

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\  
 Data File : VN060850.D  
 Acq On : 6 Apr 2020 14:50  
 Operator : JC/MD  
 Sample : L2129-24  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

Quant Time: Apr 07 08:08:51 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

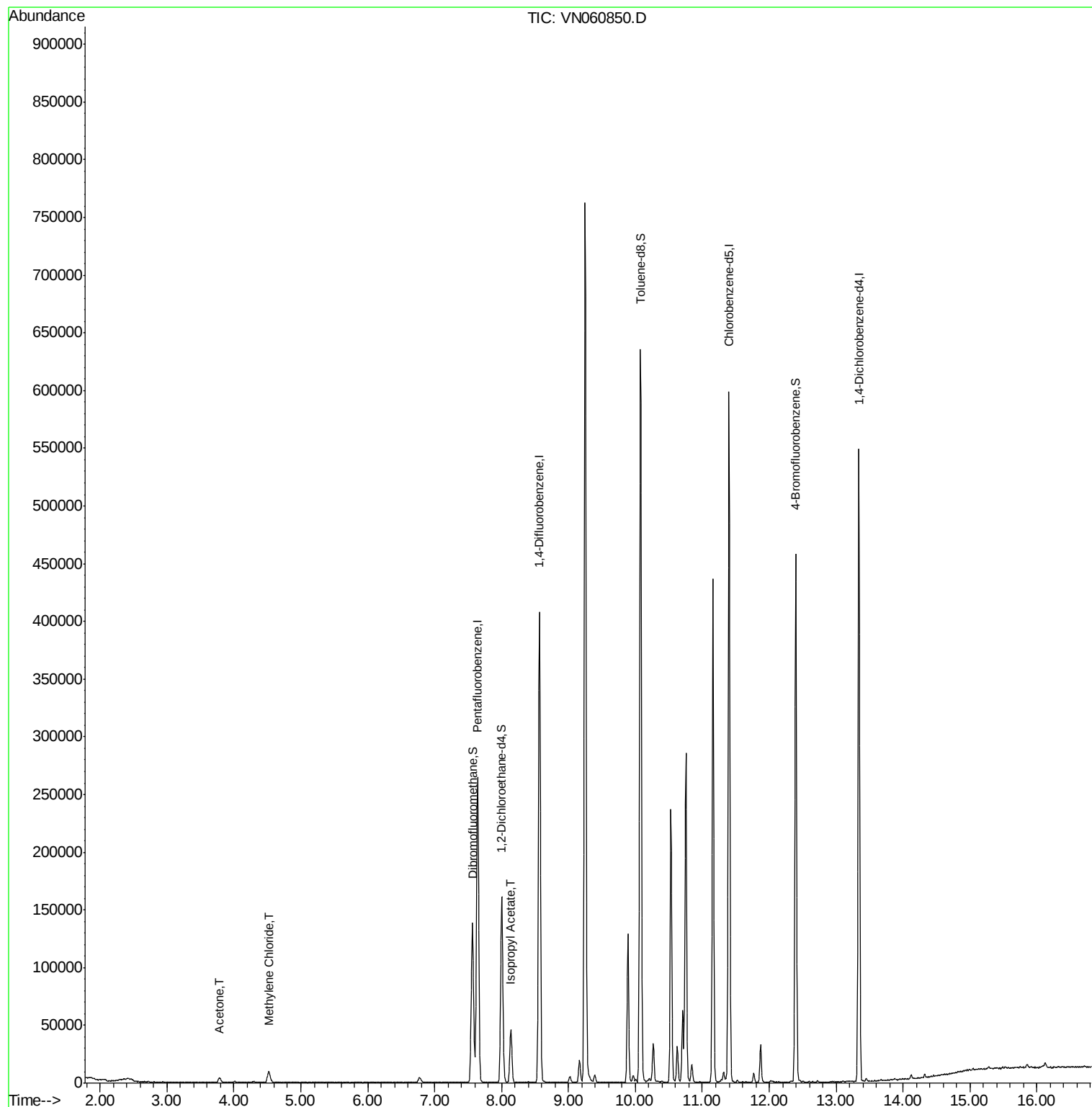
| Internal Standards          | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.64   | 168  | 217208   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.57   | 114  | 358968   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.40  | 117  | 334517   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34  | 152  | 147623   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.00   | 65   | 138517   | 46.45 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 92.90%  |          |
| 35) Dibromofluoromethane    | 7.56   | 113  | 106173   | 48.91 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 97.82%  |          |
| 50) Toluene-d8              | 10.08  | 98   | 440153   | 49.65 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 99.30%  |          |
| 62) 4-Bromofluorobenzene    | 12.40  | 95   | 163287   | 50.25 | ug/l    | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =     | 100.50% |          |
| Target Compounds            |        |      |          |       |         |          |
| 16) Acetone                 | 3.78   | 43   | 8291     | 7.850 | ug/l    | 95       |
| 20) Methylene Chloride      | 4.52   | 84   | 7745     | 2.981 | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.14   | 43   | 54727    | 8.835 | ug/l #  | 91       |

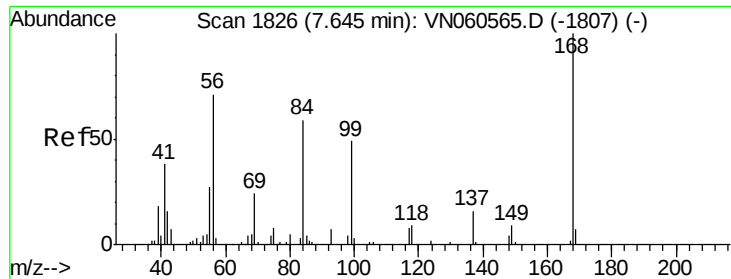
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA\_N

ClientSampled :

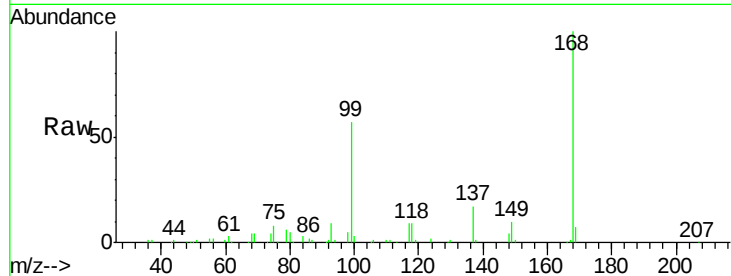
TP-1

Tot Ion:168 Resp: 217208

Ion Ratio Lower Upper

168 100

99 57.0 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060850.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060850.D (-1733) (-)

7.64

80000

60000

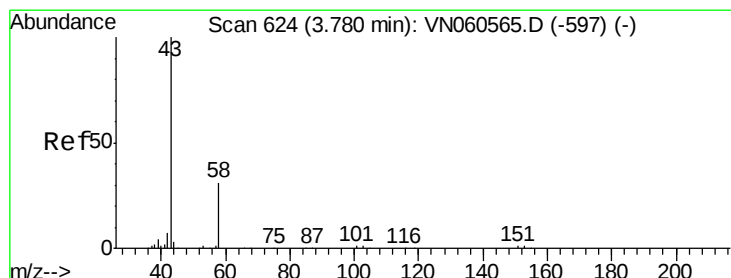
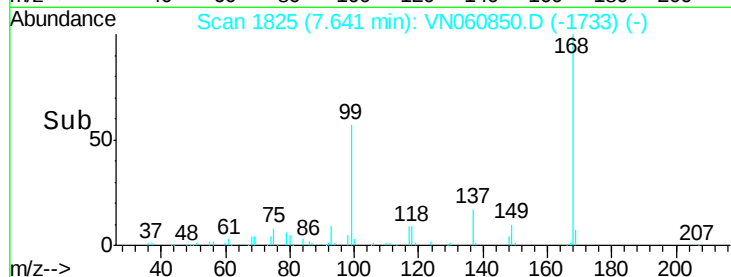
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.850 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060850.D

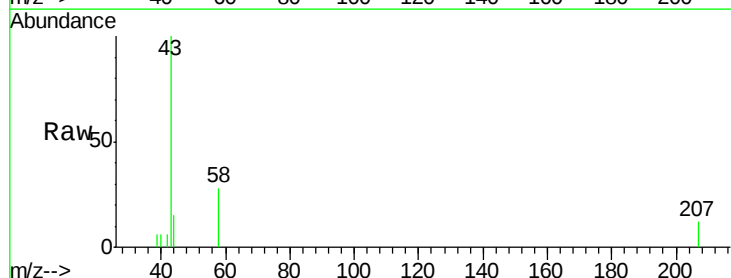
Acq: 6 Apr 2020 14:50

Tgt Ion: 43 Resp: 8291

Ion Ratio Lower Upper

43 100

58 28.5 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060850.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060850.D (-531) (-)

3.78

3000

2500

2000

1500

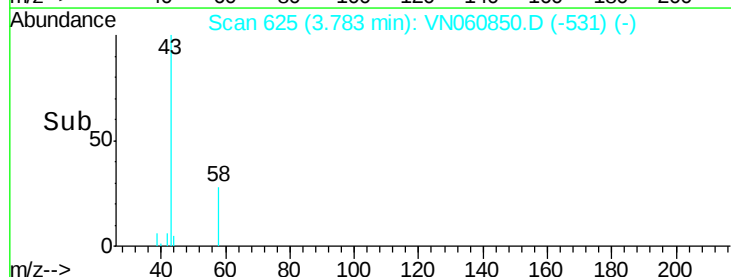
1000

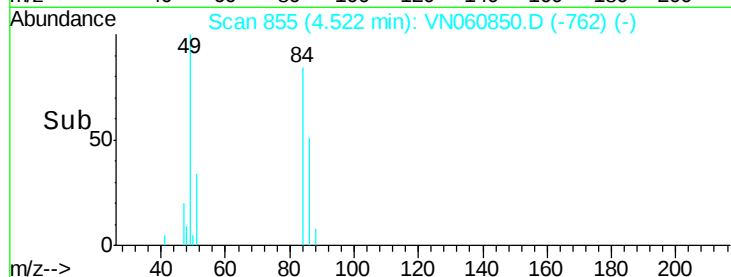
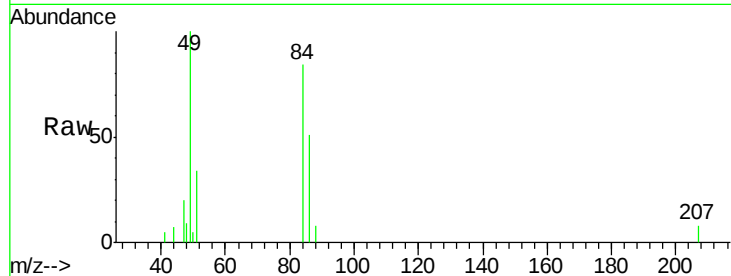
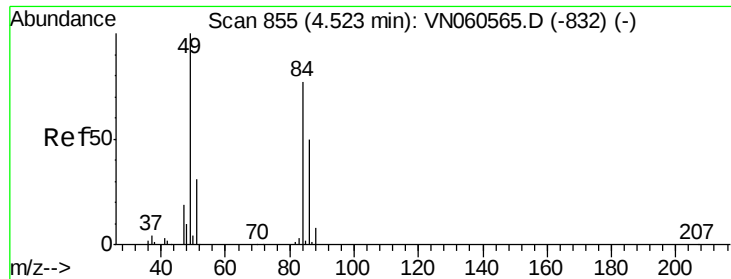
500

0

3.70 3.80 3.90

Time-->

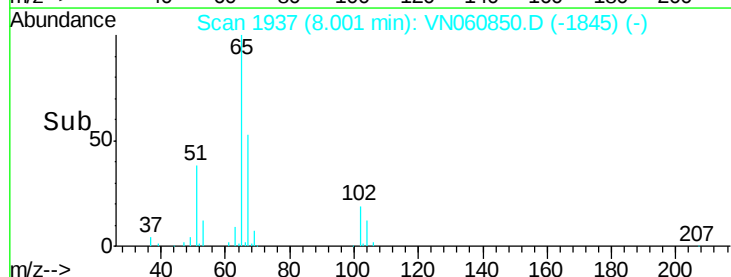
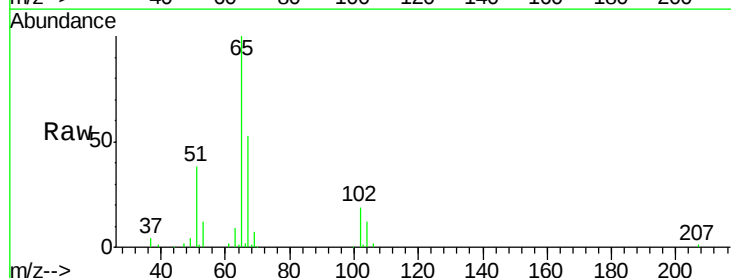
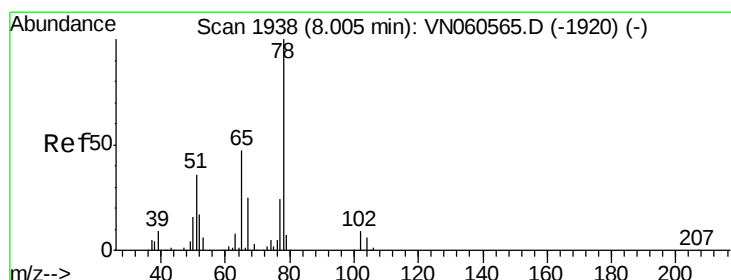
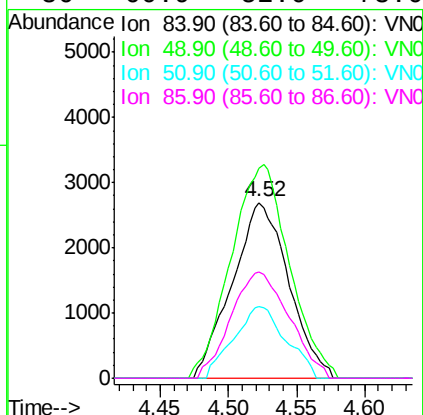




#20  
Methylene Chloride  
Concen: 2.981 ug/l  
RT: 4.52 min Scan# 855  
Delta R.T. -0.00 min  
Lab File: VN060850.D  
Acq: 6 Apr 2020 14:50

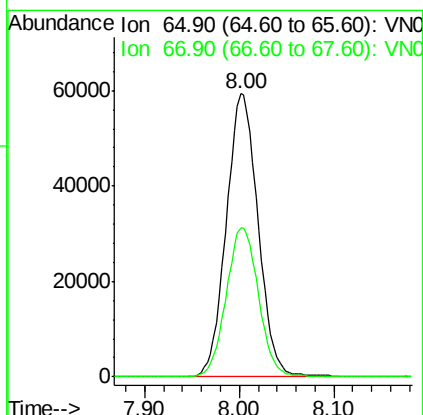
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-1

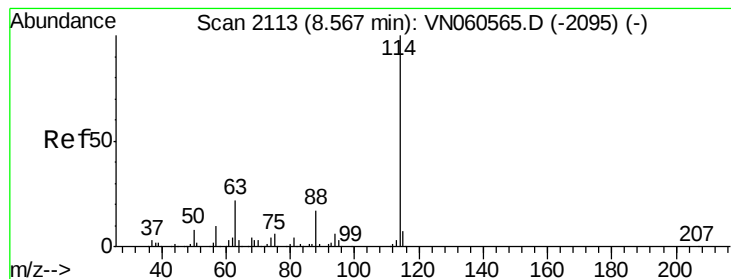
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 7745  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 119.3 | 103.3 | 154.9 |
| 51       | 40.6  | 31.6  | 47.4  |
| 86       | 60.9  | 52.0  | 78.0  |



#33  
1,2-Dichloroethane-d4  
Concen: 46.455 ug/l  
RT: 8.00 min Scan# 1937  
Delta R.T. -0.00 min  
Lab File: VN060850.D  
Acq: 6 Apr 2020 14:50

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 138517 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 53.5  | 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: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

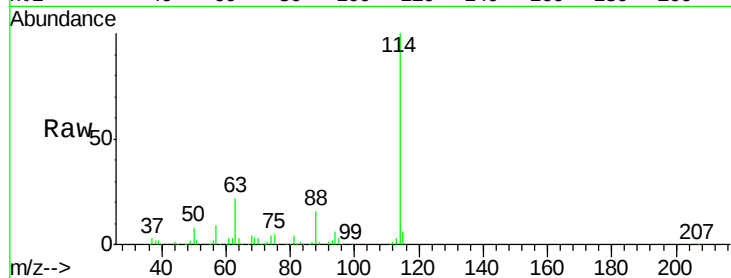
Tot Ion:114 Resp: 358968

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

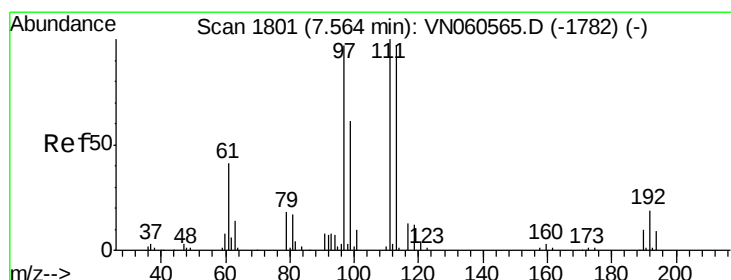
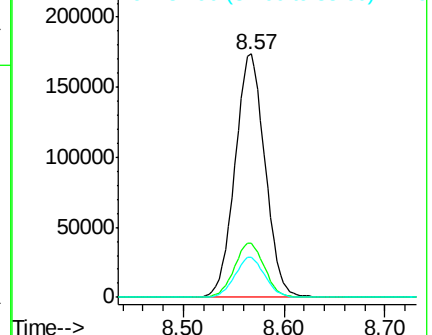
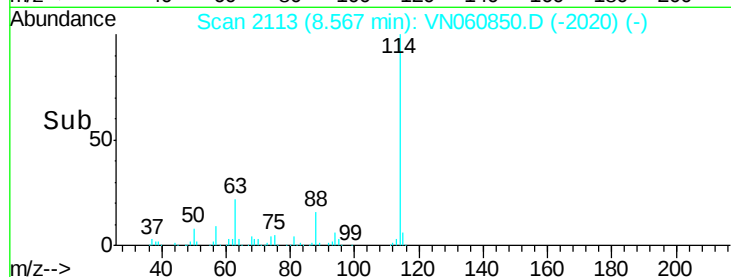
88 16.5 0.0 33.0



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: 48.915 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

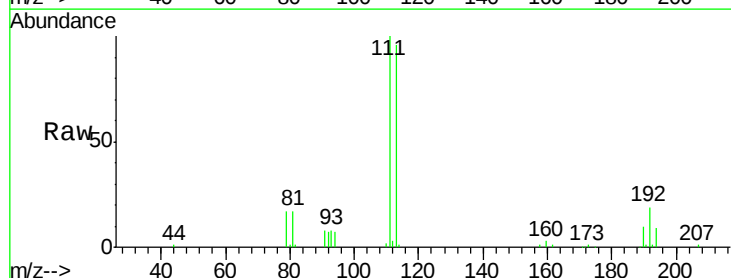
Tgt Ion:113 Resp: 106173

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

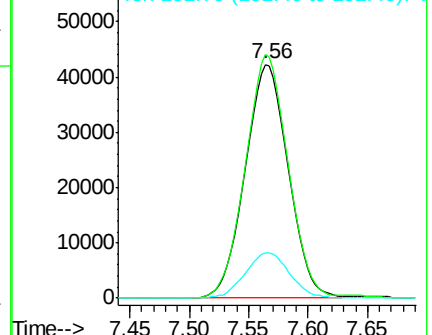
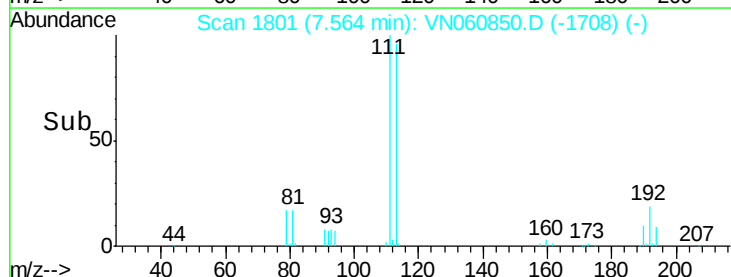
192 19.9 15.8 23.8

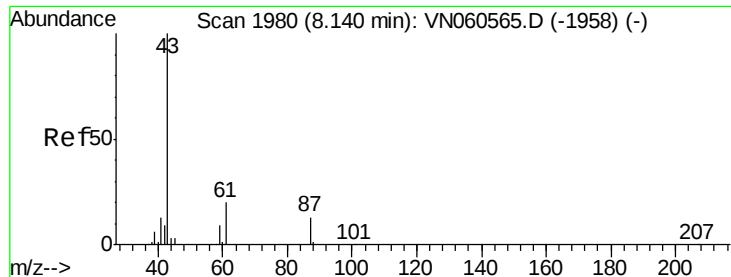


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.835 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

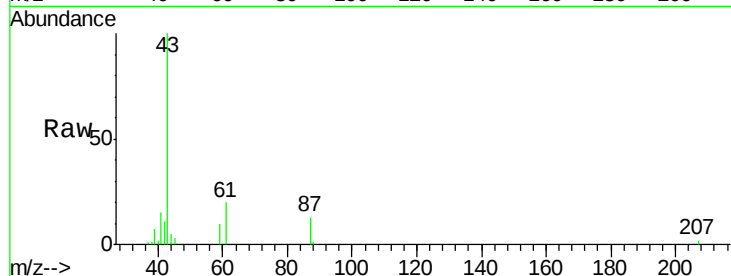
Tot Ion: 43 Resp: 54727

Ion Ratio Lower Upper

43 100

61 19.2 20.7 31.1#

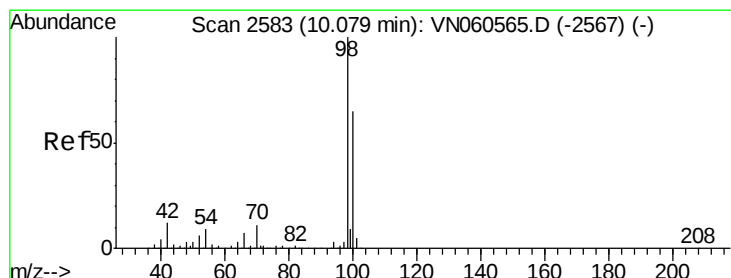
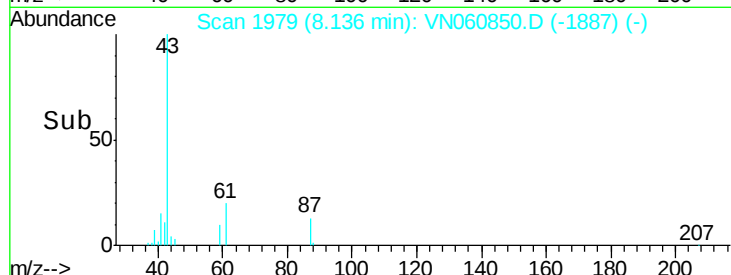
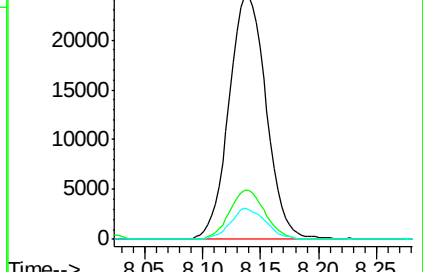
87 11.9 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060850.D (-1958) (-)

Ion 61.00 (60.70 to 61.70): VN060850.D (-1958) (-)

Ion 87.00 (86.70 to 87.70): VN060850.D (-1958) (-)



#50

Toluene-d8

Concen: 49.646 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060850.D

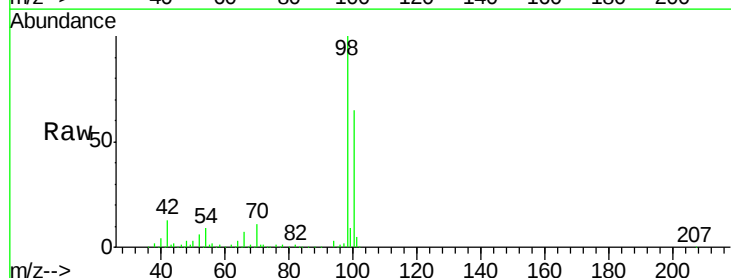
Acq: 6 Apr 2020 14:50

Tgt Ion: 98 Resp: 440153

Ion Ratio Lower Upper

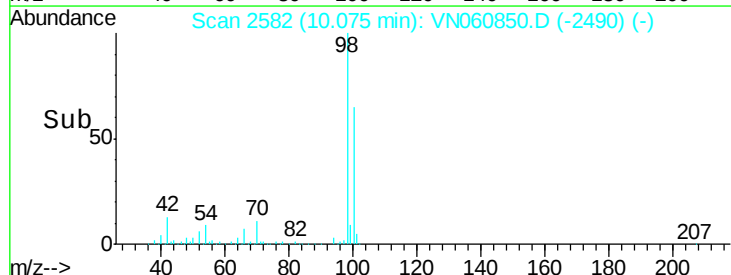
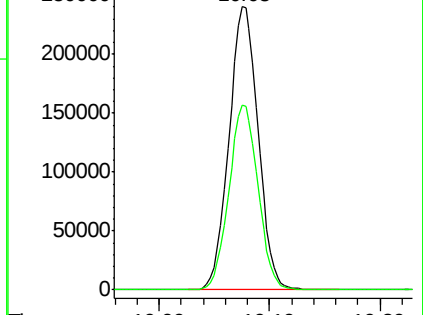
98 100

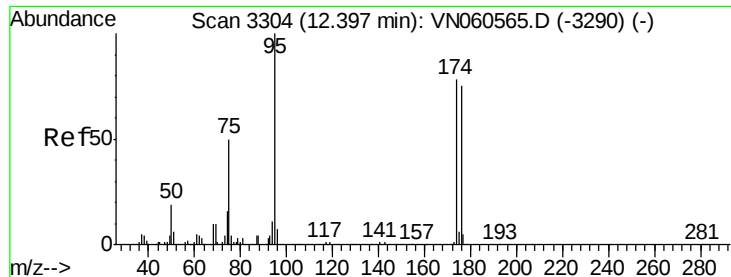
100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060850.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN060850.D (-2567) (-)

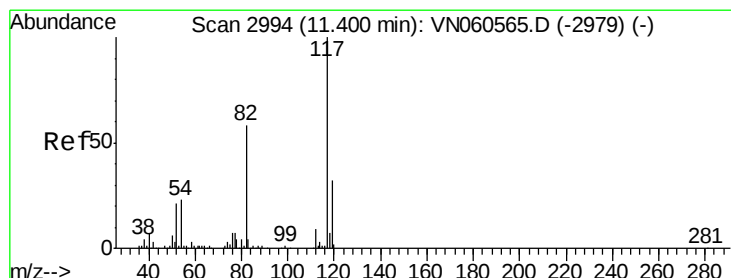
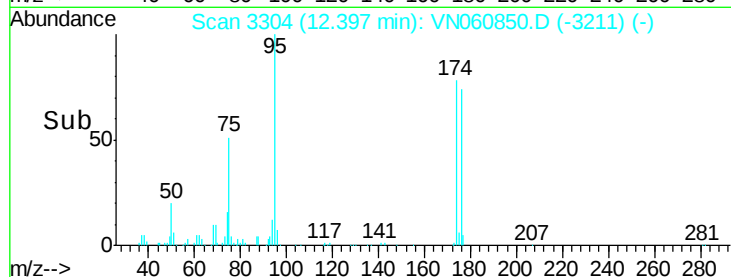
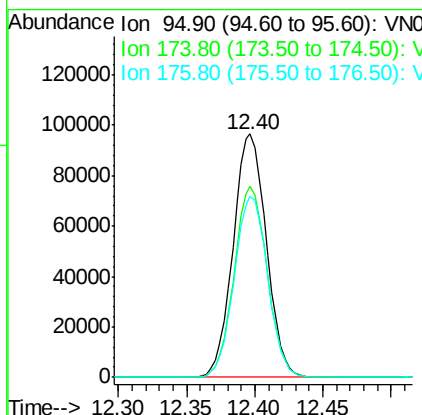
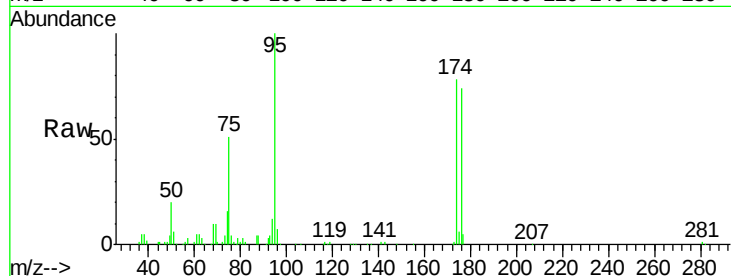




#62  
4-Bromofluorobenzene  
Concen: 50.254 ug/l  
RT: 12.40 min Scan# 3304  
Delta R.T. -0.00 min  
Lab File: VN060850.D  
Acq: 6 Apr 2020 14:50

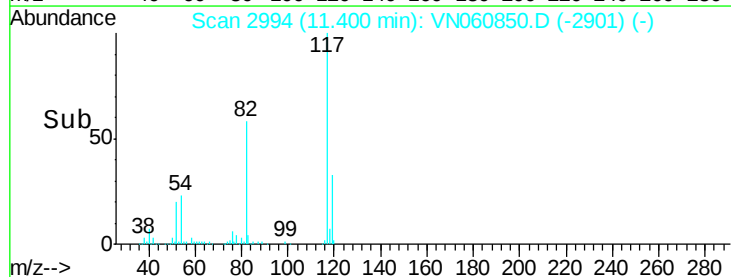
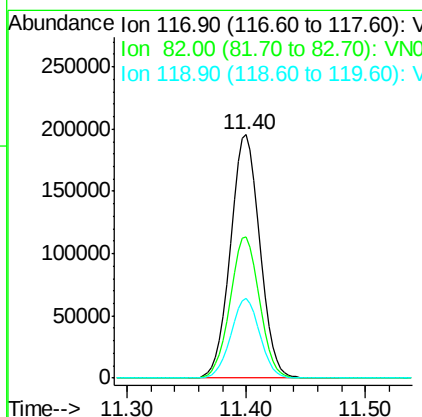
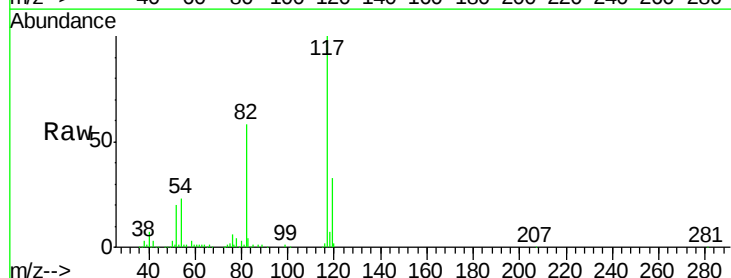
Instrument :  
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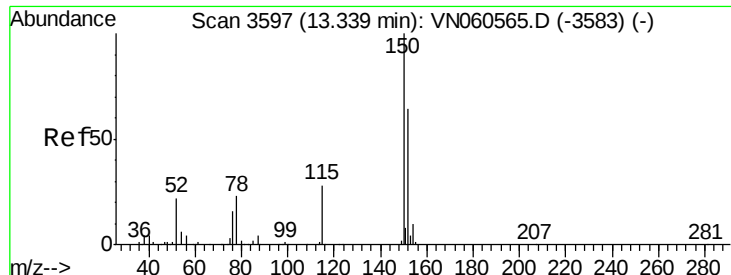
Tot Ion: 95 Resp: 163287  
Ion Ratio Lower Upper  
95 100  
174 78.0 0.0 157.6  
176 75.0 0.0 150.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.40 min Scan# 2994  
Delta R.T. -0.00 min  
Lab File: VN060850.D  
Acq: 6 Apr 2020 14:50

Tgt Ion: 117 Resp: 334517  
Ion Ratio Lower Upper  
117 100  
82 58.0 46.7 70.1  
119 32.6 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: VN060850.D

Acq: 6 Apr 2020 14:50

Instrument :

MSVOA\_N

ClientSampleId :

TP-1

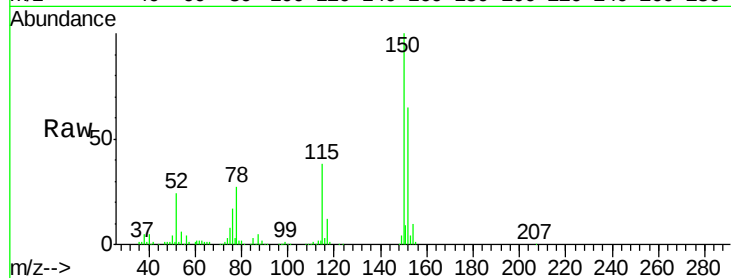
Tot Ion:152 Resp: 147623

Ion Ratio Lower Upper

152 100

115 59.0 30.2 90.6

150 156.3 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

