

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\  
 Data File : VN061885.D  
 Acq On : 18 Jun 2020 6:41  
 Operator : JC/MD  
 Sample : L2811-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NB-08-061620

Quant Time: Jun 18 07:33:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 17 01:19:44 2020  
 Response via : Initial Calibration

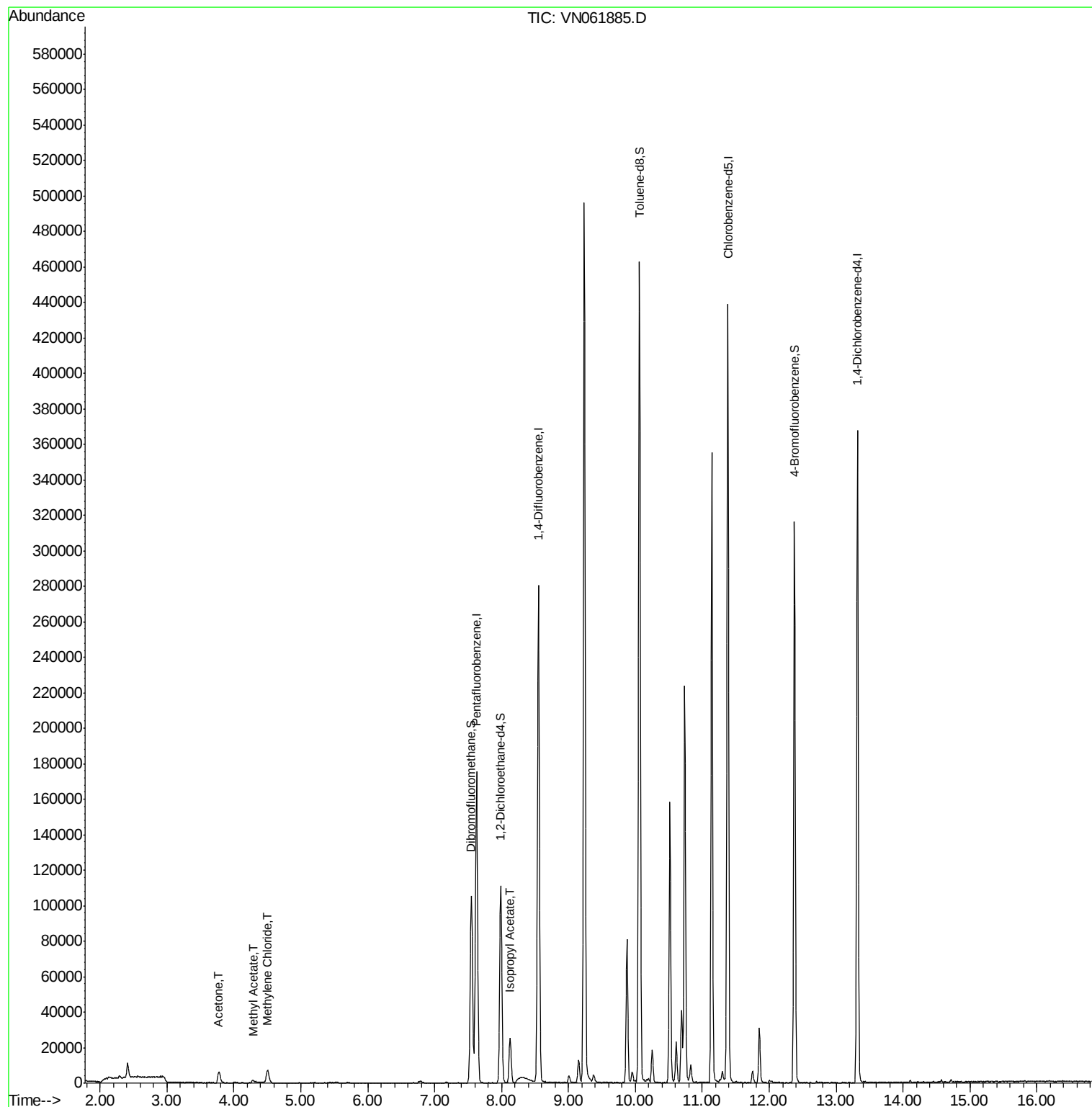
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 141266   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 260798   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 261725   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 100998   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 94765    | 50.02  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.04% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 82696    | 49.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.12%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 330903   | 50.45  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.90% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 108795   | 48.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.70%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.77  | 43   | 11087    | 19.811 | ug/l    | 97       |
| 18) Methyl Acetate          | 4.28  | 43   | 2959     | 1.837  | ug/l #  | 61       |
| 20) Methylene Chloride      | 4.51  | 84   | 6073     | 3.331  | ug/l    | 91       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 28477    | 9.097  | ug/l #  | 88       |

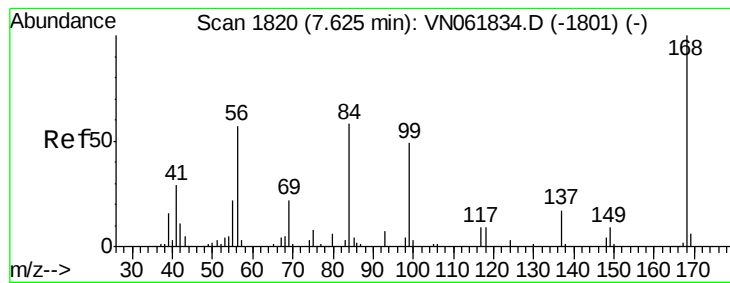
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 17 01:19:44 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061885.D

Acq: 18 Jun 2020 6:41

Instrument :

MSVOA\_N

ClientSampleId :

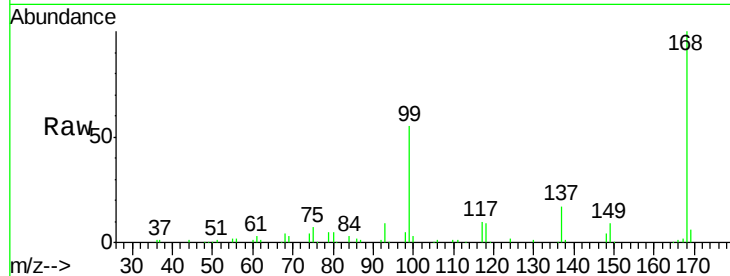
NB-08-061620

Tot Ion:168 Resp: 141266

Ion Ratio Lower Upper

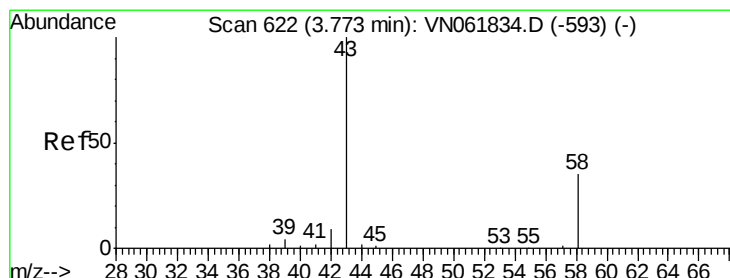
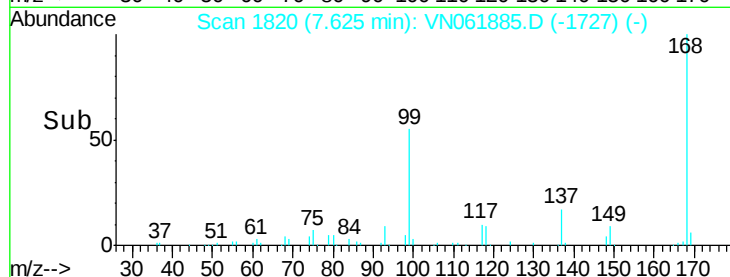
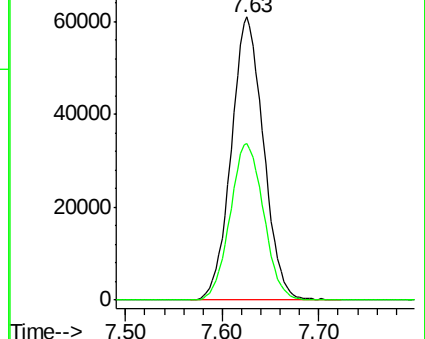
168 100

99 55.3 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 19.811 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061885.D

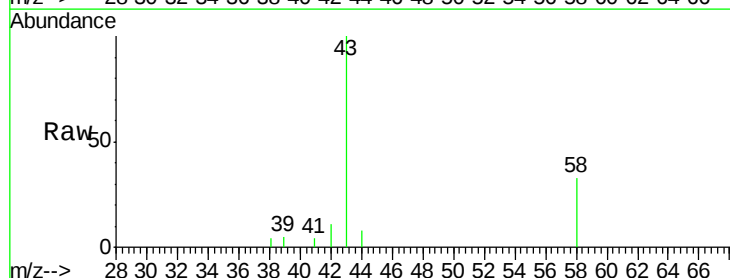
Acq: 18 Jun 2020 6:41

Tgt Ion: 43 Resp: 11087

Ion Ratio Lower Upper

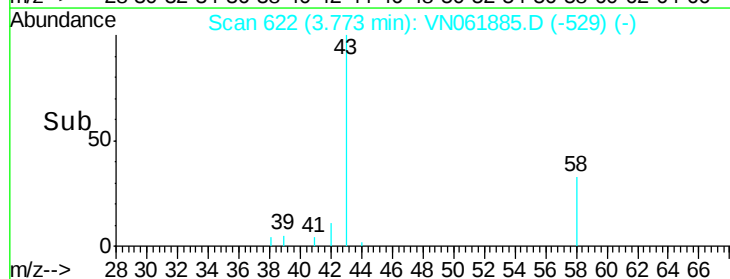
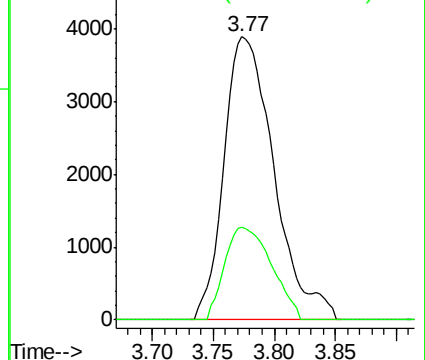
43 100

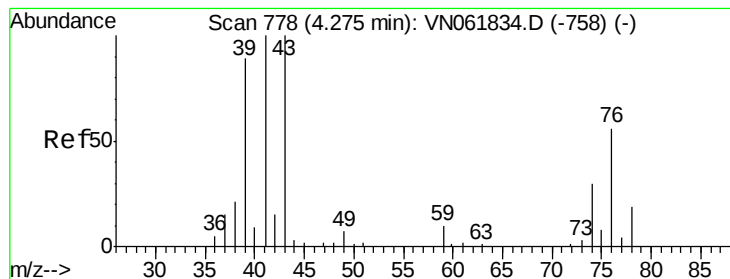
58 32.9 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#18

Methyl Acetate

Concen: 1.837 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.01 min

Lab File: VN061885.D

Acq: 18 Jun 2020 6:41

Instrument :

MSVOA\_N

ClientSampled :

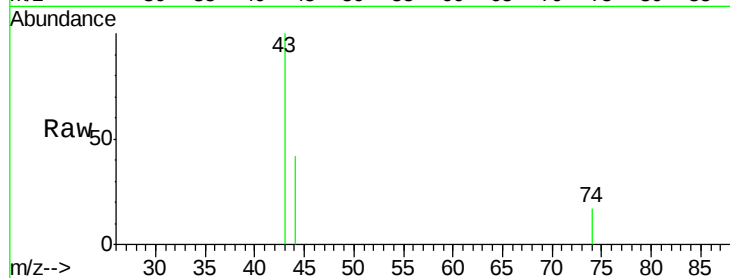
NB-08-061620

Tot Ion: 43 Resp: 2959

Ion Ratio Lower Upper

43 100

74 7.9 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN061834.D (-758) (-)

4.28

1200

1000

800

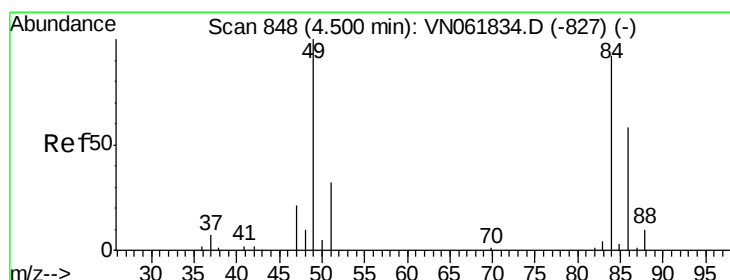
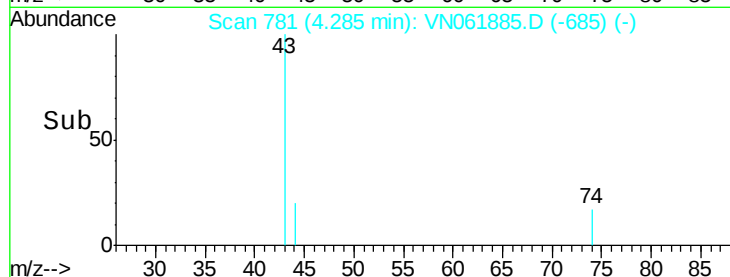
600

400

200

0

Time--> 4.20 4.25 4.30 4.35



#20

Methylene Chloride

Concen: 3.331 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN061885.D

Acq: 18 Jun 2020 6:41

Tgt Ion: 84 Resp: 6073

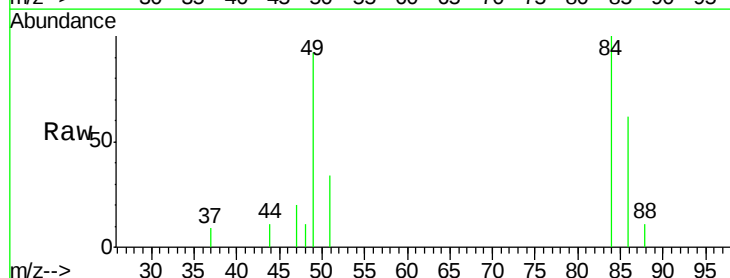
Ion Ratio Lower Upper

84 100

49 91.8 87.0 130.4

51 34.5 27.8 41.6

86 62.3 50.2 75.2



Abundance Ion 83.90 (83.60 to 84.60): VN061834.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN061834.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN061834.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN061834.D (-827) (-)

4.51

3000

2500

2000

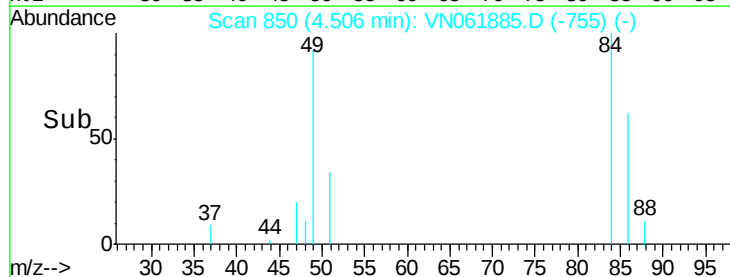
1500

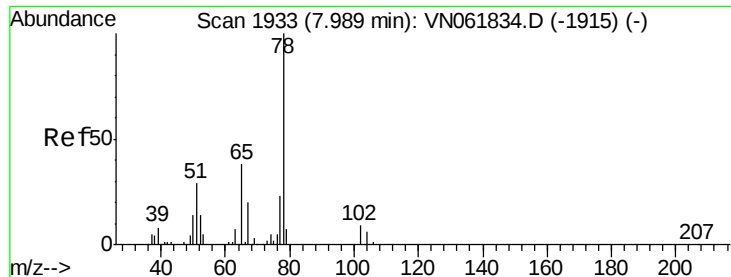
1000

500

0

Time--> 4.40 4.45 4.50 4.55 4.60

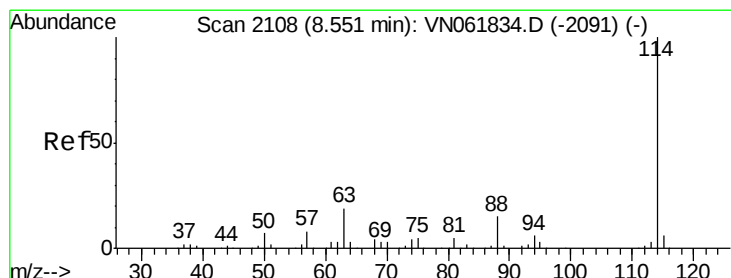
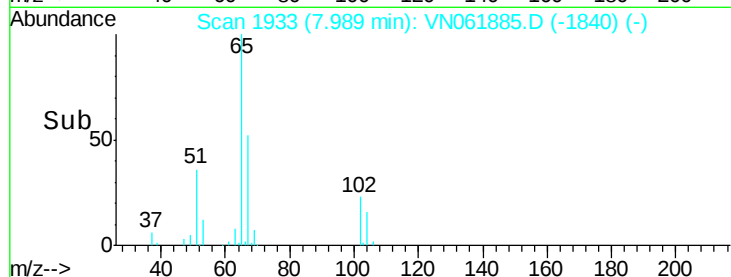
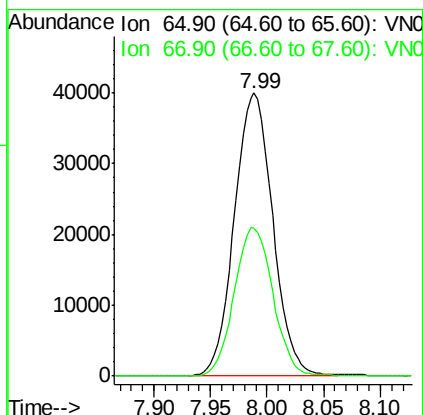
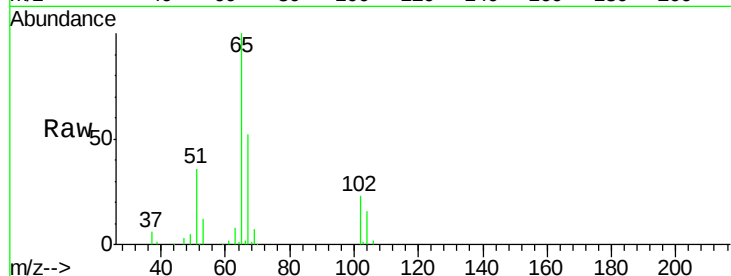




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.019 ug/l  
 RT: 7.99 min Scan# 1933  
 Delta R.T. 0.00 min  
 Lab File: VN061885.D  
 Acq: 18 Jun 2020 6:41

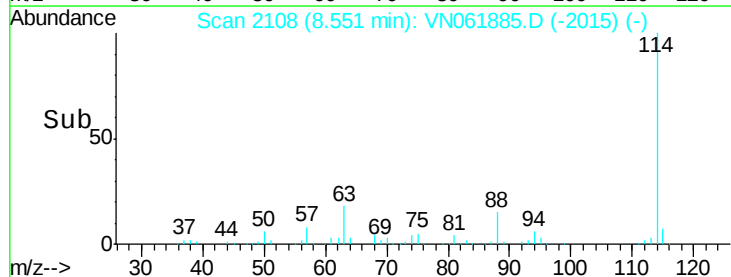
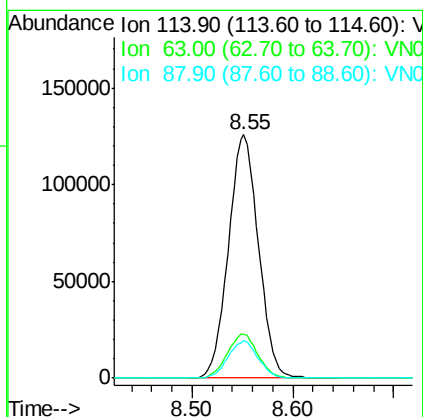
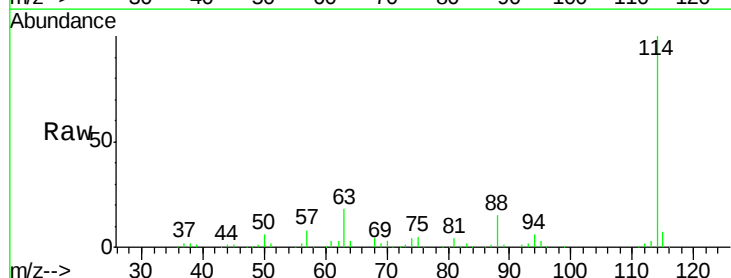
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NB-08-061620

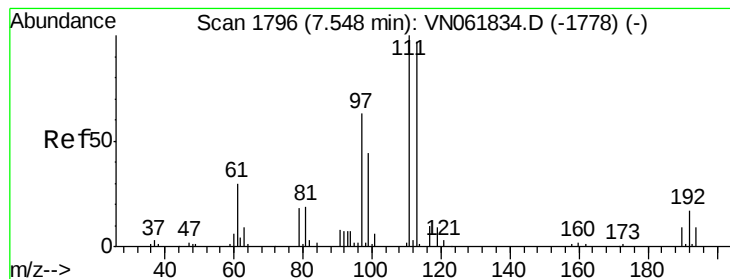
Tot Ion: 65 Resp: 94765  
 Ion Ratio Lower Upper  
 65 100  
 67 52.7 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2108  
 Delta R.T. 0.00 min  
 Lab File: VN061885.D  
 Acq: 18 Jun 2020 6:41

Tgt Ion: 114 Resp: 260798  
 Ion Ratio Lower Upper  
 114 100  
 63 18.1 0.0 37.6  
 88 15.2 0.0 31.0

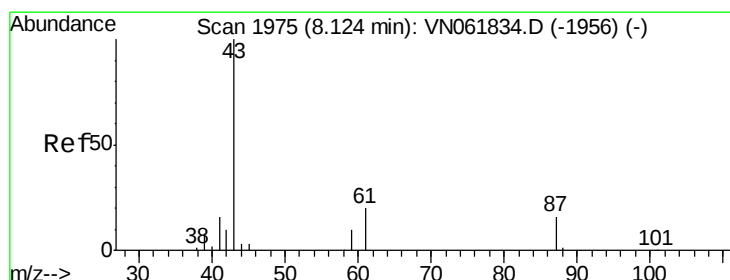
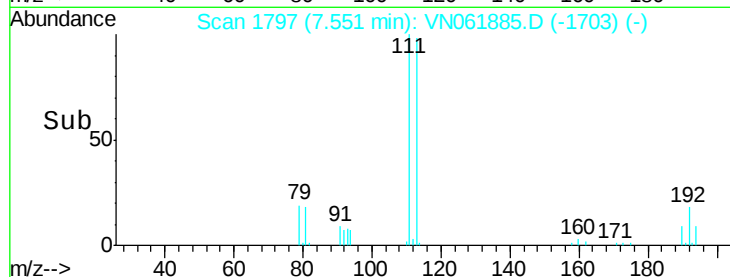
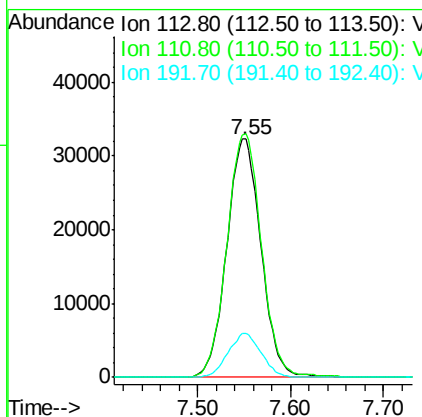
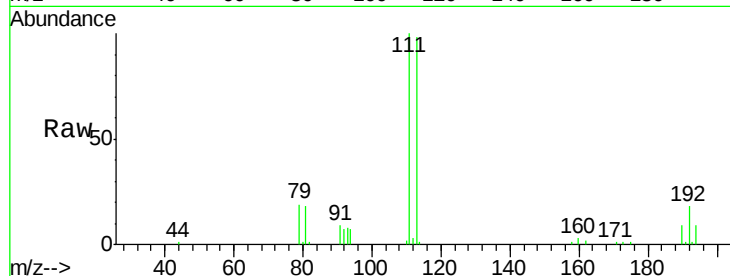




#35  
 Dibromofluoromethane  
 Concen: 49.565 ug/l  
 RT: 7.55 min Scan# 1797  
 Delta R.T. 0.00 min  
 Lab File: VN061885.D  
 Acq: 18 Jun 2020 6:41

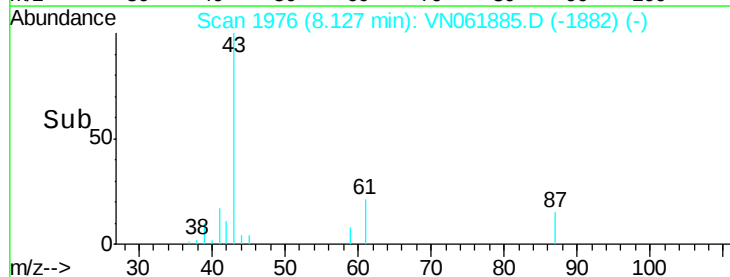
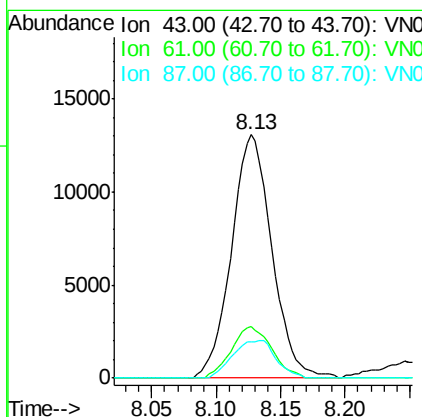
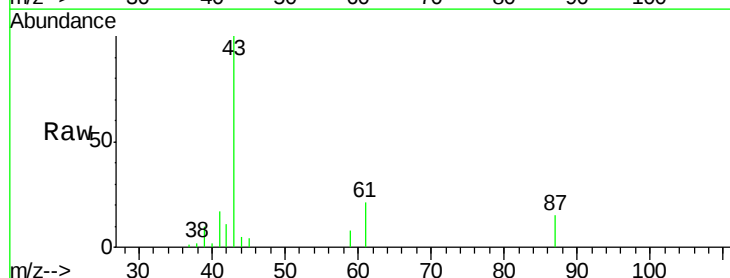
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 NB-08-061620

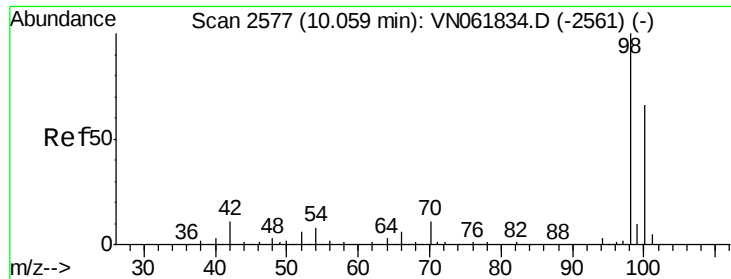
Tot Ion:113 Resp: 82696  
 Ion Ratio Lower Upper  
 113 100  
 111 102.4 83.7 125.5  
 192 17.8 13.9 20.9



#43  
 Isopropyl Acetate  
 Concen: 9.097 ug/l  
 RT: 8.13 min Scan# 1976  
 Delta R.T. 0.00 min  
 Lab File: VN061885.D  
 Acq: 18 Jun 2020 6:41

Tgt Ion: 43 Resp: 28477  
 Ion Ratio Lower Upper  
 43 100  
 61 21.0 24.0 36.0#  
 87 16.5 12.5 18.7





#50

Toluene-d8

Concen: 50.448 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061885.D

Acq: 18 Jun 2020 6:41

Instrument :

MSVOA\_N

ClientSampleId :

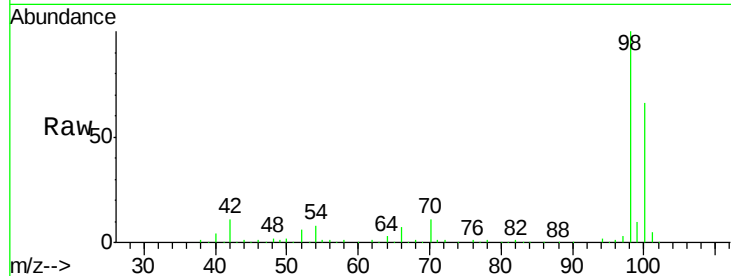
NB-08-061620

Tot Ion: 98 Resp: 330903

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

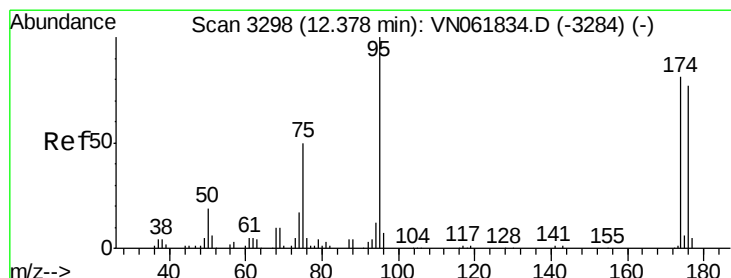
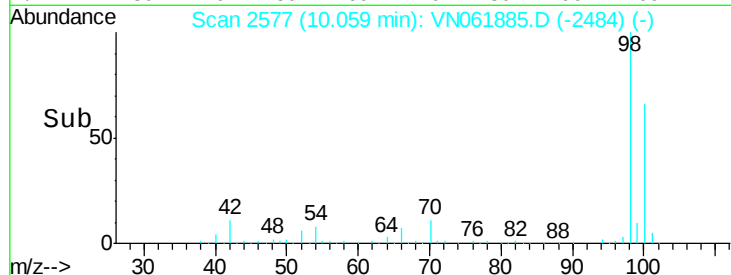
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.354 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061885.D

Acq: 18 Jun 2020 6:41

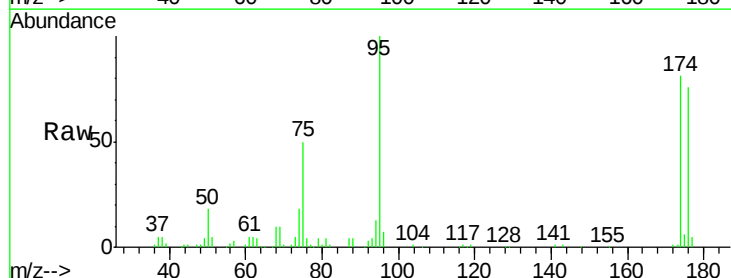
Tgt Ion: 95 Resp: 108795

Ion Ratio Lower Upper

95 100

174 81.5 0.0 158.6

176 76.4 0.0 152.0



Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

12.38

80000

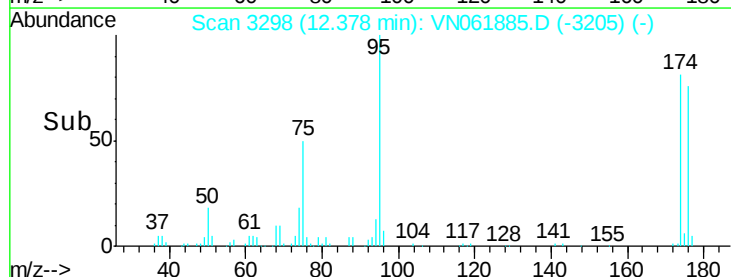
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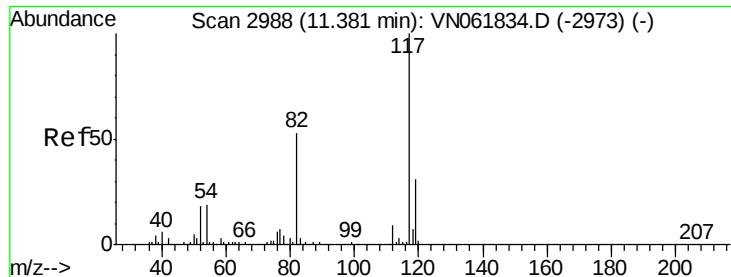
40000

20000

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Time-->

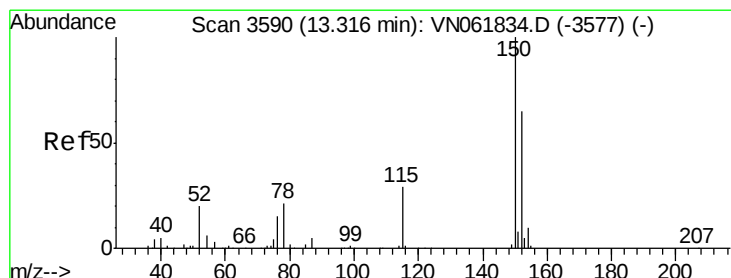
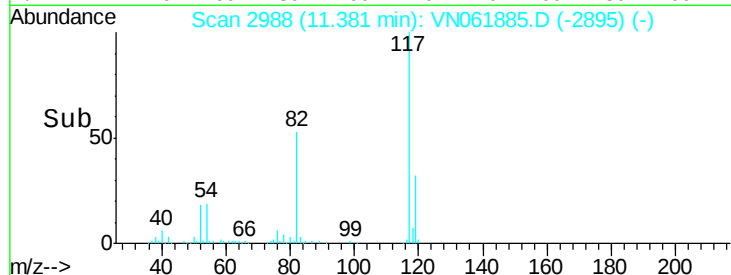
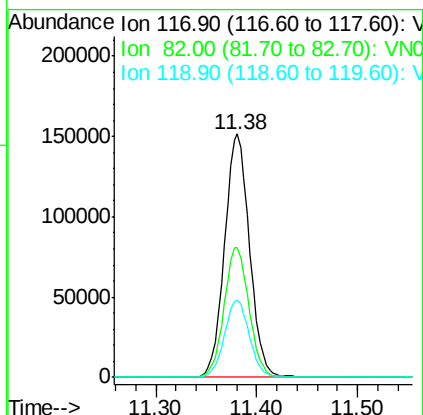
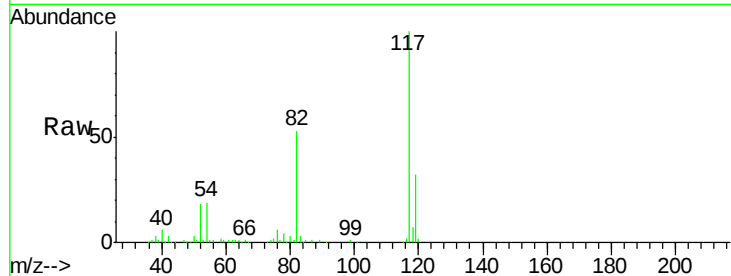




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2988  
Delta R.T. 0.00 min  
Lab File: VN061885.D  
Acq: 18 Jun 2020 6:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
NB-08-061620

Tot Ion:117 Resp: 261725  
Ion Ratio Lower Upper  
117 100  
82 53.3 42.6 64.0  
119 31.8 24.7 37.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3591  
Delta R.T. 0.00 min  
Lab File: VN061885.D  
Acq: 18 Jun 2020 6:41

Tgt Ion:152 Resp: 100998  
Ion Ratio Lower Upper  
152 100  
115 59.4 29.1 87.3  
150 159.2 0.0 347.6

