

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081120\  
 Data File : VN062840.D  
 Acq On : 11 Aug 2020 19:33  
 Operator : JC/MD  
 Sample : PB130874ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130874ZHE#02

Quant Time: Aug 11 21:45:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N080520W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 05 13:26:42 2020  
 Response via : Initial Calibration

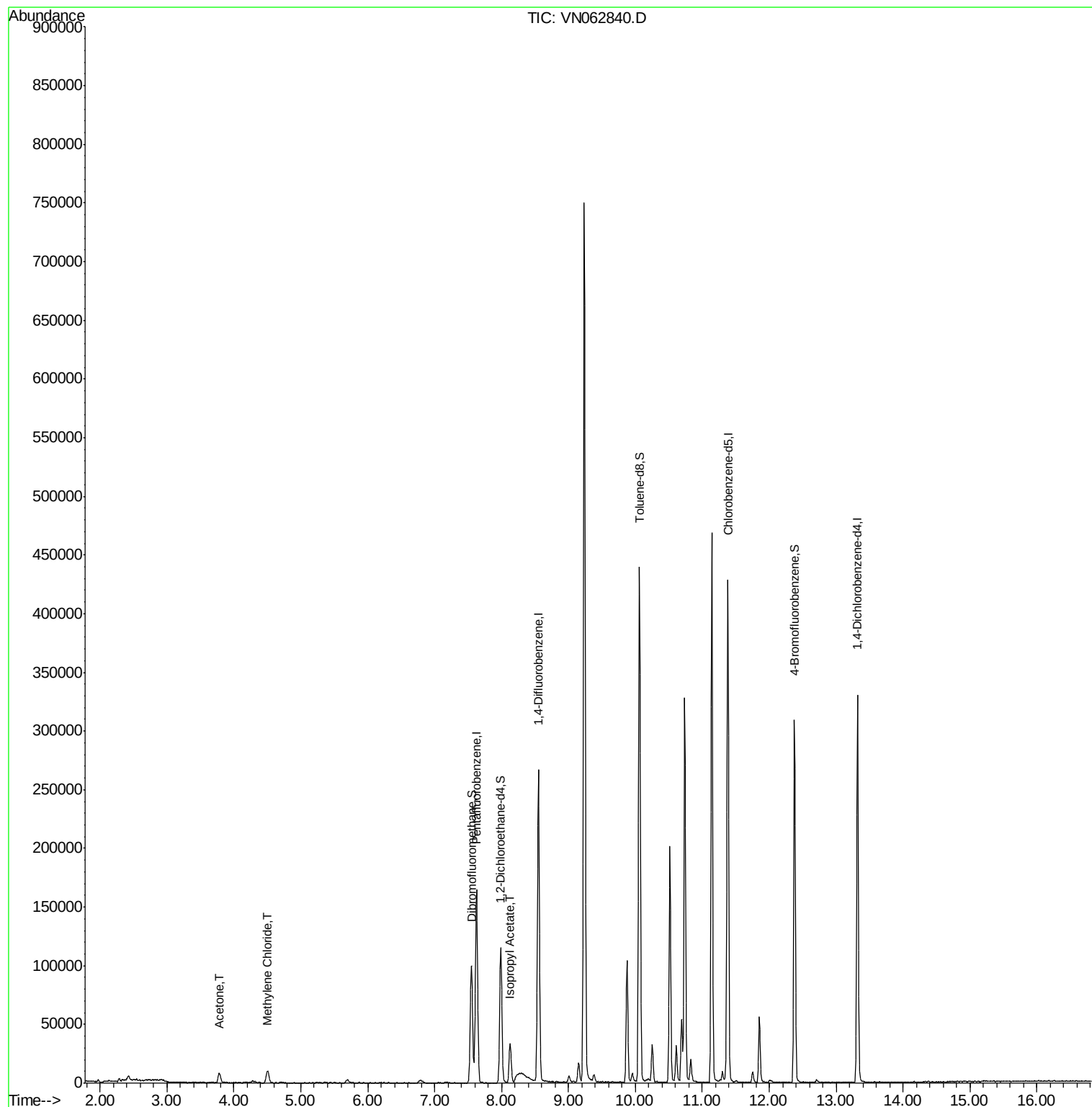
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 124885   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 228662   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 236199   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 86995    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 107922   | 52.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.52% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 75418    | 48.22  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.44%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 300210   | 49.16  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.32%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 109406   | 47.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 94.82%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 14986    | 20.082 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.50  | 84   | 8052     | 5.215  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 8.12  | 43   | 40126    | 10.343 | ug/l    | 98       |

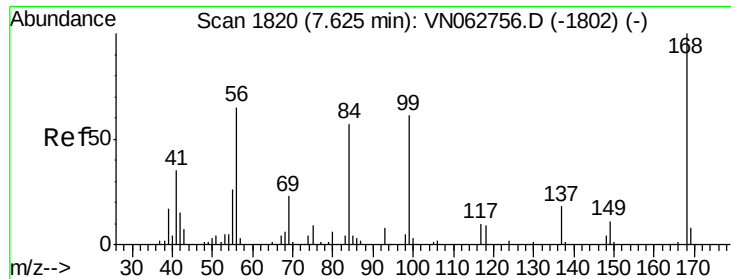
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:26:42 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: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA\_N

ClientSampleId :

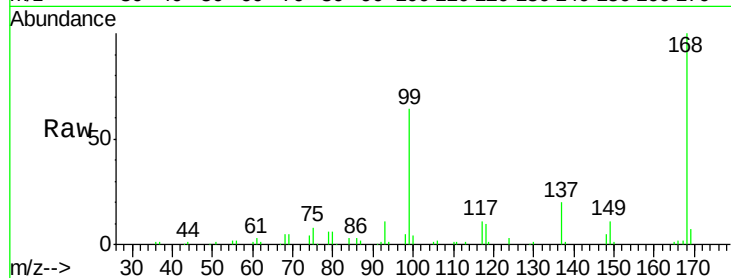
PB130874ZHE#02

Tot Ion:168 Resp: 124885

Ion Ratio Lower Upper

168 100

99 64.0 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

50000

40000

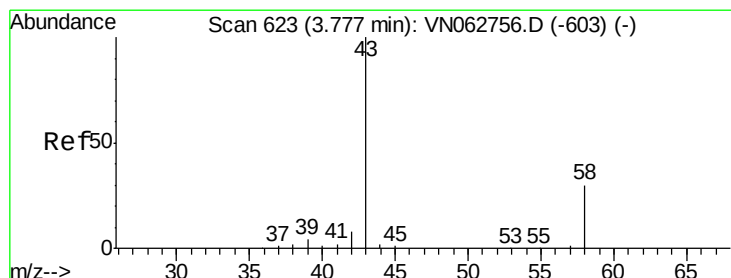
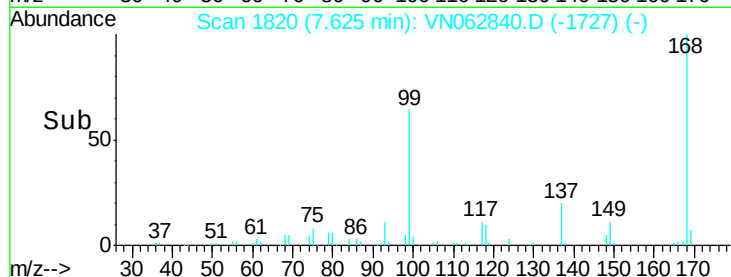
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 20.082 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062840.D

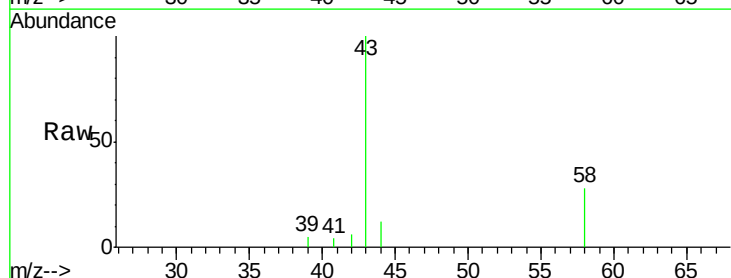
Acq: 11 Aug 2020 19:33

Tgt Ion: 43 Resp: 14986

Ion Ratio Lower Upper

43 100

58 28.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

6000

5000

4000

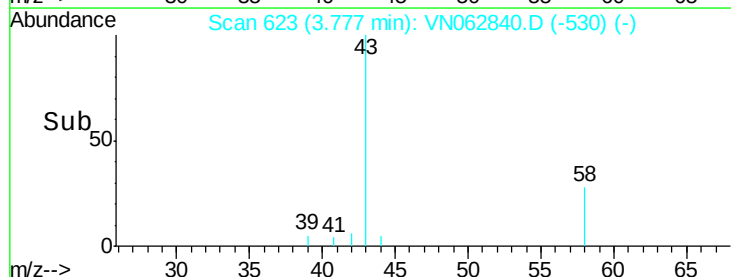
3000

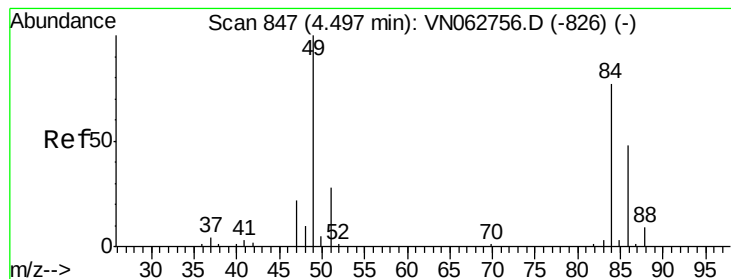
2000

1000

0

Time-->





#20

Methylene Chloride

Concen: 5.215 ug/l

RT: 4.50 min Scan# 849

Delta R.T. 0.01 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA\_N

ClientSampleId :

PB130874ZHE#02

Tot Ion: 84 Resp: 8052

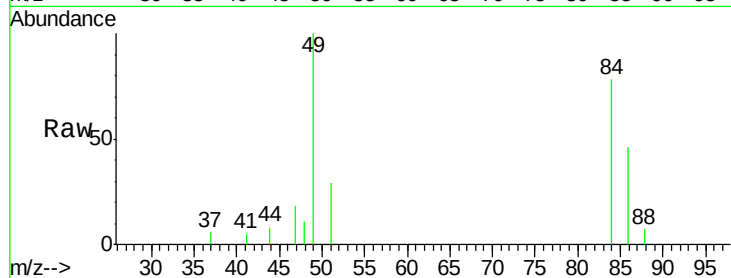
Ion Ratio Lower Upper

84 100

49 128.5 103.4 155.2

51 37.3 29.3 43.9

86 58.6 49.9 74.9

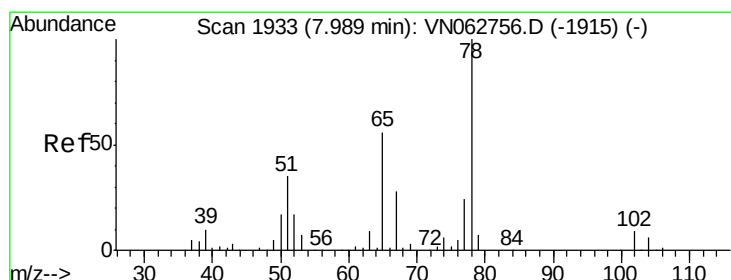
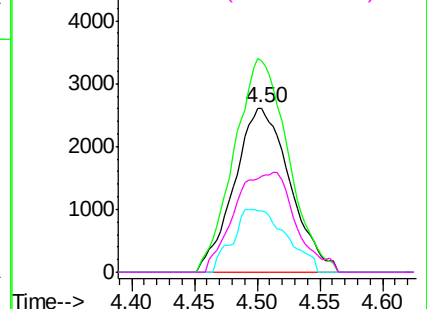
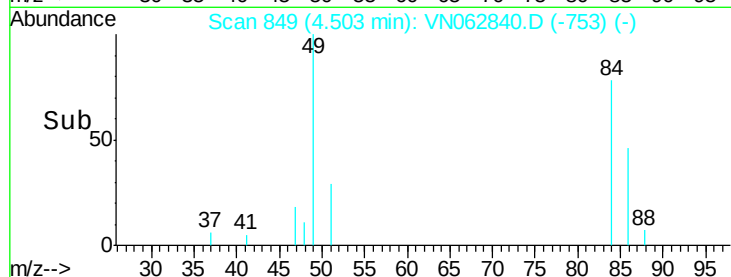


Abundance Ion 83.90 (83.60 to 84.60): VN0

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: 52.257 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062840.D

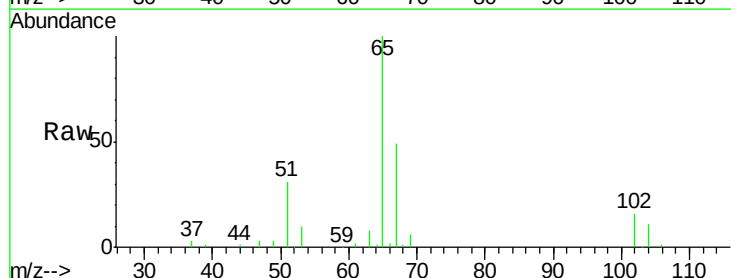
Acq: 11 Aug 2020 19:33

Tgt Ion: 65 Resp: 107922

Ion Ratio Lower Upper

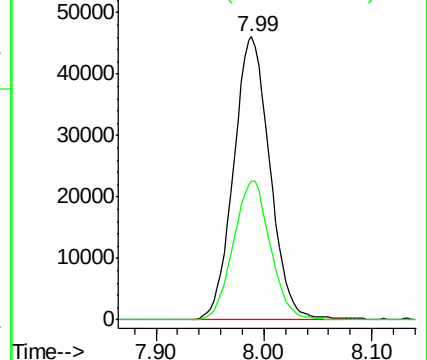
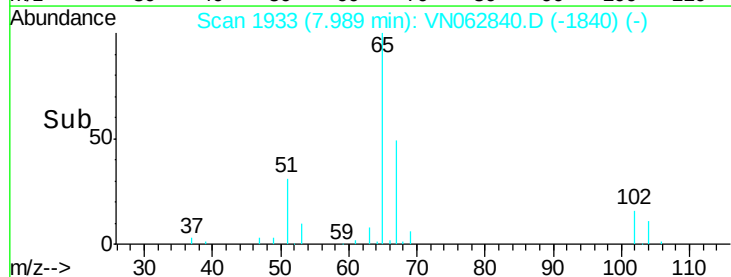
65 100

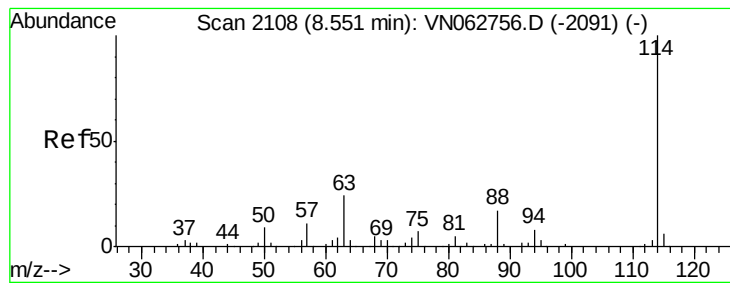
67 49.7 0.0 101.4



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: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA\_N

ClientSampleId :

PB130874ZHE#02

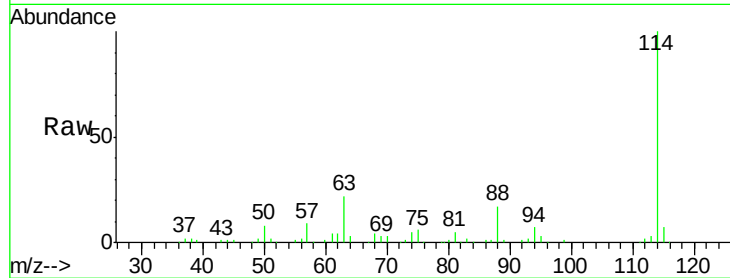
Tot Ion:114 Resp: 228662

Ion Ratio Lower Upper

114 100

63 22.1 0.0 47.6

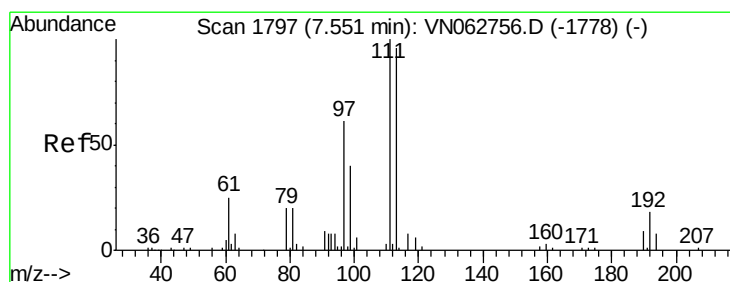
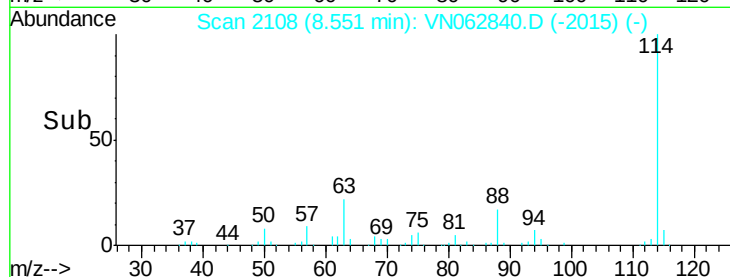
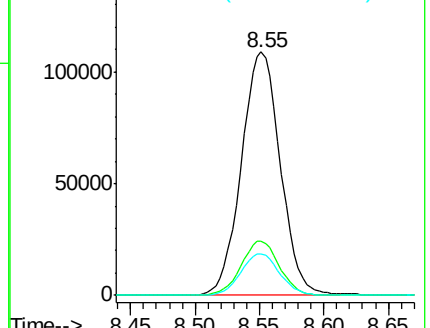
88 17.1 0.0 34.4



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: 48.216 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

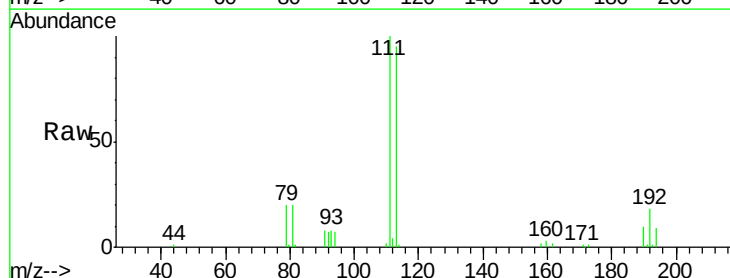
Tgt Ion:113 Resp: 75418

Ion Ratio Lower Upper

113 100

111 105.5 81.8 122.6

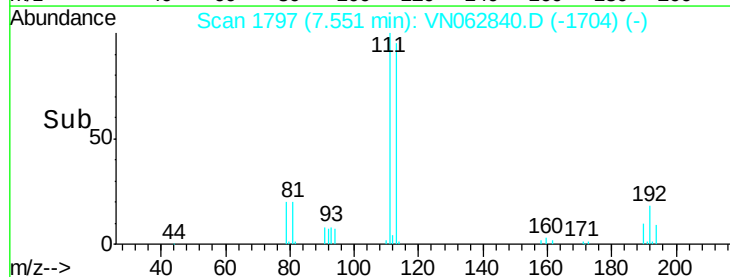
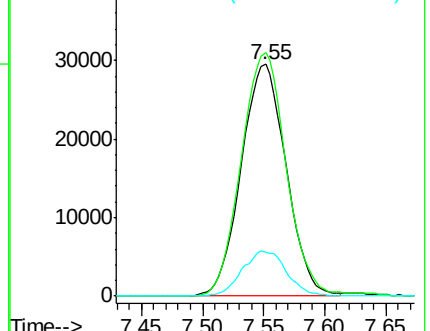
192 19.0 15.0 22.4

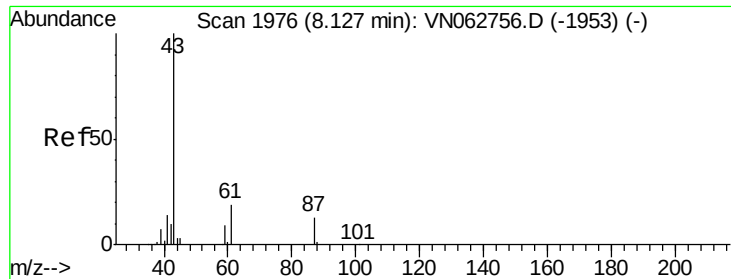


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 10.343 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA\_N

ClientSampleId :

PB130874ZHE#02

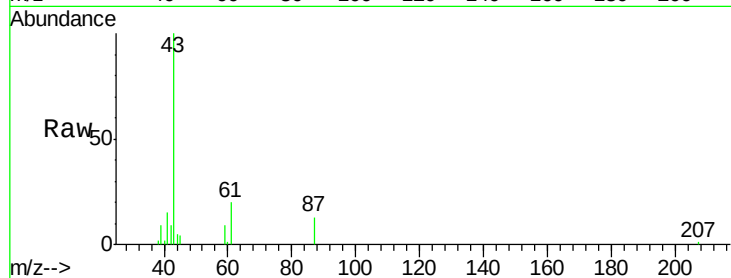
Tot Ion: 43 Resp: 40126

Ion Ratio Lower Upper

43 100

61 19.1 15.8 23.6

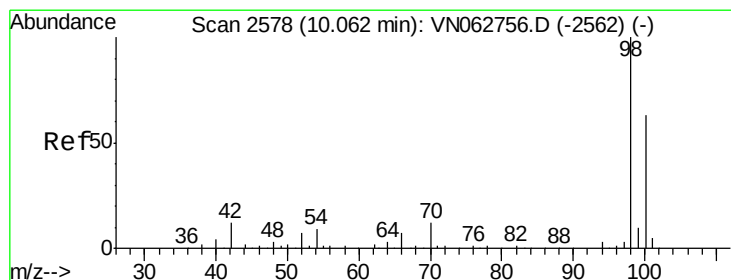
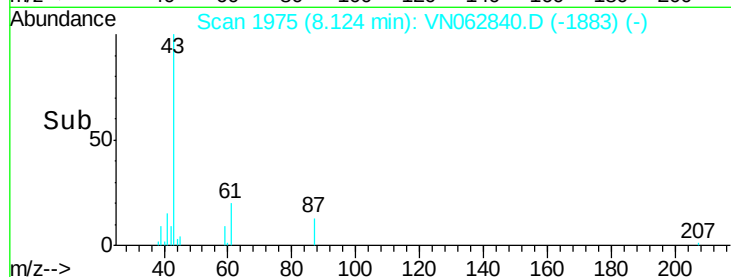
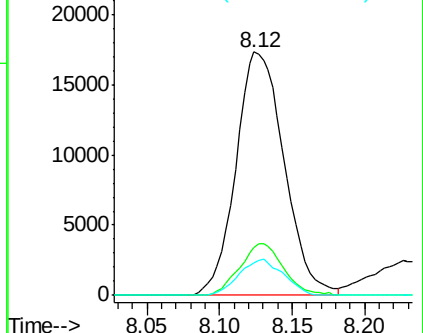
87 13.6 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062840.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062840.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062840.D (-1883) (-)



#50

Toluene-d8

Concen: 49.161 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062840.D

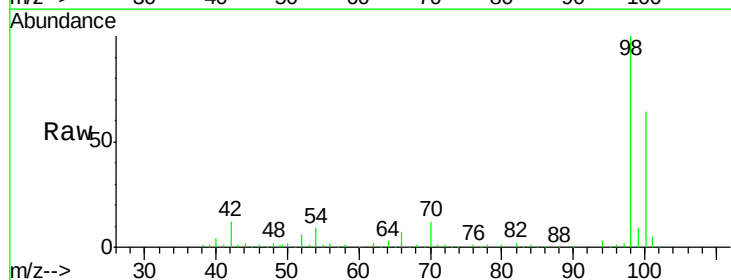
Acq: 11 Aug 2020 19:33

Tgt Ion: 98 Resp: 300210

Ion Ratio Lower Upper

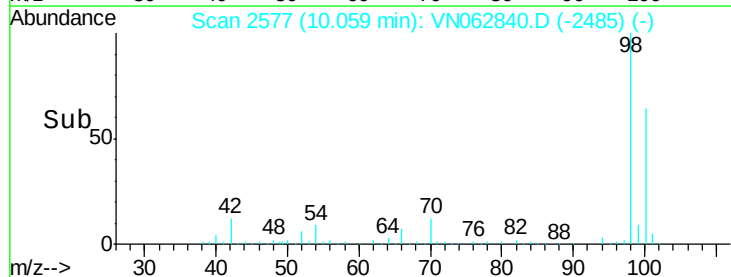
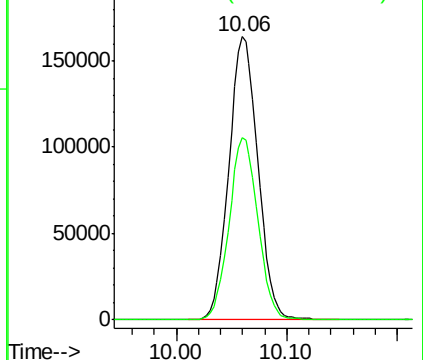
98 100

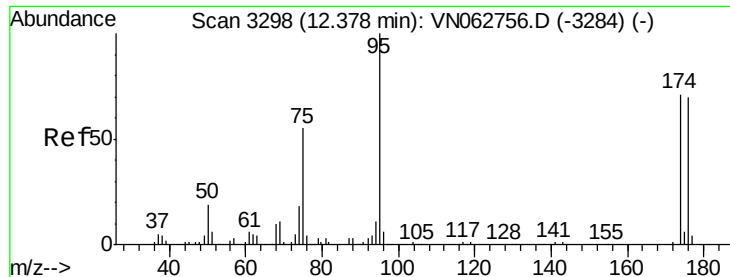
100 63.6 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062840.D (-2485) (-)

Ion 100.00 (99.70 to 100.70): VN062840.D (-2485) (-)





#62

4-Bromofluorobenzene

Concen: 47.409 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA\_N

ClientSampleId :

PB130874ZHE#02

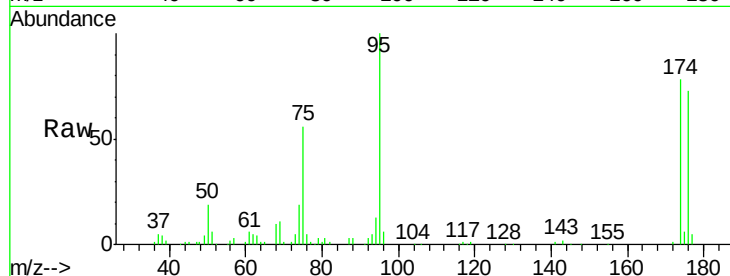
Tot Ion: 95 Resp: 109406

Ion Ratio Lower Upper

95 100

174 77.1 0.0 144.8

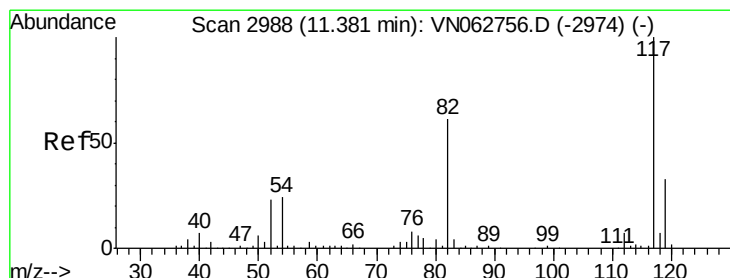
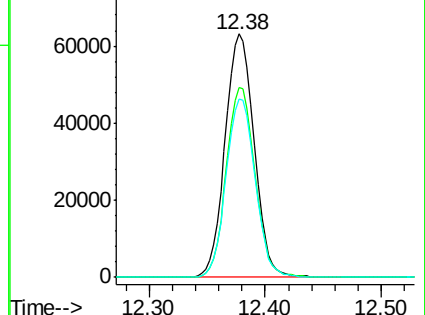
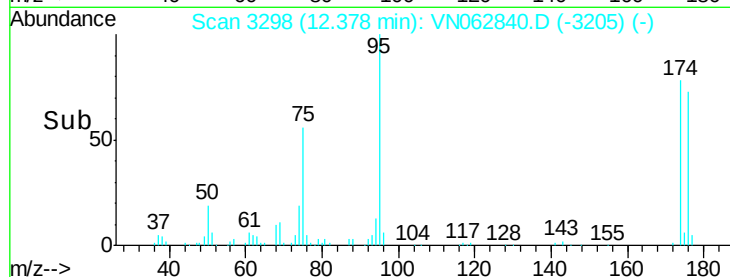
176 73.1 0.0 142.2



Abundance Ion 94.90 (94.60 to 95.60): VN062840.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062840.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062840.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

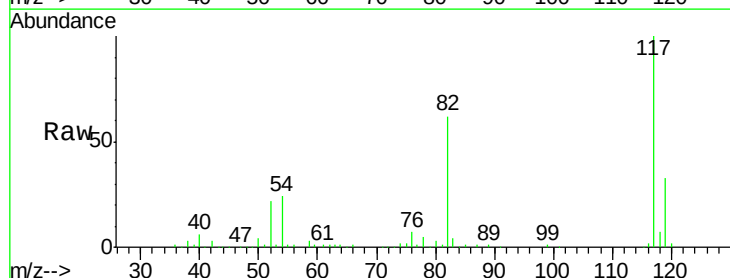
Tgt Ion: 117 Resp: 236199

Ion Ratio Lower Upper

117 100

82 61.5 49.0 73.4

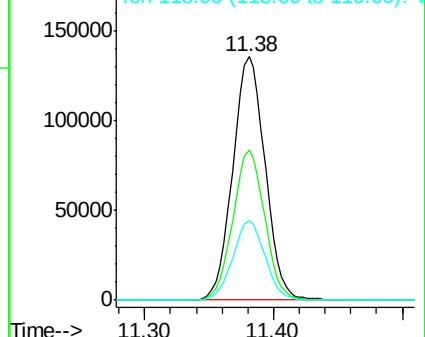
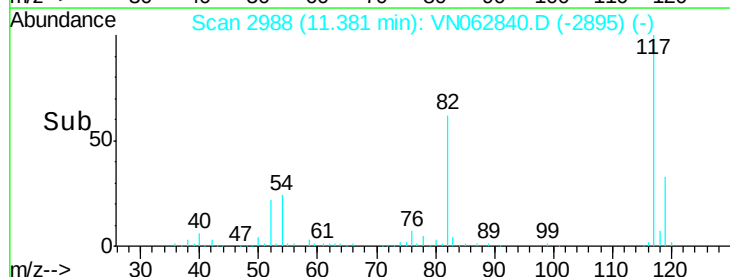
119 32.7 26.2 39.2

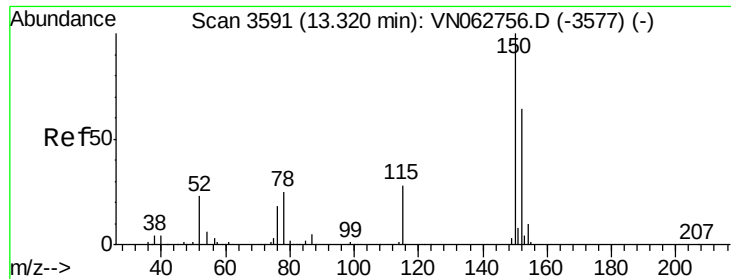


Abundance Ion 116.90 (116.60 to 117.60): VN062840.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062840.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062840.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062840.D

Acq: 11 Aug 2020 19:33

Instrument :

MSVOA\_N

ClientSampleId :

PB130874ZHE#02

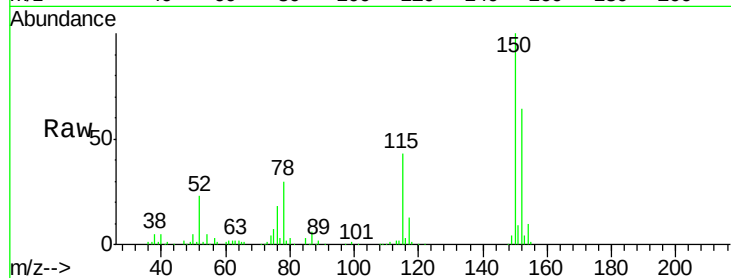
Tot Ion:152 Resp: 86995

Ion Ratio Lower Upper

152 100

115 65.5 31.6 94.8

150 156.9 0.0 349.2



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

