

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033120\  
 Data File : VN060781.D  
 Acq On : 31 Mar 2020 13:26  
 Operator : JC/MD  
 Sample : PB127899TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127899TB

Quant Time: Apr 01 08:51:45 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

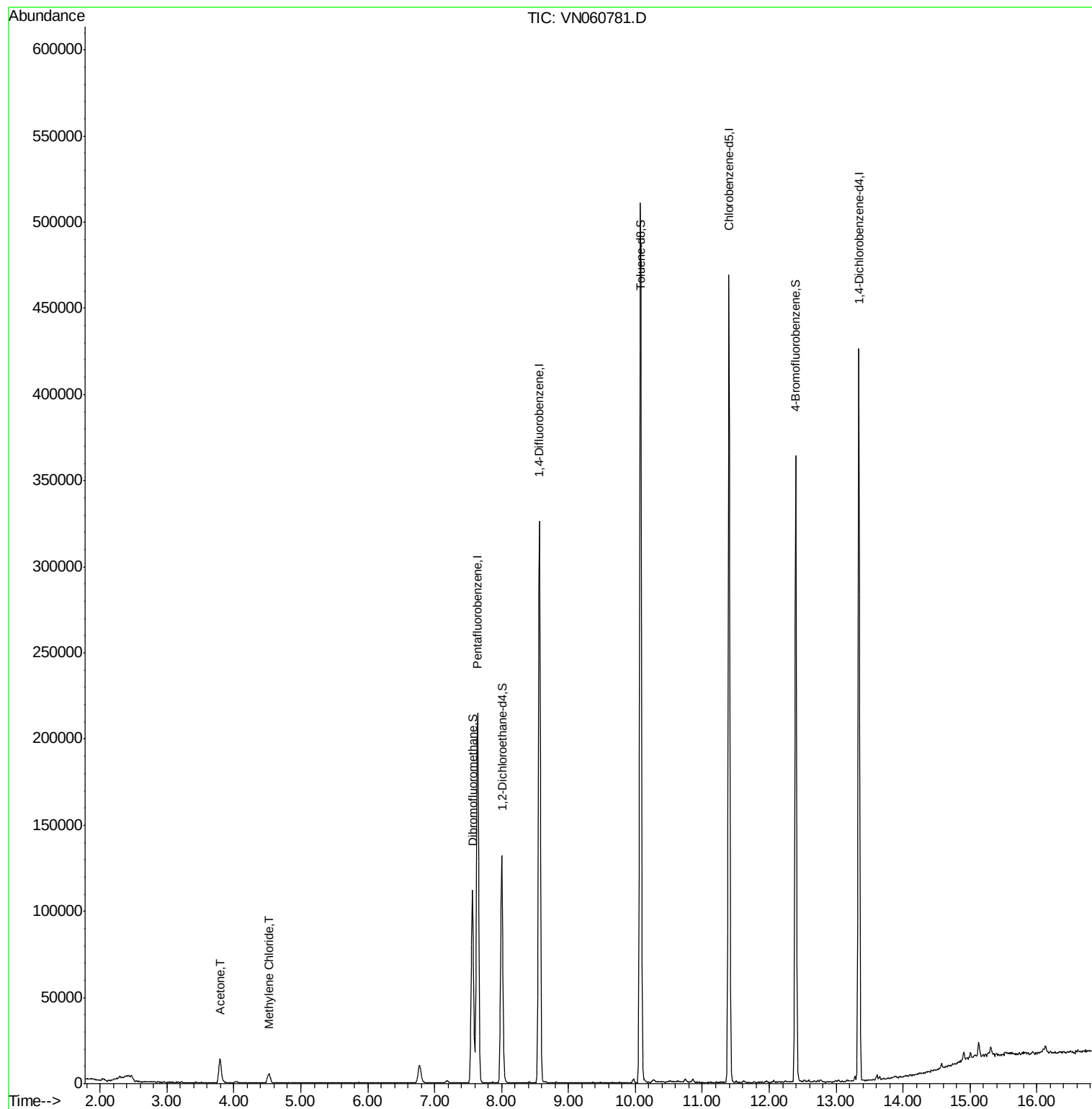
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 177827   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 293078   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 268390   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 113239   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 113410   | 46.46 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.92% |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 86092    | 48.58 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.16% |          |
| 50) Toluene-d8              | 10.08 | 98   | 356760   | 49.29 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.58% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 128954   | 48.61 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.22% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.78  | 43   | 5236     | 6.055 | ug/l   | 96       |
| 20) Methylene Chloride      | 4.52  | 84   | 4390     | 2.064 | ug/l   | 96       |

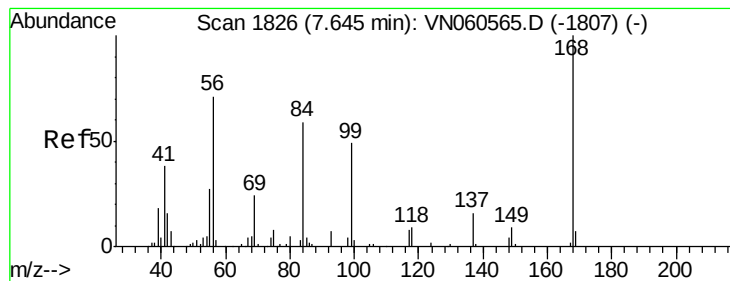
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060781.D

Acq: 31 Mar 2020 13:26

Instrument :

MSVOA\_N

ClientSampleId :

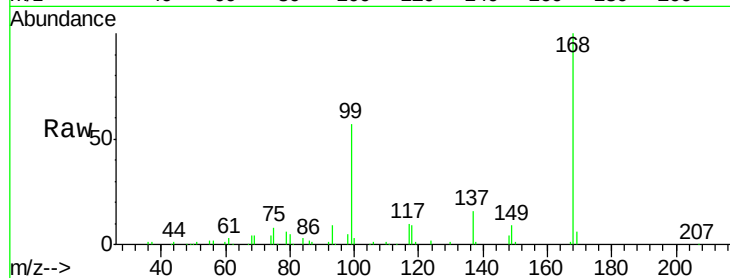
PB127899TB

Tot Ion:168 Resp: 177827

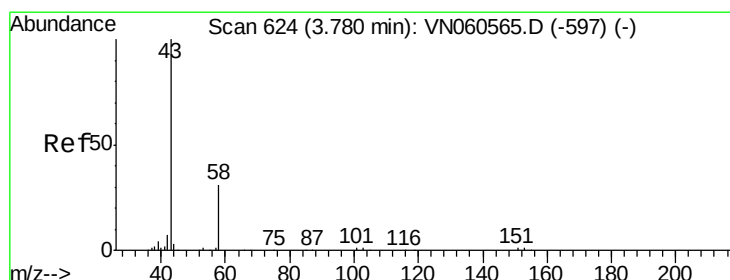
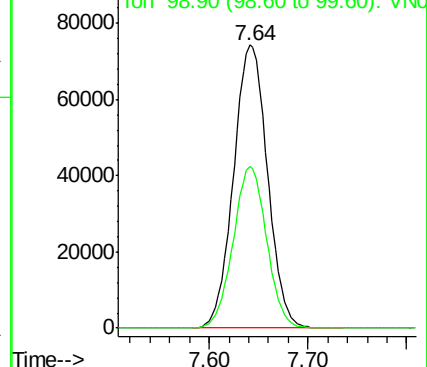
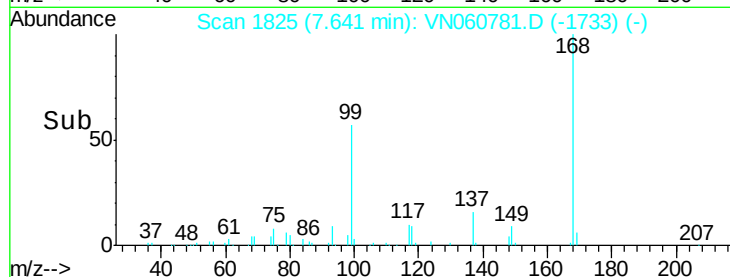
Ion Ratio Lower Upper

168 100

99 57.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060781.D (-1733) (-)



#16

Acetone

Concen: 6.055 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060781.D

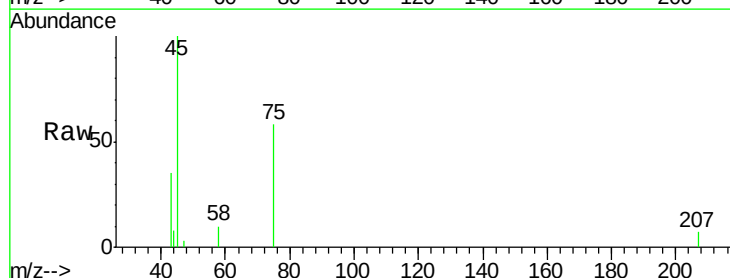
Acq: 31 Mar 2020 13:26

Tgt Ion: 43 Resp: 5236

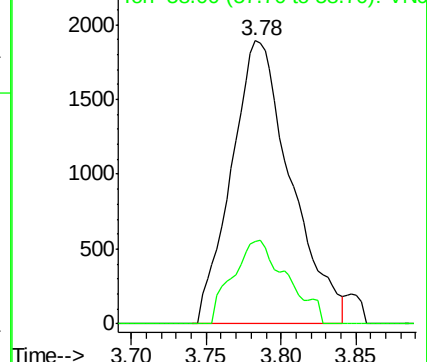
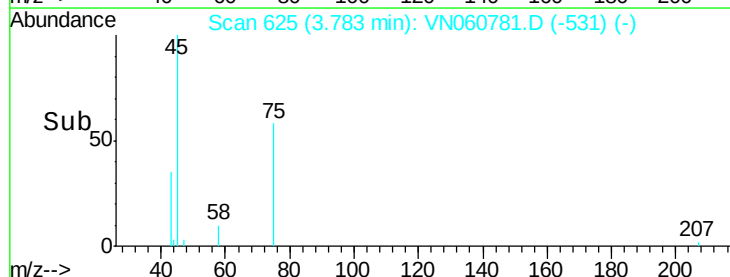
Ion Ratio Lower Upper

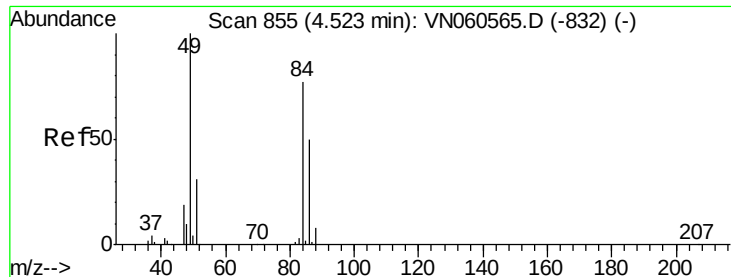
43 100

58 29.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060781.D (-531) (-)

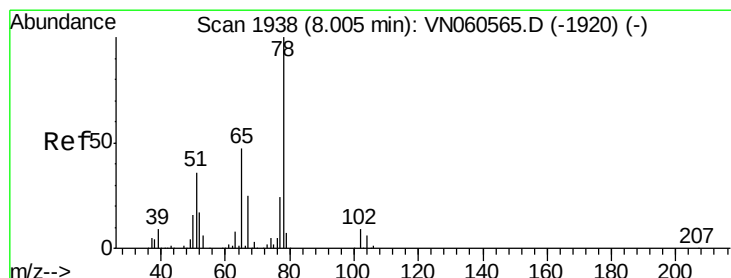
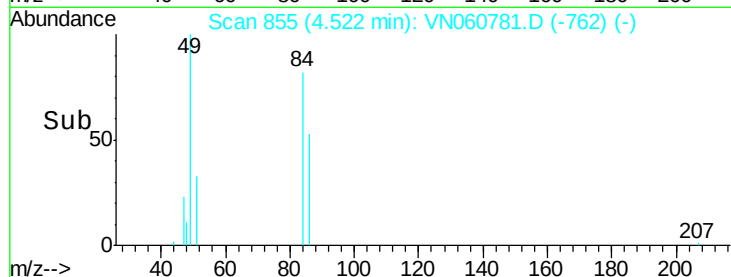
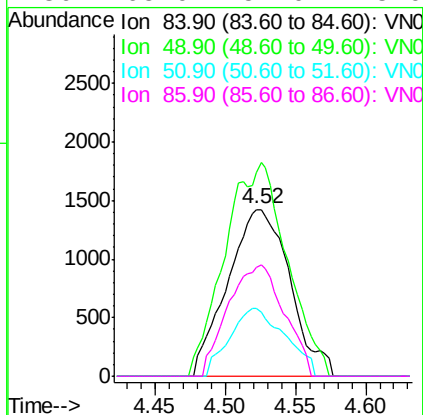
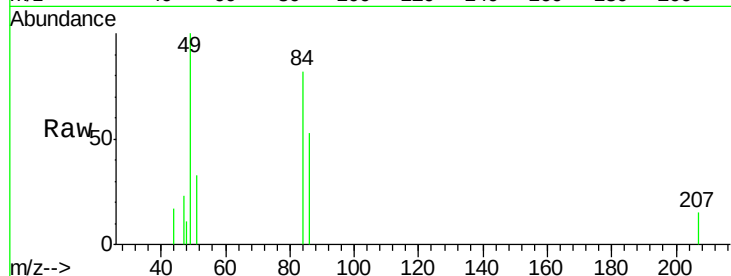




#20  
Methylene Chloride  
Concen: 2.064 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060781.D  
Acq: 31 Mar 2020 13:26

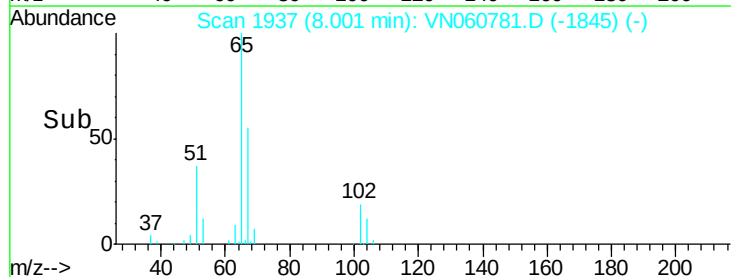
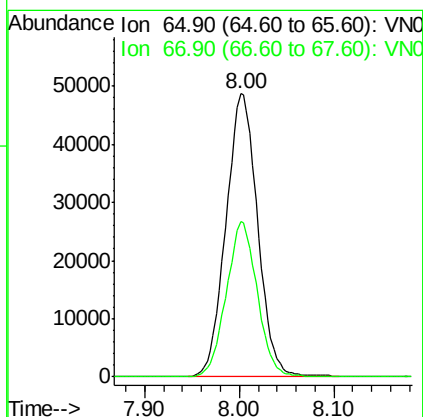
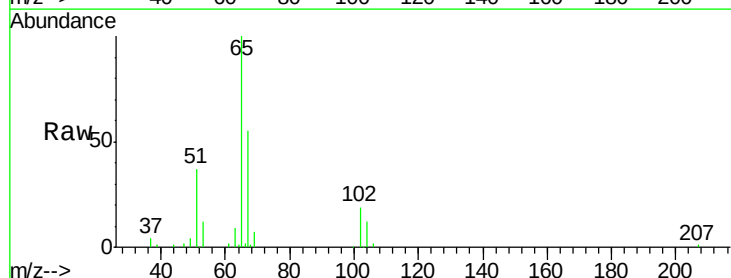
Instrument :  
MSVOA\_N  
ClientSampled :  
PB127899TB

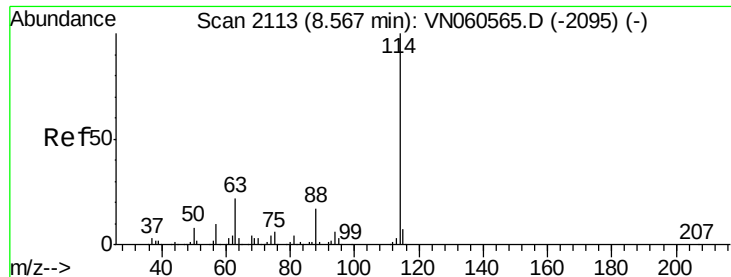
Tot Ion: 84 Resp: 4390  
Ion Ratio Lower Upper  
84 100  
49 121.8 103.3 154.9  
51 40.6 31.6 47.4  
86 65.0 52.0 78.0



#33  
1,2-Dichloroethane-d4  
Concen: 46.457 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060781.D  
Acq: 31 Mar 2020 13:26

Tgt Ion: 65 Resp: 113410  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 107.6

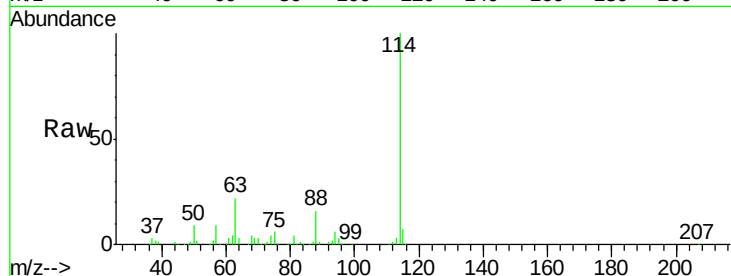




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN060781.D  
 Acq: 31 Mar 2020 13:26

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127899TB

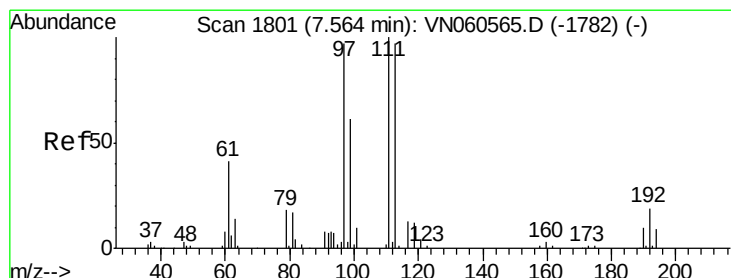
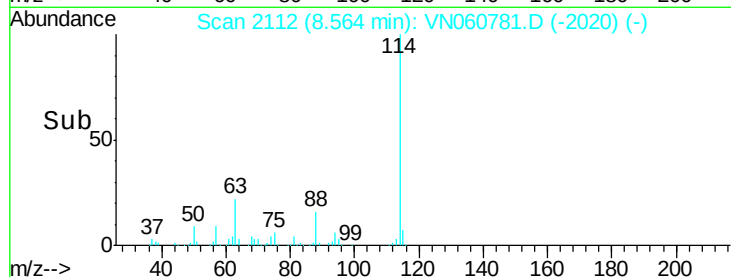
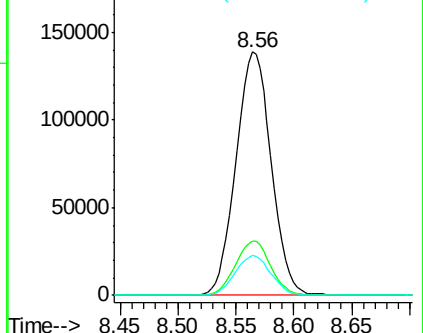
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.2  | 0.0   | 43.8  |
| 88      | 16.3  | 0.0   | 33.0  |



Abundance Ion 113.90 (113.60 to 114.60): V

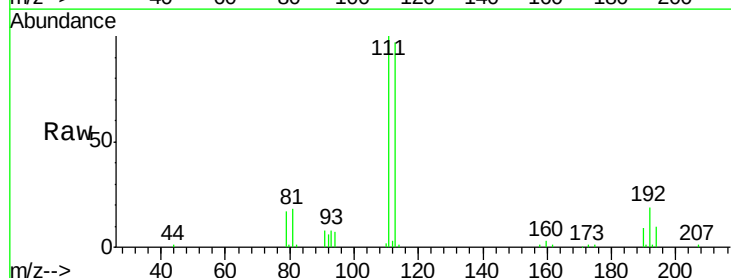
Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35  
 Dibromofluoromethane  
 Concen: 48.580 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060781.D  
 Acq: 31 Mar 2020 13:26

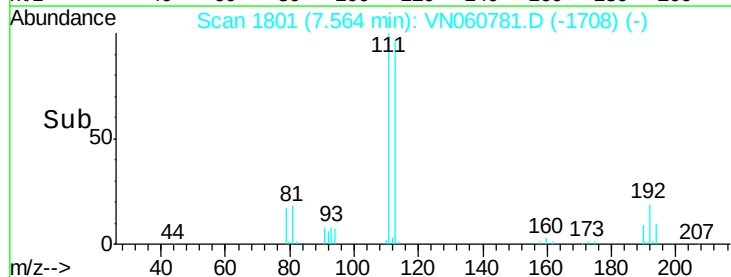
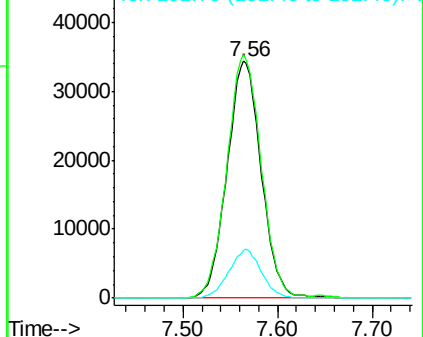
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 82.9  | 124.3 |
| 192     | 19.5  | 15.8  | 23.8  |

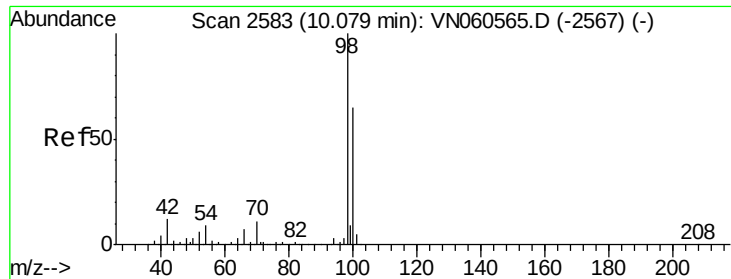


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.286 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060781.D

Acq: 31 Mar 2020 13:26

Instrument :

MSVOA\_N

ClientSampled :

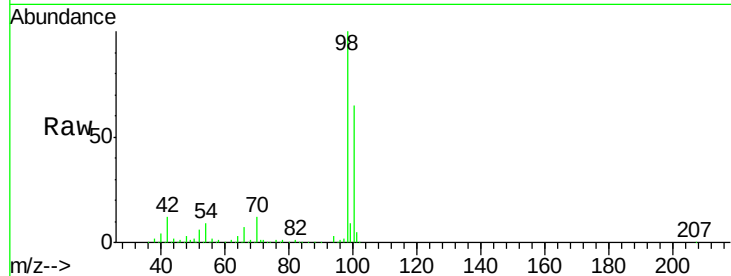
PB127899TB

Tot Ion: 98 Resp: 356760

Ion Ratio Lower Upper

98 100

100 65.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060781.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060781.D (-2490) (-)

10.08

200000

150000

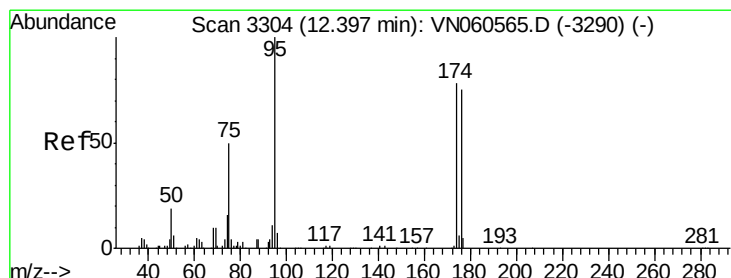
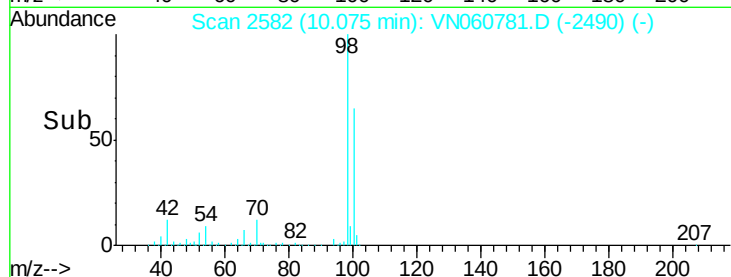
100000

50000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 48.610 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060781.D

Acq: 31 Mar 2020 13:26

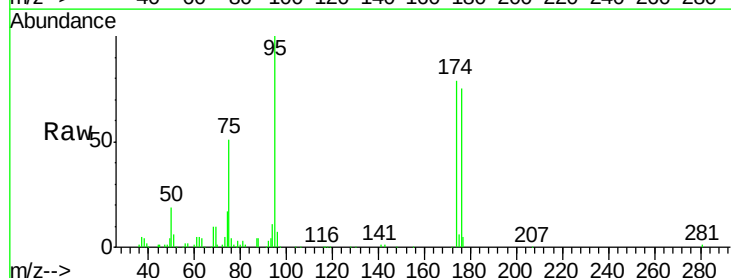
Tgt Ion: 95 Resp: 128954

Ion Ratio Lower Upper

95 100

174 76.2 0.0 157.6

176 74.6 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060781.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060781.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060781.D (-3211) (-)

12.40

100000

80000

60000

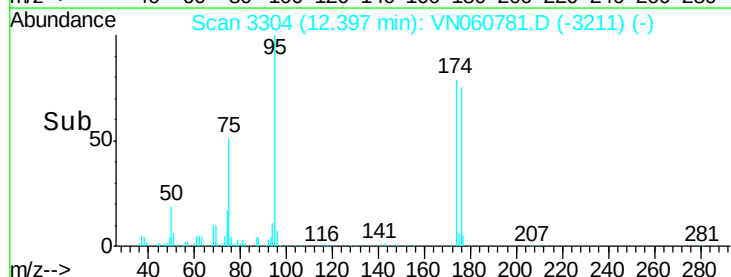
40000

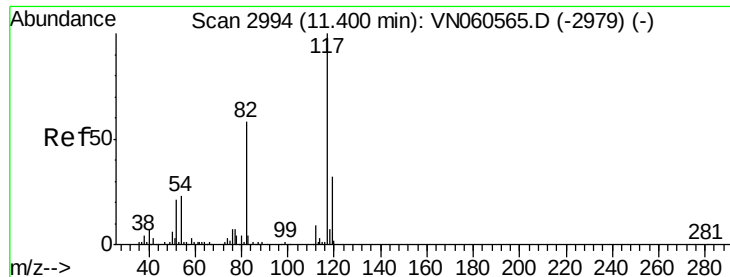
20000

0

Time-->

12.30 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060781.D

Acq: 31 Mar 2020 13:26

Instrument :

MSVOA\_N

ClientSampleId :

PB127899TB

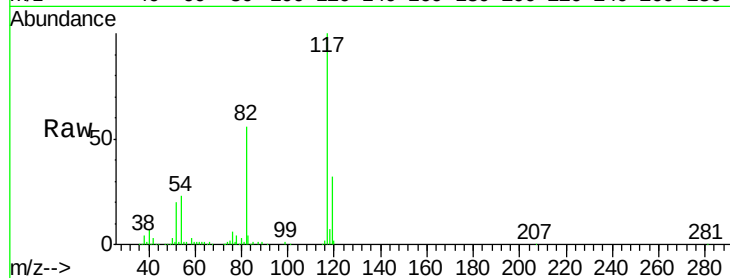
Tot Ion:117 Resp: 268390

Ion Ratio Lower Upper

117 100

82 56.4 46.7 70.1

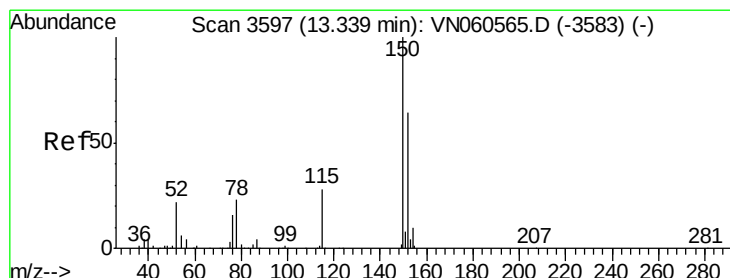
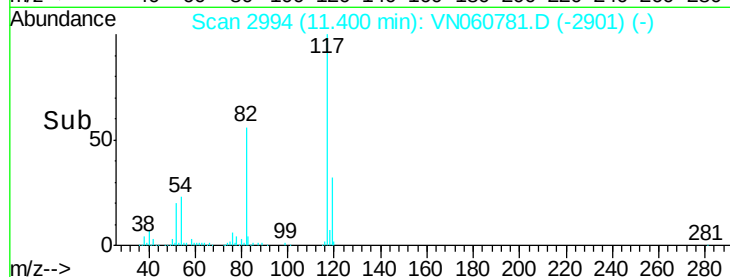
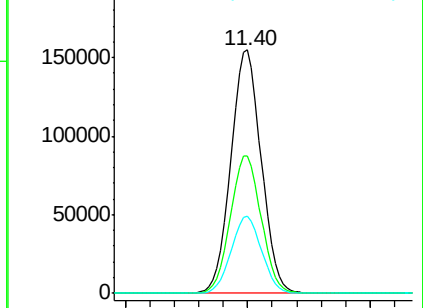
119 31.6 25.5 38.3



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: VN060781.D

Acq: 31 Mar 2020 13:26

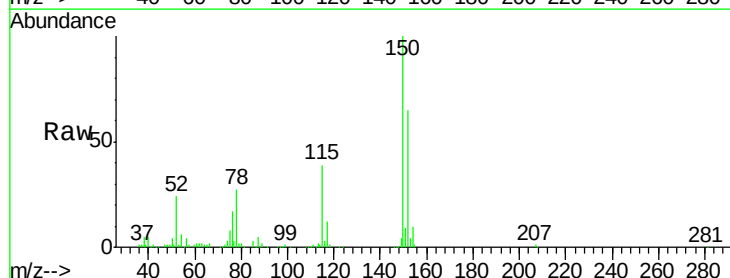
Tgt Ion:152 Resp: 113239

Ion Ratio Lower Upper

152 100

115 60.0 30.2 90.6

150 156.3 0.0 350.2



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

