

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\  
 Data File : VN062807.D  
 Acq On : 10 Aug 2020 14:32  
 Operator : JC/MD  
 Sample : L3618-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-VPB179-GW-438-440

Quant Time: Aug 11 07:24:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080520W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:26:42 2020  
 Response via : Initial Calibration

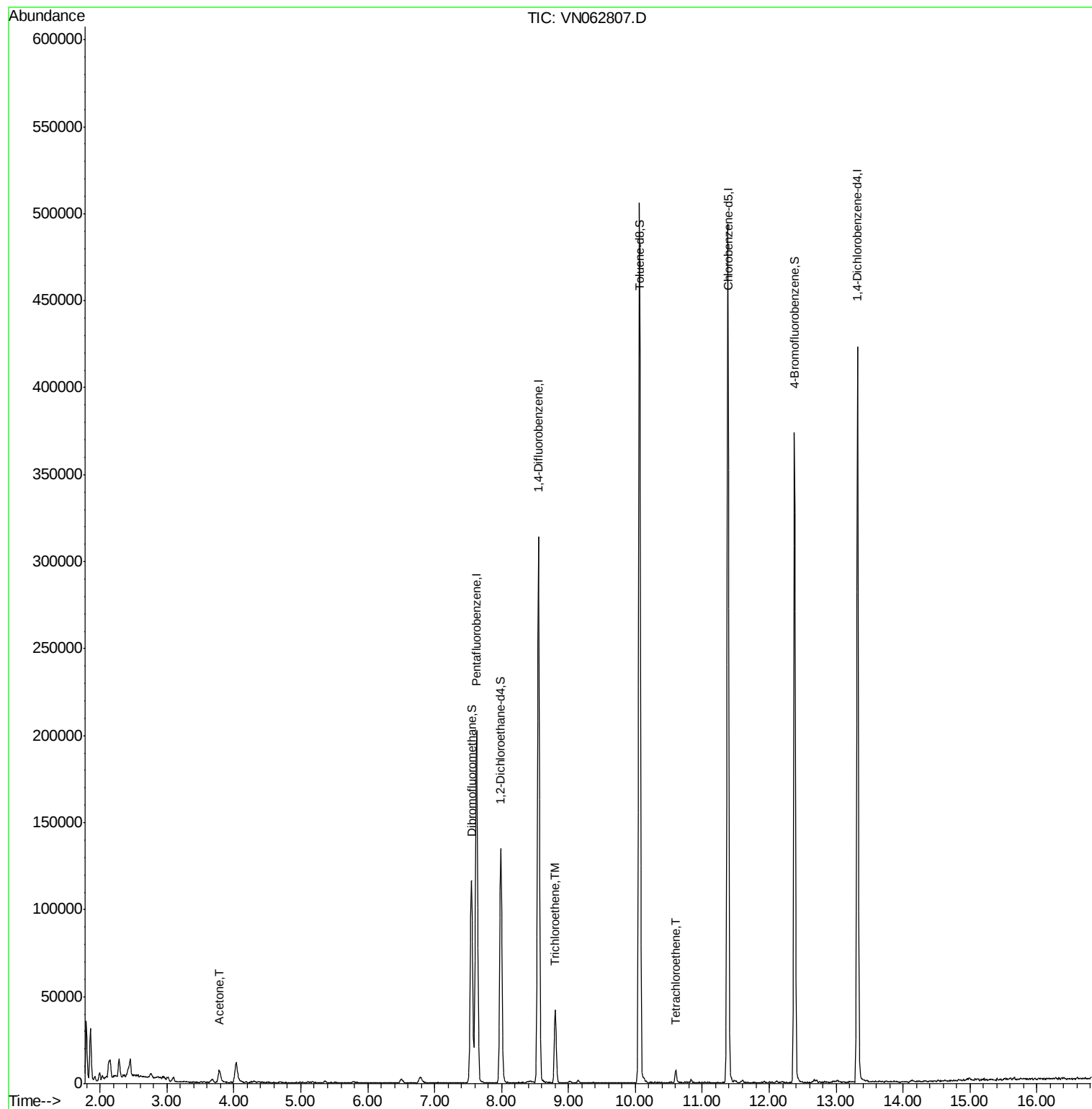
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 156728   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 273812   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 272828   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 112376   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 122567   | 47.29  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.58% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 90889    | 48.53  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.06% |          |
| 50) Toluene-d8              | 10.06 | 98   | 351553   | 48.08  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.16% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 134944   | 48.83  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.66% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 3.78  | 43   | 11499    | 12.279 | ug/l # | 68       |
| 44) Trichloroethene         | 8.80  | 130  | 15219    | 7.852  | ug/l   | 96       |
| 64) Tetrachloroethene       | 10.61 | 164  | 1634     | 0.928  | ug/l # | 88       |

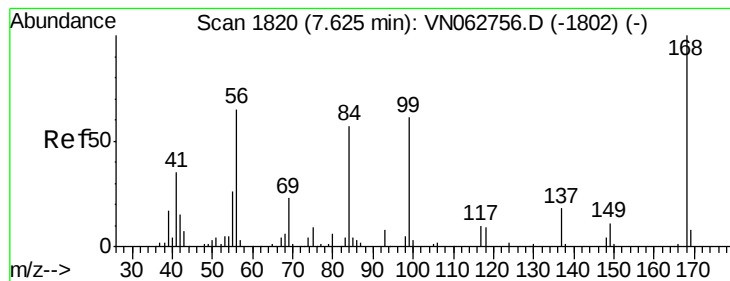
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081020\  
Data File : VN062807.D  
Acq On : 10 Aug 2020 14:32  
Operator : JC/MD  
Sample : L3618-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB179-GW-438-440

Quant Time: Aug 11 07:24:16 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080520W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 05 13:26:42 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: VN062807.D

Acq: 10 Aug 2020 14:32

Instrument :

MSVOA\_N

ClientSampleId :

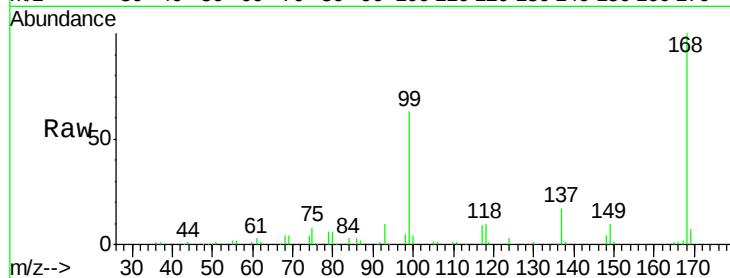
BP-VPB179-GW-438-440

Tot Ion:168 Resp: 156728

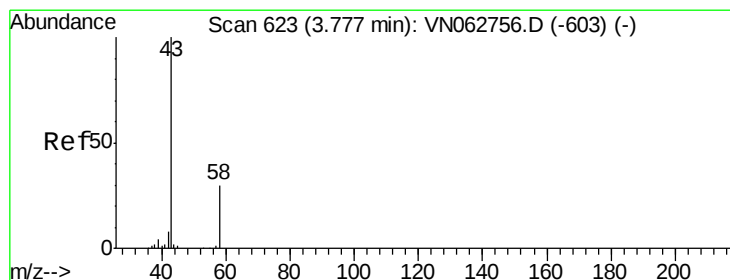
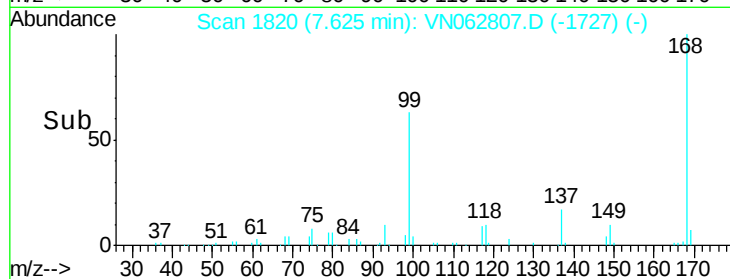
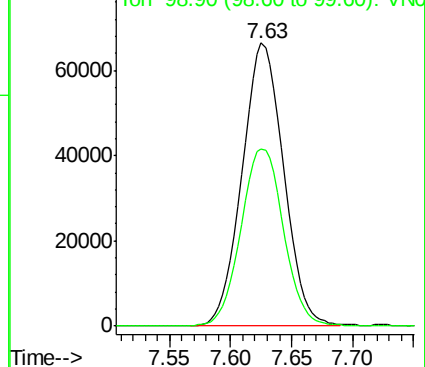
Ion Ratio Lower Upper

168 100

99 62.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062807.D (-1727) (-)



#16

Acetone

Concen: 12.279 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062807.D

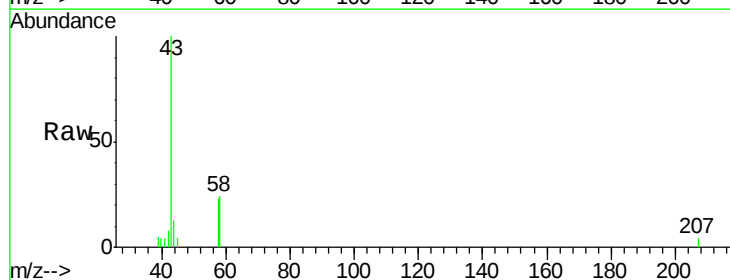
Acq: 10 Aug 2020 14:32

Tgt Ion: 43 Resp: 11499

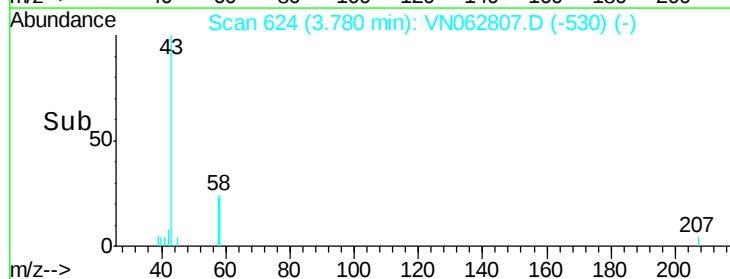
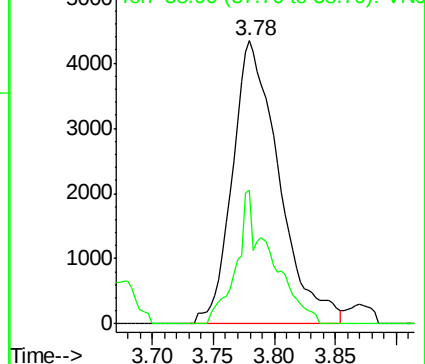
Ion Ratio Lower Upper

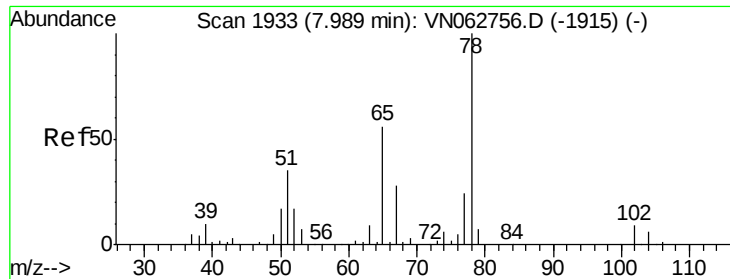
43 100

58 47.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN062807.D (-530) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.291 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062807.D

Acq: 10 Aug 2020 14:32

Instrument :

MSVOA\_N

ClientSampleId :

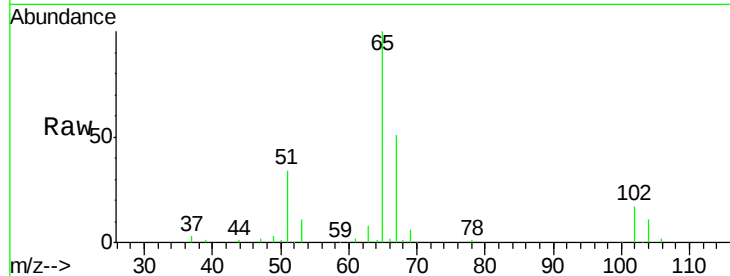
BP-VPB179-GW-438-440

Tot Ion: 65 Resp: 122567

Ion Ratio Lower Upper

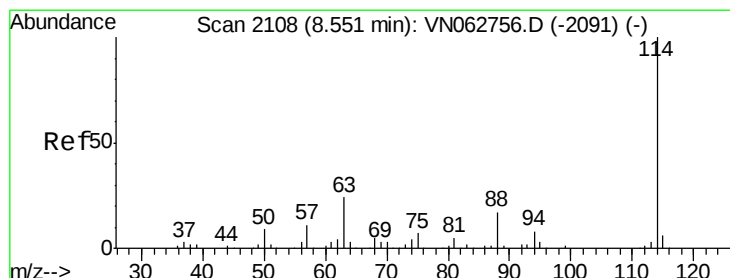
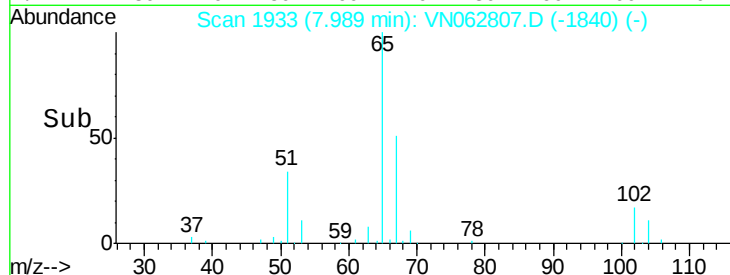
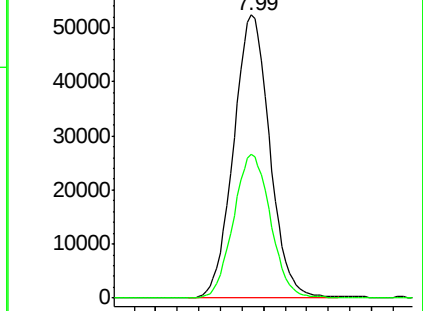
65 100

67 51.9 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VN062807.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062807.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062807.D

Acq: 10 Aug 2020 14:32

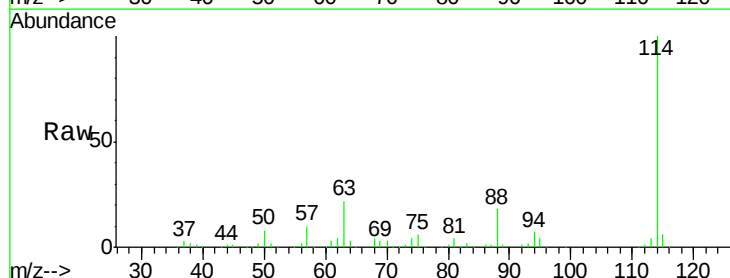
Tgt Ion: 114 Resp: 273812

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

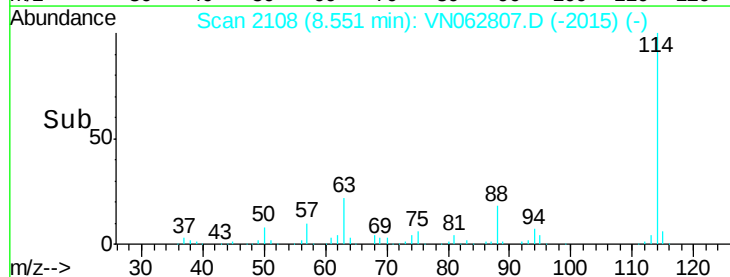
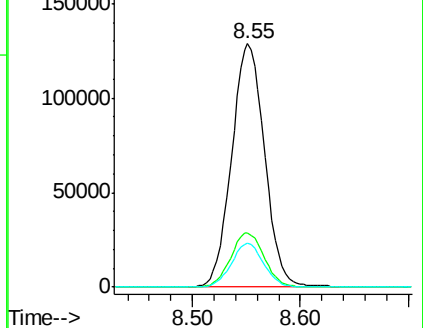
88 17.9 0.0 34.4

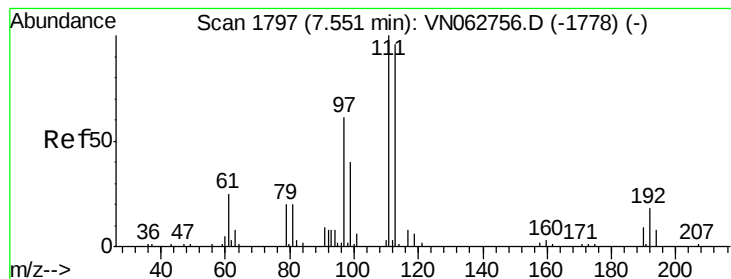


Abundance Ion 113.90 (113.60 to 114.60): VN062807.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062807.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062807.D (-2015) (-)





#35

Dibromofluoromethane

Concen: 48.525 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN062807.D

Acq: 10 Aug 2020 14:32

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB179-GW-438-440

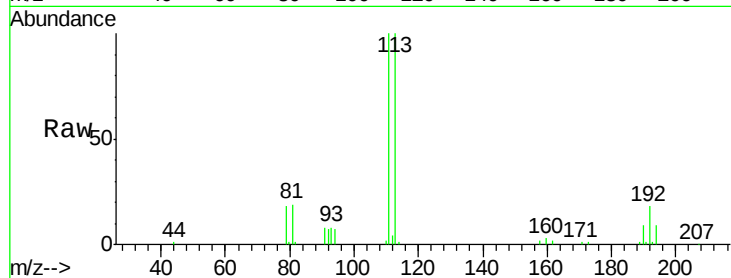
Tot Ion:113 Resp: 90889

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.6

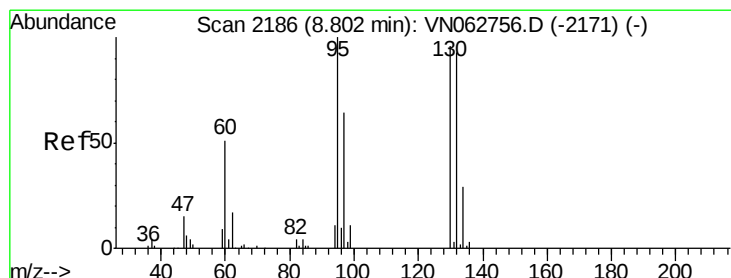
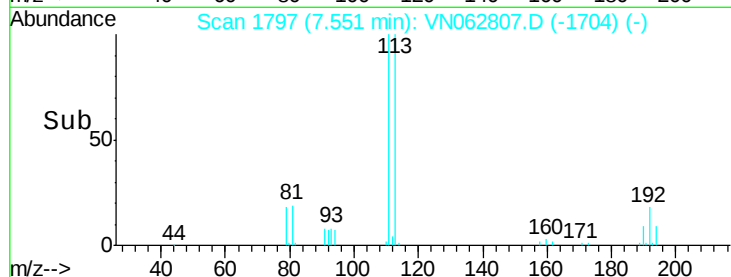
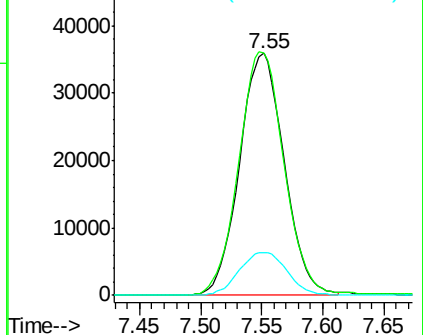
192 18.9 15.0 22.4



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: 7.852 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062807.D

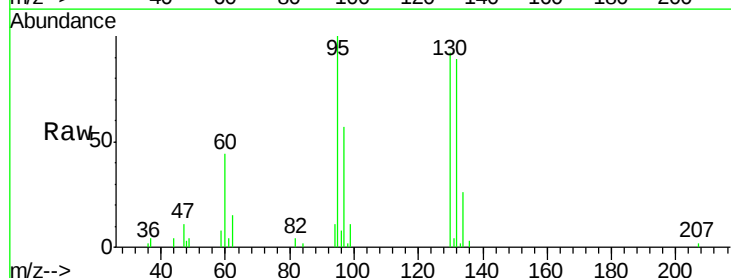
Acq: 10 Aug 2020 14:32

Tgt Ion:130 Resp: 15219

Ion Ratio Lower Upper

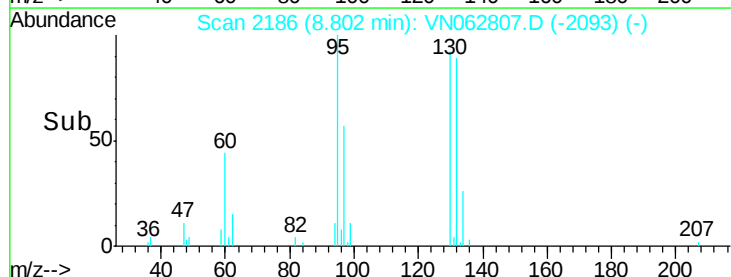
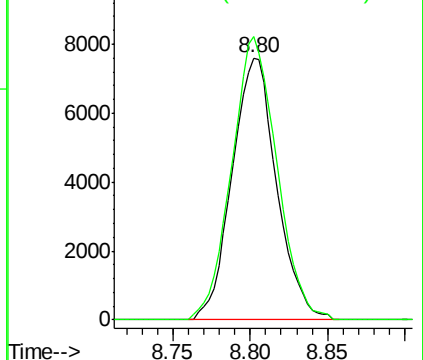
130 100

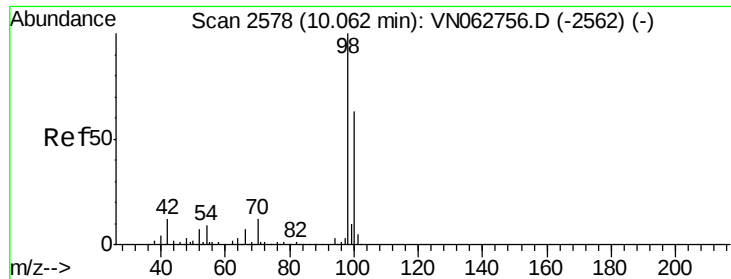
95 108.2 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 48.076 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. -0.00 min

Lab File: VN062807.D

Acq: 10 Aug 2020 14:32

Instrument :

MSVOA\_N

ClientSampleId :

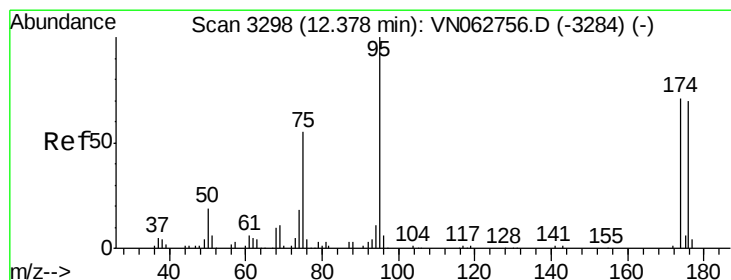
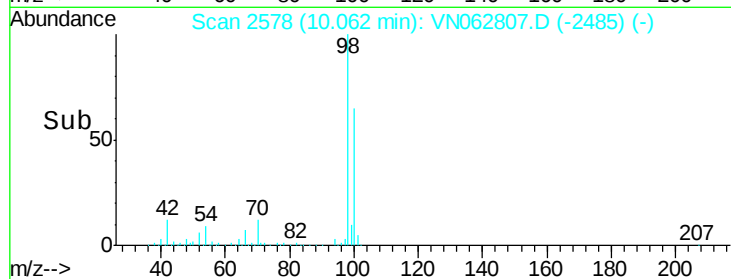
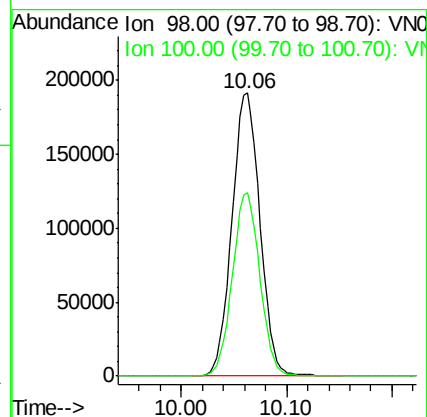
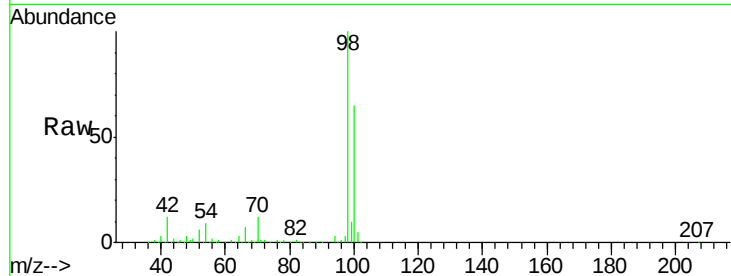
BP-VPB179-GW-438-440

Tot Ion: 98 Resp: 351553

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062807.D

Acq: 10 Aug 2020 14:32

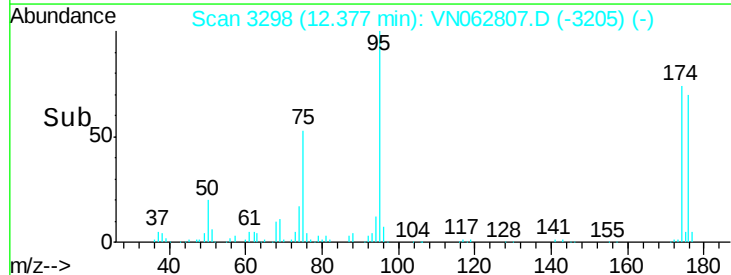
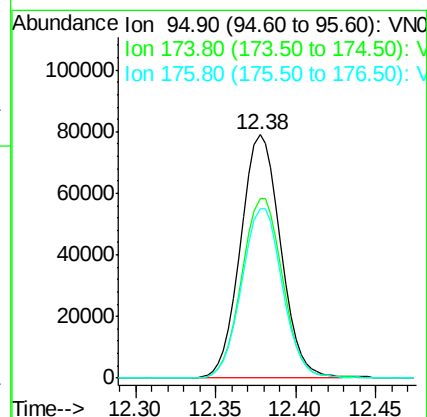
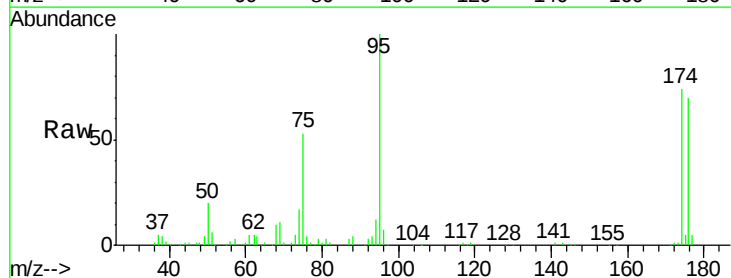
Tgt Ion: 95 Resp: 134944

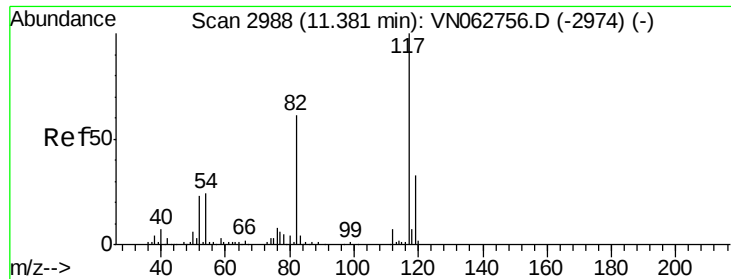
Ion Ratio Lower Upper

95 100

174 75.6 0.0 144.8

176 71.0 0.0 142.2

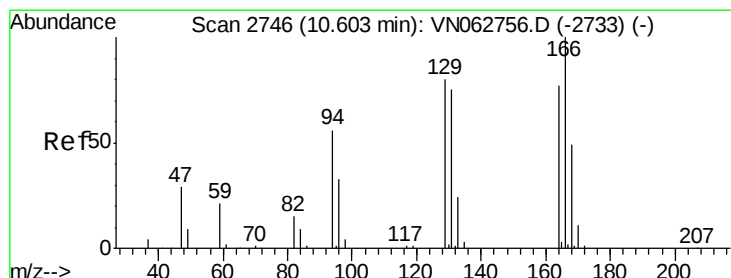
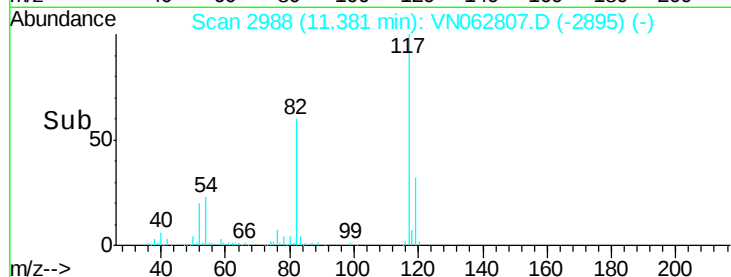
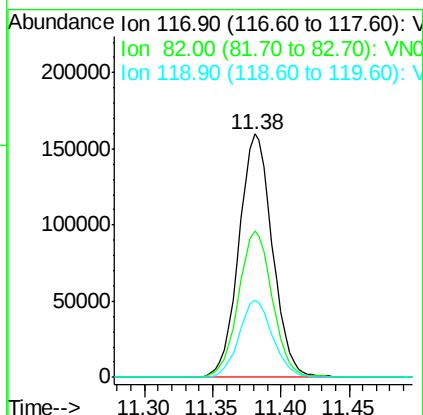
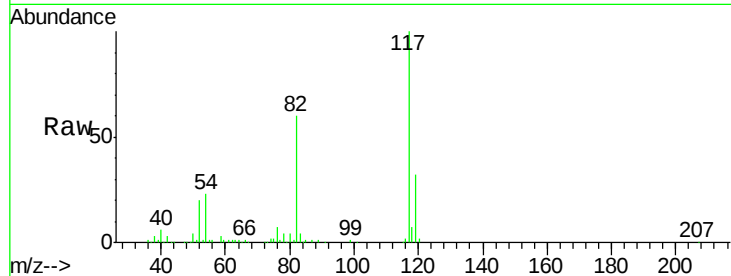




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062807.D  
Acq: 10 Aug 2020 14:32

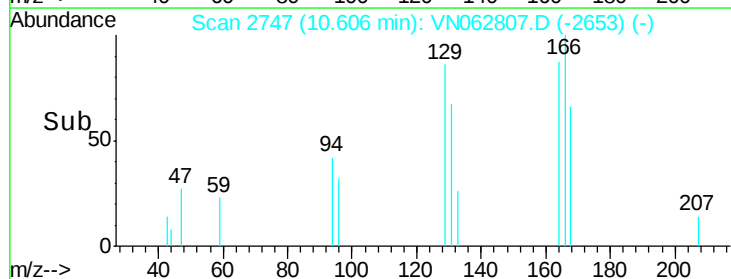
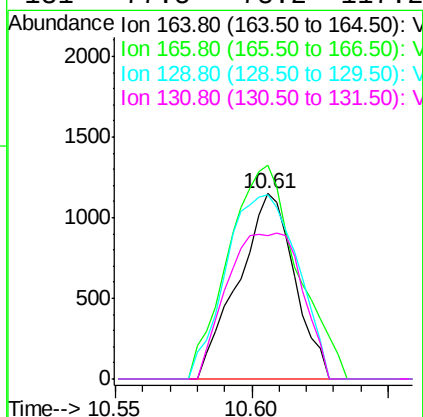
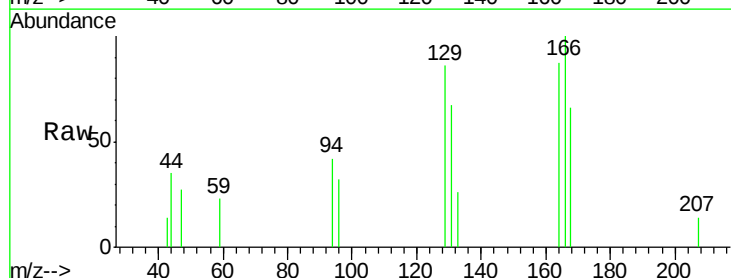
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-VPB179-GW-438-440

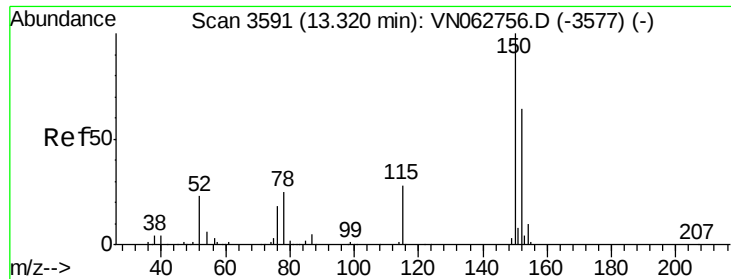
Tot Ion:117 Resp: 272828  
Ion Ratio Lower Upper  
117 100  
82 60.0 49.0 73.4  
119 31.8 26.2 39.2



#64  
Tetrachloroethene  
Concen: 0.928 ug/l  
RT: 10.61 min Scan# 2747  
Delta R.T. 0.00 min  
Lab File: VN062807.D  
Acq: 10 Aug 2020 14:32

Tgt Ion:164 Resp: 1634  
Ion Ratio Lower Upper  
164 100  
166 115.4 103.8 155.8  
129 99.3 82.7 124.1  
131 77.5 78.2 117.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062807.D

Acq: 10 Aug 2020 14:32

Instrument :

MSVOA\_N

ClientSampleId :

BP-VPB179-GW-438-440

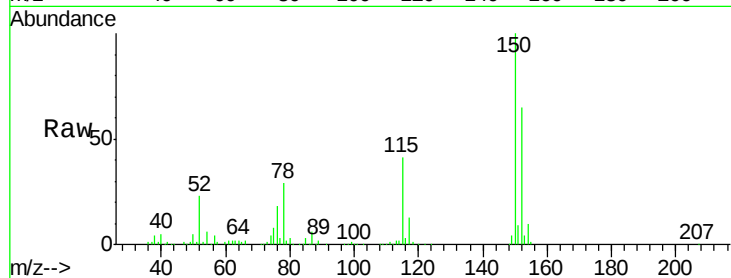
Tot Ion:152 Resp: 112376

Ion Ratio Lower Upper

152 100

115 62.3 31.6 94.8

150 155.3 0.0 349.2



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

