

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
 Data File : VN060853.D  
 Acq On : 6 Apr 2020 15:57  
 Operator : JC/MD  
 Sample : L2129-39  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-6

Quant Time: Apr 07 08:14:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 18 08:49:09 2020  
 Response via : Initial Calibration

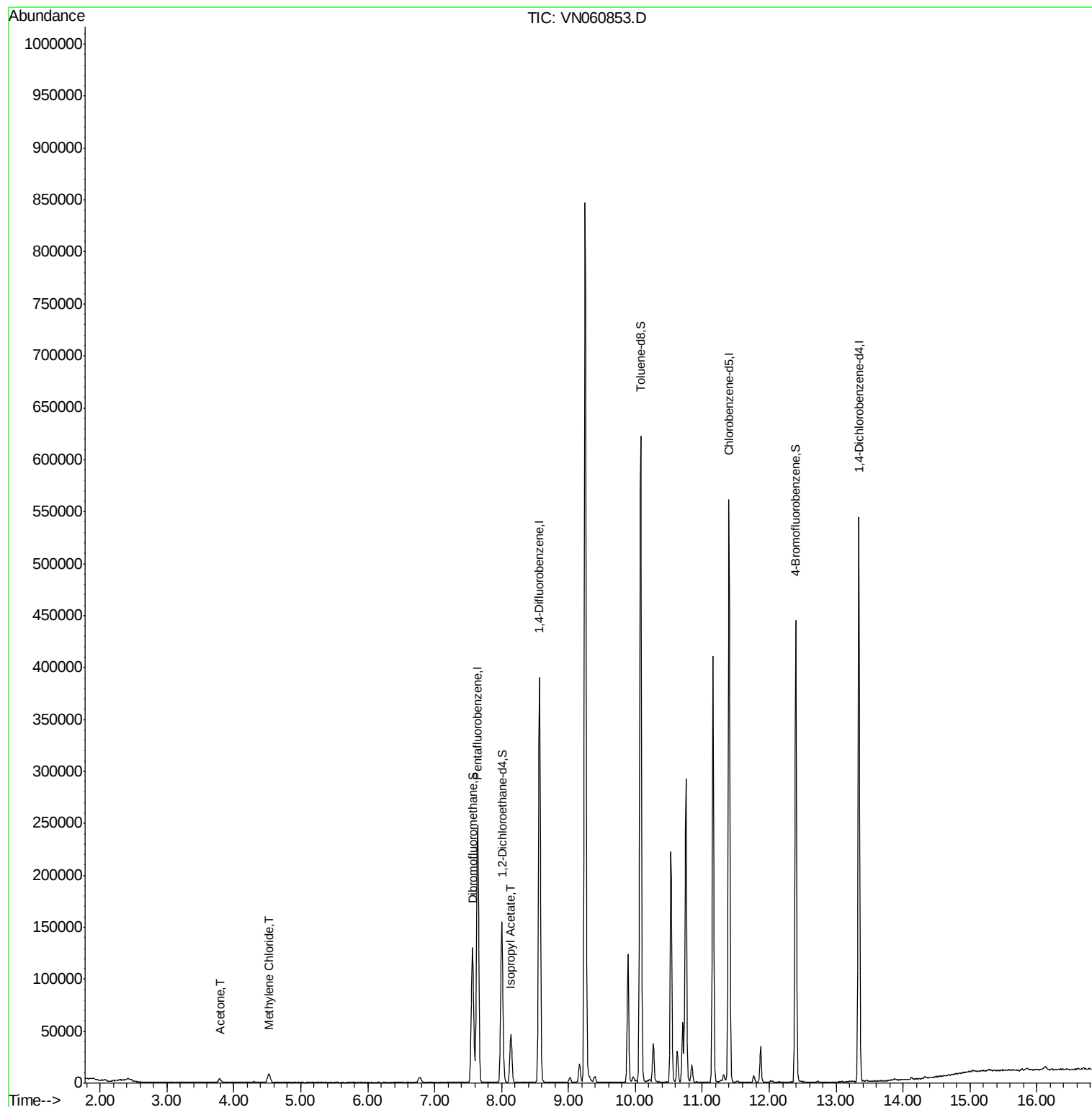
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 206770   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 344425   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 320914   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 141874   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 132448   | 46.66 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.32%  |          |
| 35) Dibromofluoromethane    | 7.57  | 113  | 101665   | 48.82 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.64%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 425714   | 50.04 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.08% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 156881   | 50.32 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.64% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.79  | 43   | 7029     | 6.991 | ug/l    | 94       |
| 20) Methylene Chloride      | 4.53  | 84   | 6641     | 2.685 | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 55999    | 9.423 | ug/l #  | 91       |

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N031820W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 18 08:49:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA\_N

ClientSampled :

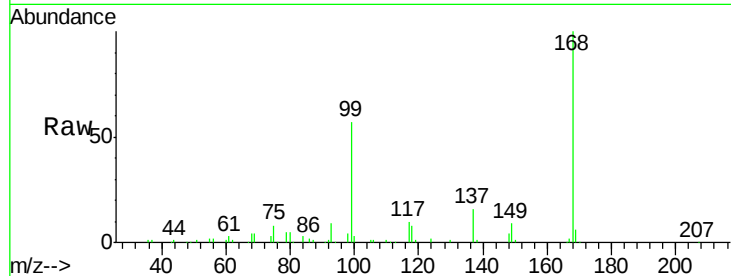
TP-6

Tot Ion:168 Resp: 206770

Ion Ratio Lower Upper

168 100

99 56.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

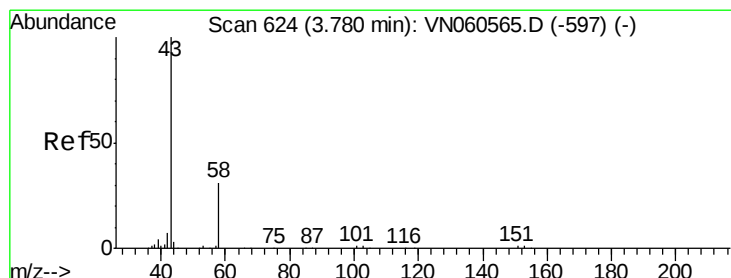
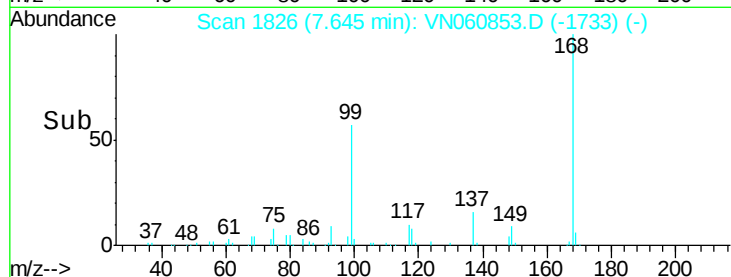
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.991 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060853.D

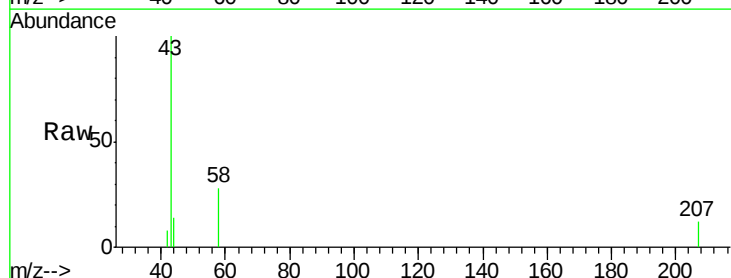
Acq: 6 Apr 2020 15:57

Tgt Ion: 43 Resp: 7029

Ion Ratio Lower Upper

43 100

58 27.9 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

3000

2500

2000

1500

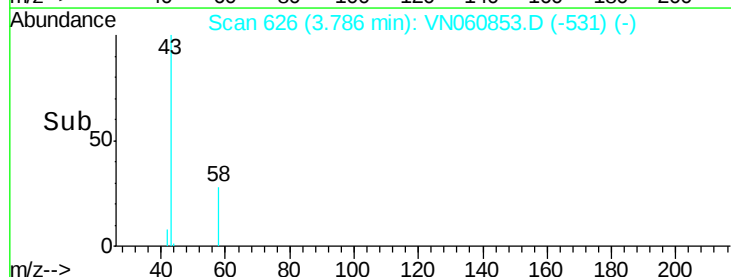
1000

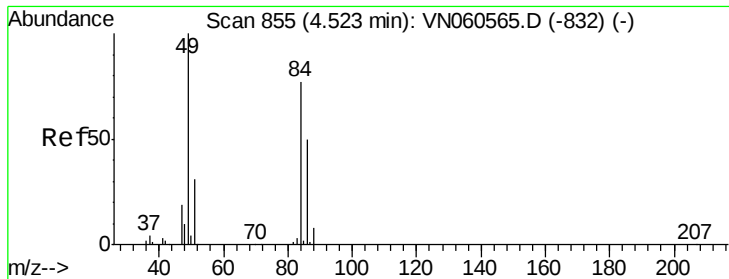
500

0

3.70 3.75 3.80 3.85

Time-->





#20

Methylene Chloride

Concen: 2.685 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA\_N

ClientSampled :

TP-6

Tot Ion: 84 Resp: 6641

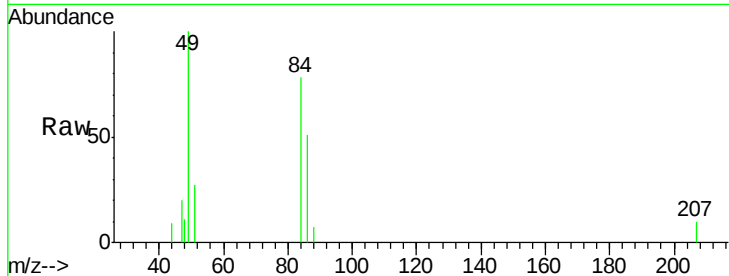
Ion Ratio Lower Upper

84 100

49 127.8 103.3 154.9

51 34.3 31.6 47.4

86 65.3 52.0 78.0

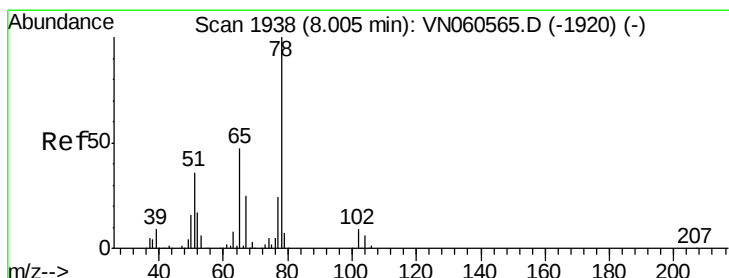
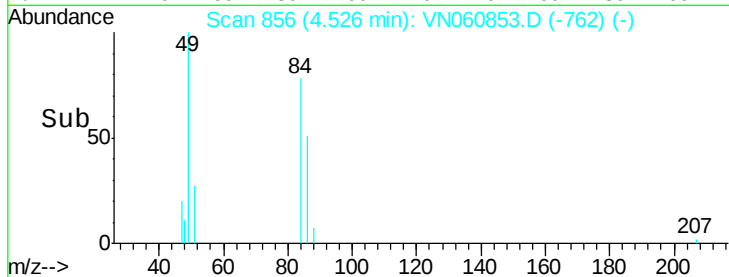
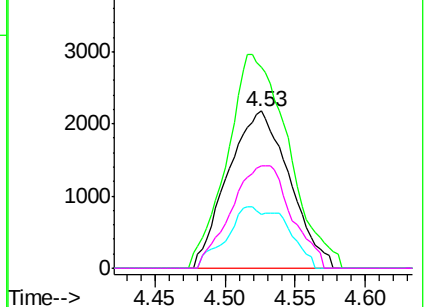


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 46.662 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060853.D

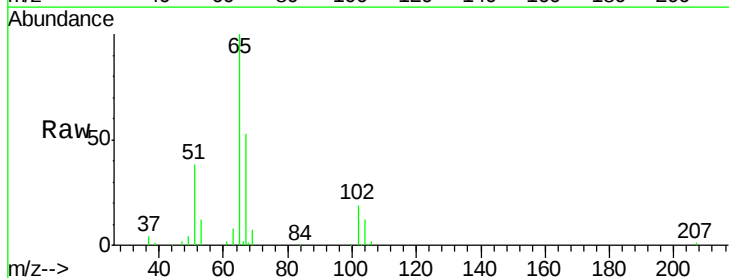
Acq: 6 Apr 2020 15:57

Tgt Ion: 65 Resp: 132448

Ion Ratio Lower Upper

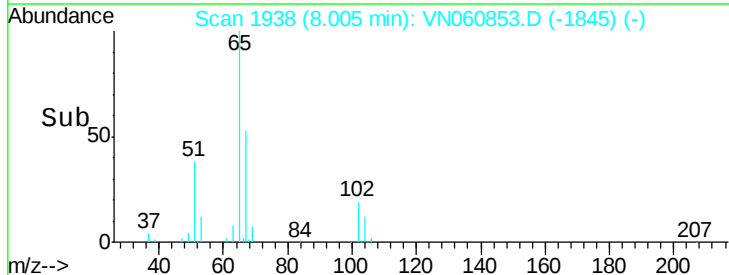
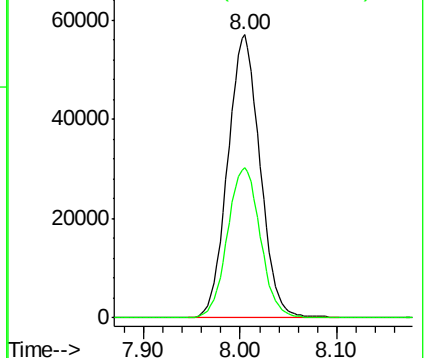
65 100

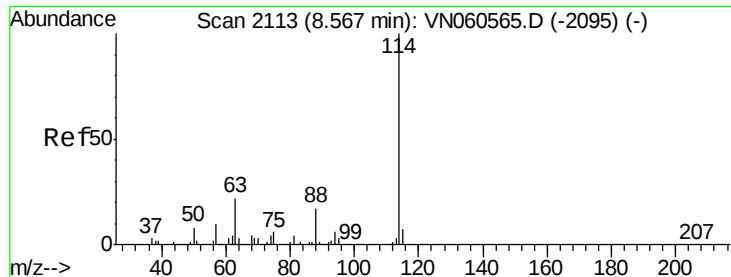
67 53.7 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

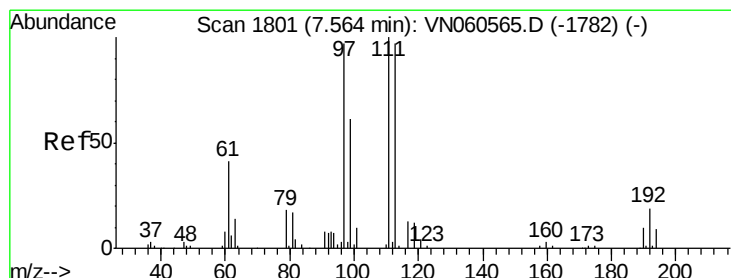
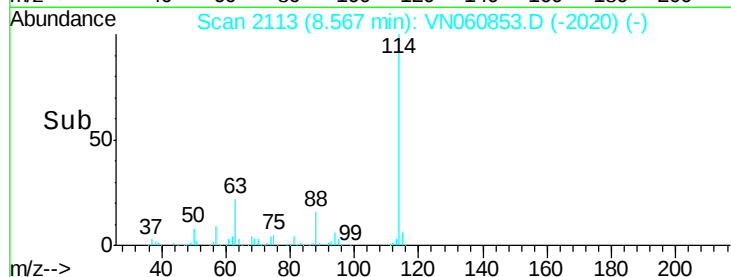
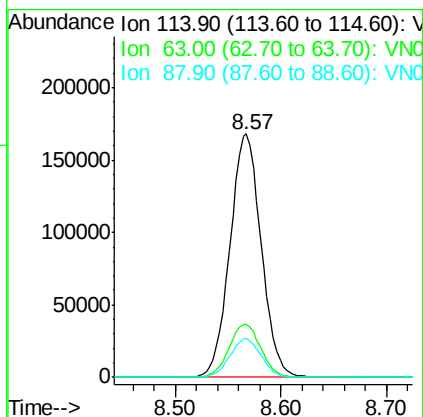
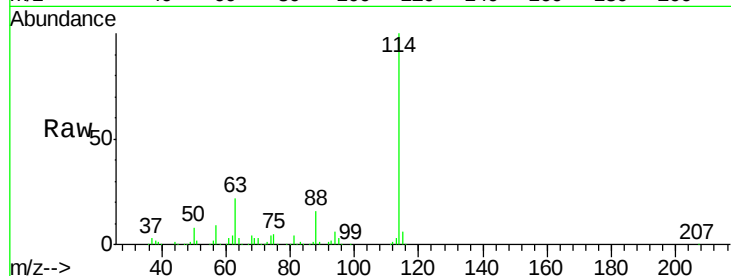




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060853.D  
 Acq: 6 Apr 2020 15:57

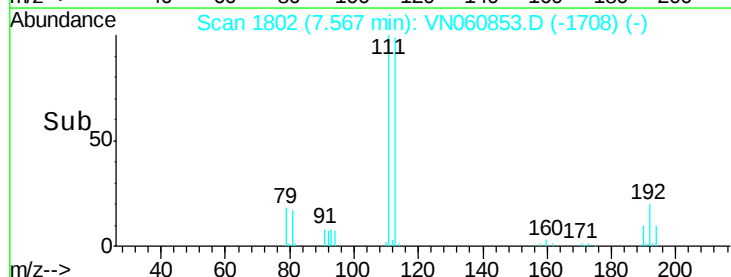
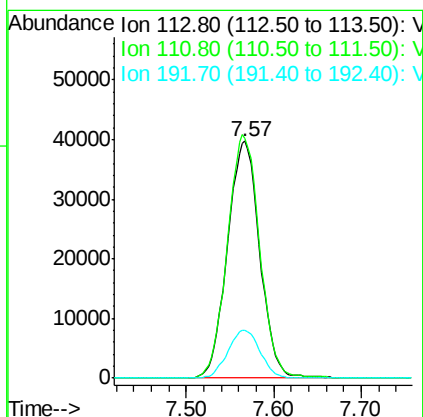
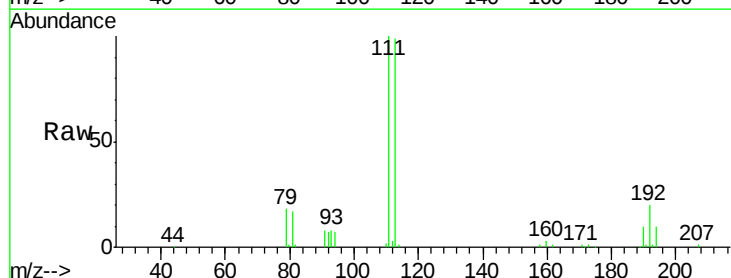
Instrument :  
 MSVOA\_N  
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 TP-6

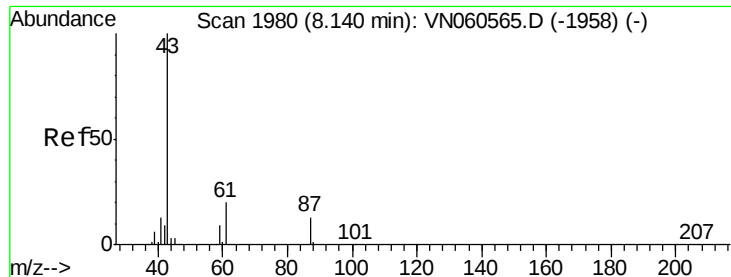
Tot Ion:114 Resp: 344425  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 43.8  
 88 16.0 0.0 33.0



#35  
 Dibromofluoromethane  
 Concen: 48.816 ug/l  
 RT: 7.57 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: VN060853.D  
 Acq: 6 Apr 2020 15:57

Tgt Ion:113 Resp: 101665  
 Ion Ratio Lower Upper  
 113 100  
 111 102.9 82.9 124.3  
 192 20.0 15.8 23.8





#43

Isopropyl Acetate

Concen: 9.423 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-6

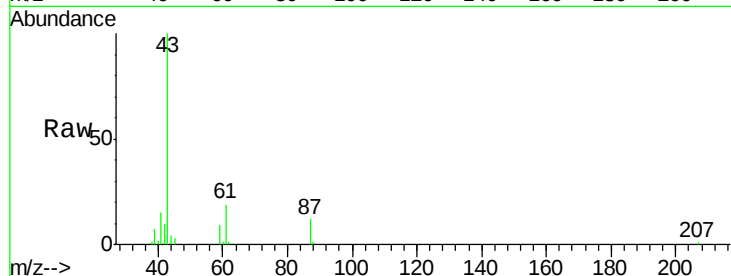
Tot Ion: 43 Resp: 55999

Ion Ratio Lower Upper

43 100

61 19.3 20.7 31.1#

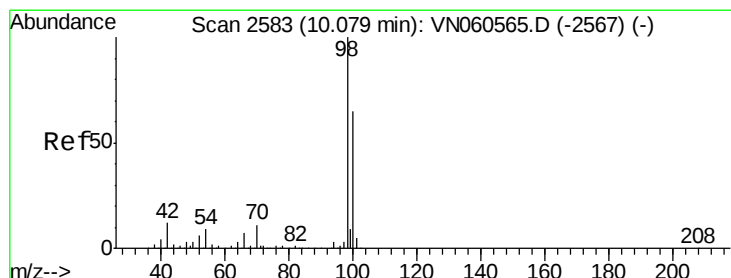
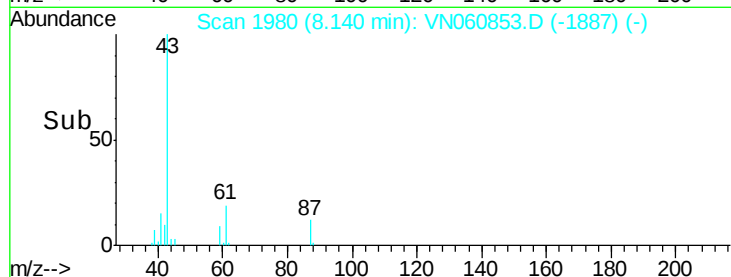
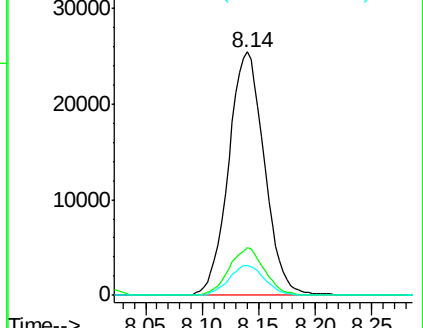
87 12.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060853.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060853.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060853.D (-1887) (-)



#50

Toluene-d8

Concen: 50.044 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060853.D

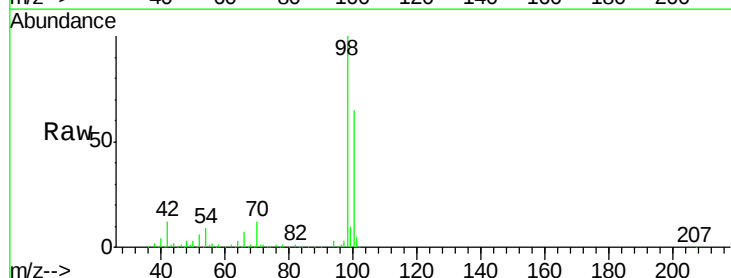
Acq: 6 Apr 2020 15:57

Tgt Ion: 98 Resp: 425714

Ion Ratio Lower Upper

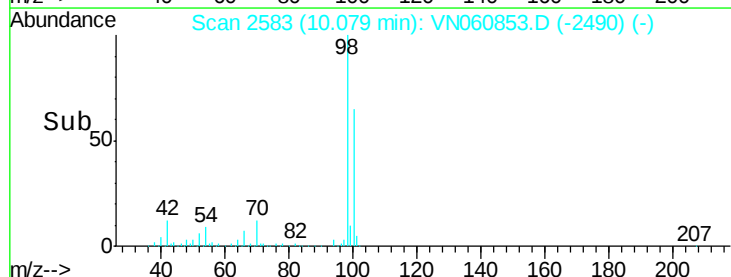
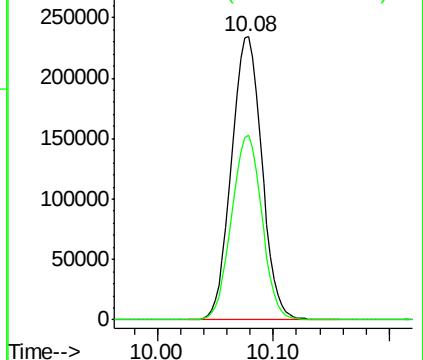
98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060853.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060853.D (-2490) (-)





#62

4-Bromofluorobenzene

Concen: 50.321 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-6

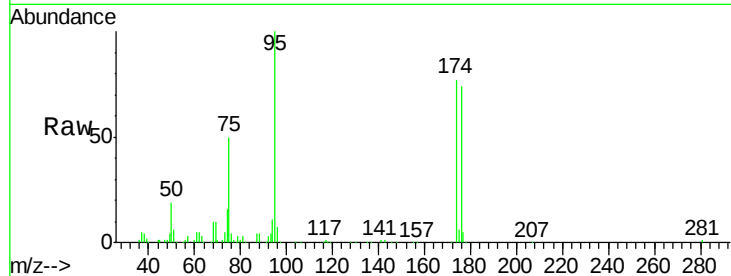
Tot Ion: 95 Resp: 156881

Ion Ratio Lower Upper

95 100

174 78.2 0.0 157.6

176 75.3 0.0 150.6



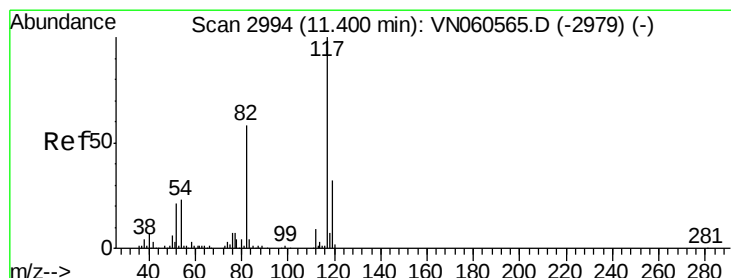
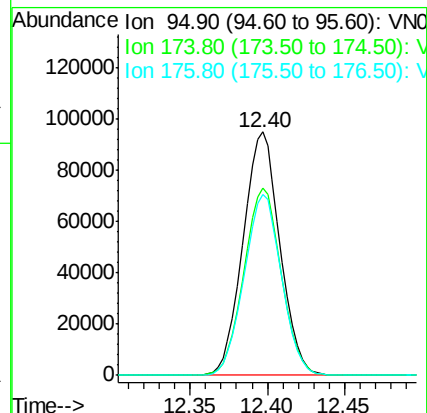
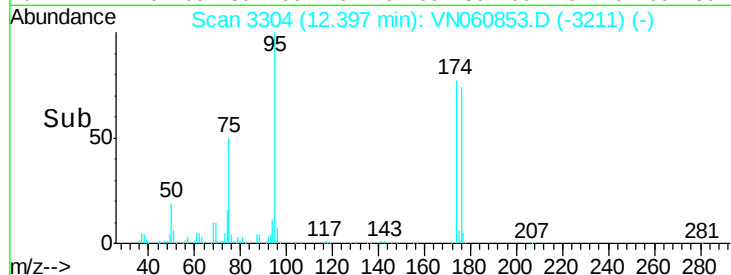
Abundance Ion 94.90 (94.60 to 95.60): VN060853.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060853.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060853.D (-3290) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

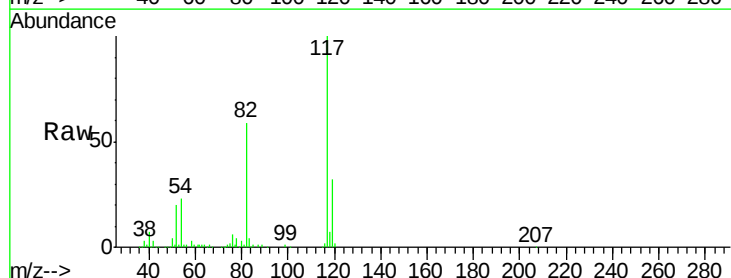
Tgt Ion: 117 Resp: 320914

Ion Ratio Lower Upper

117 100

82 58.5 46.7 70.1

119 32.0 25.5 38.3



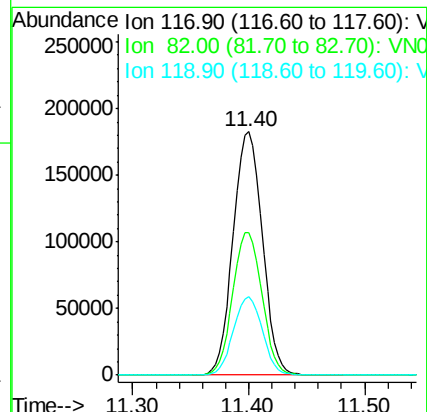
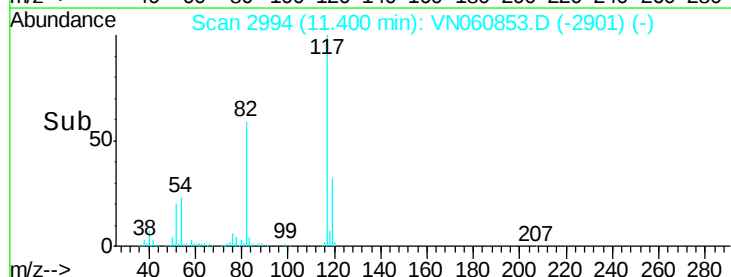
Abundance Ion 116.90 (116.60 to 117.60): VN060853.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060853.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060853.D (-2979) (-)

11.40

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060853.D

Acq: 6 Apr 2020 15:57

Instrument :

MSVOA\_N

ClientSampleId :

TP-6

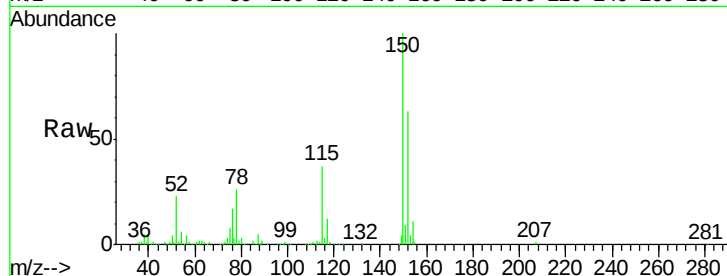
Tot Ion:152 Resp: 141874

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

150 157.6 0.0 350.2



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

