

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\  
 Data File : VN054682.D  
 Acq On : 25 Mar 2019 19:23  
 Operator : JC/SP  
 Sample : K2056-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CS-10

Quant Time: Mar 26 03:53:40 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

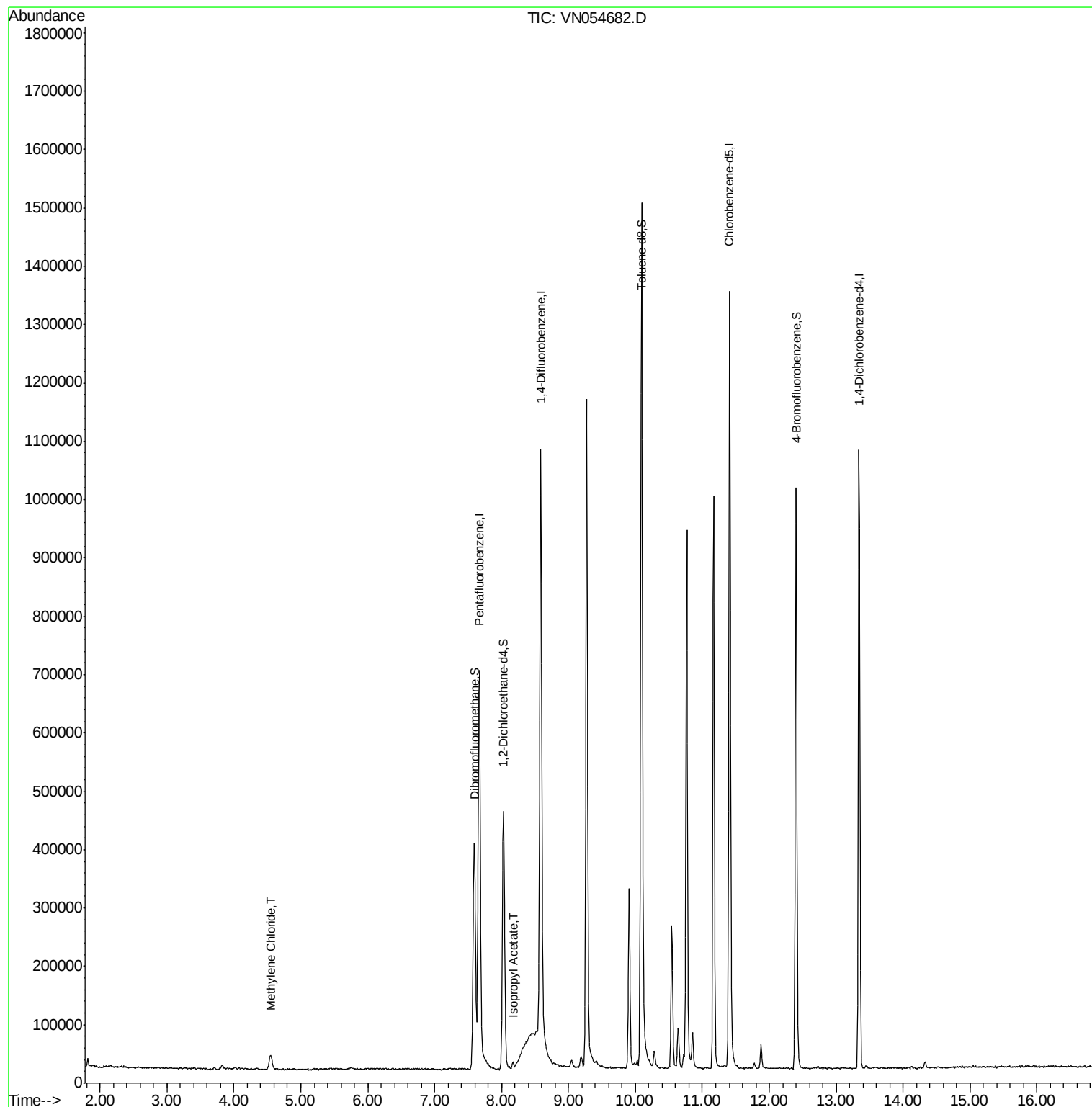
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 582517   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 942641   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 781447   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 283723   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 384073   | 53.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.02% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 294825   | 48.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.10%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1134939  | 49.71 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.42%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 341673   | 43.98 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.96%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 16488    | 2.568 | ug/l #  | 75       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 14678    | 1.386 | ug/l #  | 92       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032519\  
Data File : VN054682.D  
Acq On : 25 Mar 2019 19:23  
Operator : JC/SP  
Sample : K2056-08  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
CS-10

Quant Time: Mar 26 03:53:40 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: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA\_N

ClientSampleId :

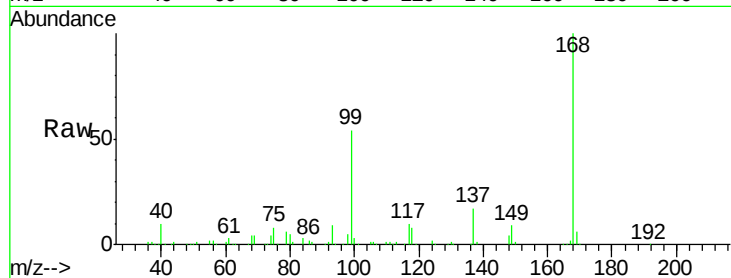
CS-10

Tot Ion:168 Resp: 582517

Ion Ratio Lower Upper

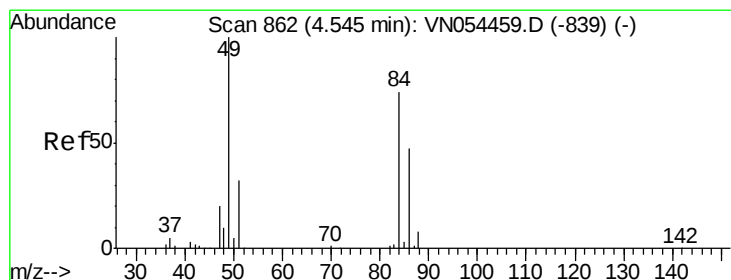
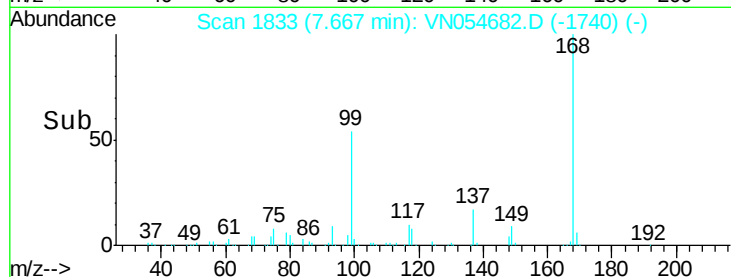
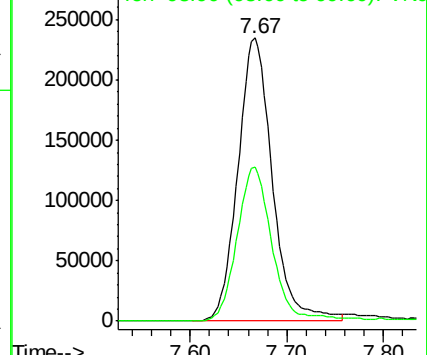
168 100

99 54.4 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 2.568 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.01 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Tgt Ion: 84 Resp: 16488

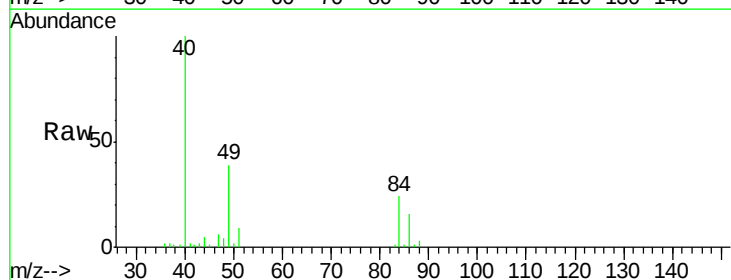
Ion Ratio Lower Upper

84 100

49 158.1 89.7 134.5#

51 37.3 28.2 42.4

86 67.1 50.8 76.2

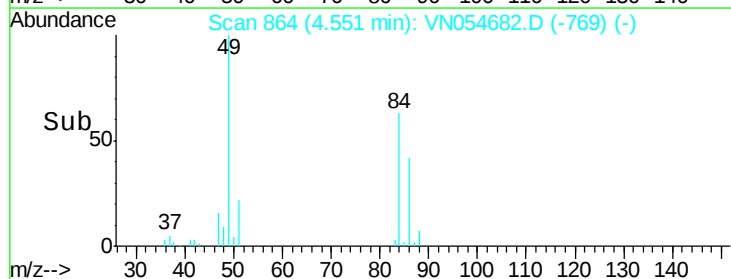
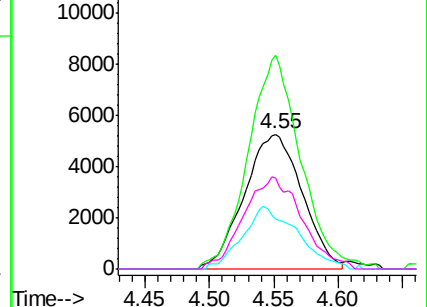


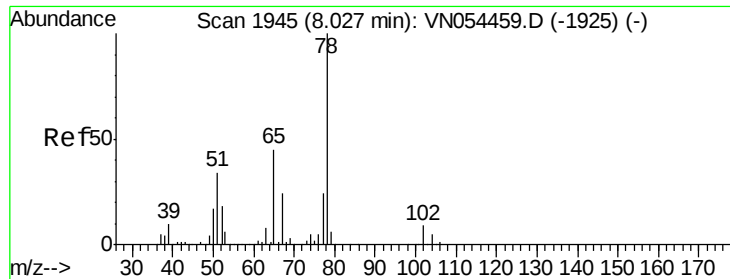
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 53.008 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA\_N

ClientSampled :

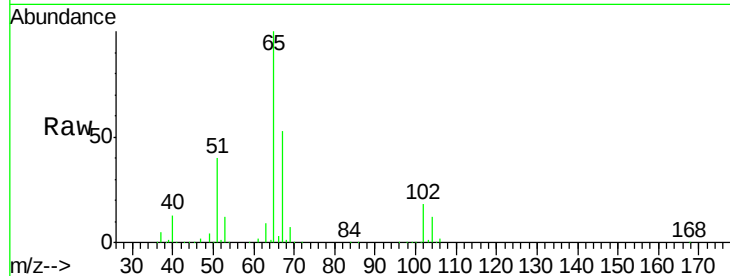
CS-10

Tot Ion: 65 Resp: 384073

Ion Ratio Lower Upper

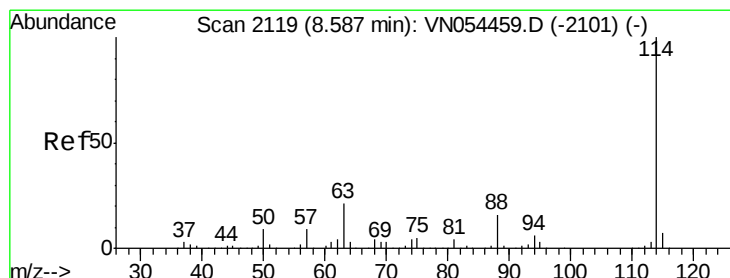
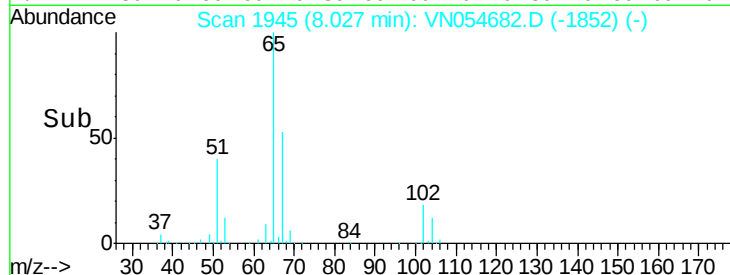
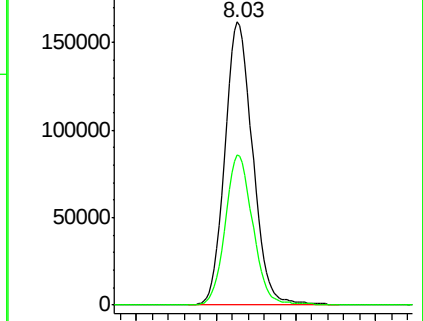
65 100

67 52.7 0.0 104.6



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: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

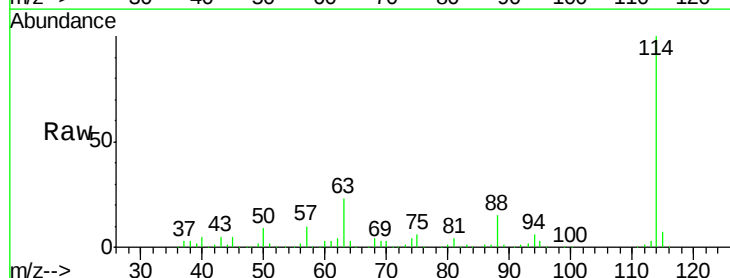
Tgt Ion: 114 Resp: 942641

Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.2

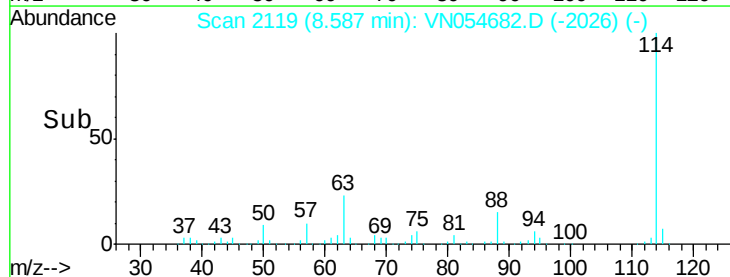
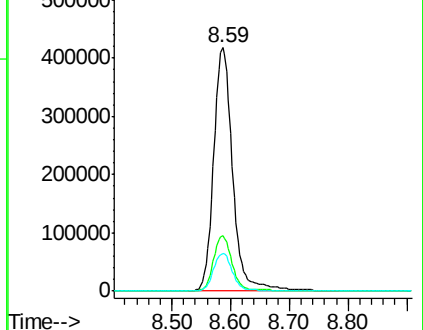
88 15.4 0.0 30.2

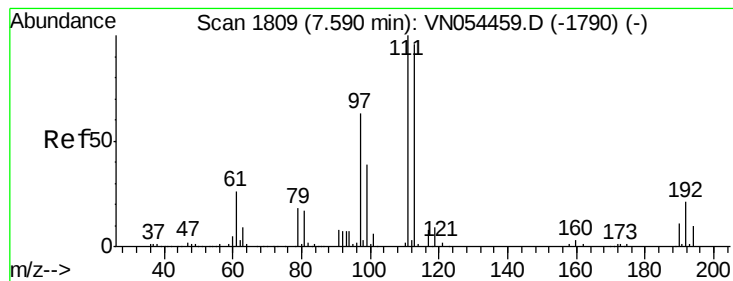


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 48.547 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA\_N

ClientSampleId :

CS-10

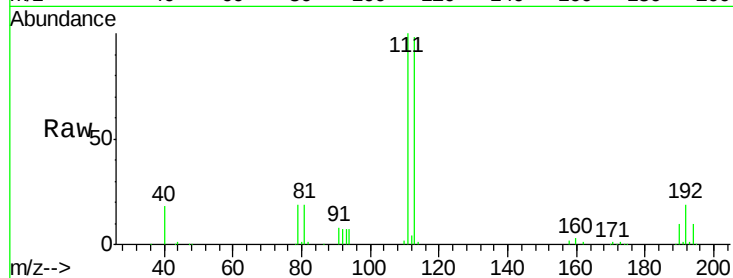
Tot Ion:113 Resp: 294825

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

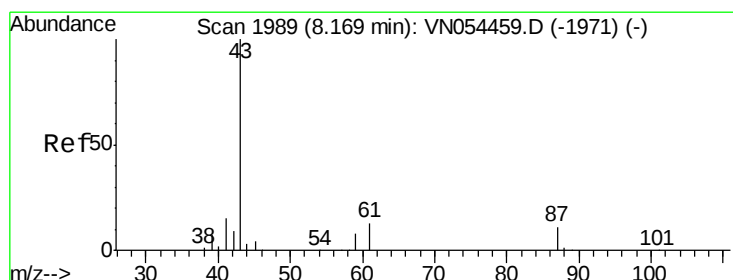
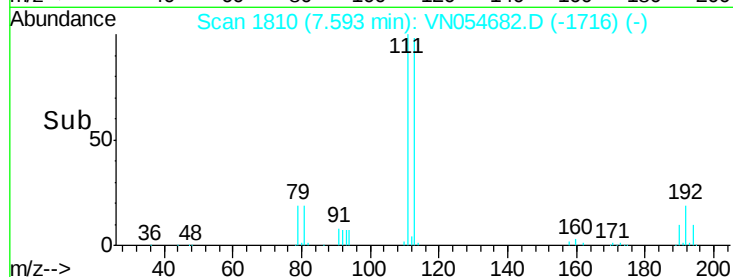
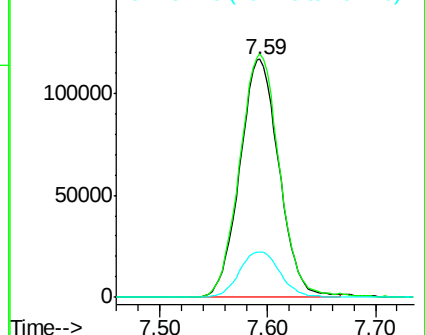
192 19.8 19.2 28.8



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



#43

Isopropyl Acetate

Concen: 1.386 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

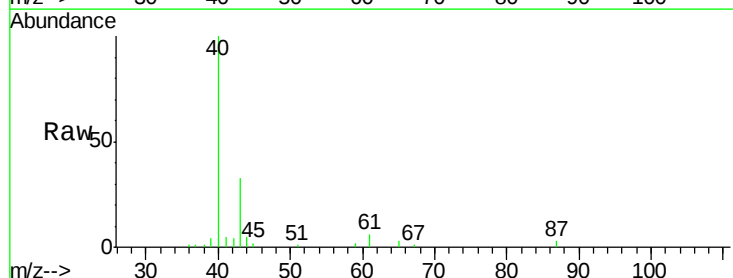
Tgt Ion: 43 Resp: 14678

Ion Ratio Lower Upper

43 100

61 16.8 15.8 23.8

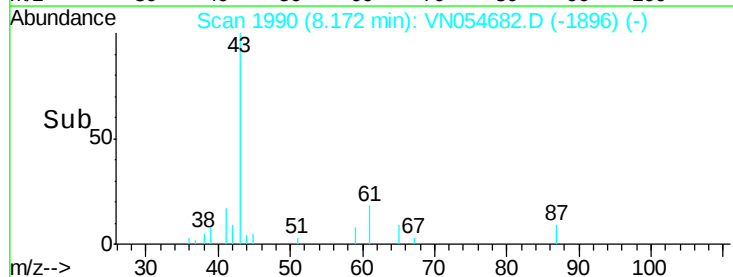
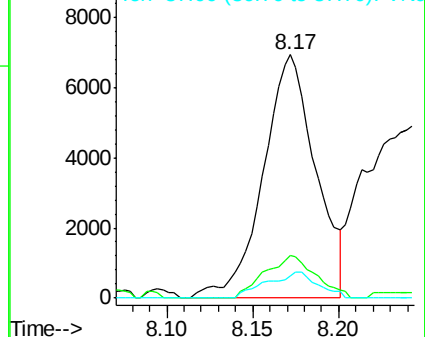
87 10.4 12.0 18.0#

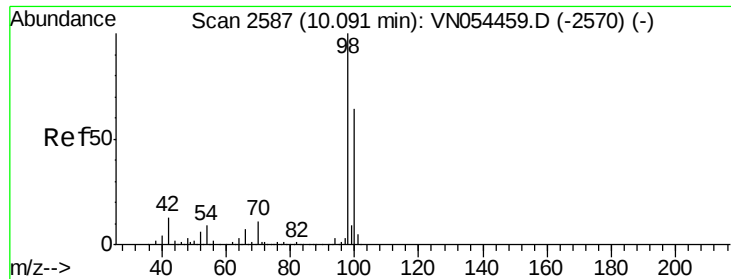


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.711 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

Instrument :

MSVOA\_N

ClientSampleId :

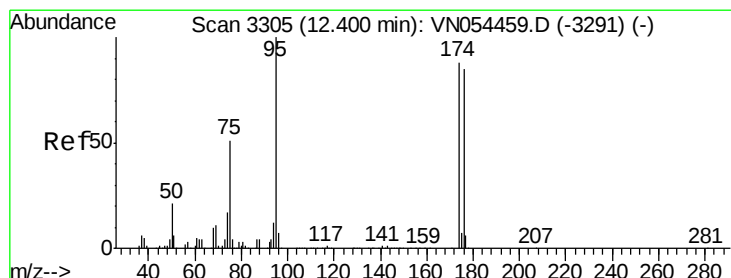
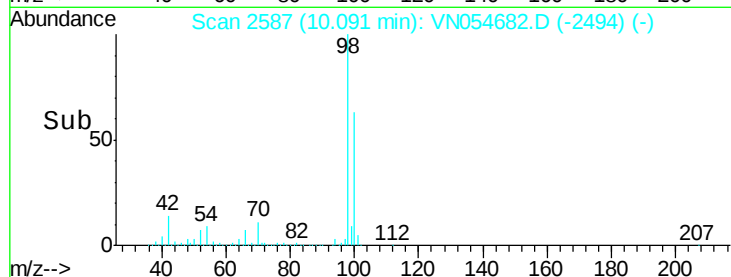
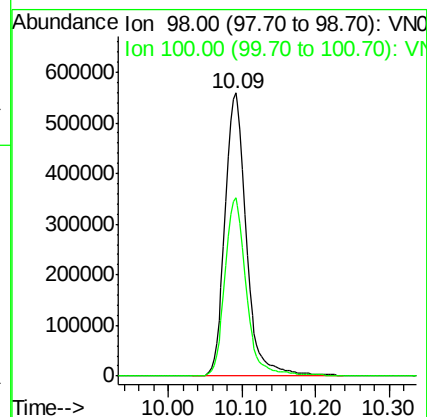
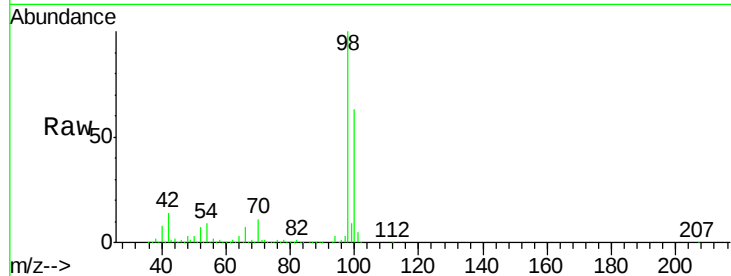
CS-10

Tot Ion: 98 Resp: 1134939

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 43.980 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054682.D

Acq: 25 Mar 2019 19:23

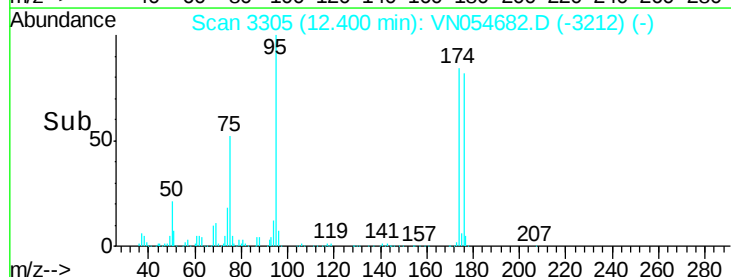
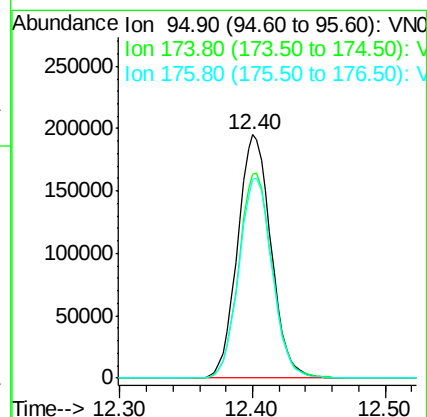
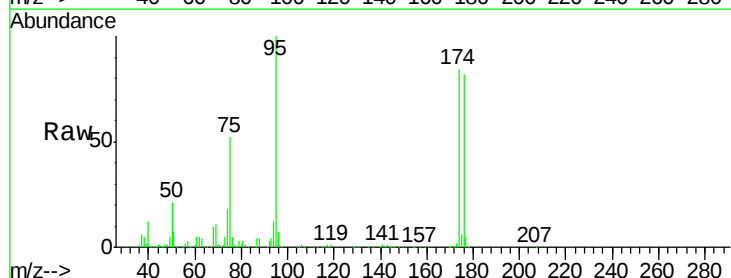
Tgt Ion: 95 Resp: 341673

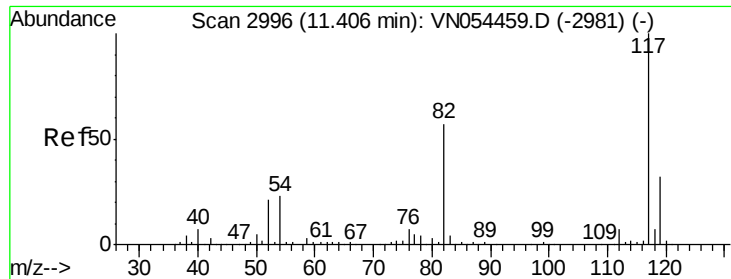
Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

176 81.7 0.0 187.4

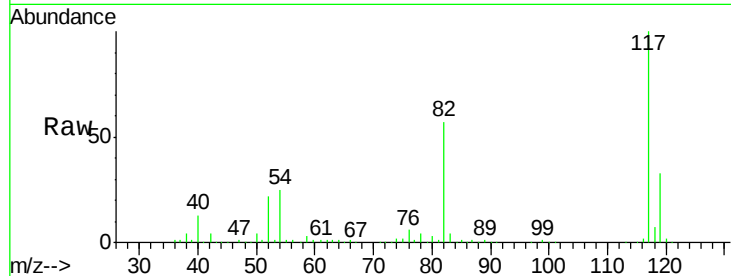




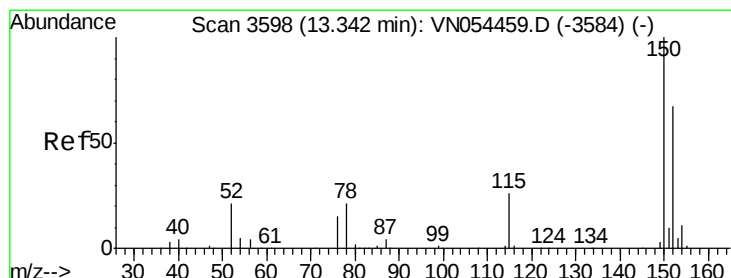
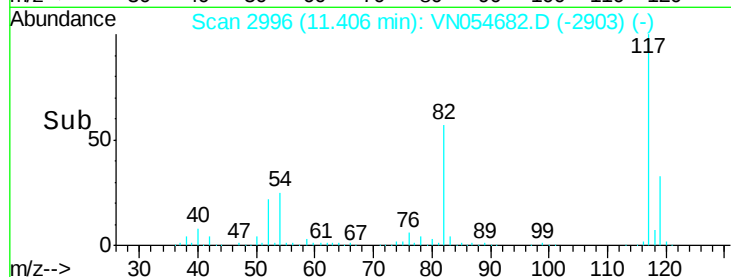
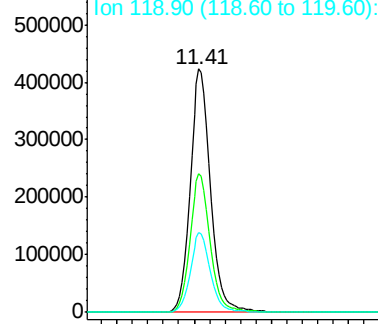
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN054682.D  
Acq: 25 Mar 2019 19:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
CS-10

Tot Ion:117 Resp: 781447  
Ion Ratio Lower Upper  
117 100  
82 57.1 40.0 60.0  
119 32.8 25.8 38.6

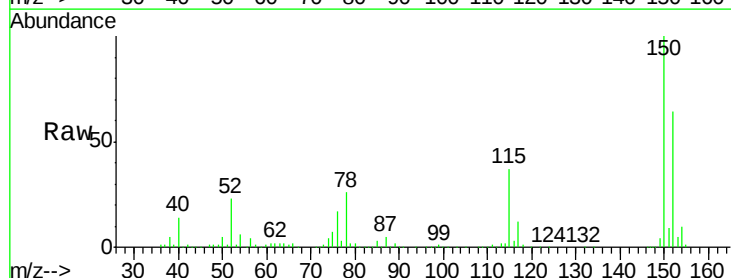


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN054682.D  
Acq: 25 Mar 2019 19:23

Tgt Ion:152 Resp: 283723  
Ion Ratio Lower Upper  
152 100  
115 57.7 27.2 81.6  
150 156.0 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

