

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080720\  
 Data File : VN062784.D  
 Acq On : 7 Aug 2020 17:16  
 Operator : JC/MD  
 Sample : PB130790ZHE#01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB130790ZHE#01

Manual Integrations  
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 8/10/2020 12:24:38 PM

Quant Time: Aug 08 02:44:12 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  | 133858   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 238517   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 254552   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 87011    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 114682   | 51.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.62% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 83087    | 50.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.84% |          |
| 50) Toluene-d8              | 10.06 | 98   | 324427   | 50.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.86% |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 116043   | 48.21  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.42%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 11709    | 14.639 | ug/l    | 99       |
| 20) Methylene Chloride      | 4.50  | 84   | 13179m   | 8.370  | ug/l    |          |
| 43) Isopropyl Acetate       | 8.13  | 43   | 48042    | 11.872 | ug/l    | 97       |

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

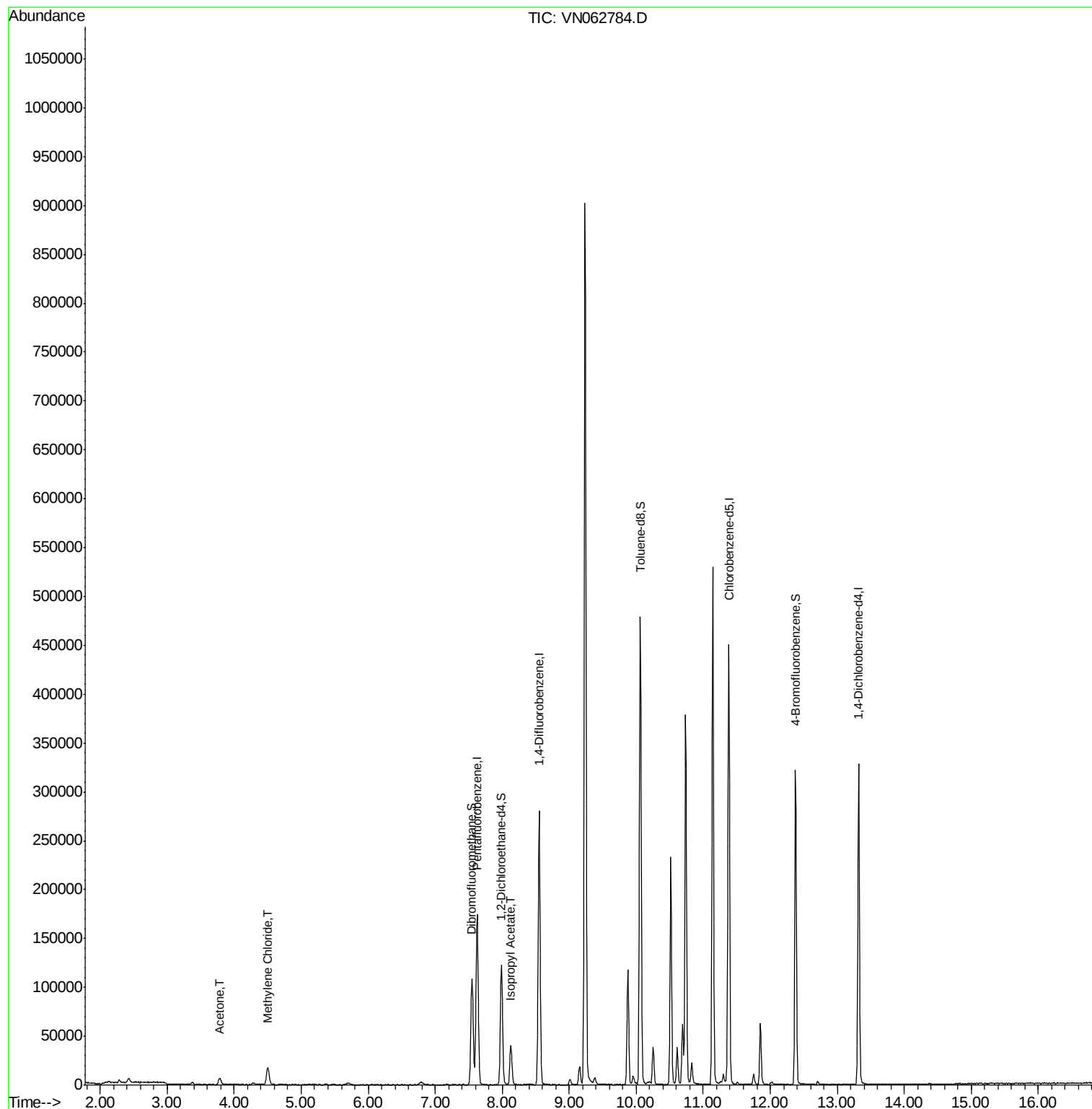
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080720\  
Data File : VN062784.D  
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ALS Vial : 19 Sample Multiplier: 1

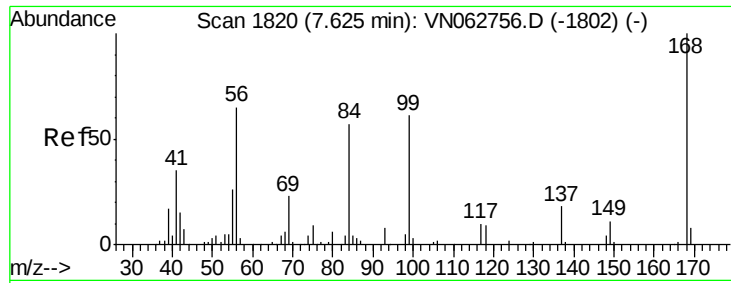
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130790ZHE#01

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Quant Time: Aug 08 02:44:12 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA\_N

ClientSampleId :

PB130790ZHE#01

Tot Ion:168 Resp: 133858

Ion Ratio Lower Upper

168 100

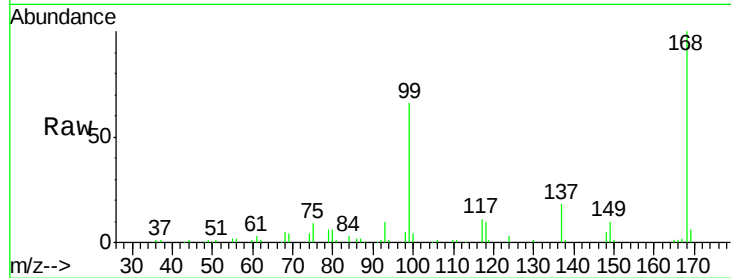
99 65.9 52.9 79.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

50000

40000

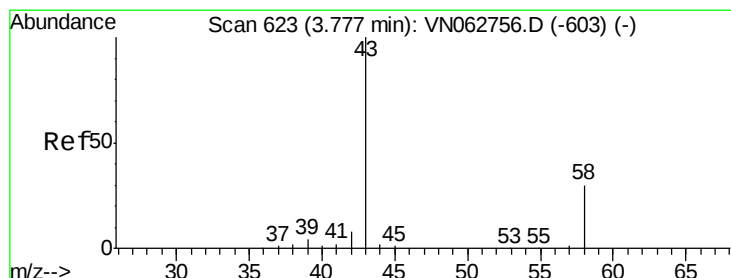
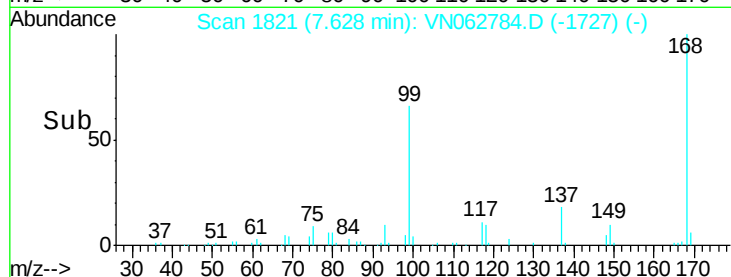
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 14.639 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN062784.D

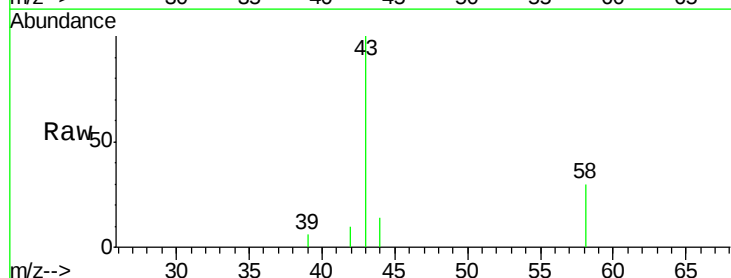
Acq: 7 Aug 2020 17:16

Tgt Ion: 43 Resp: 11709

Ion Ratio Lower Upper

43 100

58 30.5 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

5000

4000

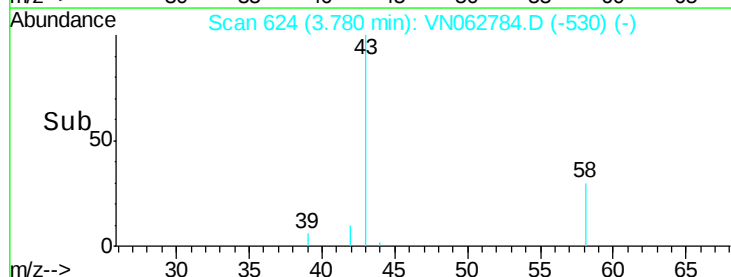
3000

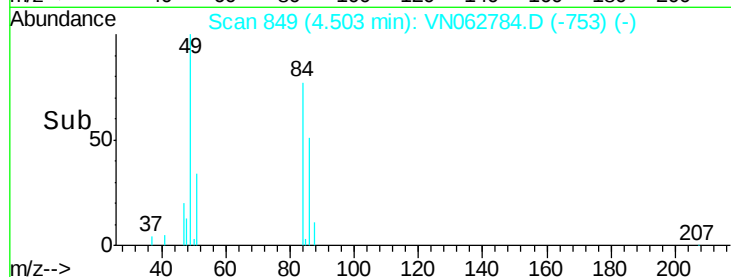
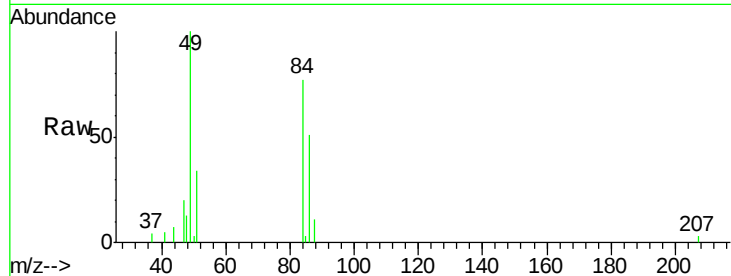
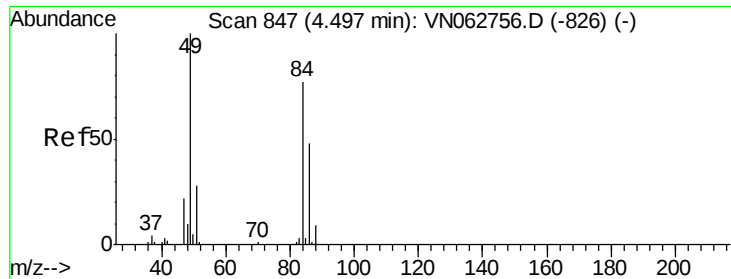
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





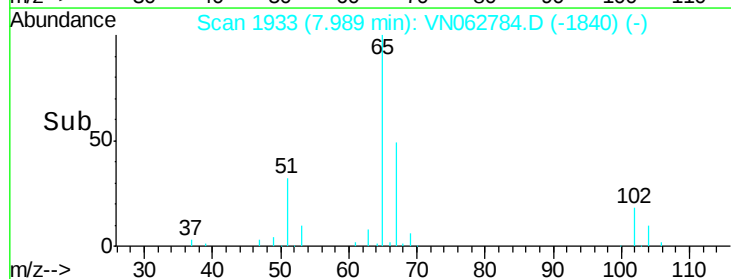
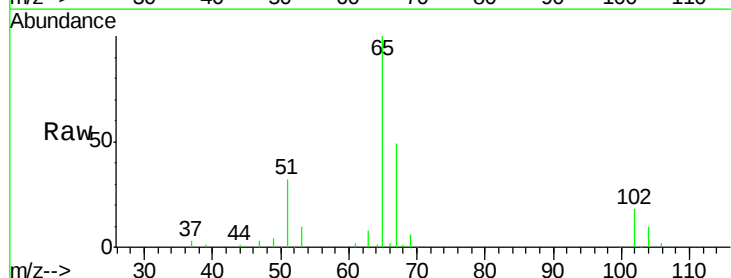
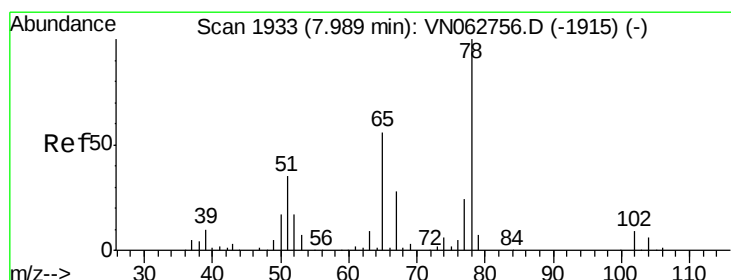
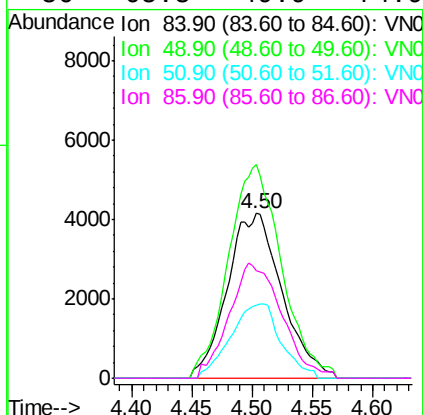
#20  
Methvlene Chloride  
Concen: 8.370 ug/l m  
RT: 4.50 min Scan# 849  
Delta R.T. 0.01 min  
Lab File: VN062784.D  
Acq: 7 Aug 2020 17:16

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 84      | 100   |       |       |
| 49      | 129.8 | 103.4 | 155.2 |
| 51      | 44.6  | 29.3  | 43.9# |
| 86      | 65.8  | 49.9  | 74.9  |

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130790ZHE#01

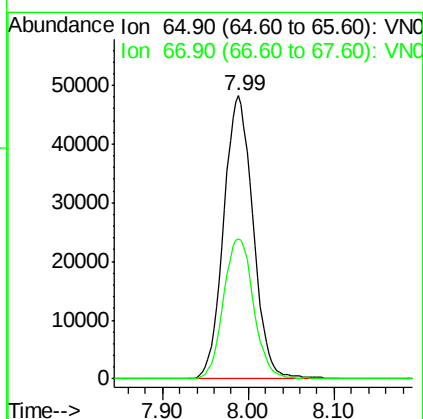
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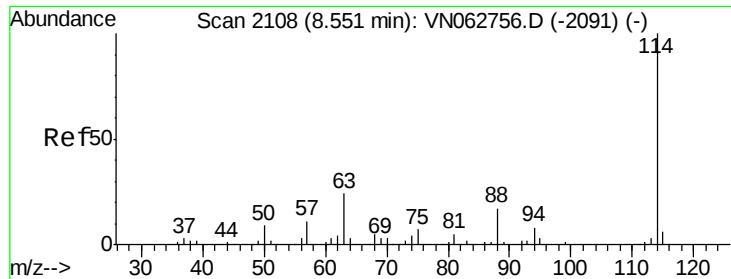
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#33  
1,2-Dichloroethane-d4  
Concen: 51.808 ug/l  
RT: 7.99 min Scan# 1933  
Delta R.T. -0.00 min  
Lab File: VN062784.D  
Acq: 7 Aug 2020 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.4  | 0.0   | 101.4 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA\_N

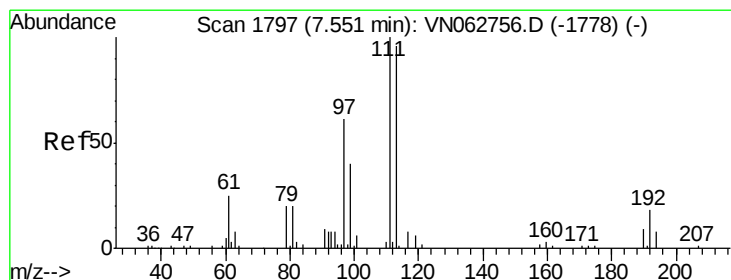
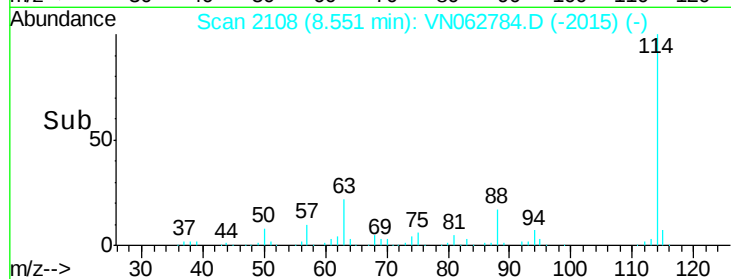
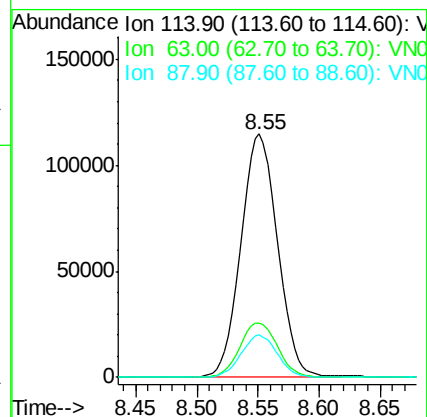
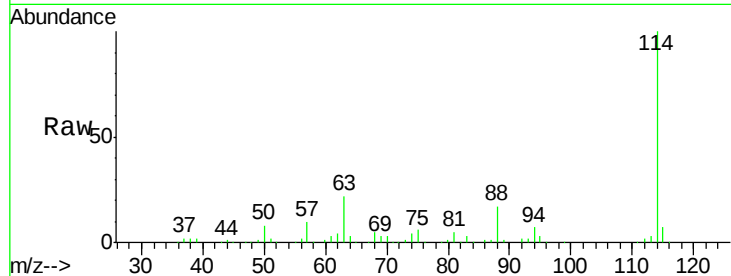
ClientSampleId :

PB130790ZHE#01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 114   | Resp: | 238517 |
| Ion Ratio | Lower | Upper |        |
| 114       | 100   |       |        |
| 63        | 22.3  | 0.0   | 47.6   |
| 88        | 17.3  | 0.0   | 34.4   |

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#35

Dibromofluoromethane

Concen: 50.924 ug/l

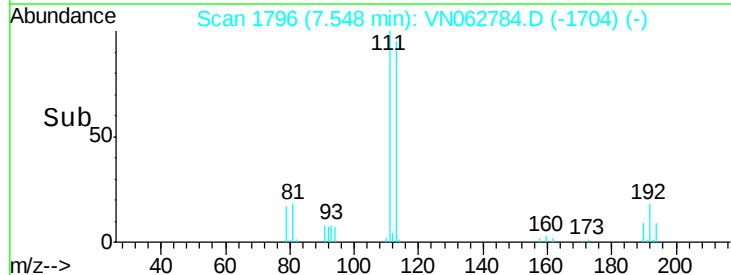
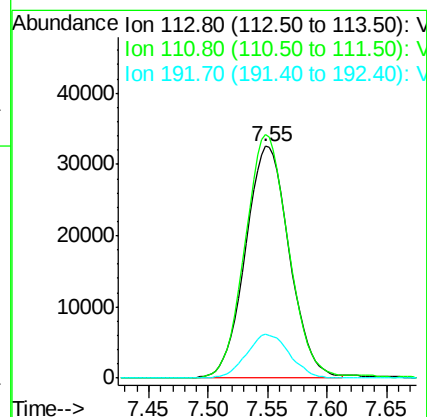
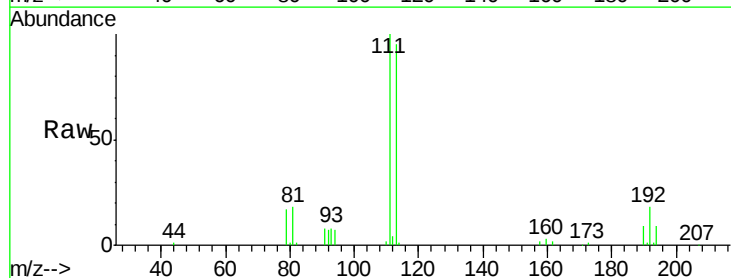
RT: 7.55 min Scan# 1796

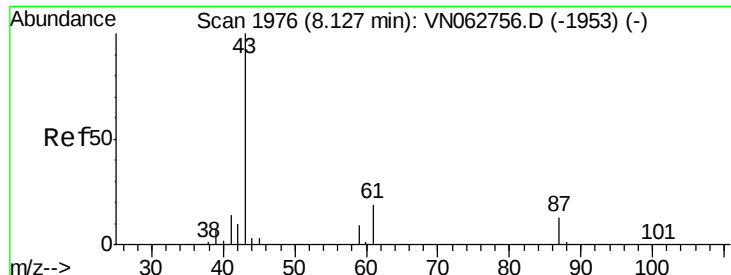
Delta R.T. -0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 83087 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 103.7 | 81.8  | 122.6 |
| 192       | 18.6  | 15.0  | 22.4  |





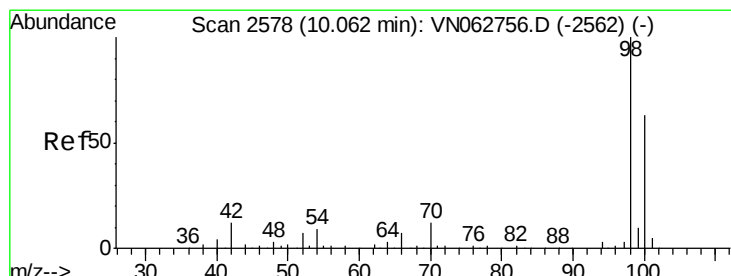
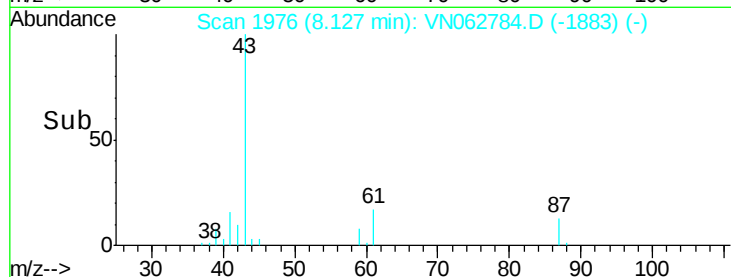
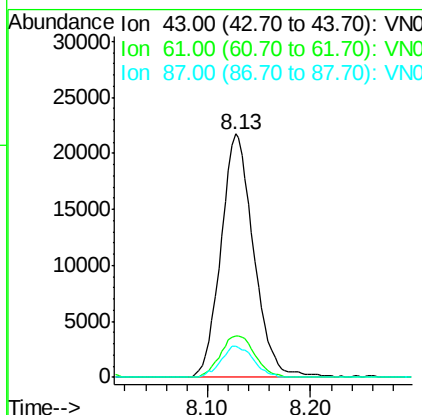
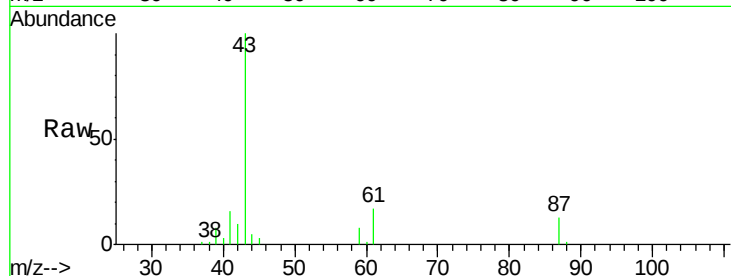
#43  
Isopropyl Acetate  
Concen: 11.872 ug/l  
RT: 8.13 min Scan# 1976  
Delta R.T. -0.00 min  
Lab File: VN062784.D  
Acq: 7 Aug 2020 17:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB130790ZHE#01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.0  | 15.8  | 23.6  |
| 87      | 12.7  | 9.9   | 14.9  |

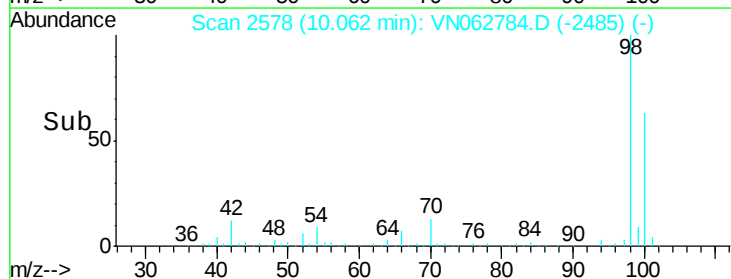
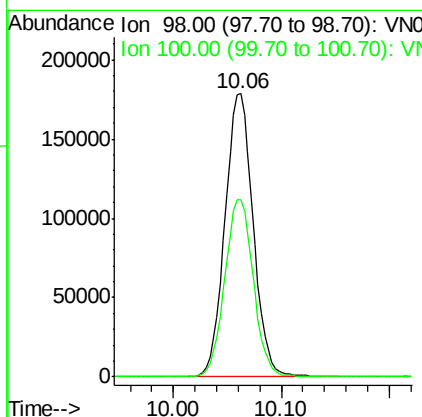
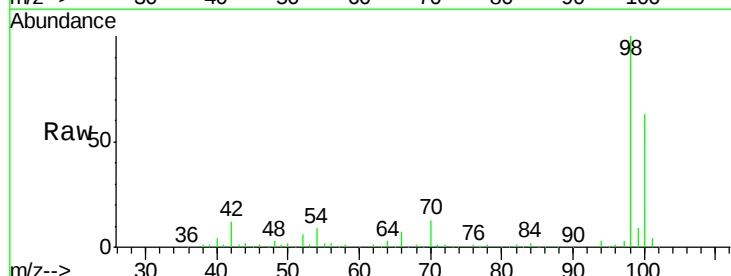
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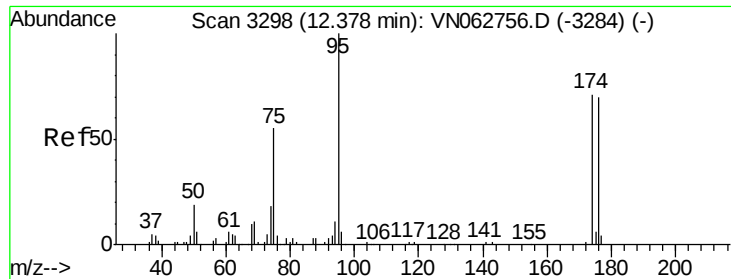
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#50  
Toluene-d8  
Concen: 50.932 ug/l  
RT: 10.06 min Scan# 2578  
Delta R.T. -0.00 min  
Lab File: VN062784.D  
Acq: 7 Aug 2020 17:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.5  | 50.9  | 76.3  |





#62

4-Bromofluorobenzene

Concen: 48.207 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

Instrument :

MSVOA\_N

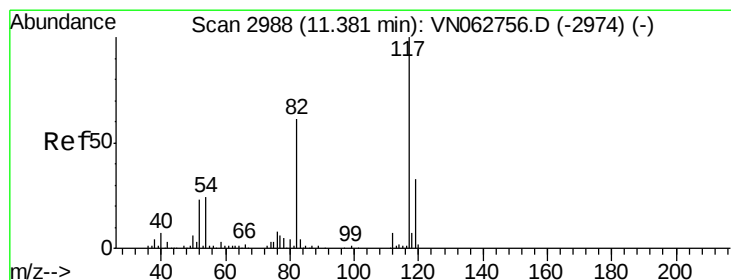
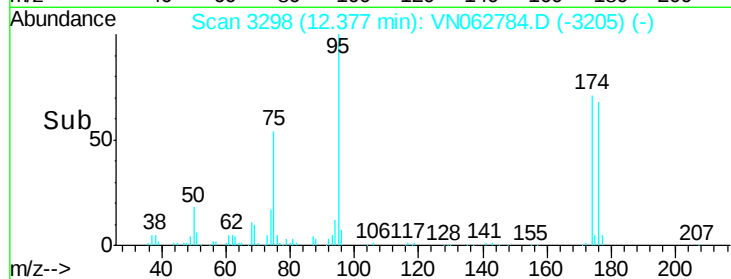
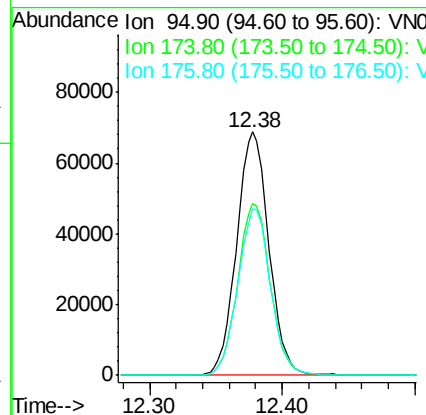
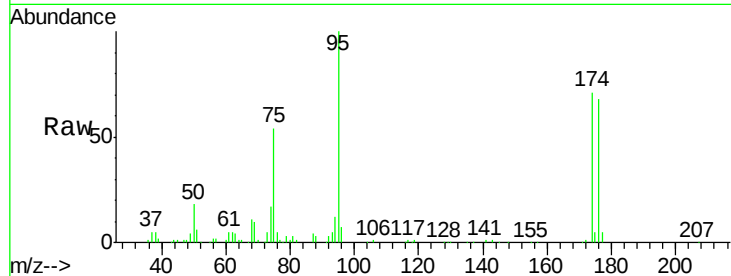
ClientSampleId :

PB130790ZHE#01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 95    | Resp: | 116043 |
| Ion Ratio | Lower | Upper |        |
| 95        | 100   |       |        |
| 174       | 71.6  | 0.0   | 144.8  |
| 176       | 69.8  | 0.0   | 142.2  |

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

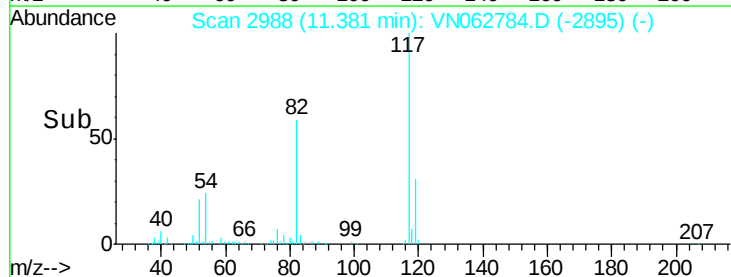
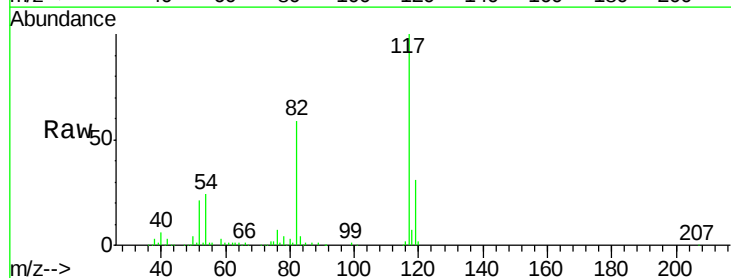
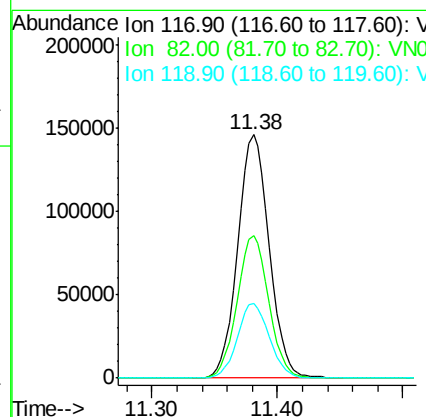
RT: 11.38 min Scan# 2988

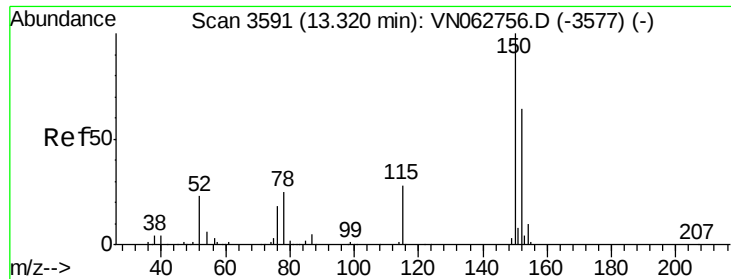
Delta R.T. -0.00 min

Lab File: VN062784.D

Acq: 7 Aug 2020 17:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 254552 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 58.5  | 49.0  | 73.4   |
| 119       | 30.6  | 26.2  | 39.2   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN062784.D

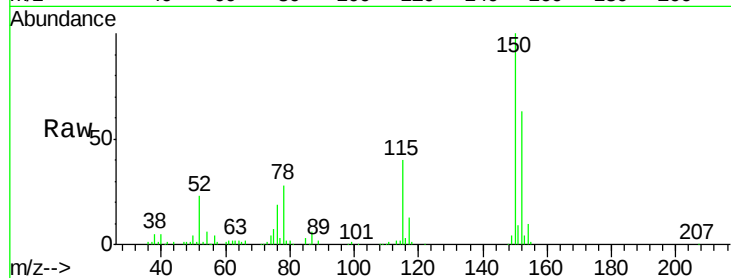
Acq: 7 Aug 2020 17:16

Instrument :

MSVOA\_N

ClientSampleId :

PB130790ZHE#01



Tot Ion:152 Resp: 87011

Ion Ratio Lower Upper

152 100

115 62.9 31.6 94.8

150 159.5 0.0 349.2

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