

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\  
 Data File : VN061327.D  
 Acq On : 7 May 2020 12:38  
 Operator : JC/MD  
 Sample : PB128697ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128697ZHE#01

Quant Time: May 08 09:01:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N042720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 05 07:01:08 2020  
 Response via : Initial Calibration

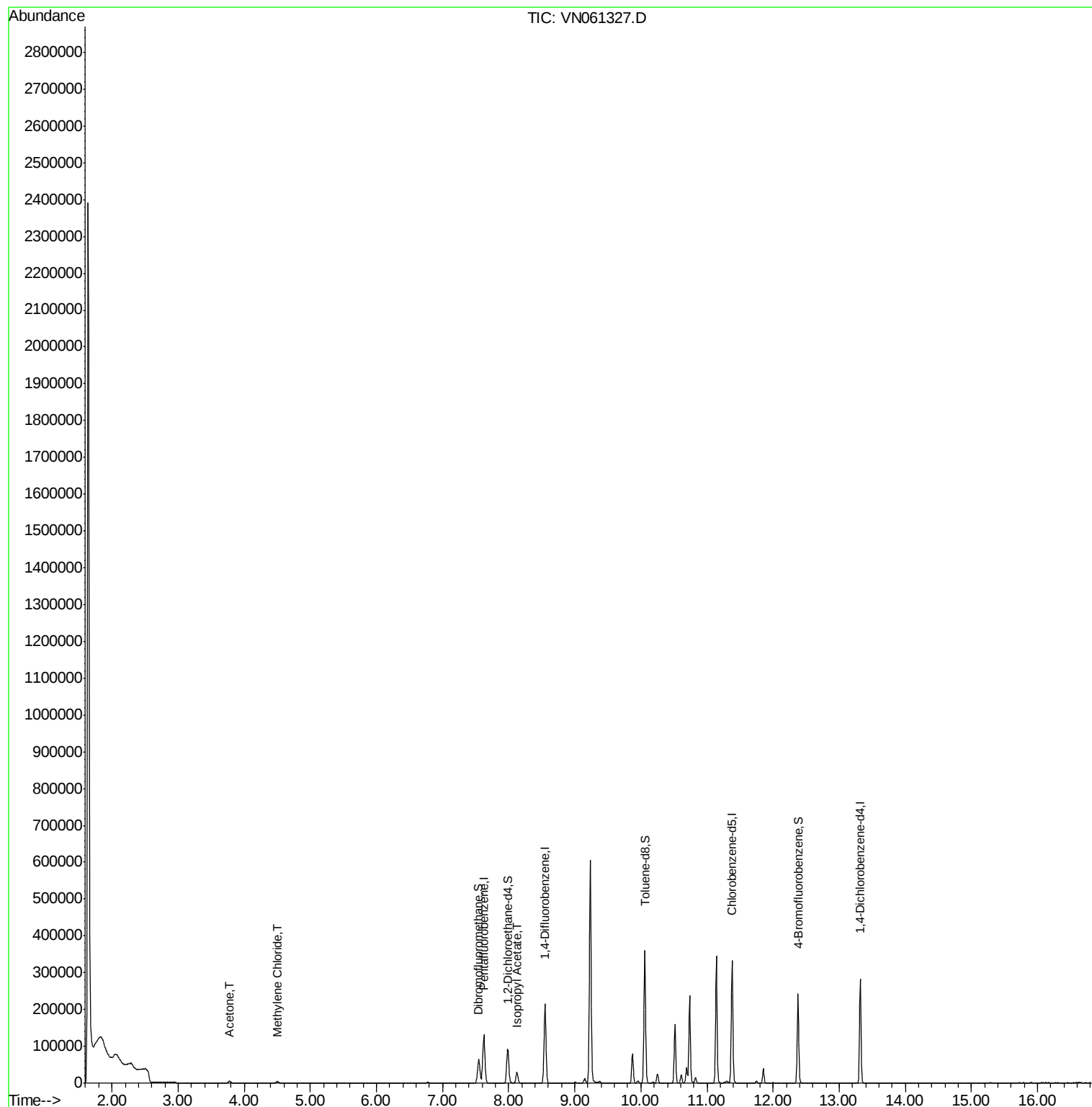
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 97855    | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 178545   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 174446   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 69974    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 82192    | 53.08  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.16% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 49049    | 46.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.92%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 227985   | 52.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 105.94% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 81521    | 50.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.66% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 8658     | 9.135  | ug/l    | 97       |
| 20) Methylene Chloride      | 4.50  | 84   | 2928     | 2.425  | ug/l    | 89       |
| 43) Isopropyl Acetate       | 8.12  | 43   | 34973    | 10.057 | ug/l #  | 91       |

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

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Acq: 7 May 2020 12:38

Instrument :

MSVOA\_N

ClientSampleId :

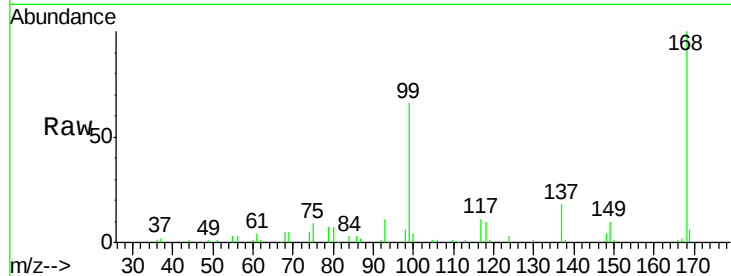
PB128697ZHE#01

Tot Ion:168 Resp: 97855

Ion Ratio Lower Upper

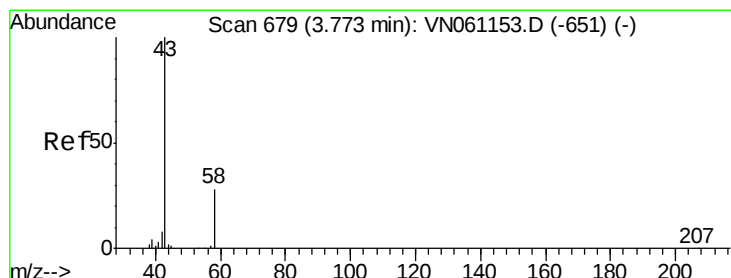
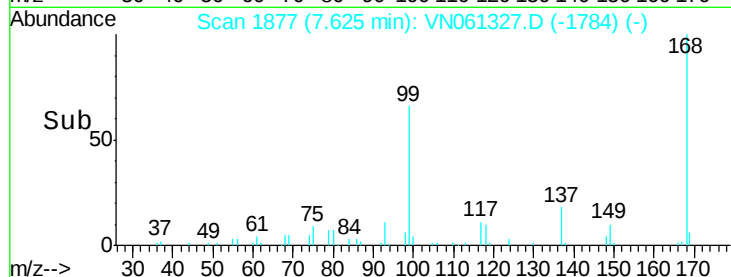
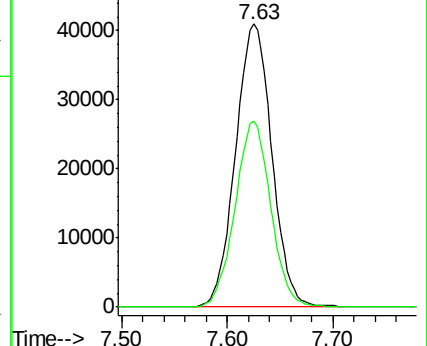
168 100

99 65.8 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: 9.135 ug/l

RT: 3.78 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN061327.D

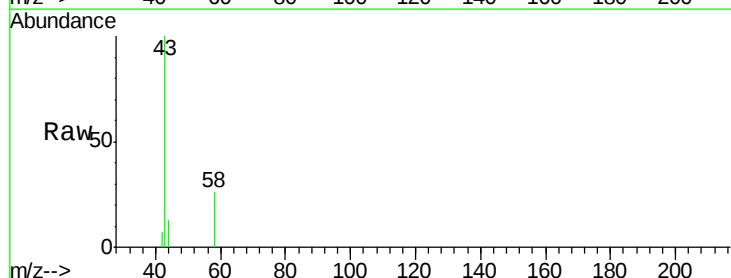
Acq: 7 May 2020 12:38

Tgt Ion: 43 Resp: 8658

Ion Ratio Lower Upper

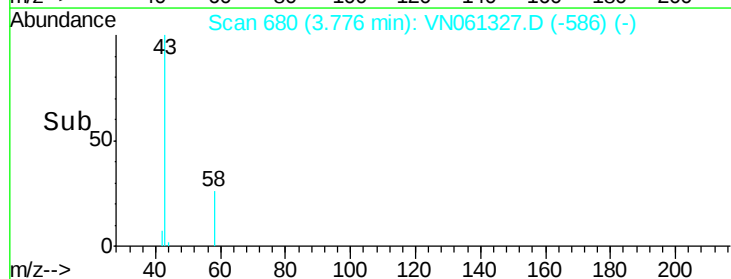
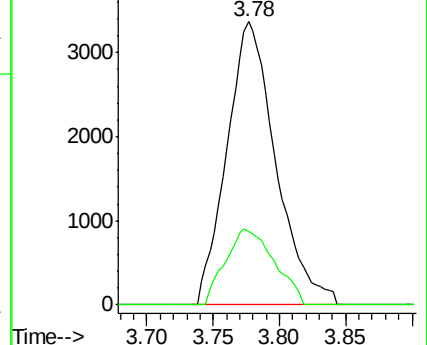
43 100

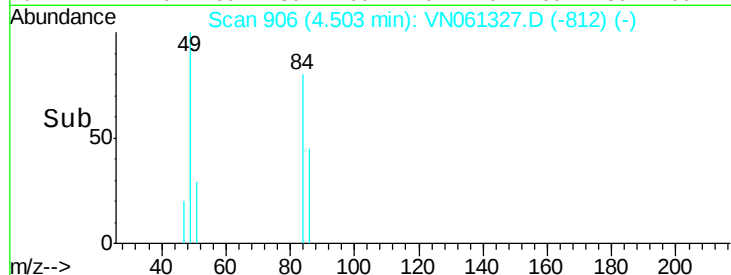
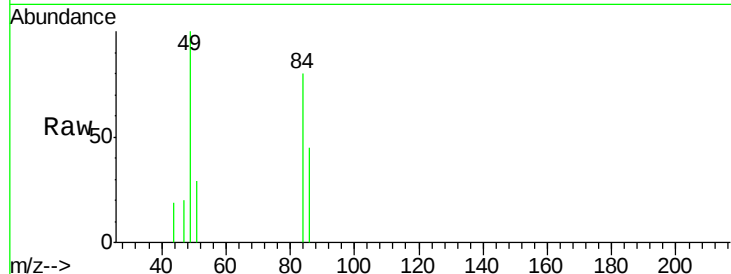
58 26.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

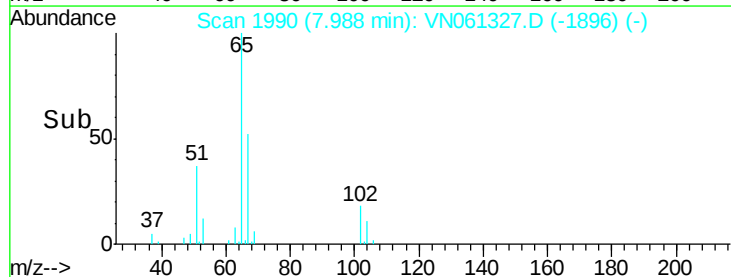
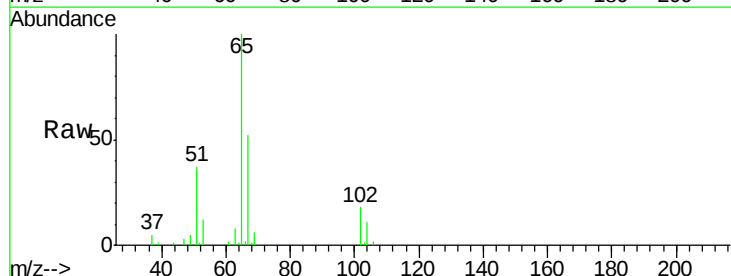
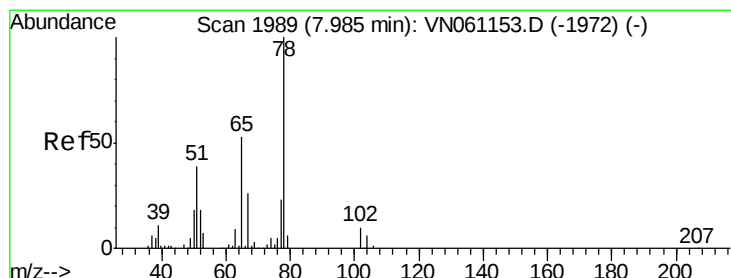
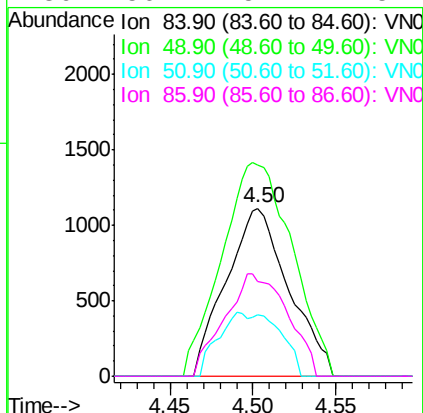




#20  
Methvlene Chloride  
Concen: 2.425 ug/l  
RT: 4.50 min Scan# 906  
Delta R.T. 0.00 min  
Lab File: VN061327.D  
Acq: 7 May 2020 12:38

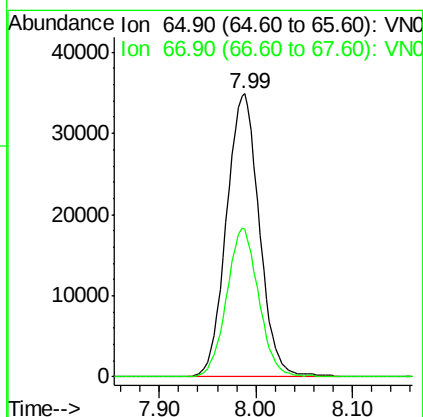
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB128697ZHE#01

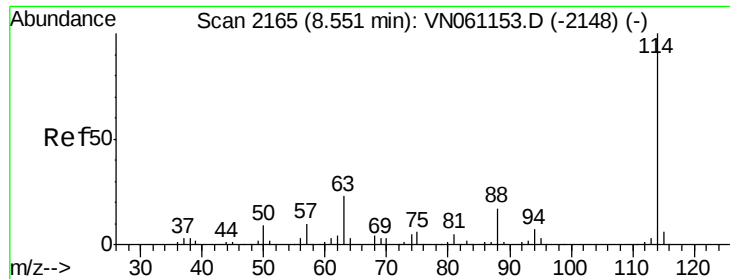
Tot Ion: 84 Resp: 2928  
Ion Ratio Lower Upper  
84 100  
49 125.4 112.0 168.0  
51 36.6 33.6 50.4  
86 56.2 52.1 78.1



#33  
1,2-Dichloroethane-d4  
Concen: 53.083 ug/l  
RT: 7.99 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: VN061327.D  
Acq: 7 May 2020 12:38

Tgt Ion: 65 Resp: 82192  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 101.6

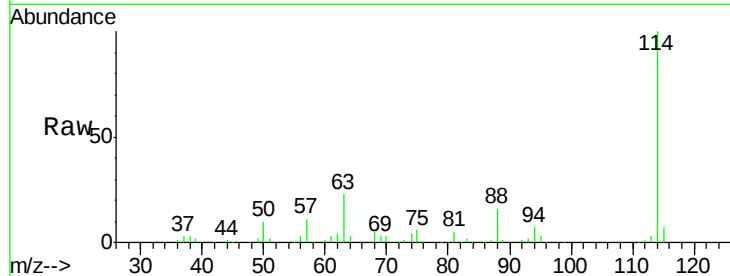




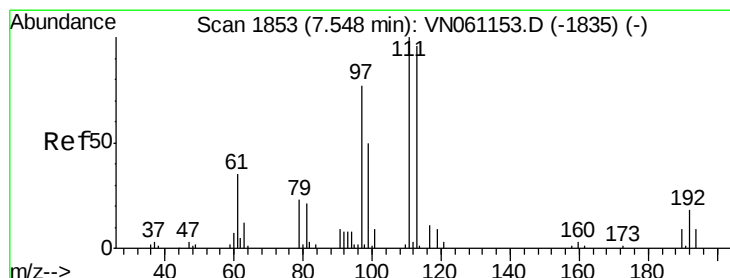
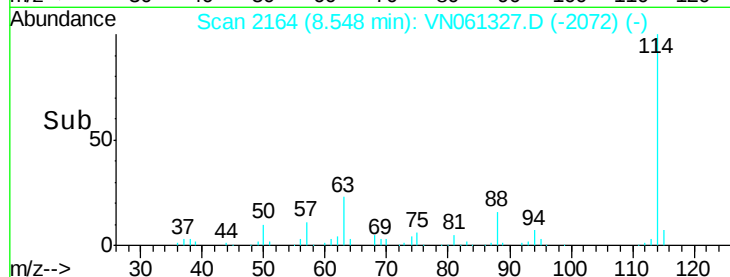
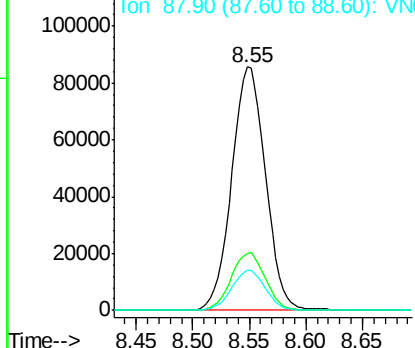
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2164  
 Delta R.T. -0.00 min  
 Lab File: VN061327.D  
 Acq: 7 May 2020 12:38

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB128697ZHE#01

Tot Ion:114 Resp: 178545  
 Ion Ratio Lower Upper  
 114 100  
 63 23.5 0.0 46.6  
 88 16.2 0.0 33.4

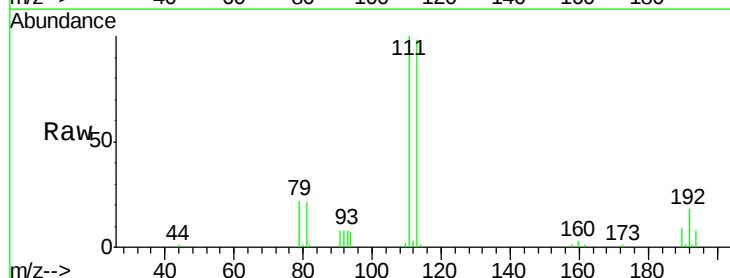


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

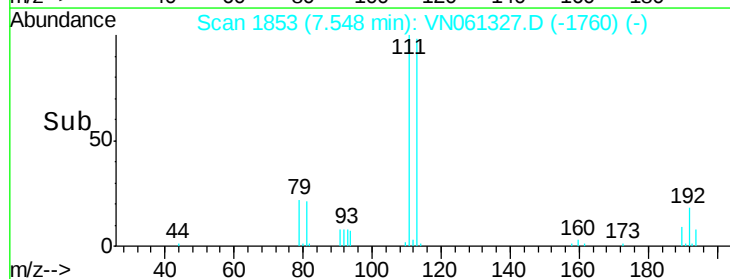
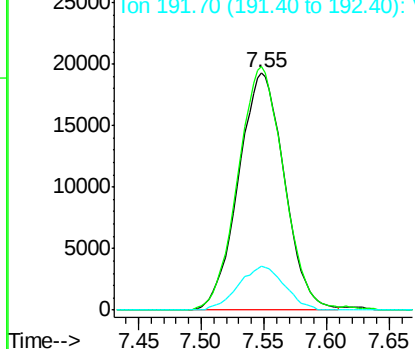


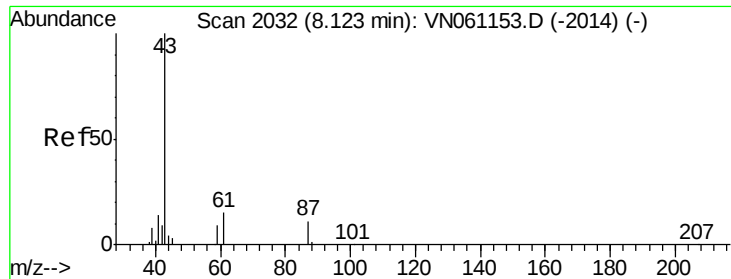
#35  
 Dibromofluoromethane  
 Concen: 46.458 ug/l  
 RT: 7.55 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VN061327.D  
 Acq: 7 May 2020 12:38

Tgt Ion:113 Resp: 49049  
 Ion Ratio Lower Upper  
 113 100  
 111 102.5 82.9 124.3  
 192 18.4 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





#43

Isopropyl Acetate

Concen: 10.057 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. 0.00 min

Lab File: VN061327.D

Acq: 7 May 2020 12:38

Instrument :

MSVOA\_N

ClientSampleId :

PB128697ZHE#01

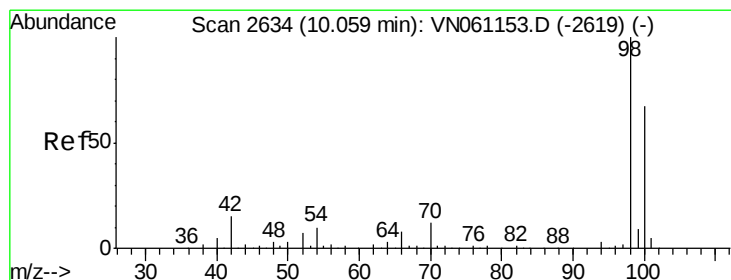
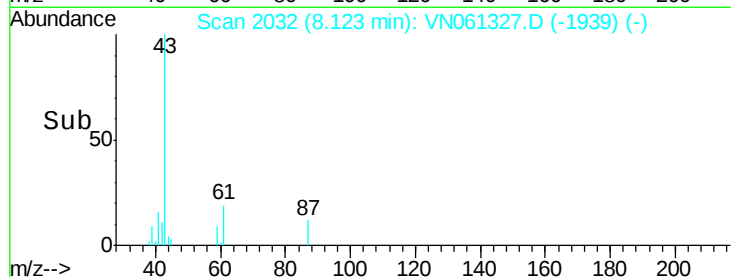
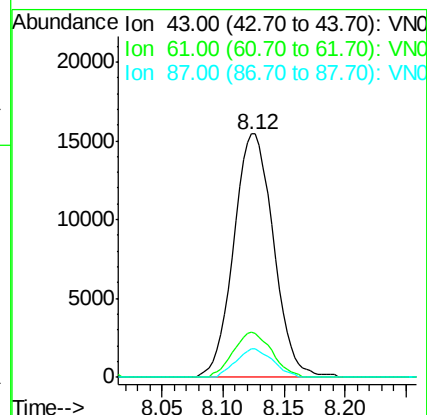
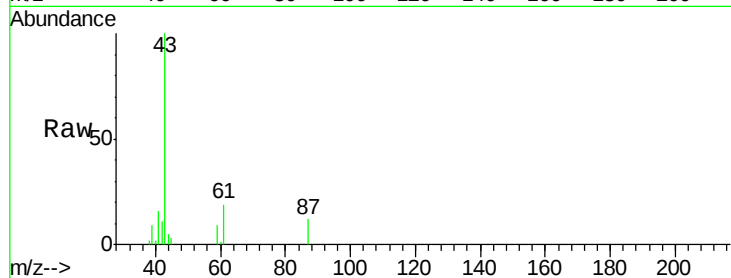
Tot Ion: 43 Resp: 34973

Ion Ratio Lower Upper

43 100

61 18.0 19.5 29.3#

87 10.8 8.9 13.3



#50

Toluene-d8

Concen: 52.972 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061327.D

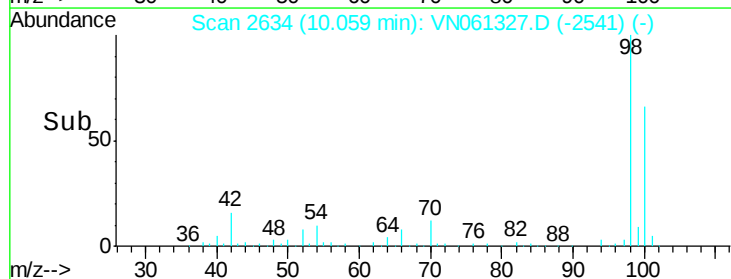
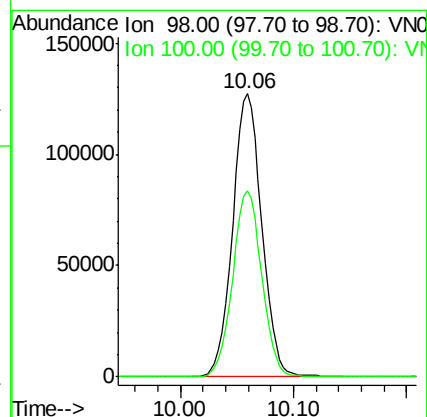
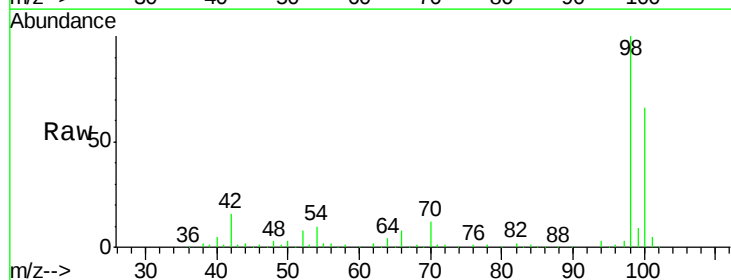
Acq: 7 May 2020 12:38

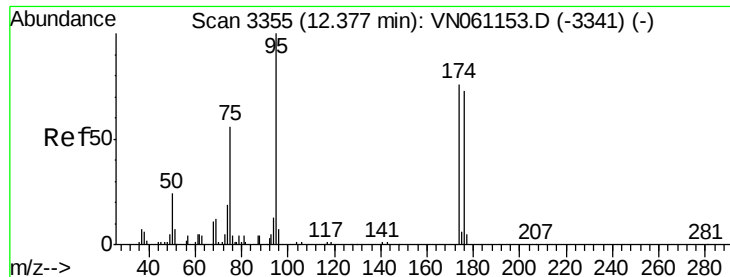
Tgt Ion: 98 Resp: 227985

Ion Ratio Lower Upper

98 100

100 65.8 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 50.333 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061327.D

Acq: 7 May 2020 12:38

Instrument :

MSVOA\_N

ClientSampleId :

PB128697ZHE#01

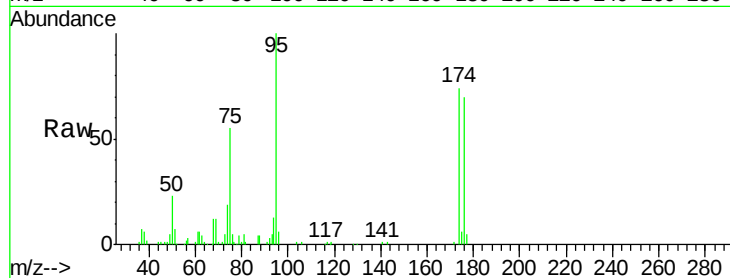
Tot Ion: 95 Resp: 81521

Ion Ratio Lower Upper

95 100

174 73.1 0.0 149.4

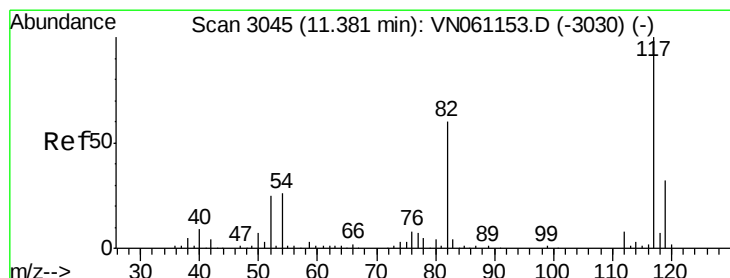
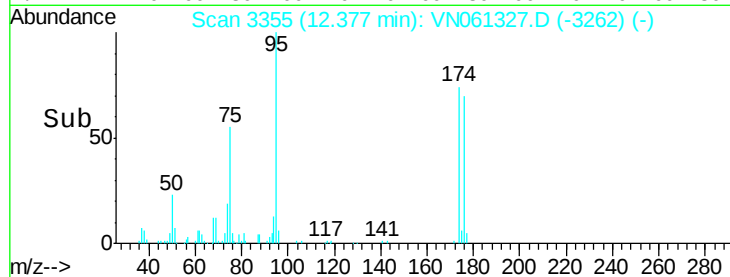
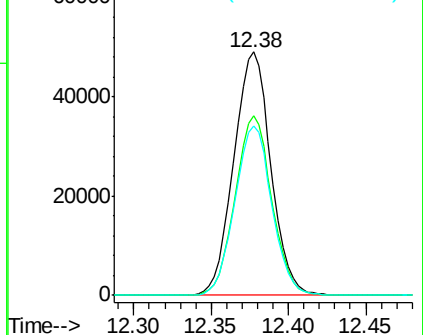
176 69.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061327.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061327.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061327.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061327.D

Acq: 7 May 2020 12:38

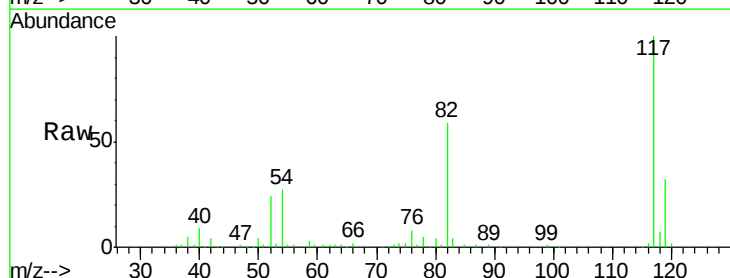
Tgt Ion: 117 Resp: 174446

Ion Ratio Lower Upper

117 100

82 59.2 47.8 71.8

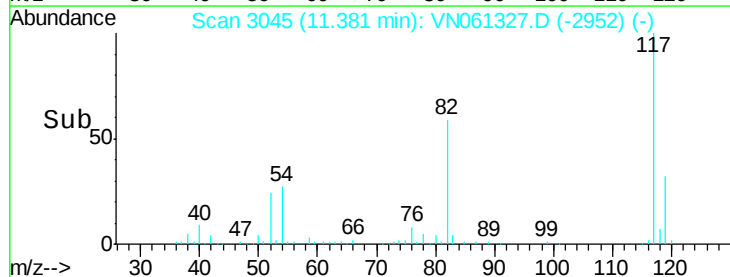
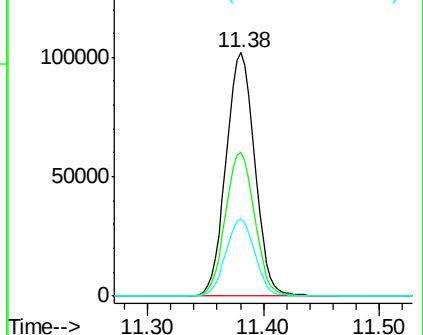
119 31.9 25.8 38.6

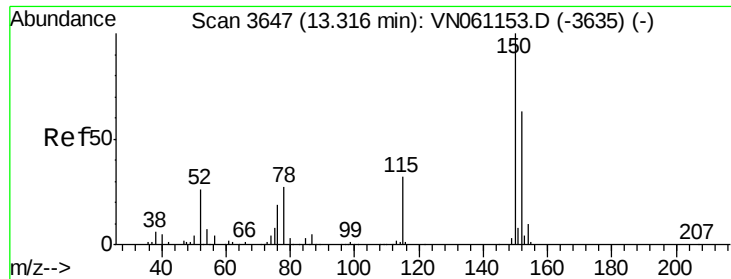


Abundance Ion 116.90 (116.60 to 117.60): VN061327.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061327.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061327.D (-2952) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061327.D

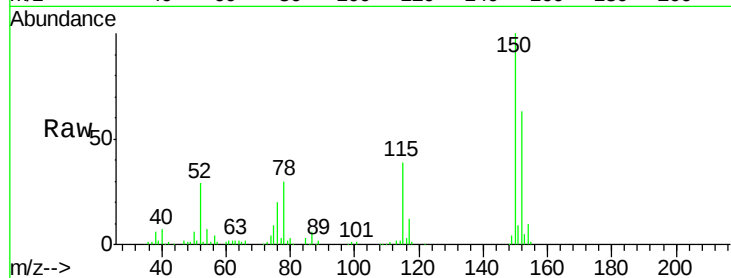
Acq: 7 May 2020 12:38

Instrument :

MSVOA\_N

ClientSampleId :

PB128697ZHE#01



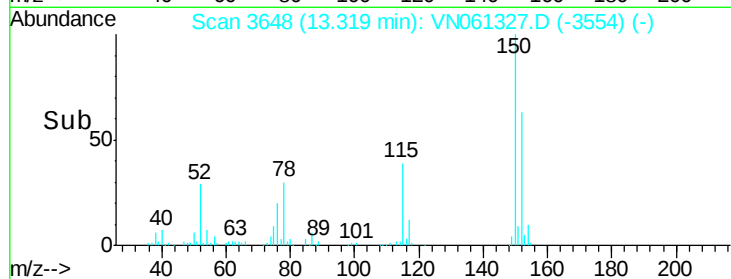
Tot Ion:152 Resp: 69974

Ion Ratio Lower Upper

152 100

115 61.8 31.0 93.0

150 156.9 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

