

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\  
 Data File : VN056820.D  
 Acq On : 19 Jul 2019 10:38  
 Operator : JC/SP  
 Sample : VN0719WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0719WBL01

Quant Time: Jul 19 23:28:52 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 16 07:03:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 240677   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 432247   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 442019   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 147574   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 139711   | 52.48 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.96% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 129418   | 48.11 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.22%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 535653   | 51.56 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.12% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 184905   | 52.78 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.56% |          |

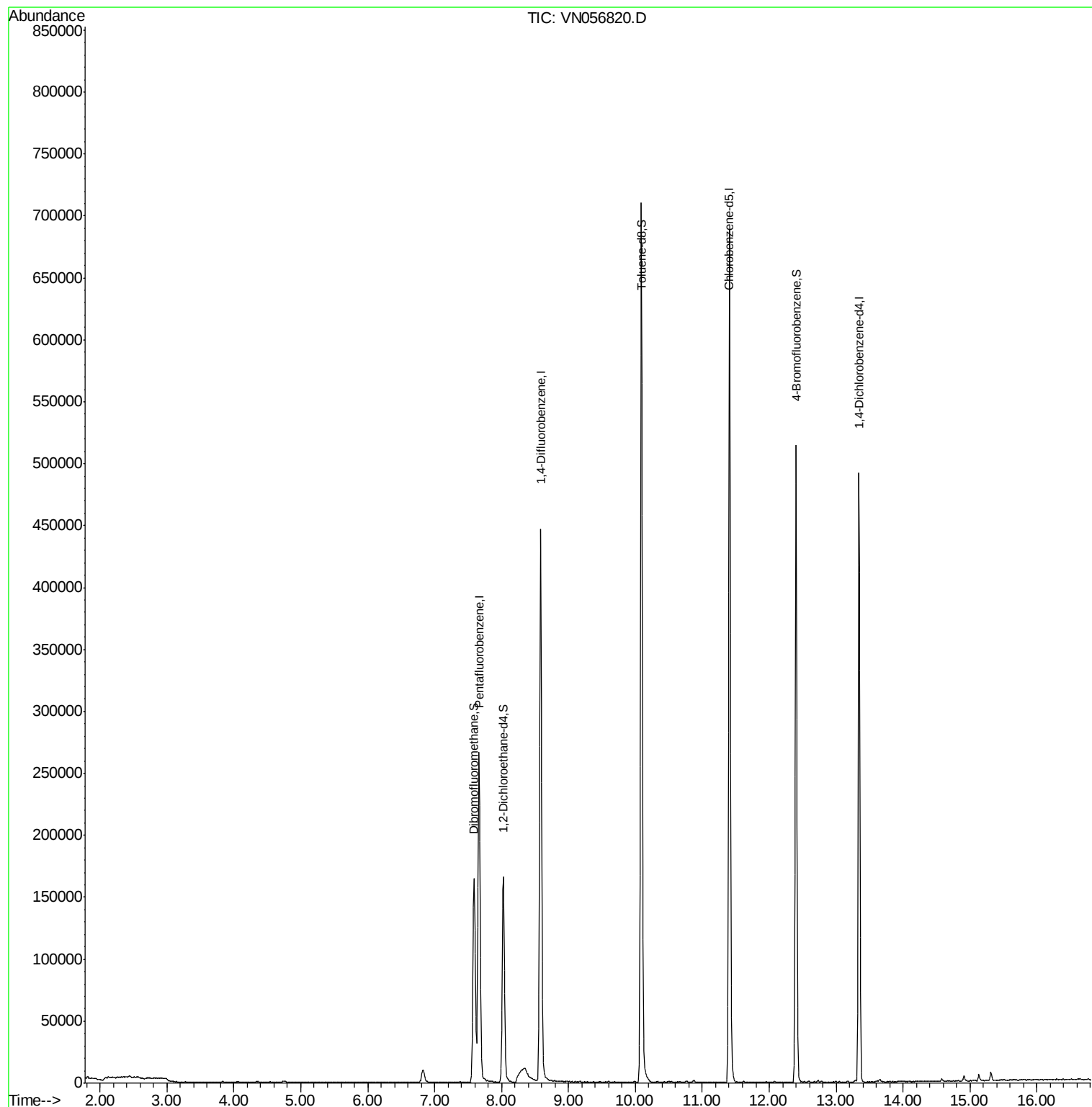
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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Quant Title : SW846 8260  
QLast Update : Tue Jul 16 07:03:34 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056820.D

Acq: 19 Jul 2019 10:38

Instrument :

MSVOA\_N

ClientSampleId :

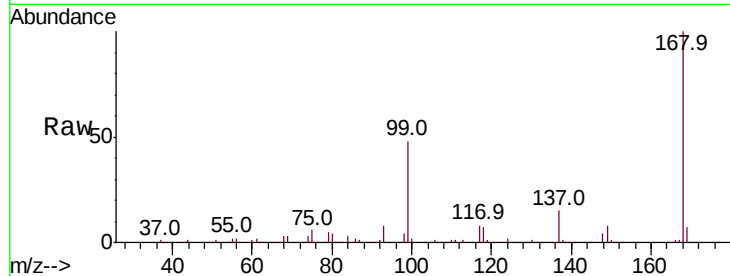
VN0719WBL01

Tot Ion:168 Resp: 240677

Ion Ratio Lower Upper

168 100

99 48.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

100000

80000

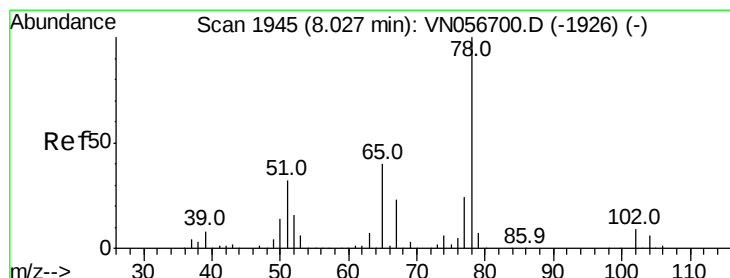
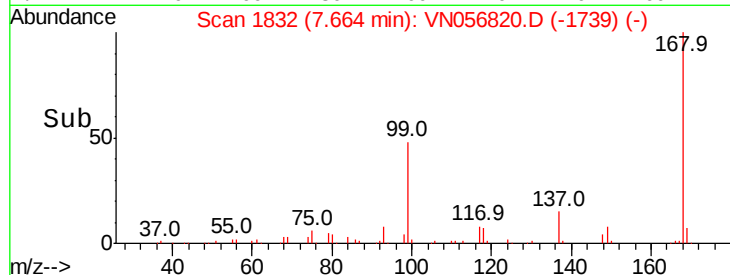
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#33

1,2-Dichloroethane-d4

Concen: 52.479 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056820.D

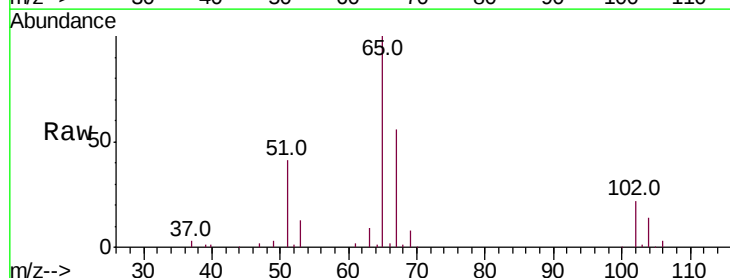
Acq: 19 Jul 2019 10:38

Tgt Ion: 65 Resp: 139711

Ion Ratio Lower Upper

65 100

67 55.4 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

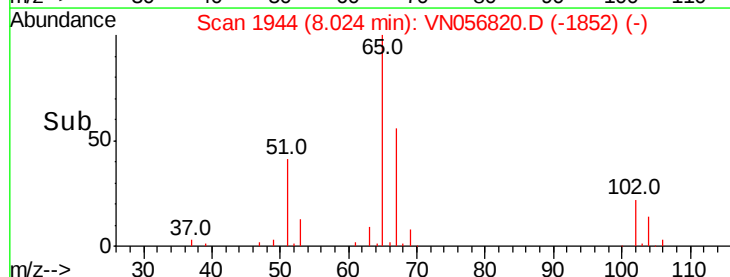
60000

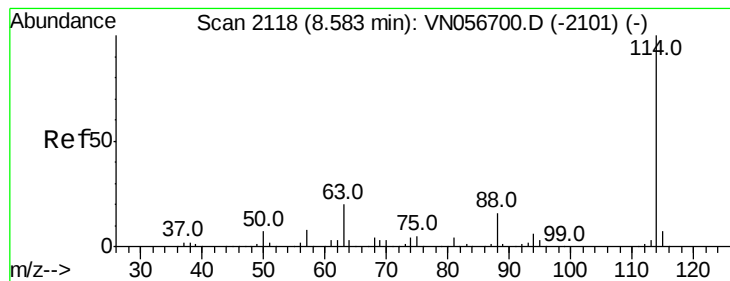
40000

20000

0

Time--> 7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN056820.D

Acq: 19 Jul 2019 10:38

Instrument :

MSVOA\_N

ClientSampleId :

VN0719WBL01

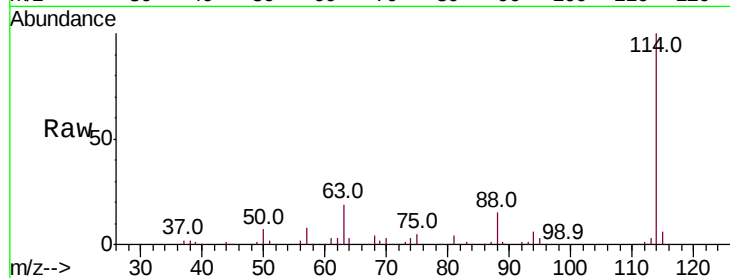
Tot Ion:114 Resp: 432247

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

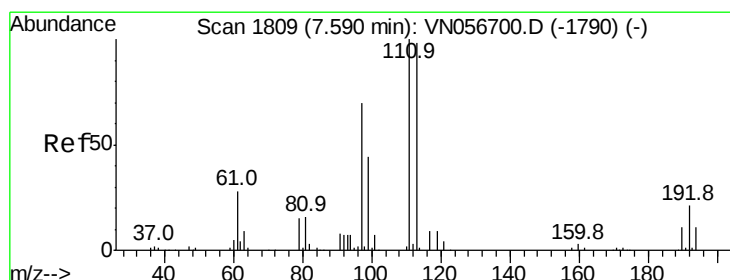
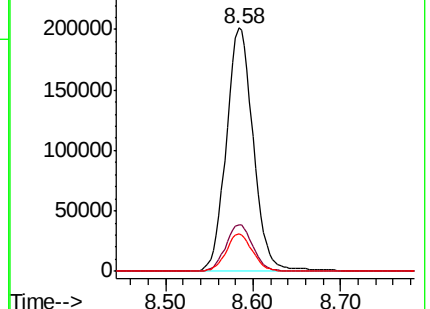
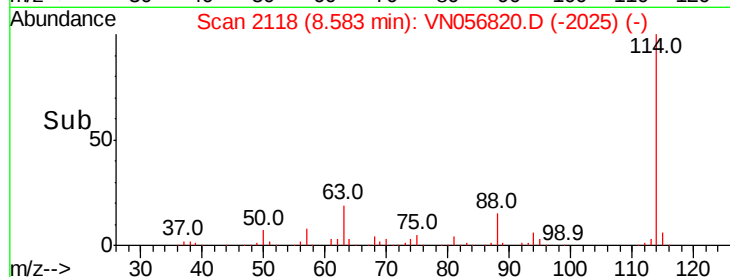
88 15.2 0.0 31.2



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: 48.111 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056820.D

Acq: 19 Jul 2019 10:38

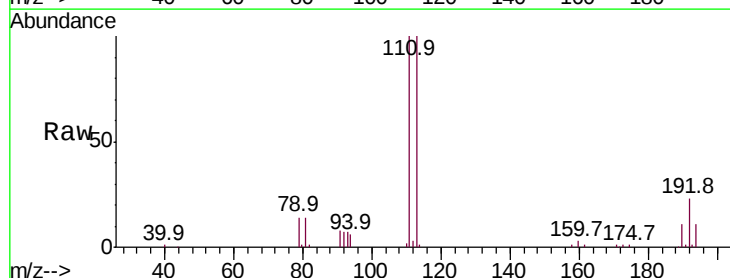
Tgt Ion:113 Resp: 129418

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.6

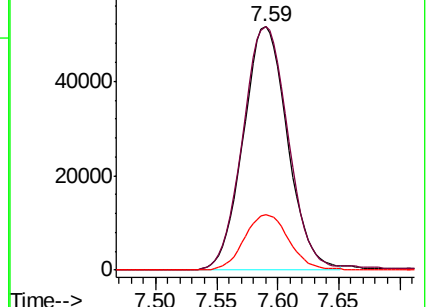
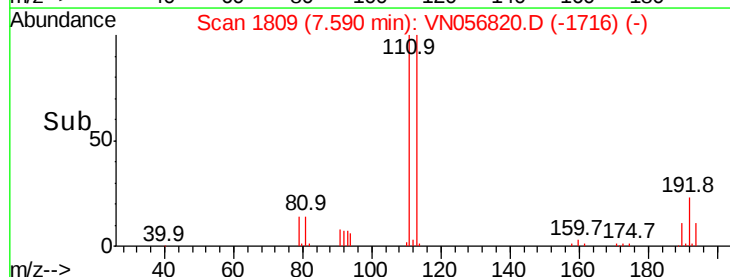
192 23.0 17.5 26.3

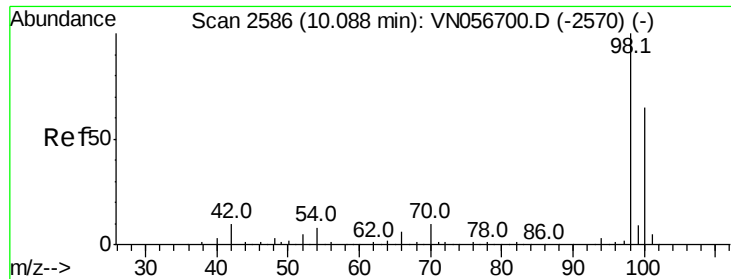


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 51.558 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056820.D

Acq: 19 Jul 2019 10:38

Instrument :

MSVOA\_N

ClientSampleId :

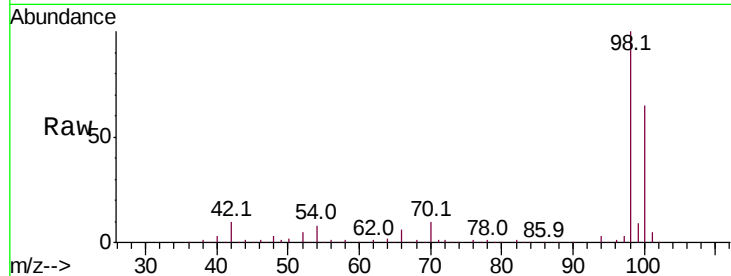
VN0719WBL01

Tot Ion: 98 Resp: 535653

Ion Ratio Lower Upper

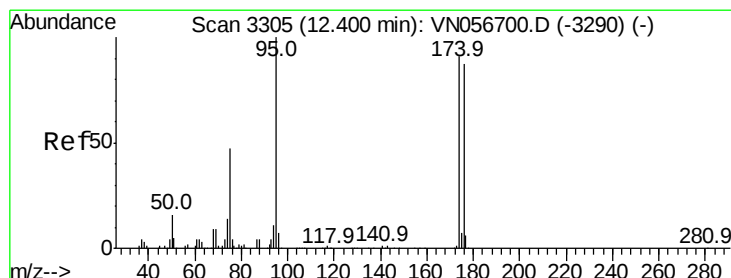
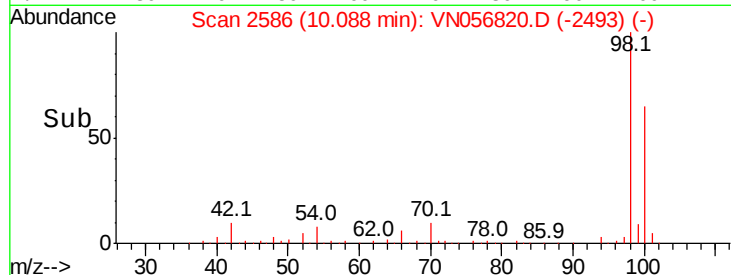
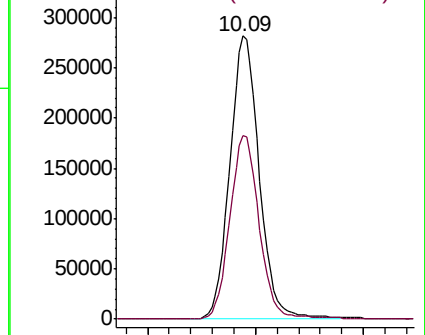
98 100

100 65.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 52.776 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056820.D

Acq: 19 Jul 2019 10:38

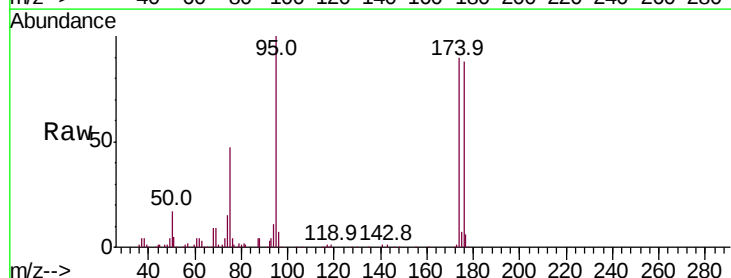
Tgt Ion: 95 Resp: 184905

Ion Ratio Lower Upper

95 100

174 91.4 0.0 180.0

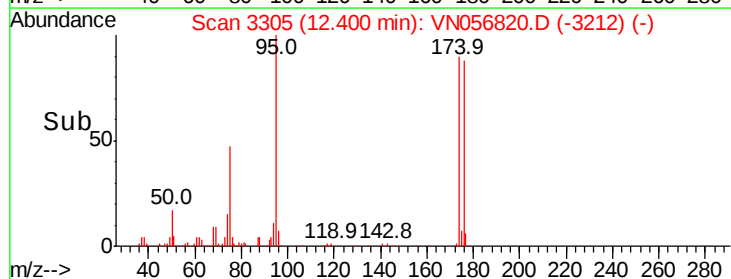
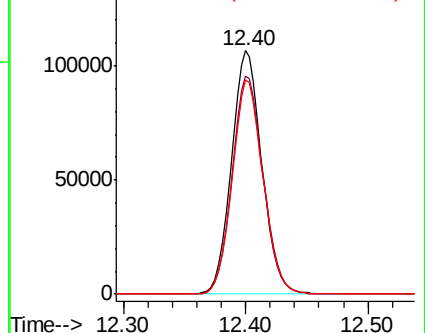
176 89.0 0.0 173.2

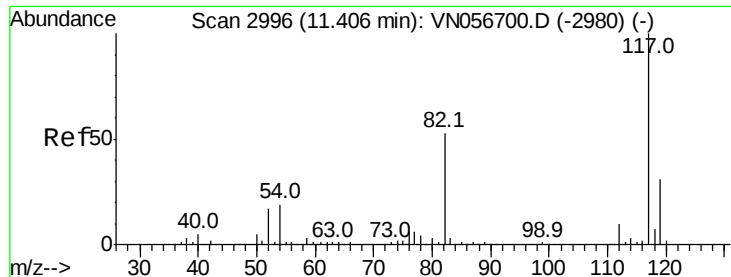


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

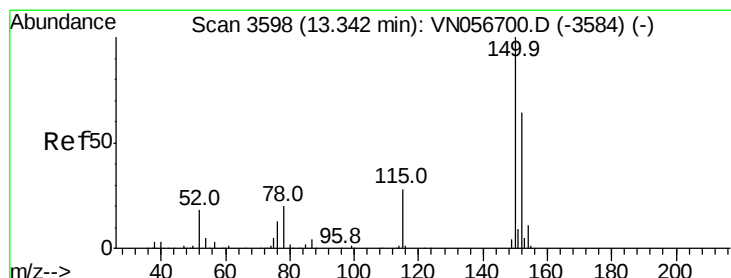
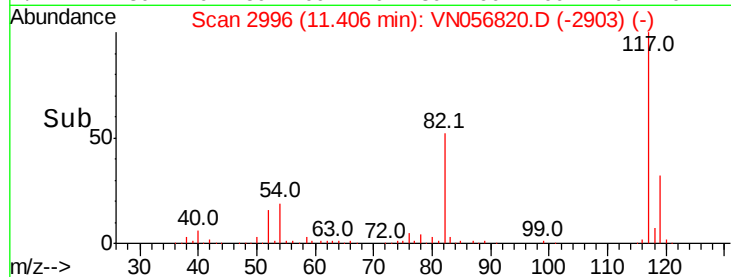
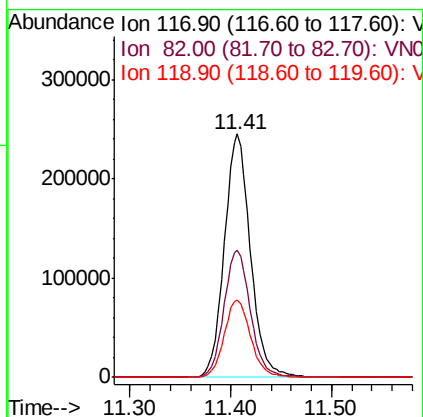
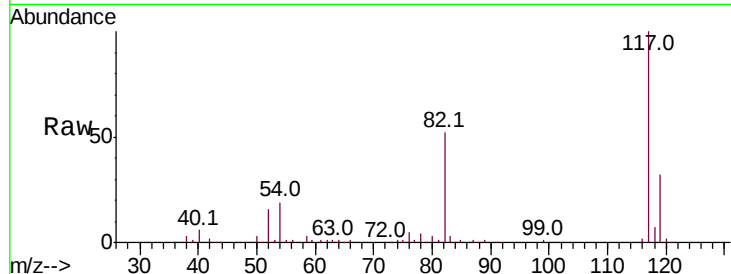




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN056820.D  
Acq: 19 Jul 2019 10:38

Instrument :  
MSVOA\_N  
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VN0719WBL01

Tot Ion:117 Resp: 442019  
Ion Ratio Lower Upper  
117 100  
82 52.5 42.2 63.2  
119 31.9 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN056820.D  
Acq: 19 Jul 2019 10:38

Tgt Ion:152 Resp: 147574  
Ion Ratio Lower Upper  
152 100  
115 52.5 28.2 84.7  
150 153.9 0.0 345.8

