

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\  
 Data File : VN062688.D  
 Acq On : 31 Jul 2020 16:18  
 Operator : JC/MD  
 Sample : PB130640ZHE#11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130640ZHE#11

Quant Time: Aug 01 06:59:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072120W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 21 18:48:59 2020  
 Response via : Initial Calibration

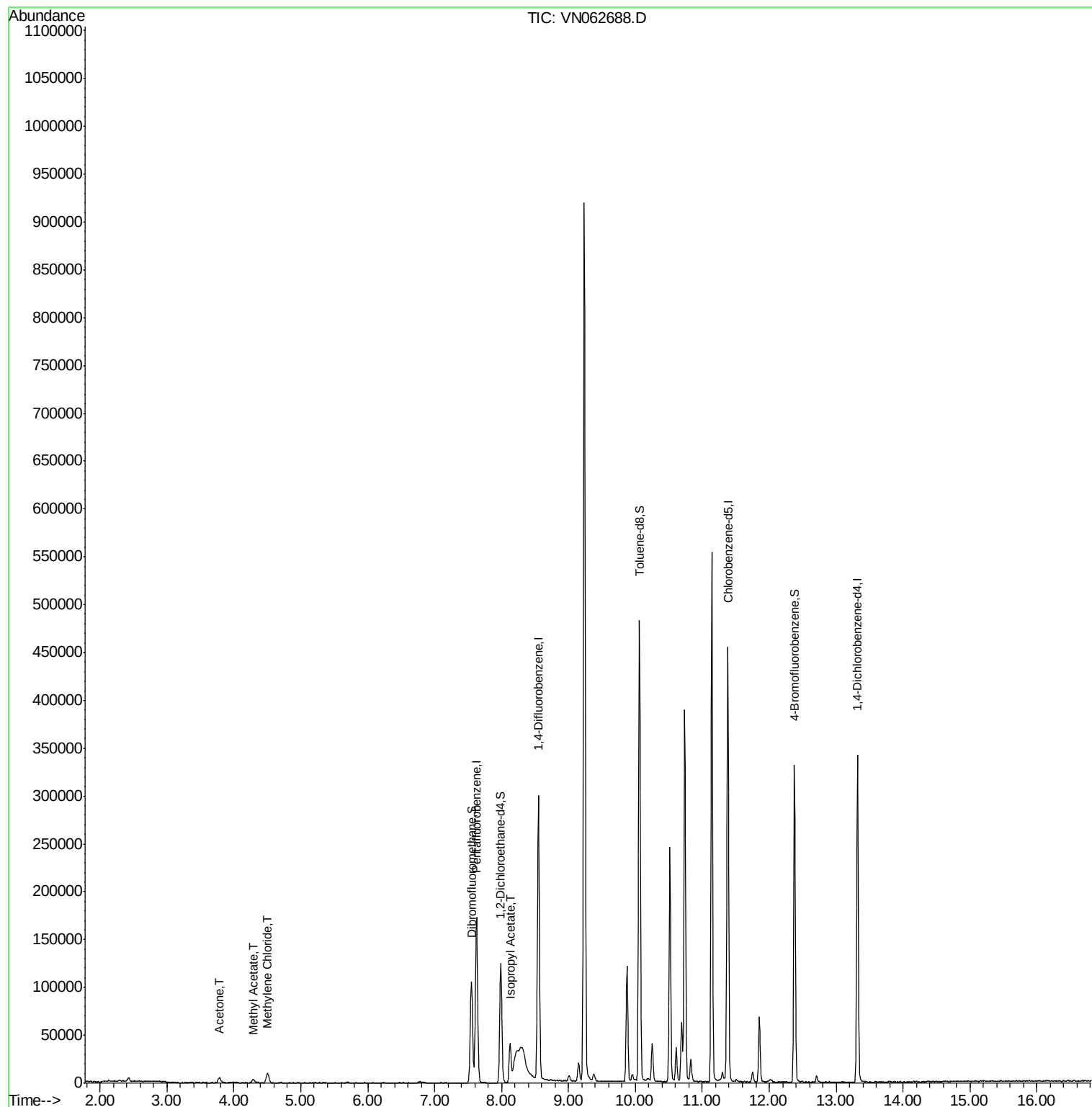
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 127868   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 245058   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 241529   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 86706    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 112898   | 56.84  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 113.68% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 79762    | 49.55  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.10%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 315484   | 49.12  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.24%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 116084   | 49.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.86%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 9787     | 13.093 | ug/l    | 90       |
| 18) Methyl Acetate          | 4.29  | 43   | 7703     | 4.071  | ug/l #  | 72       |
| 20) Methylene Chloride      | 4.50  | 84   | 7502     | 4.185  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 50306    | 11.083 | ug/l #  | 90       |

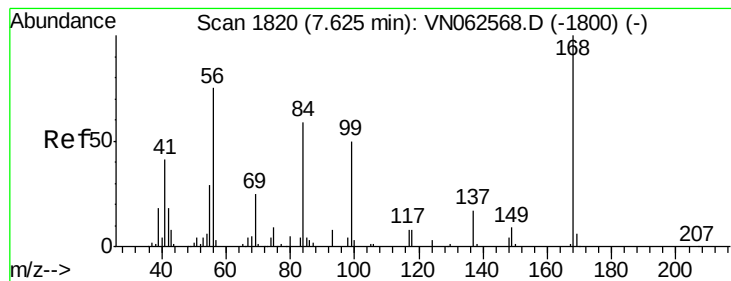
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jul 21 18:48:59 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

Instrument :

MSVOA\_N

ClientSampleId :

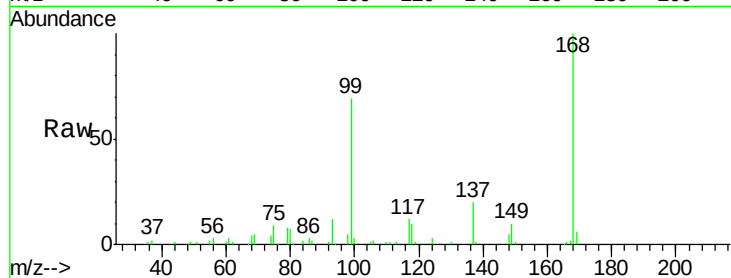
PB130640ZHE#11

Tot Ion:168 Resp: 127868

Ion Ratio Lower Upper

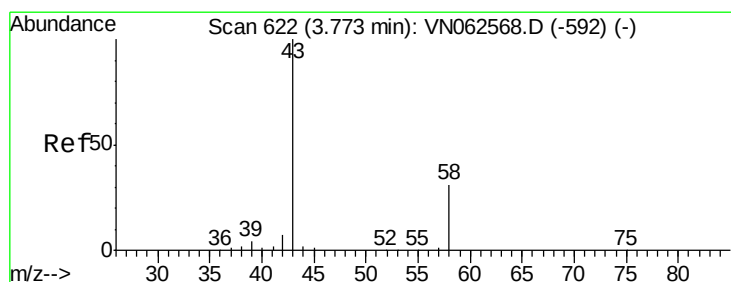
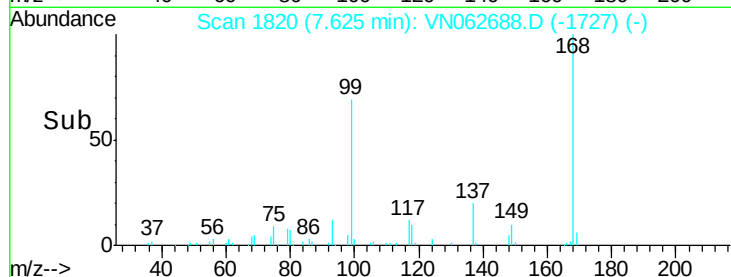
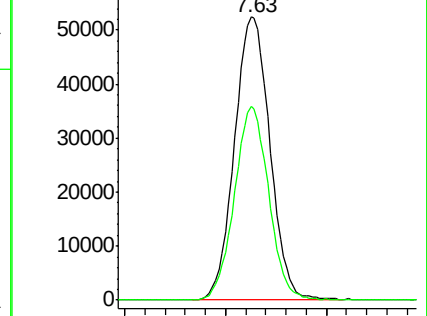
168 100

99 68.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 13.093 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.02 min

Lab File: VN062688.D

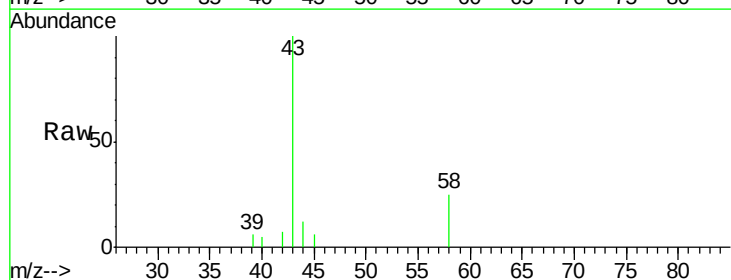
Acq: 31 Jul 2020 16:18

Tgt Ion: 43 Resp: 9787

Ion Ratio Lower Upper

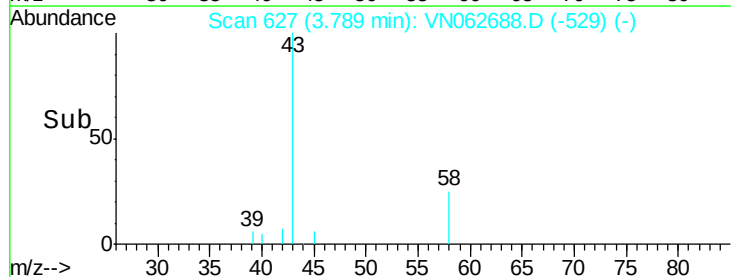
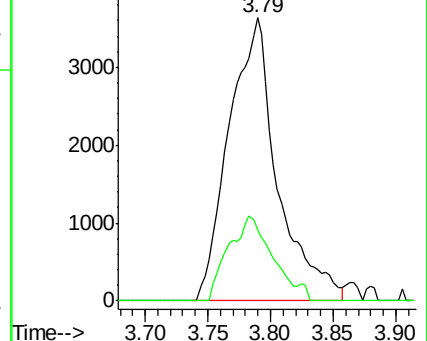
43 100

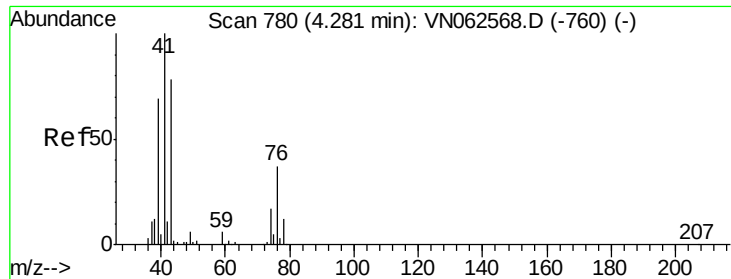
58 25.2 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

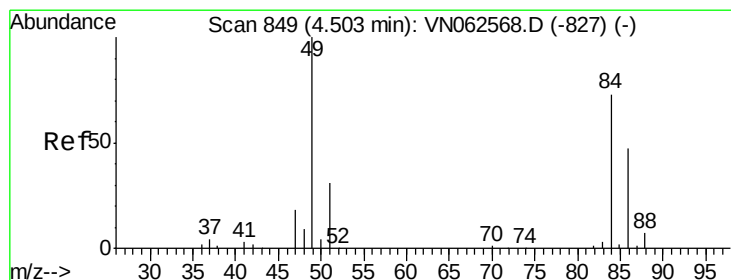
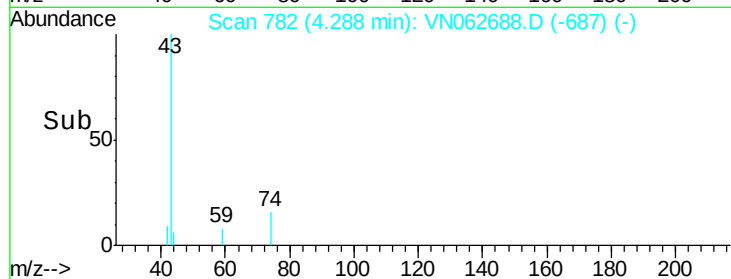
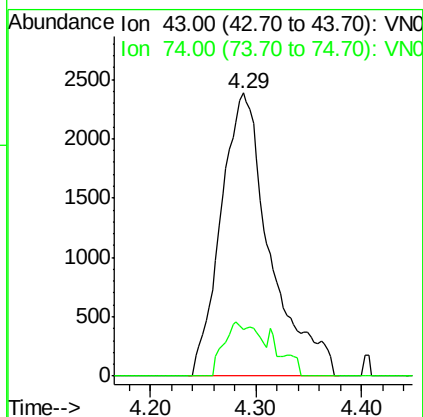
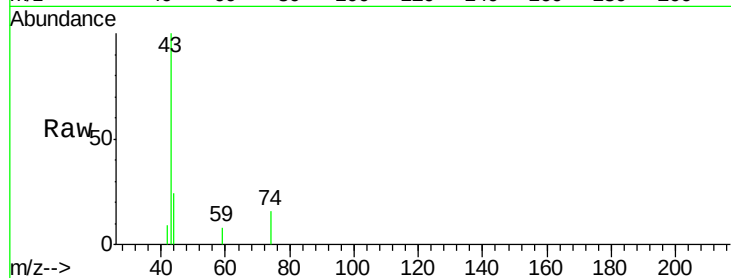




#18  
Methyl Acetate  
Concen: 4.071 ug/l  
RT: 4.29 min Scan# 782  
Delta R.T. 0.01 min  
Lab File: VN062688.D  
Acq: 31 Jul 2020 16:18

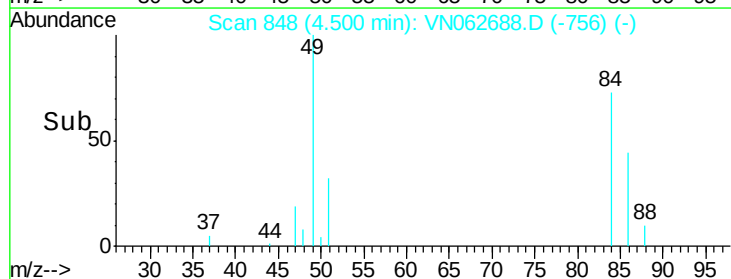
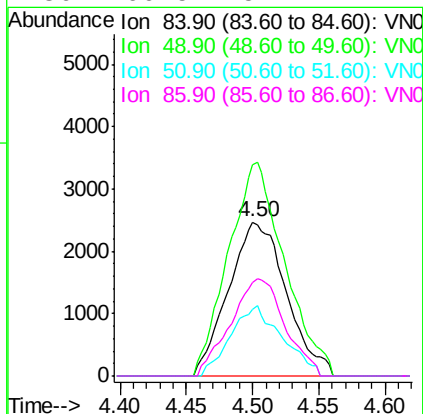
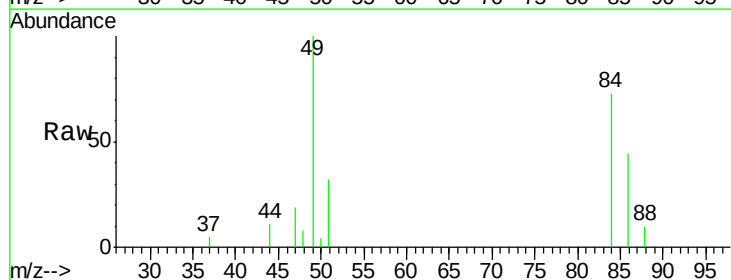
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130640ZHE#11

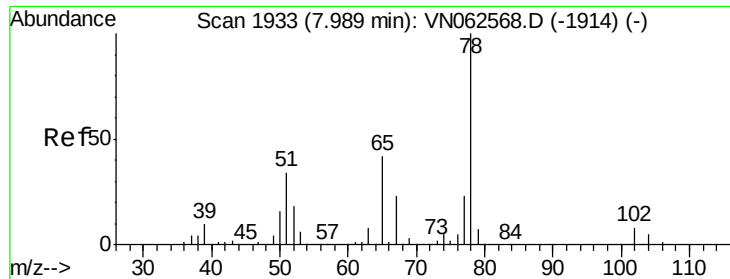
Tot Ion: 43 Resp: 7703  
Ion Ratio Lower Upper  
43 100  
74 7.5 16.6 24.8#



#20  
Methylene Chloride  
Concen: 4.185 ug/l  
RT: 4.50 min Scan# 848  
Delta R.T. -0.00 min  
Lab File: VN062688.D  
Acq: 31 Jul 2020 16:18

Tgt Ion: 84 Resp: 7502  
Ion Ratio Lower Upper  
84 100  
49 137.3 109.4 164.0  
51 43.7 33.6 50.4  
86 60.5 51.4 77.2

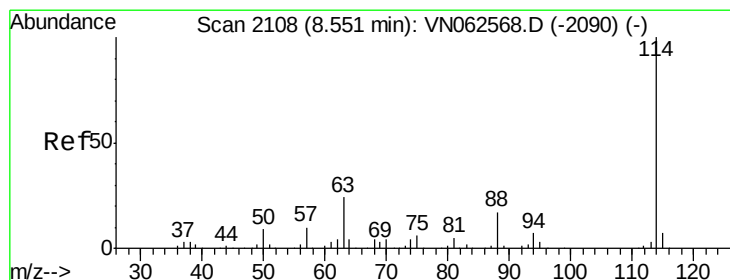
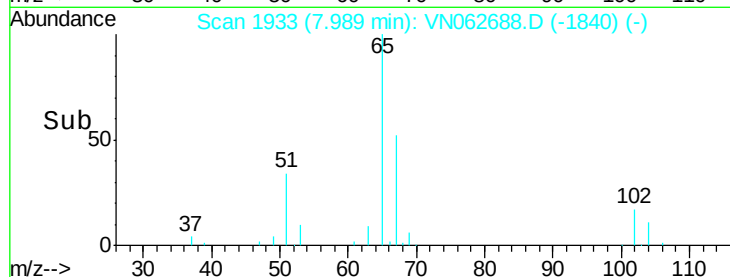
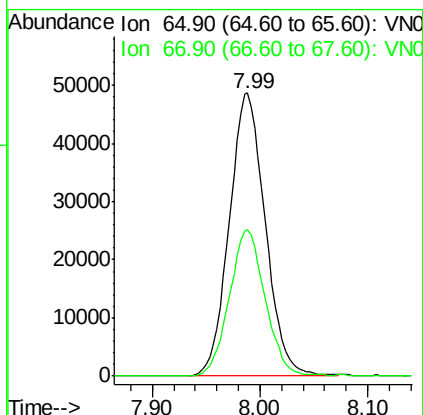
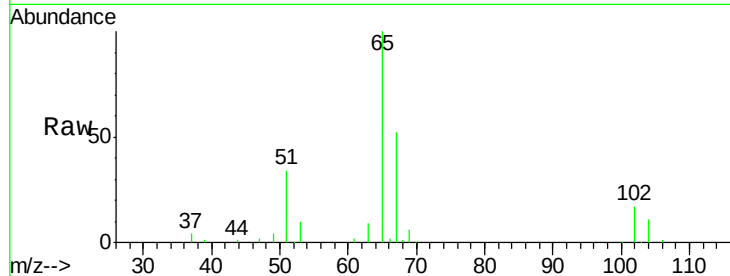




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.836 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. -0.00 min  
 Lab File: VN062688.D  
 Acq: 31 Jul 2020 16:18

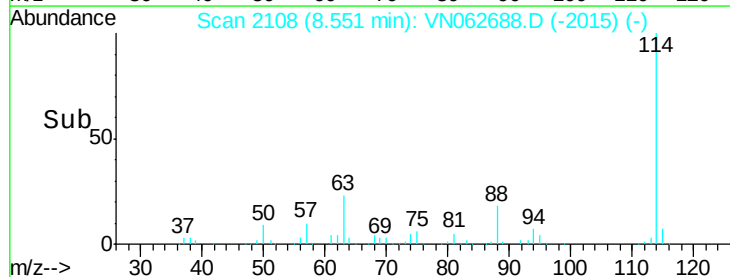
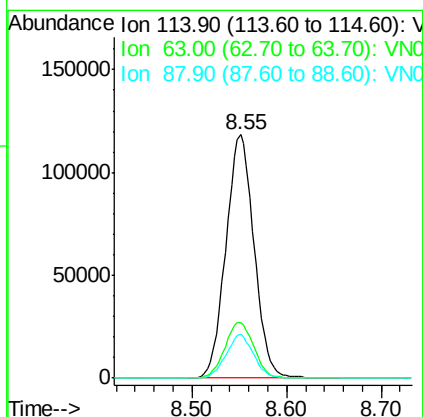
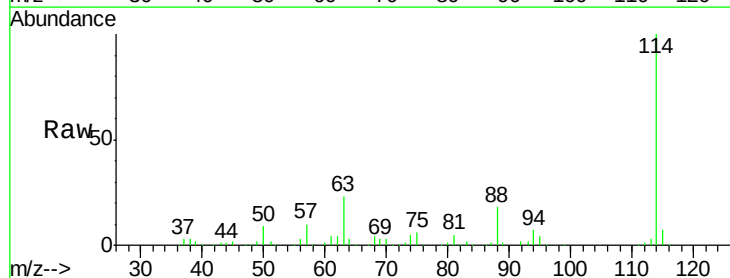
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130640ZHE#11

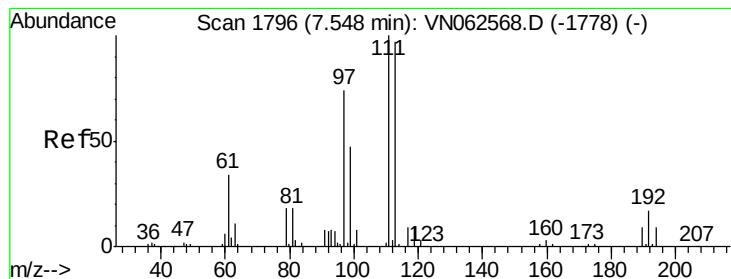
Tot Ion: 65 Resp: 112898  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 106.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. -0.00 min  
 Lab File: VN062688.D  
 Acq: 31 Jul 2020 16:18

Tgt Ion: 114 Resp: 245058  
 Ion Ratio Lower Upper  
 114 100  
 63 22.9 0.0 48.4  
 88 17.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.551 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

Instrument :

MSVOA\_N

ClientSampleId :

PB130640ZHE#11

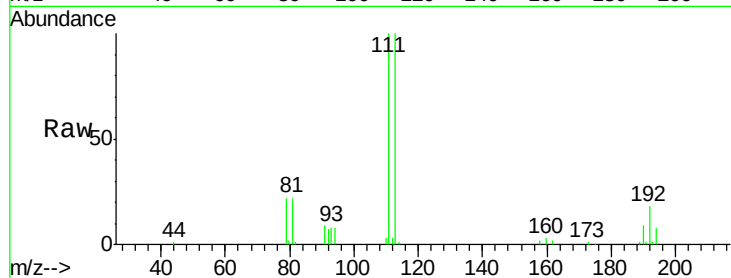
Tot Ion:113 Resp: 79762

Ion Ratio Lower Upper

113 100

111 103.6 82.7 124.1

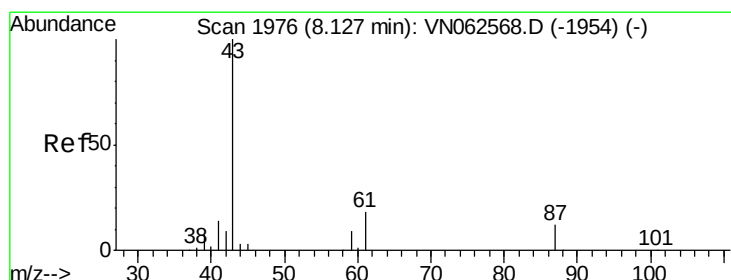
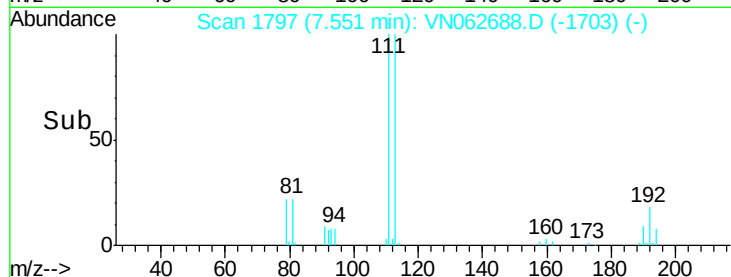
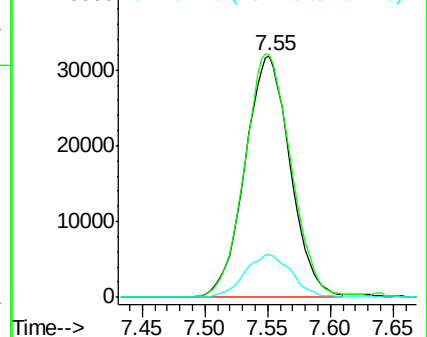
192 18.3 14.8 22.2



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: 11.083 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

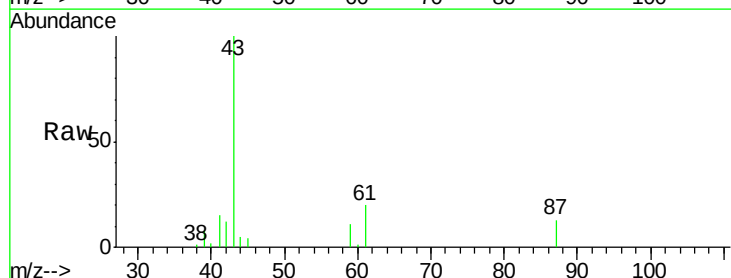
Tgt Ion: 43 Resp: 50306

Ion Ratio Lower Upper

43 100

61 19.1 20.8 31.2#

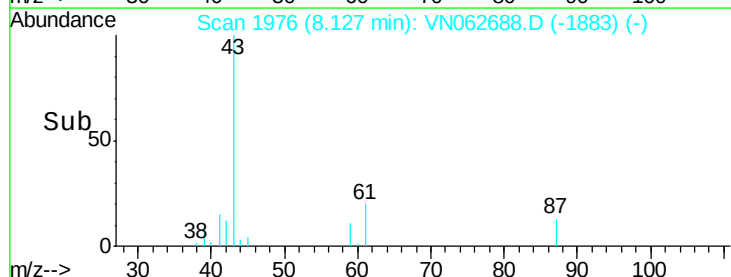
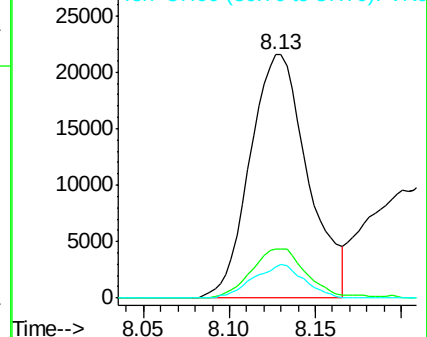
87 12.0 9.2 13.8

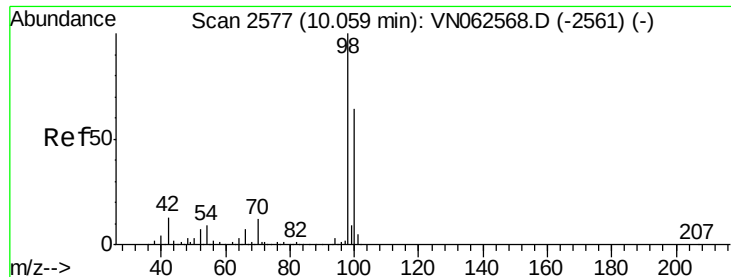


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.122 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

Instrument :

MSVOA\_N

ClientSampleId :

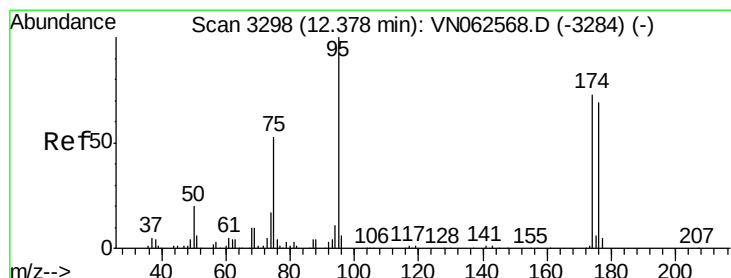
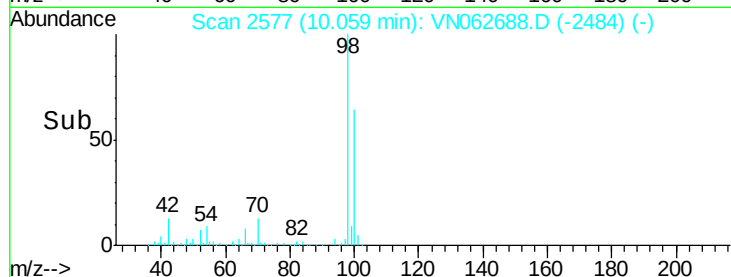
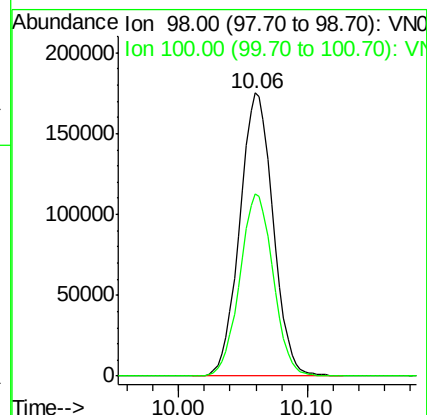
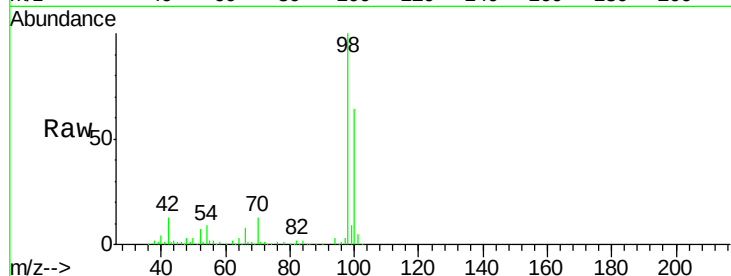
PB130640ZHE#11

Tot Ion: 98 Resp: 315484

Ion Ratio Lower Upper

98 100

100 64.4 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 49.432 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

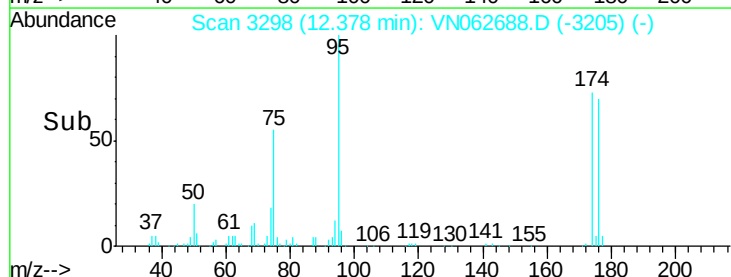
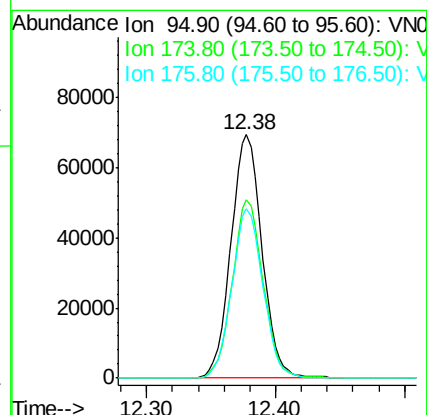
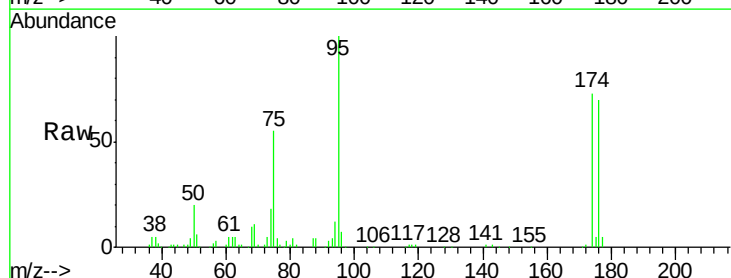
Tgt Ion: 95 Resp: 116084

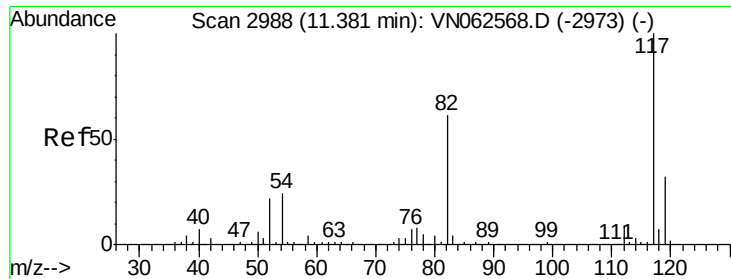
Ion Ratio Lower Upper

95 100

174 72.9 0.0 144.6

176 69.3 0.0 139.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

Instrument :

MSVOA\_N

ClientSampleId :

PB130640ZHE#11

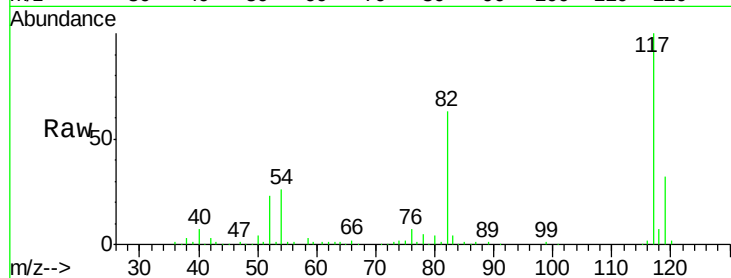
Tot Ion:117 Resp: 241529

Ion Ratio Lower Upper

117 100

82 62.7 49.0 73.6

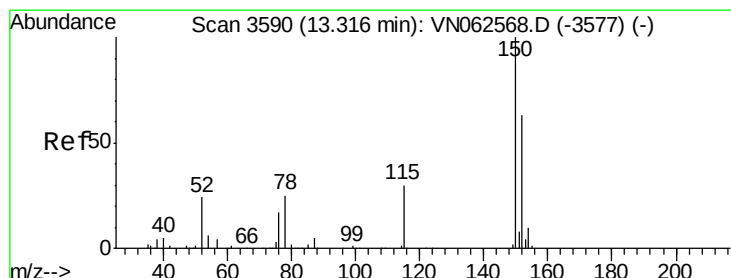
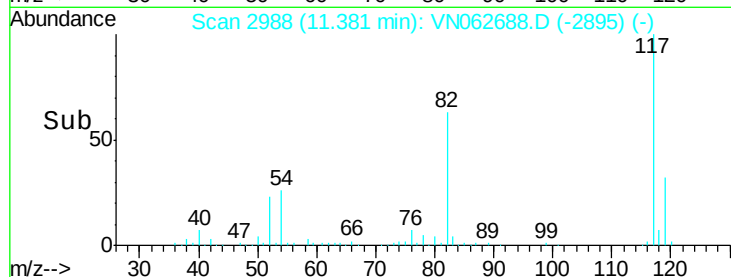
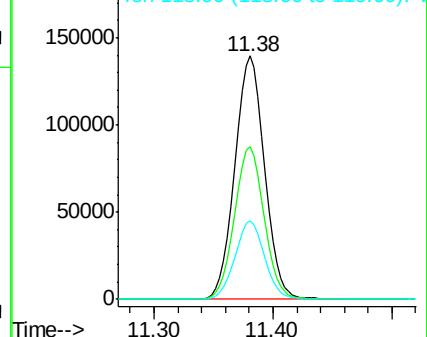
119 32.3 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062688.D

Acq: 31 Jul 2020 16:18

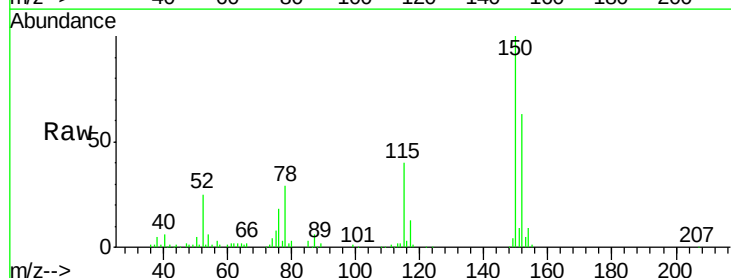
Tgt Ion:152 Resp: 86706

Ion Ratio Lower Upper

152 100

115 63.6 31.8 95.4

150 159.8 0.0 351.4



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

