

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN032419\  
 Data File : VN054639.D  
 Acq On : 24 Mar 2019 11:09  
 Operator : JC/SP  
 Sample : VN0324MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0324MBL01

Quant Time: Mar 25 06:45:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 22 02:09:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 620422   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 947851   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 792527   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 287229   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 390853   | 50.65 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 101.30% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 299083   | 48.98 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.96%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1135782  | 49.47 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.94%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 352725   | 45.15 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.30%  |          |

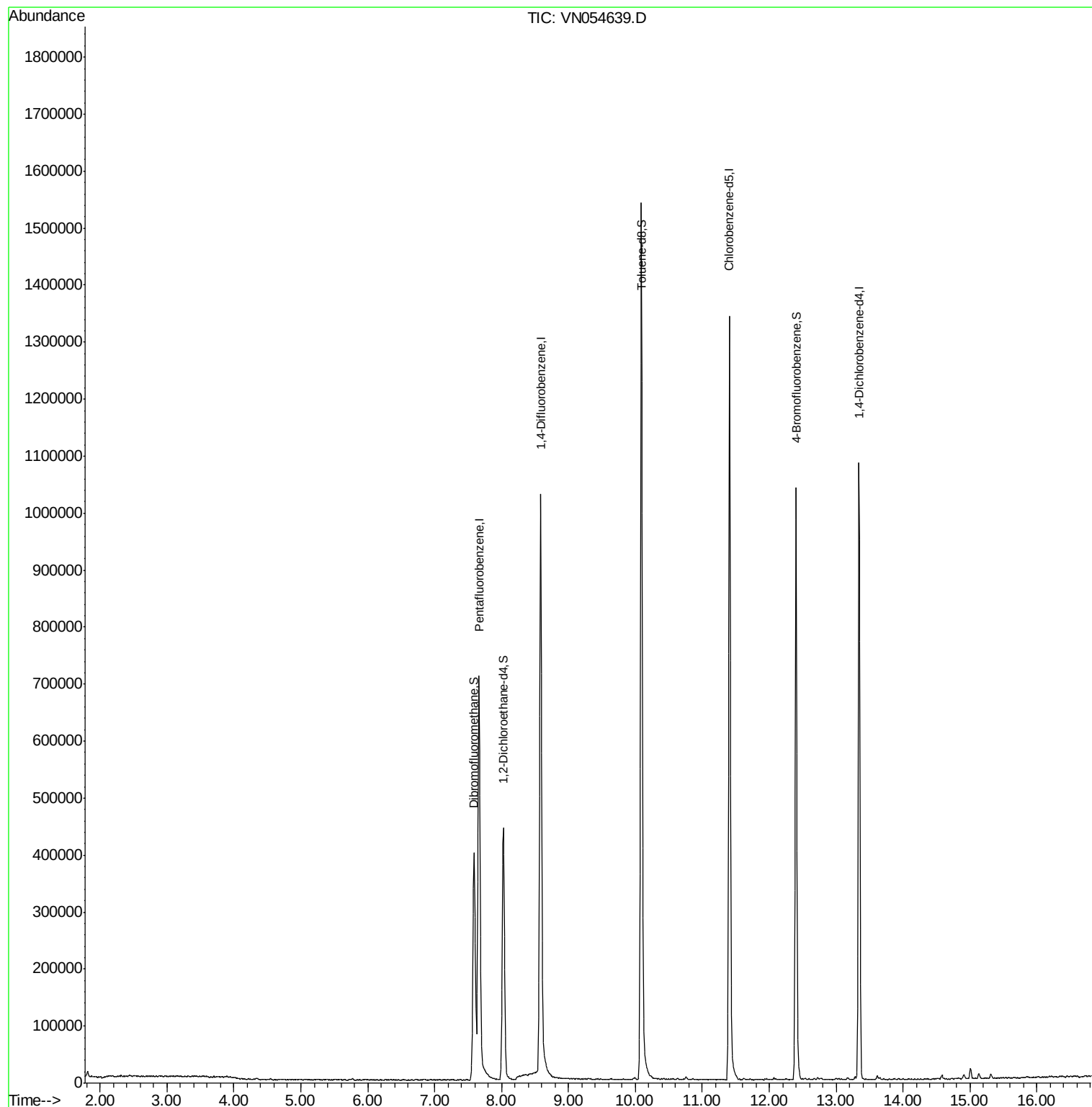
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

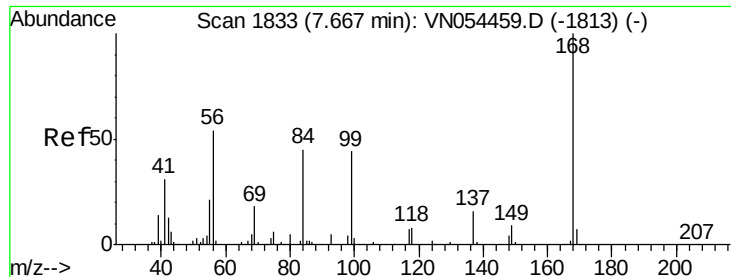
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN032419\  
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Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0324MBL01

Quant Time: Mar 25 06:45:54 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N032019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 22 02:09:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054639.D

Acq: 24 Mar 2019 11:09

Instrument :

MSVOA\_N

ClientSampled :

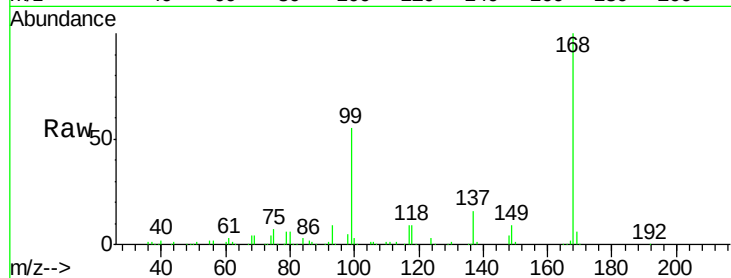
VN0324MBL01

Tot Ion:168 Resp: 620422

Ion Ratio Lower Upper

168 100

99 54.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

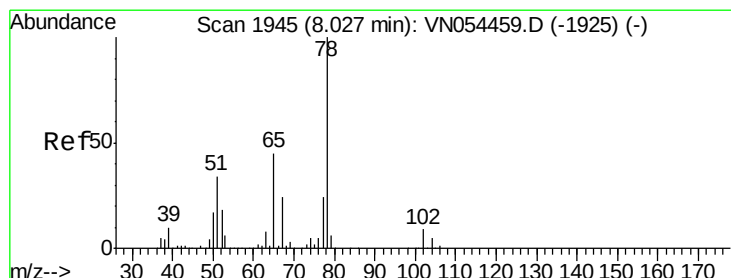
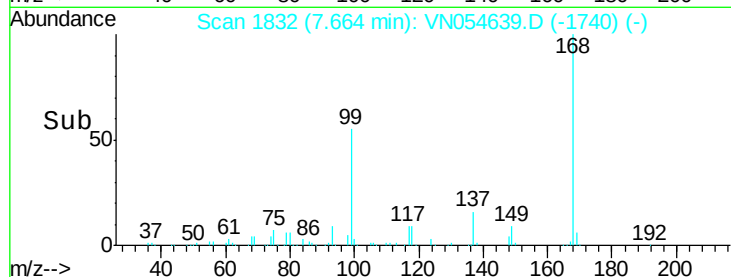
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 50.648 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054639.D

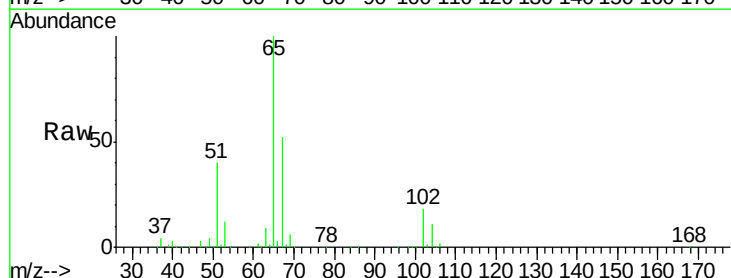
Acq: 24 Mar 2019 11:09

Tgt Ion: 65 Resp: 390853

Ion Ratio Lower Upper

65 100

67 50.8 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

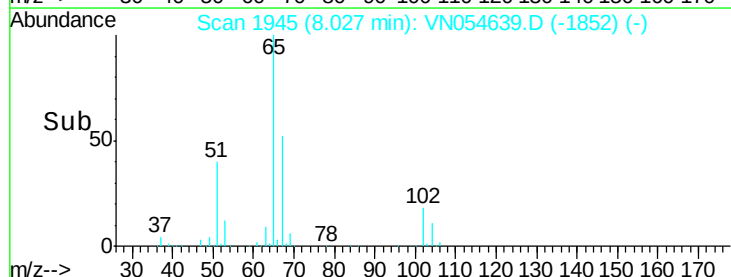
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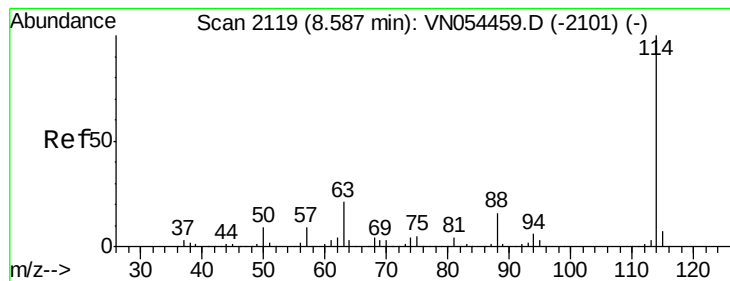
100000

50000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054639.D

Acq: 24 Mar 2019 11:09

Instrument :

MSVOA\_N

ClientSampled :

VN0324MBL01

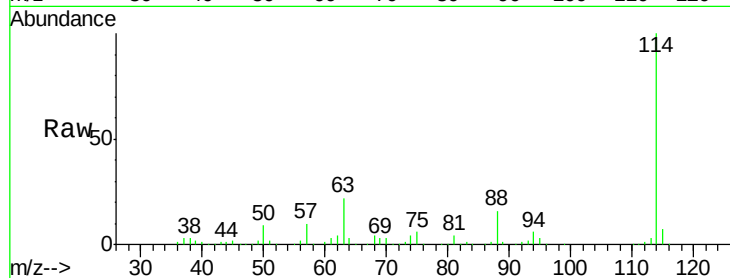
Tot Ion:114 Resp: 947851

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

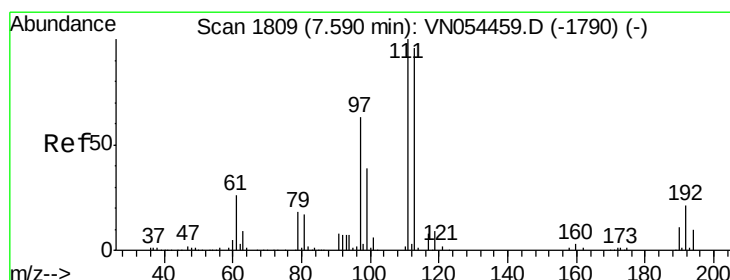
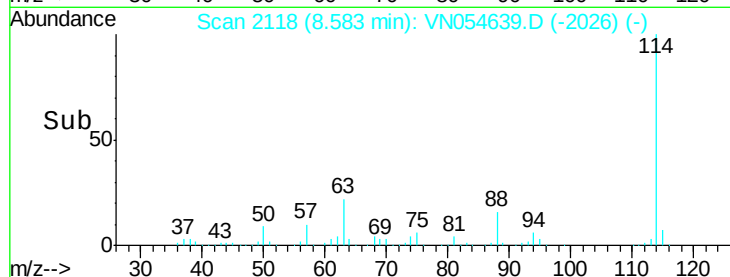
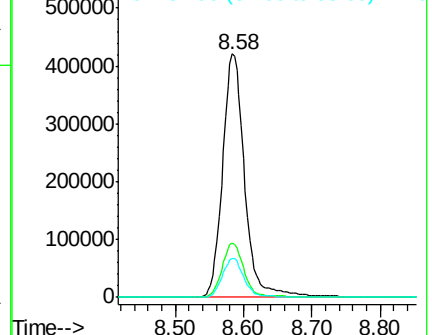
88 16.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.978 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054639.D

Acq: 24 Mar 2019 11:09

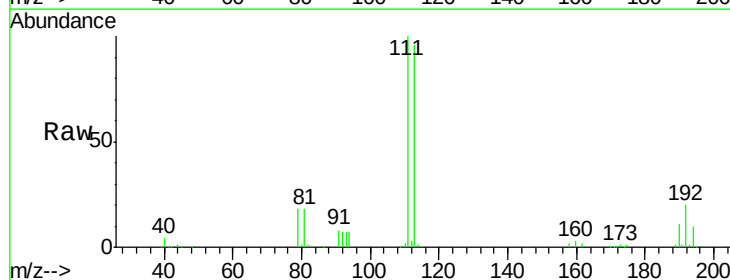
Tgt Ion:113 Resp: 299083

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

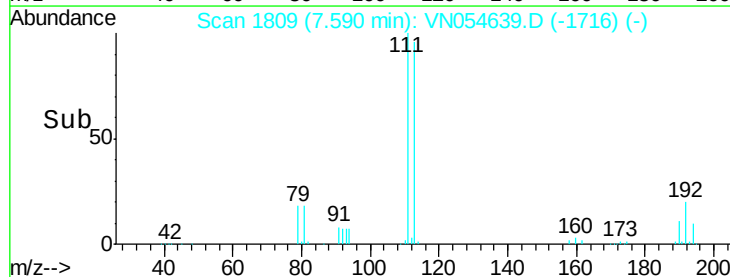
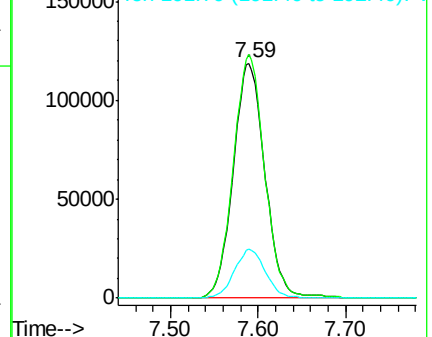
192 20.4 19.2 28.8

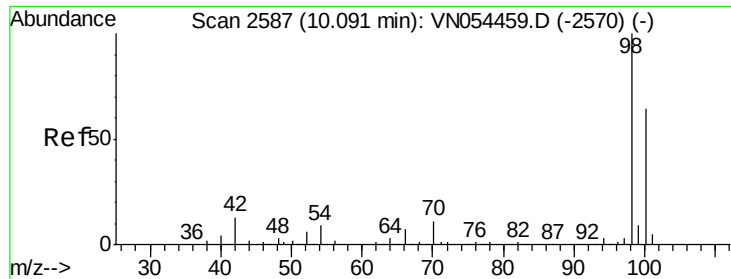


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

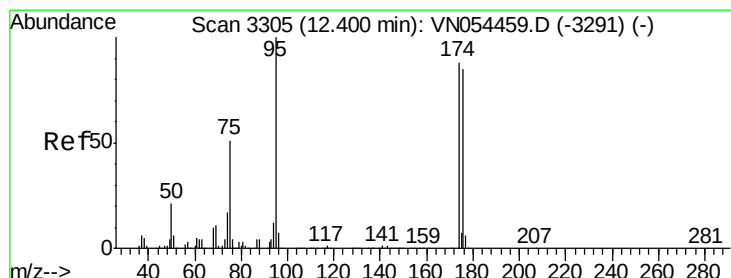
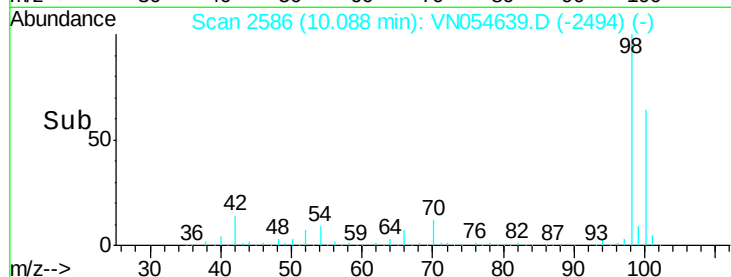
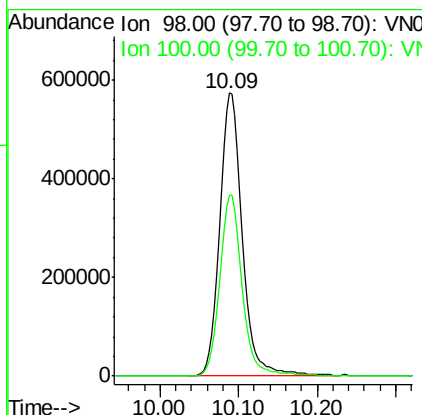
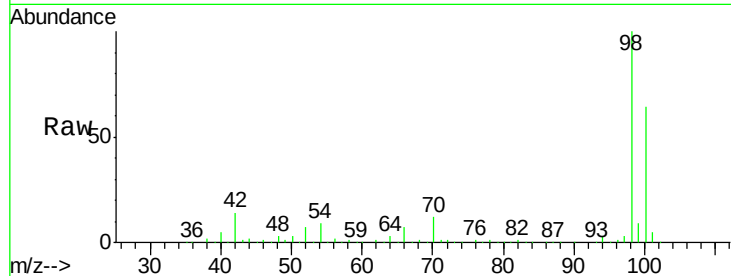




#50  
Toluene-d8  
Concen: 49.475 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN054639.D  
Acq: 24 Mar 2019 11:09

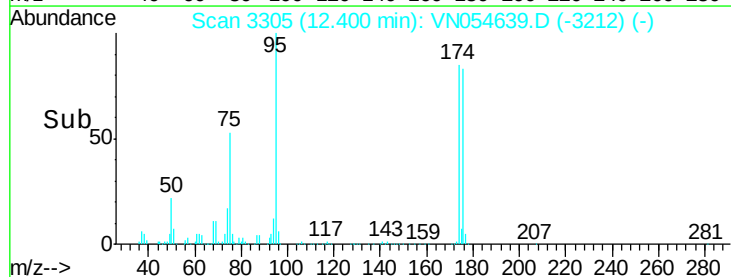
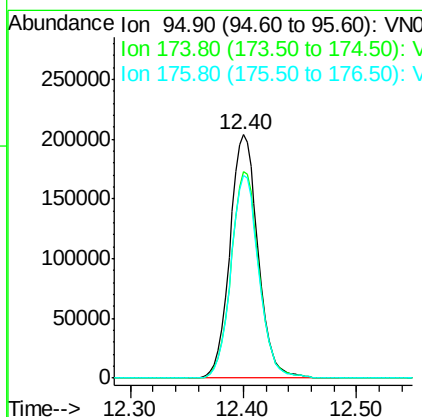
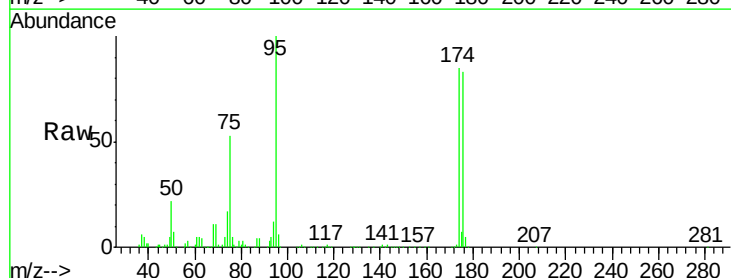
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0324MBL01

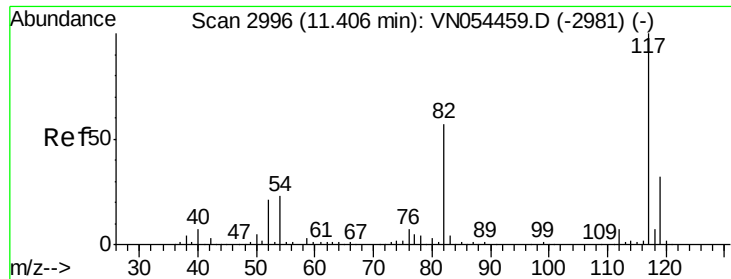
Tot Ion: 98 Resp: 1135782  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.2 76.8



#62  
4-Bromofluorobenzene  
Concen: 45.153 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN054639.D  
Acq: 24 Mar 2019 11:09

Tgt Ion: 95 Resp: 352725  
Ion Ratio Lower Upper  
95 100  
174 84.1 0.0 191.0  
176 82.5 0.0 187.4

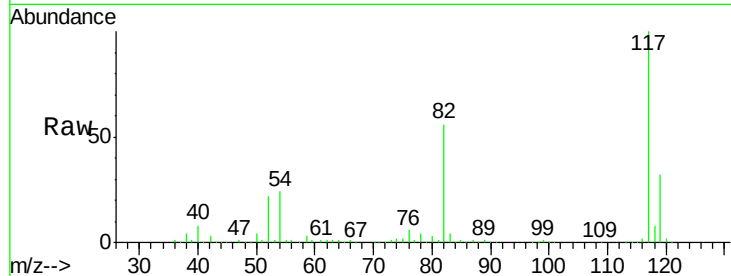




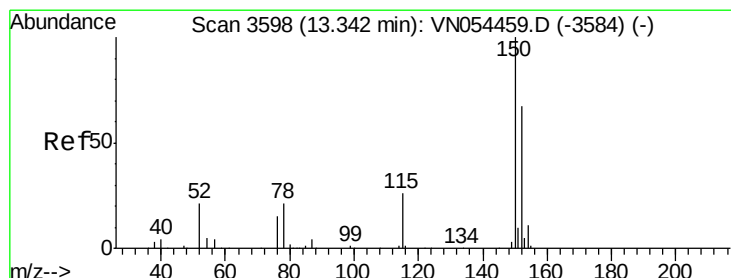
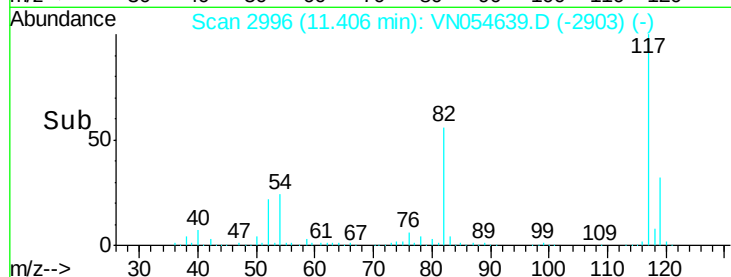
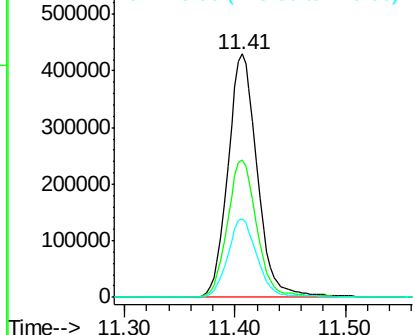
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054639.D  
Acq: 24 Mar 2019 11:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0324MBL01

Tot Ion:117 Resp: 792527  
Ion Ratio Lower Upper  
117 100  
82 56.5 40.0 60.0  
119 32.4 25.8 38.6

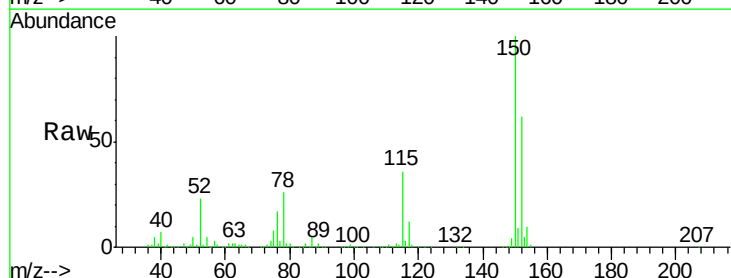


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN054639.D  
Acq: 24 Mar 2019 11:09

Tgt Ion:152 Resp: 287229  
Ion Ratio Lower Upper  
152 100  
115 58.3 27.2 81.6  
150 160.0 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

