

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\  
 Data File : VN060212.D  
 Acq On : 24 Feb 2020 16:02  
 Operator : JC/MD  
 Sample : L1593-02DL 5X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STOCKPILEDL

Quant Time: Feb 24 18:01:15 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 12 14:12:21 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 190430   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 293546   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 280498   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 126246   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 112543   | 48.57  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 97.14%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 90551    | 50.18  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.36% |          |
| 50) Toluene-d8              | 10.08 | 98   | 358062   | 50.39  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 100.78% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 129148   | 49.46  | ug/l    | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |         |          |
|                             |       |      | Recovery | =      | 98.92%  |          |

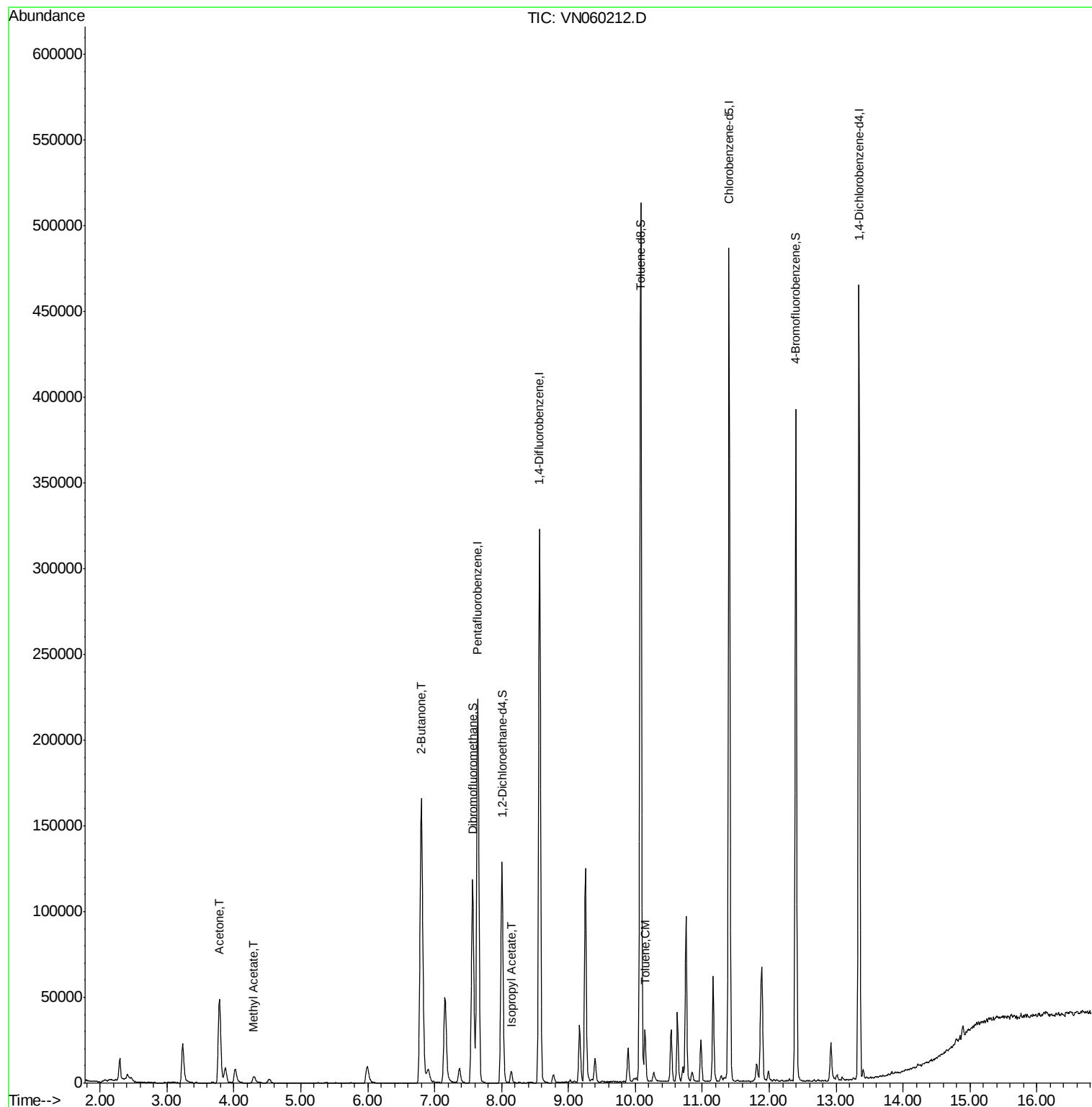
| Target Compounds      | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|-----------------------|-------|------|----------|---------|--------|--------|
| 16) Acetone           | 3.78  | 43   | 84571    | 83.671  | ug/l   | 98     |
| 18) Methyl Acetate    | 4.29  | 43   | 7982     | 4.204   | ug/l   | 93     |
| 25) 2-Butanone        | 6.80  | 43   | 297076   | 233.697 | ug/l   | 98     |
| 43) Isopropyl Acetate | 8.14  | 43   | 8289     | 1.973   | ug/l # | 87     |
| 52) Toluene           | 10.15 | 92   | 12540    | 2.425   | ug/l   | 97     |

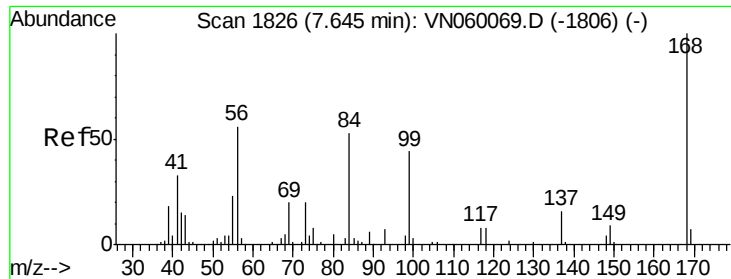
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022420\  
Data File : VN060212.D  
Acq On : 24 Feb 2020 16:02  
Operator : JC/MD  
Sample : L1593-02DL 5X  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STOCKPIEDL

Quant Time: Feb 24 18:01:15 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N021220W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 12 14:12:21 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: VN060212.D

Acq: 24 Feb 2020 16:02

Instrument :

MSVOA\_N

ClientSampleId :

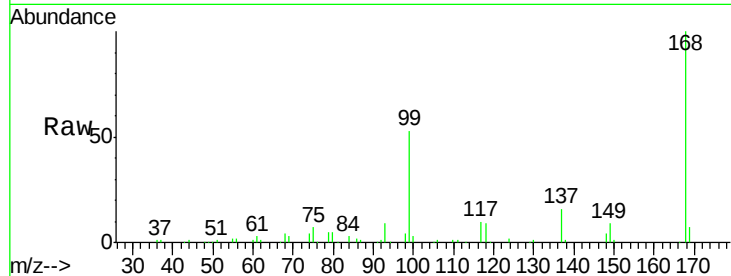
STOCKPILEDL

Tot Ion:168 Resp: 190430

Ion Ratio Lower Upper

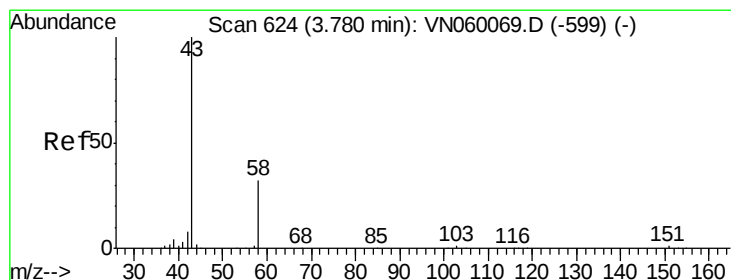
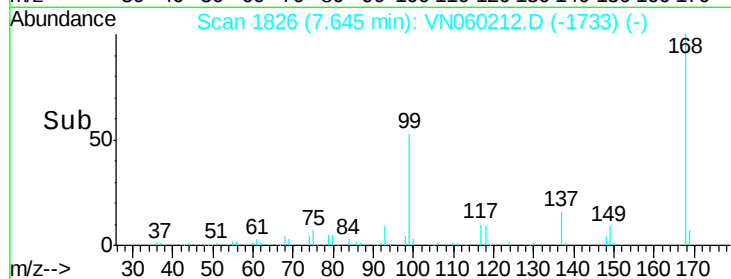
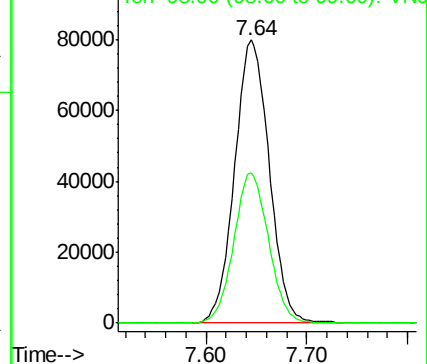
168 100

99 53.2 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 83.671 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060212.D

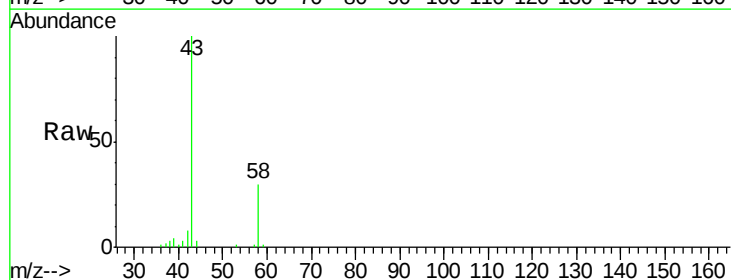
Acq: 24 Feb 2020 16:02

Tgt Ion: 43 Resp: 84571

Ion Ratio Lower Upper

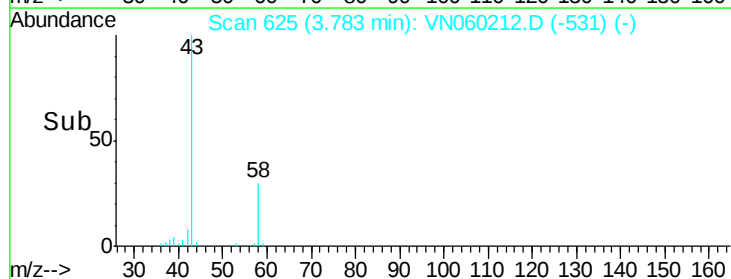
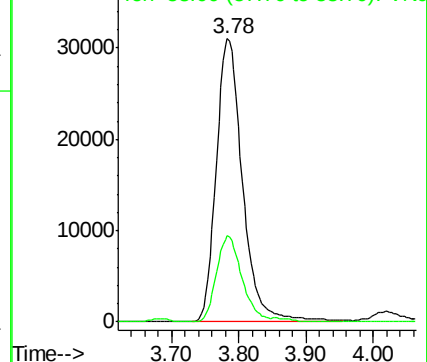
43 100

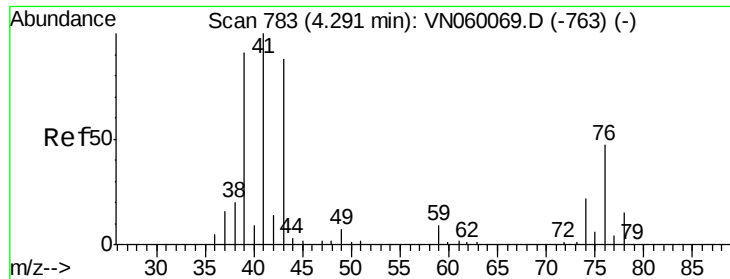
58 30.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

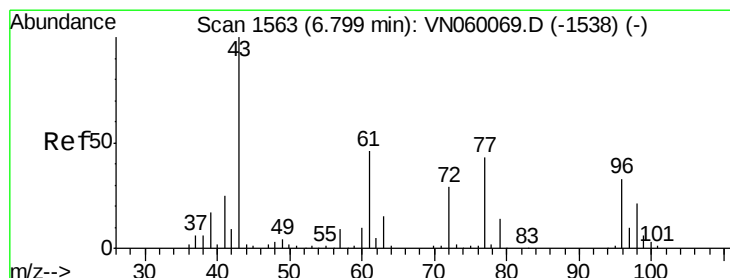
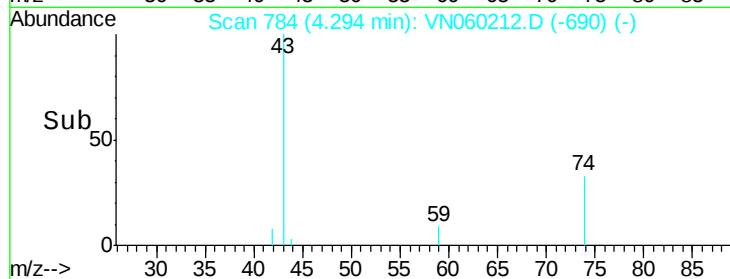
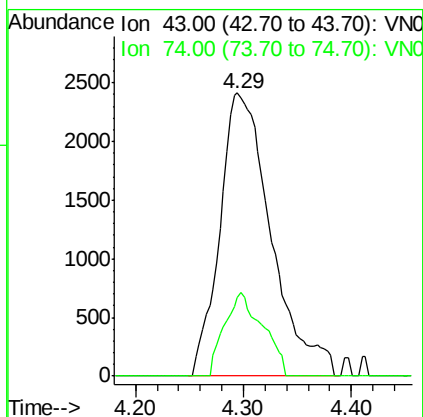
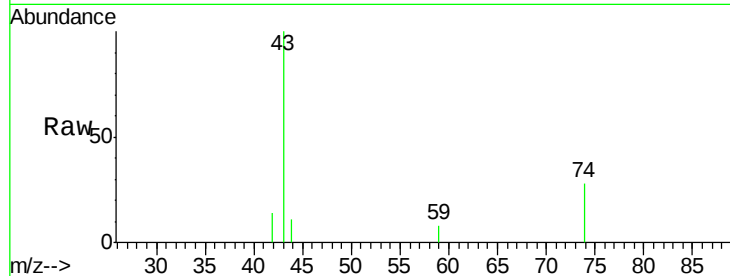




#18  
Methyl Acetate  
Concen: 4.204 ug/l  
RT: 4.29 min Scan# 784  
Delta R.T. 0.00 min  
Lab File: VN060212.D  
Acq: 24 Feb 2020 16:02

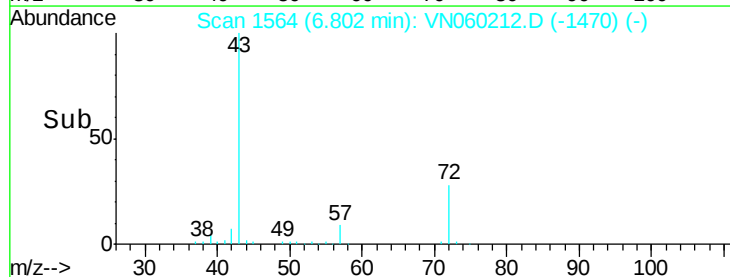
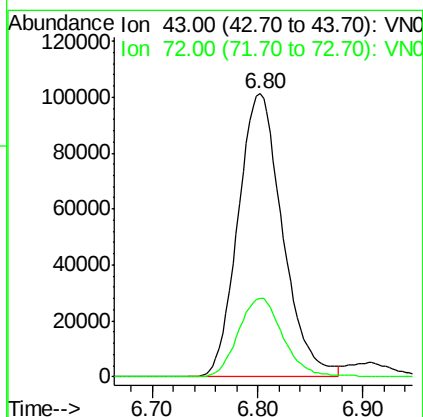
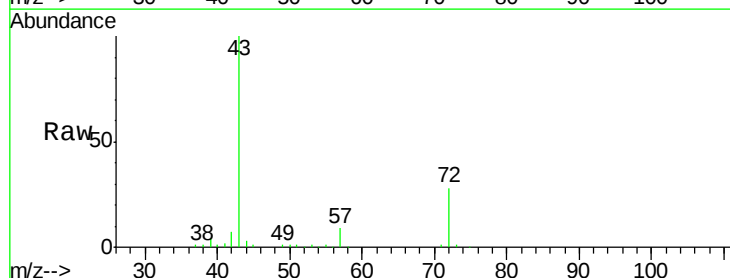
Instrument :  
MSVOA\_N  
ClientSampleID :  
STOCKPILEDL

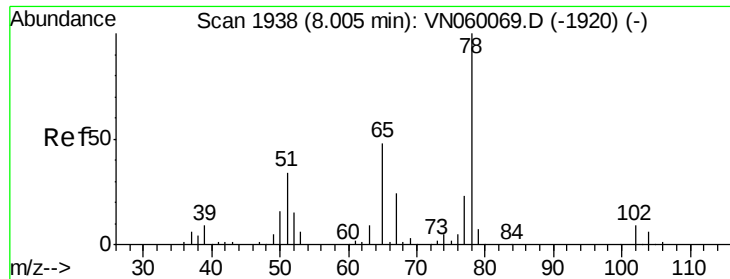
Tot Ion: 43 Resp: 7982  
Ion Ratio Lower Upper  
43 100  
74 22.1 20.3 30.5



#25  
2-Butanone  
Concen: 233.697 ug/l  
RT: 6.80 min Scan# 1564  
Delta R.T. 0.00 min  
Lab File: VN060212.D  
Acq: 24 Feb 2020 16:02

Tgt Ion: 43 Resp: 297076  
Ion Ratio Lower Upper  
43 100  
72 28.0 23.3 34.9

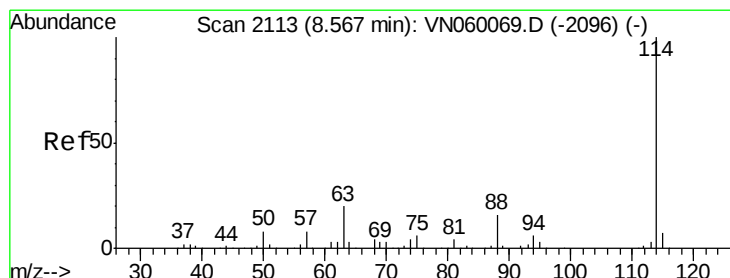
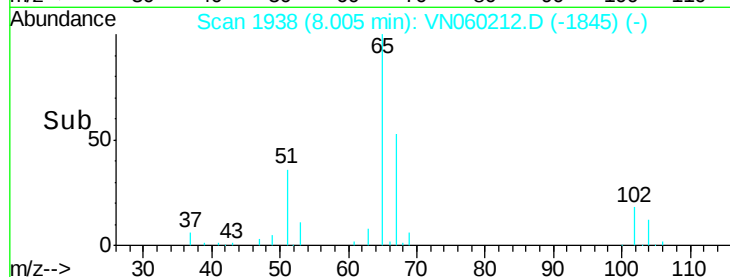
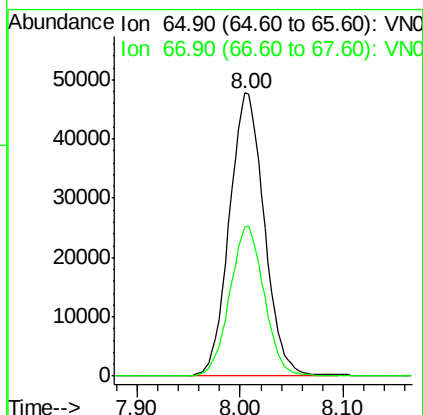
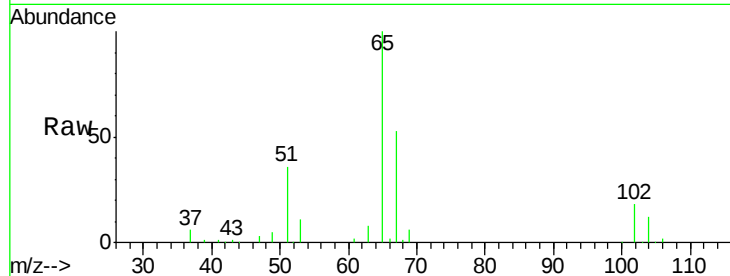




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.568 ug/l  
 RT: 8.00 min Scan# 1938  
 Delta R.T. 0.00 min  
 Lab File: VN060212.D  
 Acq: 24 Feb 2020 16:02

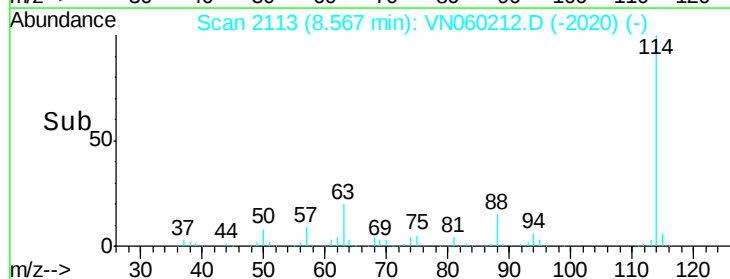
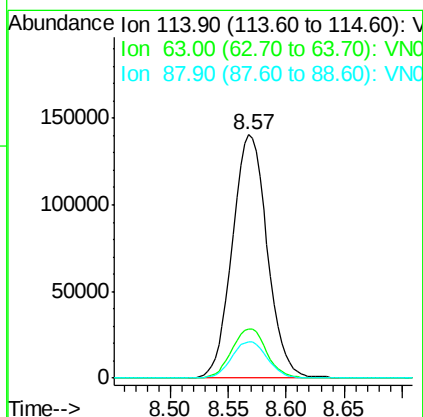
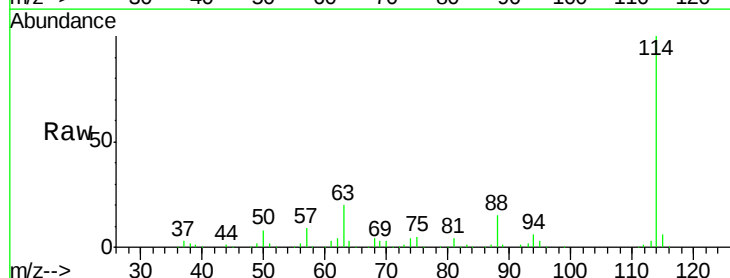
Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 STOCKPILEDL

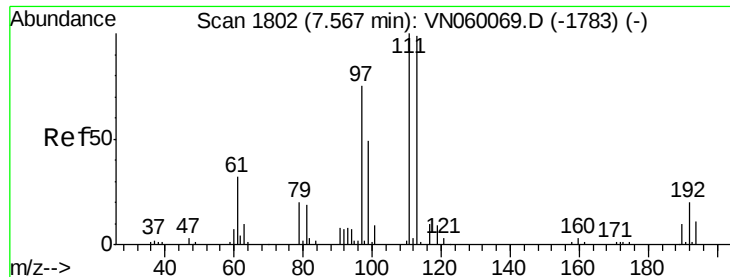
Tot Ion: 65 Resp: 112543  
 Ion Ratio Lower Upper  
 65 100  
 67 51.9 0.0 104.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. 0.00 min  
 Lab File: VN060212.D  
 Acq: 24 Feb 2020 16:02

Tgt Ion: 114 Resp: 293546  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 40.0  
 88 15.1 0.0 31.6

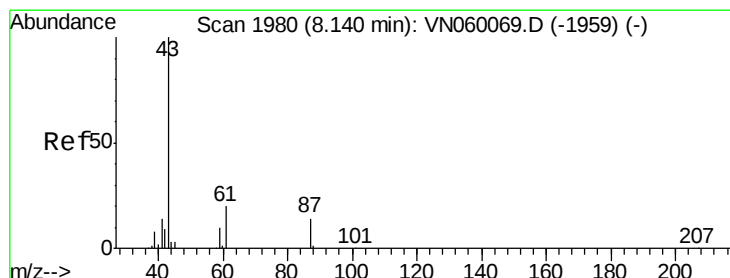
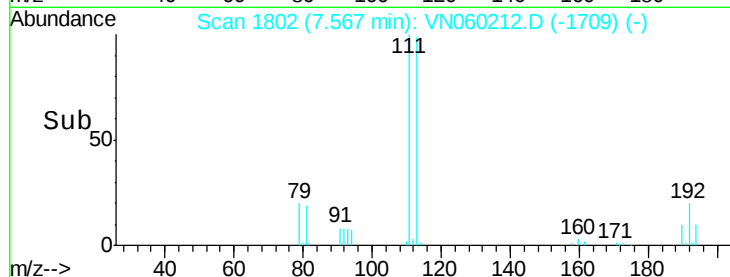
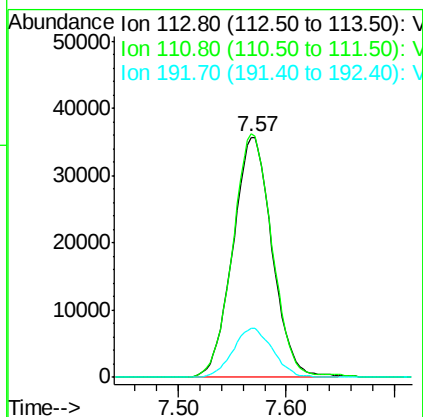
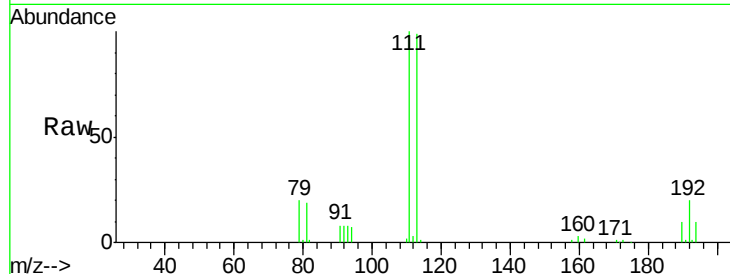




#35  
Dibromofluoromethane  
Concen: 50.183 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN060212.D  
Acq: 24 Feb 2020 16:02

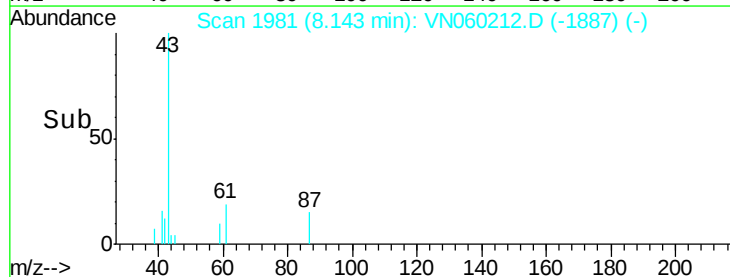
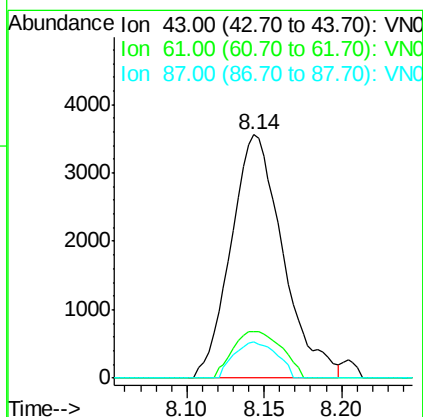
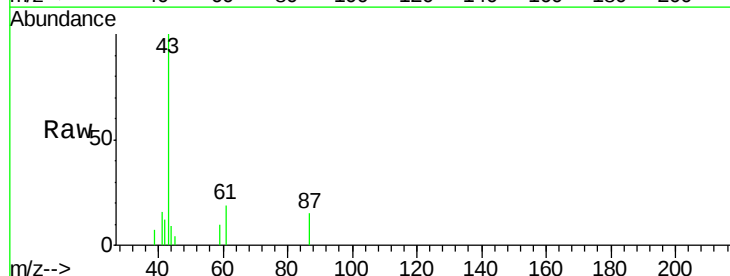
Instrument :  
MSVOA\_N  
ClientSampleId :  
STOCKPILEDL

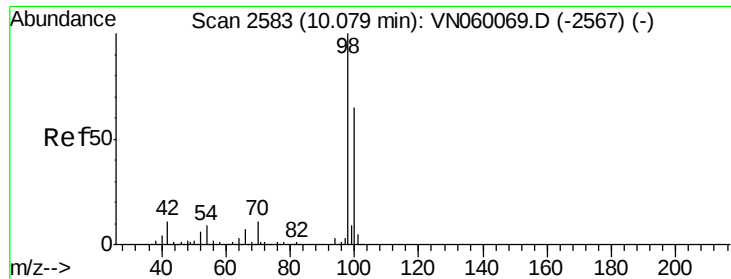
Tot Ion:113 Resp: 90551  
Ion Ratio Lower Upper  
113 100  
111 101.2 81.4 122.2  
192 20.5 16.2 24.2



#43  
Isopropyl Acetate  
Concen: 1.973 ug/l  
RT: 8.14 min Scan# 1981  
Delta R.T. 0.00 min  
Lab File: VN060212.D  
Acq: 24 Feb 2020 16:02

Tgt Ion: 43 Resp: 8289  
Ion Ratio Lower Upper  
43 100  
61 18.1 21.8 32.6#  
87 12.2 11.4 17.2





#50

Toluene-d8

Concen: 50.390 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060212.D

Acq: 24 Feb 2020 16:02

Instrument :

MSVOA\_N

ClientSampleId :

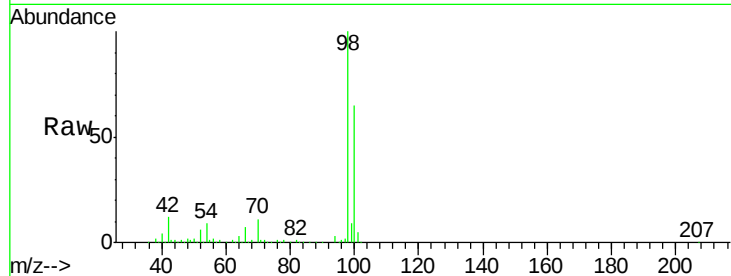
STOCKPILEDL

Tot Ion: 98 Resp: 358062

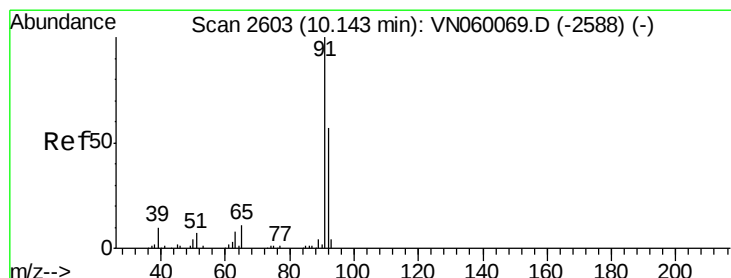
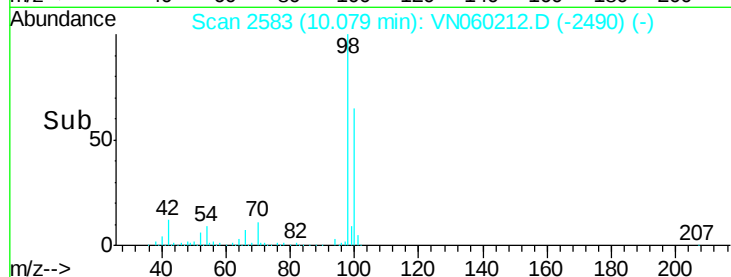
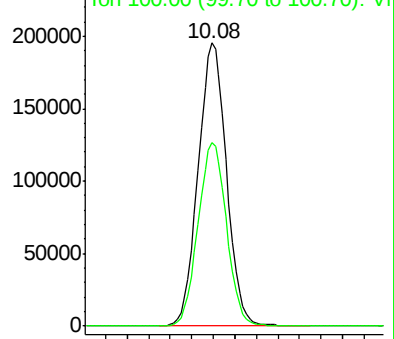
Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN060069.D (-2567) (-)



#52

Toluene

Concen: 2.425 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN060212.D

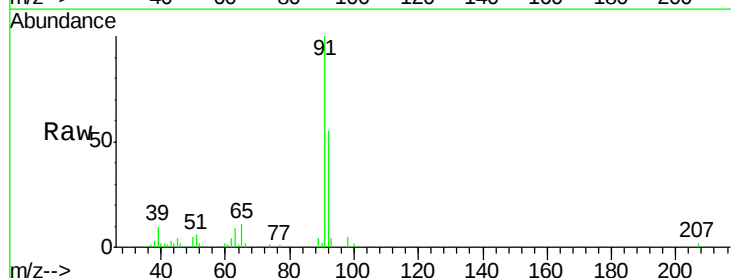
Acq: 24 Feb 2020 16:02

Tgt Ion: 92 Resp: 12540

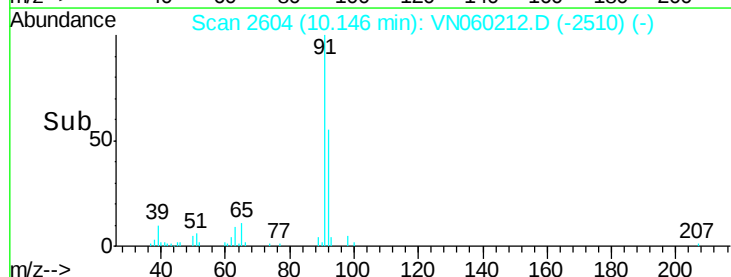
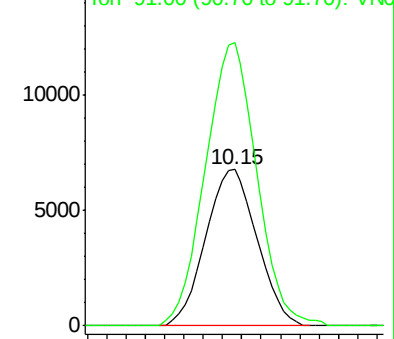
Ion Ratio Lower Upper

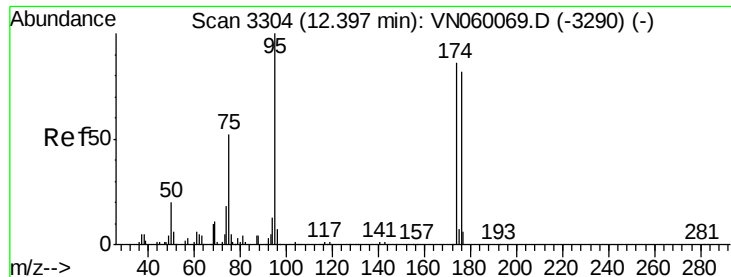
92 100

91 180.7 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)





#62

4-Bromofluorobenzene

Concen: 49.462 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060212.D

Acq: 24 Feb 2020 16:02

Instrument :

MSVOA\_N

ClientSampled :

STOCKPILEDL

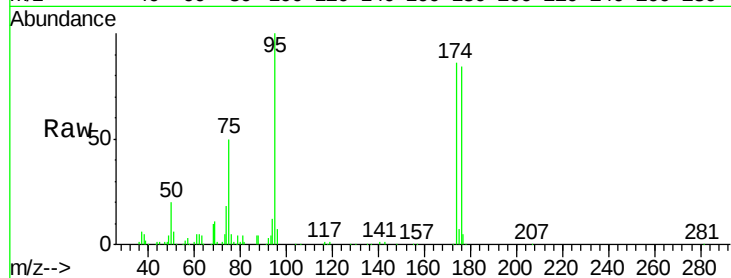
Tot Ion: 95 Resp: 129148

Ion Ratio Lower Upper

95 100

174 86.7 0.0 169.8

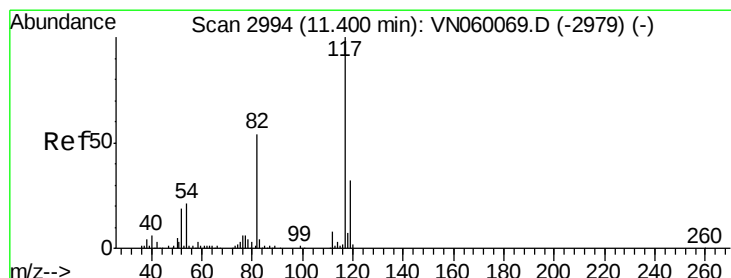
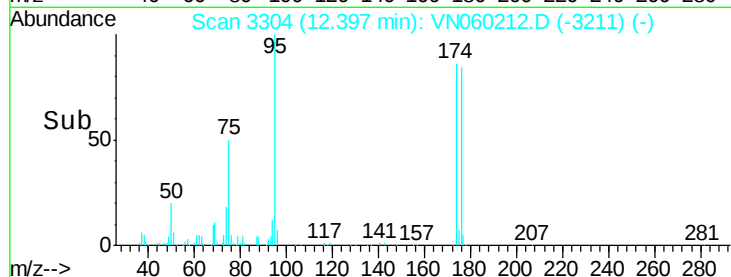
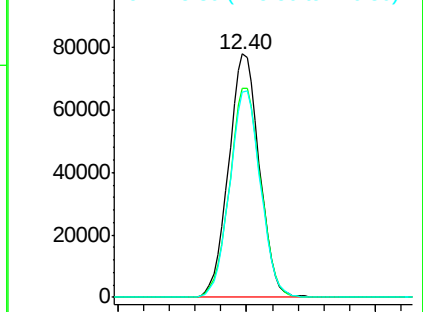
176 84.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060212.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060212.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060212.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060212.D

Acq: 24 Feb 2020 16:02

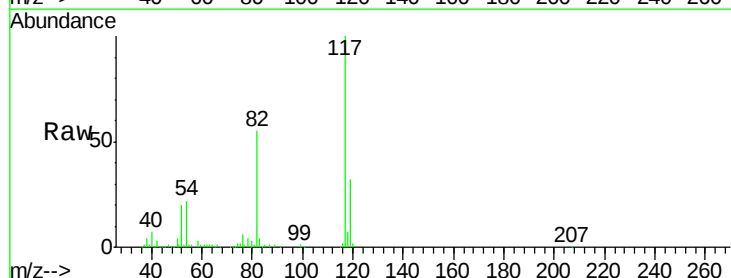
Tgt Ion: 117 Resp: 280498

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

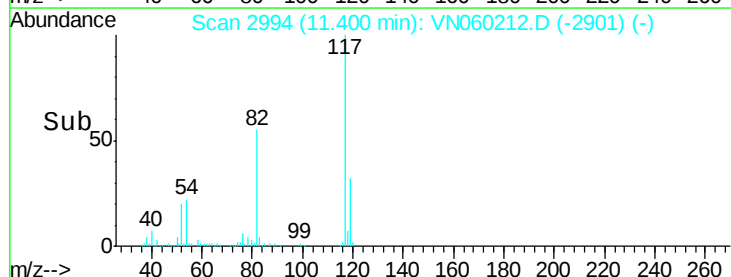
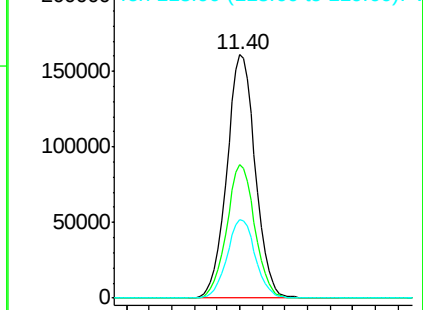
119 32.2 25.8 38.6

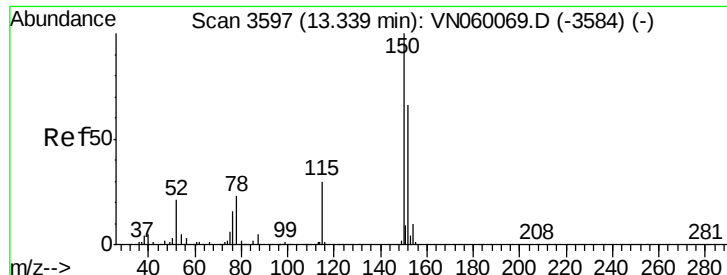


Abundance Ion 116.90 (116.60 to 117.60): VN060212.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060212.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060212.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060212.D

Acq: 24 Feb 2020 16:02

Instrument :

MSVOA\_N

ClientSampleId :

STOCKPILEDL

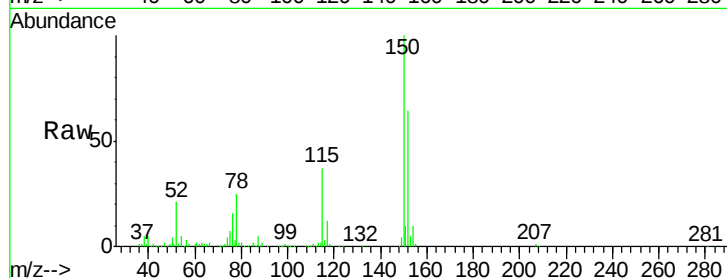
Tot Ion:152 Resp: 126246

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.8

150 158.0 0.0 342.4



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

