

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042920\  
 Data File : VN061188.D  
 Acq On : 29 Apr 2020 13:27  
 Operator : JC/MD  
 Sample : L2415-07DL 10X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ST008RW256-200423DL

Quant Time: Apr 30 14:09:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 29 08:14:26 2020  
 Response via : Initial Calibration

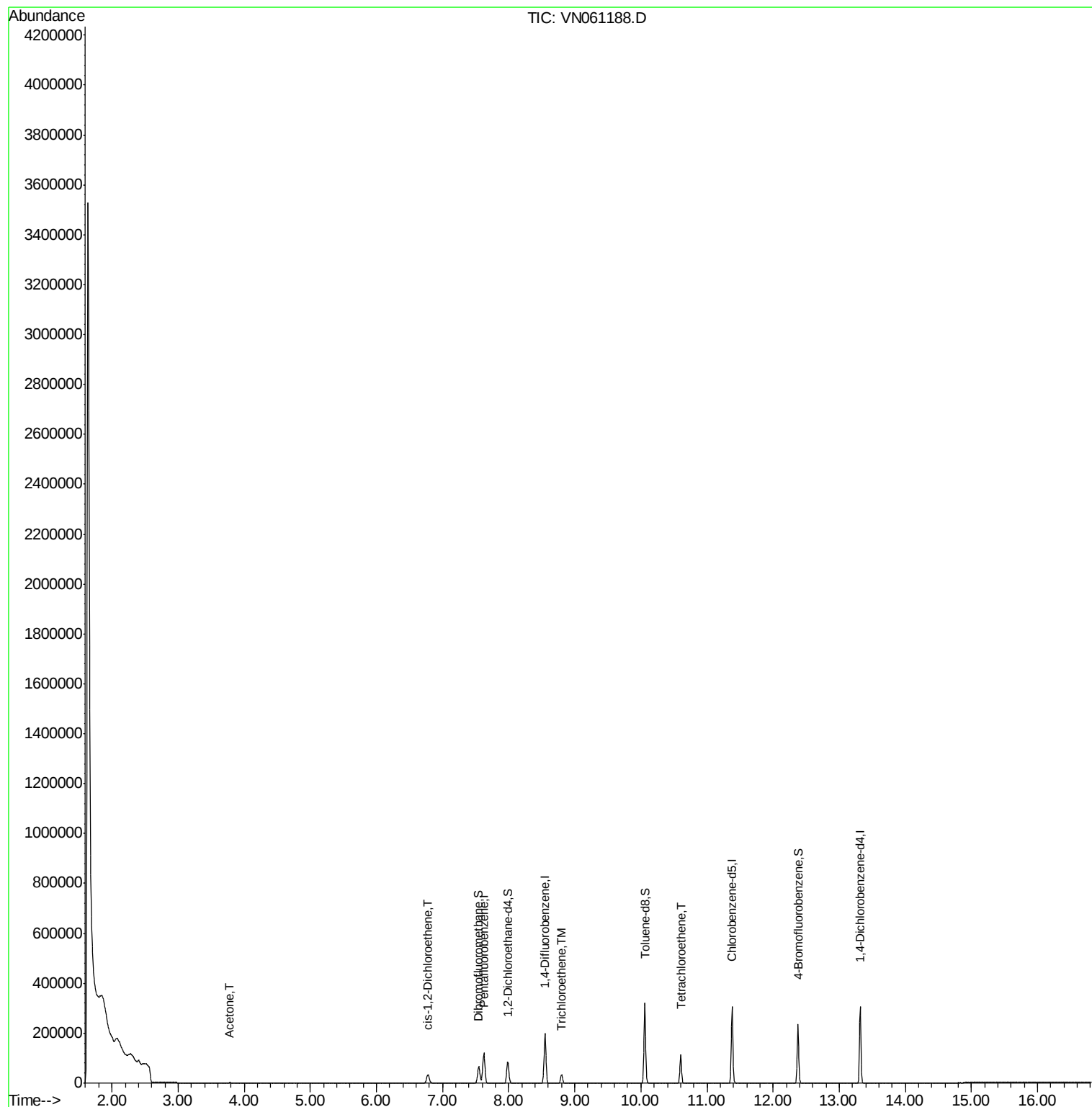
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 94245    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 166026   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 162451   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 73211    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 75621    | 50.71  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.42% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 51348    | 52.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.60% |          |
| 50) Toluene-d8              | 10.06 | 98   | 207763   | 51.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.82% |          |
| 62) 4-Bromofluorobenzene    | 12.37 | 95   | 78663    | 52.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.46% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 3386     | 0.354  | ug/l    | 94       |
| 27) cis-1,2-Dichloroethene  | 6.78  | 96   | 19427    | 15.289 | ug/l    | 87       |
| 44) Trichloroethene         | 8.80  | 130  | 11935    | 8.916  | ug/l    | 94       |
| 64) Tetrachloroethene       | 10.60 | 164  | 24879    | 17.682 | ug/l    | 99       |

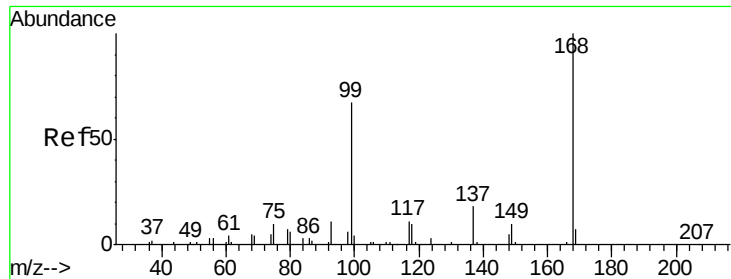
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042920\  
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Quant Title : SW846 8260  
QLast Update : Wed Apr 29 08:14:26 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

Instrument :

MSVOA\_N

ClientSampleId :

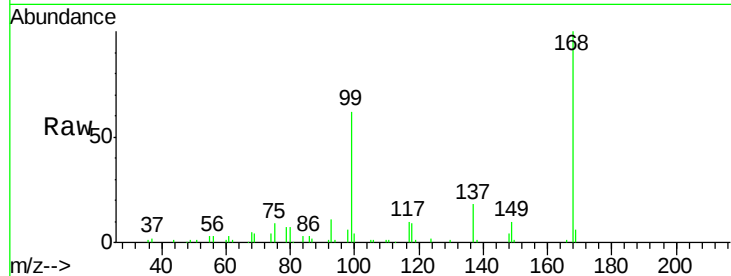
ST008RW256-200423DL

Tot Ion:168 Resp: 94245

Ion Ratio Lower Upper

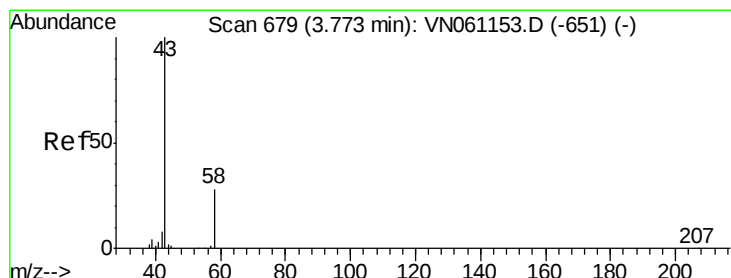
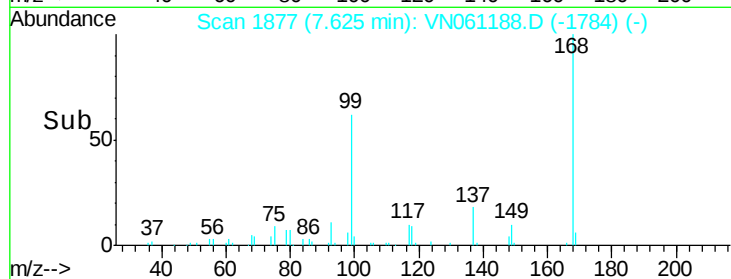
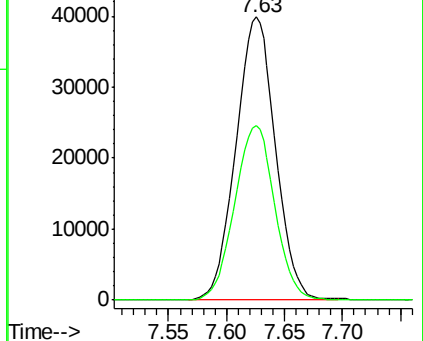
168 100

99 61.7 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.354 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061188.D

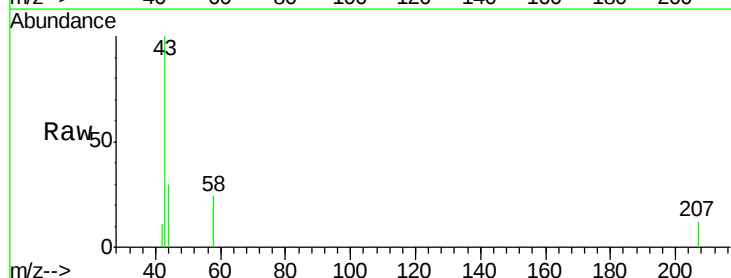
Acq: 29 Apr 2020 13:27

Tgt Ion: 43 Resp: 3386

Ion Ratio Lower Upper

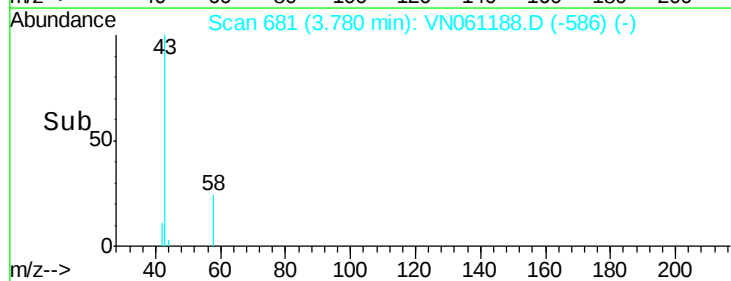
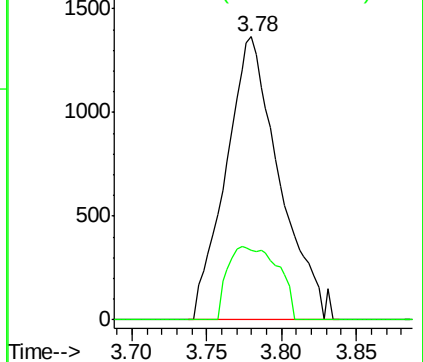
43 100

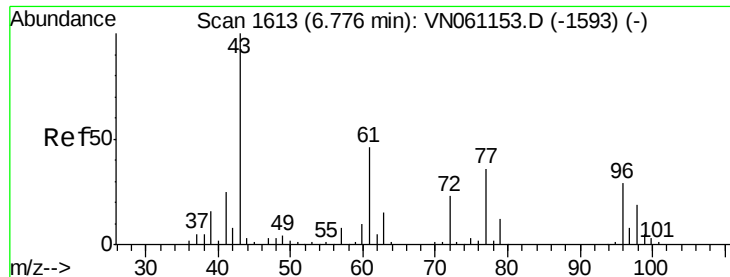
58 24.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#27

cis-1,2-Dichloroethene

Concen: 15.289 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

Instrument :

MSVOA\_N

ClientSampleId :

ST008RW256-200423DL

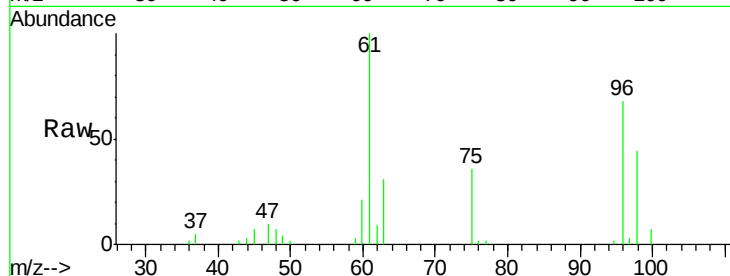
Tot Ion: 96 Resp: 19427

Ion Ratio Lower Upper

96 100

61 139.2 0.0 322.0

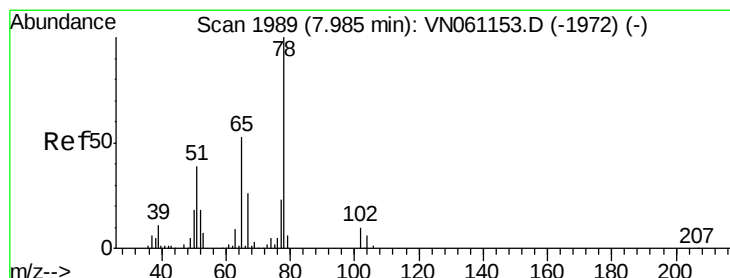
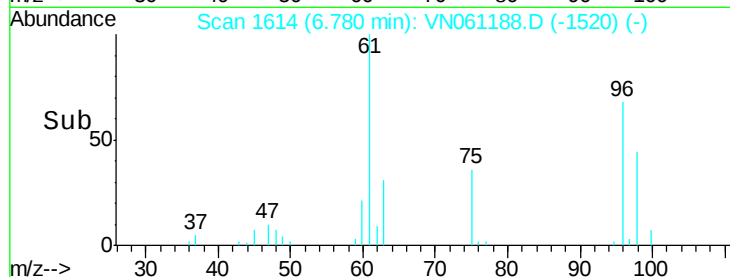
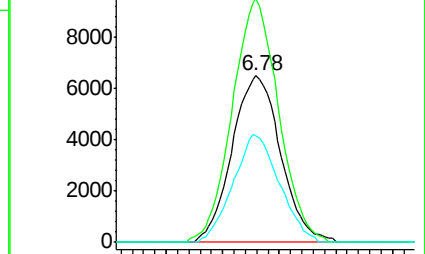
98 61.6 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1593) (-)



#33

1,2-Dichloroethane-d4

Concen: 50.710 ug/l

RT: 7.99 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN061188.D

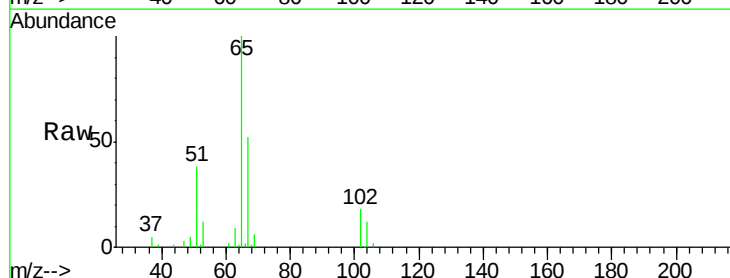
Acq: 29 Apr 2020 13:27

Tgt Ion: 65 Resp: 75621

Ion Ratio Lower Upper

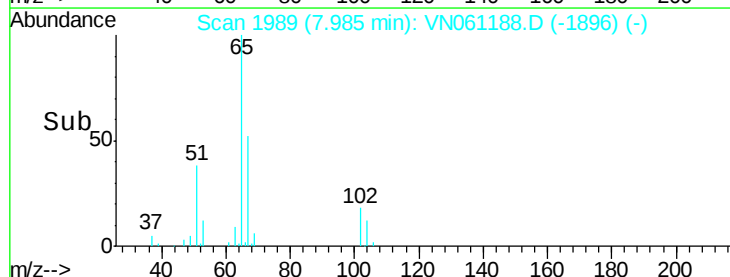
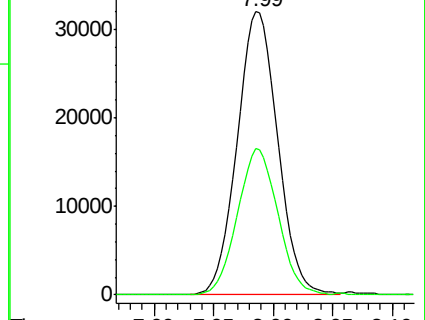
65 100

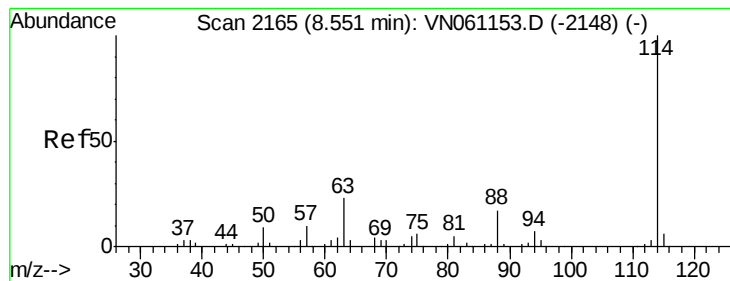
67 51.4 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

Instrument :

MSVOA\_N

ClientSampleId :

ST008RW256-200423DL

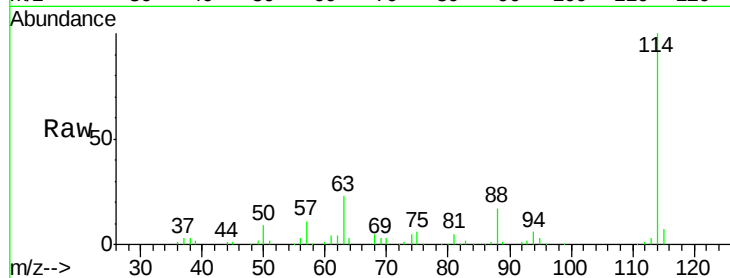
Tot Ion:114 Resp: 166026

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.6

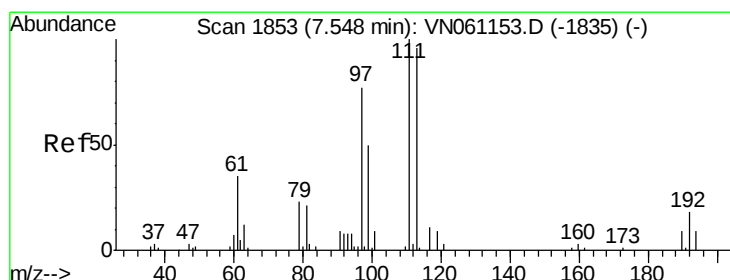
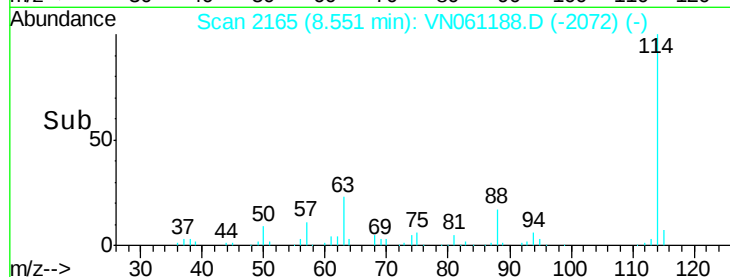
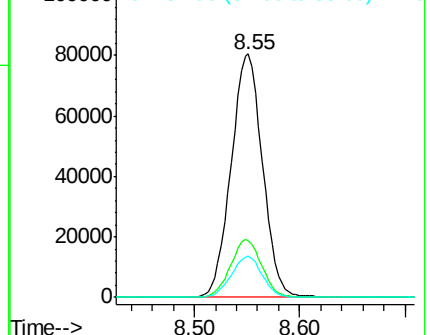
88 16.7 0.0 33.4



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: 52.302 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

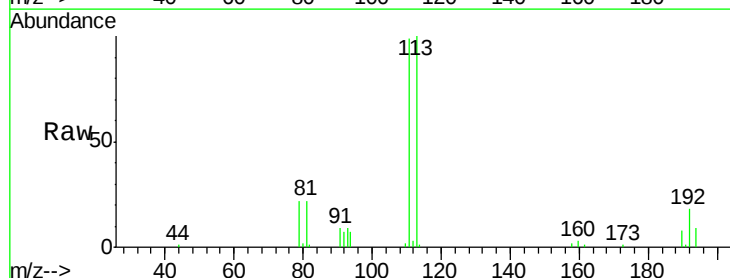
Tgt Ion:113 Resp: 51348

Ion Ratio Lower Upper

113 100

111 101.5 82.9 124.3

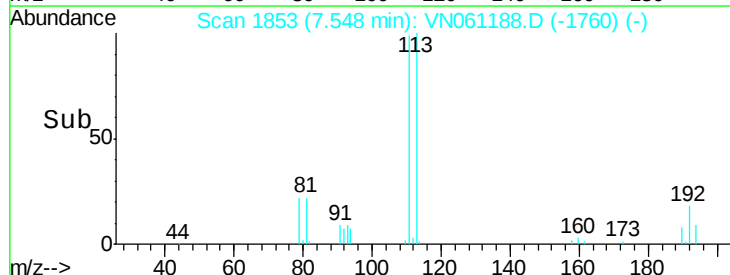
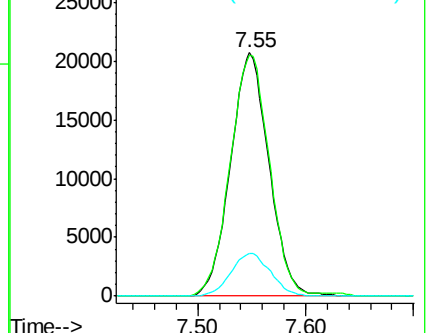
192 18.1 14.7 22.1

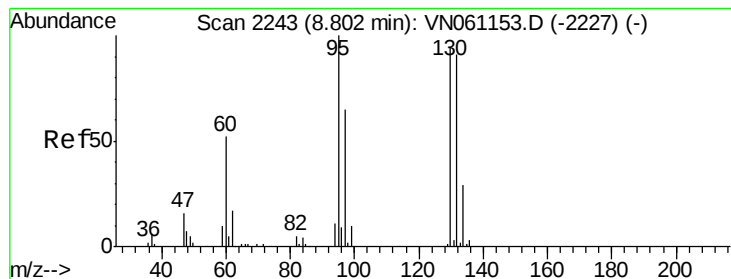


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 8.916 ug/l

RT: 8.80 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

Instrument :

MSVOA\_N

ClientSampleId :

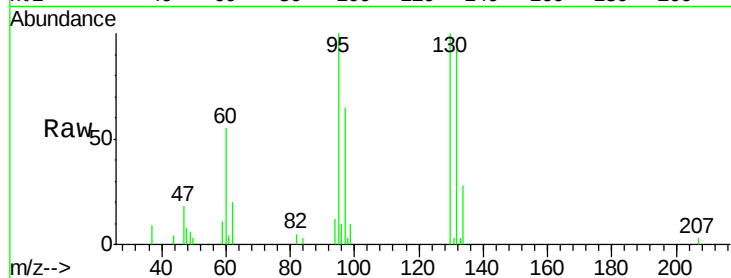
ST008RW256-200423DL

Tot Ion:130 Resp: 11935

Ion Ratio Lower Upper

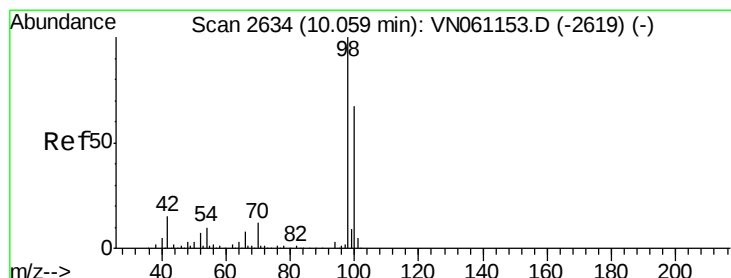
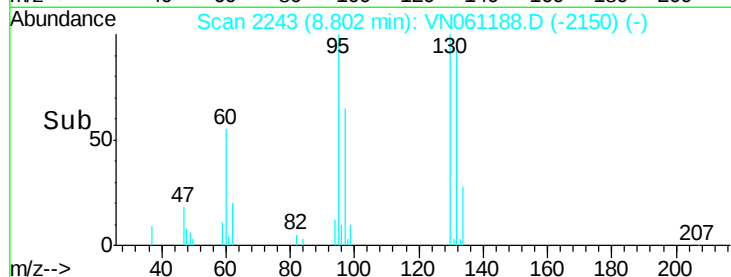
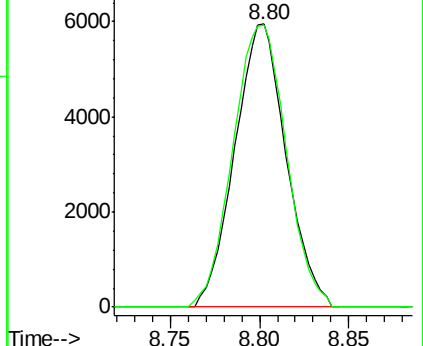
130 100

95 99.7 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 51.913 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061188.D

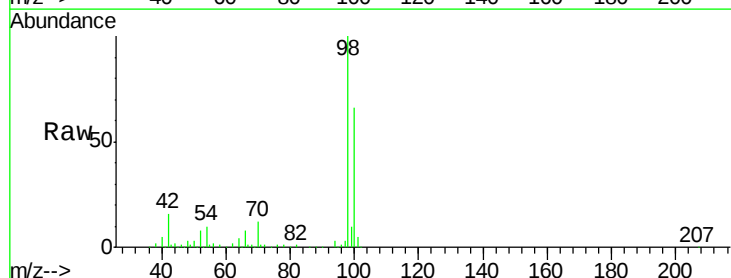
Acq: 29 Apr 2020 13:27

Tgt Ion: 98 Resp: 207763

Ion Ratio Lower Upper

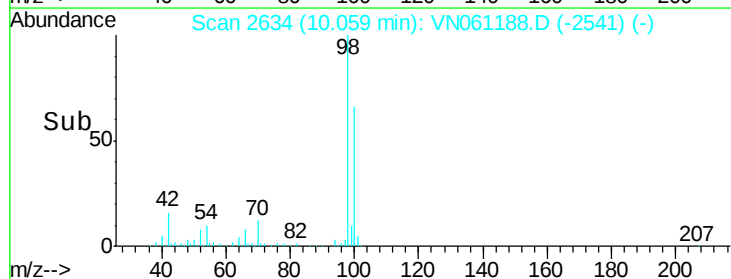
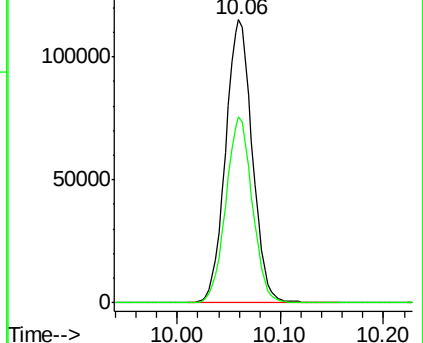
98 100

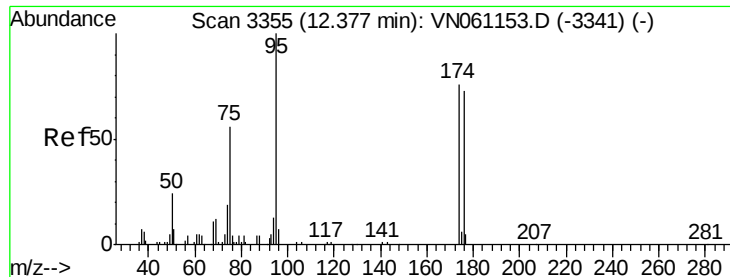
100 65.1 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 52.231 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

Instrument :

MSVOA\_N

ClientSampleId :

ST008RW256-200423DL

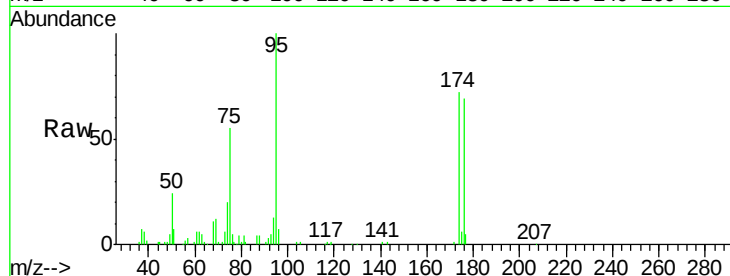
Tot Ion: 95 Resp: 78663

Ion Ratio Lower Upper

95 100

174 74.5 0.0 149.4

176 70.4 0.0 144.8

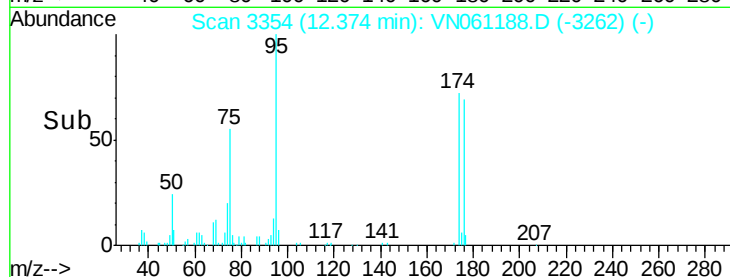


Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)

Time-->

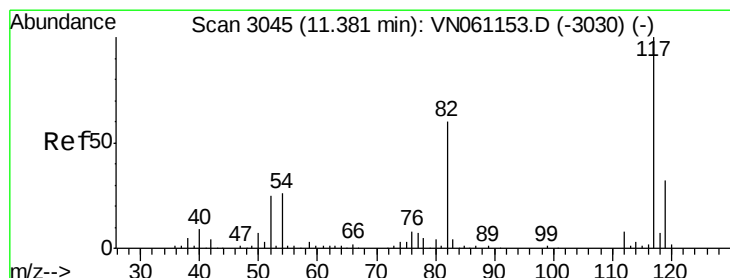


Abundance Ion 94.90 (94.60 to 95.60): VN061188.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061188.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061188.D (-3262) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

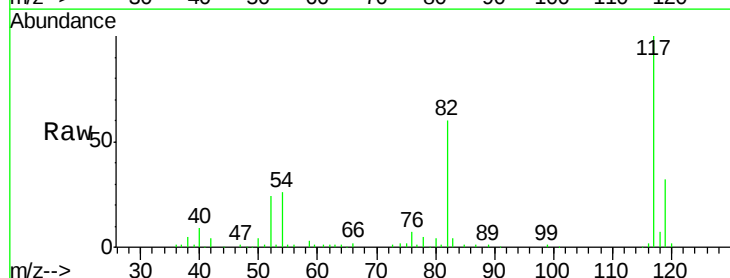
Tgt Ion: 117 Resp: 162451

Ion Ratio Lower Upper

117 100

82 60.0 47.8 71.8

119 32.4 25.8 38.6

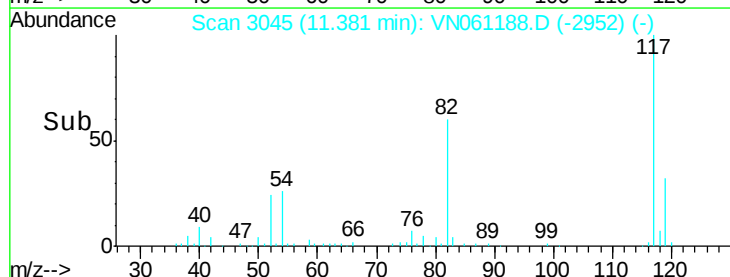


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)

Time-->

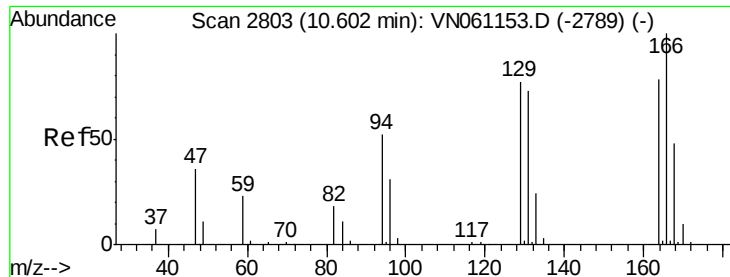


Abundance Ion 116.90 (116.60 to 117.60): VN061188.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061188.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061188.D (-2952) (-)

Time-->



#64

Tetrachloroethene

Concen: 17.682 ug/l

RT: 10.60 min Scan# 2803

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

Instrument :

MSVOA\_N

ClientSampleId :

ST008RW256-200423DL

Tot Ion:164 Resp: 24879

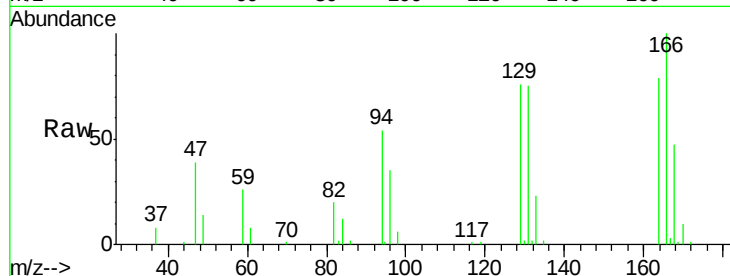
Ion Ratio Lower Upper

164 100

166 126.6 102.0 153.0

129 96.4 78.2 117.2

131 95.2 74.5 111.7

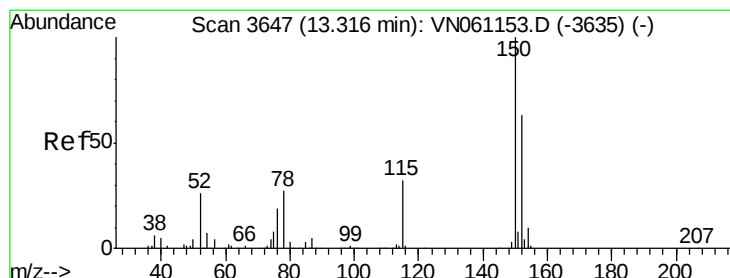
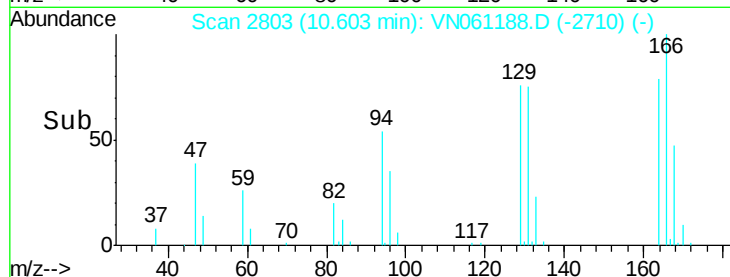
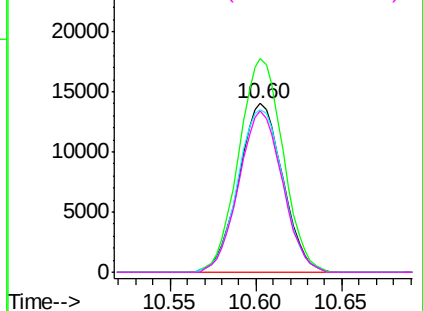


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061188.D

Acq: 29 Apr 2020 13:27

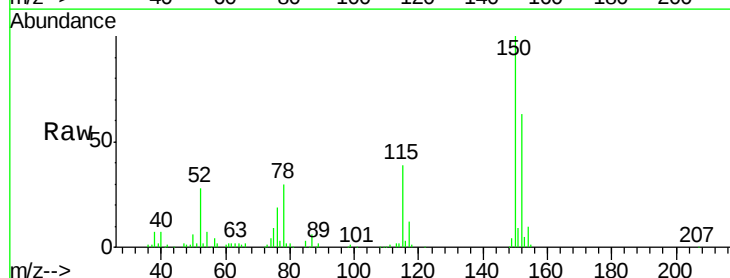
Tgt Ion:152 Resp: 73211

Ion Ratio Lower Upper

152 100

115 63.5 31.0 93.0

150 159.9 0.0 351.8



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

