

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\  
 Data File : VN059873.D  
 Acq On : 27 Jan 2020 15:29  
 Operator : JC/MD  
 Sample : L1010-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-01-012420

Quant Time: Jan 27 23:16:14 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

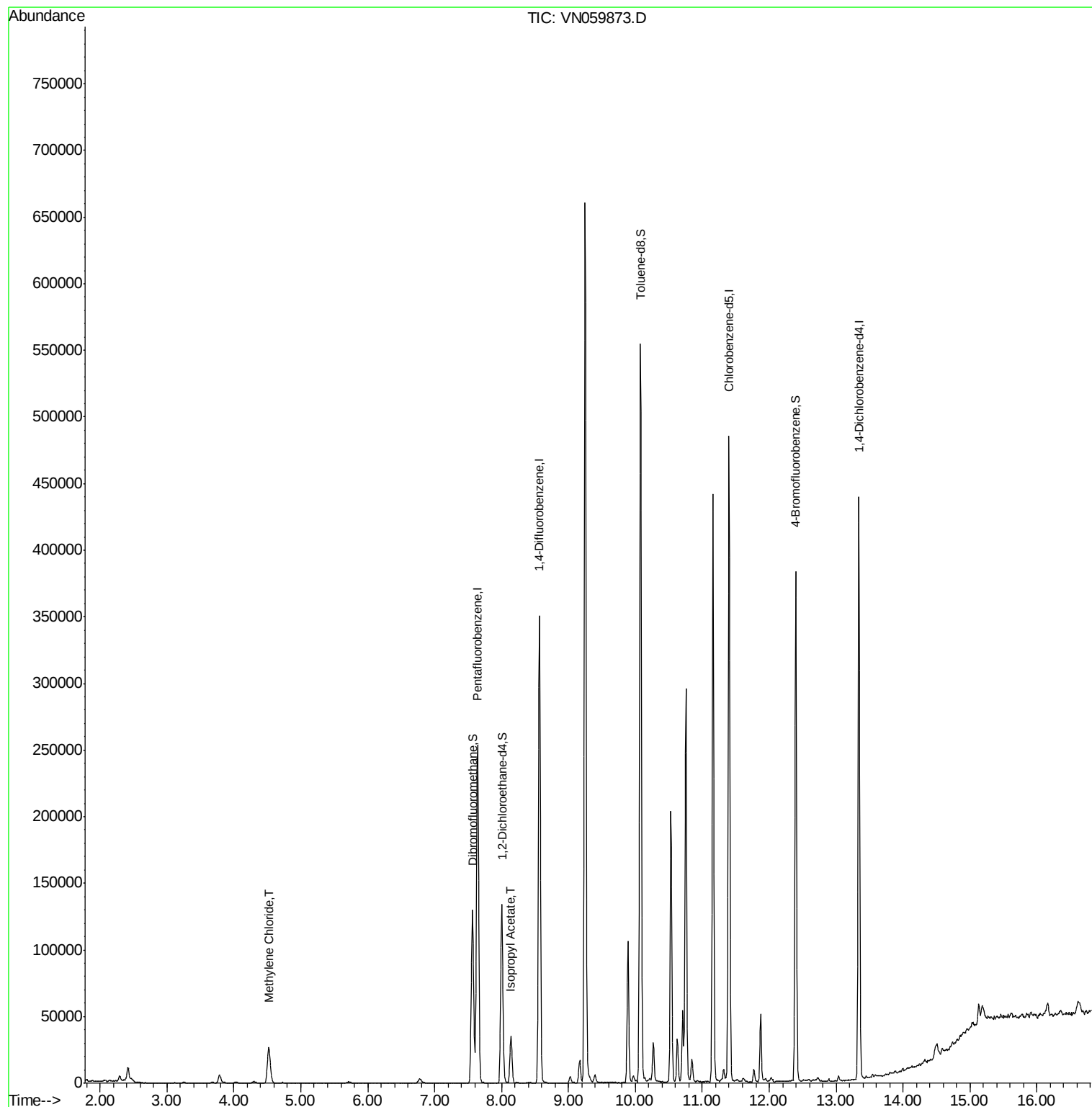
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 219782   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.56  | 114  | 330860   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 288947   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 122196   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 115275   | 47.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.46%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 98453    | 49.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.80%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 386177   | 50.52 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.04% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 128438   | 46.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.22%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.52  | 84   | 22112    | 8.951 | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 41641    | 8.959 | ug/l #  | 92       |

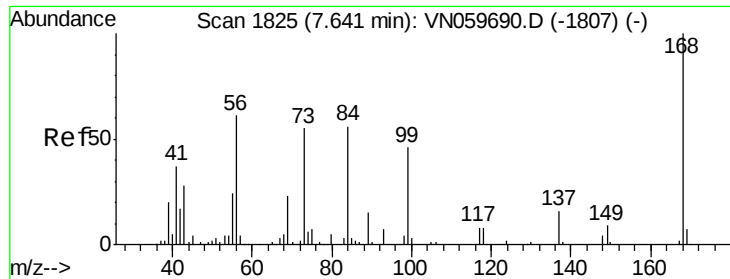
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1825

Delta R.T. 0.00 min

Lab File: VN059873.D

Acq: 27 Jan 2020 15:29

Instrument :

MSVOA\_N

ClientSampleId :

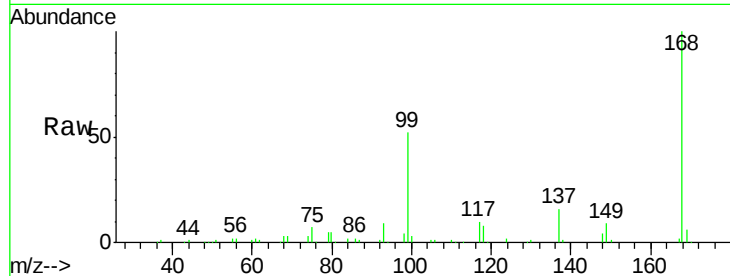
OK-01-012420

Tot Ion:168 Resp: 219782

Ion Ratio Lower Upper

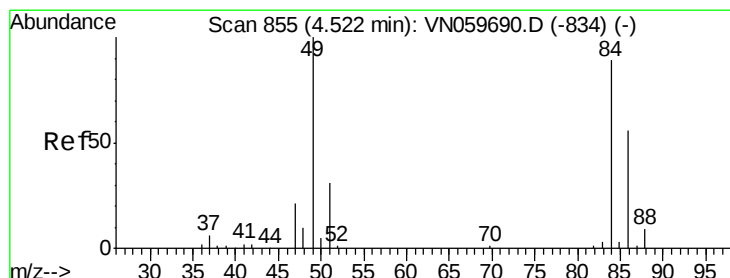
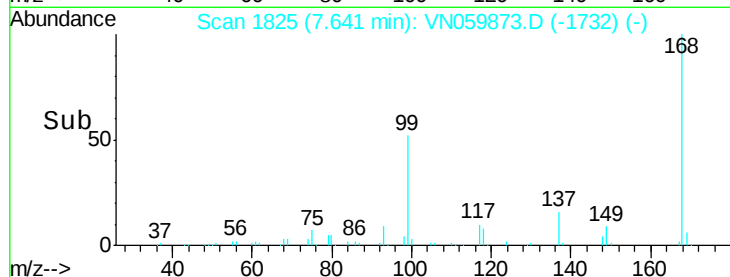
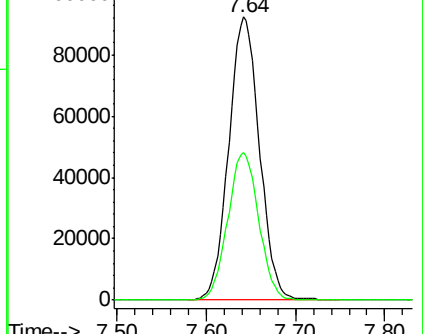
168 100

99 52.1 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: 8.951 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059873.D

Acq: 27 Jan 2020 15:29

Tgt Ion: 84 Resp: 22112

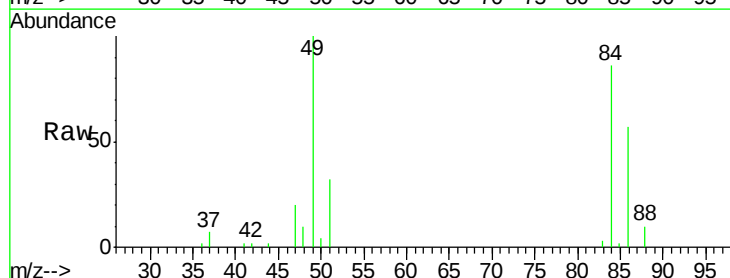
Ion Ratio Lower Upper

84 100

49 116.8 106.6 160.0

51 37.3 31.9 47.9

86 66.4 50.8 76.2

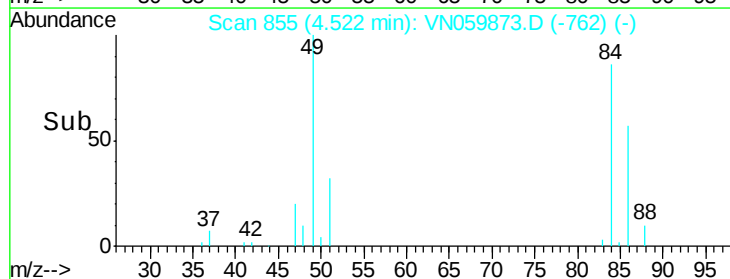
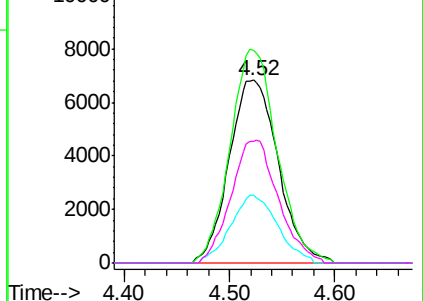


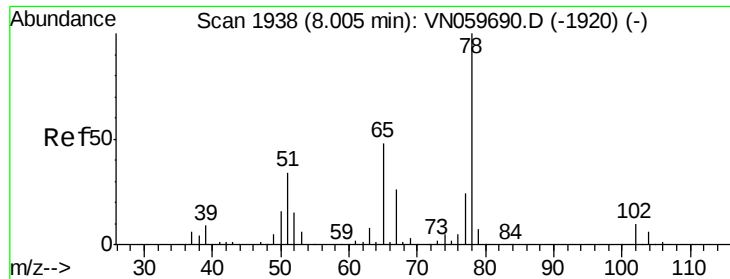
Abundance Ion 83.90 (83.60 to 84.60): VNO

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

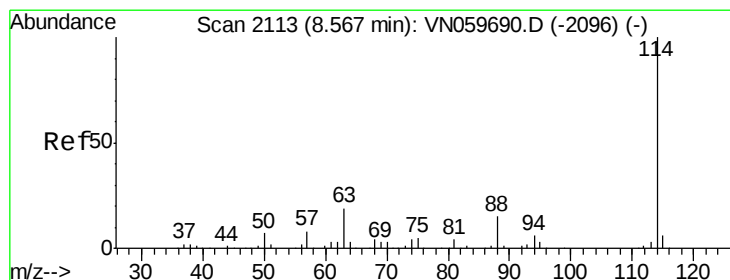
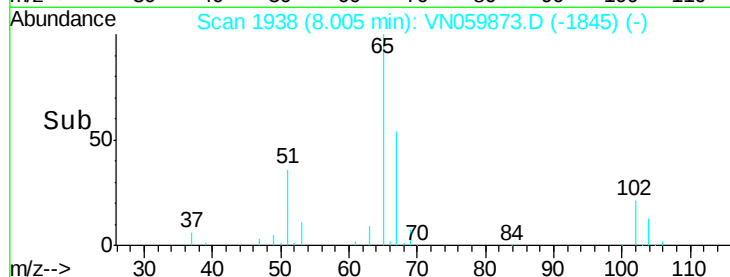
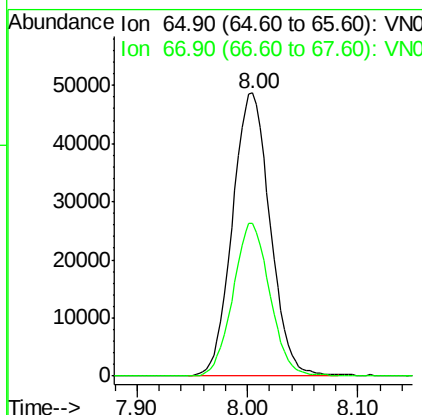
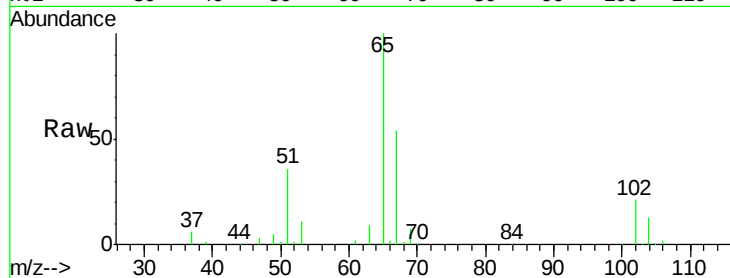




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.230 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN059873.D  
 Acq: 27 Jan 2020 15:29

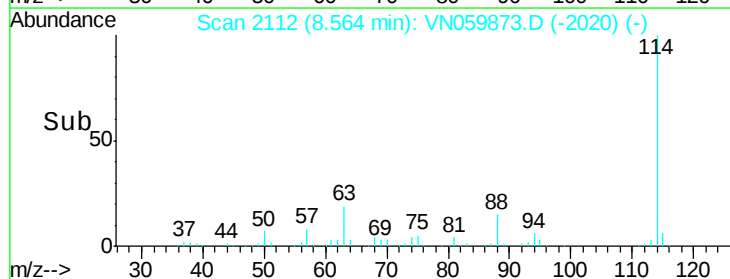
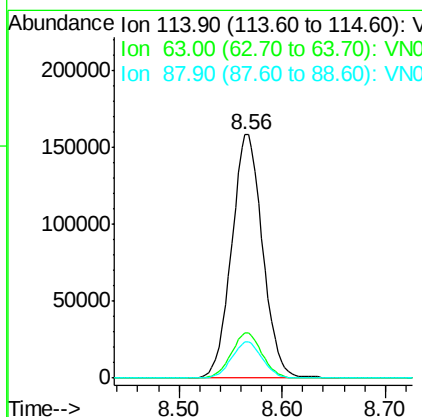
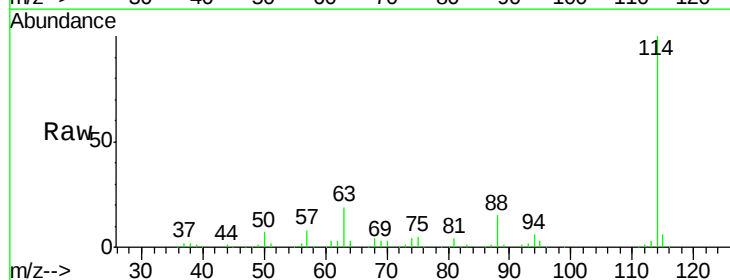
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-01-012420

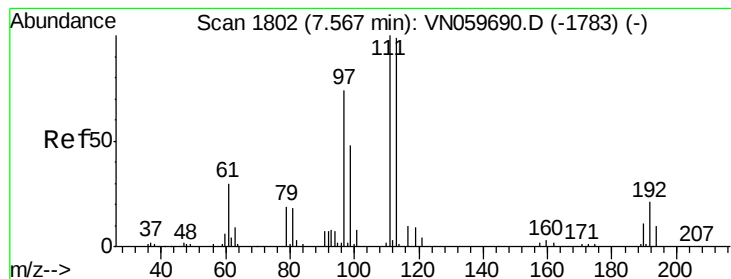
Tot Ion: 65 Resp: 115275  
 Ion Ratio Lower Upper  
 65 100  
 67 52.8 0.0 103.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.56 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: VN059873.D  
 Acq: 27 Jan 2020 15:29

Tgt Ion: 114 Resp: 330860  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 43.6  
 88 14.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059873.D

Acq: 27 Jan 2020 15:29

Instrument :

MSVOA\_N

ClientSampleId :

OK-01-012420

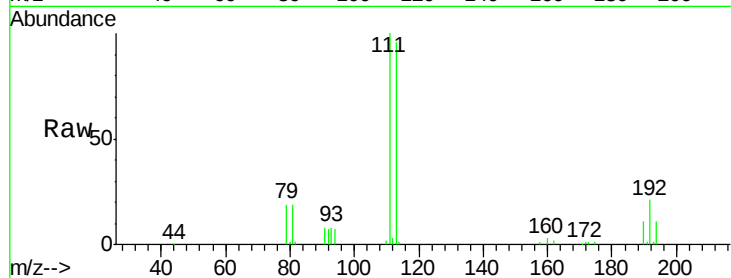
Tot Ion:113 Resp: 98453

Ion Ratio Lower Upper

113 100

111 101.9 83.5 125.3

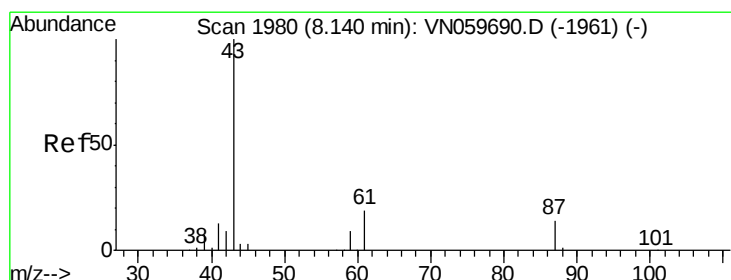
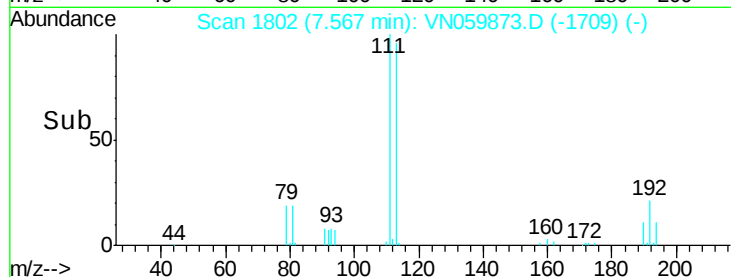
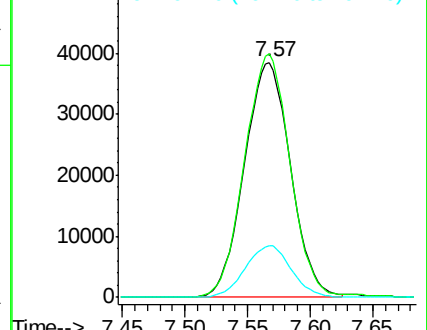
192 21.9 15.4 23.2



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: 8.959 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059873.D

Acq: 27 Jan 2020 15:29

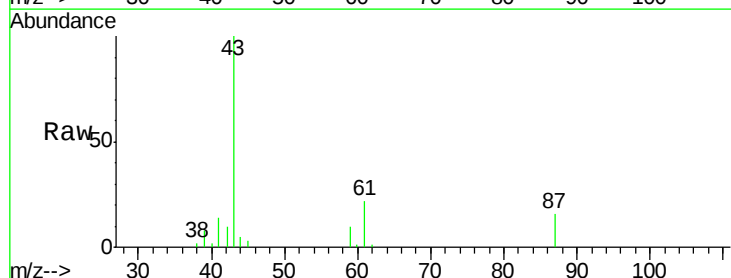
Tgt Ion: 43 Resp: 41641

Ion Ratio Lower Upper

43 100

61 20.8 20.2 30.2

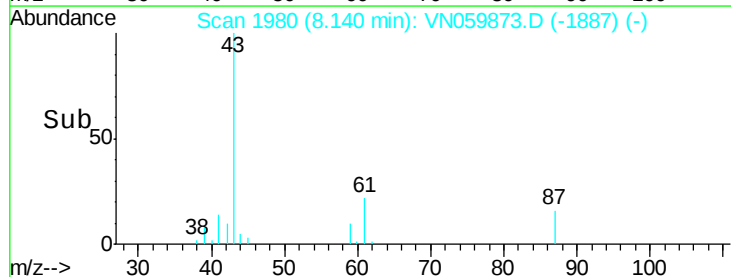
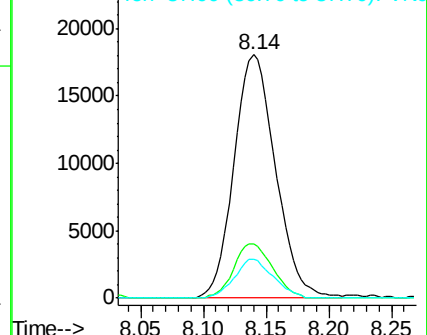
87 14.9 9.5 14.3#

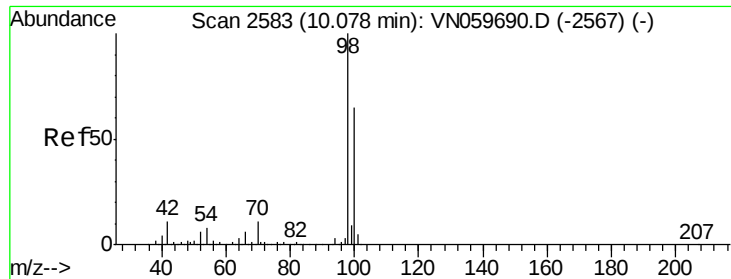


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.516 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059873.D

Acq: 27 Jan 2020 15:29

Instrument :

MSVOA\_N

ClientSampleId :

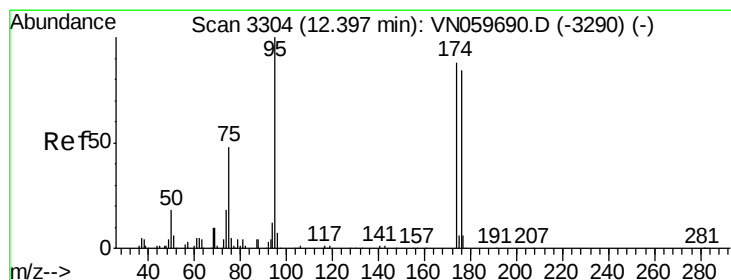
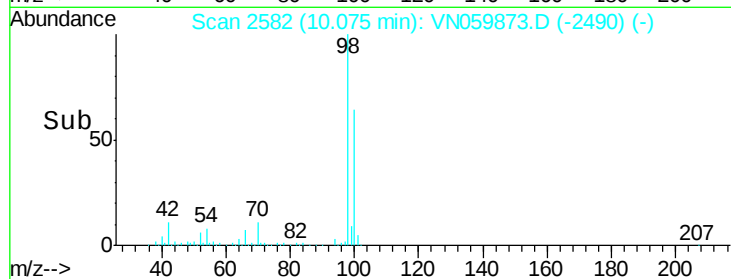
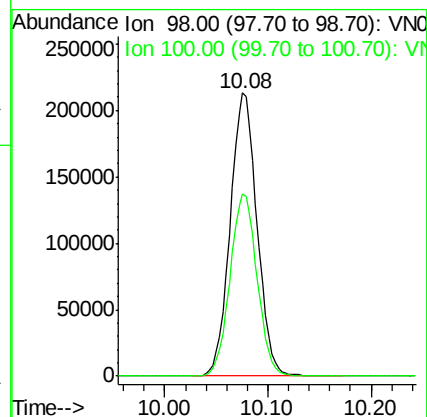
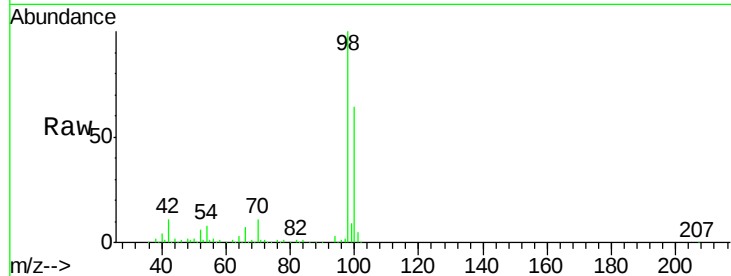
OK-01-012420

Tot Ion: 98 Resp: 386177

Ion Ratio Lower Upper

98 100

100 64.8 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 46.605 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059873.D

Acq: 27 Jan 2020 15:29

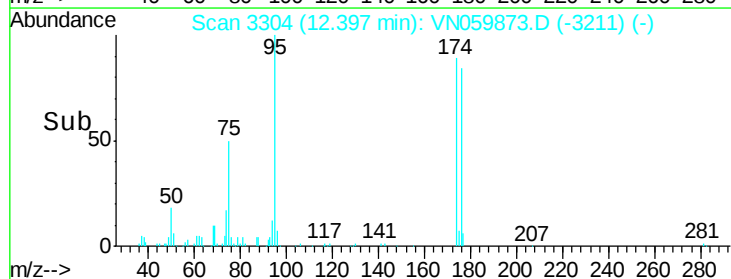
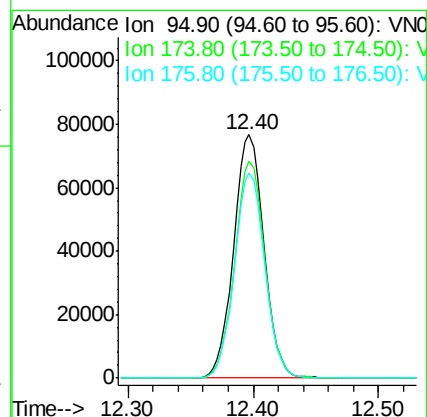
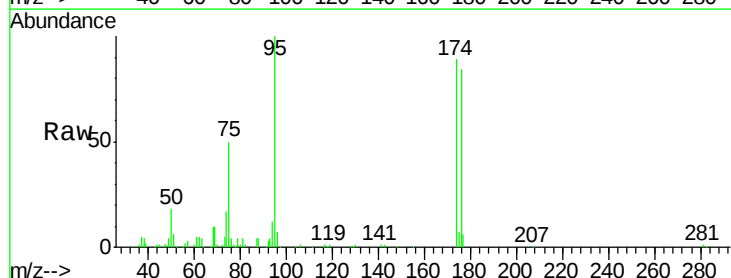
Tgt Ion: 95 Resp: 128438

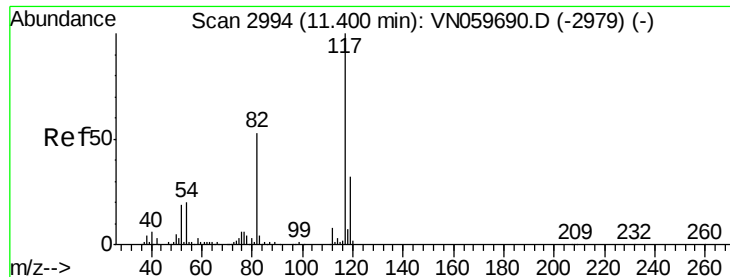
Ion Ratio Lower Upper

95 100

174 89.0 0.0 151.4

176 84.7 0.0 146.0

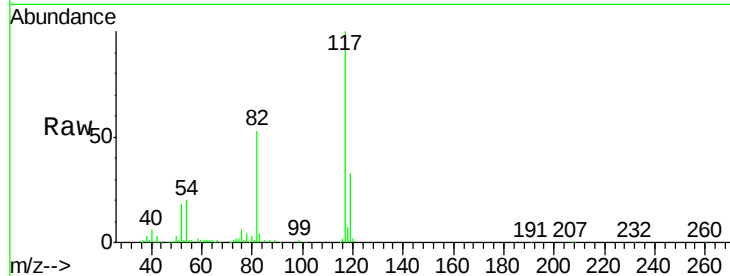




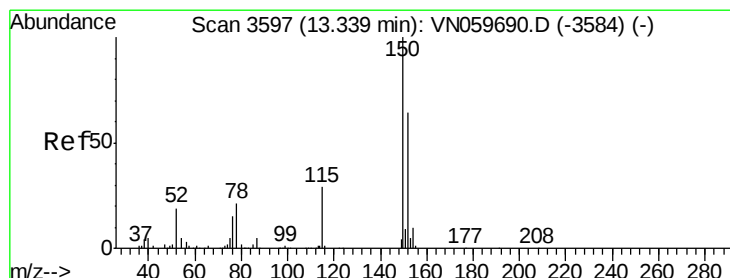
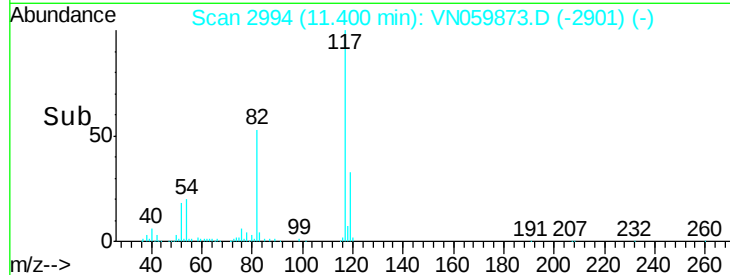
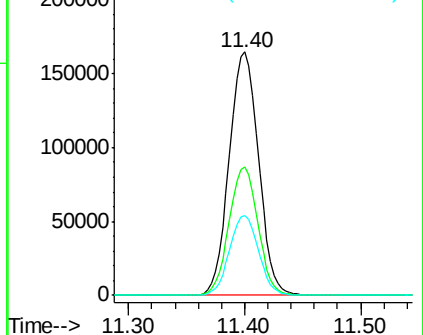
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. 0.00 min  
Lab File: VN059873.D  
Acq: 27 Jan 2020 15:29

Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-01-012420

Tot Ion:117 Resp: 288947  
Ion Ratio Lower Upper  
117 100  
82 52.8 45.9 68.9  
119 32.8 25.5 38.3

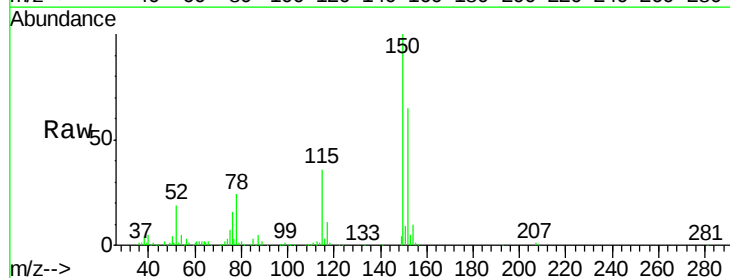


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. 0.00 min  
Lab File: VN059873.D  
Acq: 27 Jan 2020 15:29

Tgt Ion:152 Resp: 122196  
Ion Ratio Lower Upper  
152 100  
115 56.9 30.3 90.9  
150 154.7 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

