

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\  
 Data File : VN060636.D  
 Acq On : 19 Mar 2020 15:00  
 Operator : JC/MD  
 Sample : L1966-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TEST-PIT-3

Quant Time: Mar 20 04:23:19 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.64  | 168  | 196001   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.57  | 114  | 326930   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.40 | 117  | 303252   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 136544   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65  | 128239   | 47.66 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.32%  |      |
| 35) Dibromofluoromethane    | 7.57   | 113 | 97111    | 49.12 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.24%  |      |
| 50) Toluene-d8              | 10.08  | 98  | 399329   | 49.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 98.90%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 150061   | 50.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.42% |      |

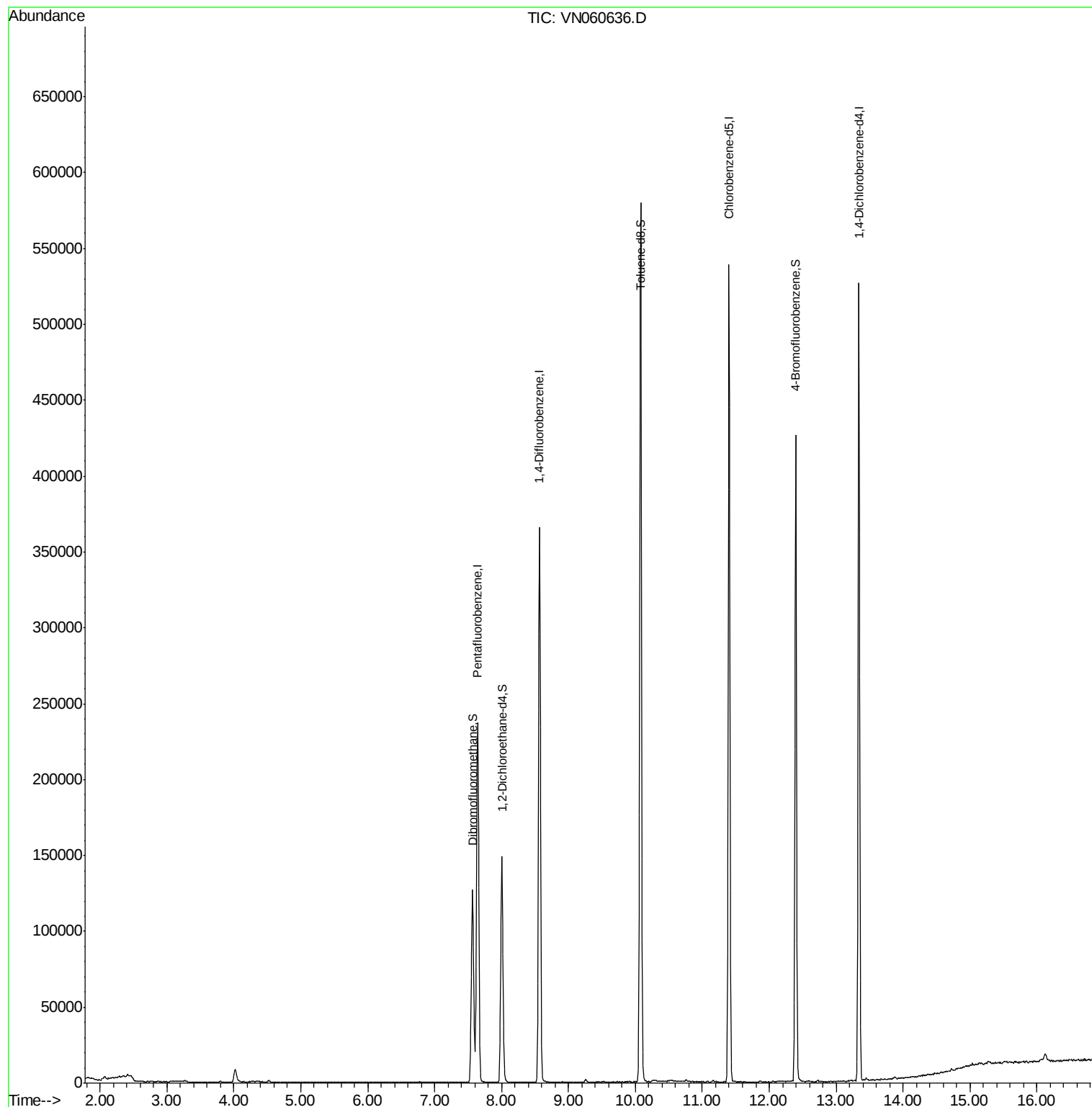
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
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TEST-PIT-3

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
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: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA\_N

ClientSampleId :

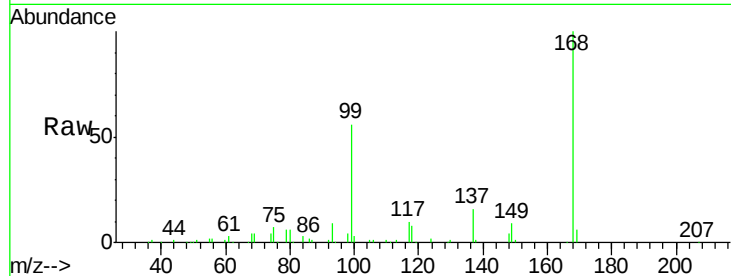
TEST-PIT-3

Tot Ion:168 Resp: 196001

Ion Ratio Lower Upper

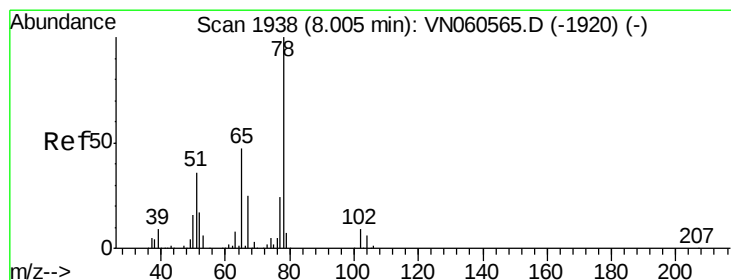
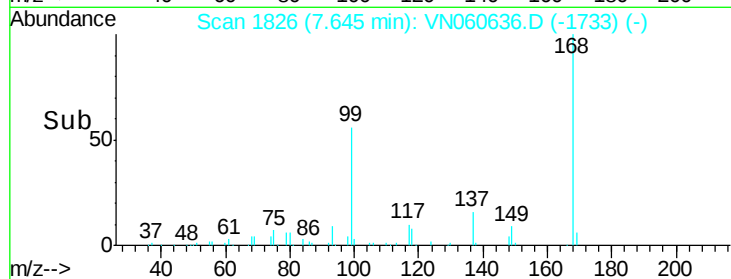
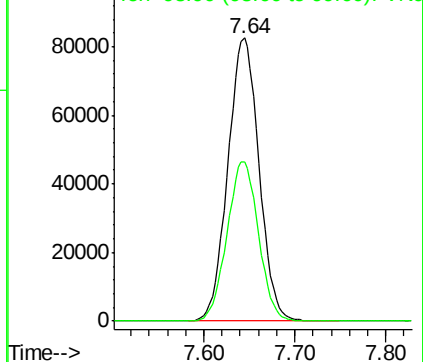
168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.661 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060636.D

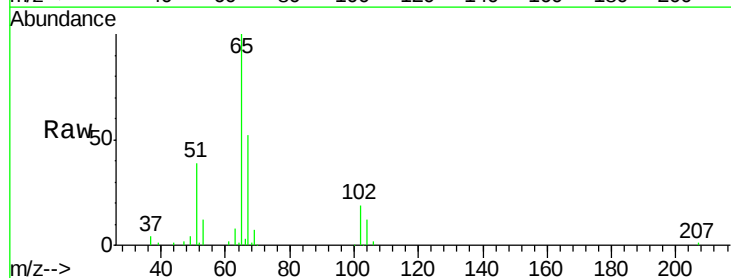
Acq: 19 Mar 2020 15:00

Tgt Ion: 65 Resp: 128239

Ion Ratio Lower Upper

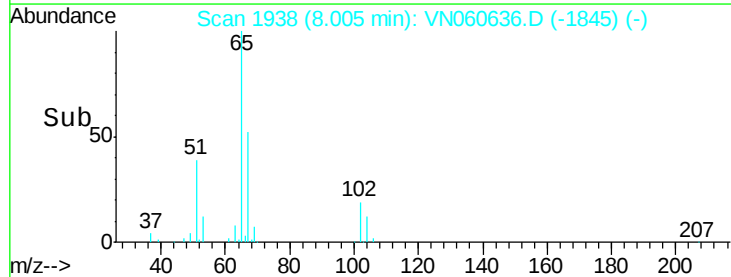
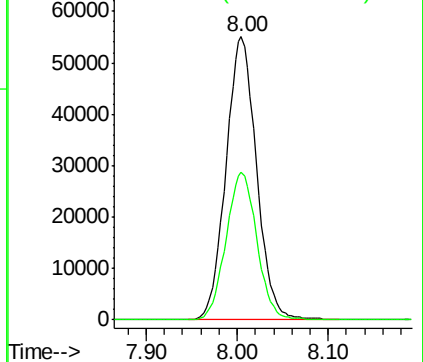
65 100

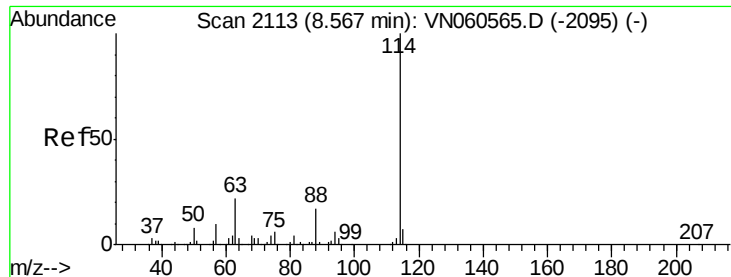
67 52.5 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA\_N

ClientSampleId :

TEST-PIT-3

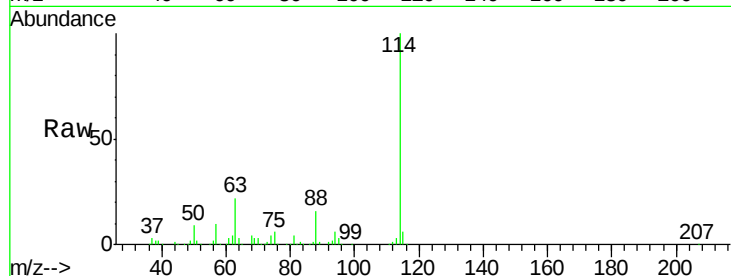
Tot Ion:114 Resp: 326930

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

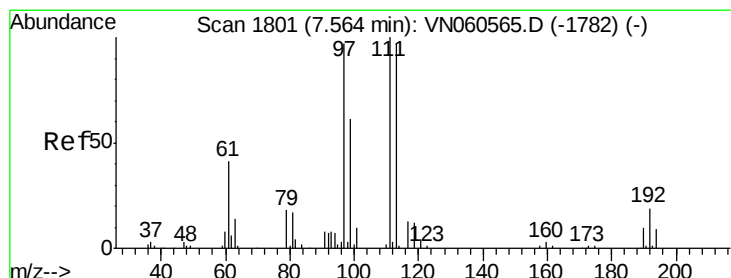
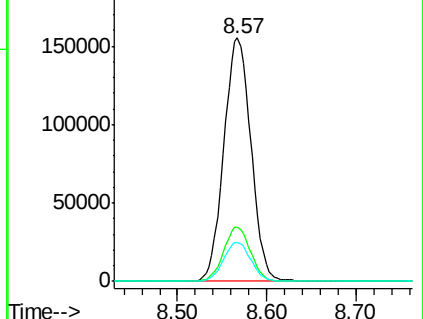
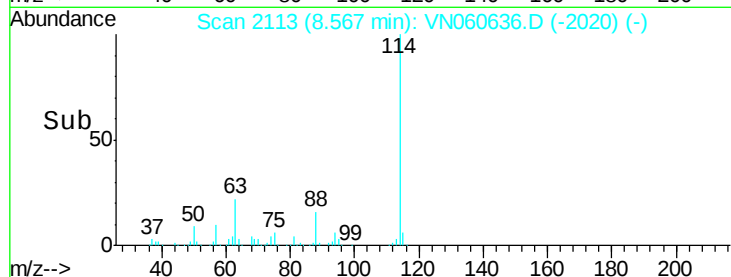
88 16.1 0.0 33.0



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: 49.124 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

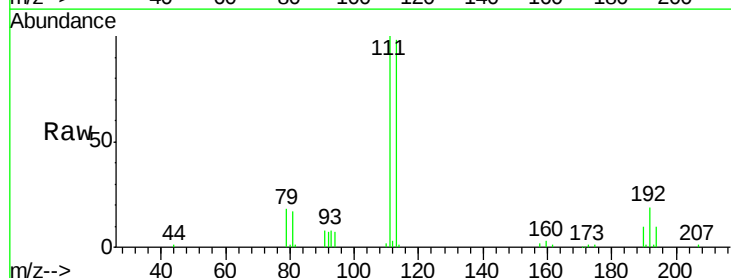
Tgt Ion:113 Resp: 97111

Ion Ratio Lower Upper

113 100

111 103.4 82.9 124.3

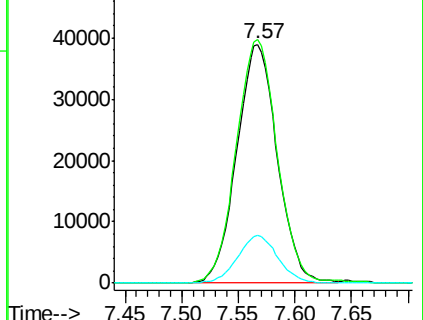
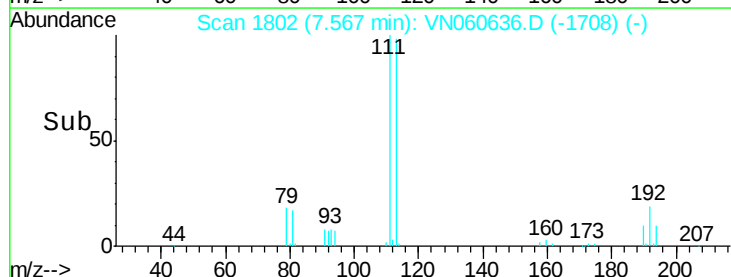
192 19.8 15.8 23.8

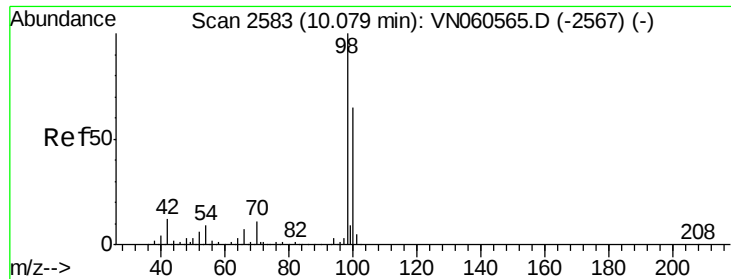


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.455 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

Instrument :

MSVOA\_N

ClientSampleId :

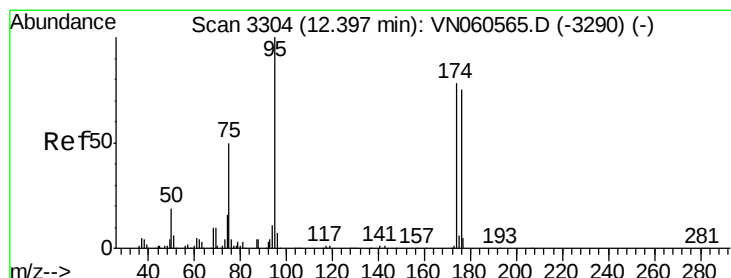
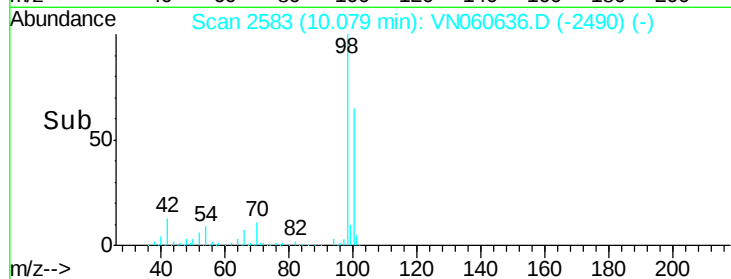
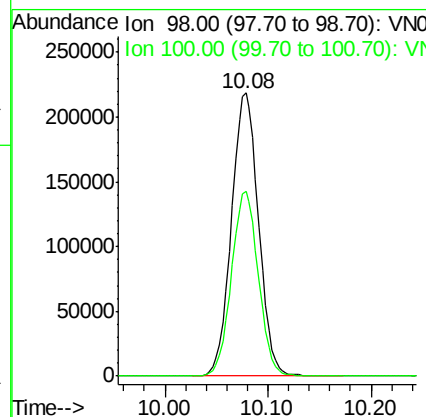
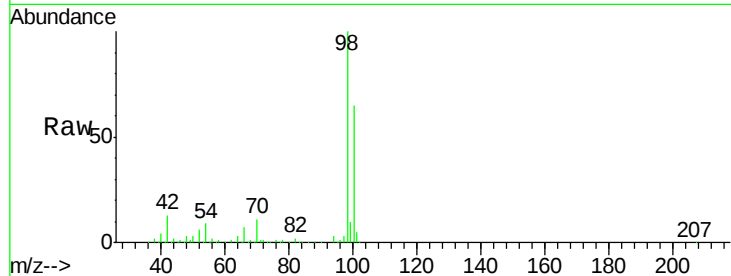
TEST-PIT-3

Tot Ion: 98 Resp: 399329

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 50.709 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060636.D

Acq: 19 Mar 2020 15:00

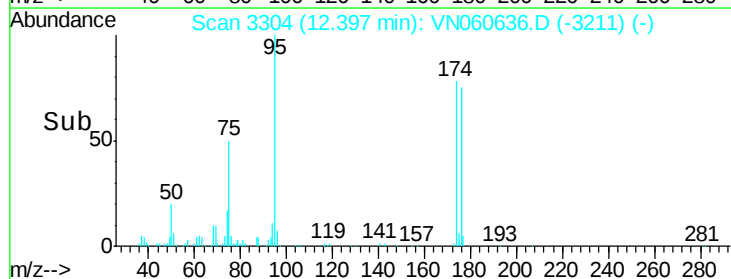
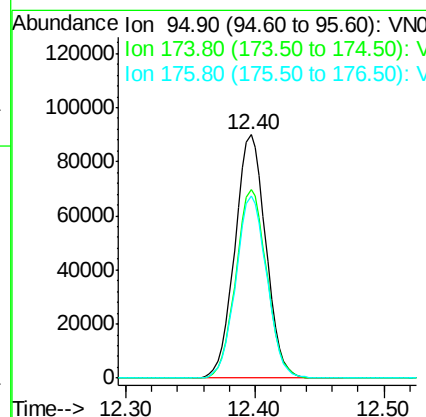
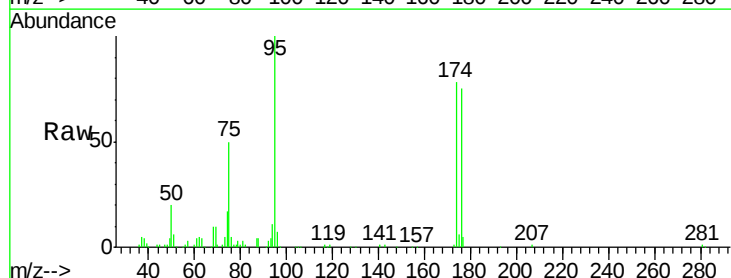
Tgt Ion: 95 Resp: 150061

Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.6

176 75.0 0.0 150.6

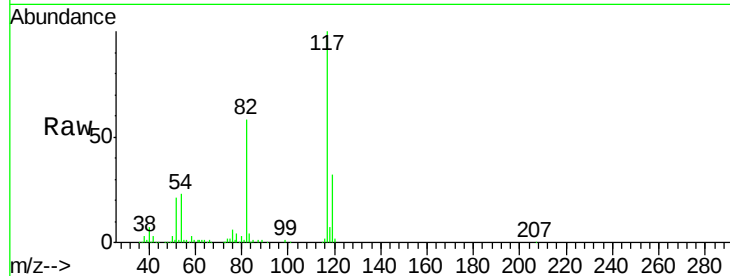




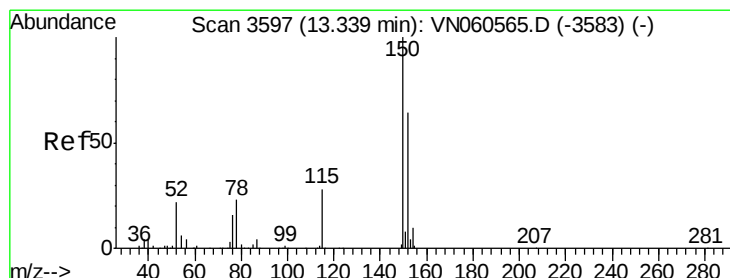
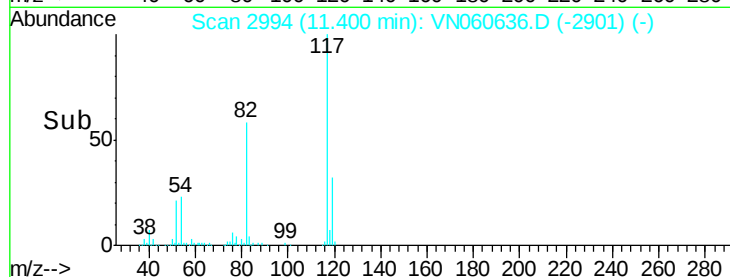
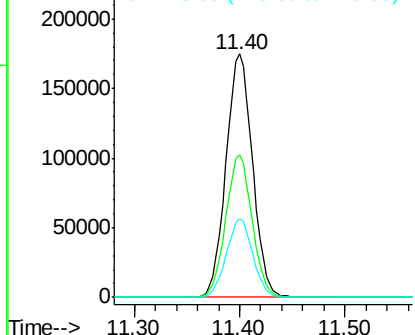
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060636.D  
Acq: 19 Mar 2020 15:00

Instrument :  
MSVOA\_N  
ClientSampled :  
TEST-PIT-3

Tot Ion:117 Resp: 303252  
Ion Ratio Lower Upper  
117 100  
82 58.4 46.7 70.1  
119 32.2 25.5 38.3

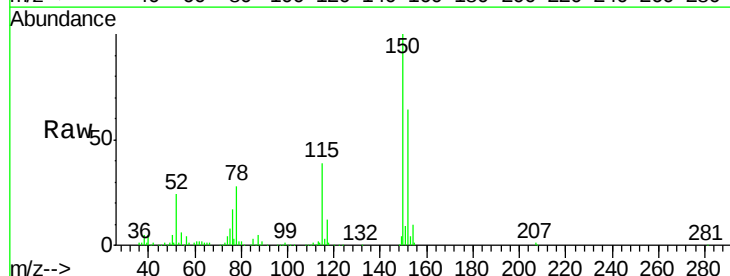


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3597  
Delta R.T. -0.00 min  
Lab File: VN060636.D  
Acq: 19 Mar 2020 15:00

Tgt Ion:152 Resp: 136544  
Ion Ratio Lower Upper  
152 100  
115 60.4 30.2 90.6  
150 157.4 0.0 350.2



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

