

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\  
 Data File : VN059840.D  
 Acq On : 24 Jan 2020 13:10  
 Operator : JC/MD  
 Sample : PB126303TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126303TB

Quant Time: Jan 25 01:00:37 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

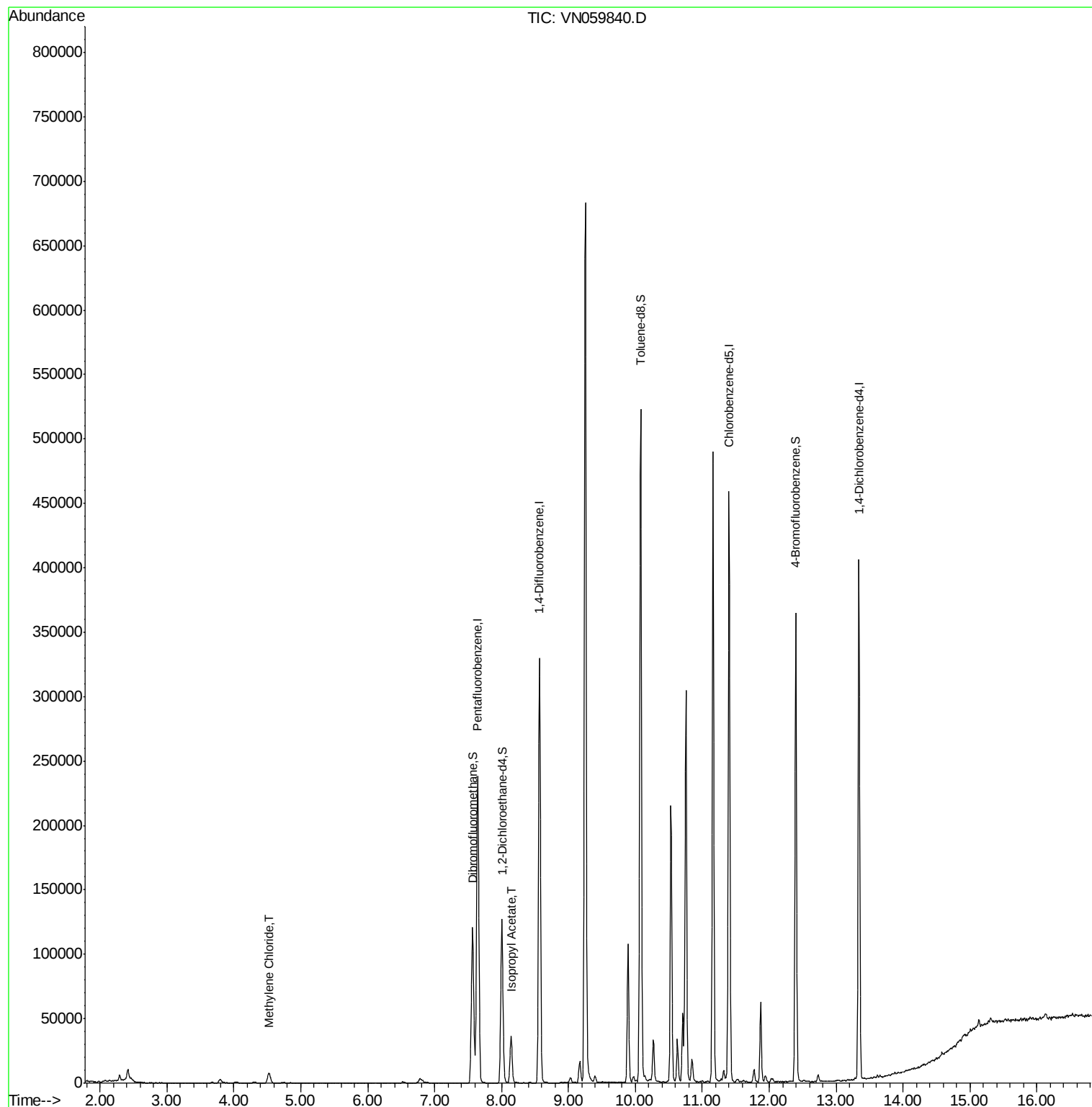
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 206884   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 309486   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 271637   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 111967   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 109664   | 47.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.46%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 92615    | 50.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.36% |          |
| 50) Toluene-d8              | 10.08 | 98   | 362556   | 50.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.40% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 118961   | 46.15  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.30%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.52  | 84   | 6597     | 1.930  | ug/l    | 86       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 43617    | 10.032 | ug/l #  | 91       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012420\  
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ALS Vial : 9 Sample Multiplier: 1

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MSVOA\_N  
ClientSampleId :  
PB126303TB

Quant Time: Jan 25 01:00:37 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N011320W.M  
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: VN059840.D

Acq: 24 Jan 2020 13:10

Instrument :

MSVOA\_N

ClientSampleId :

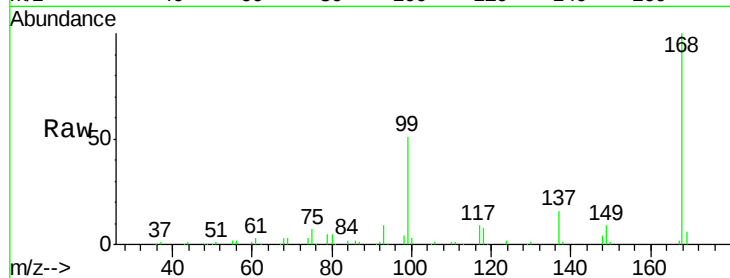
PB126303TB

Tot Ion:168 Resp: 206884

Ion Ratio Lower Upper

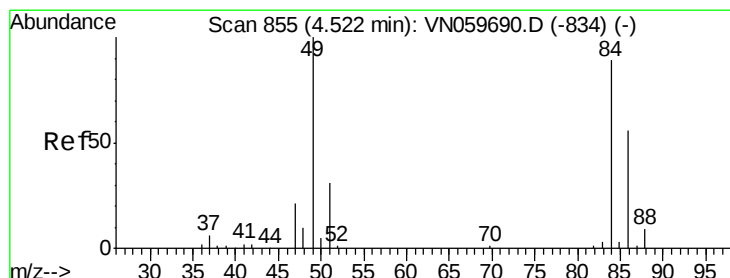
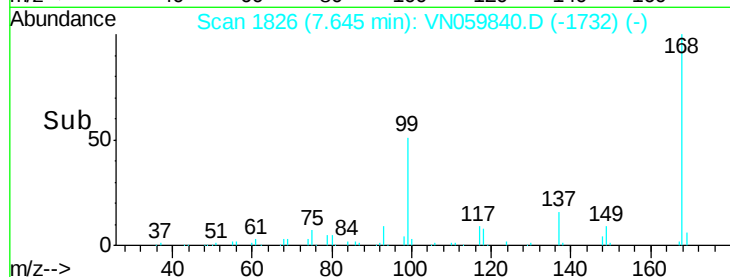
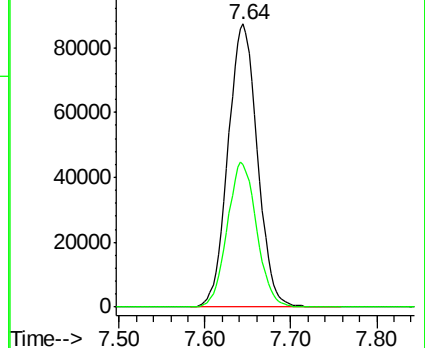
168 100

99 50.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 1.930 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059840.D

Acq: 24 Jan 2020 13:10

Tgt Ion: 84 Resp: 6597

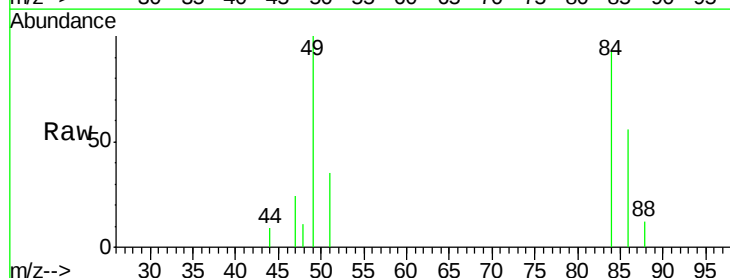
Ion Ratio Lower Upper

84 100

49 107.9 106.6 160.0

51 37.3 31.9 47.9

86 60.6 50.8 76.2

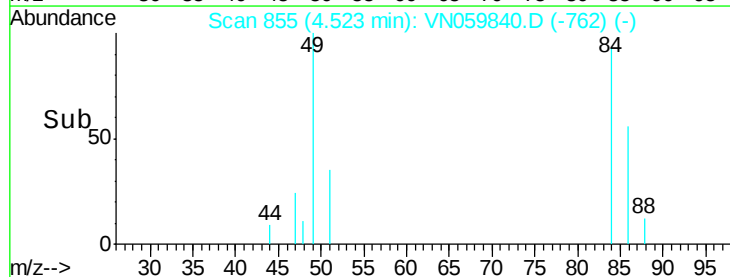
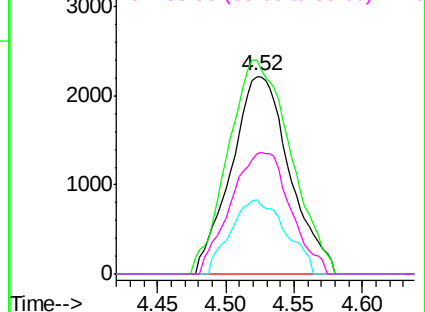


Abundance Ion 83.90 (83.60 to 84.60): VNO

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

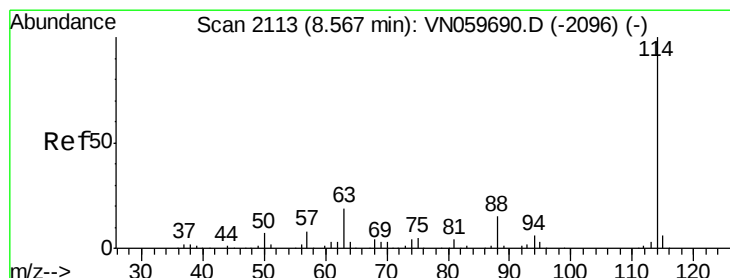
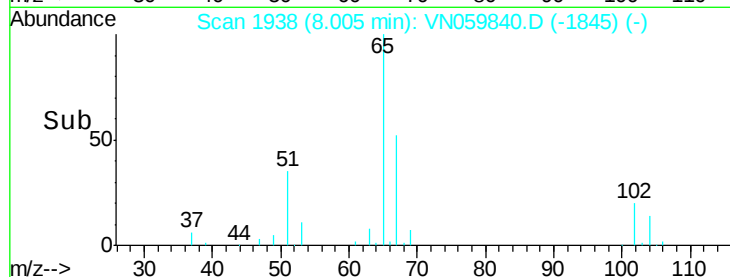
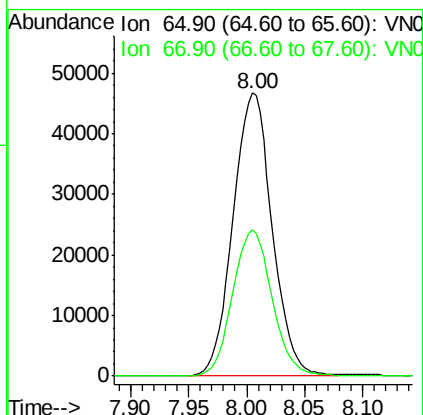
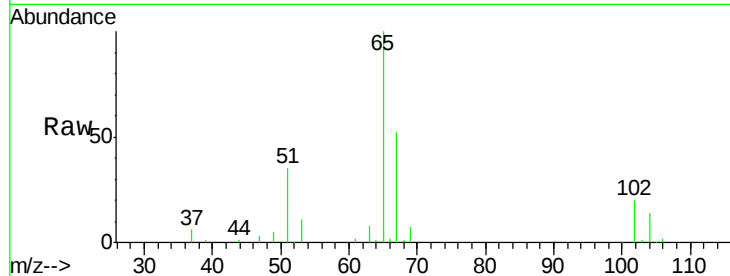




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.732 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN059840.D  
 Acq: 24 Jan 2020 13:10

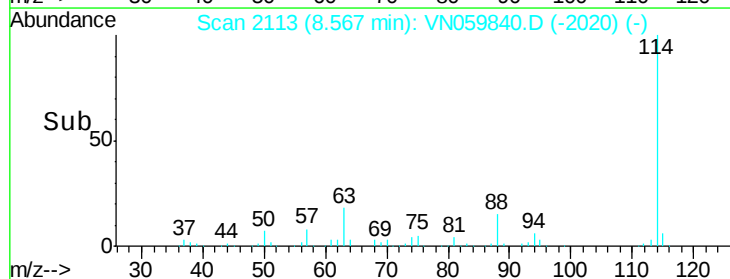
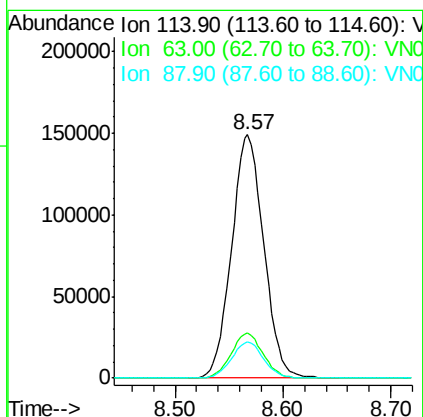
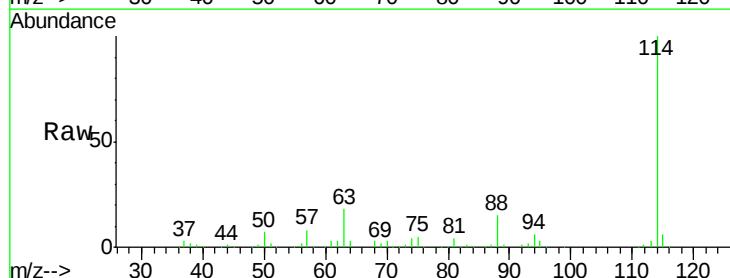
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126303TB

Tot Ion: 65 Resp: 109664  
 Ion Ratio Lower Upper  
 65 100  
 67 52.1 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN059840.D  
 Acq: 24 Jan 2020 13:10

Tgt Ion: 114 Resp: 309486  
 Ion Ratio Lower Upper  
 114 100  
 63 18.4 0.0 43.6  
 88 15.0 0.0 31.4

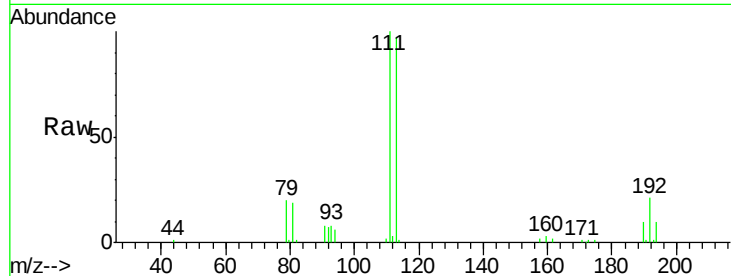




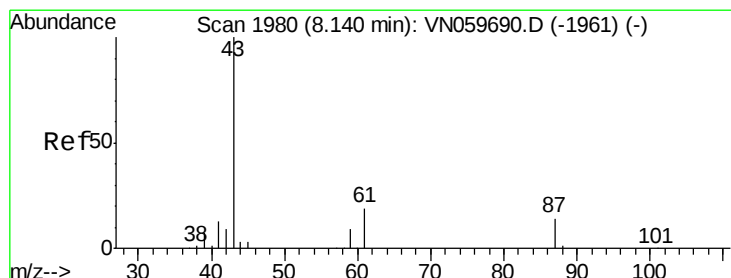
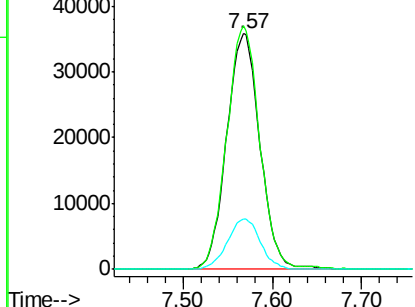
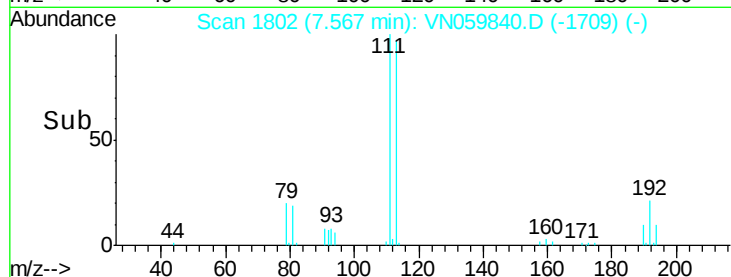
#35  
 Dibromofluoromethane  
 Concen: 50.181 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN059840.D  
 Acq: 24 Jan 2020 13:10

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB126303TB

Tot Ion:113 Resp: 92615  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 83.5 125.3  
 192 21.1 15.4 23.2

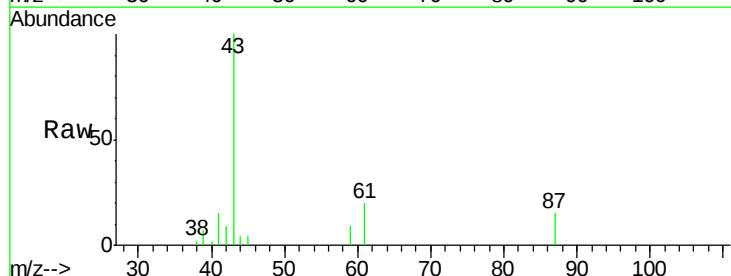


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

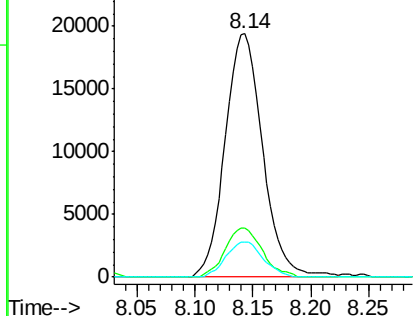
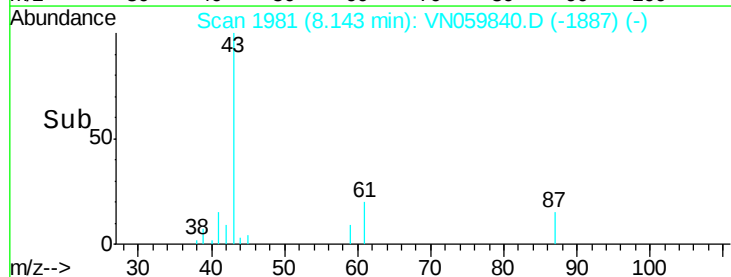


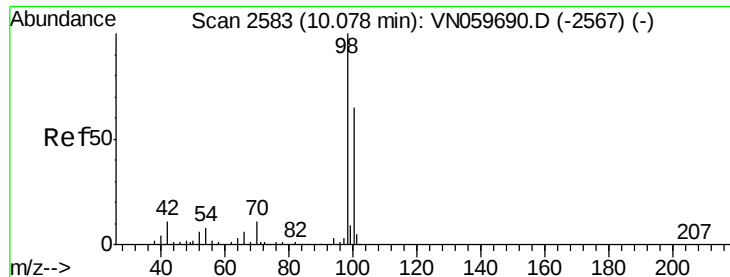
#43  
 Isopropyl Acetate  
 Concen: 10.032 ug/l  
 RT: 8.14 min Scan# 1981  
 Delta R.T. 0.00 min  
 Lab File: VN059840.D  
 Acq: 24 Jan 2020 13:10

Tgt Ion: 43 Resp: 43617  
 Ion Ratio Lower Upper  
 43 100  
 61 19.7 20.2 30.2#  
 87 14.2 9.5 14.3



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





#50

Toluene-d8

Concen: 50.702 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059840.D

Acq: 24 Jan 2020 13:10

Instrument :

MSVOA\_N

ClientSampleId :

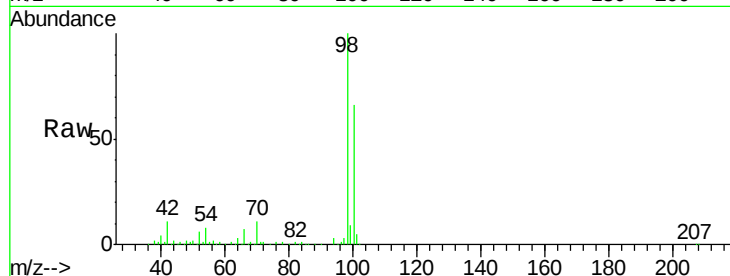
PB126303TB

Tot Ion: 98 Resp: 362556

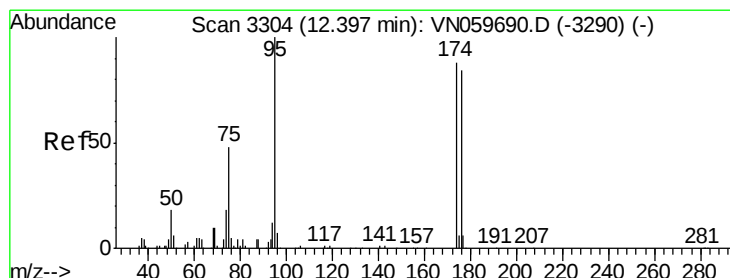
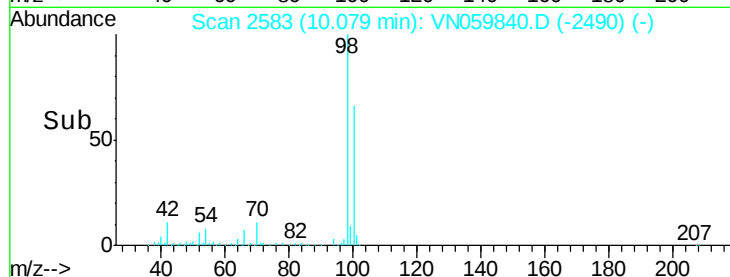
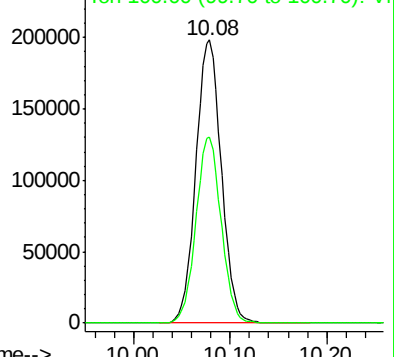
Ion Ratio Lower Upper

98 100

100 64.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN059690.D (-2567) (-)



#62

4-Bromofluorobenzene

Concen: 46.147 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059840.D

Acq: 24 Jan 2020 13:10

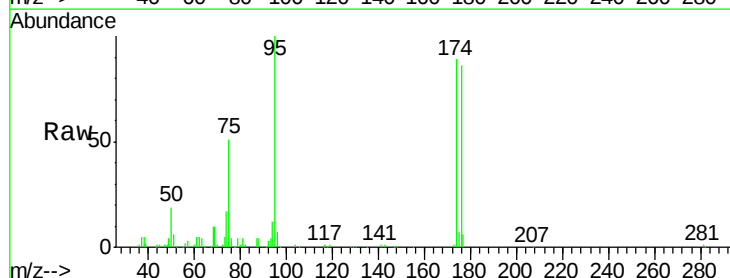
Tgt Ion: 95 Resp: 118961

Ion Ratio Lower Upper

95 100

174 88.9 0.0 151.4

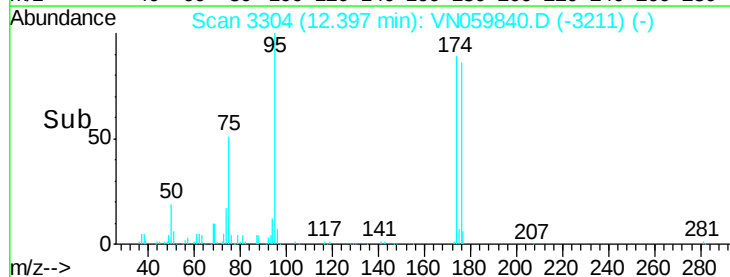
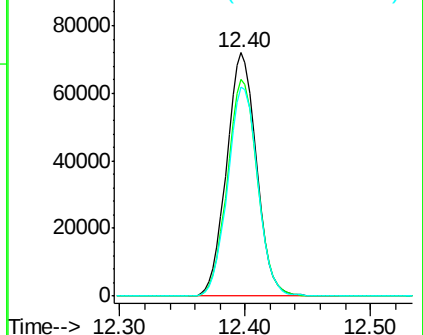
176 86.2 0.0 146.0

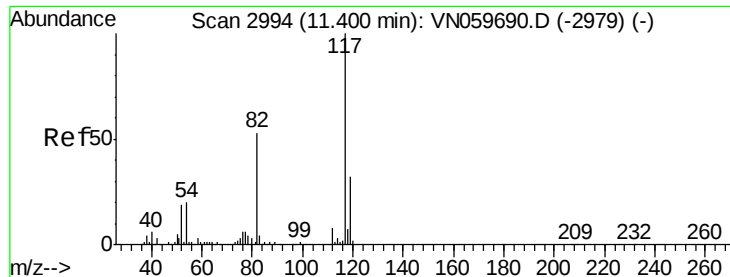


Abundance Ion 94.90 (94.60 to 95.60): VN059690.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059690.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059690.D (-3290) (-)

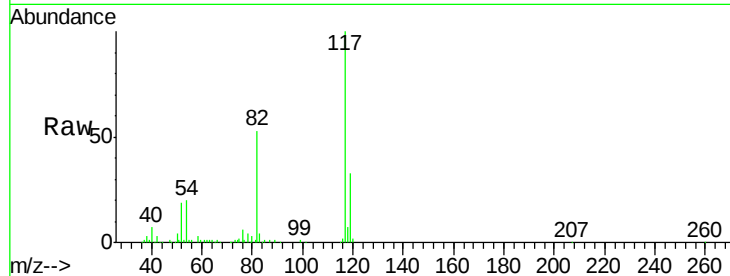




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059840.D  
Acq: 24 Jan 2020 13:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB126303TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.0  | 45.9  | 68.9  |
| 119     | 33.1  | 25.5  | 38.3  |

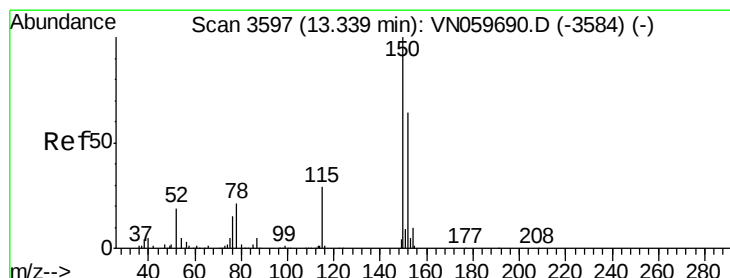
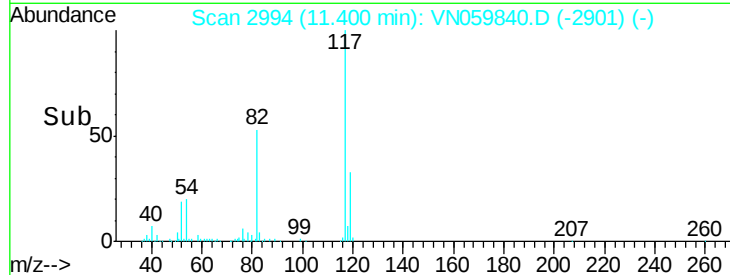
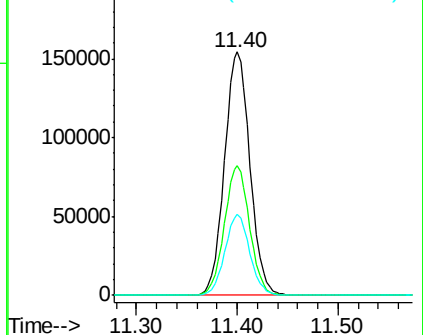


Abundance

Ion 116.90 (116.60 to 117.60): V

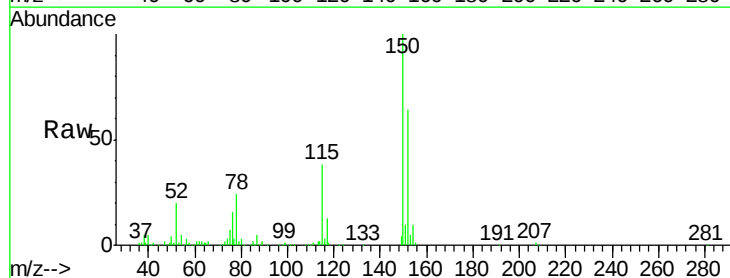
Ion 82.00 (81.70 to 82.70): V

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: VN059840.D  
Acq: 24 Jan 2020 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.6  | 30.3  | 90.9  |
| 150     | 156.8 | 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

