

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN091020\  
 Data File : VN063302.D  
 Acq On : 10 Sep 2020 18:34  
 Operator : JC/MD  
 Sample : L3930-04  
 Misc : 5.06g/5mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VNJ-242

Quant Time: Sep 11 06:29:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091020W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 11 06:02:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 389858   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 733224   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 687498   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 271331   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 7.99   | 65  | 296367   | 48.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.76%  |      |
| 35) Dibromofluoromethane    | 7.55   | 113 | 228666   | 48.34 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.68%  |      |
| 50) Toluene-d8              | 10.06  | 98  | 923173   | 50.93 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.86% |      |
| 62) 4-Bromofluorobenzene    | 12.38  | 95  | 336839   | 50.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.62% |      |

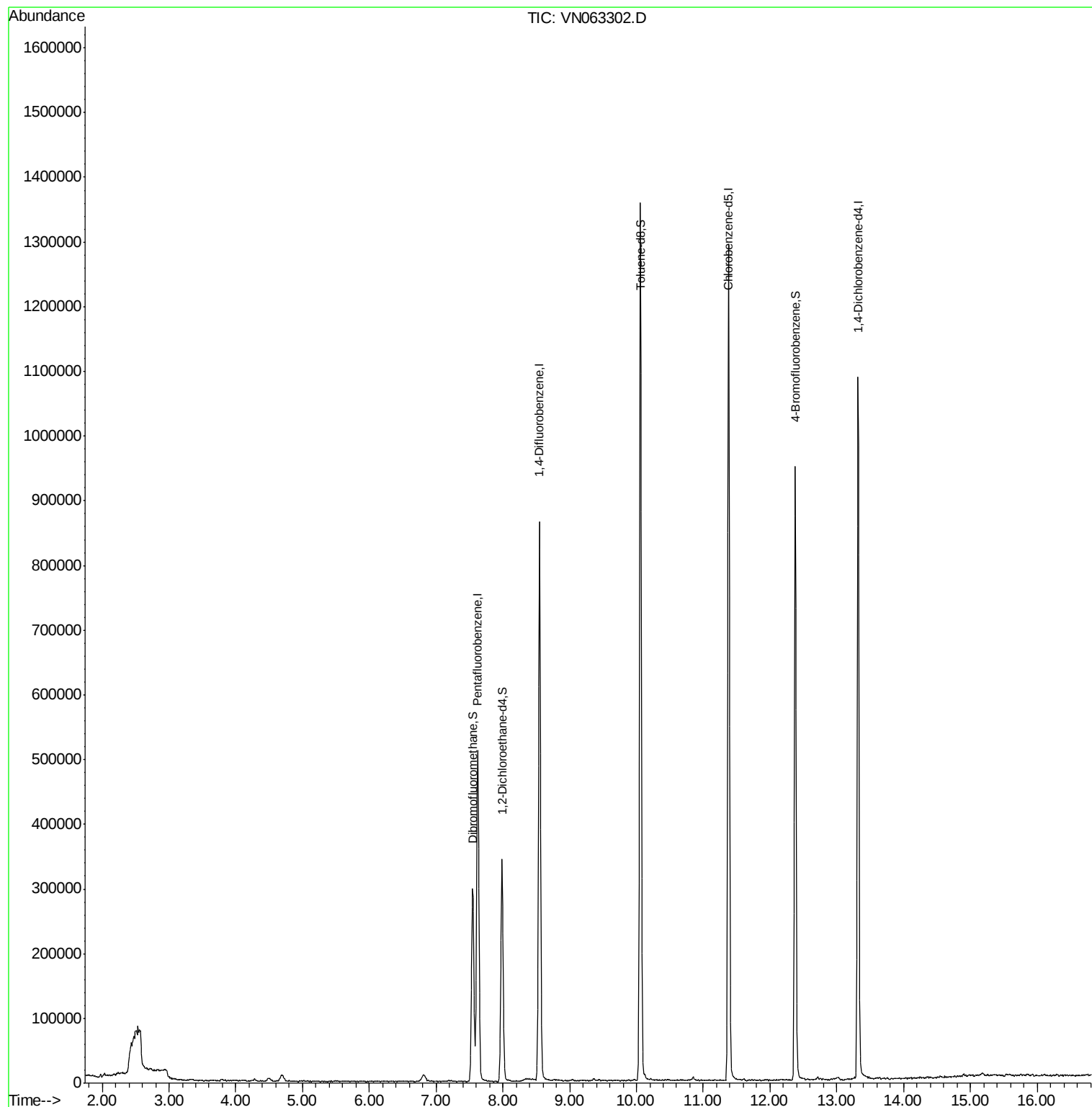
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

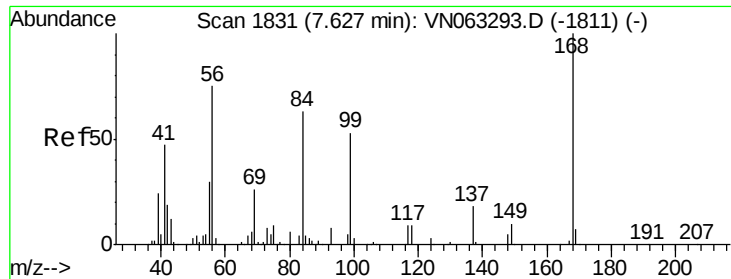
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091020\  
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Instrument :  
MSVOA\_N  
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VNJ-242

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Quant Title : SW846 8260  
QLast Update : Fri Sep 11 06:02:56 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063302.D

Acq: 10 Sep 2020 18:34

Instrument :

MSVOA\_N

ClientSampleId :

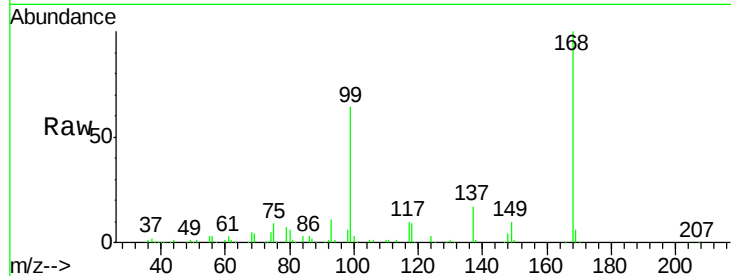
VNJ-242

Tot Ion:168 Resp: 389858

Ion Ratio Lower Upper

168 100

99 64.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

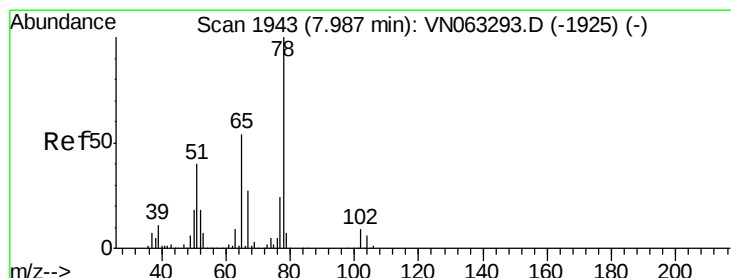
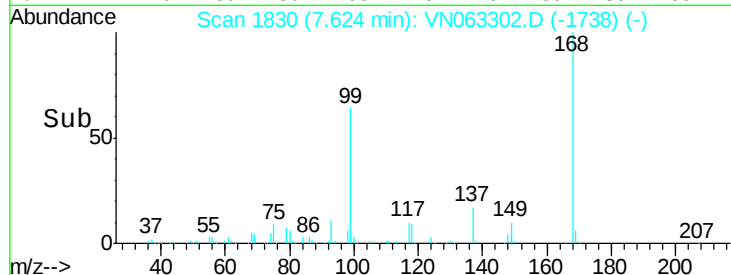
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#33

1,2-Dichloroethane-d4

Concen: 48.385 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063302.D

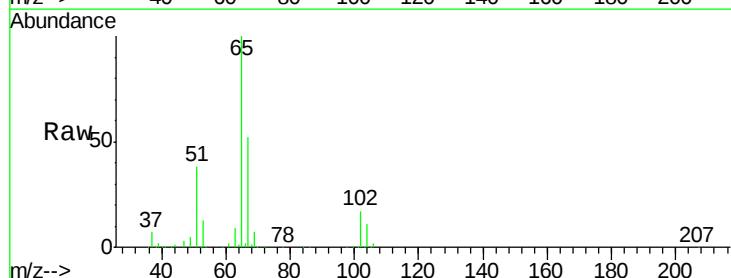
Acq: 10 Sep 2020 18:34

Tgt Ion: 65 Resp: 296367

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

7.99

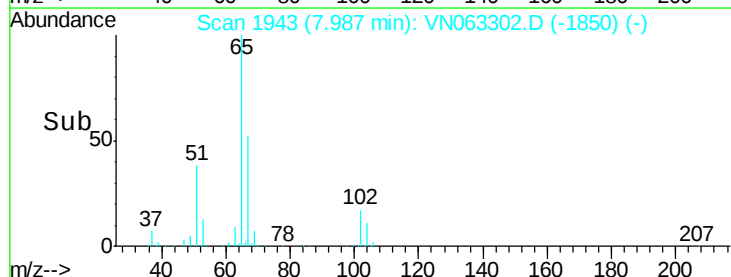
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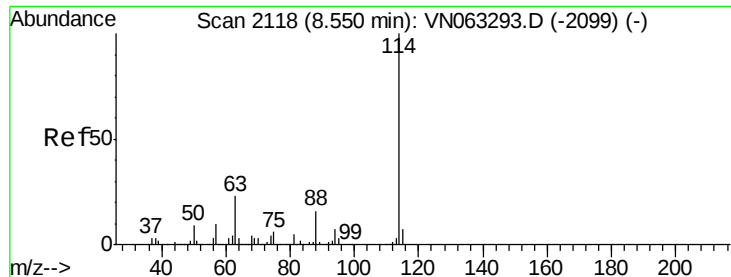
100000

50000

0

Time--> 7.90 8.00 8.10

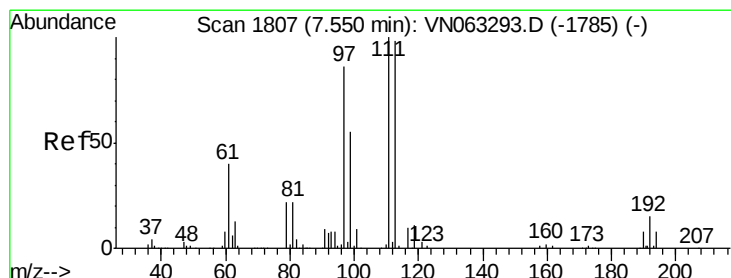
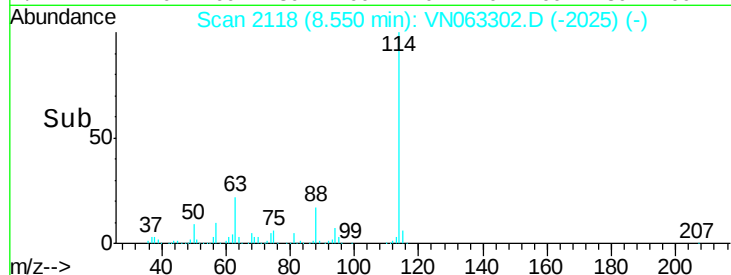
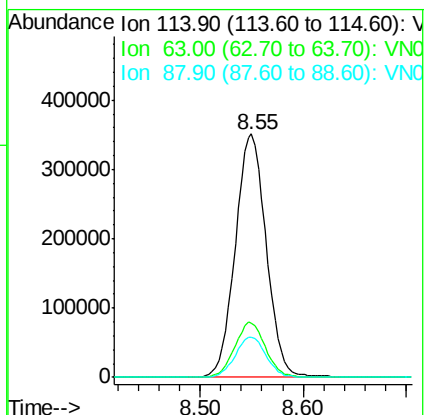
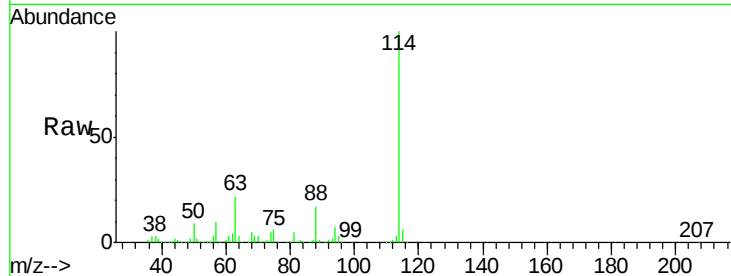




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063302.D  
 Acq: 10 Sep 2020 18:34

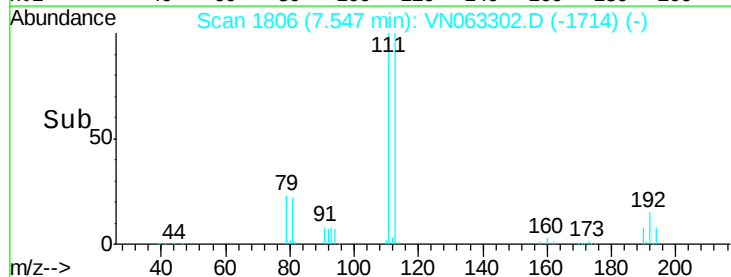
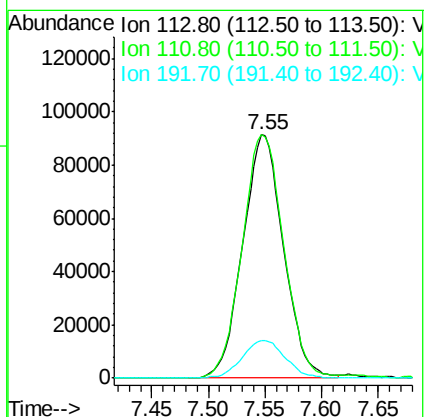
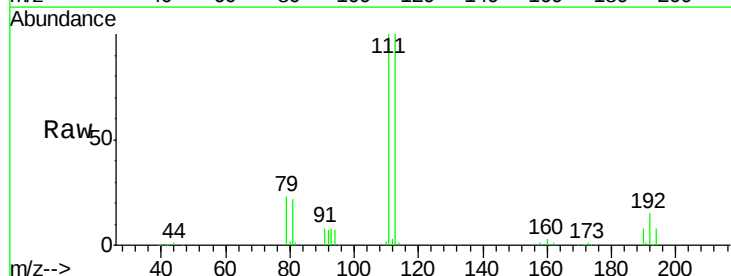
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VNJ-242

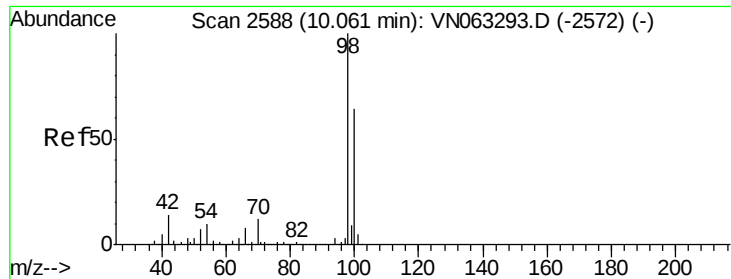
Tot Ion:114 Resp: 733224  
 Ion Ratio Lower Upper  
 114 100  
 63 22.5 0.0 46.0  
 88 16.7 0.0 32.8



#35  
 Dibromofluoromethane  
 Concen: 48.341 ug/l  
 RT: 7.55 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: VN063302.D  
 Acq: 10 Sep 2020 18:34

Tgt Ion:113 Resp: 228666  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 82.2 123.2  
 192 16.4 12.9 19.3





#50

Toluene-d8

Concen: 50.927 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN063302.D

Acq: 10 Sep 2020 18:34

Instrument :

MSVOA\_N

ClientSampled :

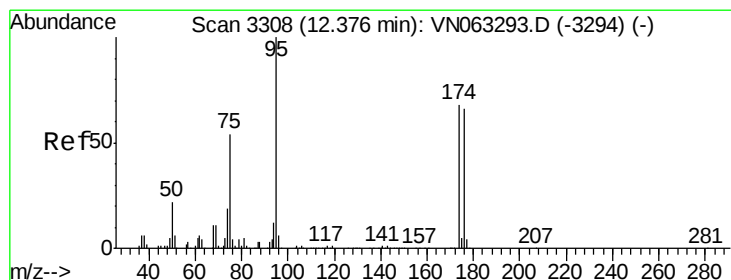
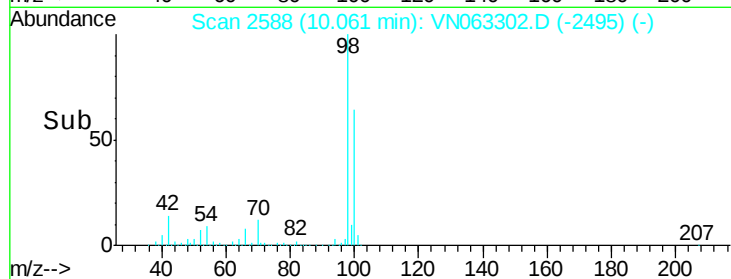
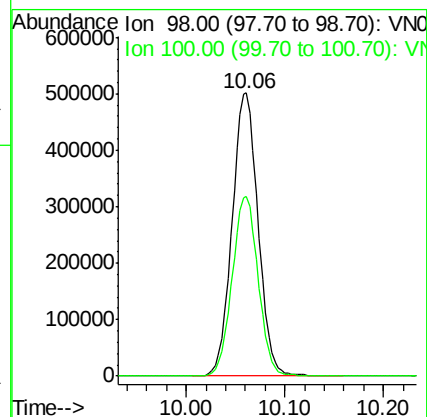
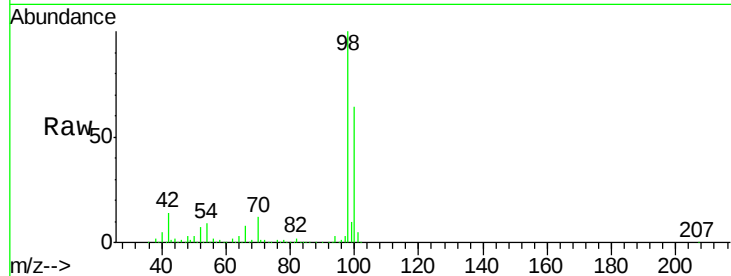
VNJ-242

Tot Ion: 98 Resp: 923173

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 50.309 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063302.D

Acq: 10 Sep 2020 18:34

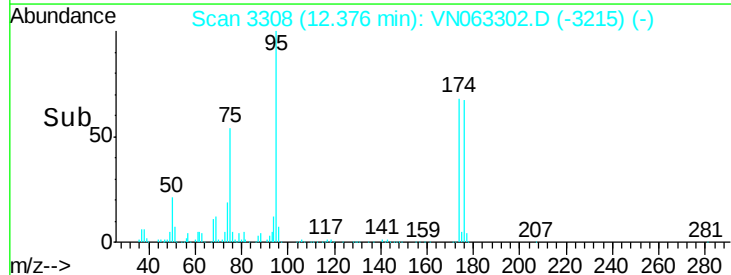
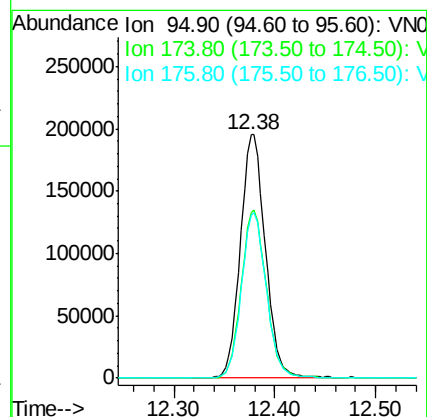
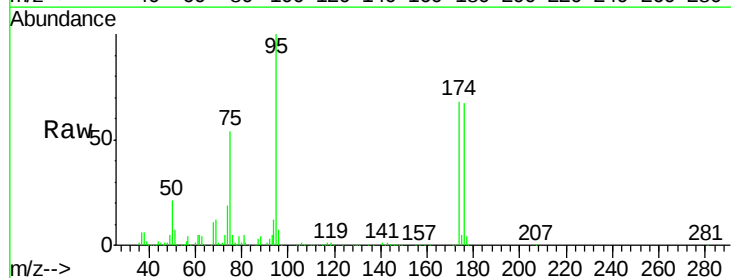
Tgt Ion: 95 Resp: 336839

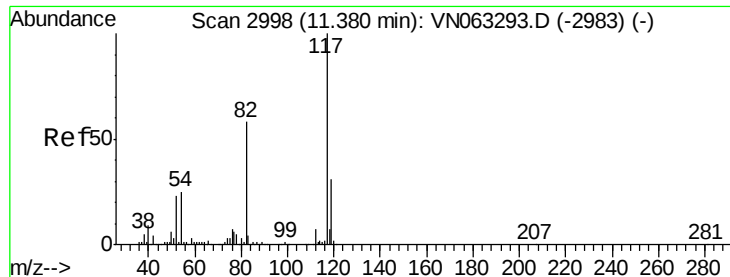
Ion Ratio Lower Upper

95 100

174 69.3 0.0 136.6

176 67.4 0.0 132.8

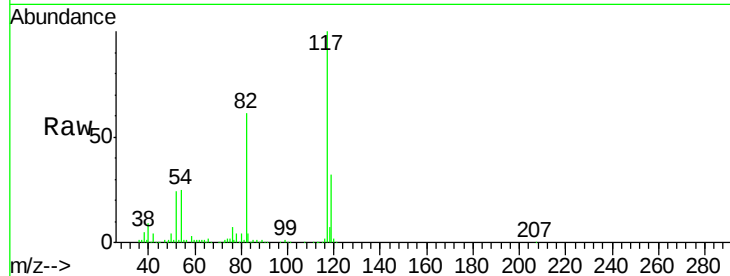




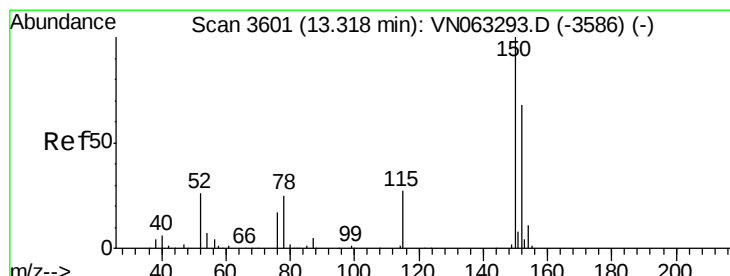
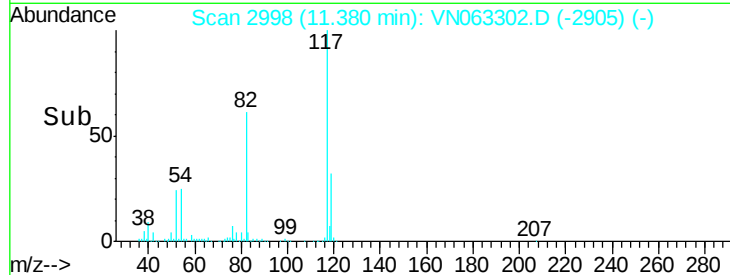
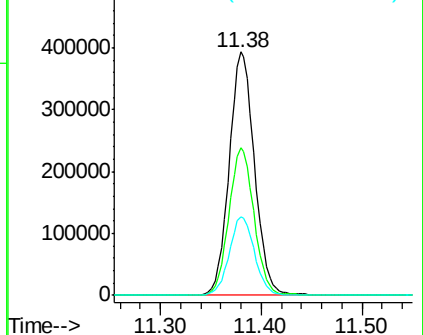
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063302.D  
Acq: 10 Sep 2020 18:34

Instrument :  
MSVOA\_N  
ClientSampled :  
VNJ-242

Tot Ion:117 Resp: 687498  
Ion Ratio Lower Upper  
117 100  
82 60.7 46.4 69.6  
119 32.4 24.8 37.2

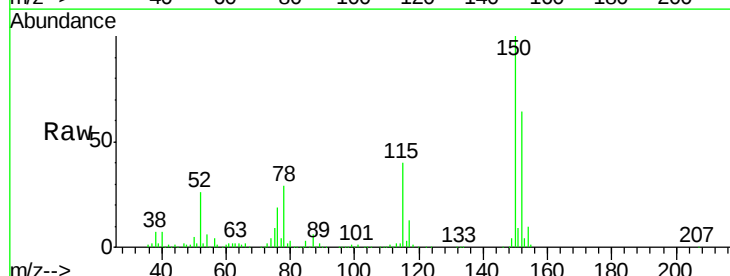


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3602  
Delta R.T. 0.00 min  
Lab File: VN063302.D  
Acq: 10 Sep 2020 18:34

Tgt Ion:152 Resp: 271331  
Ion Ratio Lower Upper  
152 100  
115 63.3 31.5 94.5  
150 158.1 0.0 344.0



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

