

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\  
 Data File : VN050522.D  
 Acq On : 10 Aug 2018 17:01  
 Operator : MD\SY  
 Sample : J4397-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10

Quant Time: Aug 13 11:15:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 07 05:22:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 725562   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1180536  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 977313   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 368096   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 491022   | 50.65 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.30% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 452630   | 47.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.56%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 1576339  | 44.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.52%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 439023   | 36.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 72.34%  |      |

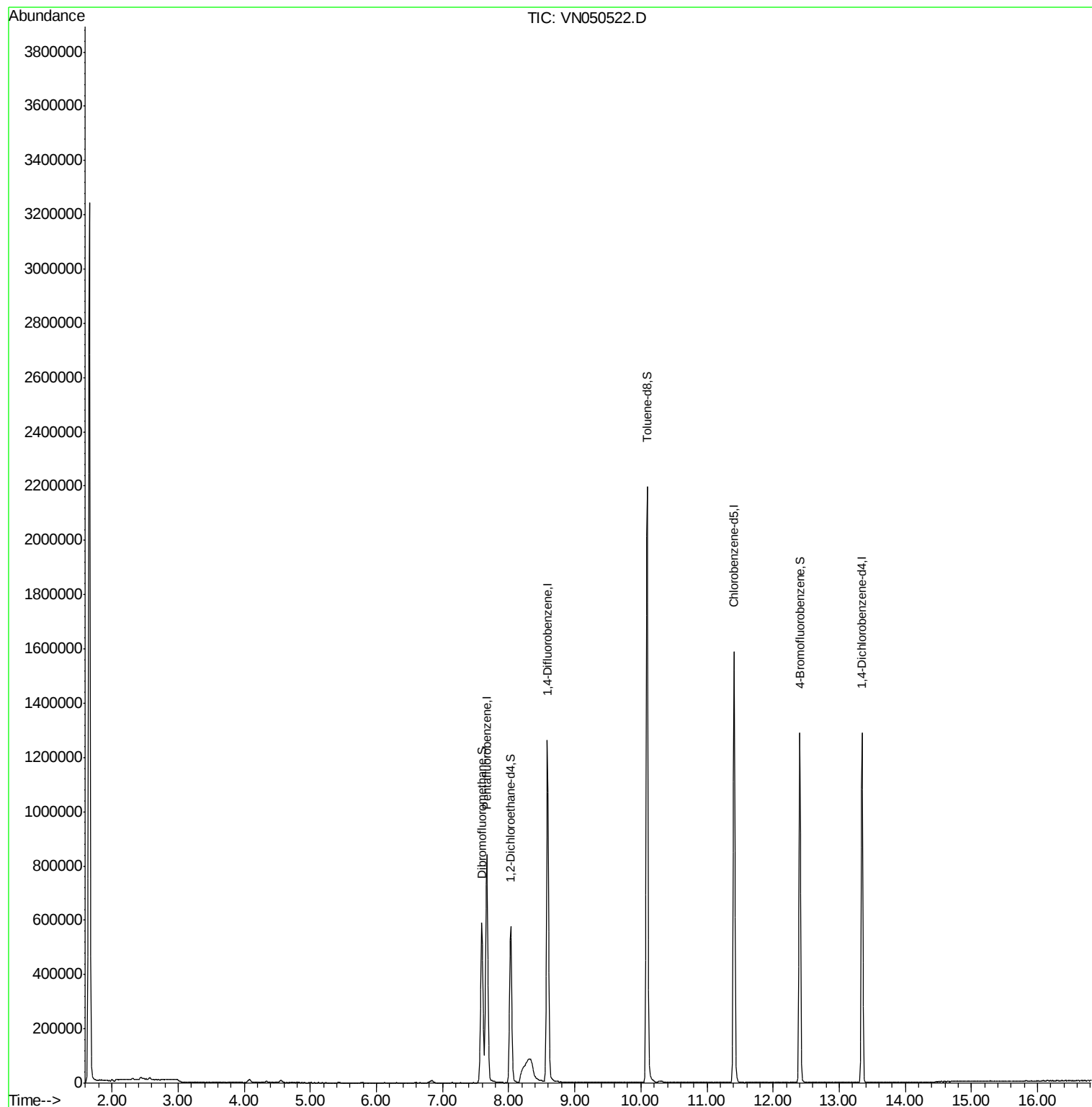
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

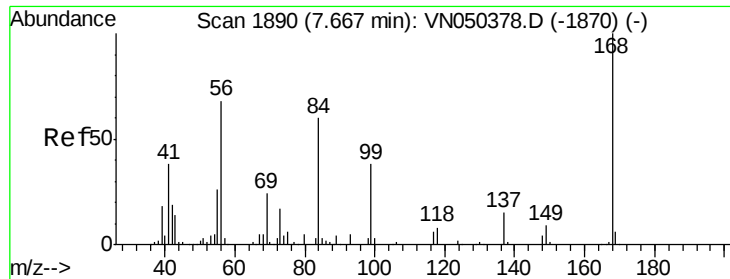
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J4397-03  
Misc : 5.00mL/MSVOA N/WATER  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

Quant Time: Aug 13 11:15:40 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N080618W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 07 05:22:15 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050522.D

Acq: 10 Aug 2018 17:01

Instrument :

MSVOA\_N

ClientSampled :

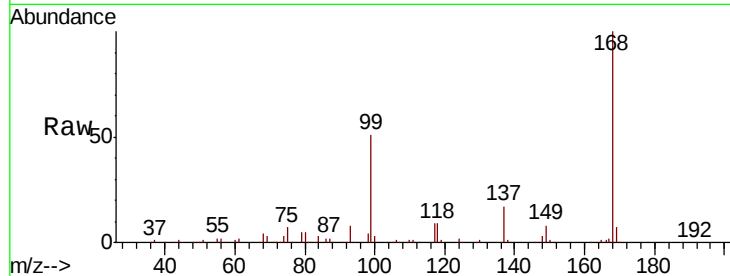
MW-10

Tot Ion:168 Resp: 725562

Ion Ratio Lower Upper

168 100

99 51.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

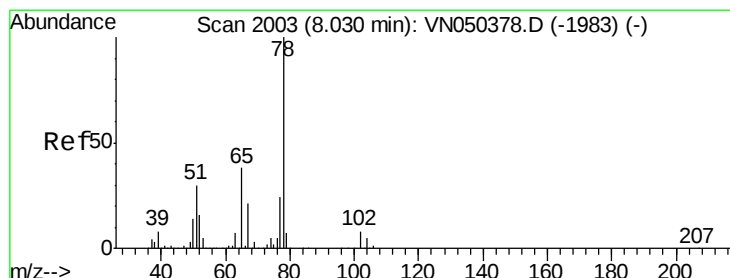
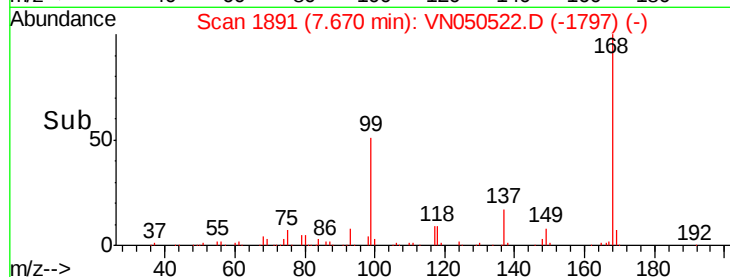
300000

200000

100000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.65 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050522.D

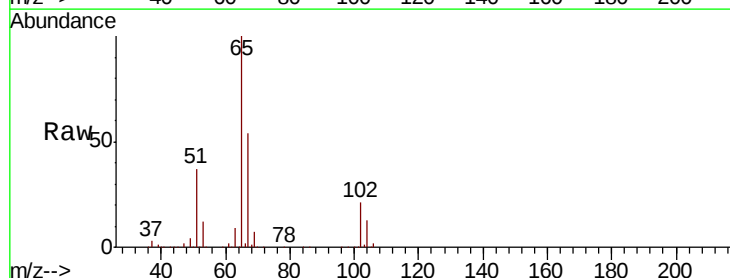
Acq: 10 Aug 2018 17:01

Tgt Ion: 65 Resp: 491022

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

250000

200000

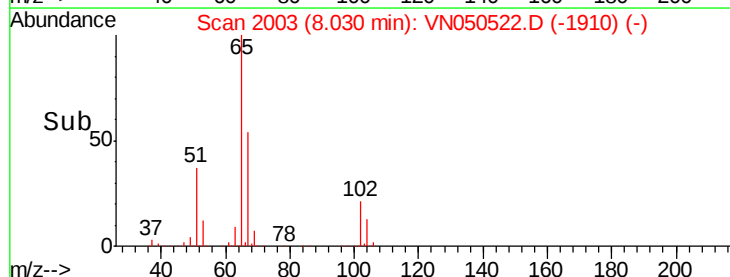
150000

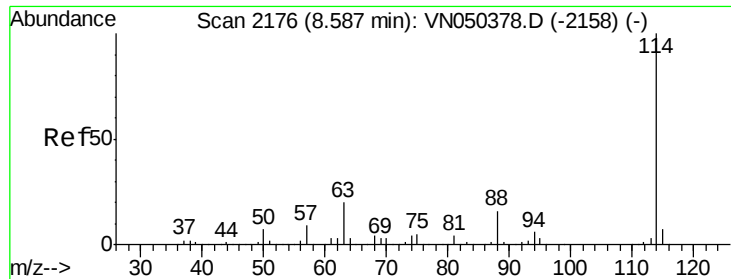
100000

50000

0

Time-->

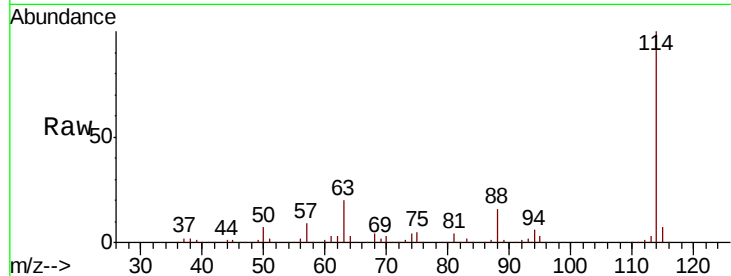




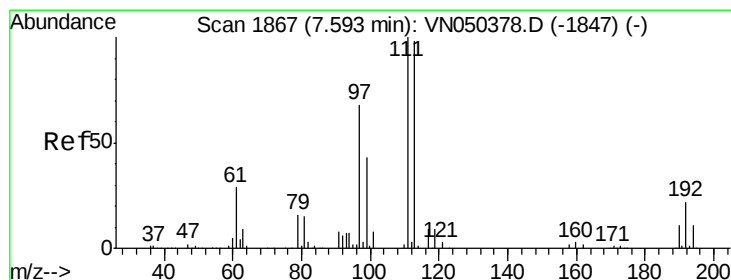
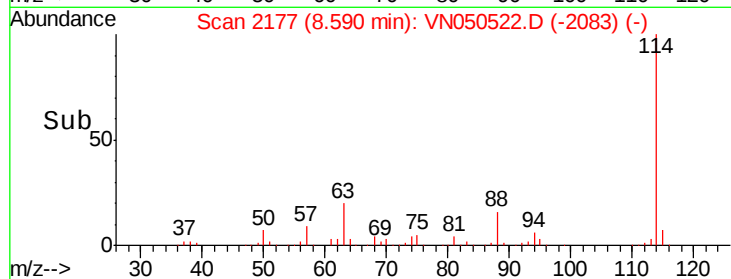
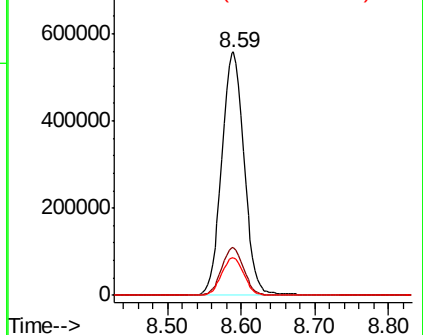
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050522.D  
 Acq: 10 Aug 2018 17:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10

Tot Ion:114 Resp: 1180536  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 40.0  
 88 15.6 0.0 31.2

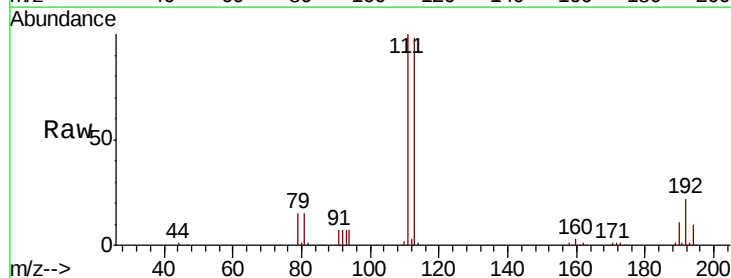


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

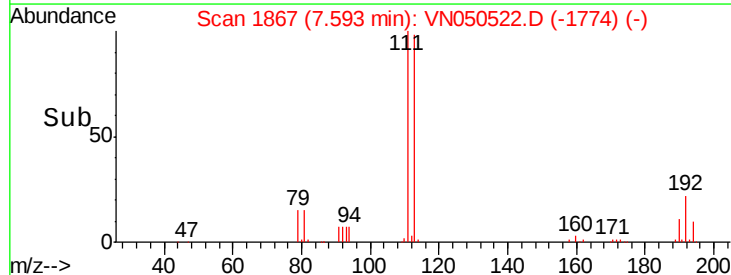
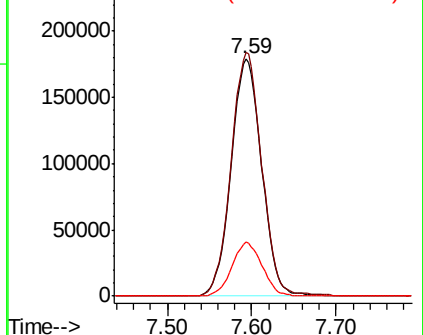


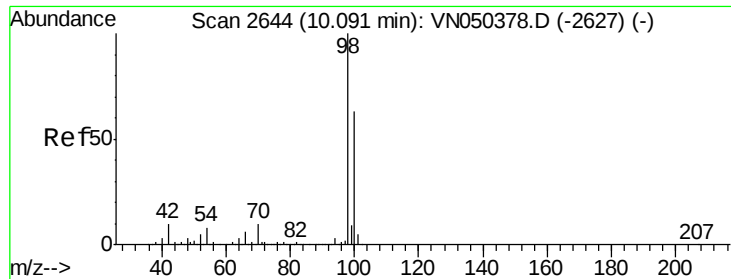
#35  
 Dibromofluoromethane  
 Concen: 47.78 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050522.D  
 Acq: 10 Aug 2018 17:01

Tgt Ion:113 Resp: 452630  
 Ion Ratio Lower Upper  
 113 100  
 111 102.6 80.7 121.1  
 192 22.2 17.8 26.6



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

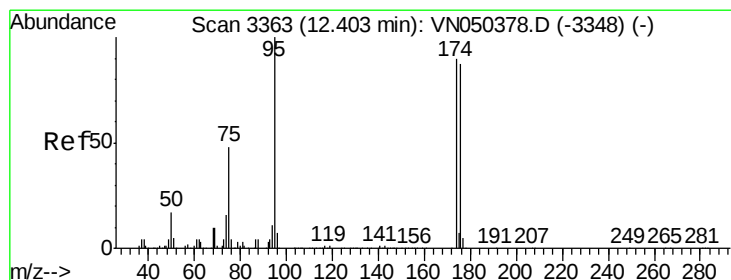
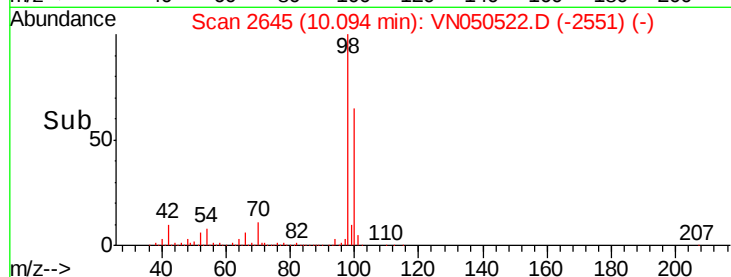
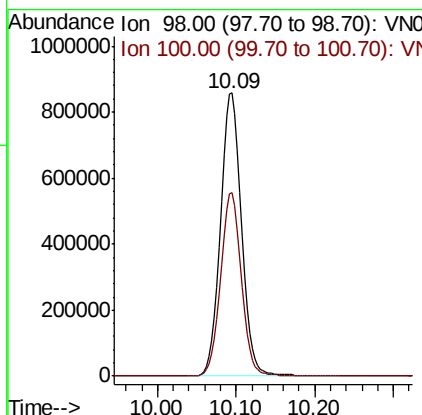
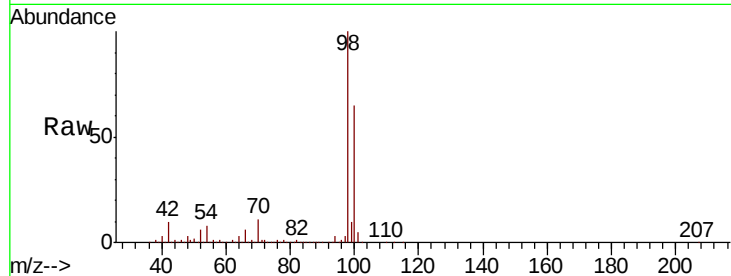




#50  
Toluene-d8  
Concen: 44.26 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050522.D  
Acq: 10 Aug 2018 17:01

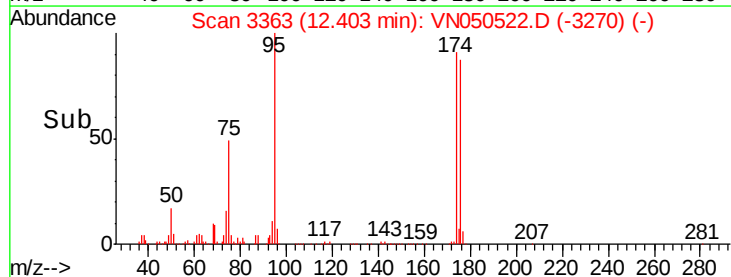
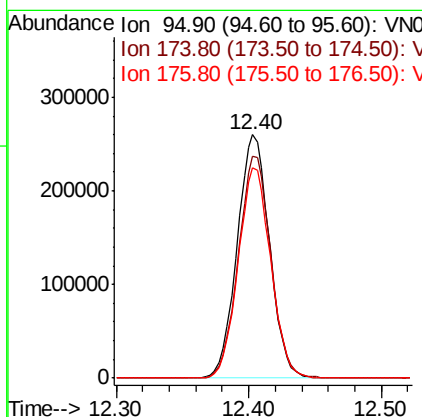
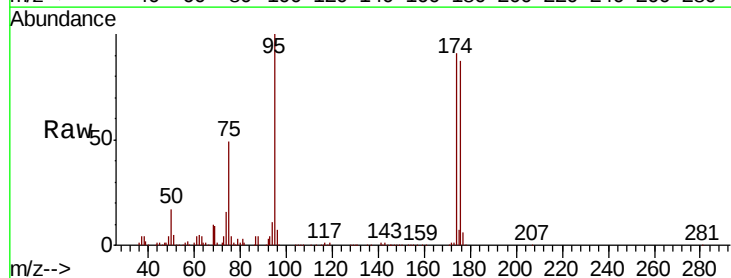
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

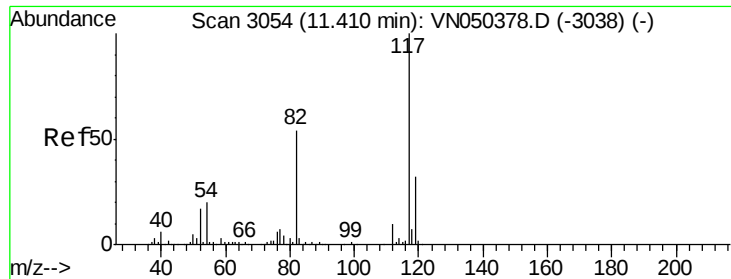
Tot Ion: 98 Resp: 1576339  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.7 76.1



#62  
4-Bromofluorobenzene  
Concen: 36.17 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN050522.D  
Acq: 10 Aug 2018 17:01

Tgt Ion: 95 Resp: 439023  
Ion Ratio Lower Upper  
95 100  
174 91.8 0.0 178.2  
176 87.1 0.0 173.4

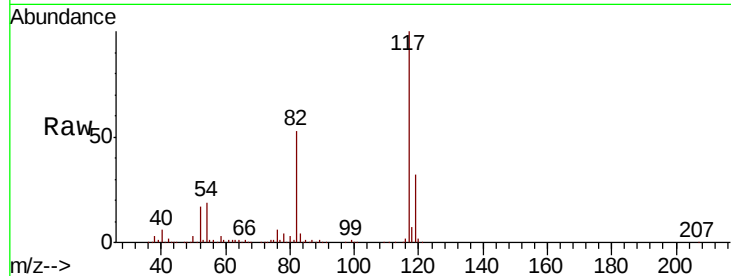




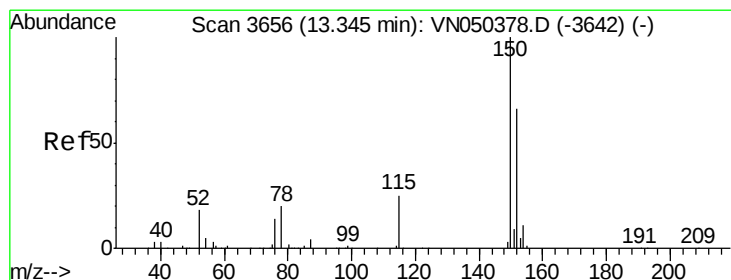
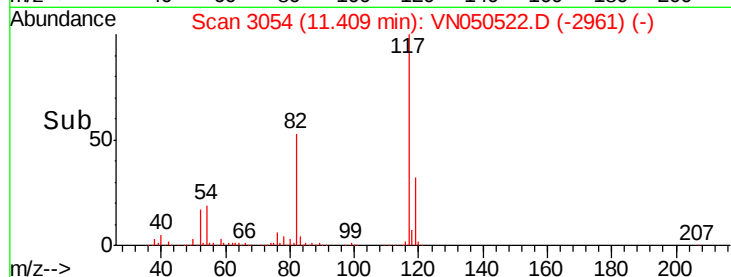
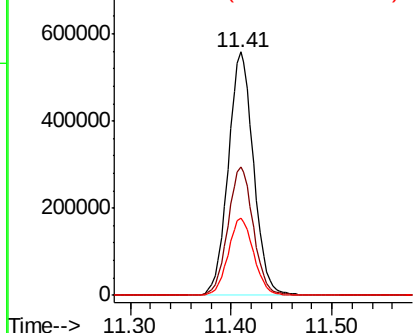
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050522.D  
Acq: 10 Aug 2018 17:01

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

Tot Ion:117 Resp: 977313  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.7 65.5  
119 31.6 26.1 39.1

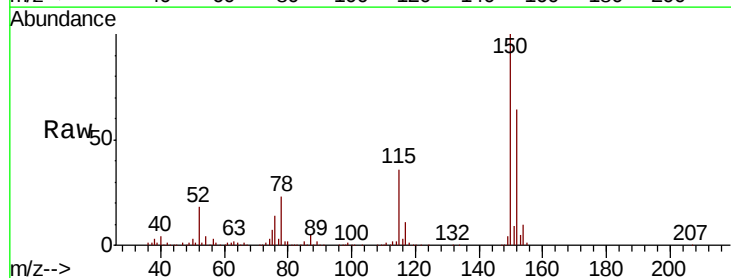


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. -0.00 min  
Lab File: VN050522.D  
Acq: 10 Aug 2018 17:01

Tgt Ion:152 Resp: 368096  
Ion Ratio Lower Upper  
152 100  
115 55.5 27.8 83.3  
150 156.8 0.0 348.6



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

