

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\  
 Data File : VN054799.D  
 Acq On : 30 Mar 2019 13:46  
 Operator : JC/SP  
 Sample : K2185-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRIP-BLANK

Quant Time: Mar 30 23:04:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 520294   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 854651   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 710694   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 242662   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 350803   | 50.02 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.04% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 271634   | 47.67 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.34%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 1026338  | 48.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.90%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 305507   | 43.36 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 86.72%  |      |

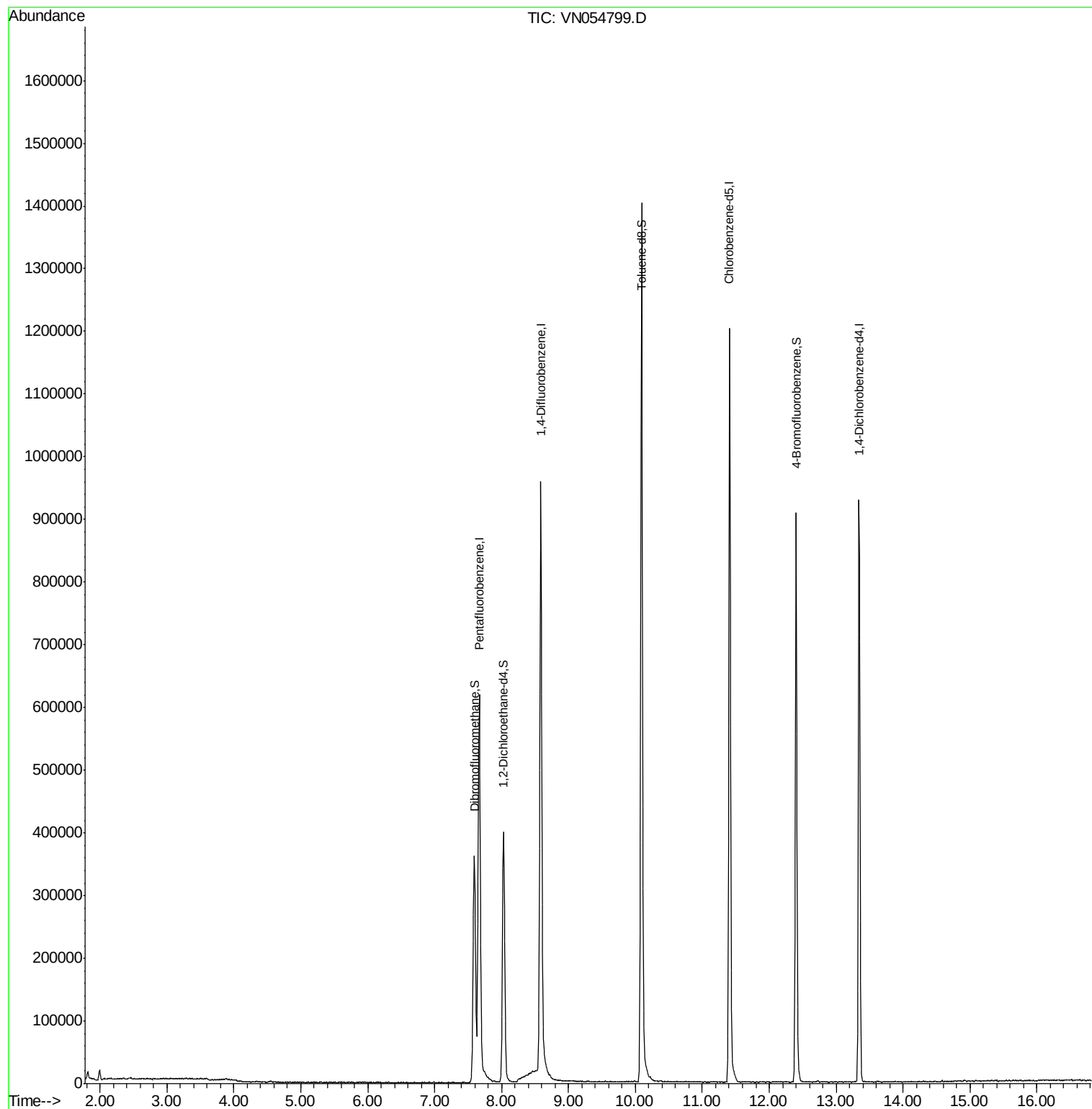
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

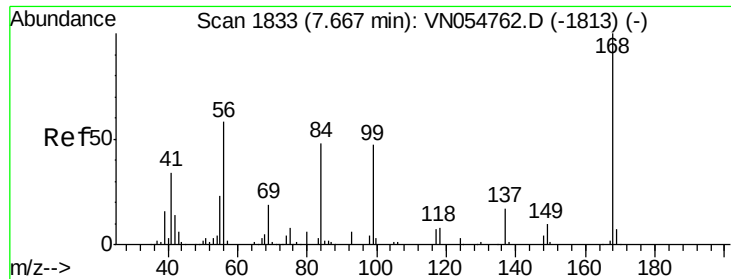
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054799.D

Acq: 30 Mar 2019 13:46

Instrument :

MSVOA\_N

ClientSampleId :

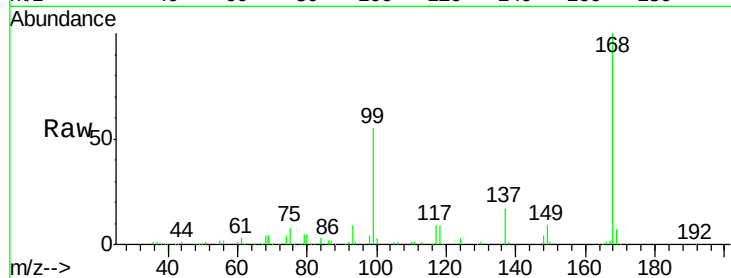
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Tot Ion:168 Resp: 520294

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

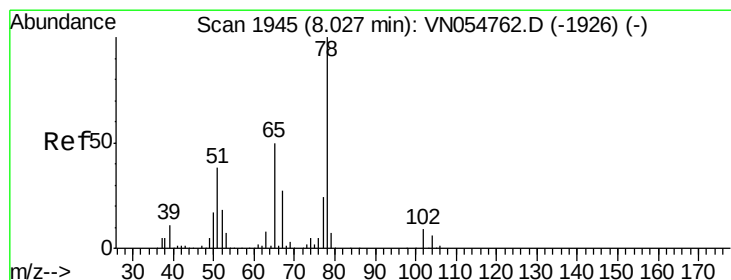
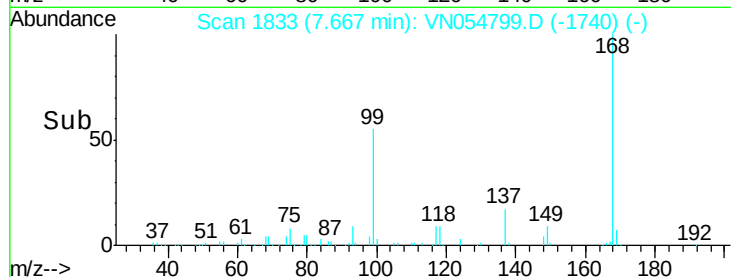
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#33

1,2-Dichloroethane-d4

Concen: 50.017 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054799.D

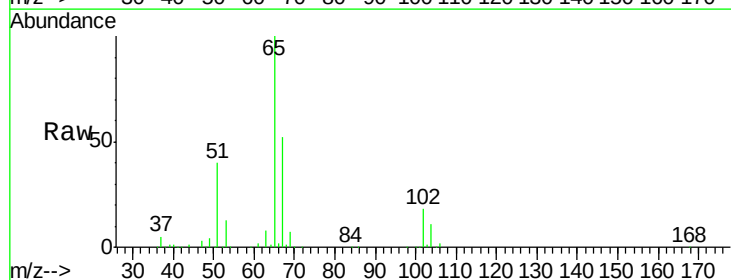
Acq: 30 Mar 2019 13:46

Tgt Ion: 65 Resp: 350803

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

8.03

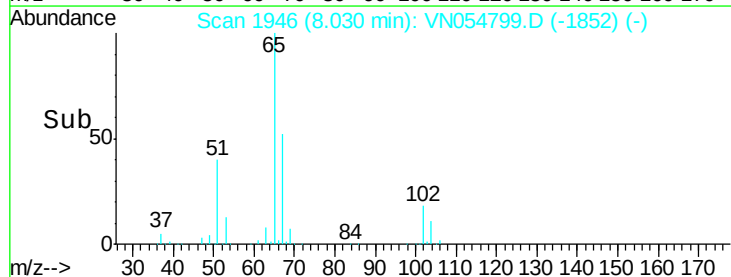
150000

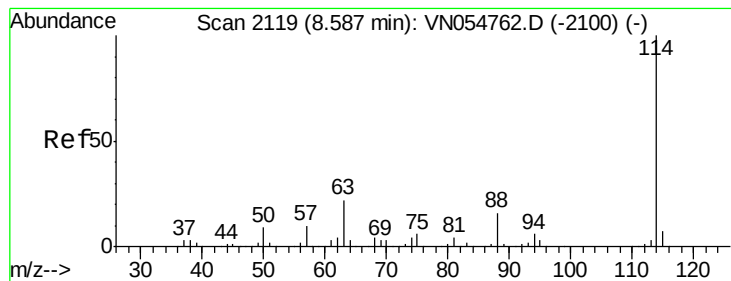
100000

50000

0

Time--> 7.90 8.00 8.10 8.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054799.D

Acq: 30 Mar 2019 13:46

Instrument :

MSVOA\_N

ClientSampleId :

TRIP-BLANK

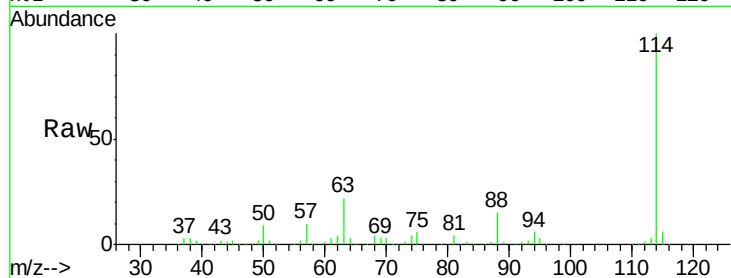
Tot Ion:114 Resp: 854651

Ion Ratio Lower Upper

114 100

63 22.4 0.0 35.2

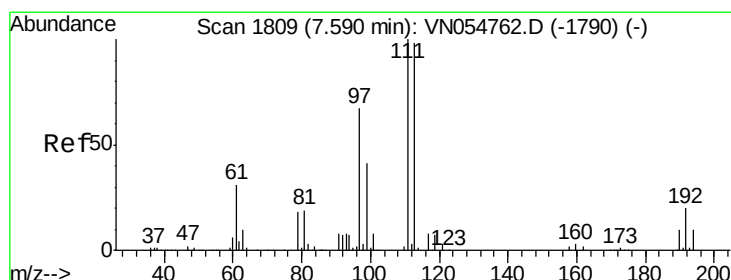
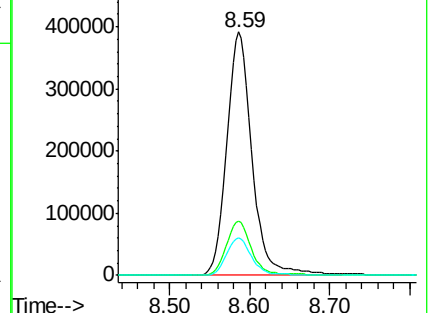
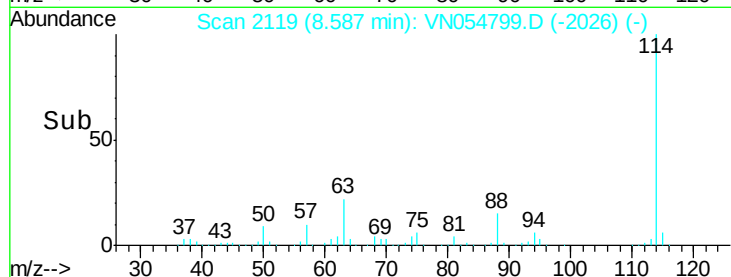
88 15.5 0.0 30.2



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: 47.673 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054799.D

Acq: 30 Mar 2019 13:46

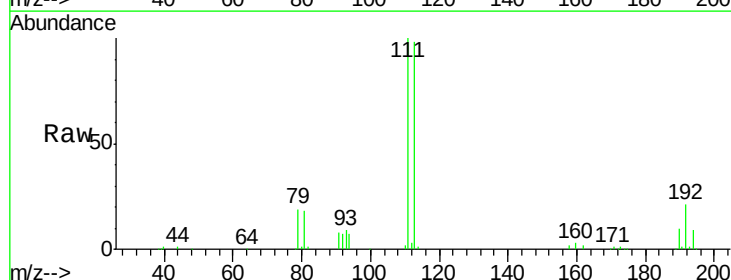
Tgt Ion:113 Resp: 271634

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

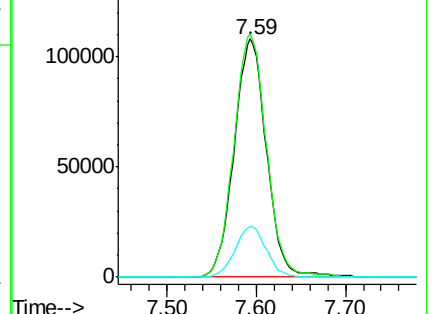
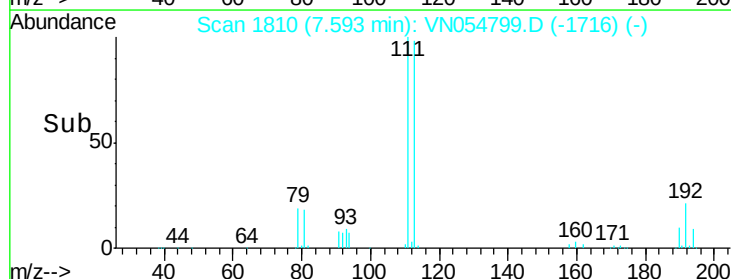
192 20.6 19.2 28.8

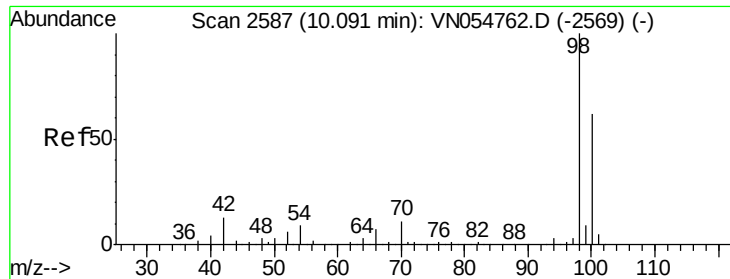


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.450 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054799.D

Acq: 30 Mar 2019 13:46

Instrument :

MSVOA\_N

ClientSampleId :

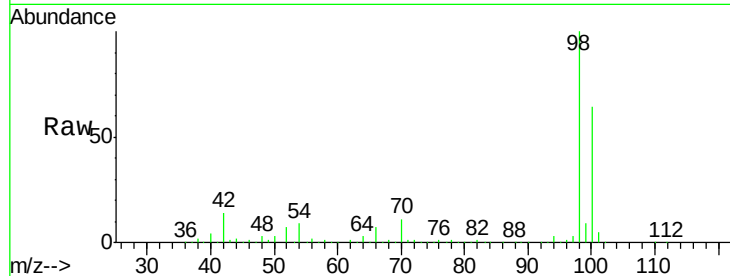
TRIP-BLANK

Tot Ion: 98 Resp: 1026338

Ion Ratio Lower Upper

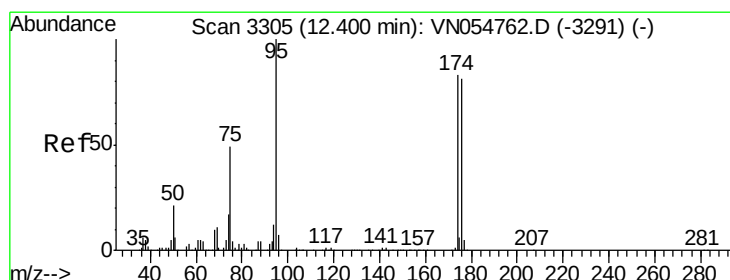
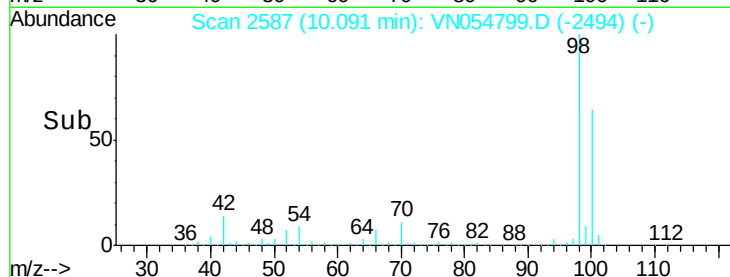
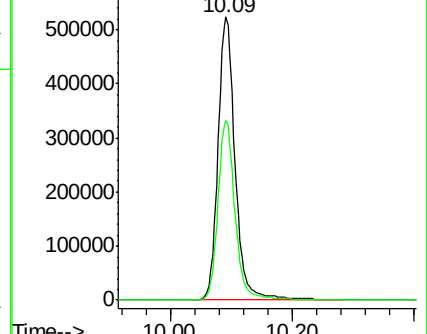
98 100

100 63.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: 43.364 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054799.D

Acq: 30 Mar 2019 13:46

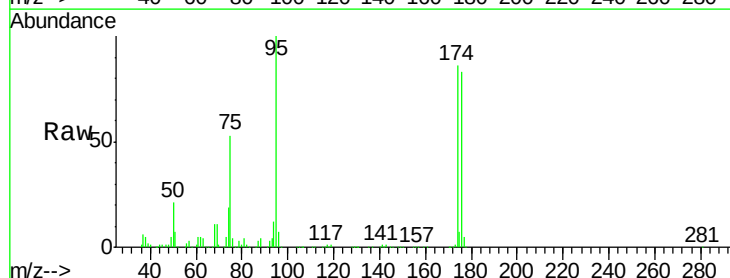
Tgt Ion: 95 Resp: 305507

Ion Ratio Lower Upper

95 100

174 84.4 0.0 191.0

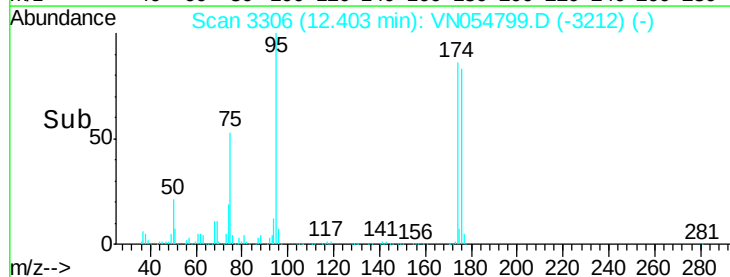
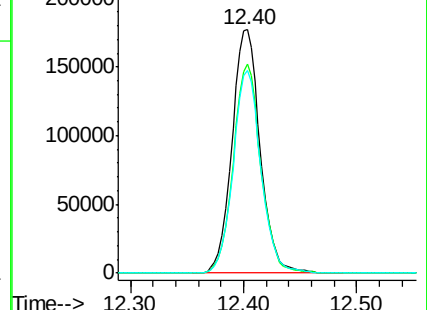
176 82.1 0.0 187.4

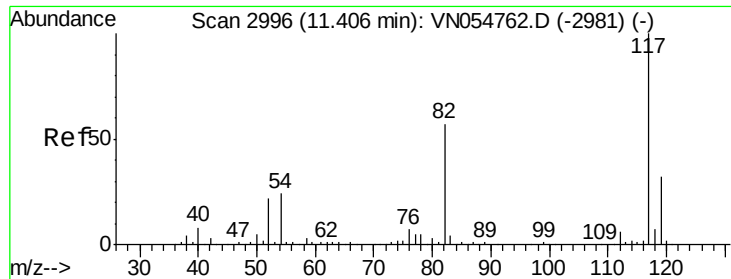


Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)

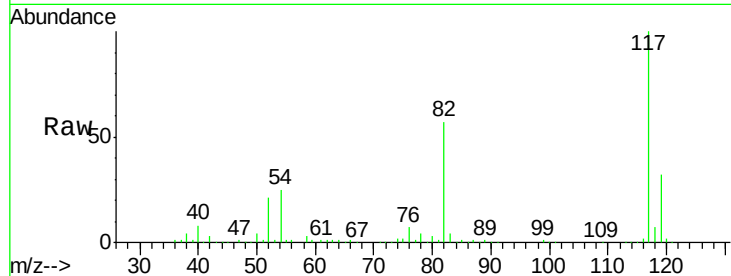




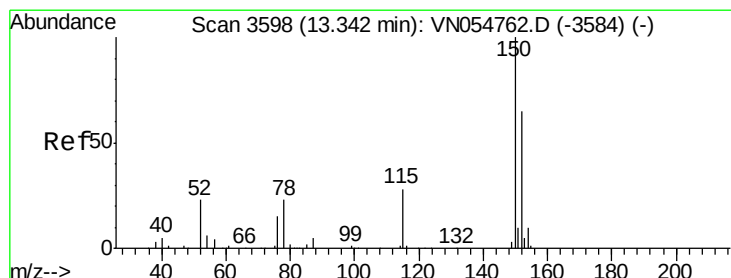
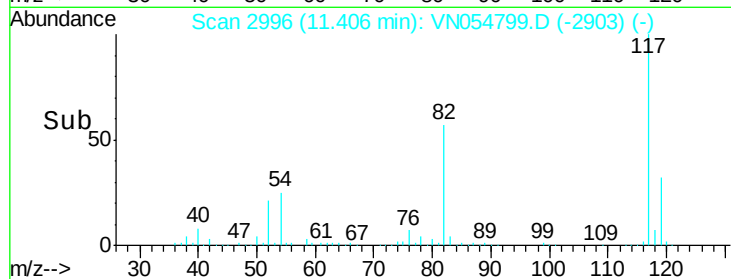
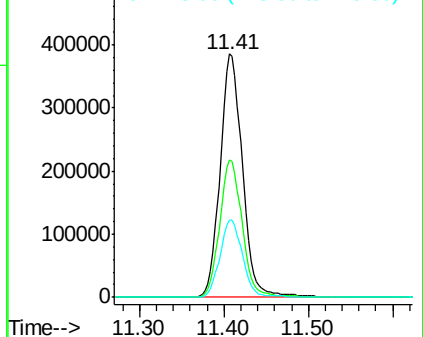
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054799.D  
Acq: 30 Mar 2019 13:46

Instrument :  
MSVOA\_N  
ClientSampled :  
TRIP-BLANK

Tot Ion:117 Resp: 710694  
Ion Ratio Lower Upper  
117 100  
82 56.6 40.0 60.0  
119 31.8 25.8 38.6

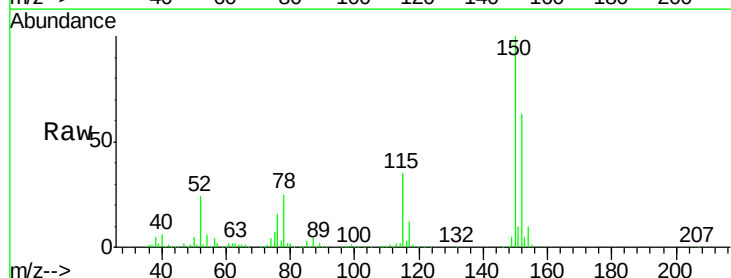


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN054799.D  
Acq: 30 Mar 2019 13:46

Tgt Ion:152 Resp: 242662  
Ion Ratio Lower Upper  
152 100  
115 57.6 27.2 81.6  
150 158.6 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

