

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
 Data File : VN060862.D  
 Acq On : 6 Apr 2020 19:21  
 Operator : JC/MD  
 Sample : L2146-13  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-65-COMP

Quant Time: Apr 07 08:49:56 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

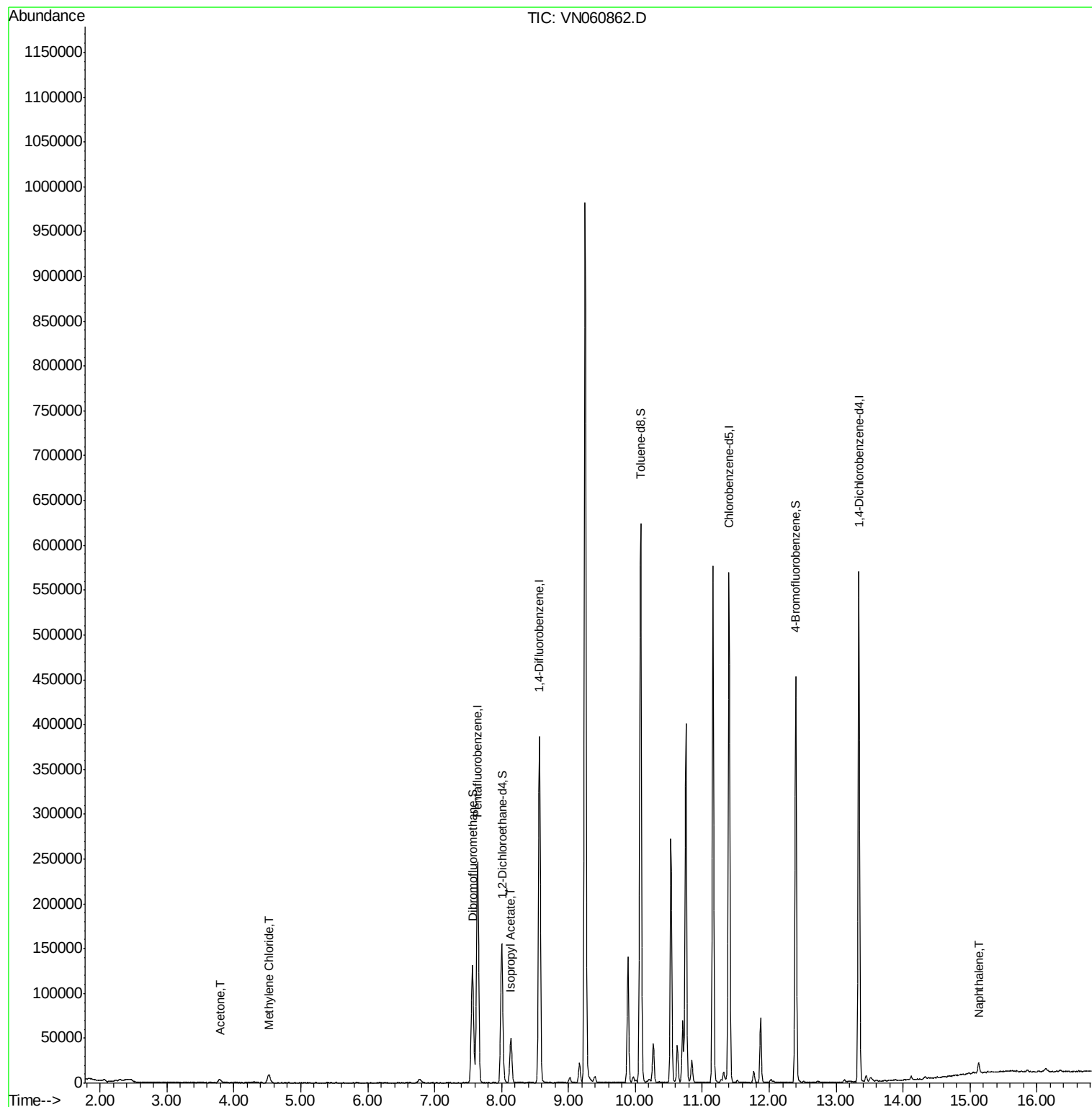
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 201887   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 341870   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 321678   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 146838   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 133036   | 48.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.00%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 100592   | 48.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.32%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 423587   | 50.17  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.34% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 159345   | 51.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.98% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 7468     | 7.607  | ug/l    | 95       |
| 20) Methylene Chloride      | 4.52  | 84   | 6991     | 2.895  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 60425    | 10.243 | ug/l #  | 91       |
| 95) Naphthalene             | 15.13 | 128  | 10341    | 1.250  | ug/l    | 97       |

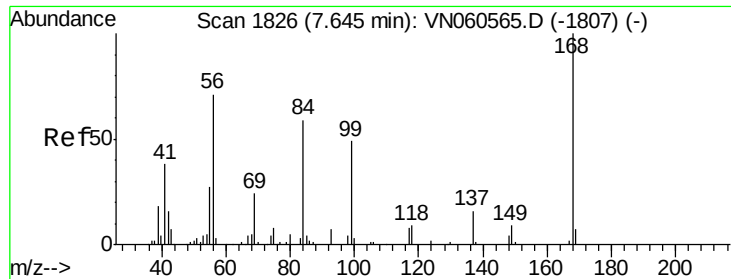
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
Data File : VN060862.D  
Acq On : 6 Apr 2020 19:21  
Operator : JC/MD  
Sample : L2146-13  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-65-COMP

Quant Time: Apr 07 08:49:56 2020  
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# 1825

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA\_N

ClientSampleId :

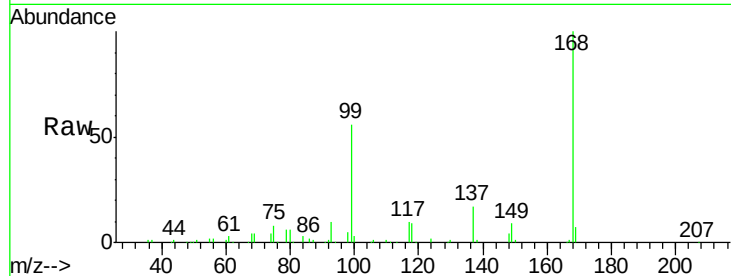
TP-65-COMP

Tot Ion:168 Resp: 201887

Ion Ratio Lower Upper

168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

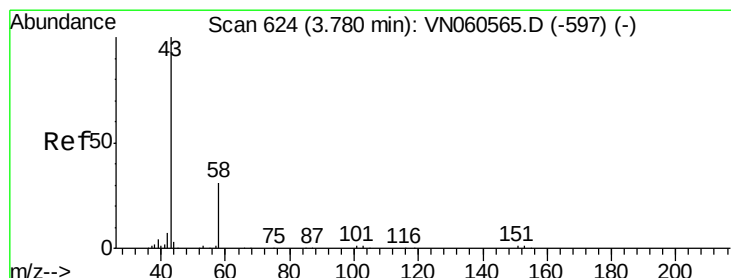
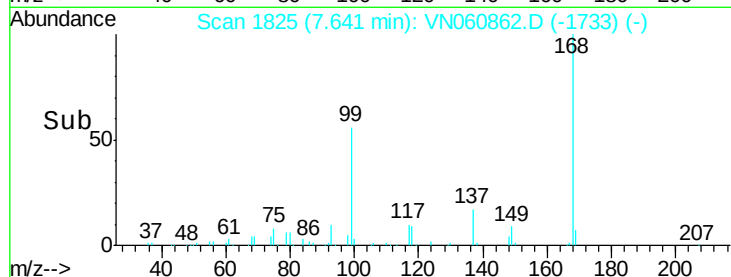
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.607 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060862.D

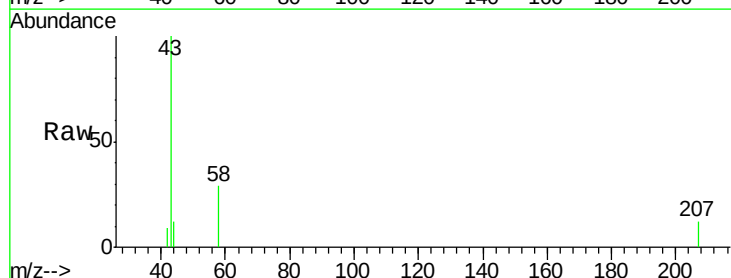
Acq: 6 Apr 2020 19:21

Tgt Ion: 43 Resp: 7468

Ion Ratio Lower Upper

43 100

58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

3000

2500

2000

1500

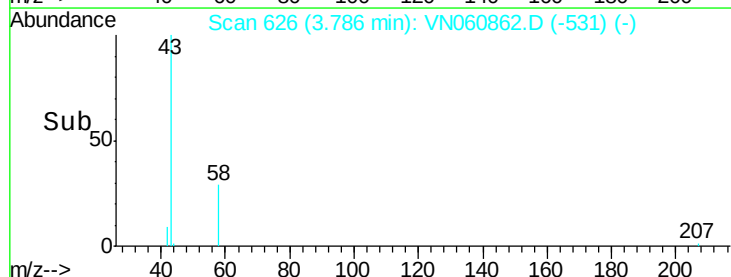
1000

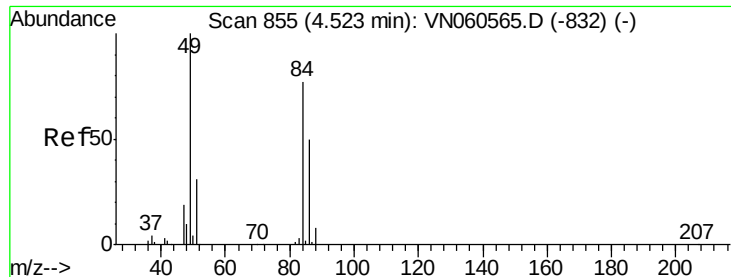
500

0

3.70 3.75 3.80 3.85

Time-->

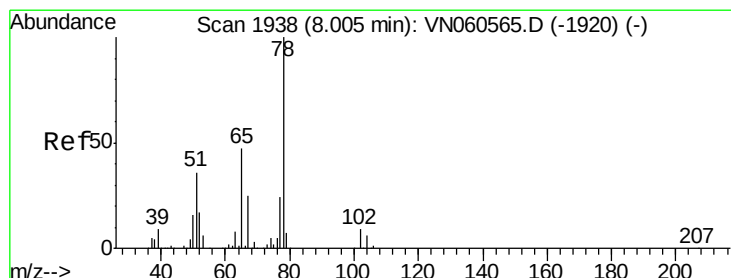
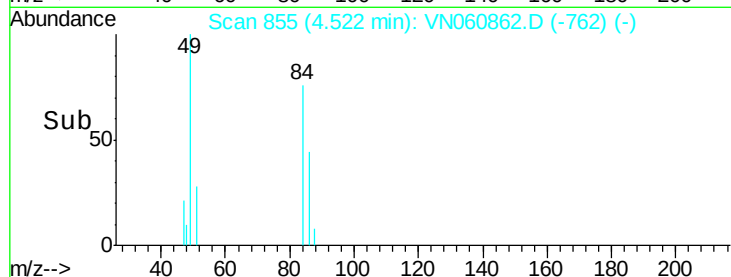
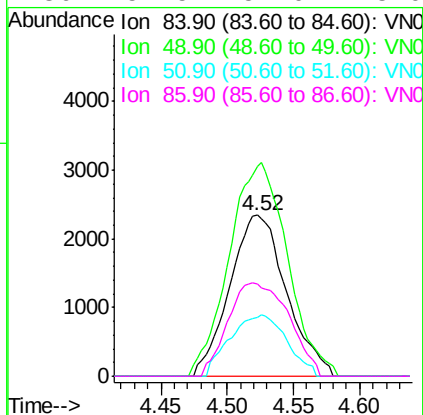
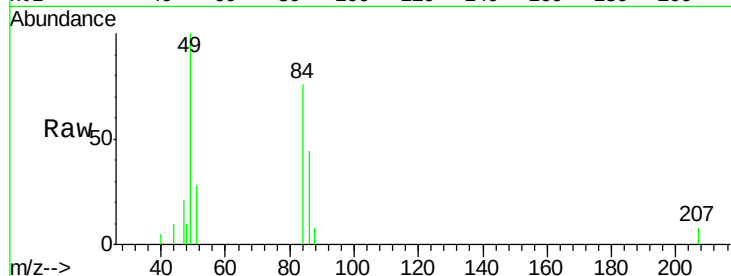




#20  
Methylene Chloride  
Concen: 2.895 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060862.D  
Acq: 6 Apr 2020 19:21

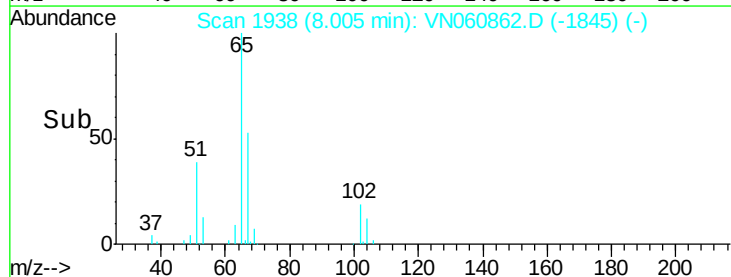
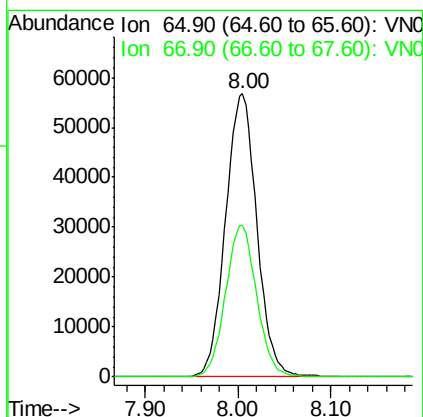
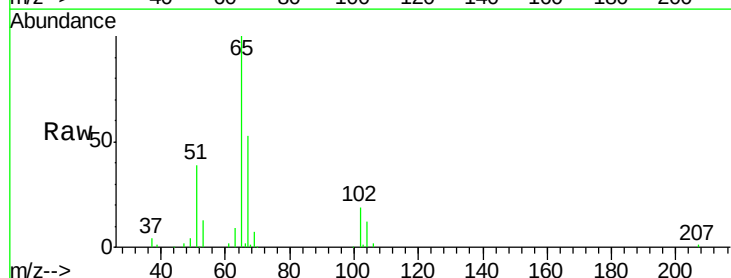
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-65-COMP

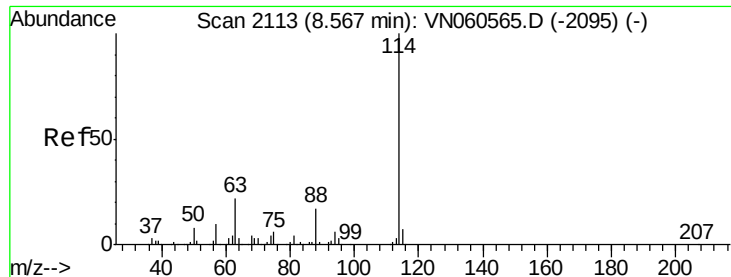
Tot Ion: 84 Resp: 6991  
Ion Ratio Lower Upper  
84 100  
49 130.9 103.3 154.9  
51 36.9 31.6 47.4  
86 57.5 52.0 78.0



#33  
1,2-Dichloroethane-d4  
Concen: 48.002 ug/l  
RT: 8.00 min Scan# 1938  
Delta R.T. -0.00 min  
Lab File: VN060862.D  
Acq: 6 Apr 2020 19:21

Tgt Ion: 65 Resp: 133036  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA\_N

ClientSampleId :

TP-65-COMP

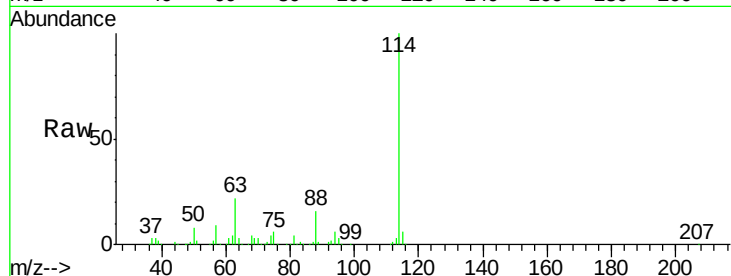
Tot Ion:114 Resp: 341870

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

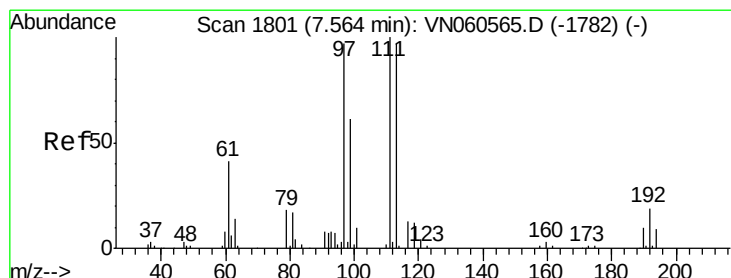
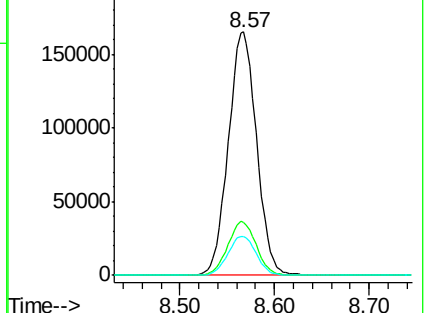
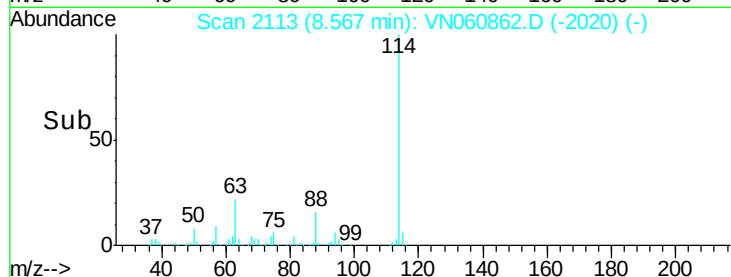
88 16.0 0.0 33.0



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: 48.661 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

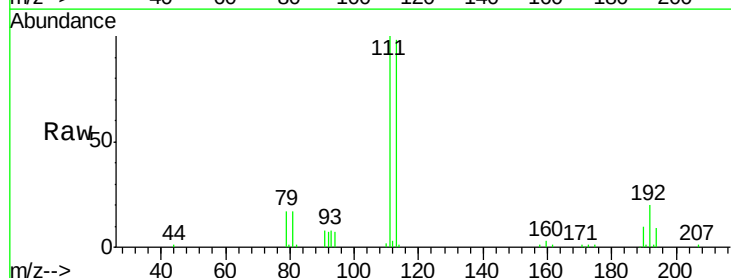
Tgt Ion:113 Resp: 100592

Ion Ratio Lower Upper

113 100

111 102.5 82.9 124.3

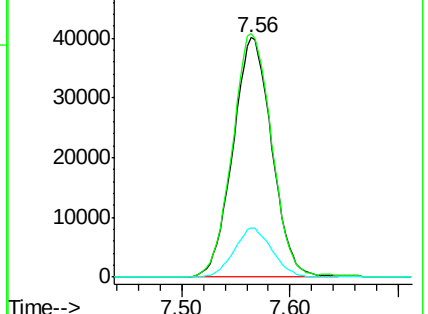
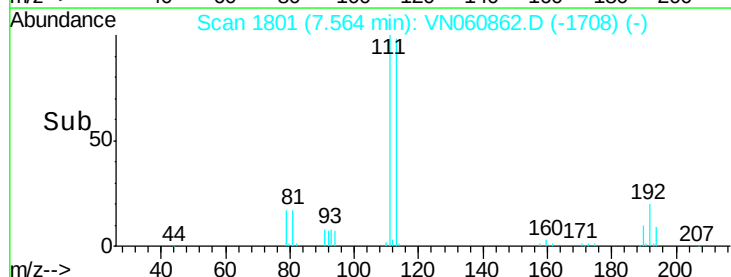
192 20.0 15.8 23.8

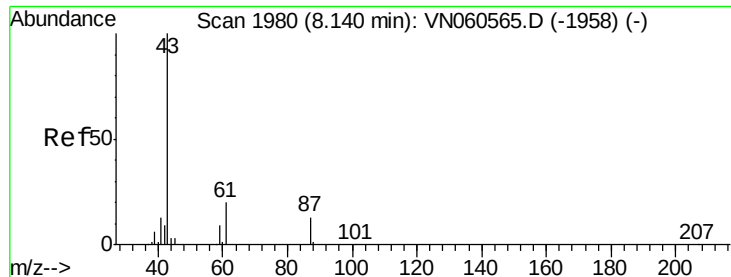


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 10.243 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA\_N

ClientSampleId :

TP-65-COMP

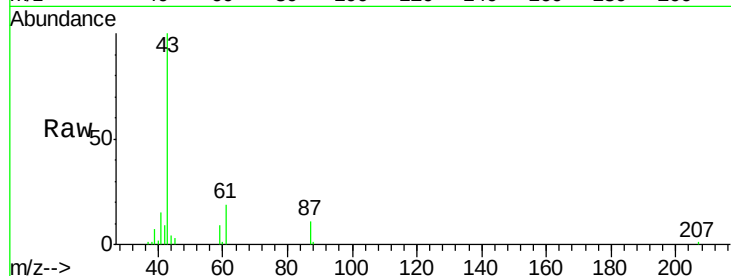
Tot Ion: 43 Resp: 60425

Ion Ratio Lower Upper

43 100

61 19.0 20.7 31.1#

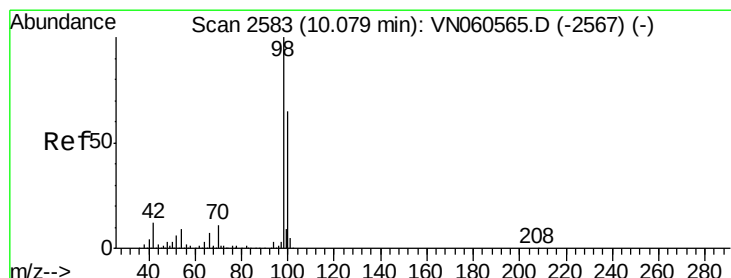
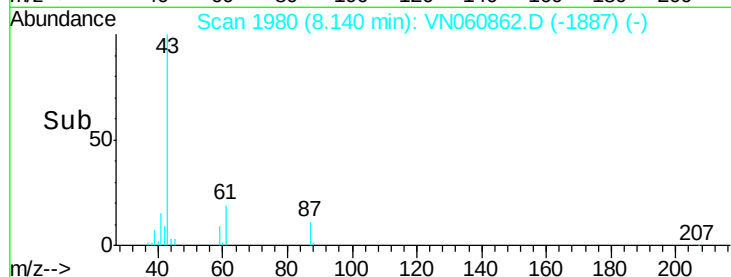
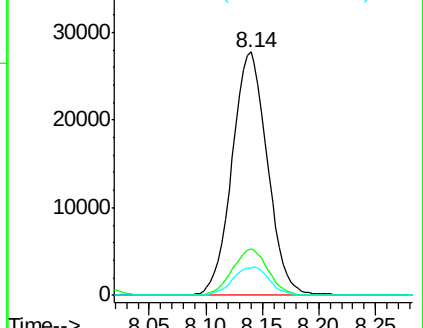
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060862.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060862.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060862.D (-1887) (-)



#50

Toluene-d8

Concen: 50.167 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060862.D

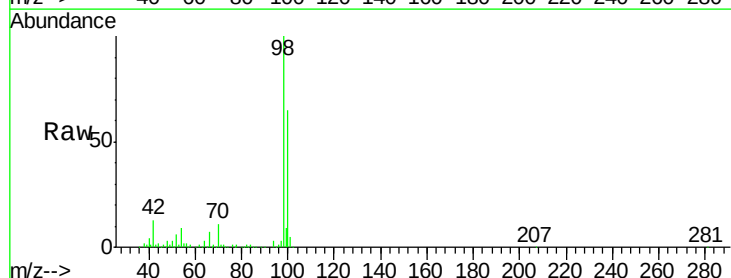
Acq: 6 Apr 2020 19:21

Tgt Ion: 98 Resp: 423587

Ion Ratio Lower Upper

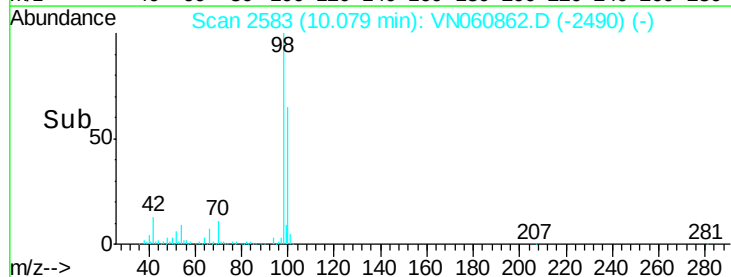
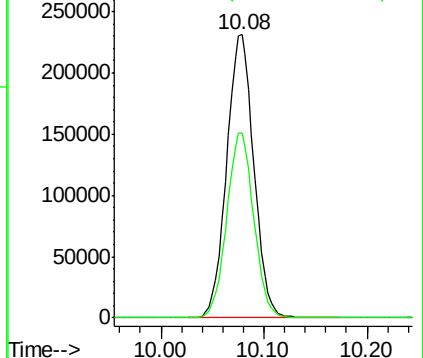
98 100

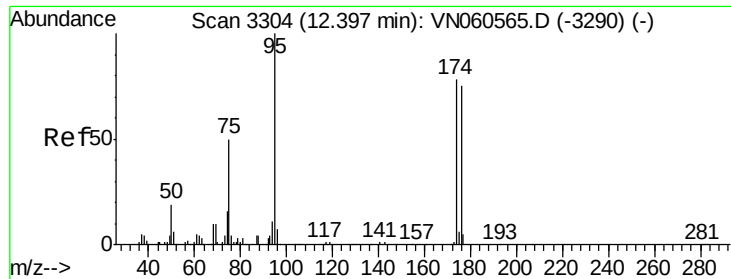
100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060862.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060862.D (-2490) (-)





#62

4-Bromofluorobenzene

Concen: 51.493 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA\_N

ClientSampleId :

TP-65-COMP

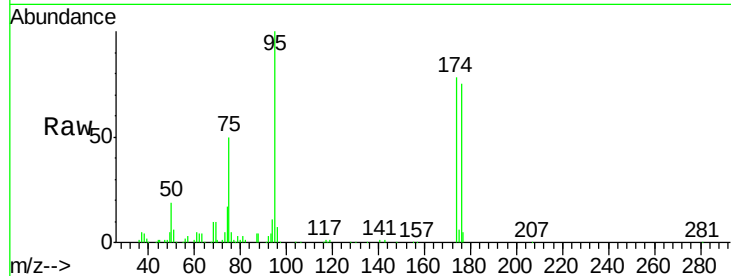
Tot Ion: 95 Resp: 159345

Ion Ratio Lower Upper

95 100

174 78.4 0.0 157.6

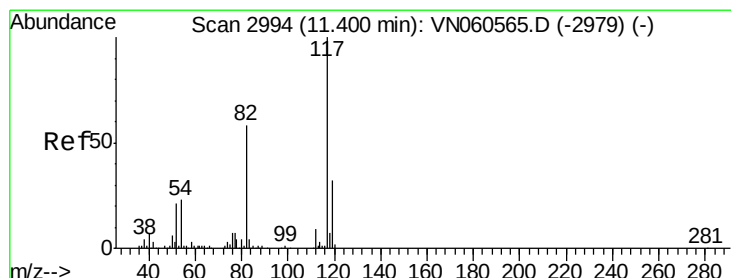
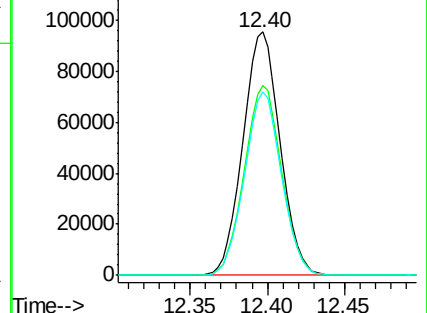
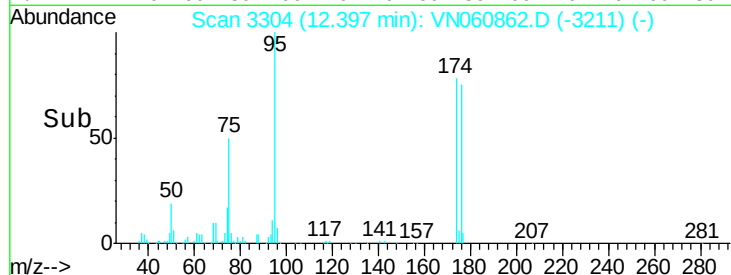
176 75.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060862.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060862.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060862.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

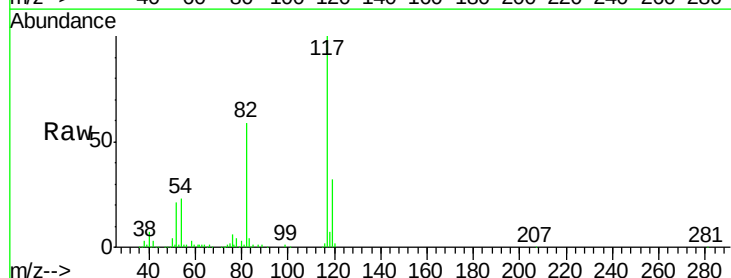
Tgt Ion: 117 Resp: 321678

Ion Ratio Lower Upper

117 100

82 58.6 46.7 70.1

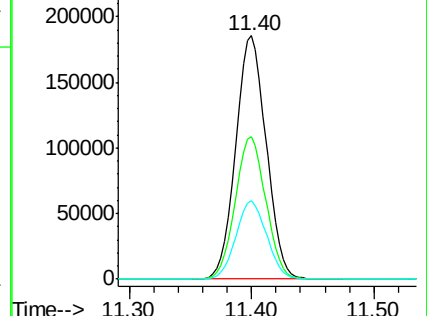
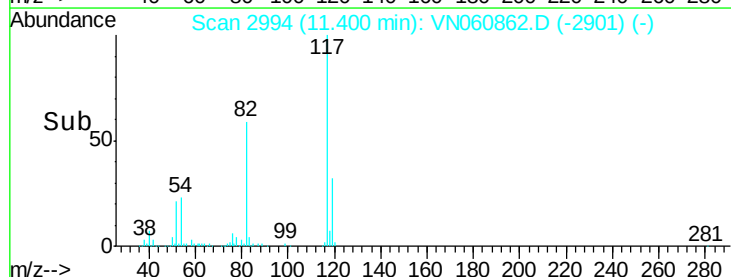
119 32.0 25.5 38.3

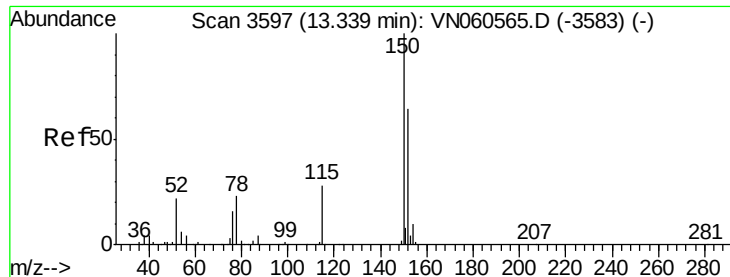


Abundance Ion 116.90 (116.60 to 117.60): VN060862.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060862.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060862.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

Instrument :

MSVOA\_N

ClientSampleId :

TP-65-COMP

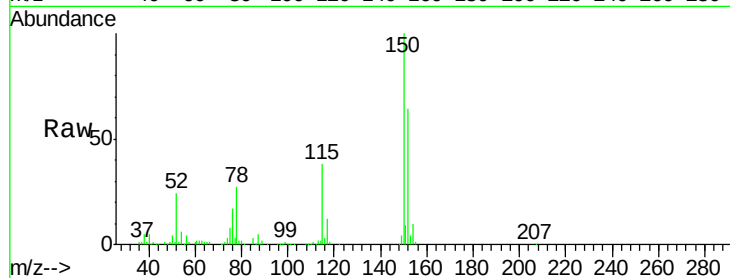
Tot Ion:152 Resp: 146838

Ion Ratio Lower Upper

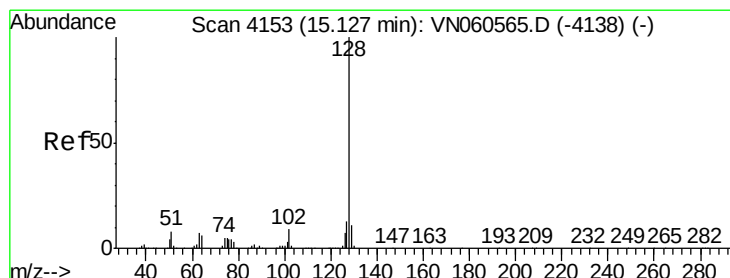
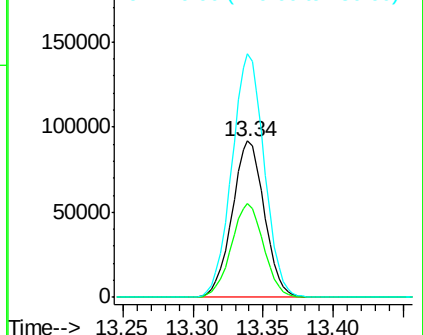
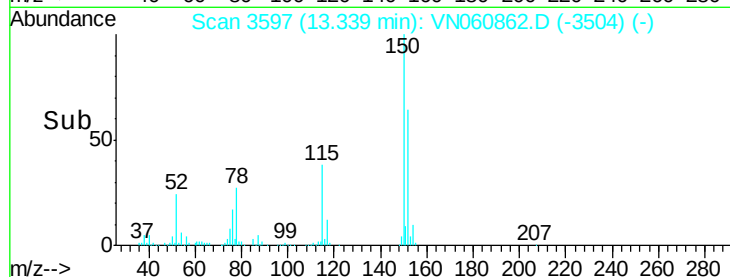
152 100

115 60.2 30.2 90.6

150 156.9 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



#95

Naphthalene

Concen: 1.250 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060862.D

Acq: 6 Apr 2020 19:21

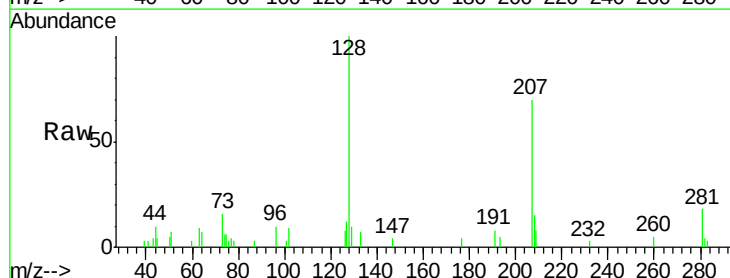
Tgt Ion:128 Resp: 10341

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.2

129 9.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

