

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN033119\  
 Data File : VN054850.D  
 Acq On : 31 Mar 2019 15:06  
 Operator : JC/SP  
 Sample : K2179-12  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-8S

Quant Time: Apr 01 03:23:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N032919W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Mar 30 00:48:18 2019  
 Response via : Initial Calibration

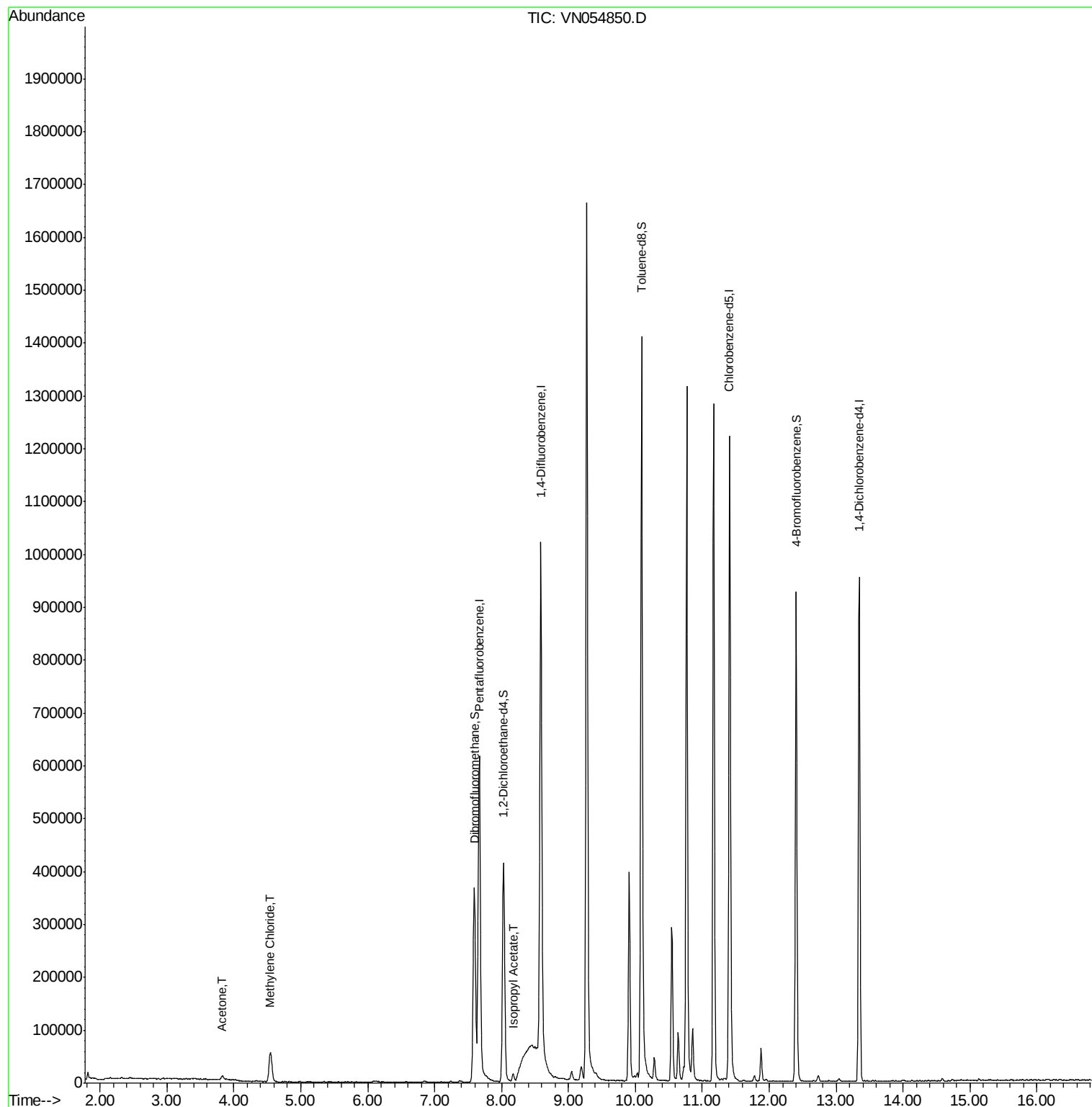
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 522348   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 871381   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 733450   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 253457   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 357891   | 50.83 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.66% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 274398   | 47.23 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.46%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1027326  | 47.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.14%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 312024   | 43.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 86.88%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.83  | 43   | 11386    | 6.781 | ug/l #  | 83       |
| 20) Methylene Chloride      | 4.54  | 84   | 38415    | 6.486 | ug/l #  | 83       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 19177    | 1.982 | ug/l #  | 93       |

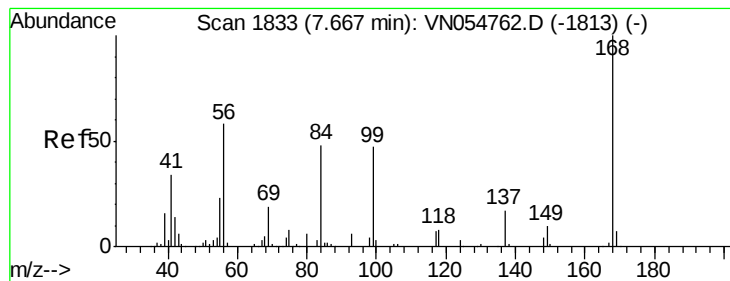
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN033119\  
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TP-8S

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Quant Title : SW846 8260  
QLast Update : Sat Mar 30 00:48:18 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: VN054850.D

Acq: 31 Mar 2019 15:06

Instrument :

MSVOA\_N

ClientSampleId :

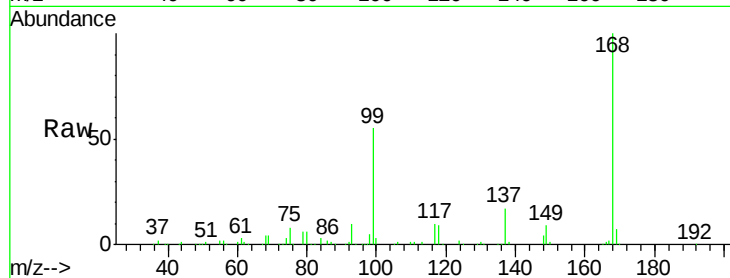
TP-8S

Tgt Ion:168 Resp: 522348

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

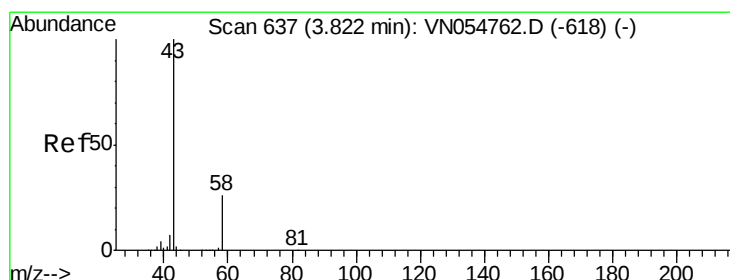
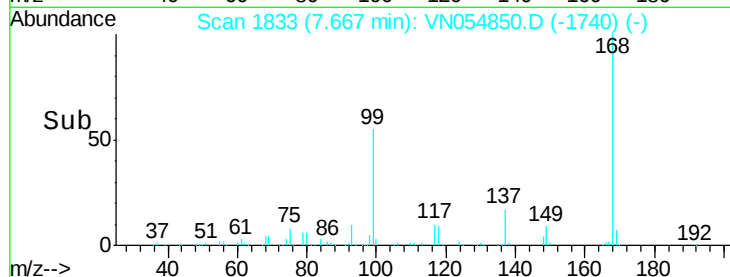
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.781 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054850.D

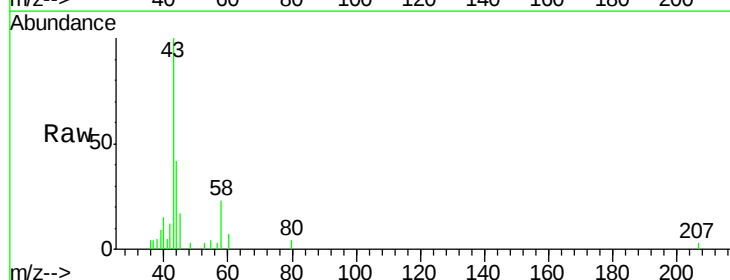
Acq: 31 Mar 2019 15:06

Tgt Ion: 43 Resp: 11386

Ion Ratio Lower Upper

43 100

58 27.2 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

6000

5000

4000

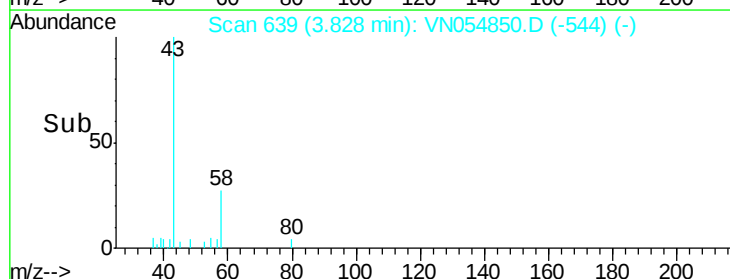
3000

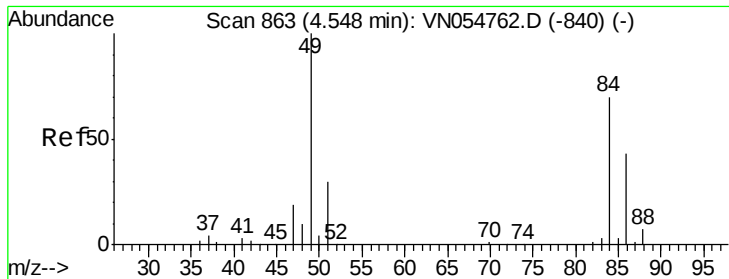
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 6.486 ug/l

RT: 4.54 min Scan# 862

Delta R.T. -0.00 min

Lab File: VN054850.D

Acq: 31 Mar 2019 15:06

Instrument :

MSVOA\_N

ClientSampled :

TP-8S

Tgt Ion: 84 Resp: 38415

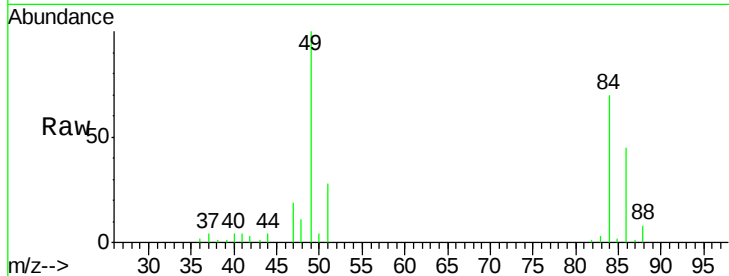
Ion Ratio Lower Upper

84 100

49 142.7 89.7 134.5#

51 39.9 28.2 42.4

86 63.7 50.8 76.2

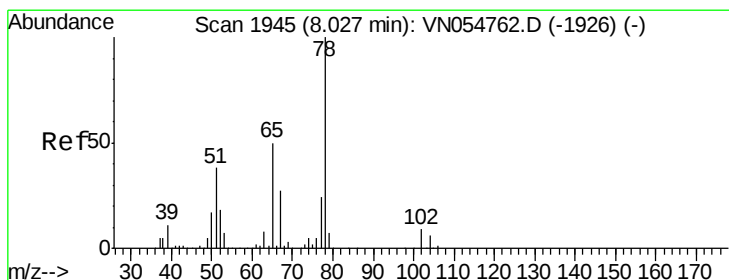
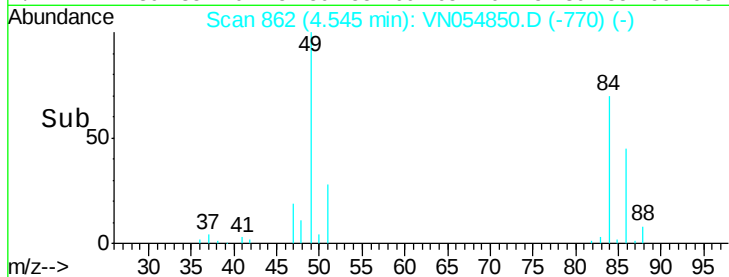
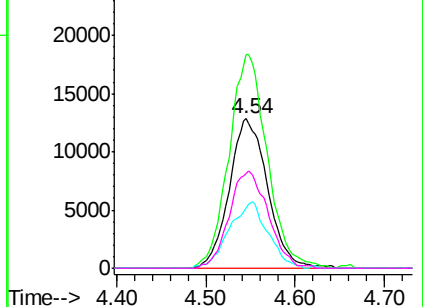


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.827 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054850.D

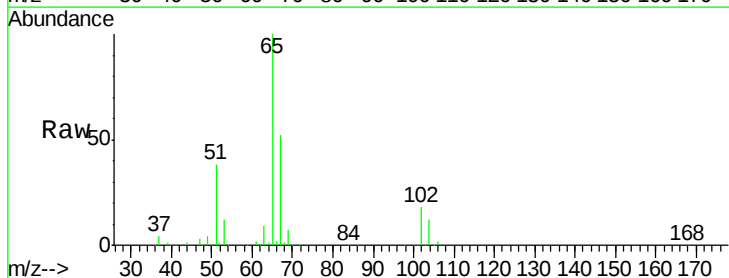
Acq: 31 Mar 2019 15:06

Tgt Ion: 65 Resp: 357891

Ion Ratio Lower Upper

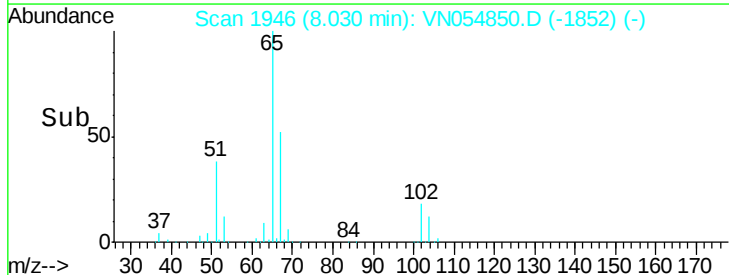
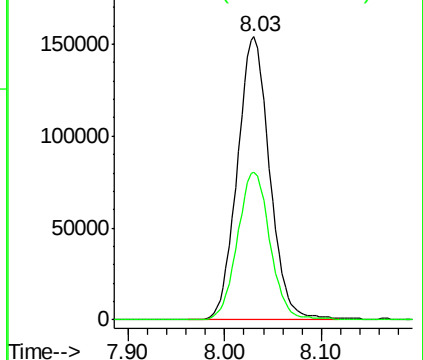
65 100

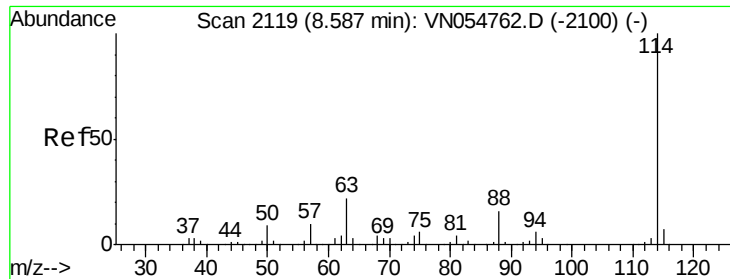
67 52.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

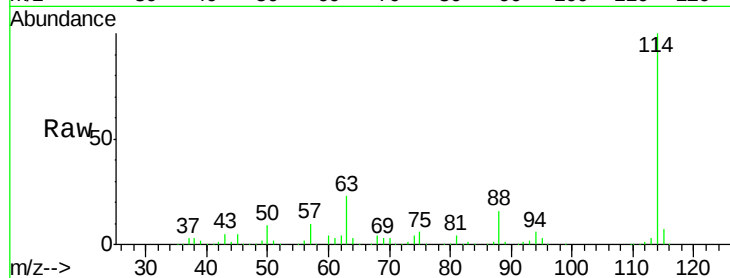




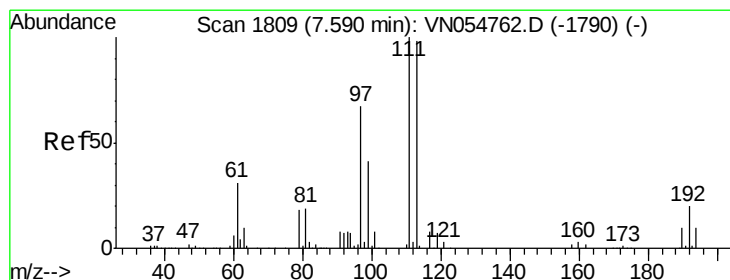
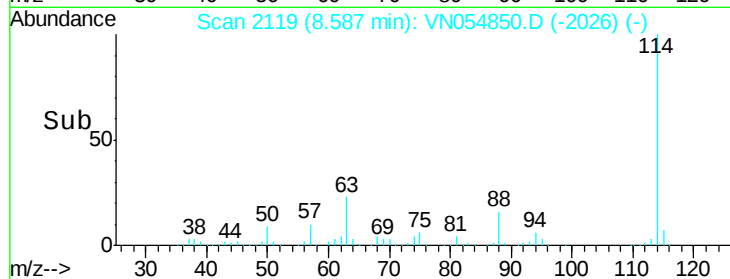
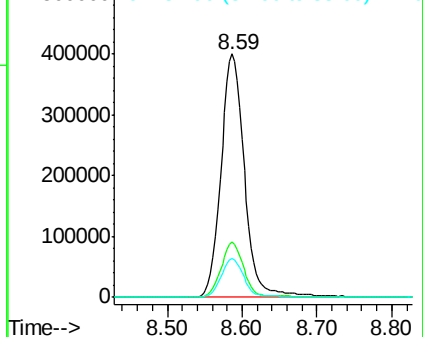
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. -0.00 min  
Lab File: VN054850.D  
Acq: 31 Mar 2019 15:06

Instrument :  
MSVOA\_N  
ClientSampled :  
TP-8S

Tgt Ion:114 Resp: 871381  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 35.2  
88 16.0 0.0 30.2

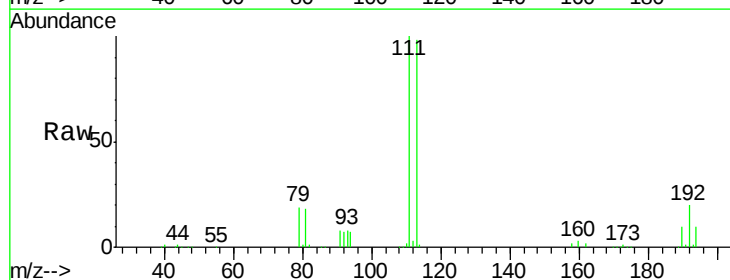


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): V  
Ion 87.90 (87.60 to 88.60): V

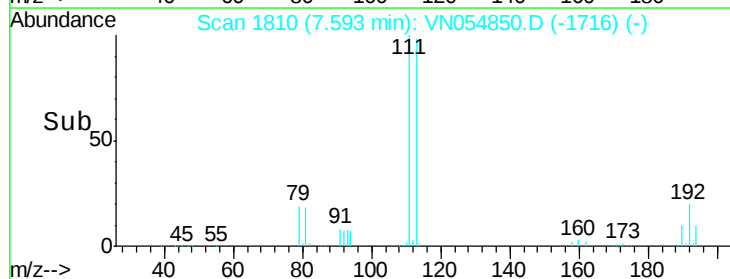
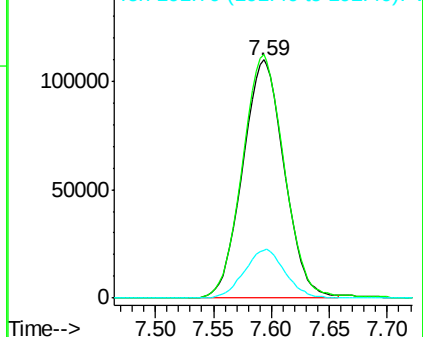


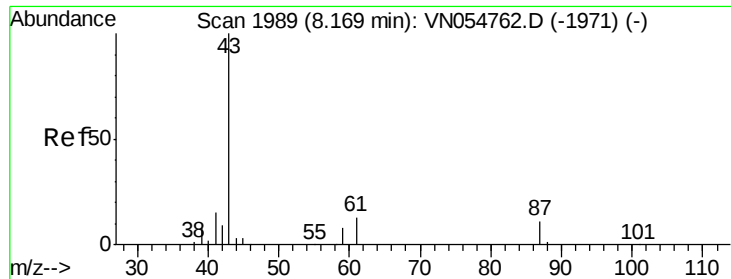
#35  
Dibromofluoromethane  
Concen: 47.233 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN054850.D  
Acq: 31 Mar 2019 15:06

Tgt Ion:113 Resp: 274398  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.2 123.4  
192 20.2 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

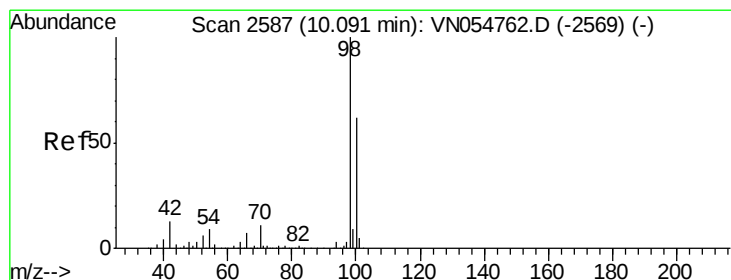
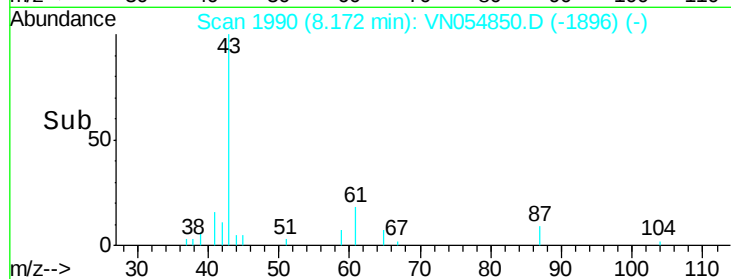
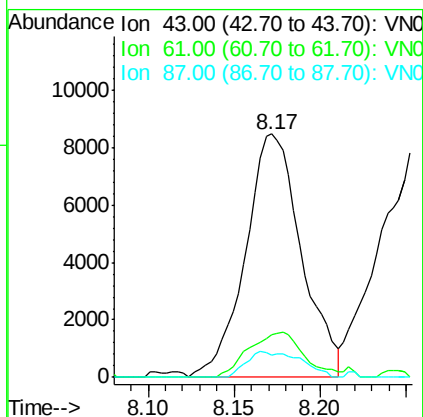
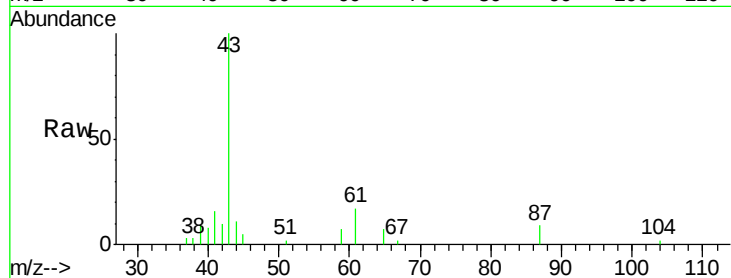




#43  
Isopropyl Acetate  
Concen: 1.982 ug/l  
RT: 8.17 min Scan# 1990  
Delta R.T. 0.00 min  
Lab File: VN054850.D  
Acq: 31 Mar 2019 15:06

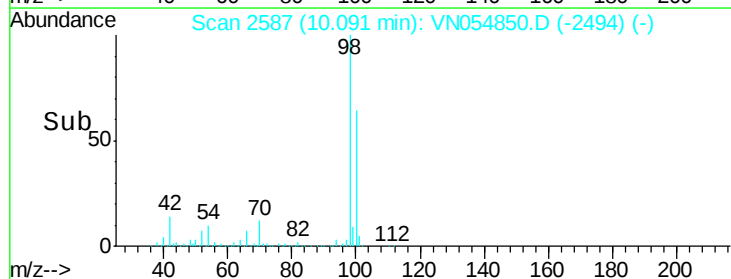
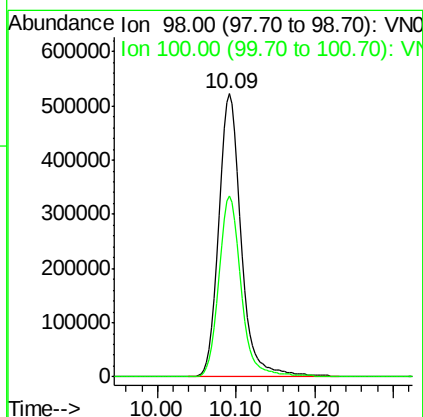
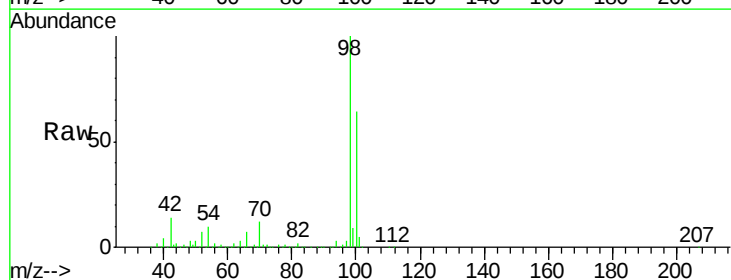
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-8S

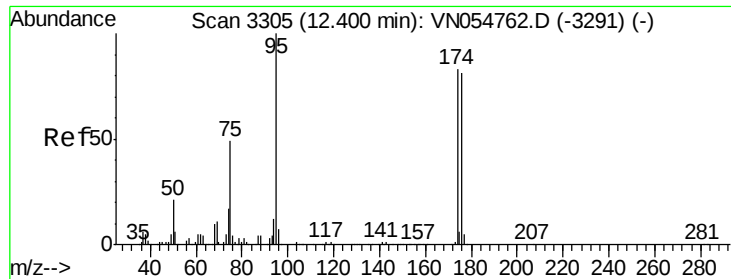
Tgt Ion: 43 Resp: 19177  
Ion Ratio Lower Upper  
43 100  
61 18.4 15.8 23.8  
87 10.4 12.0 18.0#



#50  
Toluene-d8  
Concen: 47.565 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN054850.D  
Acq: 31 Mar 2019 15:06

Tgt Ion: 98 Resp: 1027326  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 43.439 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054850.D

Acq: 31 Mar 2019 15:06

Instrument :

MSVOA\_N

ClientSampled :

TP-8S

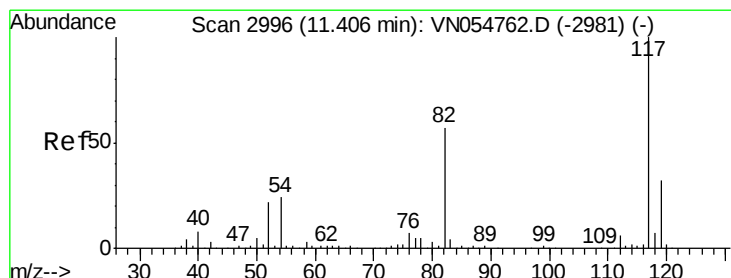
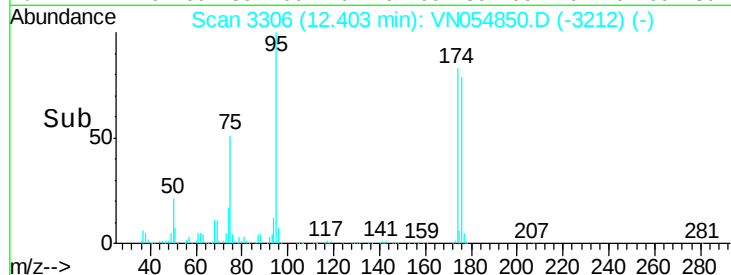
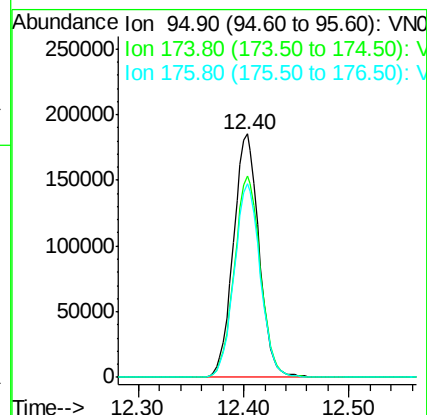
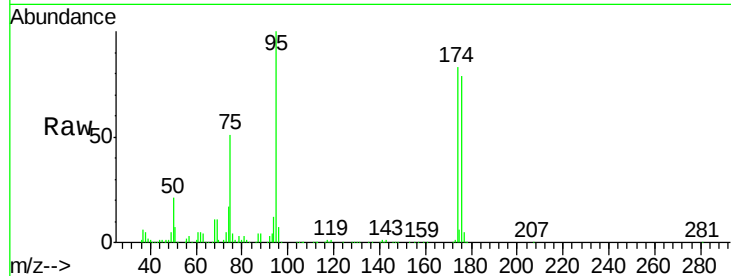
Tgt Ion: 95 Resp: 312024

Ion Ratio Lower Upper

95 100

174 84.3 0.0 191.0

176 80.4 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: VN054850.D

Acq: 31 Mar 2019 15:06

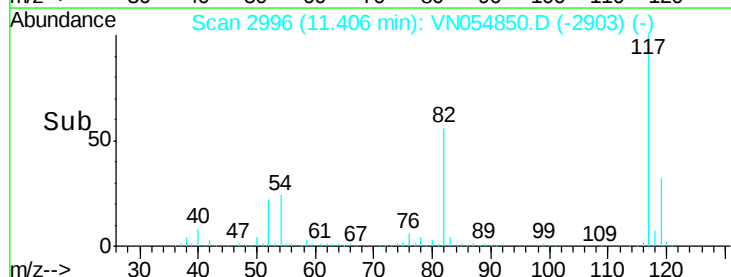
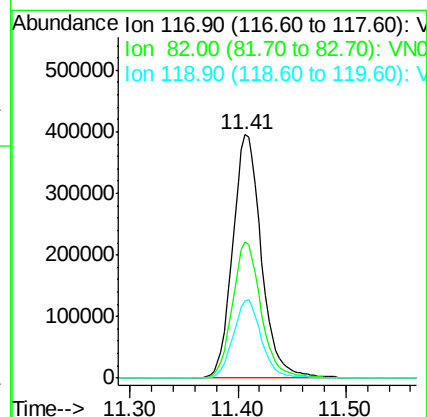
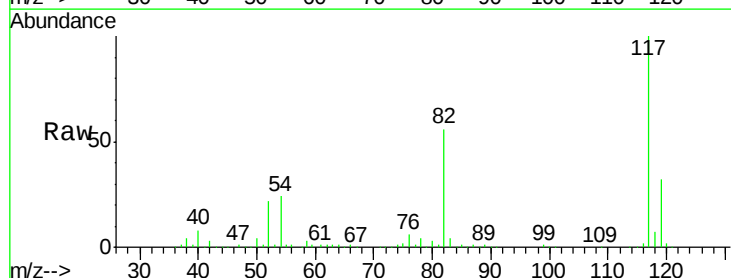
Tgt Ion: 117 Resp: 733450

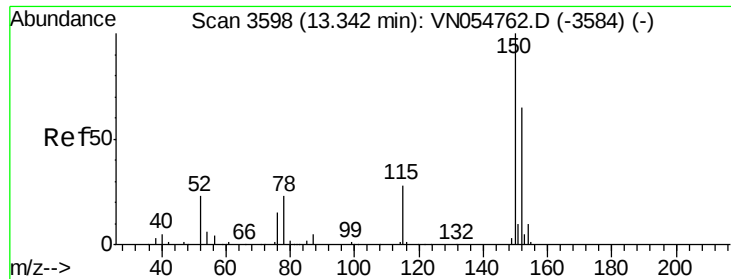
Ion Ratio Lower Upper

117 100

82 55.7 40.0 60.0

119 31.8 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054850.D

Acq: 31 Mar 2019 15:06

Instrument :

MSVOA\_N

ClientSampleId :

TP-8S

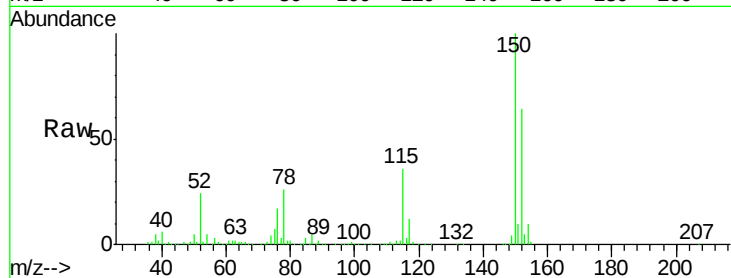
Tgt Ion:152 Resp: 253457

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

150 157.2 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

