

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN112119\  
 Data File : VN059330.D  
 Acq On : 21 Nov 2019 13:06  
 Operator : JC/SP  
 Sample : VN1121MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1121MBL01

Quant Time: Nov 22 06:19:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 08:44:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 410301   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 636123   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 546244   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 199814   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.01   | 65  | 237798   | 48.30 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.60%  |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 187663   | 49.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.34%  |      |
| 50) Toluene-d8              | 10.08  | 98  | 767870   | 50.61 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.22% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 245979   | 46.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.74%  |      |

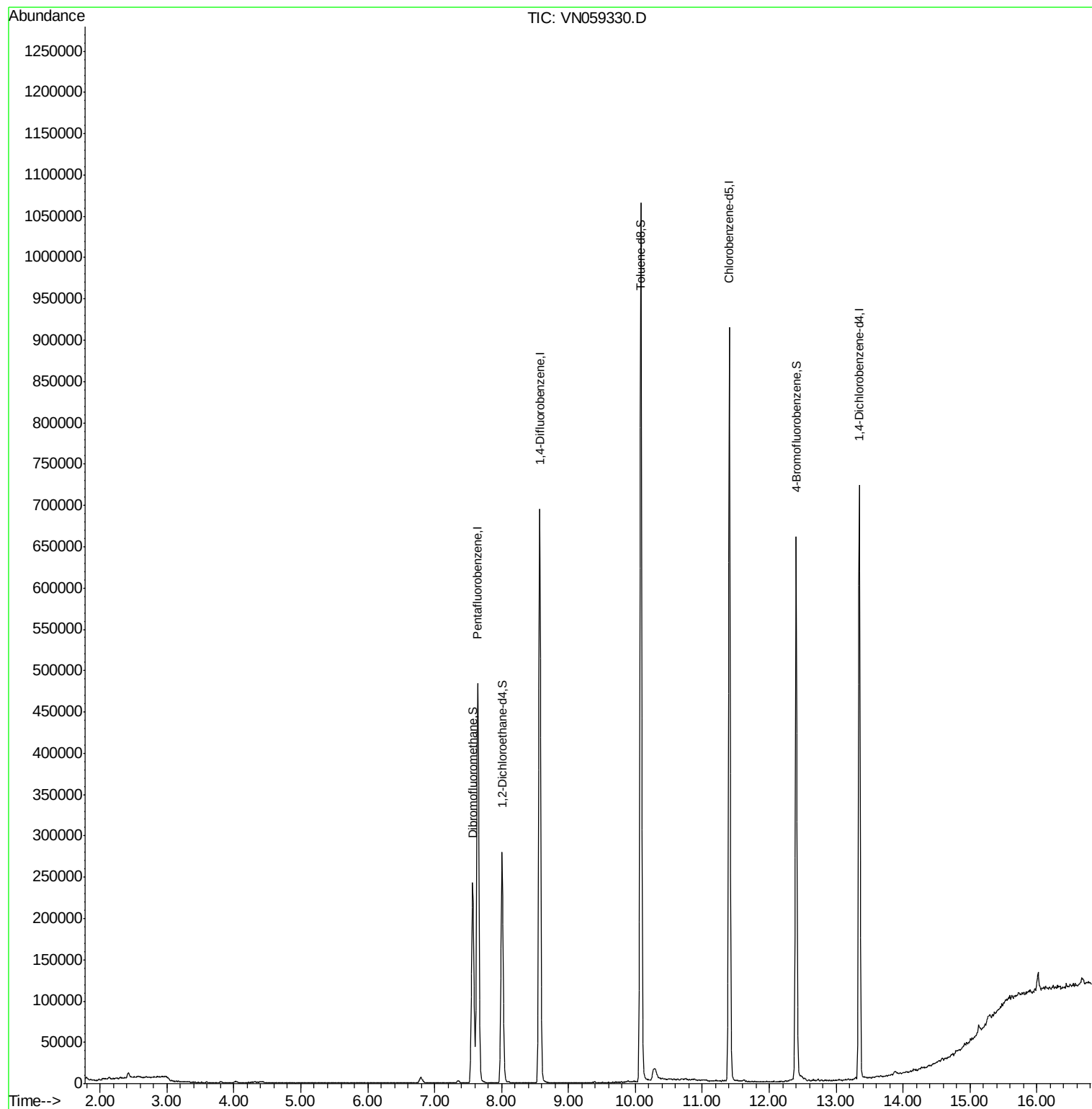
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

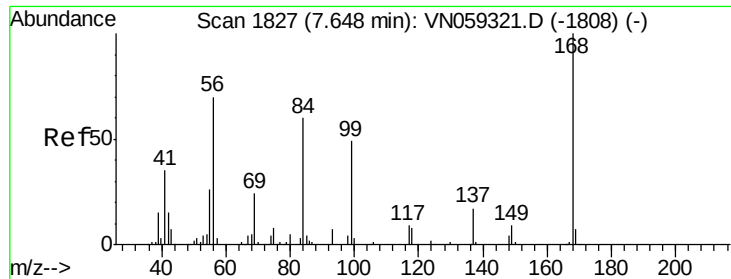
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N112019W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 08:44:45 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059330.D

Acq: 21 Nov 2019 13:06

Instrument :

MSVOA\_N

ClientSampleId :

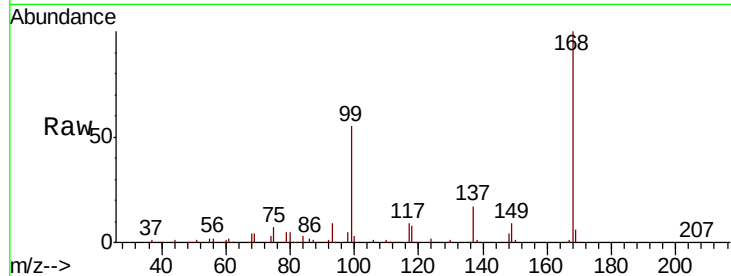
VN1121MBL01

Tot Ion:168 Resp: 410301

Ion Ratio Lower Upper

168 100

99 55.0 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059330.D (-1734) (-)

Ion 98.90 (98.60 to 99.60): VN059330.D (-1734) (-)

7.64

150000

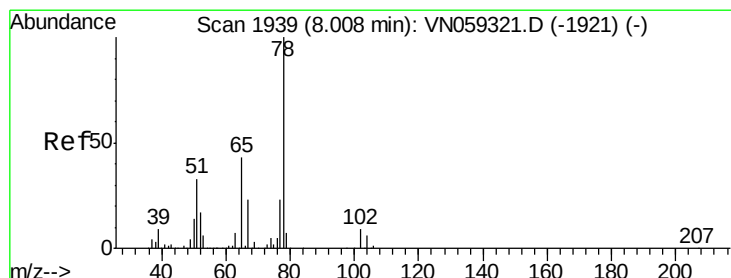
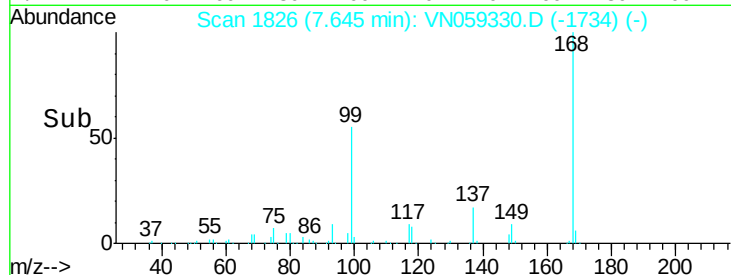
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.304 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059330.D

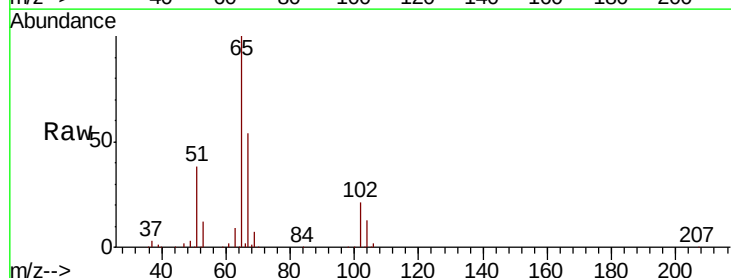
Acq: 21 Nov 2019 13:06

Tgt Ion: 65 Resp: 237798

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VN059330.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059330.D (-1846) (-)

8.01

120000

100000

80000

60000

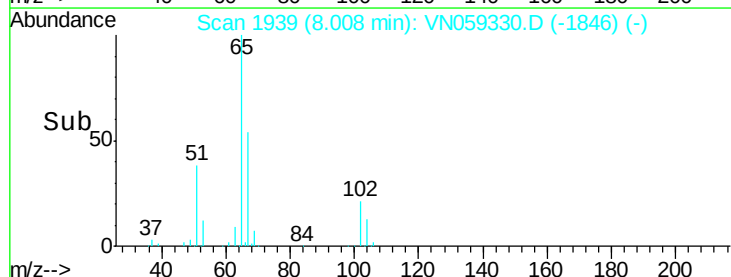
40000

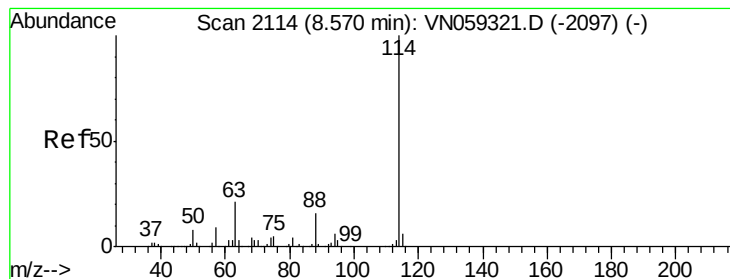
20000

0

7.90 8.00 8.10

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059330.D

Acq: 21 Nov 2019 13:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1121MBL01

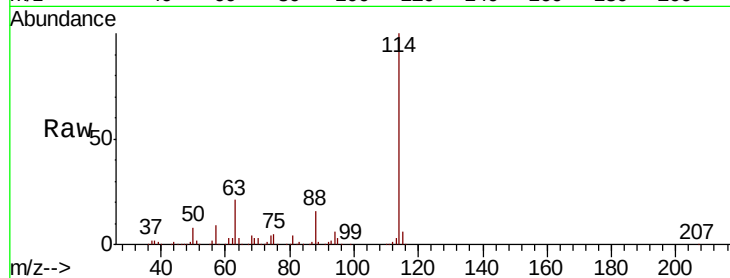
Tot Ion:114 Resp: 636123

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.2

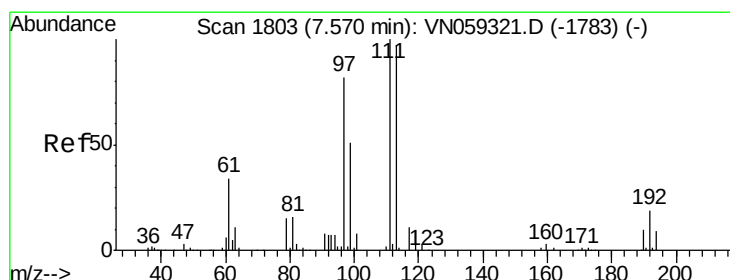
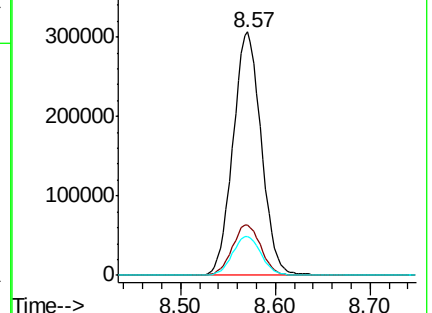
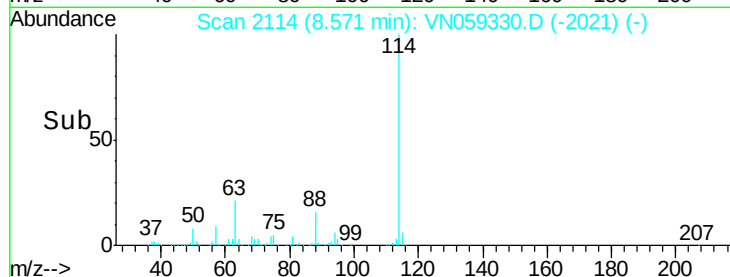
88 15.7 0.0 32.2



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: 49.173 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059330.D

Acq: 21 Nov 2019 13:06

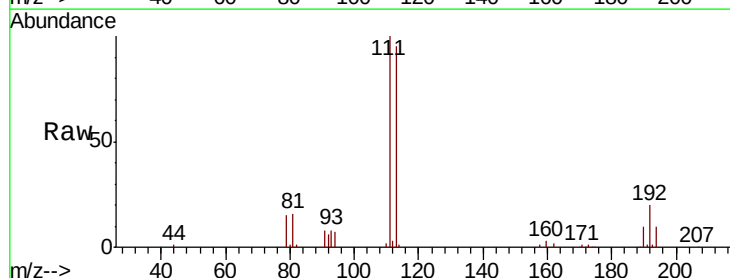
Tgt Ion:113 Resp: 187663

Ion Ratio Lower Upper

113 100

111 103.9 82.7 124.1

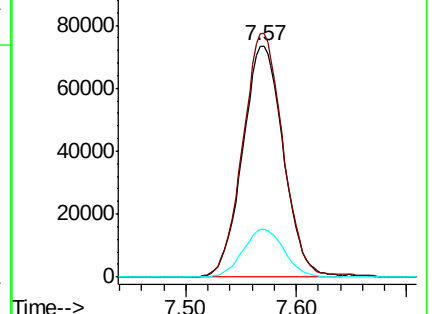
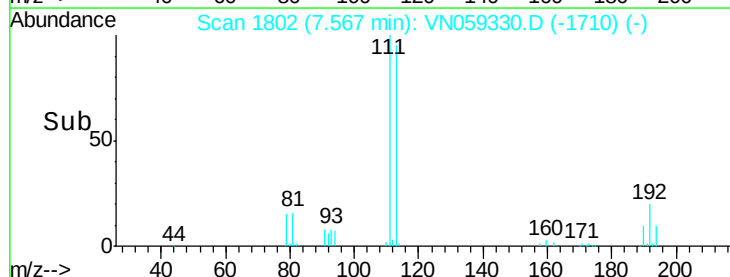
192 20.7 16.3 24.5

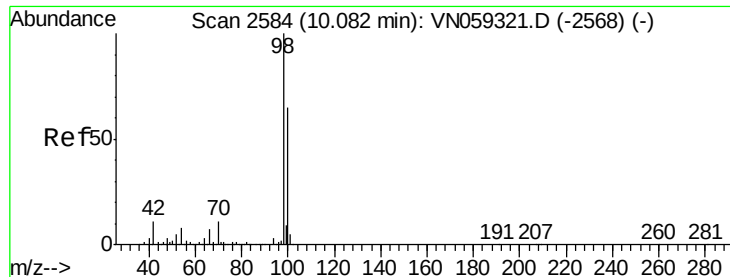


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

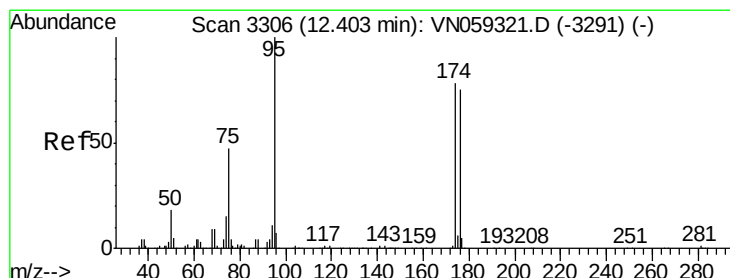
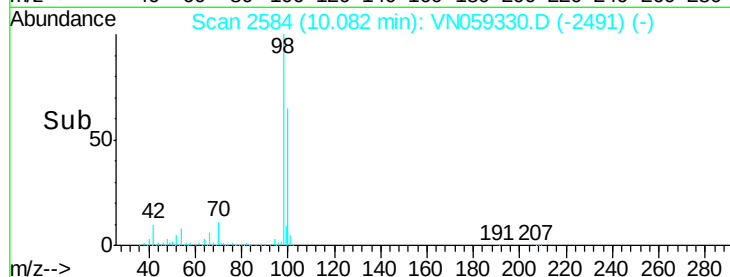
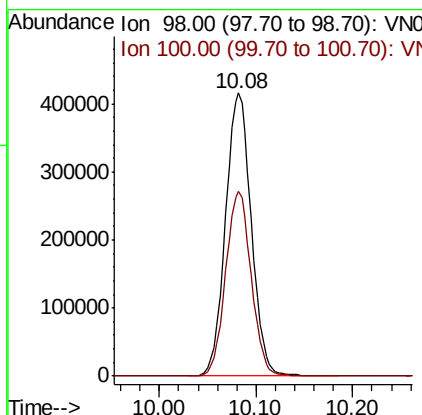
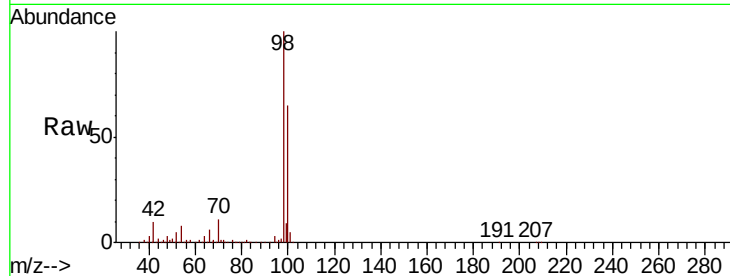




#50  
Toluene-d8  
Concen: 50.612 ug/l  
RT: 10.08 min Scan# 2584  
Delta R.T. 0.00 min  
Lab File: VN059330.D  
Acq: 21 Nov 2019 13:06

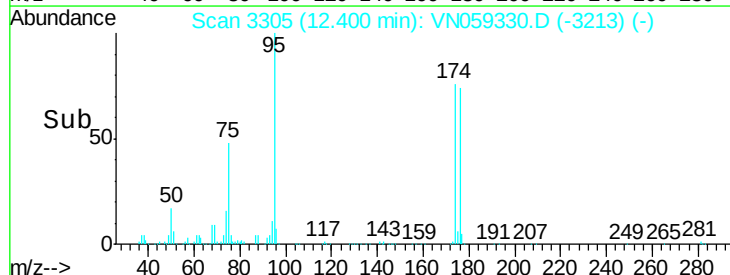
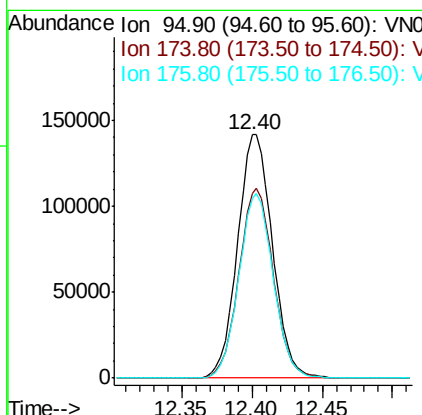
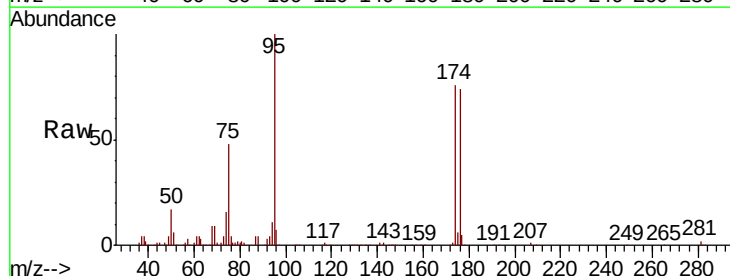
Instrument :  
MSVOA\_N  
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VN1121MBL01

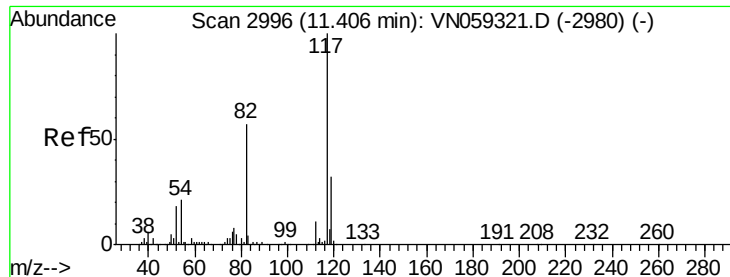
Tot Ion: 98 Resp: 767870  
Ion Ratio Lower Upper  
98 100  
100 65.0 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 46.368 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN059330.D  
Acq: 21 Nov 2019 13:06

Tgt Ion: 95 Resp: 245979  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 157.4  
176 74.9 0.0 151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059330.D

Acq: 21 Nov 2019 13:06

Instrument :

MSVOA\_N

ClientSampleId :

VN1121MBL01

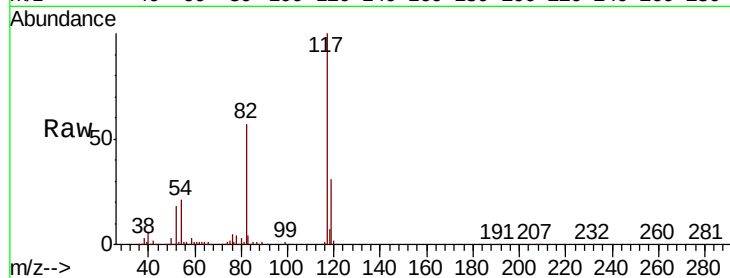
Tot Ion:117 Resp: 546244

Ion Ratio Lower Upper

117 100

82 56.8 45.7 68.5

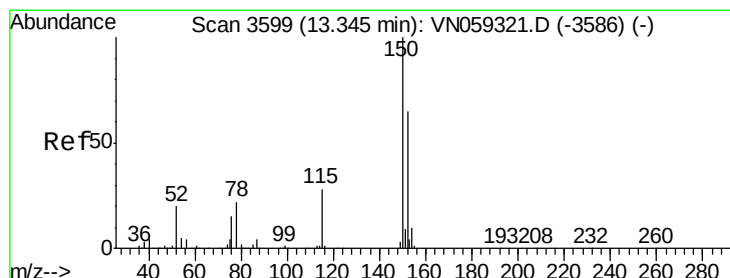
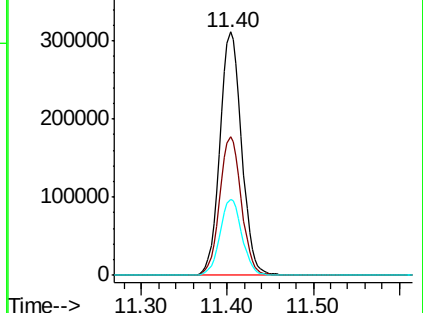
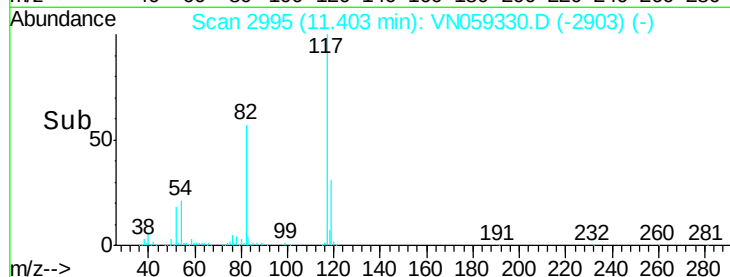
119 31.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

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: VN059330.D

Acq: 21 Nov 2019 13:06

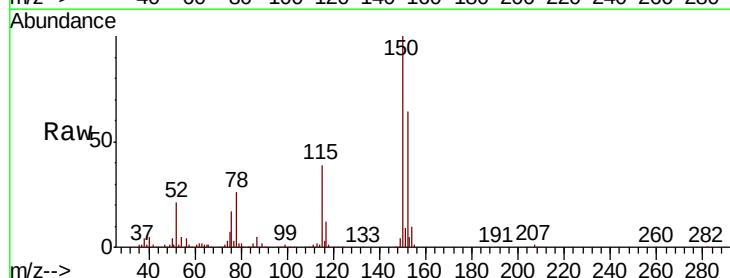
Tgt Ion:152 Resp: 199814

Ion Ratio Lower Upper

152 100

115 60.3 29.3 88.0

150 157.1 0.0 346.0



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

