

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\  
 Data File : VN062197.D  
 Acq On : 29 Jun 2020 18:55  
 Operator : JC/MD  
 Sample : L3088-11DL 100X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BRP2-20200622DL

Quant Time: Jun 30 05:24:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 15:33:00 2020  
 Response via : Initial Calibration

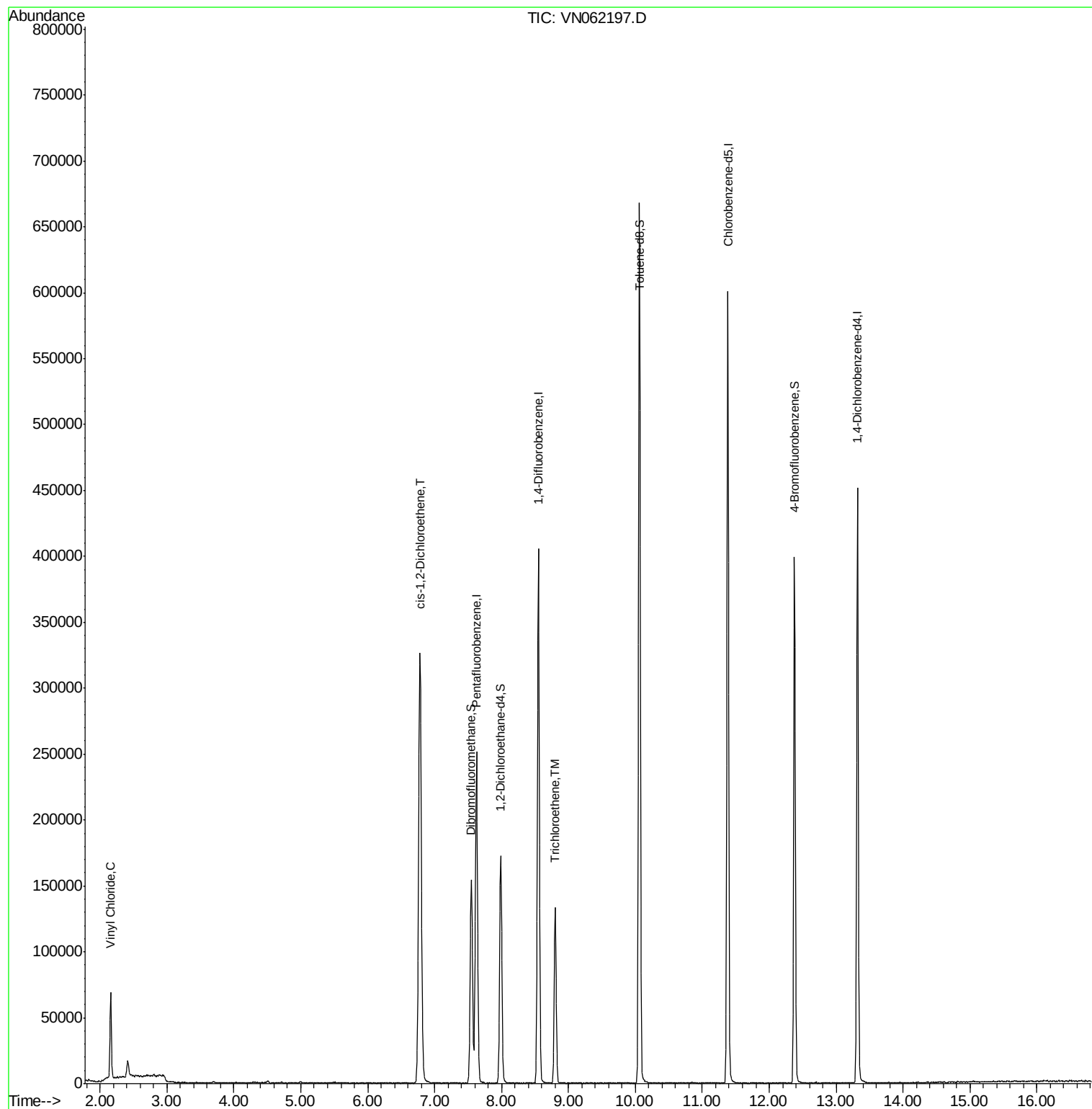
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 195555   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 362407   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 343814   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 120656   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 143974   | 52.46  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.92% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 120099   | 51.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.32% |          |
| 50) Toluene-d8              | 10.06 | 98   | 461050   | 49.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.22%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 143355   | 45.65  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.30%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 4) Vinyl Chloride           | 2.16  | 62   | 59086    | 16.974 | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene  | 6.78  | 96   | 225274   | 78.263 | ug/l    | 89       |
| 44) Trichloroethene         | 8.80  | 130  | 48835    | 17.436 | ug/l    | 97       |

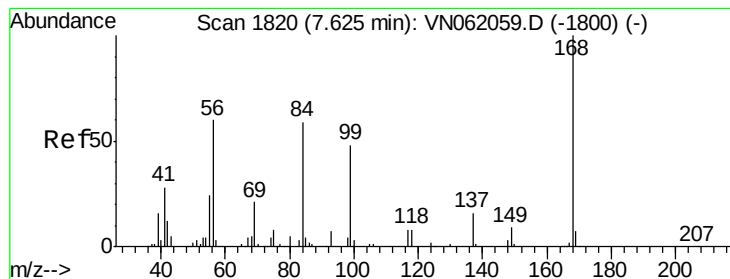
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062920\  
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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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BRP2-20200622DL

Quant Time: Jun 30 05:24:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N062420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 24 15:33:00 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: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA\_N

ClientSampleId :

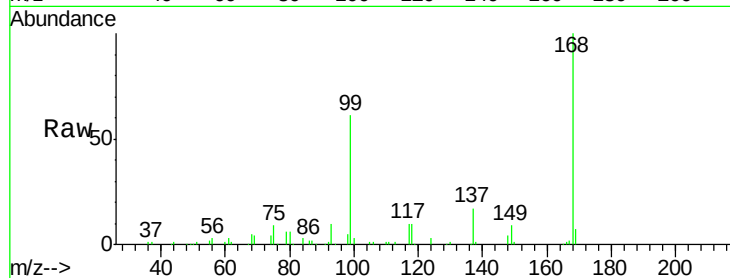
BRP2-20200622DL

Tot Ion:168 Resp: 195555

Ion Ratio Lower Upper

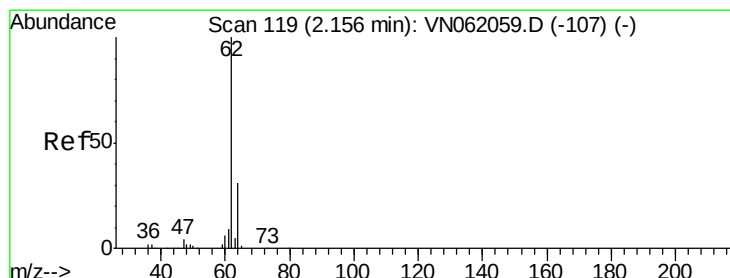
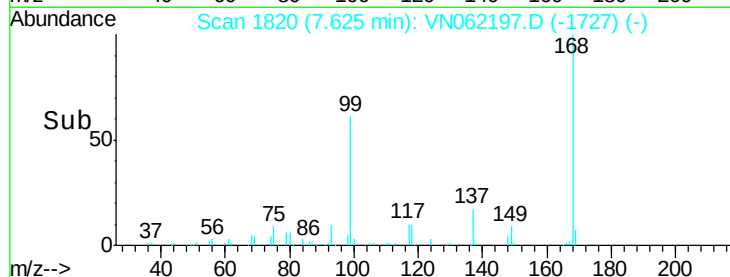
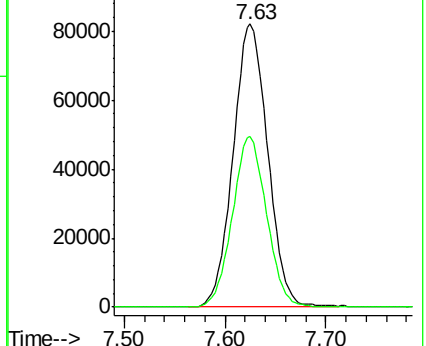
168 100

99 60.5 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Vinyl Chloride

Concen: 16.974 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062197.D

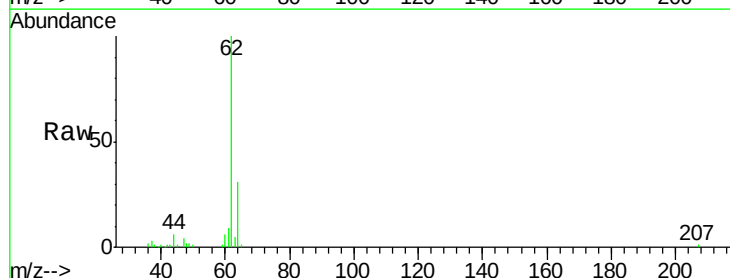
Acq: 29 Jun 2020 18:55

Tgt Ion: 62 Resp: 59086

Ion Ratio Lower Upper

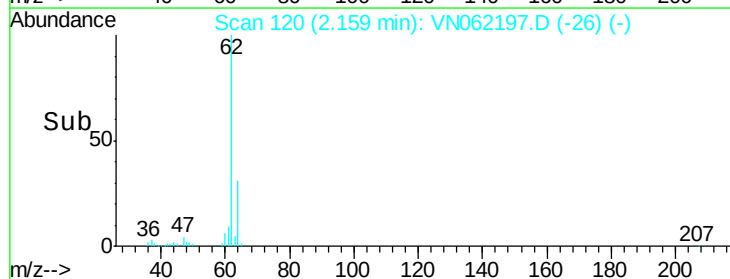
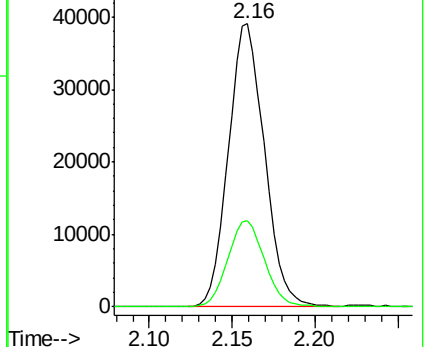
62 100

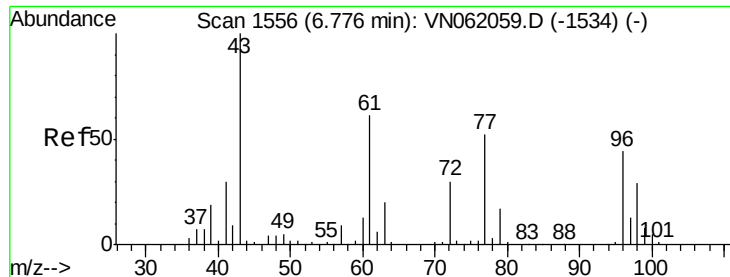
64 30.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#27

cis-1,2-Dichloroethene

Concen: 78.263 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA\_N

ClientSampleId :

BRP2-20200622DL

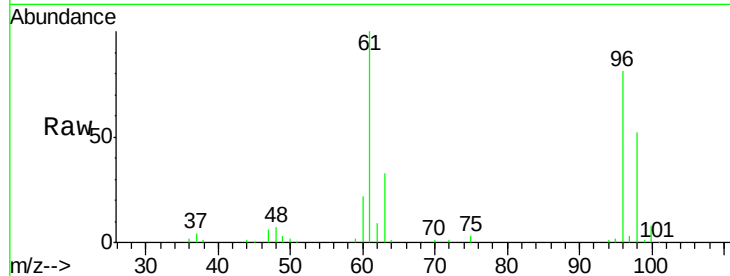
Tot Ion: 96 Resp: 225274

Ion Ratio Lower Upper

96 100

61 122.5 0.0 280.4

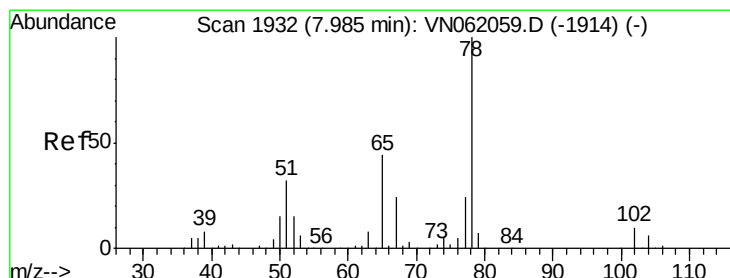
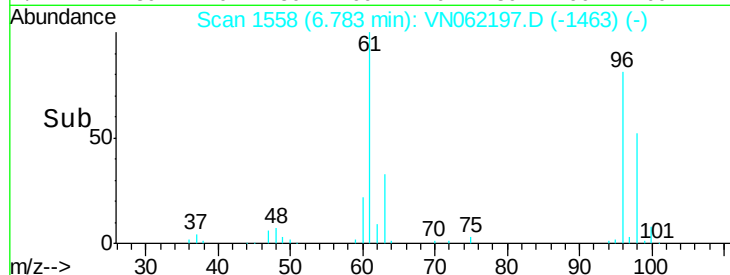
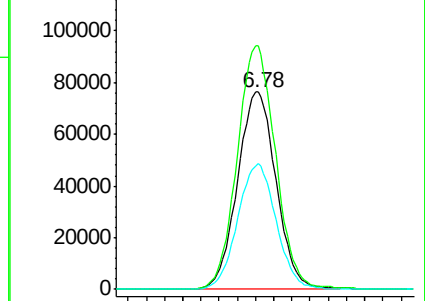
98 63.3 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN062197.D (-1463) (-)

Ion 60.90 (60.60 to 61.60): VN062197.D (-1463) (-)

Ion 97.90 (97.60 to 98.60): VN062197.D (-1463) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.463 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062197.D

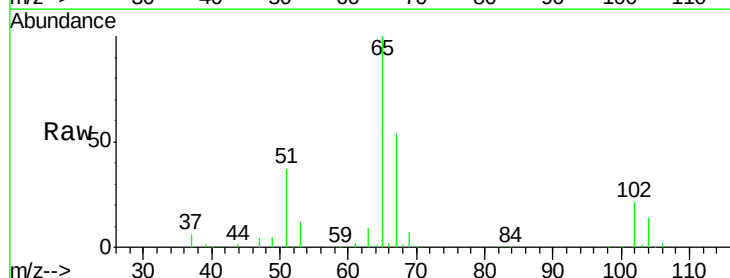
Acq: 29 Jun 2020 18:55

Tgt Ion: 65 Resp: 143974

Ion Ratio Lower Upper

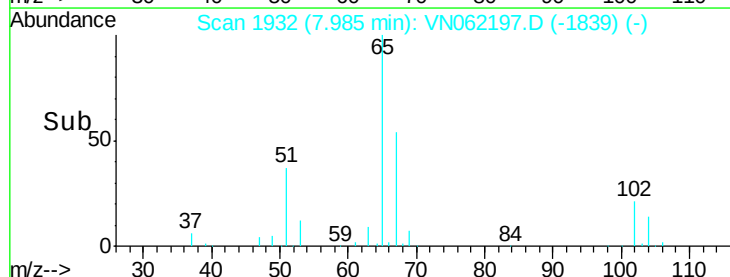
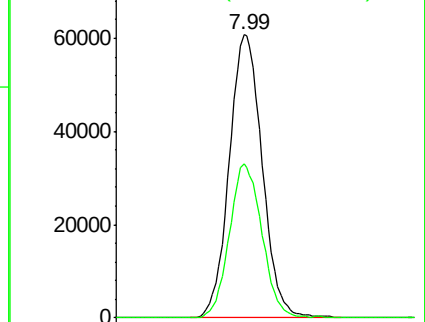
65 100

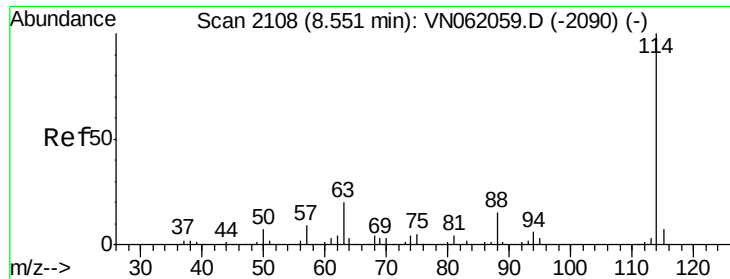
67 53.5 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN062197.D (-1839) (-)

Ion 66.90 (66.60 to 67.60): VN062197.D (-1839) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA\_N

ClientSampleId :

BRP2-20200622DL

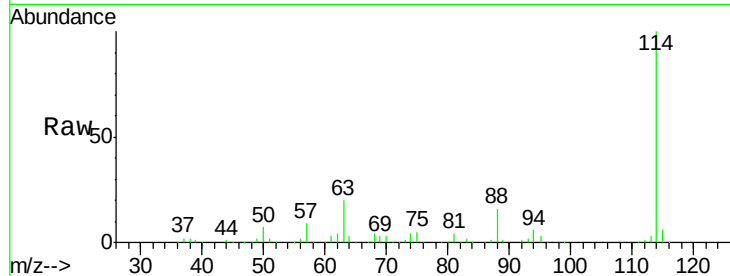
Tot Ion:114 Resp: 362407

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

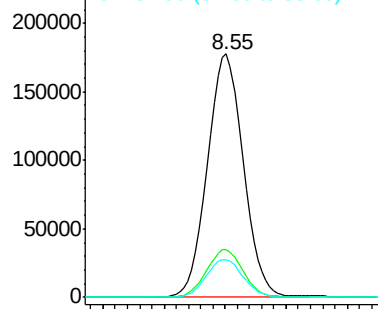
88 15.6 0.0 30.8



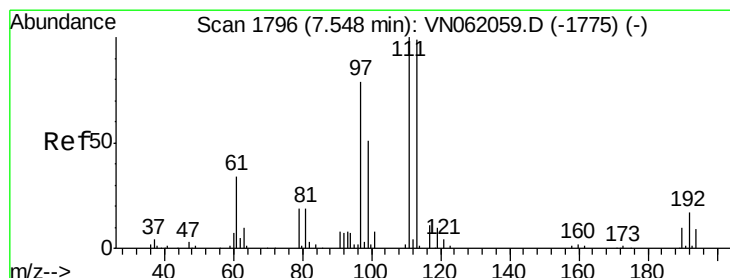
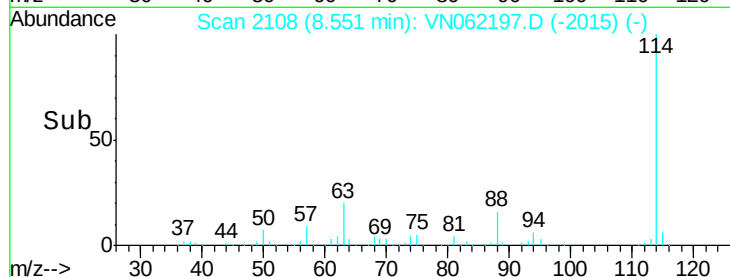
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



Time-->



#35

Dibromofluoromethane

Concen: 51.655 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

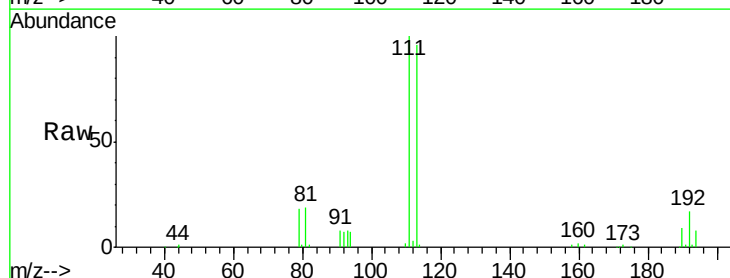
Tgt Ion:113 Resp: 120099

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

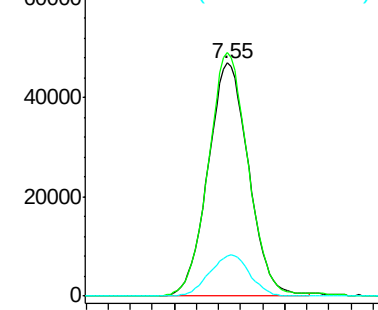
192 17.4 14.0 21.0



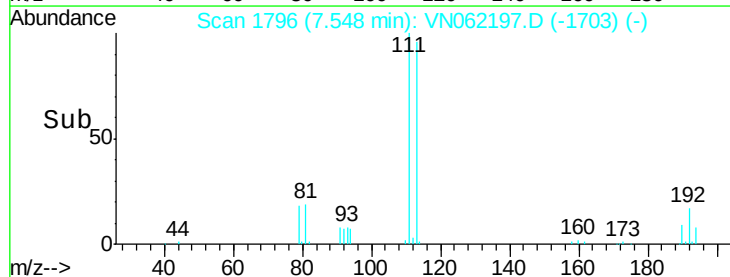
Abundance Ion 112.80 (112.50 to 113.50): V

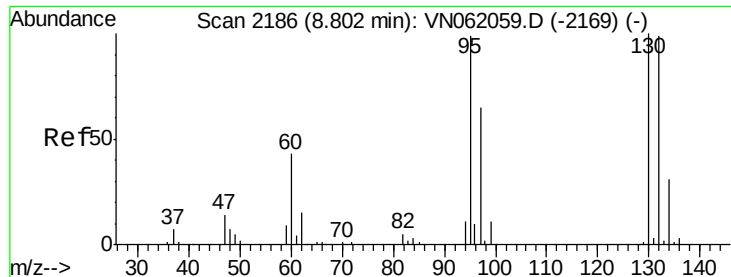
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->





#44

Trichloroethene

Concen: 17.436 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA\_N

ClientSampleId :

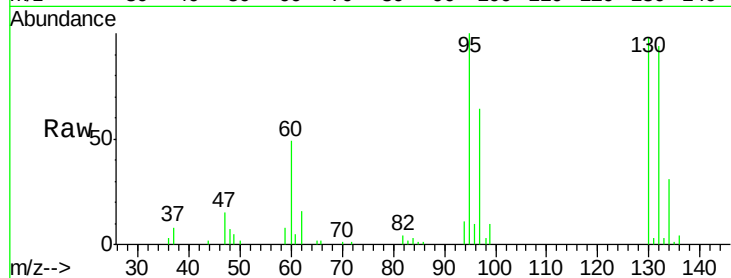
BRP2-20200622DL

Tot Ion:130 Resp: 48835

Ion Ratio Lower Upper

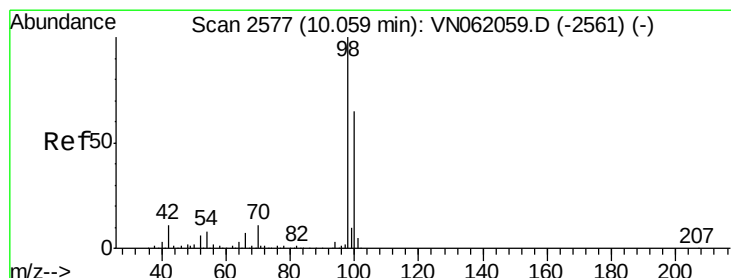
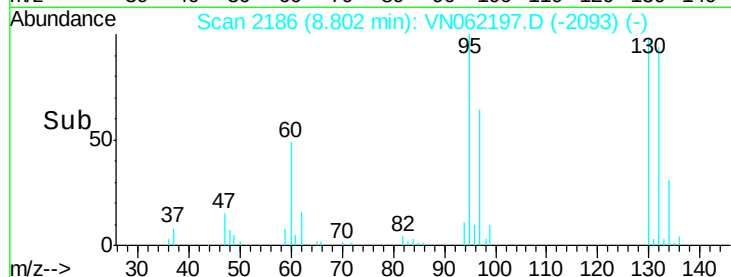
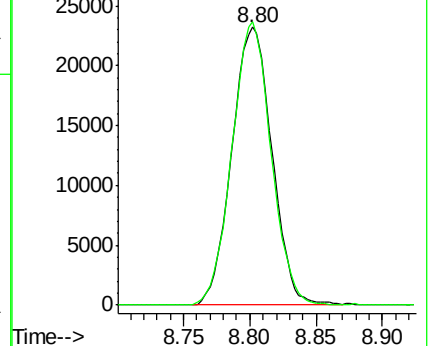
130 100

95 101.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.608 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062197.D

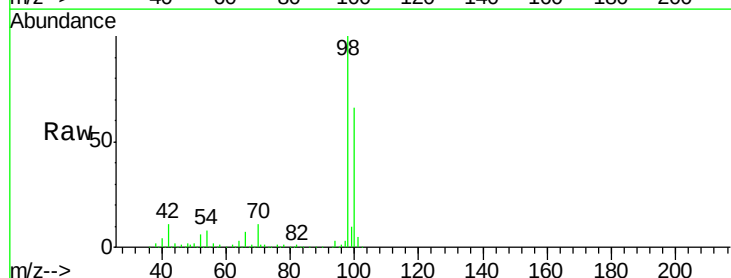
Acq: 29 Jun 2020 18:55

Tgt Ion: 98 Resp: 461050

Ion Ratio Lower Upper

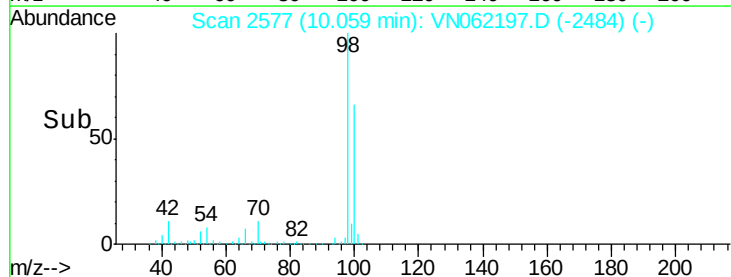
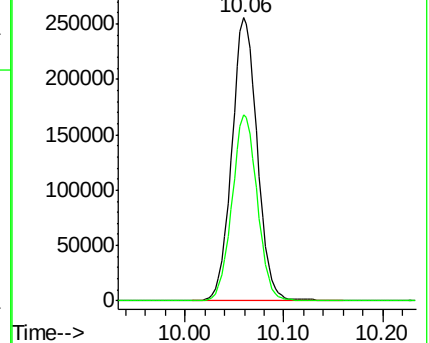
98 100

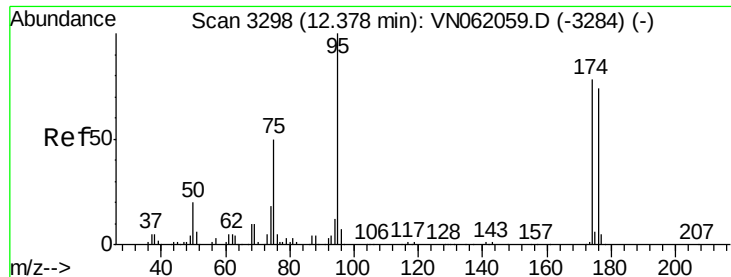
100 65.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

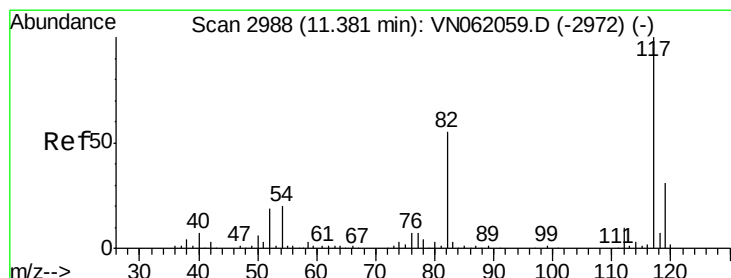
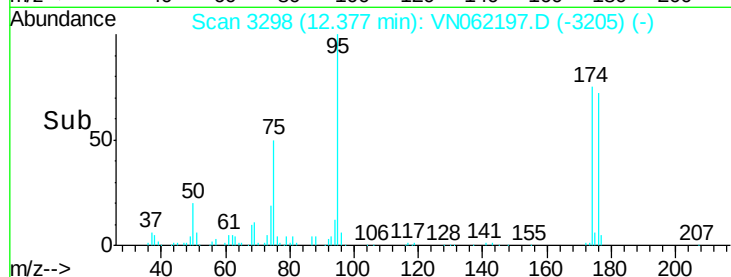
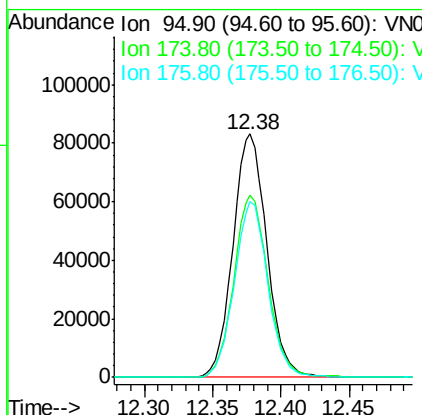
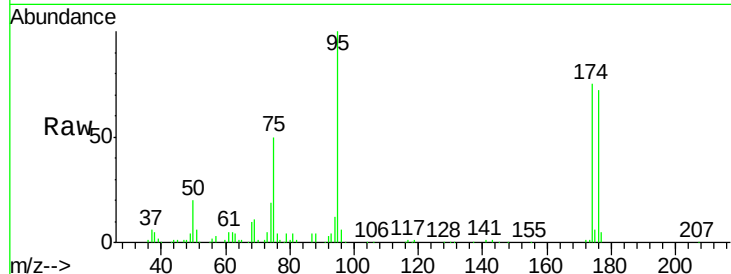




#62  
4-Bromofluorobenzene  
Concen: 45.654 ug/l  
RT: 12.38 min Scan# 3298  
Delta R.T. -0.00 min  
Lab File: VN062197.D  
Acq: 29 Jun 2020 18:55

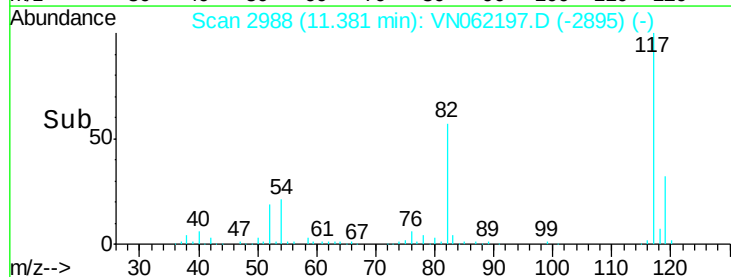
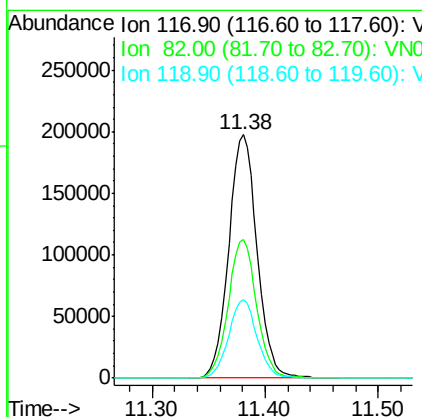
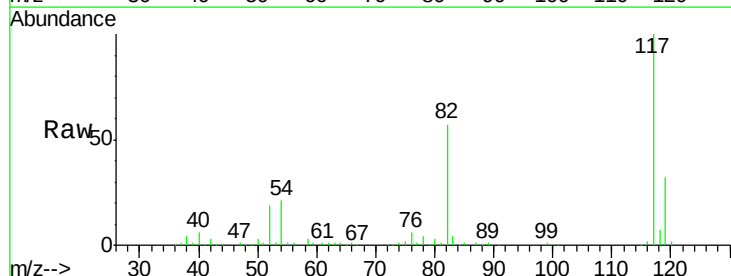
Instrument :  
MSVOA\_N  
ClientSampleId :  
BRP2-20200622DL

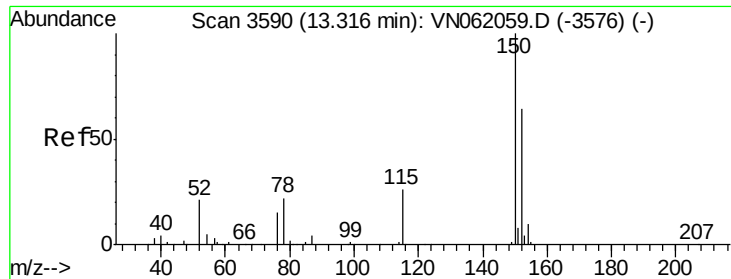
| Tot Ion   | 95    | Resp  | 143355 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 75.7  | 0.0   | 154.8  |
| 176       | 71.4  | 0.0   | 147.4  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062197.D  
Acq: 29 Jun 2020 18:55

| Tgt Ion   | 117   | Resp  | 343814 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.7  | 43.8  | 65.8   |
| 119       | 32.3  | 25.2  | 37.8   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062197.D

Acq: 29 Jun 2020 18:55

Instrument :

MSVOA\_N

ClientSampleId :

BRP2-20200622DL

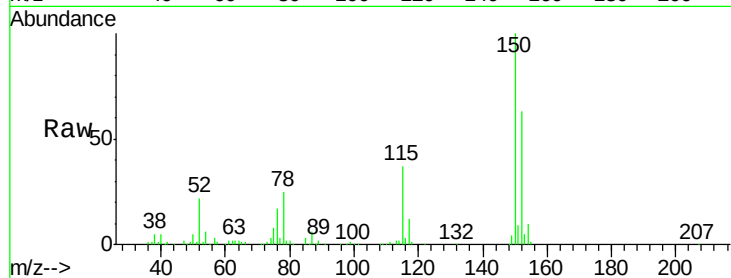
Tot Ion:152 Resp: 120656

Ion Ratio Lower Upper

152 100

115 60.0 29.5 88.5

150 158.9 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

