

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\  
 Data File : VN056857.D  
 Acq On : 22 Jul 2019 16:33  
 Operator : JC/SP  
 Sample : VN0722WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0722WBL01

Quant Time: Jul 23 02:20:01 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072219W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 23 01:46:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 262539   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 475429   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 503817   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 158875   | 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   | 152439   | 54.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.88% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 143357   | 47.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 599086   | 51.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.92% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 208889   | 55.37 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 110.74% |          |

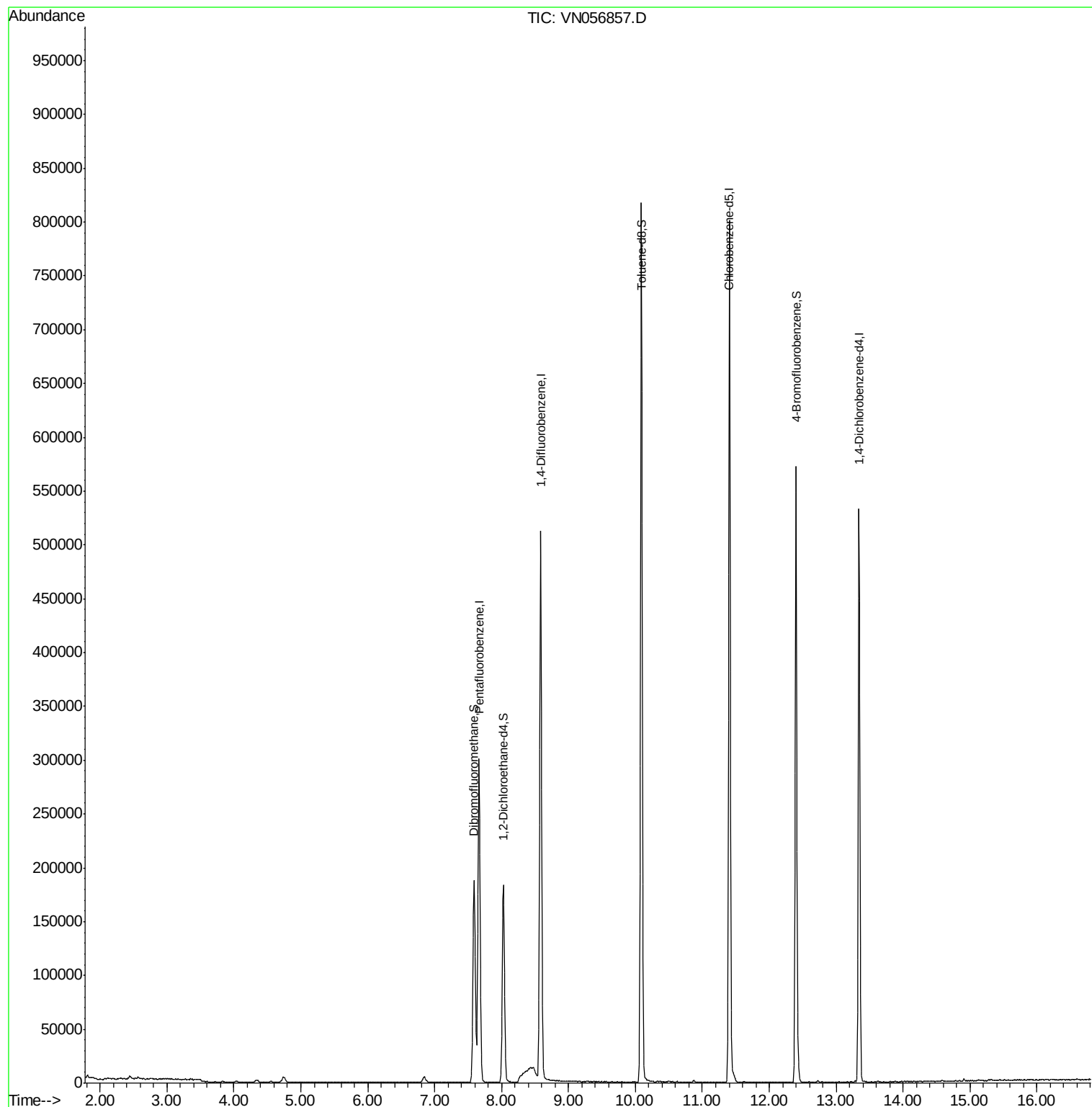
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

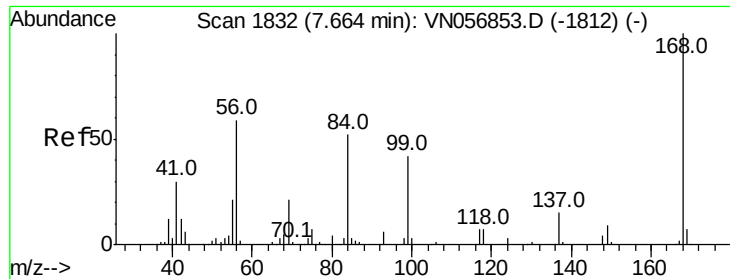
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072219\  
Data File : VN056857.D  
Acq On : 22 Jul 2019 16:33  
Operator : JC/SP  
Sample : VN0722WBL01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0722WBL01

Quant Time: Jul 23 02:20:01 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072219W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 23 01:46:34 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: VN056857.D

Acq: 22 Jul 2019 16:33

Instrument :

MSVOA\_N

ClientSampleId :

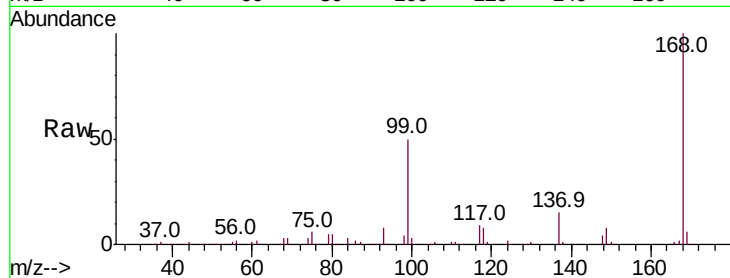
VN0722WBL01

Tot Ion:168 Resp: 262539

Ion Ratio Lower Upper

168 100

99 50.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

120000

100000

80000

60000

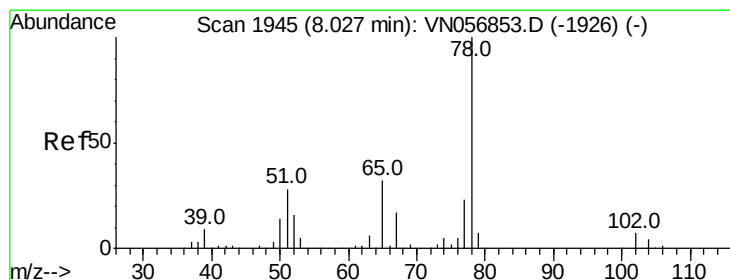
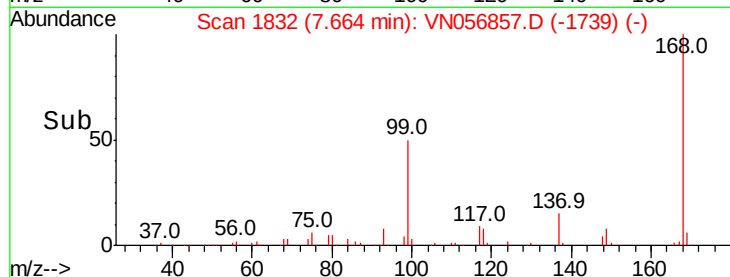
40000

20000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.435 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056857.D

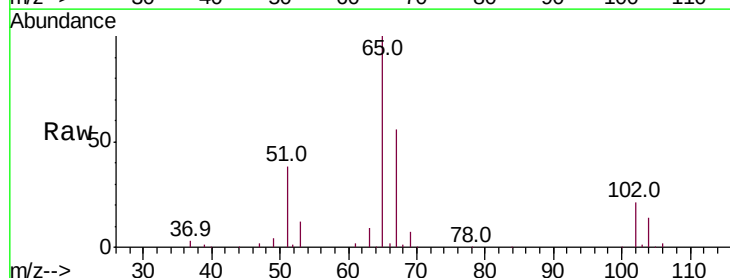
Acq: 22 Jul 2019 16:33

Tgt Ion: 65 Resp: 152439

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN

Ion 66.90 (66.60 to 67.60): VN

8.03

60000

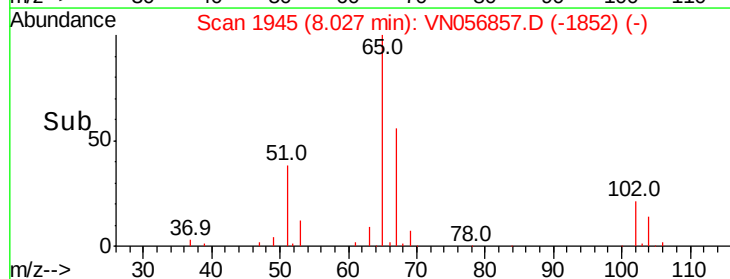
40000

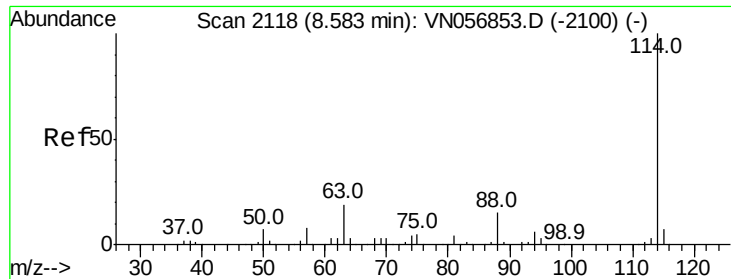
20000

0

8.00 8.10

Time-->

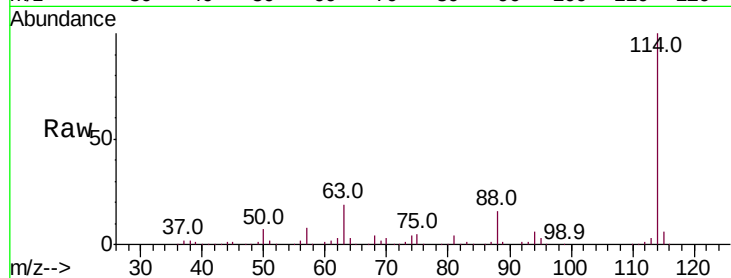




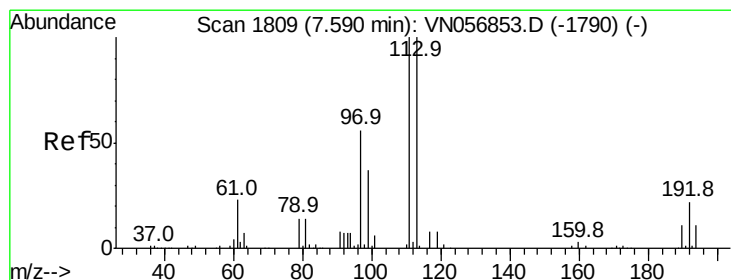
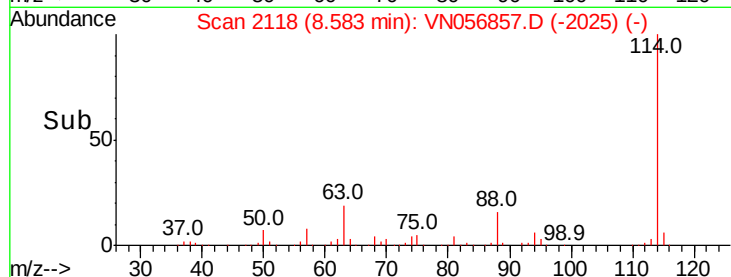
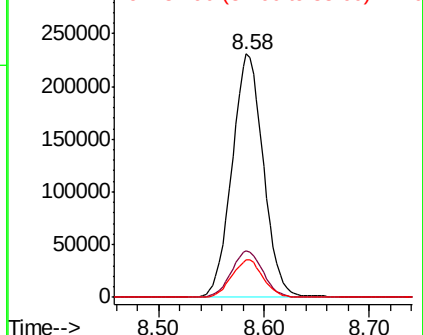
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN056857.D  
 Acq: 22 Jul 2019 16:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0722WBL01

Tot Ion:114 Resp: 475429  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 37.8  
 88 15.6 0.0 31.0

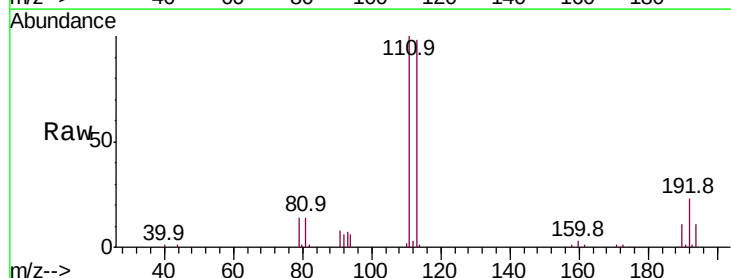


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

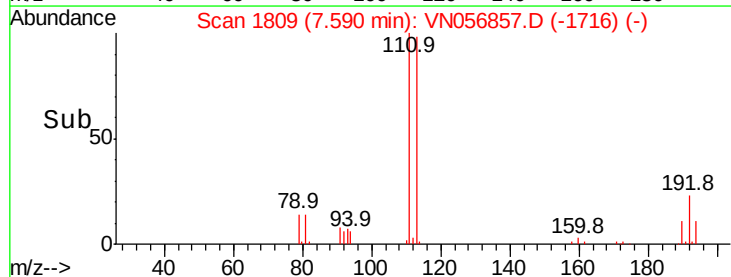
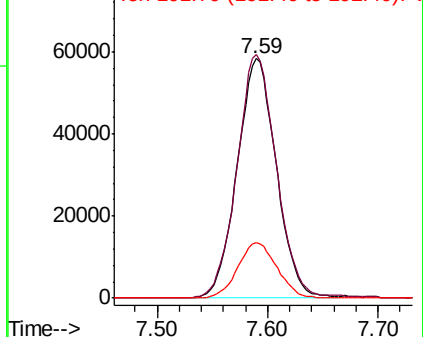


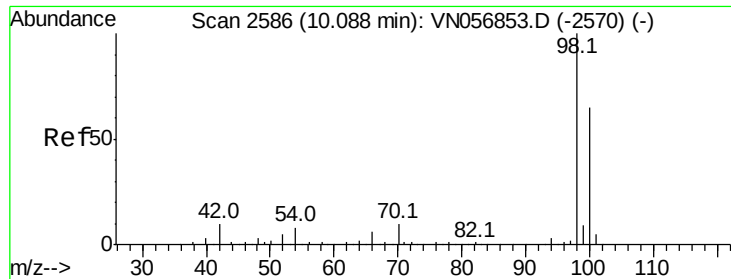
#35  
 Dibromofluoromethane  
 Concen: 47.573 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN056857.D  
 Acq: 22 Jul 2019 16:33

Tgt Ion:113 Resp: 143357  
 Ion Ratio Lower Upper  
 113 100  
 111 102.0 81.9 122.9  
 192 23.2 18.5 27.7



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

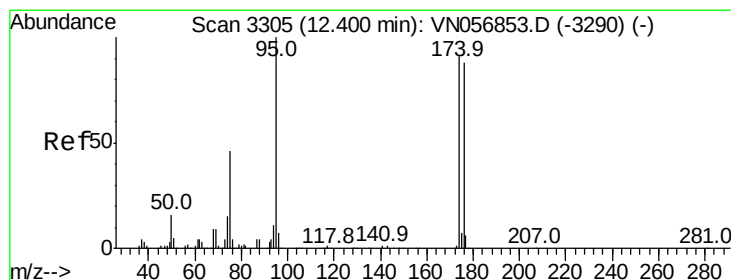
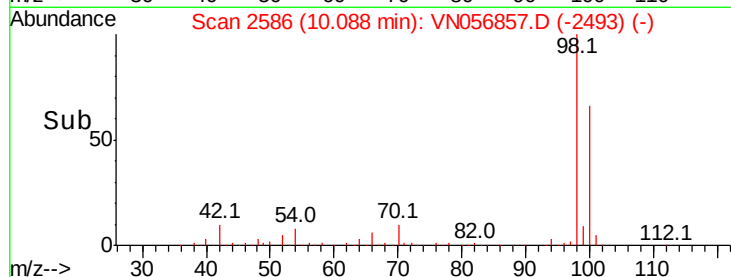
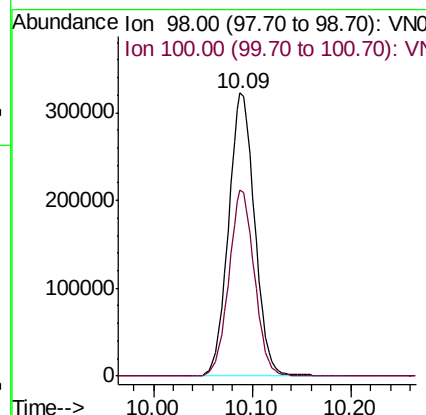
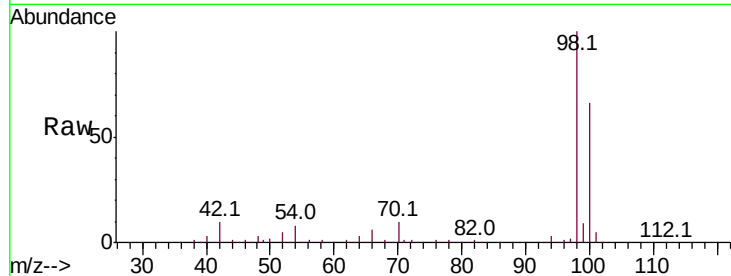




#50  
Toluene-d8  
Concen: 51.965 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN056857.D  
Acq: 22 Jul 2019 16:33

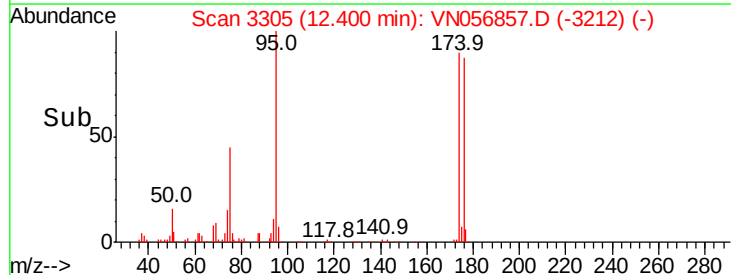
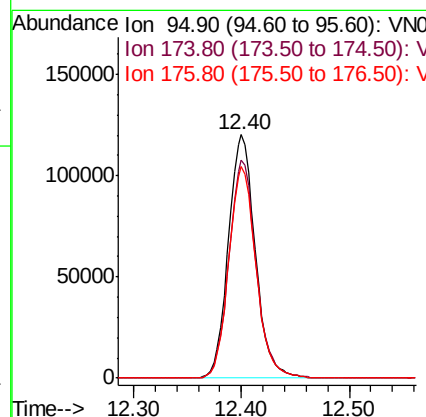
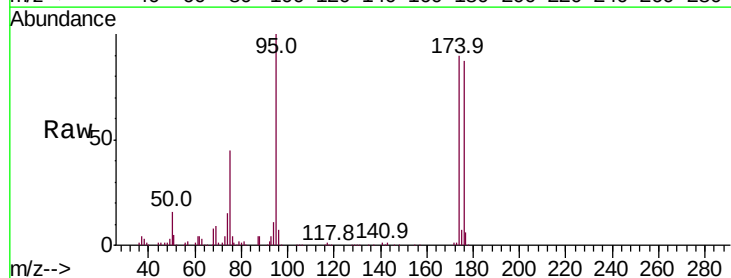
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0722WBL01

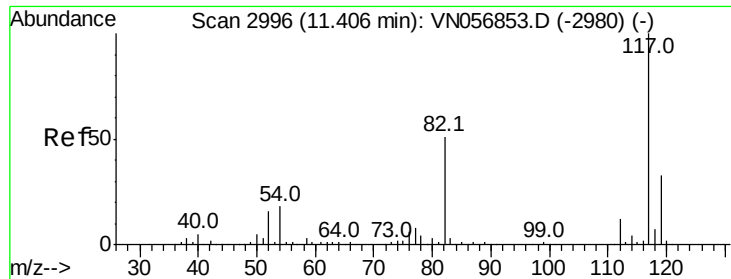
Tot Ion: 98 Resp: 599086  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.5 77.3



#62  
4-Bromofluorobenzene  
Concen: 55.366 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN056857.D  
Acq: 22 Jul 2019 16:33

Tgt Ion: 95 Resp: 208889  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 183.4  
176 88.0 0.0 175.8

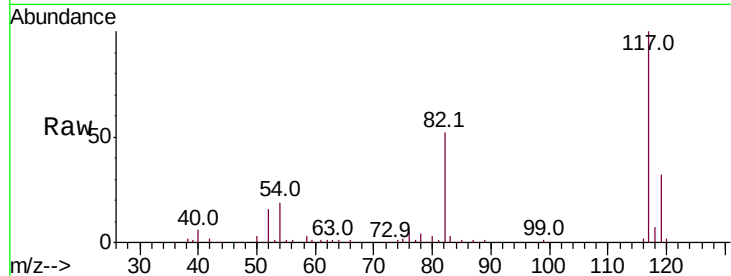




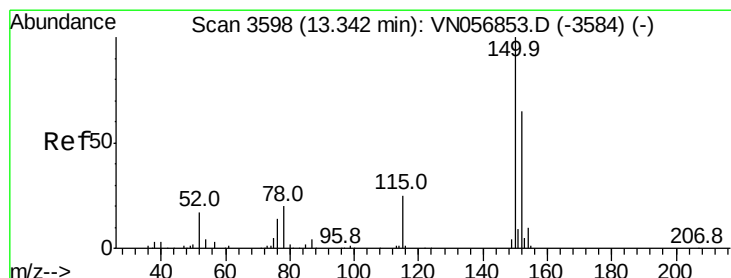
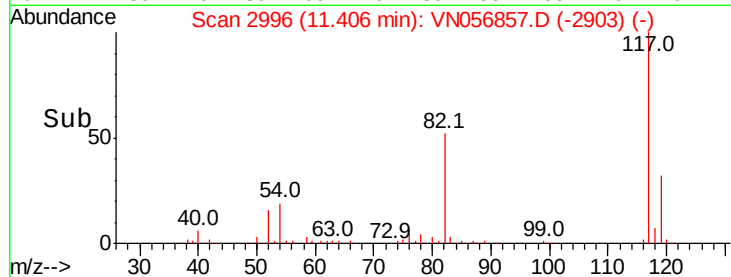
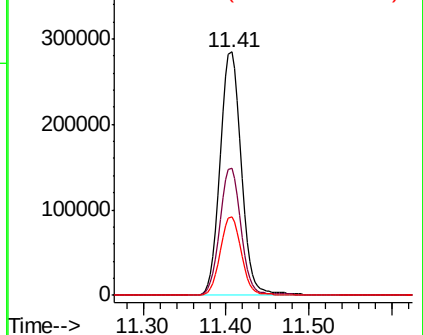
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. -0.00 min  
 Lab File: VN056857.D  
 Acq: 22 Jul 2019 16:33

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0722WBL01

Tot Ion:117 Resp: 503817  
 Ion Ratio Lower Upper  
 117 100  
 82 52.1 41.2 61.8  
 119 32.5 26.4 39.6

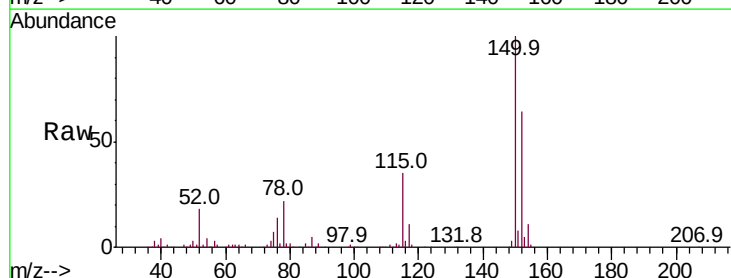


Abundance Ion 116.90 (116.60 to 117.60): V  
 Ion 82.00 (81.70 to 82.70): V  
 Ion 118.90 (118.60 to 119.60): V



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.34 min Scan# 3598  
 Delta R.T. -0.00 min  
 Lab File: VN056857.D  
 Acq: 22 Jul 2019 16:33

Tgt Ion:152 Resp: 158875  
 Ion Ratio Lower Upper  
 152 100  
 115 55.1 27.6 82.7  
 150 156.5 0.0 343.0



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

