

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\  
 Data File : VN055843.D  
 Acq On : 28 May 2019 11:10  
 Operator : JC/SP  
 Sample : K3037-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB-20190523

Quant Time: May 28 18:26:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

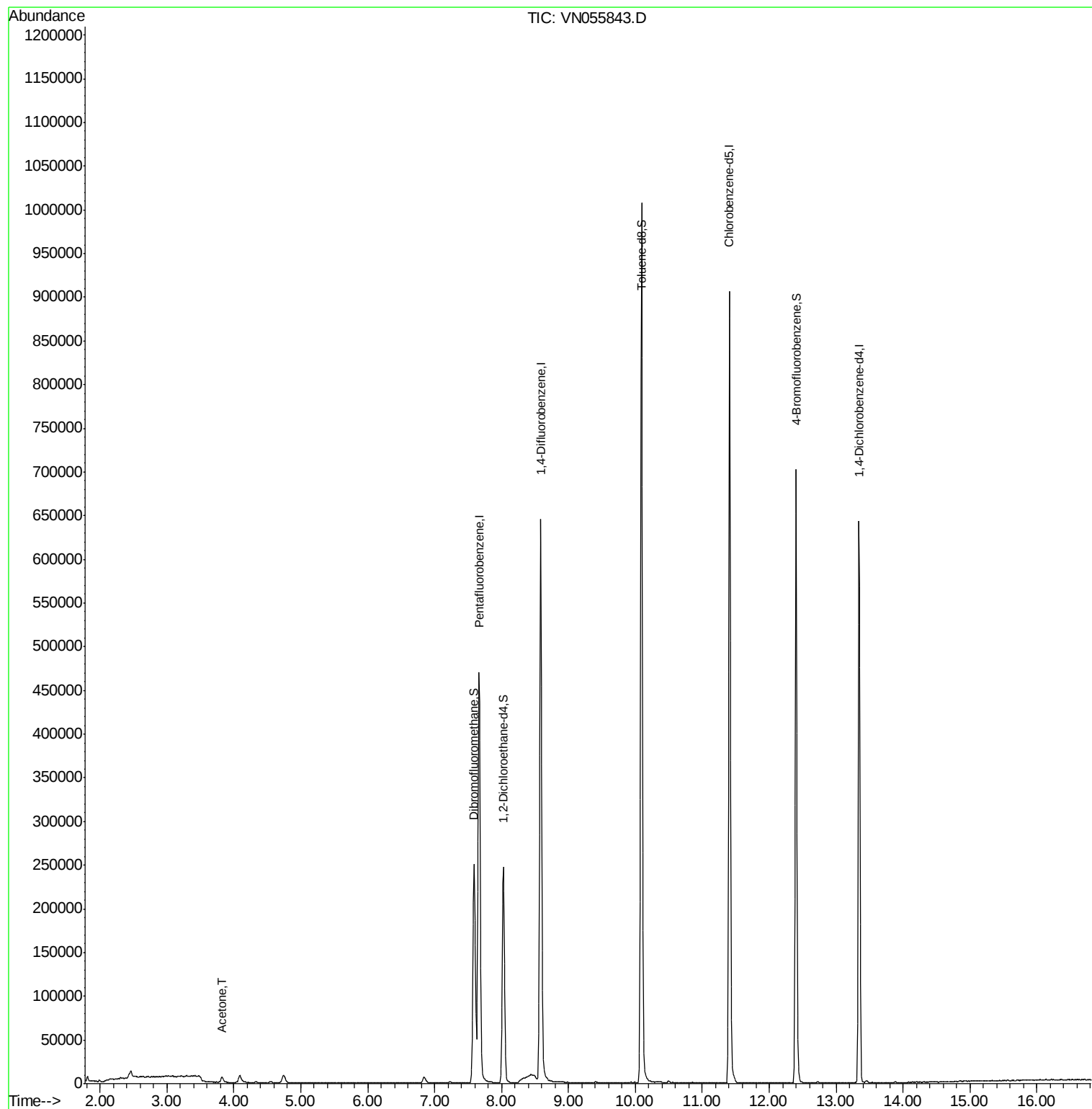
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 449546   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 639917   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 580644   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 201876   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 209617   | 45.15 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.30% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 190934   | 47.19 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 94.38% |           |
| 50) Toluene-d8              | 10.09 | 98   | 760848   | 49.03 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.06% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 243678   | 45.79 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.58% |           |
| Target Compounds            |       |      |          |       |        |           |
| 16) Acetone                 | 3.82  | 43   | 11080    | 5.429 | ug/l   | Qvalue 91 |

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

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Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 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: VN055843.D

Acq: 28 May 2019 11:10

Instrument :

MSVOA\_N

ClientSampleId :

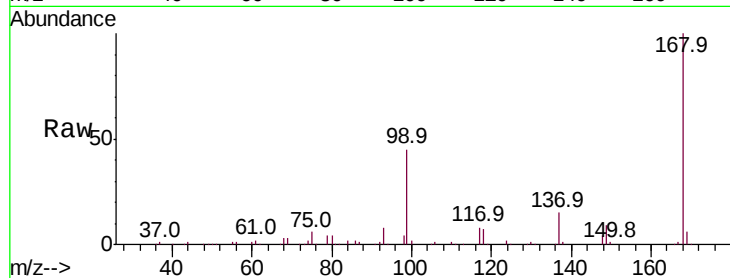
FB-20190523

Tot Ion:168 Resp: 449546

Ion Ratio Lower Upper

168 100

99 45.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

150000

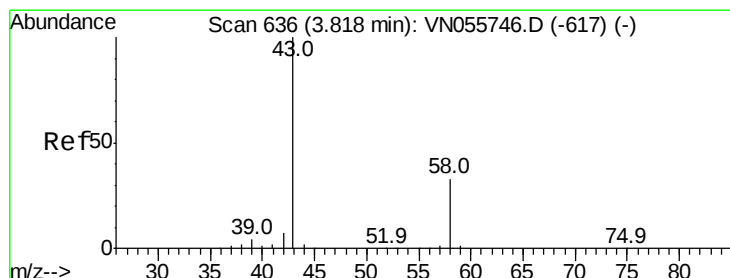
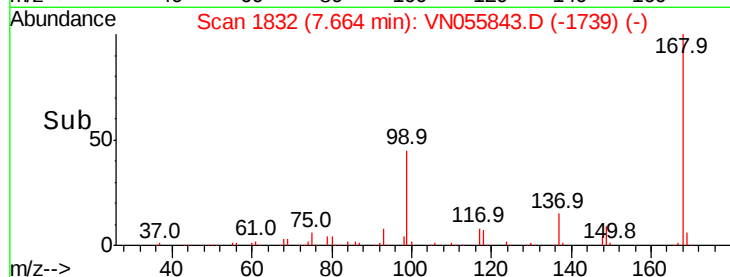
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 5.429 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055843.D

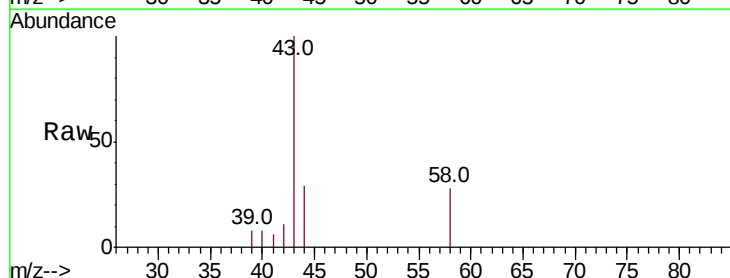
Acq: 28 May 2019 11:10

Tgt Ion: 43 Resp: 11080

Ion Ratio Lower Upper

43 100

58 28.1 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

4000

3000

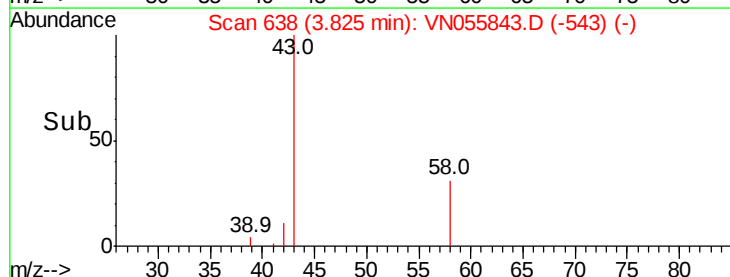
2000

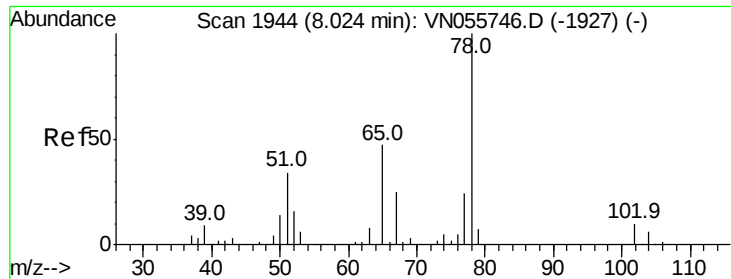
1000

0

3.75 3.80 3.85 3.90

Time-->

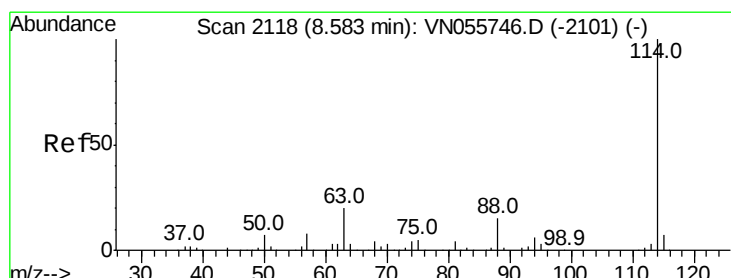
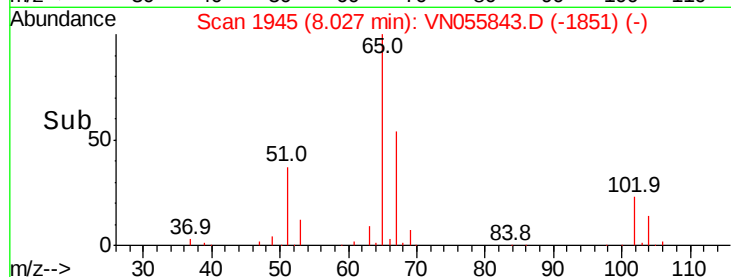
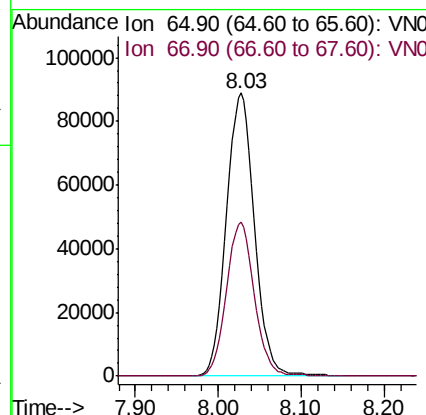
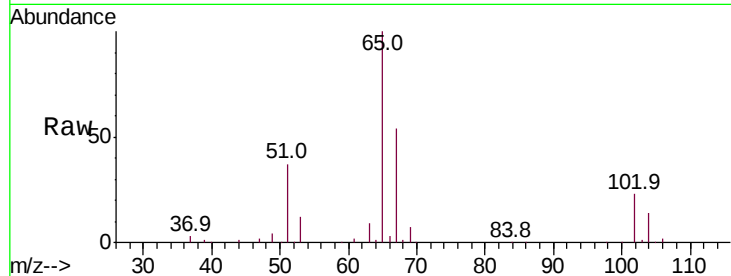




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.151 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055843.D  
 Acq: 28 May 2019 11:10

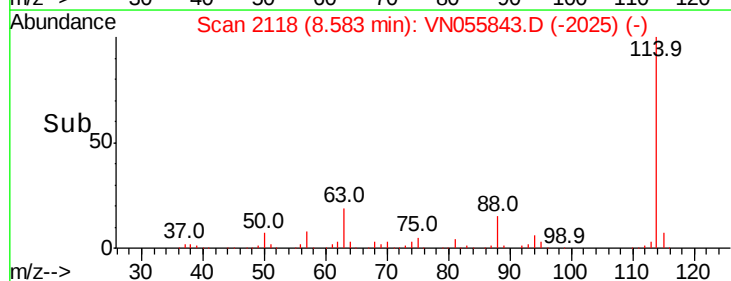
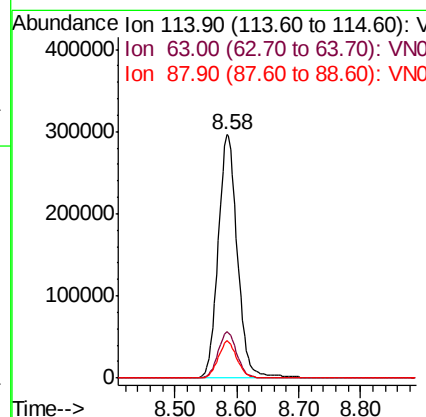
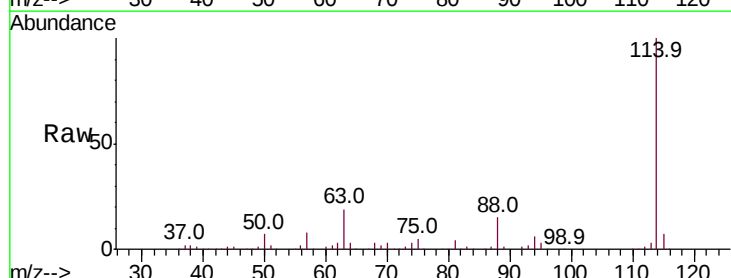
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 FB-20190523

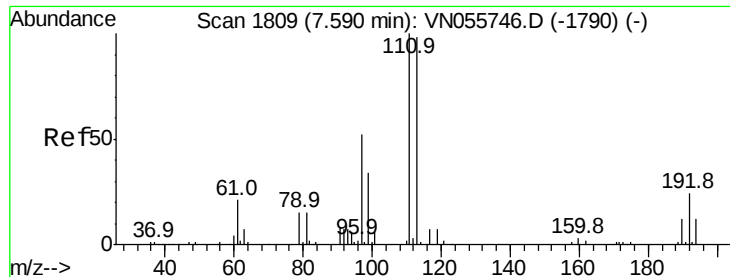
Tot Ion: 65 Resp: 209617  
 Ion Ratio Lower Upper  
 65 100  
 67 53.9 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055843.D  
 Acq: 28 May 2019 11:10

Tgt Ion: 114 Resp: 639917  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 39.2  
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.193 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055843.D

Acq: 28 May 2019 11:10

Instrument :

MSVOA\_N

ClientSampleId :

FB-20190523

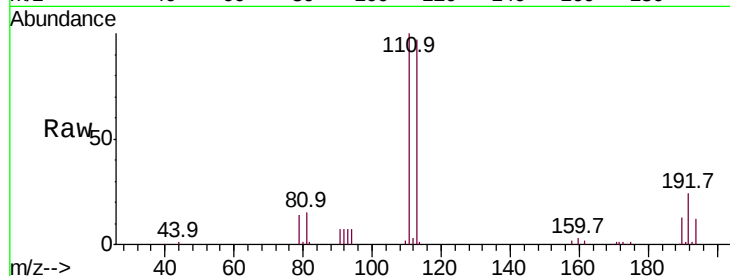
Tot Ion:113 Resp: 190934

Ion Ratio Lower Upper

113 100

111 101.6 81.9 122.9

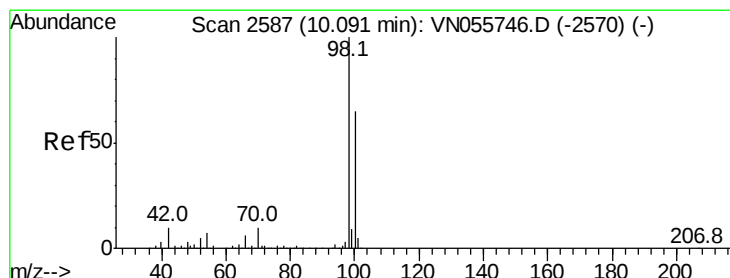
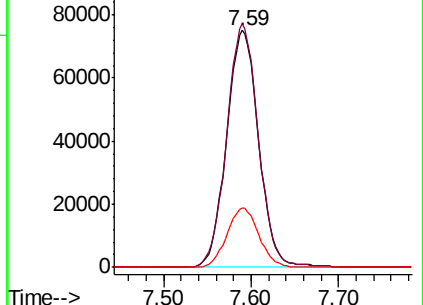
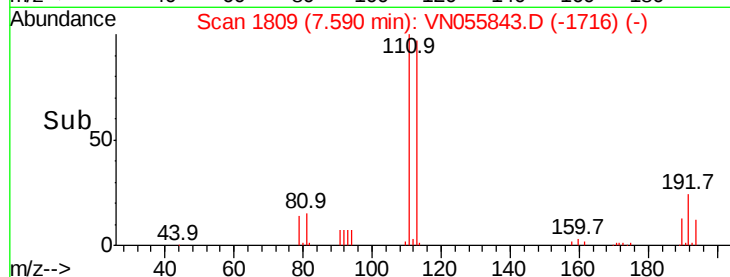
192 25.0 19.5 29.3



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: 49.026 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055843.D

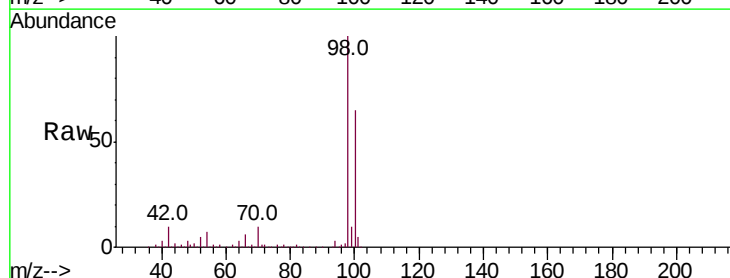
Acq: 28 May 2019 11:10

Tgt Ion: 98 Resp: 760848

Ion Ratio Lower Upper

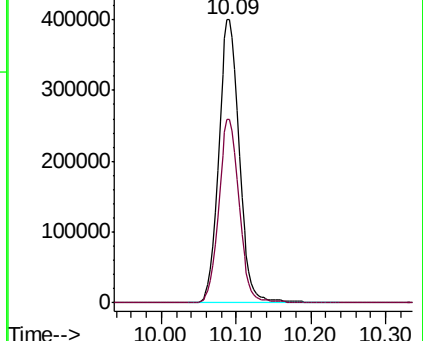
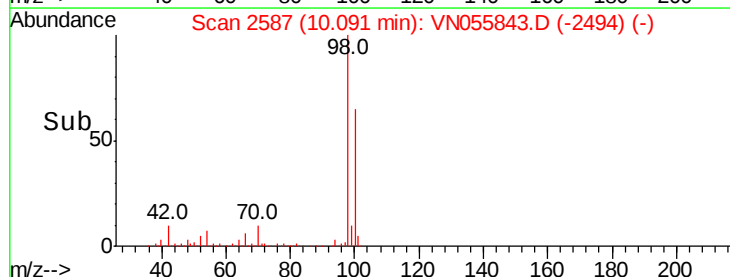
98 100

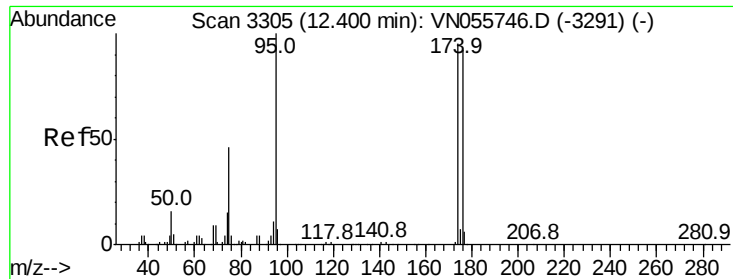
100 64.5 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.792 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055843.D

Acq: 28 May 2019 11:10

Instrument :

MSVOA\_N

ClientSampleId :

FB-20190523

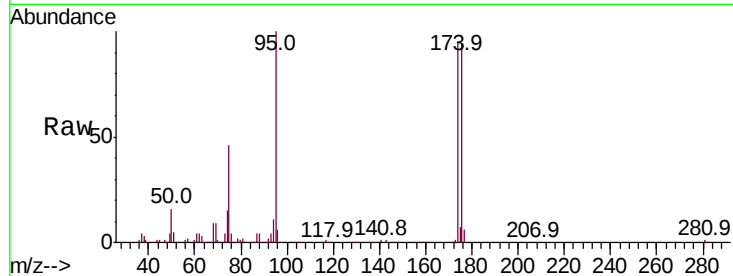
Tot Ion: 95 Resp: 243678

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.0

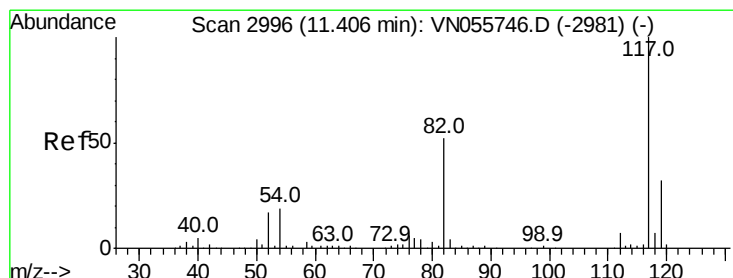
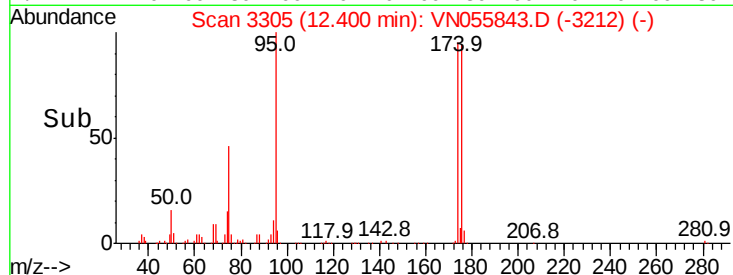
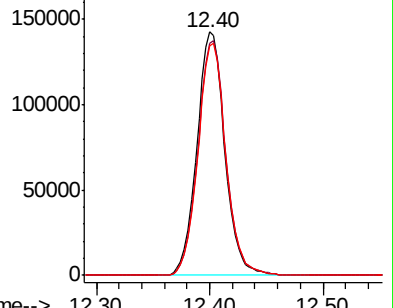
176 95.5 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055746.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055746.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055746.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055843.D

Acq: 28 May 2019 11:10

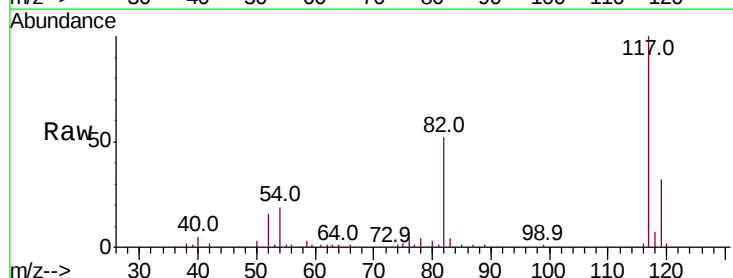
Tgt Ion: 117 Resp: 580644

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

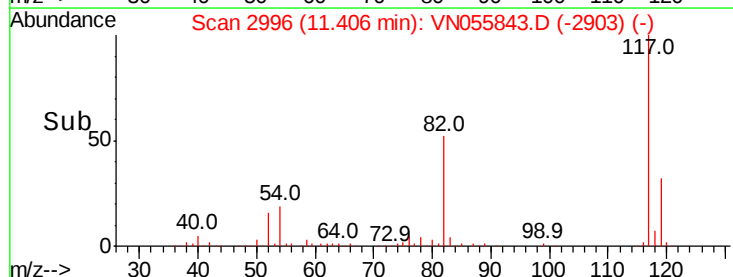
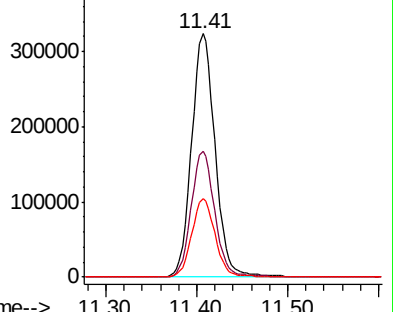
119 32.4 25.4 38.0

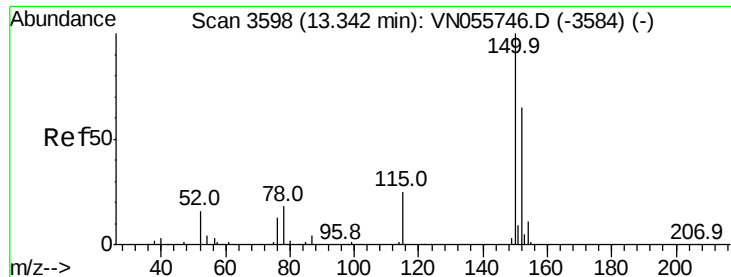


Abundance Ion 116.90 (116.60 to 117.60): VN055746.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055746.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055746.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055843.D

Acq: 28 May 2019 11:10

Instrument :

MSVOA\_N

ClientSampleId :

FB-20190523

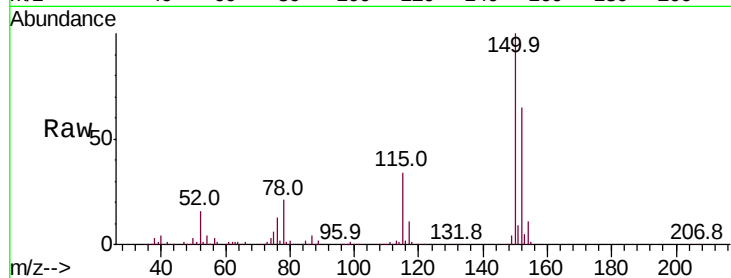
Tot Ion:152 Resp: 201876

Ion Ratio Lower Upper

152 100

115 52.4 27.0 81.0

150 155.3 0.0 343.2



Abundance Ion 151.90 (151.60 to 152.60): V

250000 Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

