

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063020\  
 Data File : VN062246.D  
 Acq On : 30 Jun 2020 17:51  
 Operator : JC/MD  
 Sample : L3127-03 200X  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 DUP04-20200625

Quant Time: Jul 01 04:53:41 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  | 193273   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 372108   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 355535   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 122048   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 151775   | 55.96 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.92% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 121519   | 50.90 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.80% |          |
| 50) Toluene-d8              | 10.06 | 98   | 483391   | 50.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.32% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 152946   | 47.44 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.88%  |          |

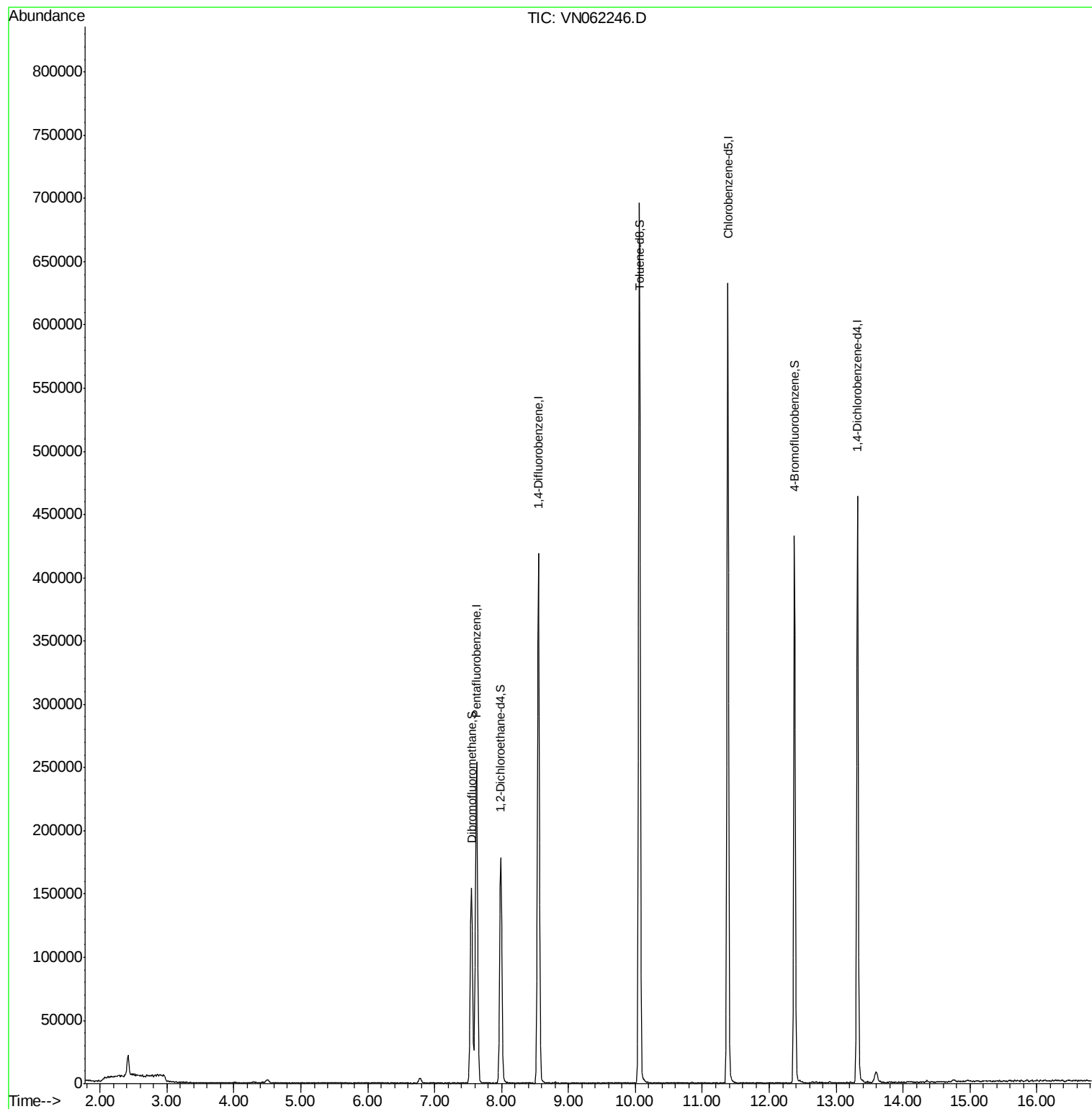
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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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

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Instrument :

MSVOA\_N

ClientSampleId :

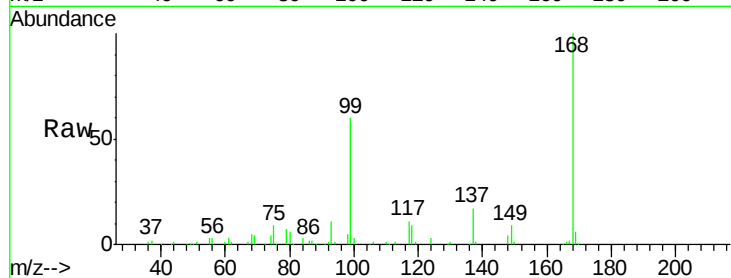
DUP04-20200625

Tot Ion:168 Resp: 193273

Ion Ratio Lower Upper

168 100

99 60.0 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

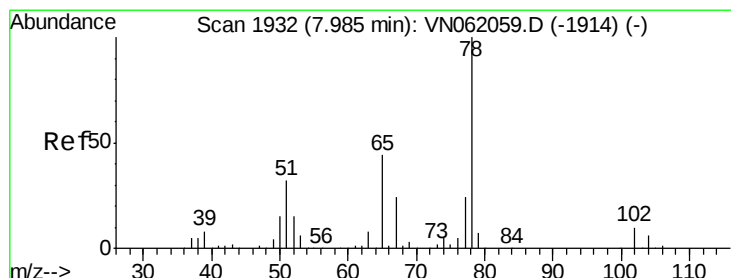
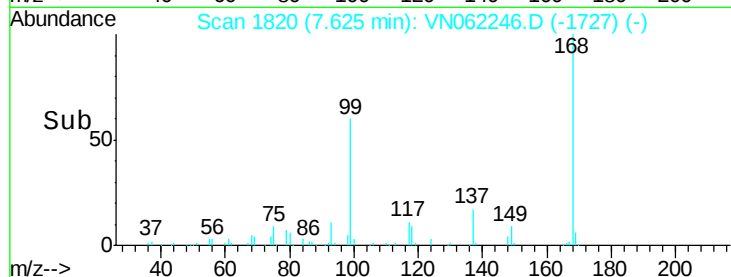
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 55.959 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062246.D

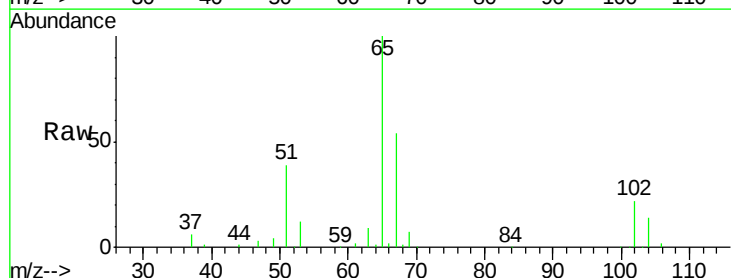
Acq: 30 Jun 2020 17:51

Tgt Ion: 65 Resp: 151775

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

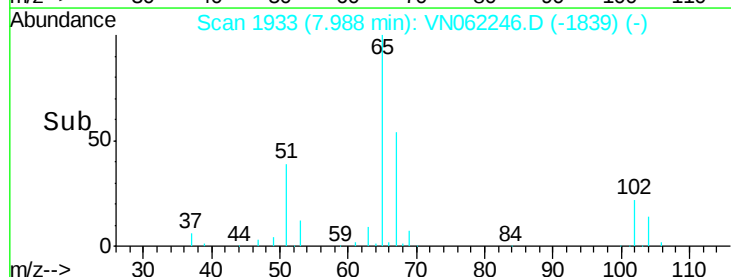
60000

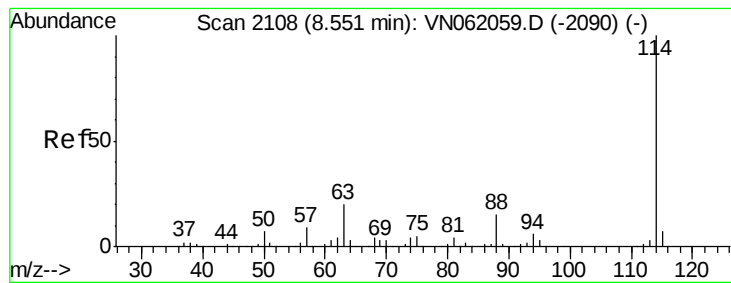
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

Instrument :

MSVOA\_N

ClientSampleId :

DUP04-20200625

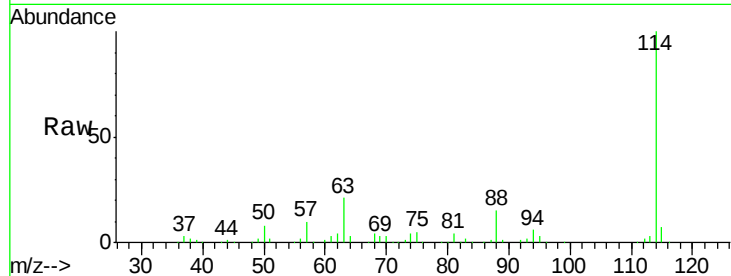
Tot Ion:114 Resp: 372108

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.2

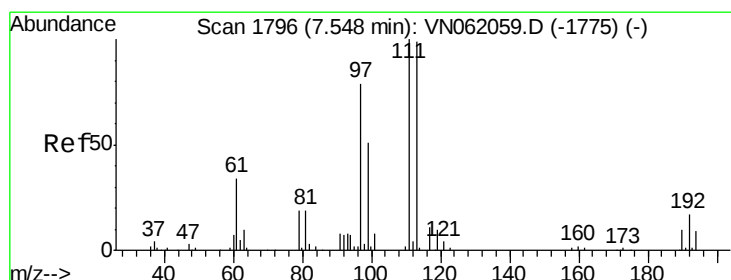
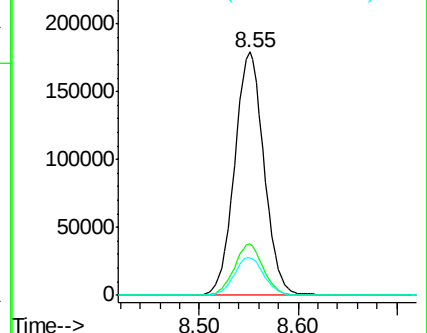
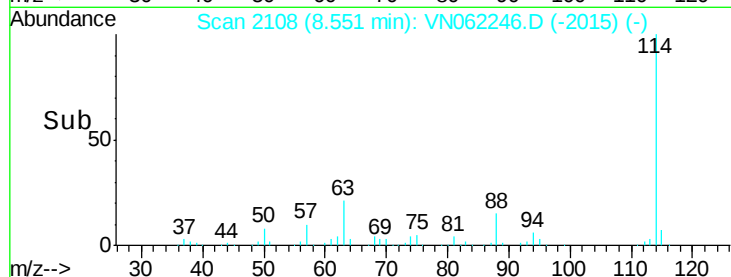
88 15.5 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.903 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

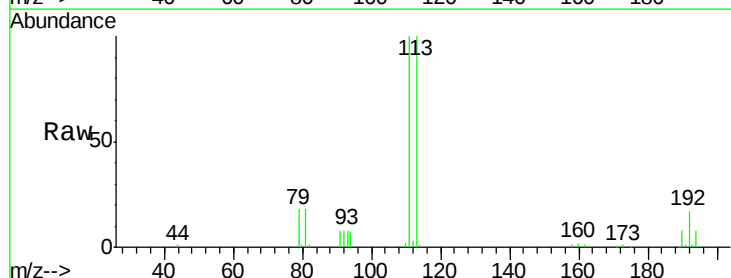
Tgt Ion:113 Resp: 121519

Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

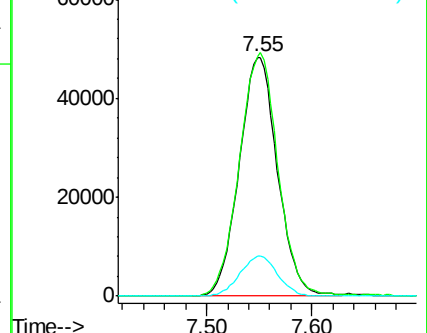
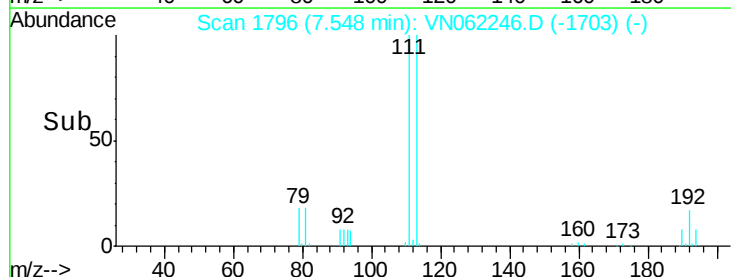
192 16.6 14.0 21.0

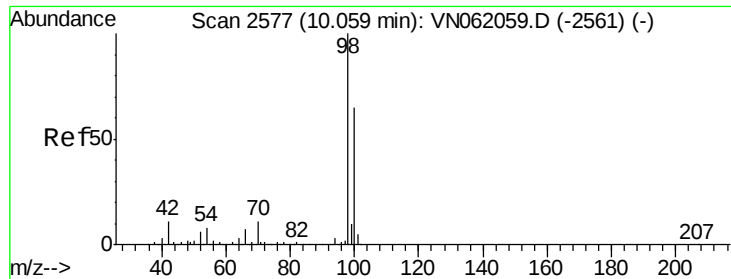


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.656 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

Instrument :

MSVOA\_N

ClientSampleId :

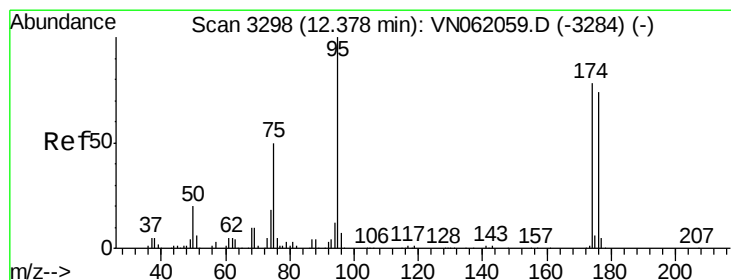
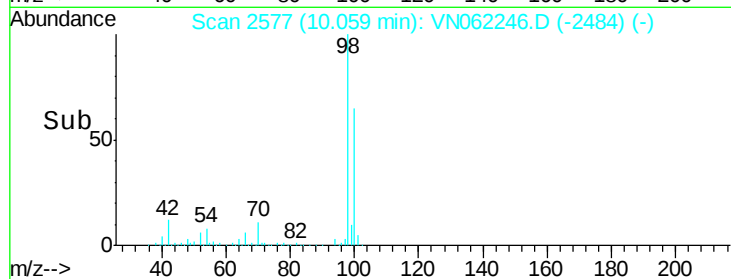
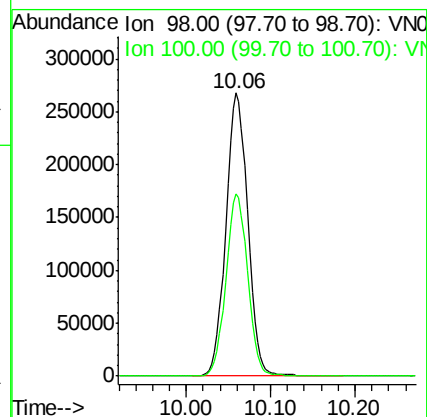
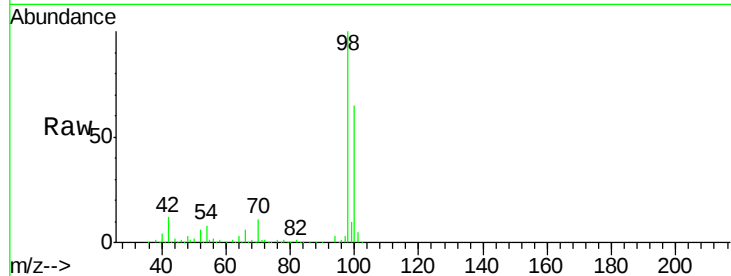
DUP04-20200625

Tot Ion: 98 Resp: 483391

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 47.439 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062246.D

Acq: 30 Jun 2020 17:51

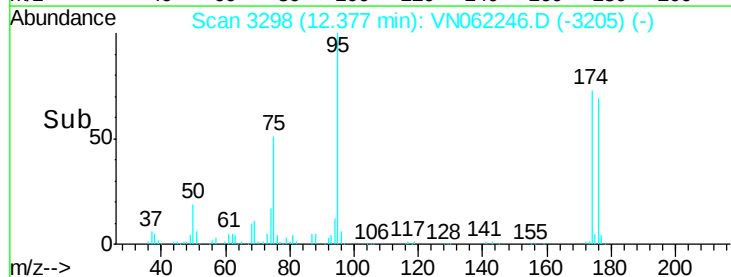
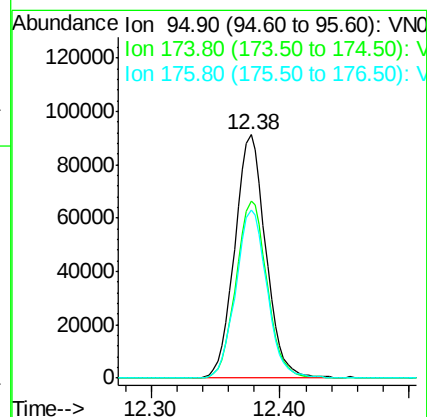
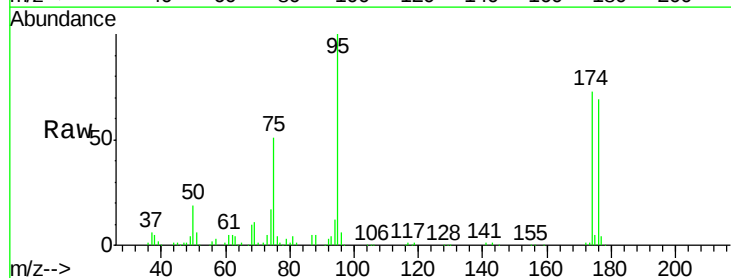
Tgt Ion: 95 Resp: 152946

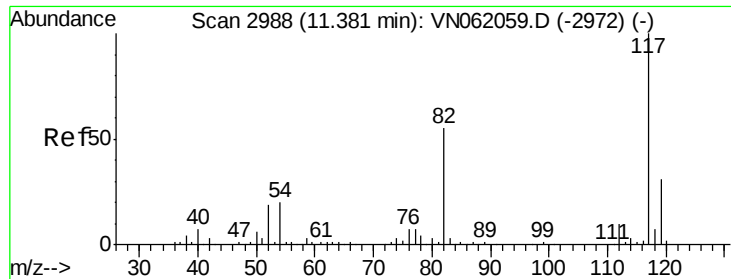
Ion Ratio Lower Upper

95 100

174 72.7 0.0 154.8

176 69.3 0.0 147.4

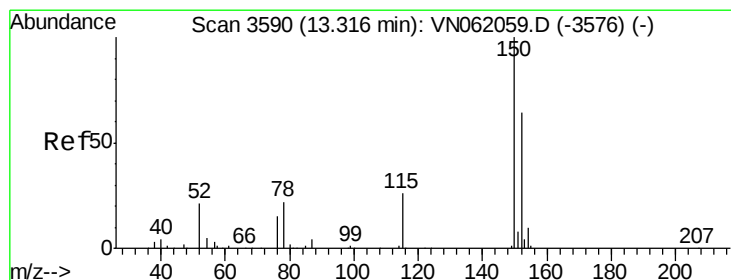
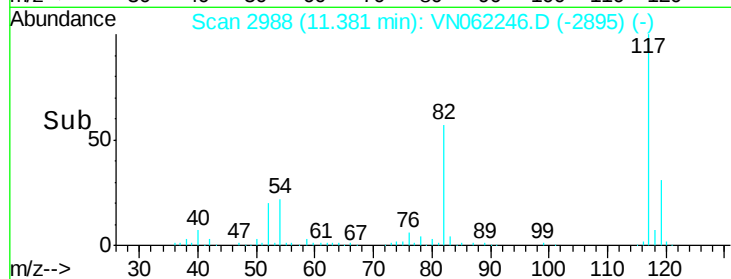
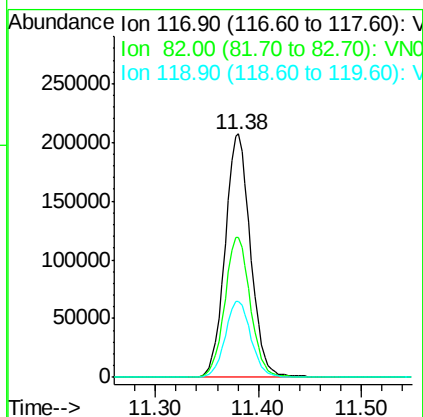
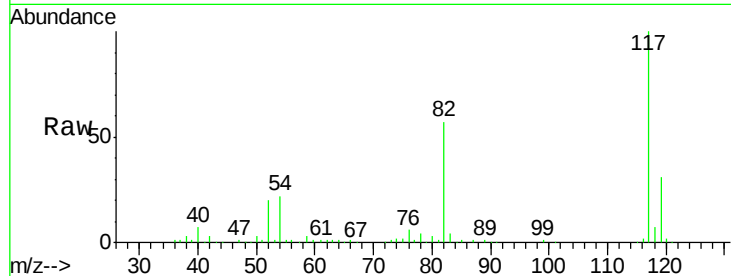




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. -0.00 min  
Lab File: VN062246.D  
Acq: 30 Jun 2020 17:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
DUP04-20200625

Tot Ion:117 Resp: 35535  
Ion Ratio Lower Upper  
117 100  
82 57.5 43.8 65.8  
119 31.4 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: VN062246.D  
Acq: 30 Jun 2020 17:51

Tgt Ion:152 Resp: 122048  
Ion Ratio Lower Upper  
152 100  
115 60.9 29.5 88.5  
150 157.5 0.0 351.4

