

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
 Data File : VN060857.D  
 Acq On : 6 Apr 2020 17:28  
 Operator : JC/MD  
 Sample : L2132-13  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CLEAN-GRAVEL

Quant Time: Apr 07 08:33:23 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

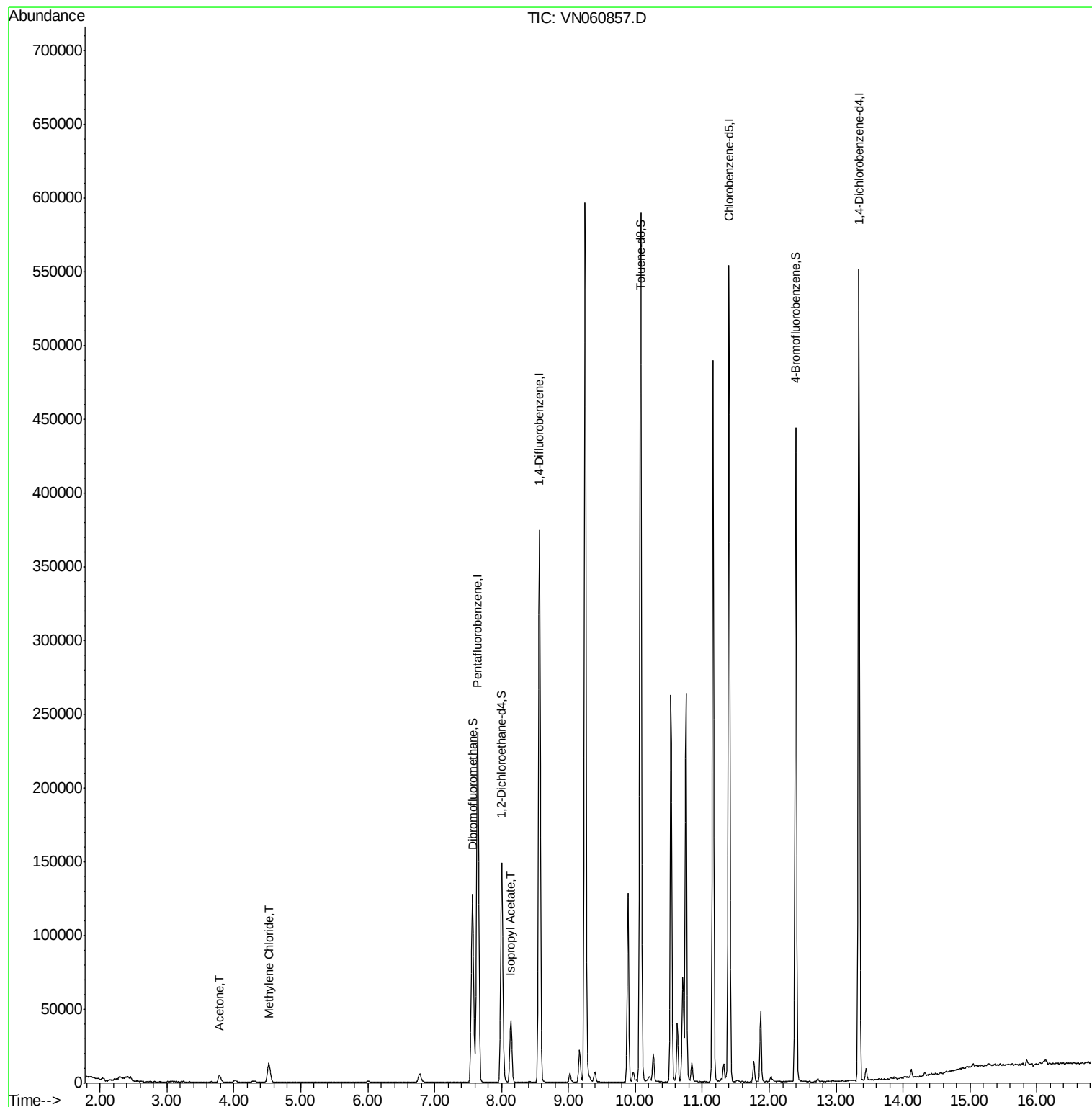
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64  | 168  | 197083   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57  | 114  | 331694   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40 | 117  | 313828   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 144917   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00  | 65   | 128917   | 47.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.30%  |          |
| 35) Dibromofluoromethane    | 7.56  | 113  | 98293    | 49.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.02%  |          |
| 50) Toluene-d8              | 10.08 | 98   | 407297   | 49.72 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.44%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 156692   | 52.19 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.38% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.78  | 43   | 8726     | 9.105 | ug/l    | 92       |
| 20) Methylene Chloride      | 4.53  | 84   | 10449    | 4.432 | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.14  | 43   | 51304    | 8.964 | ug/l #  | 91       |

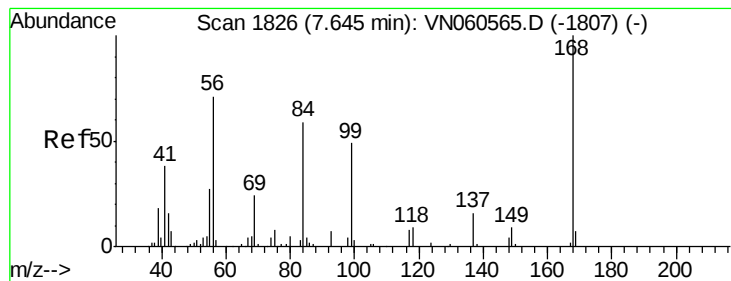
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060857.D

Acq: 6 Apr 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

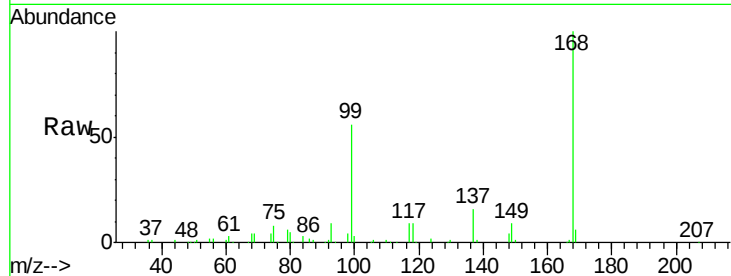
CLEAN-GRAVEL

Tot Ion:168 Resp: 197083

Ion Ratio Lower Upper

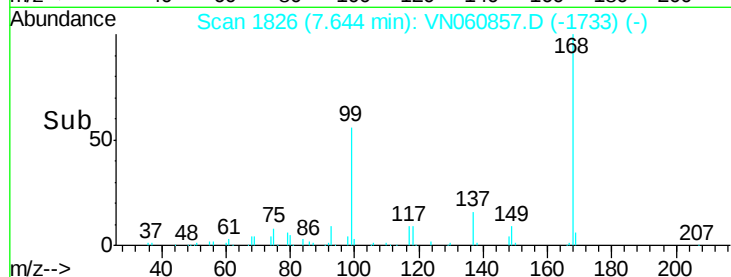
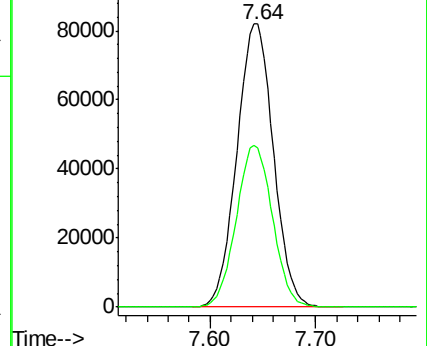
168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 9.105 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060857.D

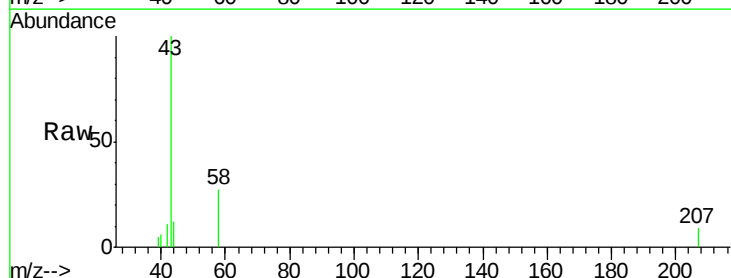
Acq: 6 Apr 2020 17:28

Tgt Ion: 43 Resp: 8726

Ion Ratio Lower Upper

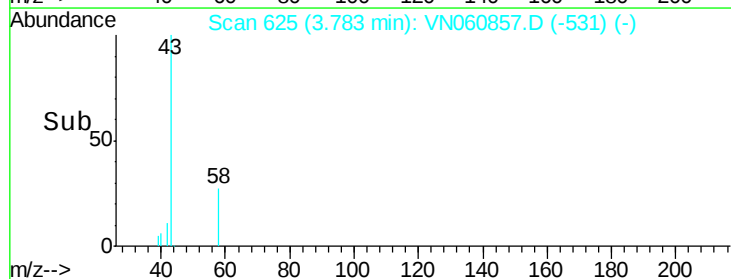
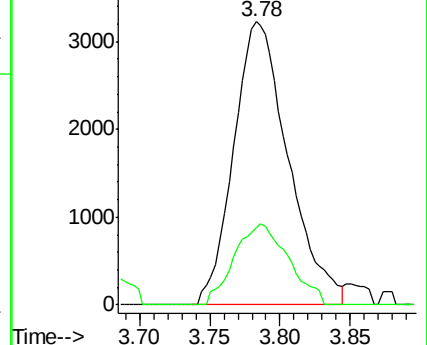
43 100

58 27.2 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

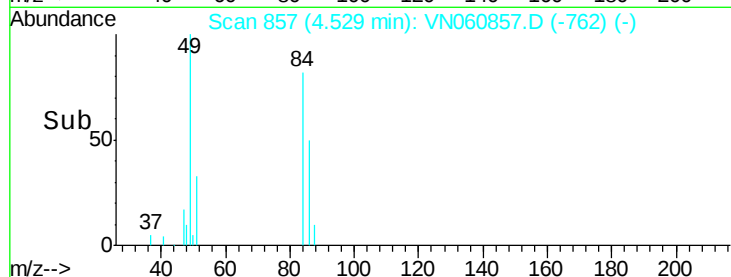
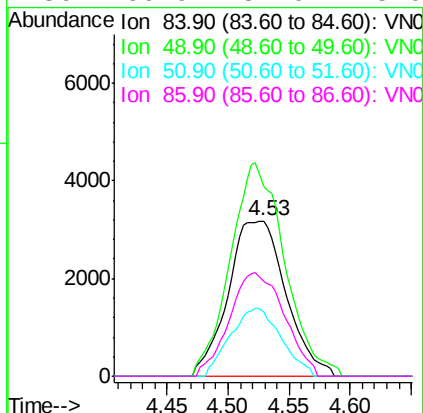
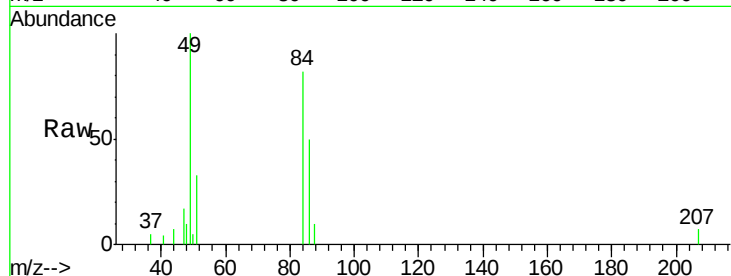




#20  
Methvlene Chloride  
Concen: 4.432 ug/l  
RT: 4.53 min Scan# 857  
Delta R.T. 0.01 min  
Lab File: VN060857.D  
Acq: 6 Apr 2020 17:28

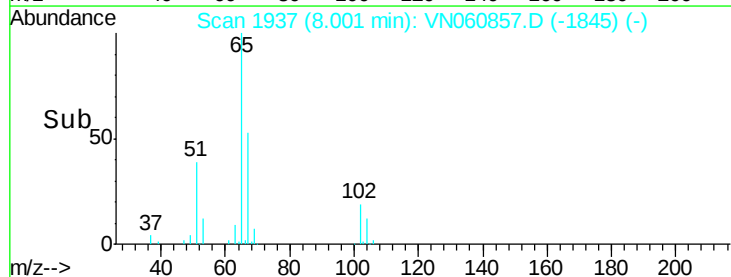
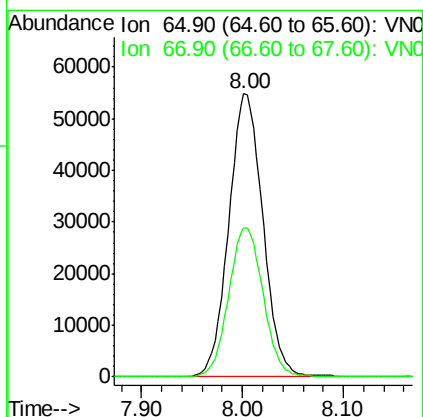
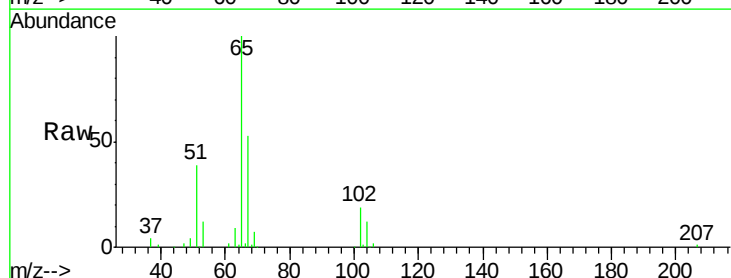
Instrument :  
MSVOA\_N  
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Tot Ion: 84 Resp: 10449  
Ion Ratio Lower Upper  
84 100  
49 122.4 103.3 154.9  
51 41.0 31.6 47.4  
86 60.9 52.0 78.0



#33  
1,2-Dichloroethane-d4  
Concen: 47.650 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060857.D  
Acq: 6 Apr 2020 17:28

Tgt Ion: 65 Resp: 128917  
Ion Ratio Lower Upper  
65 100  
67 53.2 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: VN060857.D

Acq: 6 Apr 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

CLEAN-GRAVEL

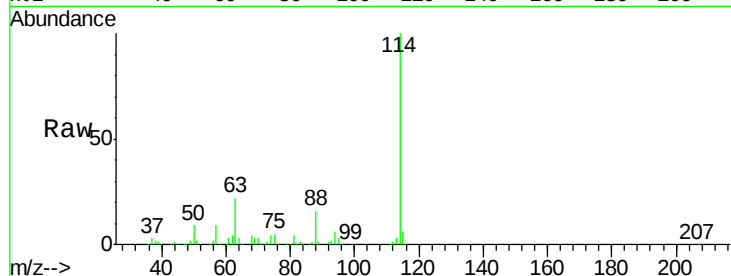
Tot Ion:114 Resp: 331694

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

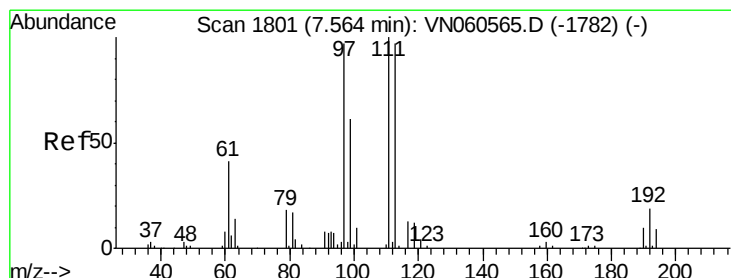
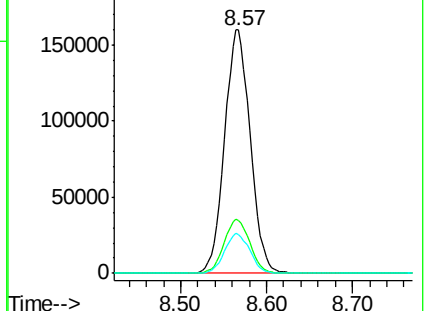
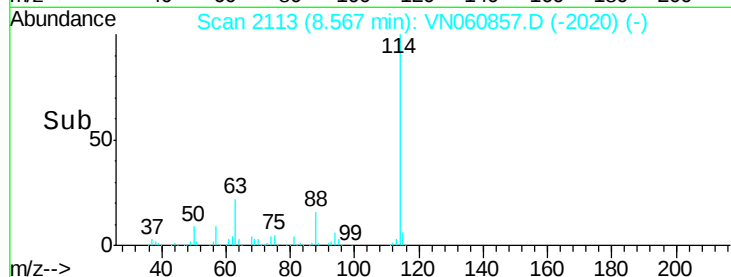
88 16.1 0.0 33.0



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: 49.008 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060857.D

Acq: 6 Apr 2020 17:28

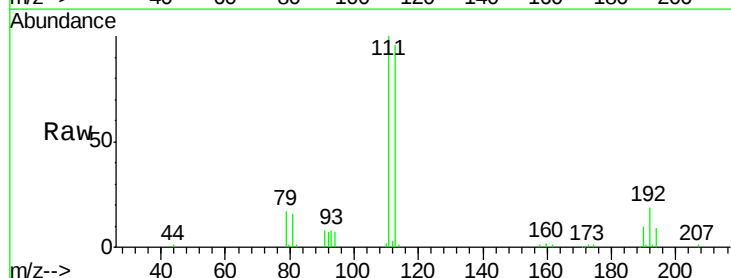
Tgt Ion:113 Resp: 98293

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

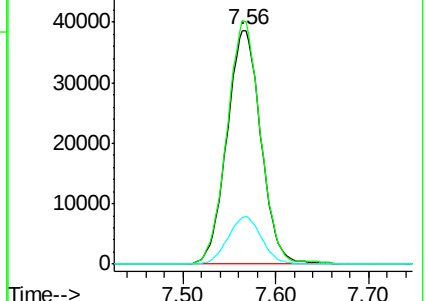
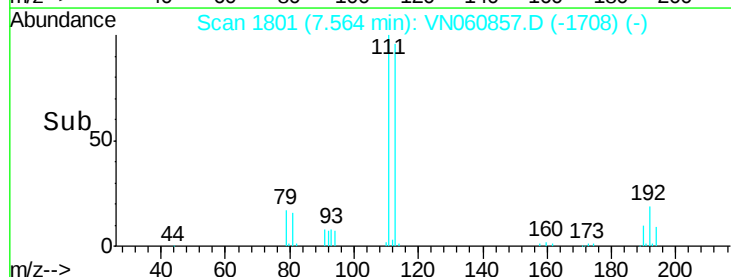
192 20.0 15.8 23.8

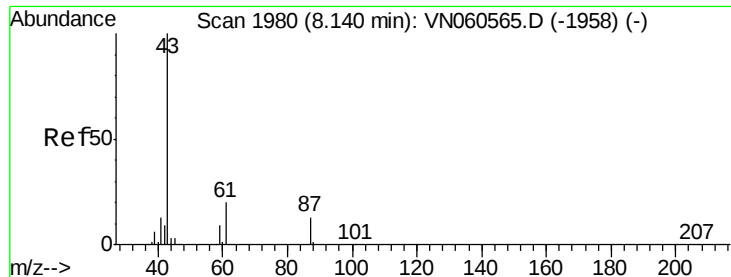


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.964 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060857.D

Acq: 6 Apr 2020 17:28

Instrument :

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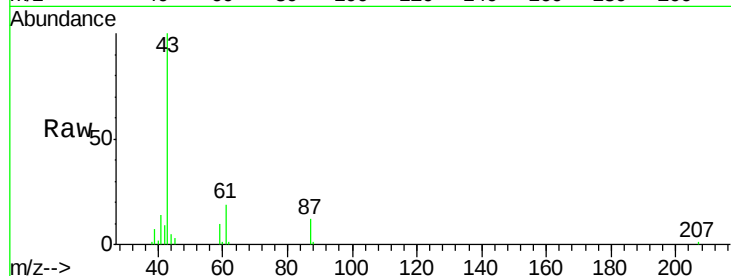
Tot Ion: 43 Resp: 51304

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

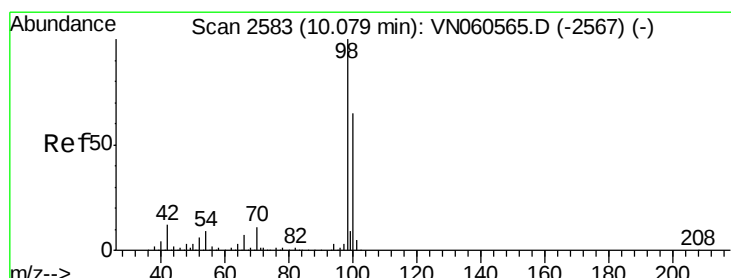
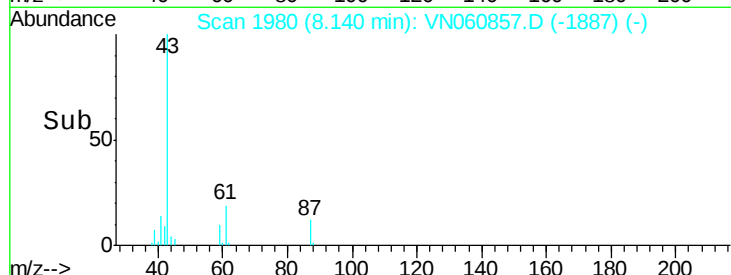
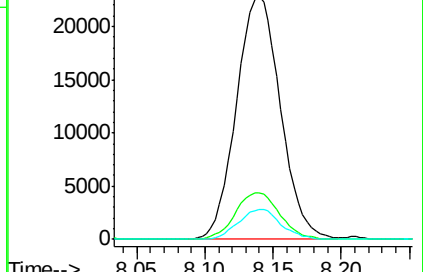
87 11.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060857.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060857.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060857.D (-1887) (-)



#50

Toluene-d8

Concen: 49.717 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060857.D

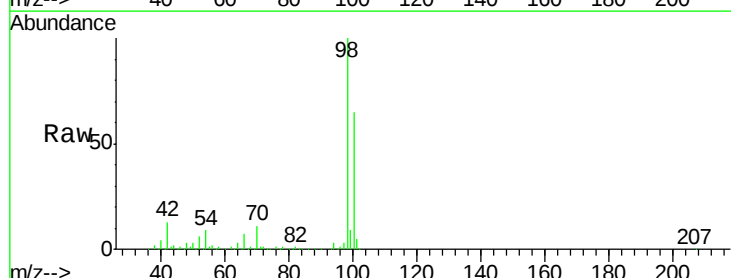
Acq: 6 Apr 2020 17:28

Tgt Ion: 98 Resp: 407297

Ion Ratio Lower Upper

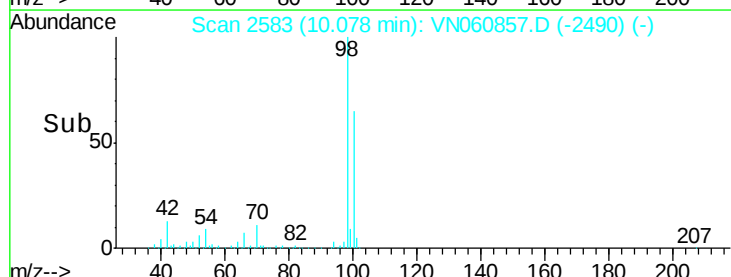
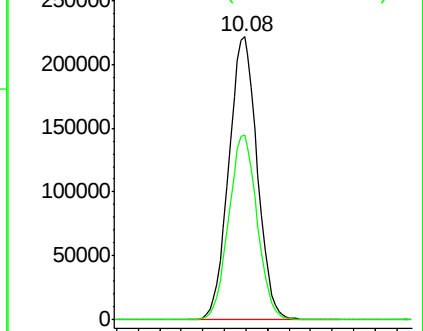
98 100

100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060857.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060857.D (-2490) (-)

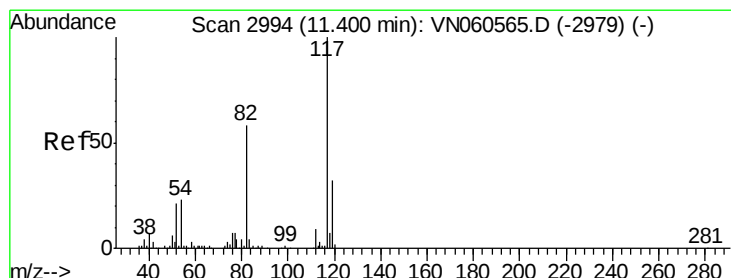
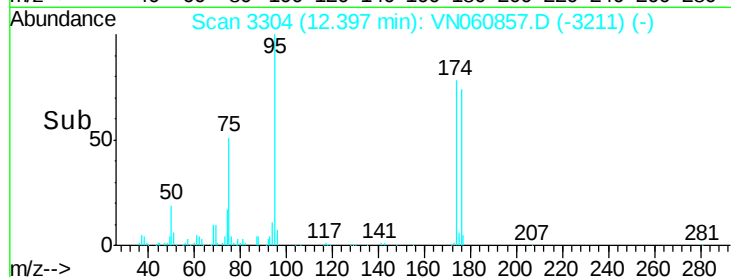
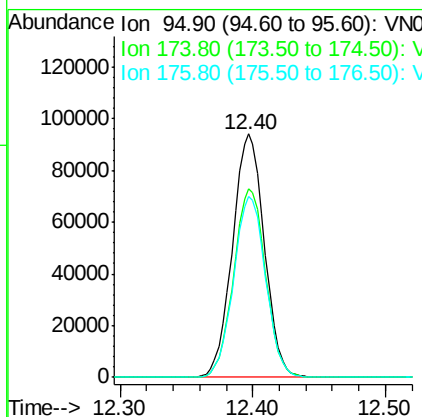
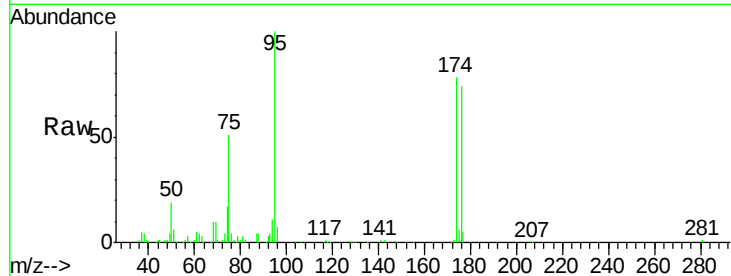




#62  
4-Bromofluorobenzene  
Concen: 52.190 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. -0.00 min  
Lab File: VN060857.D  
Acq: 6 Apr 2020 17:28

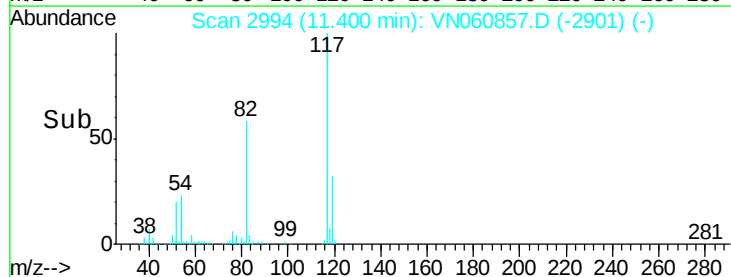
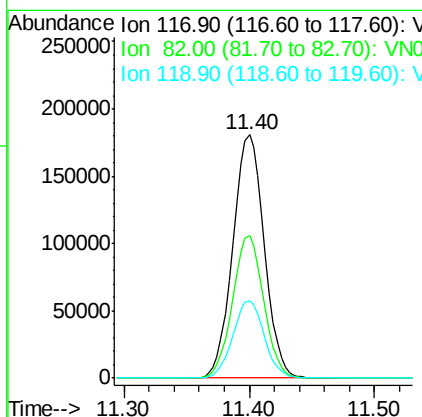
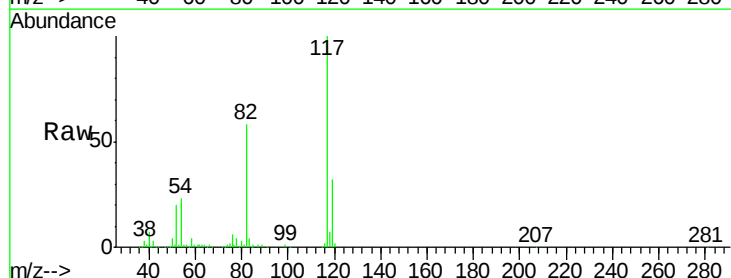
Instrument :  
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Tot Ion: 95 Resp: 156692  
Ion Ratio Lower Upper  
95 100  
174 77.6 0.0 157.6  
176 74.8 0.0 150.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060857.D  
Acq: 6 Apr 2020 17:28

Tgt Ion: 117 Resp: 313828  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.7 70.1  
119 31.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060857.D

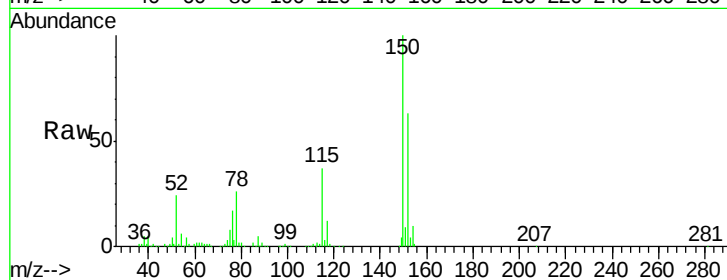
Acq: 6 Apr 2020 17:28

Instrument :

MSVOA\_N

ClientSampleId :

CLEAN-GRAVEL



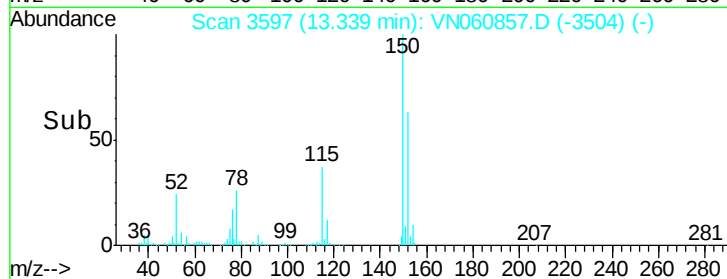
Tot Ion:152 Resp: 144917

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

150 158.8 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

