

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032620\  
 Data File : VN060723.D  
 Acq On : 26 Mar 2020 18:52  
 Operator : JC/MD  
 Sample : PB127792ZHE#05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127792ZHE#05

Quant Time: Mar 27 07:29:35 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

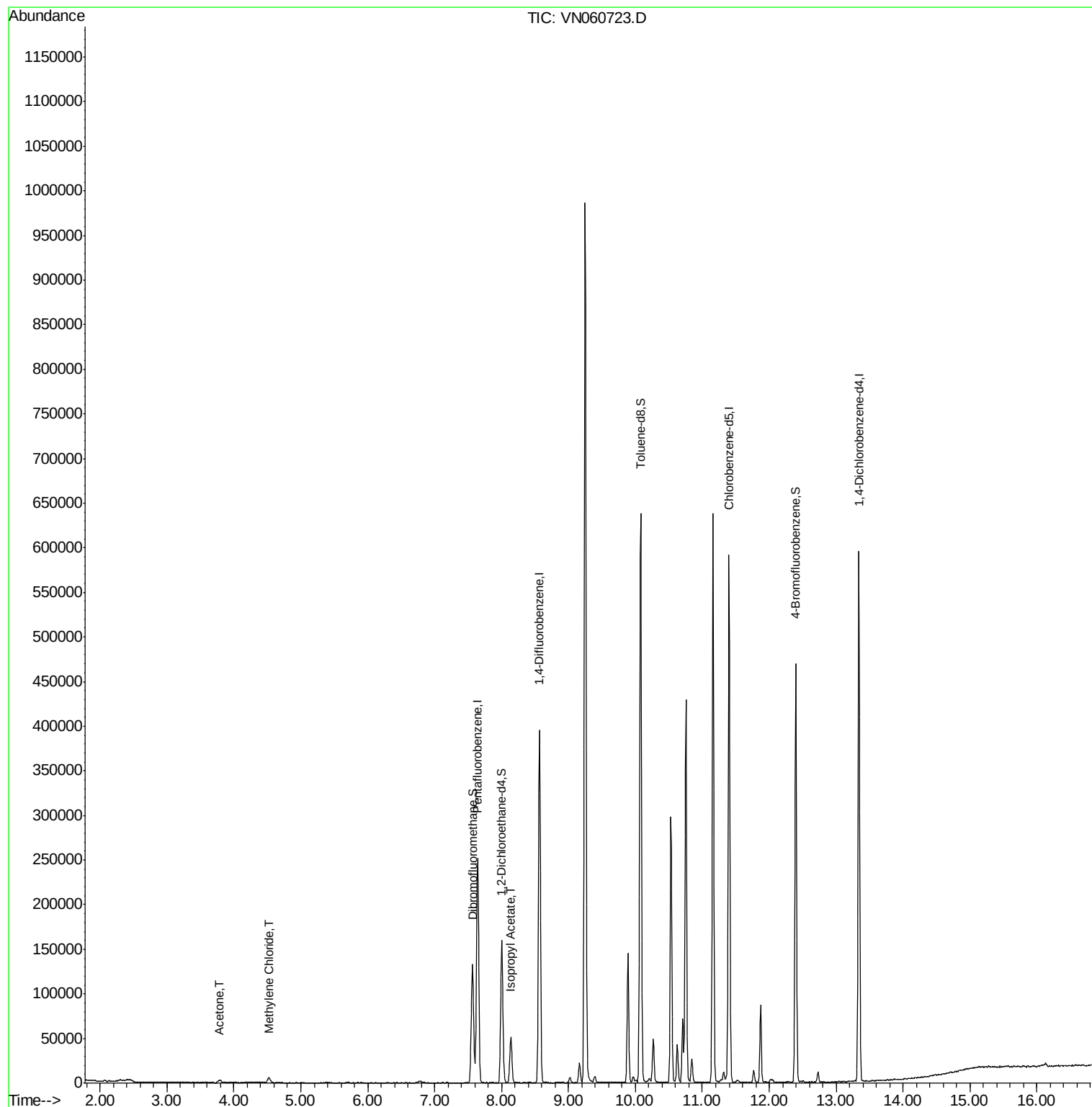
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 207969   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 349063   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 329887   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 154343   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 135905   | 47.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.20%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 103981   | 49.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.52%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 431864   | 50.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.18% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 164435   | 52.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.08% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.79  | 43   | 6260     | 6.190  | ug/l #  | 86       |
| 20) Methylene Chloride      | 4.52  | 84   | 4305     | 1.731  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 60552    | 10.053 | ug/l #  | 92       |

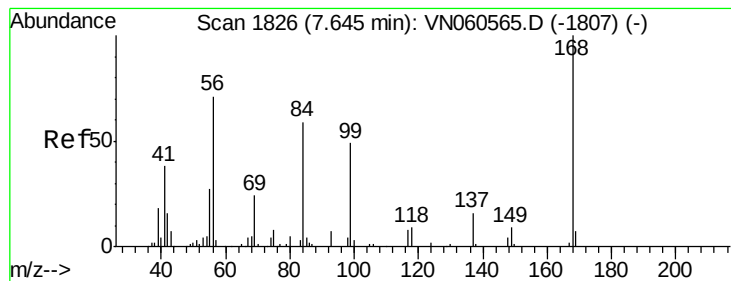
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN032620\  
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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: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA\_N

ClientSampleId :

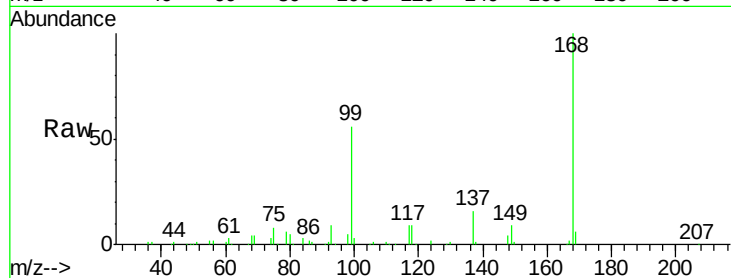
PB127792ZHE#05

Tot Ion:168 Resp: 207969

Ion Ratio Lower Upper

168 100

99 56.2 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

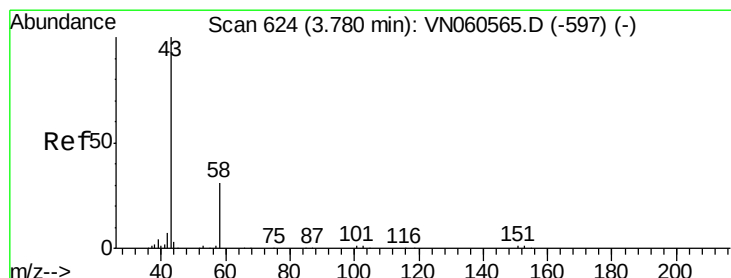
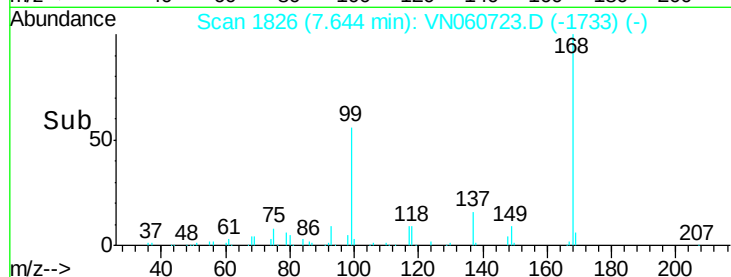
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.190 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060723.D

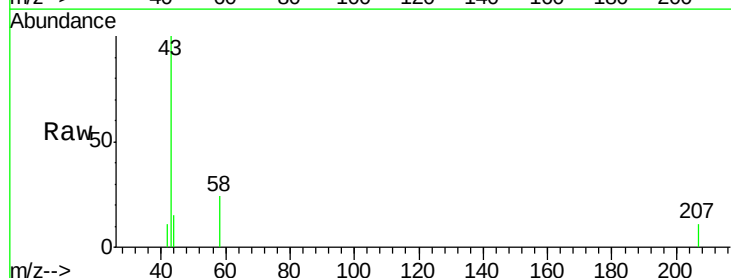
Acq: 26 Mar 2020 18:52

Tgt Ion: 43 Resp: 6260

Ion Ratio Lower Upper

43 100

58 23.9 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

2500

2000

1500

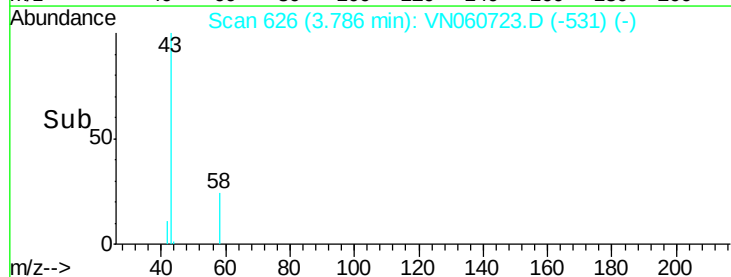
1000

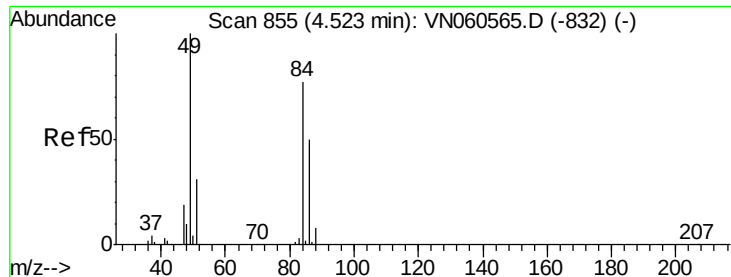
500

0

3.70 3.75 3.80 3.85 3.90

Time-->

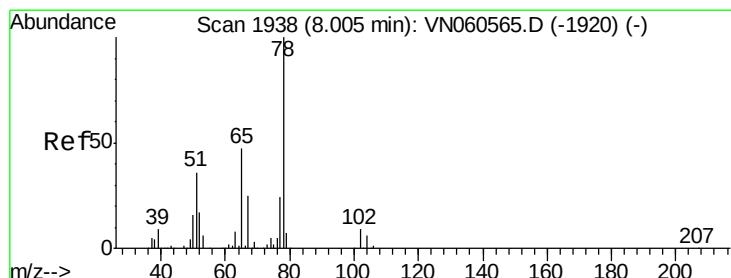
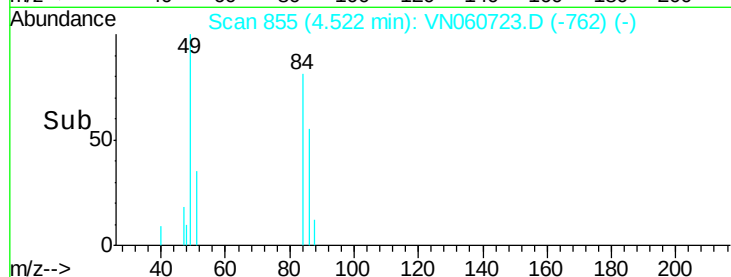
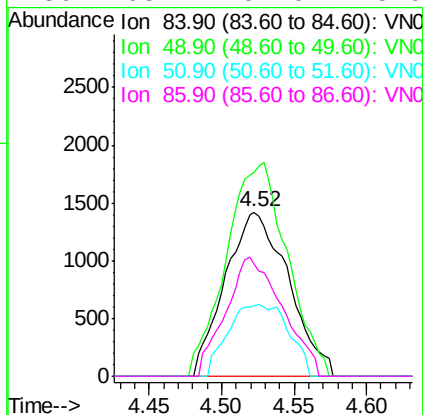
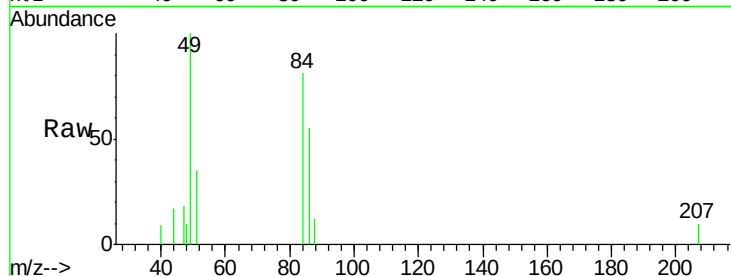




#20  
Methylene Chloride  
Concen: 1.731 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060723.D  
Acq: 26 Mar 2020 18:52

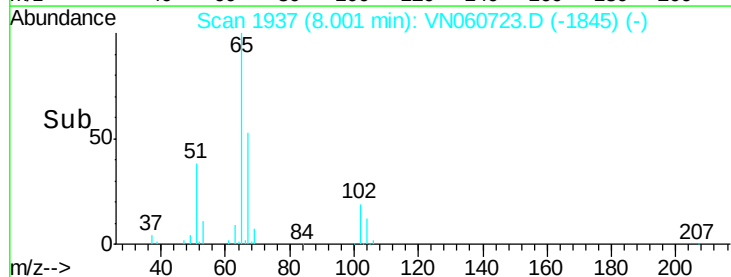
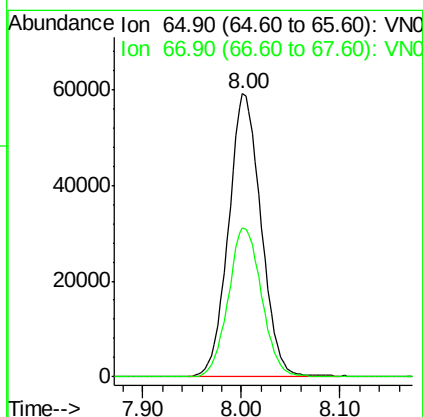
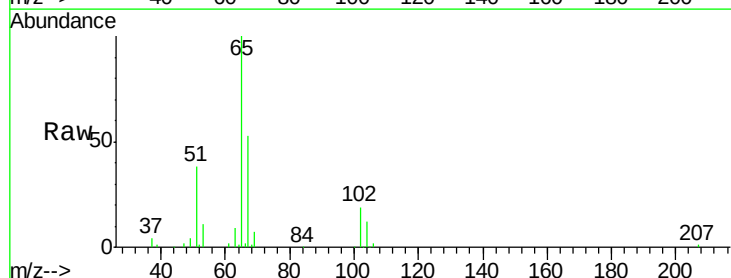
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB127792ZHE#05

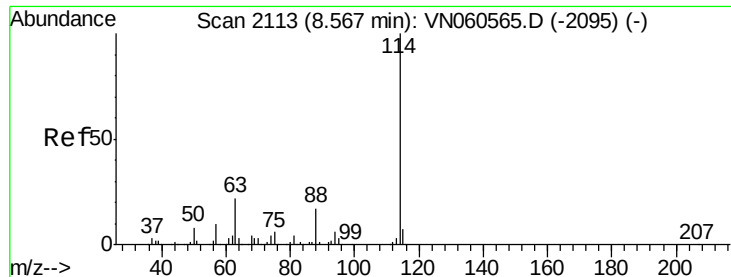
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 4305  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 123.9 | 103.3 | 154.9 |
| 51       | 42.8  | 31.6  | 47.4  |
| 86       | 68.4  | 52.0  | 78.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 47.603 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060723.D  
Acq: 26 Mar 2020 18:52

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 135905 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.8  | 0.0   | 107.6  |

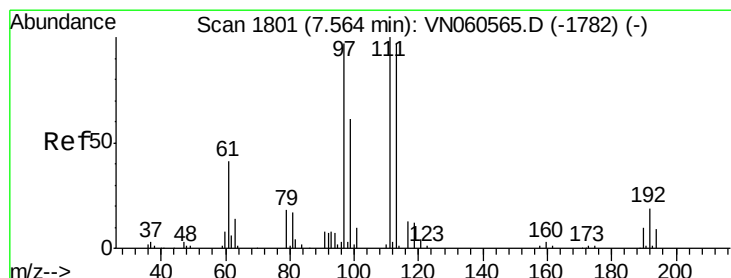
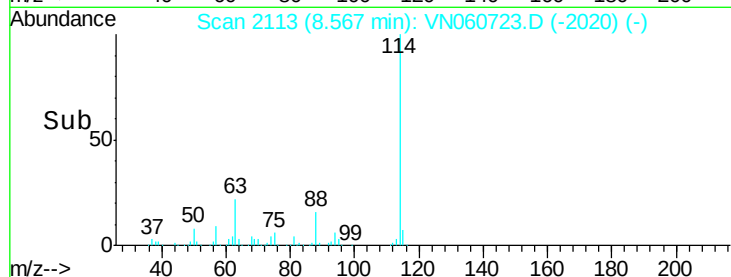
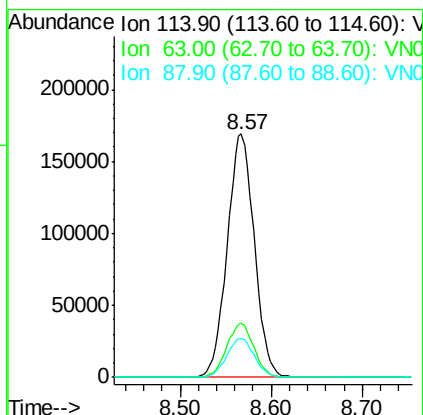
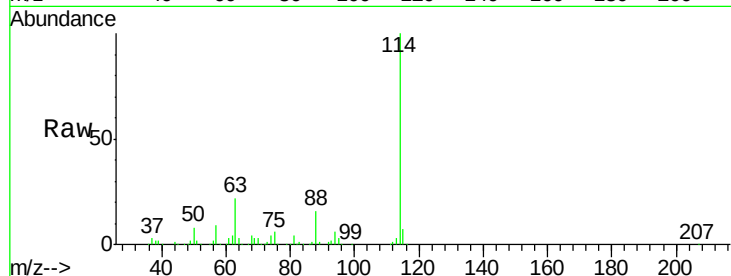




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2113  
 Delta R.T. -0.00 min  
 Lab File: VN060723.D  
 Acq: 26 Mar 2020 18:52

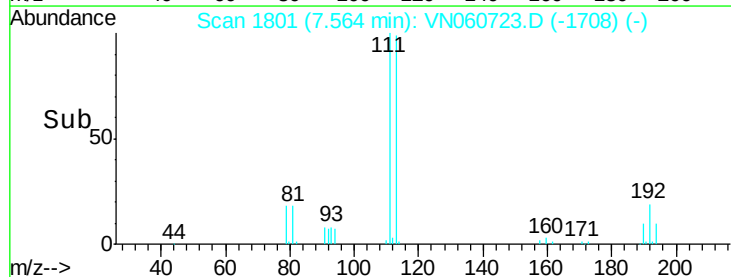
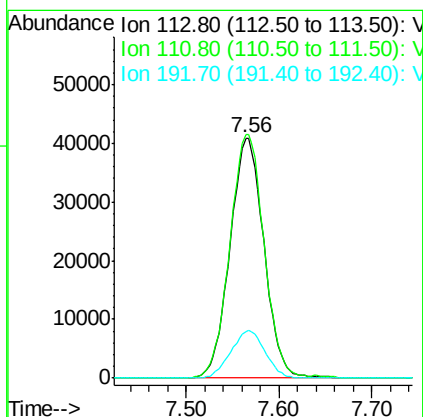
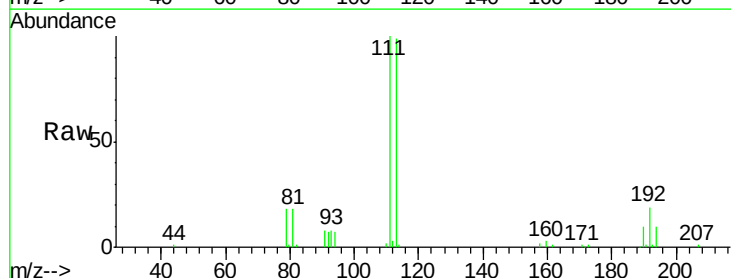
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB127792ZHE#05

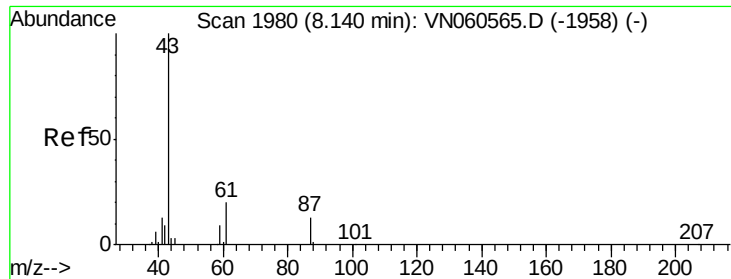
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 22.0  | 0.0   | 43.8  |
| 88      | 16.1  | 0.0   | 33.0  |



#35  
 Dibromofluoromethane  
 Concen: 49.264 ug/l  
 RT: 7.56 min Scan# 1801  
 Delta R.T. -0.00 min  
 Lab File: VN060723.D  
 Acq: 26 Mar 2020 18:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.8 | 82.9  | 124.3 |
| 192     | 19.9  | 15.8  | 23.8  |





#43

Isopropyl Acetate

Concen: 10.053 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA\_N

ClientSampleId :

PB127792ZHE#05

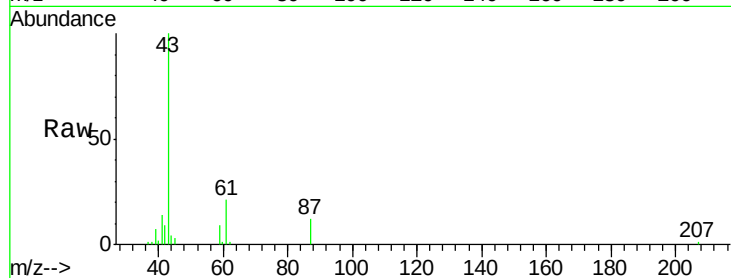
Tot Ion: 43 Resp: 60552

Ion Ratio Lower Upper

43 100

61 20.0 20.7 31.1#

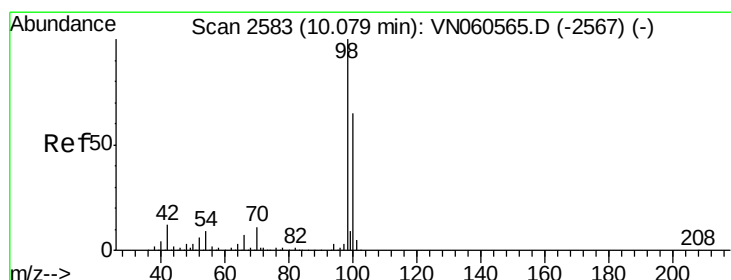
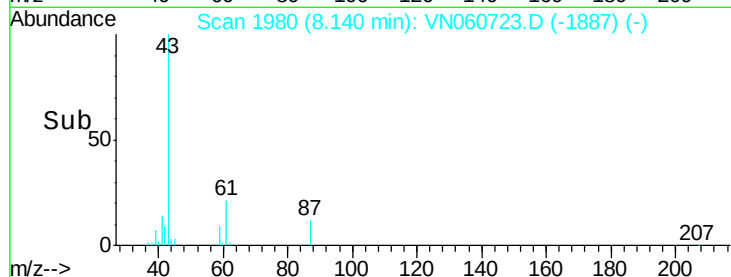
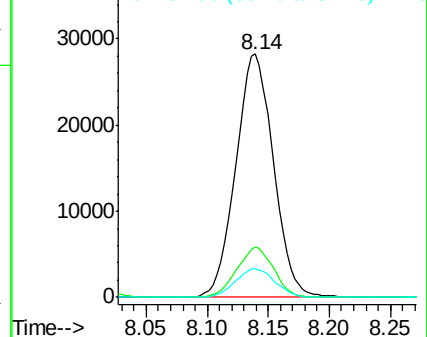
87 12.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060723.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060723.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060723.D (-1887) (-)



#50

Toluene-d8

Concen: 50.093 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060723.D

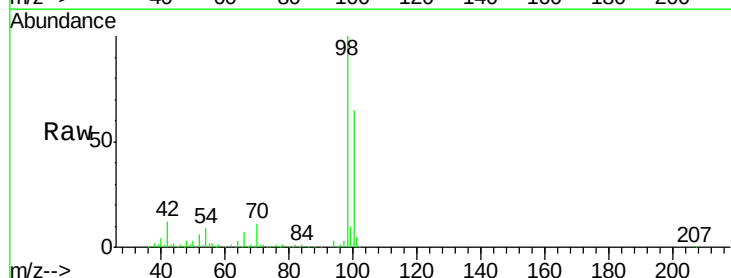
Acq: 26 Mar 2020 18:52

Tgt Ion: 98 Resp: 431864

Ion Ratio Lower Upper

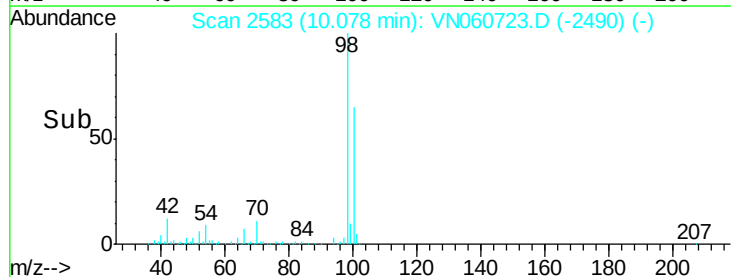
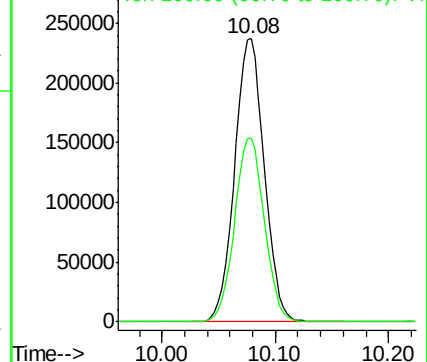
98 100

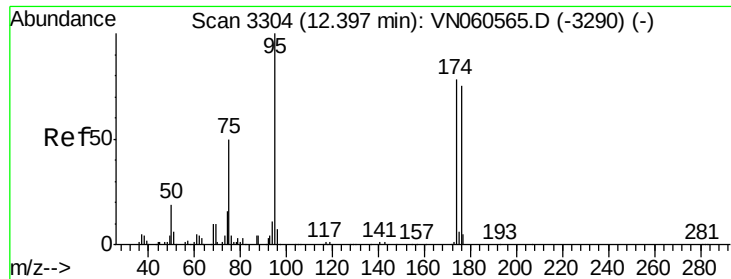
100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060723.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060723.D (-2490) (-)





#62

4-Bromofluorobenzene

Concen: 52.043 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA\_N

ClientSampleId :

PB127792ZHE#05

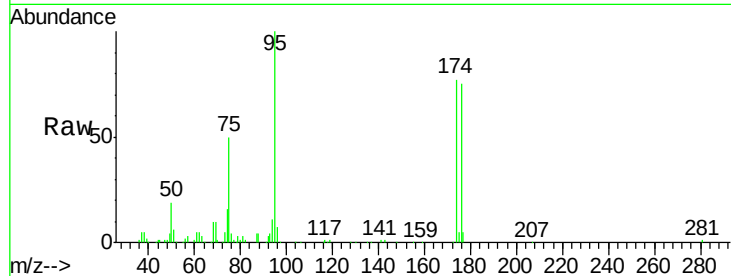
Tot Ion: 95 Resp: 164435

Ion Ratio Lower Upper

95 100

174 77.6 0.0 157.6

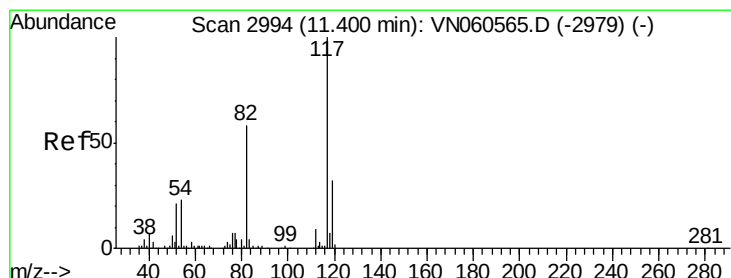
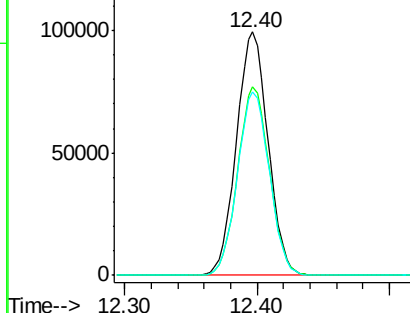
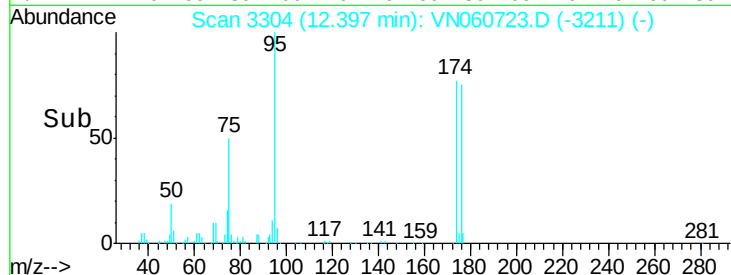
176 76.0 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060723.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060723.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060723.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060723.D

Acq: 26 Mar 2020 18:52

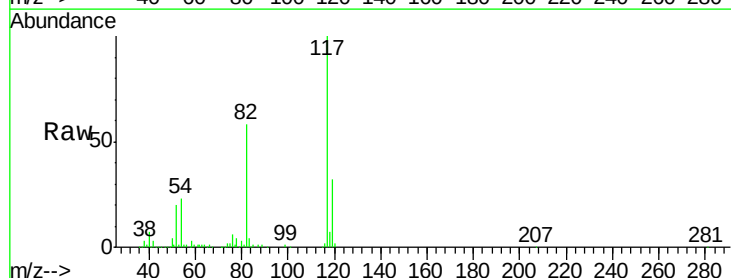
Tgt Ion: 117 Resp: 329887

Ion Ratio Lower Upper

117 100

82 58.3 46.7 70.1

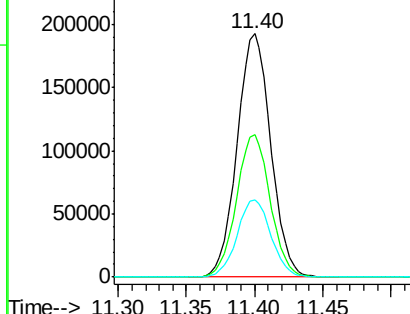
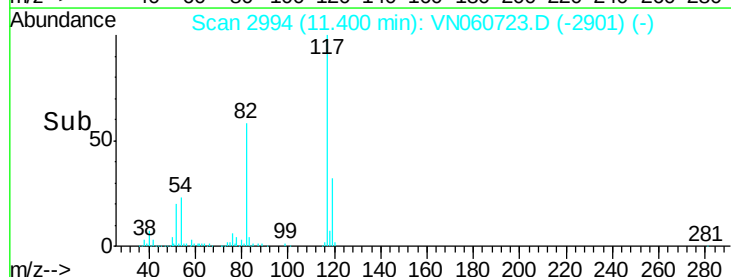
119 32.0 25.5 38.3

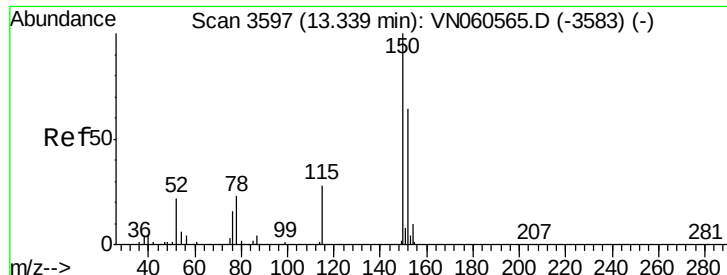


Abundance Ion 116.90 (116.60 to 117.60): VN060723.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060723.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060723.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: VN060723.D

Acq: 26 Mar 2020 18:52

Instrument :

MSVOA\_N

ClientSampleId :

PB127792ZHE#05

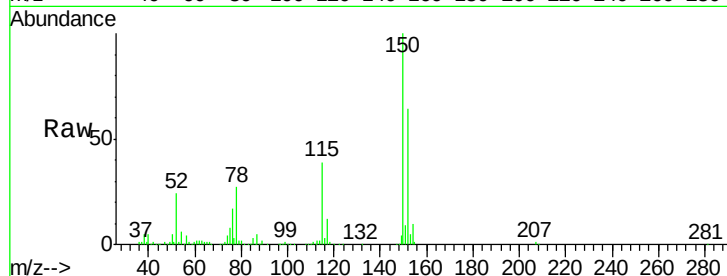
Tot Ion:152 Resp: 154343

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

150 155.7 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

