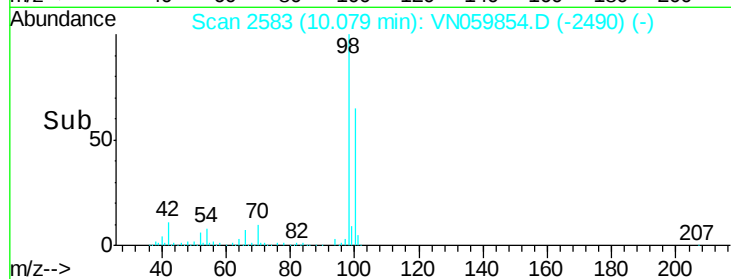
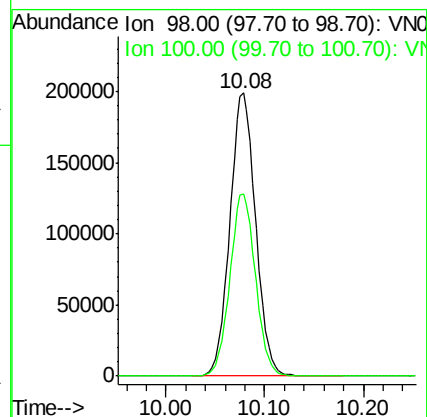
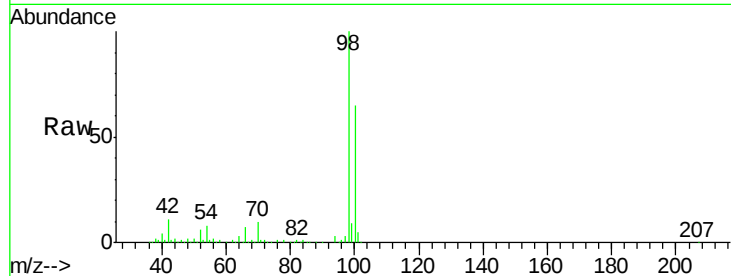
PB126303ZHE#03

Tot Ion: 98 Resp: 363038

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 46.471 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059854.D

Acq: 24 Jan 2020 18:38

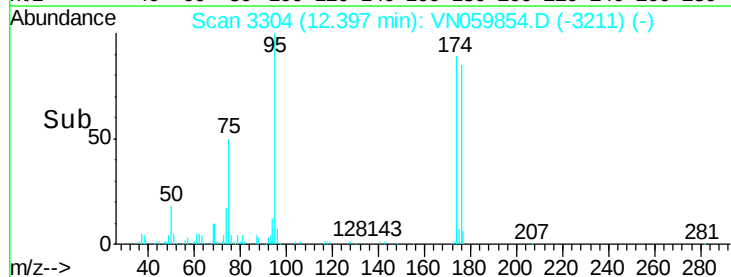
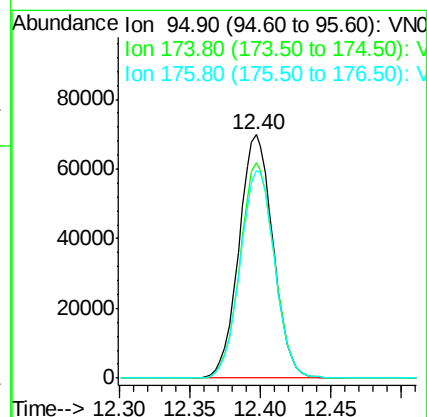
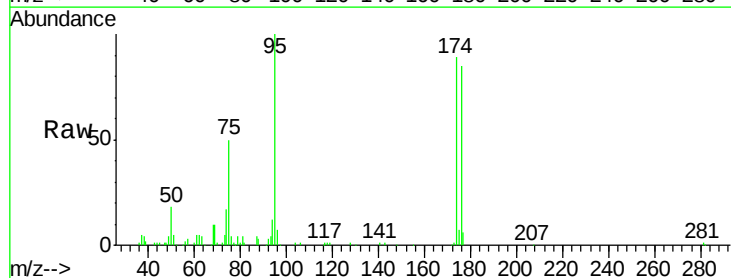
Tgt Ion: 95 Resp: 118266

Ion Ratio Lower Upper

95 100

174 88.9 0.0 151.4

176 86.6 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: VN059854.D

Acq: 24 Jan 2020 18:38

Instrument :

MSVOA\_N

ClientSampleId :

PB126303ZHE#03

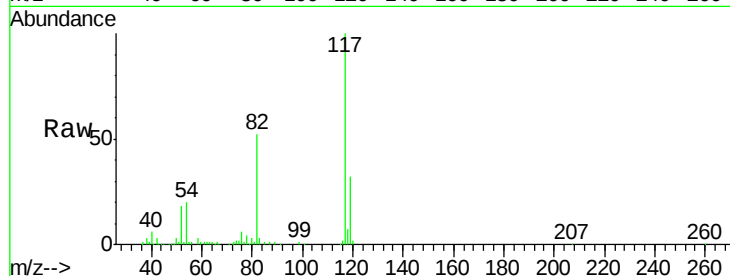
Tot Ion:117 Resp: 270804

Ion Ratio Lower Upper

117 100

82 52.1 45.9 68.9

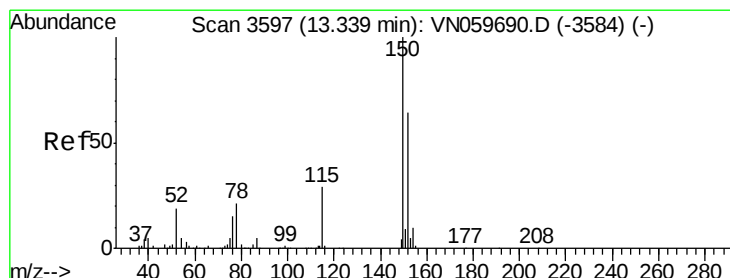
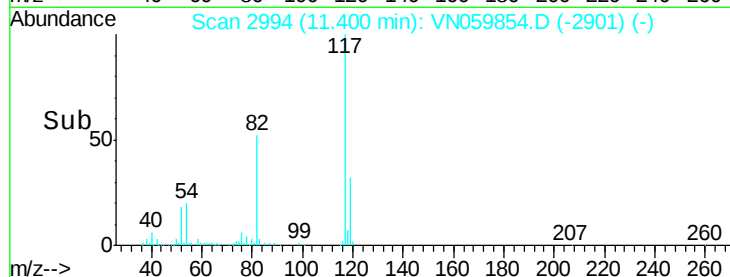
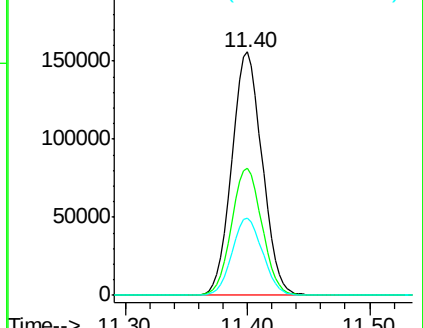
119 31.7 25.5 38.3



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# 3597

Delta R.T. 0.00 min

Lab File: VN059854.D

Acq: 24 Jan 2020 18:38

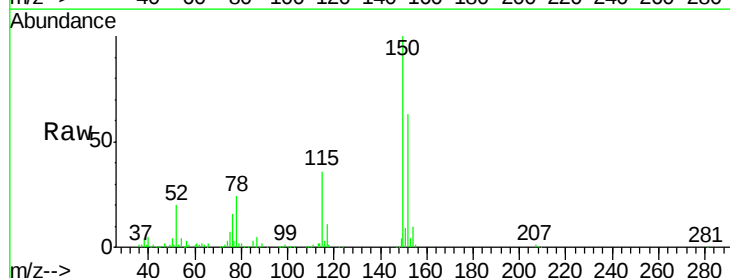
Tgt Ion:152 Resp: 109837

Ion Ratio Lower Upper

152 100

115 57.3 30.3 90.9

150 159.5 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

