

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\  
 Data File : VN064588.D  
 Acq On : 12 Nov 2020 18:02  
 Operator : JC/MD  
 Sample : L4701-17  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRANSFORMER-5-2-TOP

Manual Integrations  
 APPROVED

MMDadoda  
 11/13/2020 11:42:46 AM

Quant Time: Nov 13 03:49:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 04 12:09:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 231078   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 510375   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 532444   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 188522   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 235409   | 58.49  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.98% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 172783   | 49.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.44%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 652247   | 48.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 243770   | 47.99  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.98%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 16118    | 10.513 | ug/l    | 94       |
| 18) Methyl Acetate          | 4.30  | 43   | 8004m    | 2.655  | ug/l    |          |
| 20) Methylene Chloride      | 4.51  | 84   | 9008     | 2.961  | ug/l    | 85       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 91632    | 10.487 | ug/l    | 99       |

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

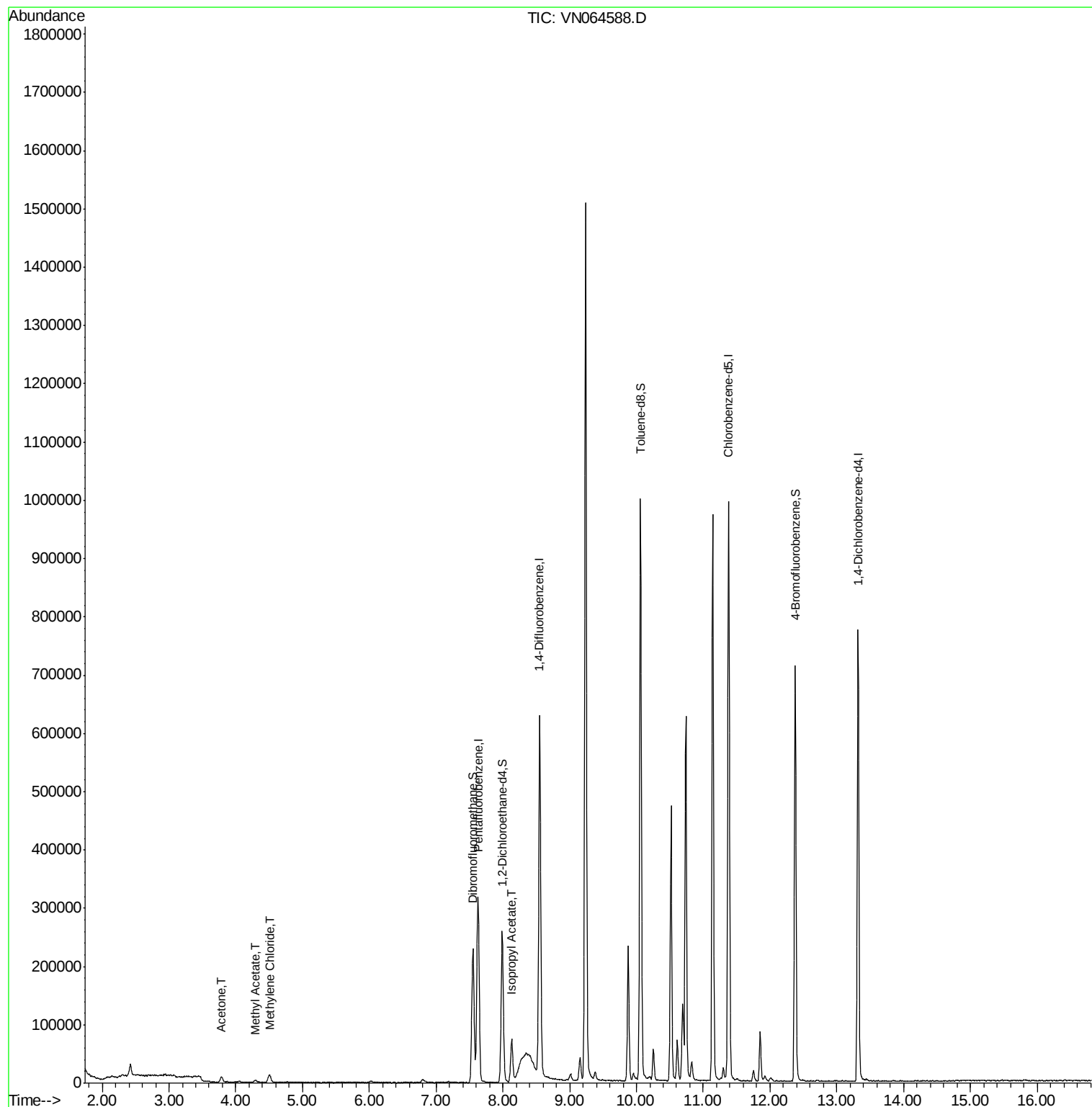
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\  
Data File : VN064588.D  
Acq On : 12 Nov 2020 18:02  
Operator : JC/MD  
Sample : L4701-17  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 19 Sample Multiplier: 1

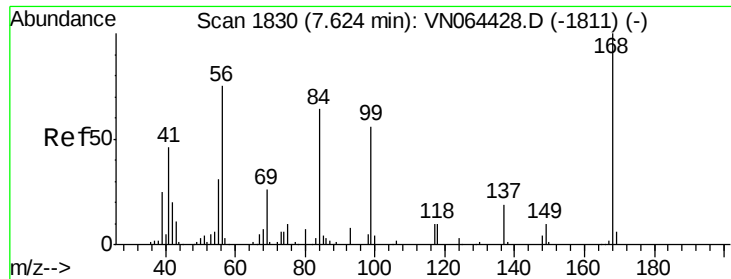
Instrument :  
MSVOA\_N  
ClientSampleId :  
TRANSFORMER-5-2-TOP

Manual Integrations  
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11/13/2020 11:42:46 AM

Quant Time: Nov 13 03:49:31 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 04 12:09:03 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064588.D

Acq: 12 Nov 2020 18:02

Instrument :

MSVOA\_N

ClientSampleId :

TRANSFORMER-5-2-TOP

Tot Ion:168 Resp: 231078

Ion Ratio Lower Upper

168 100

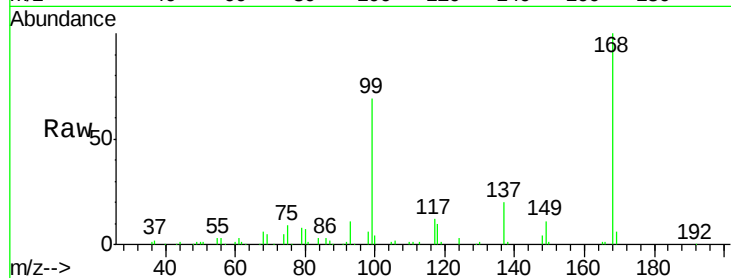
99 69.5 53.4 80.2

Manual Integrations

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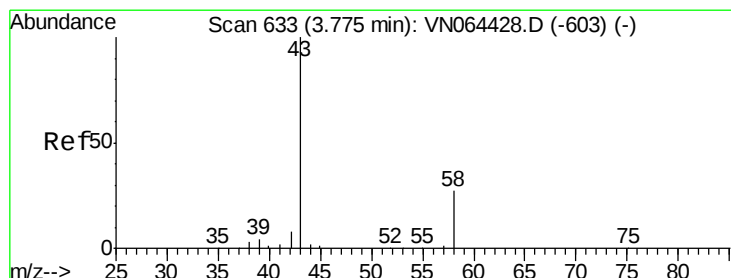
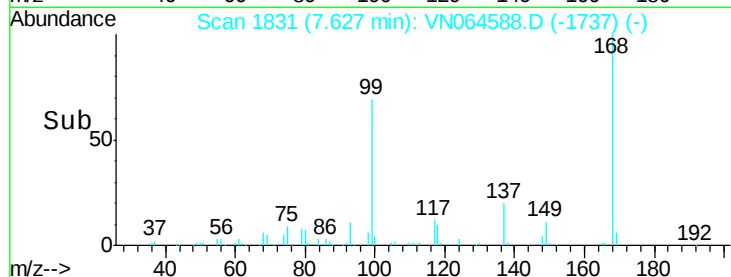
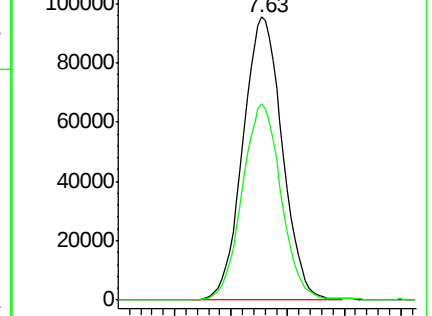
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 10.513 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064588.D

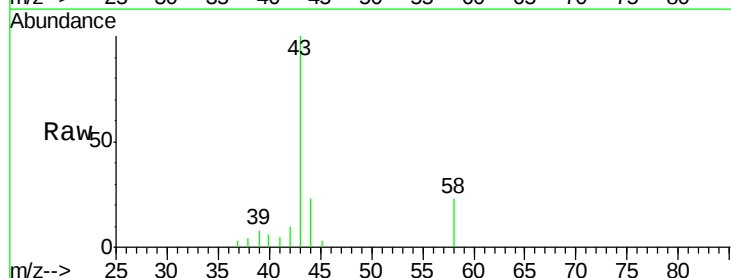
Acq: 12 Nov 2020 18:02

Tgt Ion: 43 Resp: 16118

Ion Ratio Lower Upper

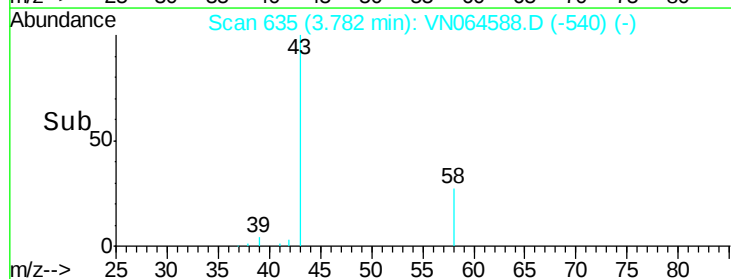
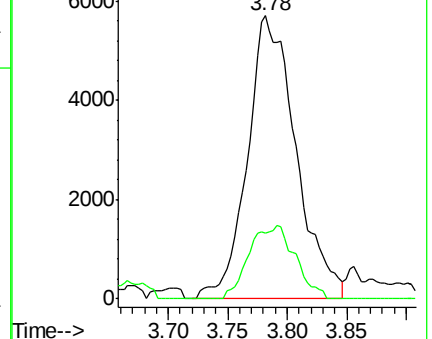
43 100

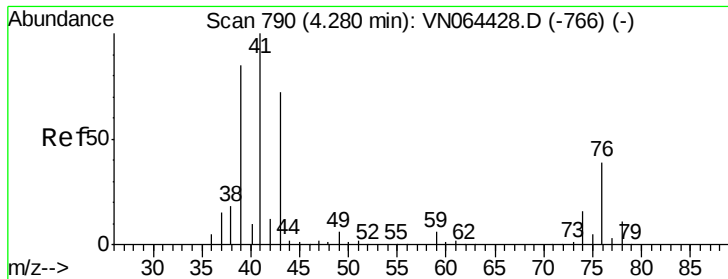
58 23.4 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





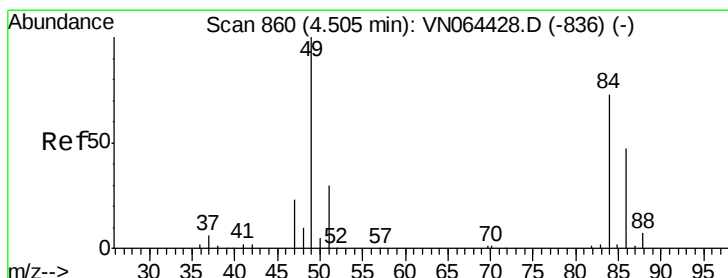
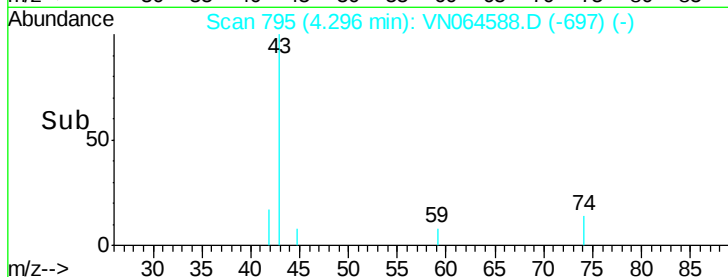
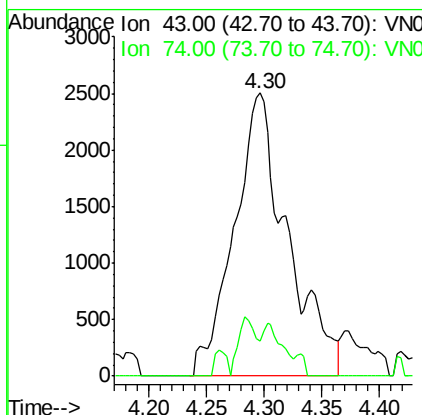
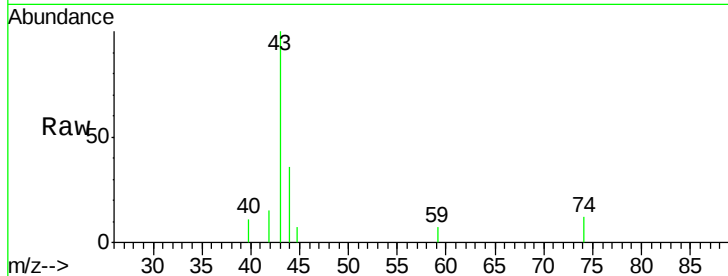
#18  
Methyl Acetate  
Concen: 2.655 ug/l m  
RT: 4.30 min Scan# 795  
Delta R.T. 0.02 min  
Lab File: VN064588.D  
Acq: 12 Nov 2020 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRANSFORMER-5-2-TOP

Tot Ion: 43 Resp: 8004  
Ion Ratio Lower Upper  
43 100  
74 4.2 17.0 25.4#

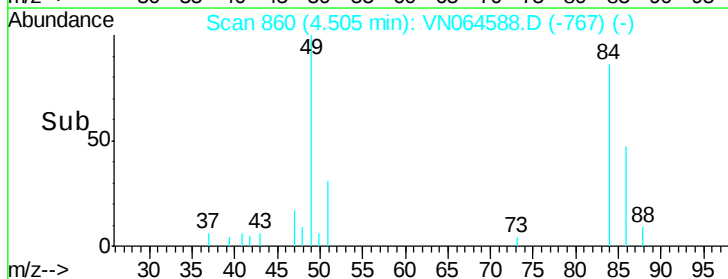
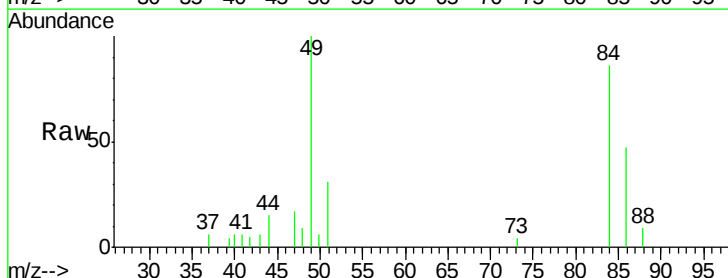
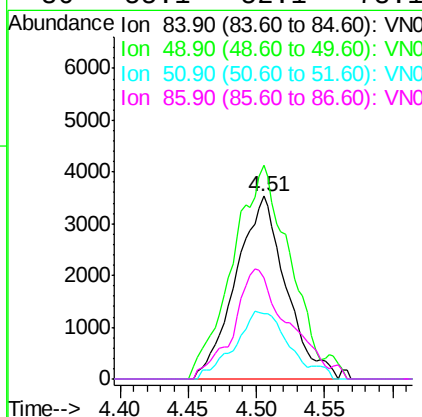
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#20  
Methylene Chloride  
Concen: 2.961 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VN064588.D  
Acq: 12 Nov 2020 18:02

Tgt Ion: 84 Resp: 9008  
Ion Ratio Lower Upper  
84 100  
49 116.8 110.1 165.1  
51 35.9 33.6 50.4  
86 55.1 52.1 78.1





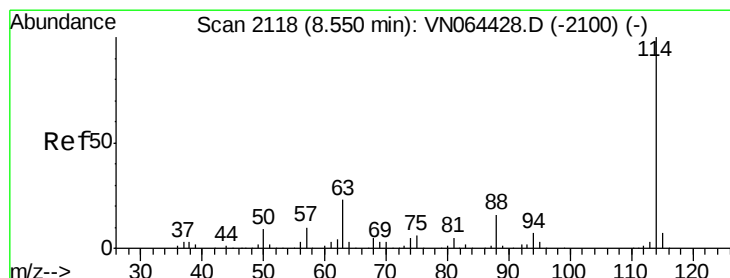
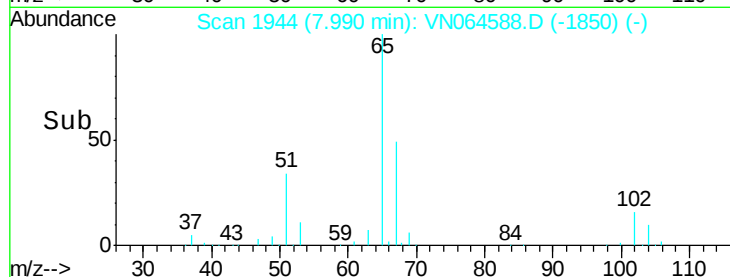
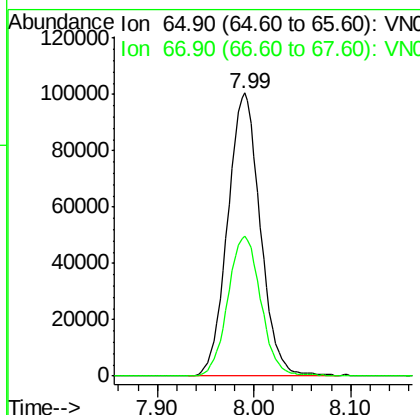
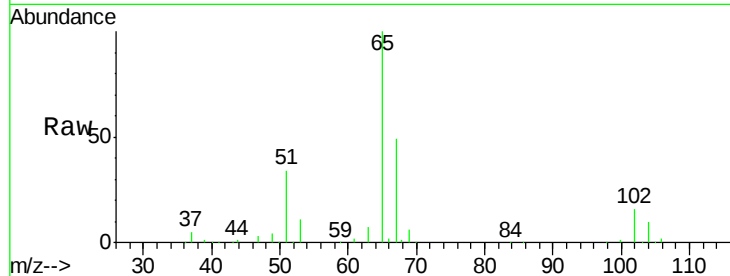
#33  
 1,2-Dichloroethane-d4  
 Concen: 58.486 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN064588.D  
 Acq: 12 Nov 2020 18:02

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TRANSFORMER-5-2-TOP

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 235409 |       |       |
| 67      | 50.1  | 0.0    | 101.6 |       |

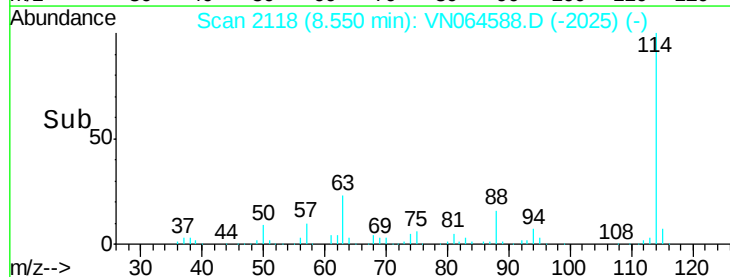
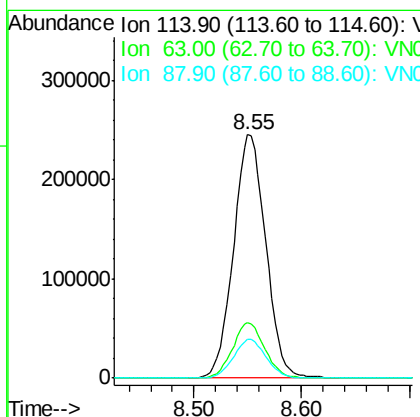
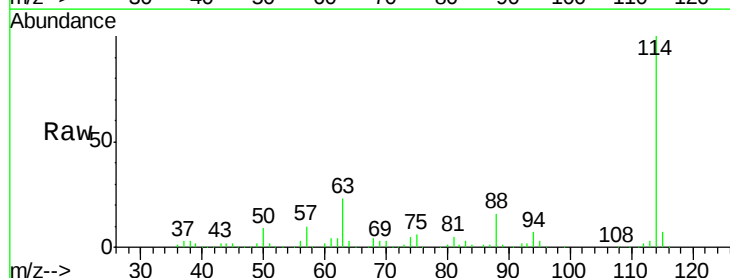
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN064588.D  
 Acq: 12 Nov 2020 18:02

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 510375 |       |       |
| 63      | 22.9  | 0.0    | 45.6  |       |
| 88      | 16.1  | 0.0    | 32.8  |       |





#35

Dibromofluoromethane

Concen: 49.722 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN064588.D

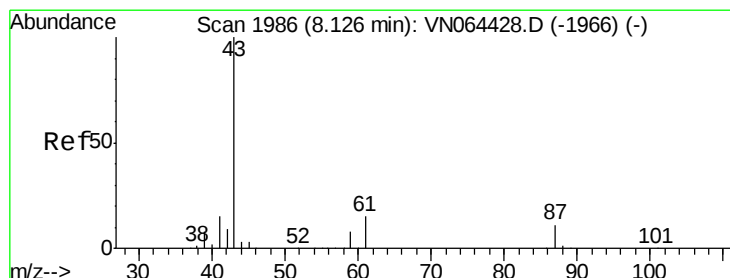
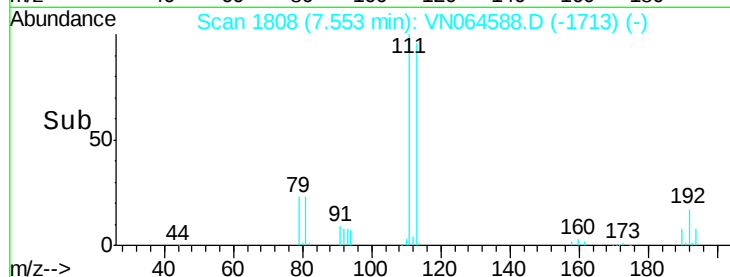
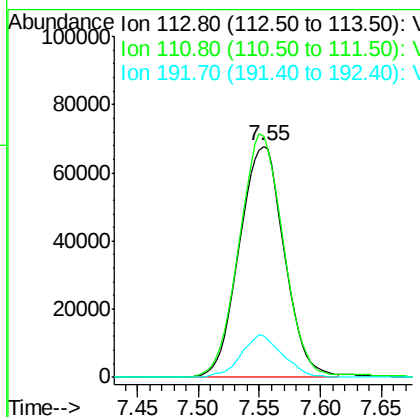
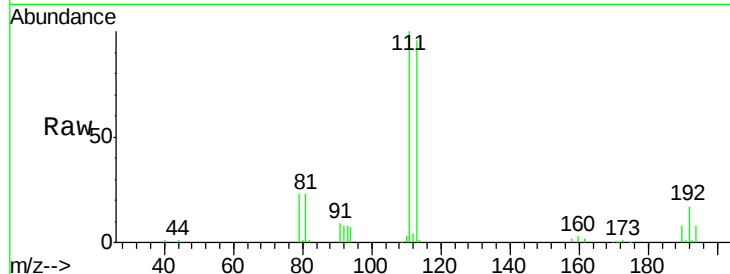
Acq: 12 Nov 2020 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRANSFORMER-5-2-TOP

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 172783 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.5 | 81.1  | 121.7  |
| 192      | 16.9  | 12.8  | 19.2   |

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#43

Isopropyl Acetate

Concen: 10.487 ug/l

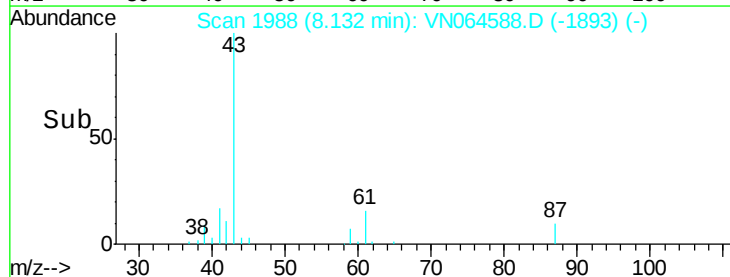
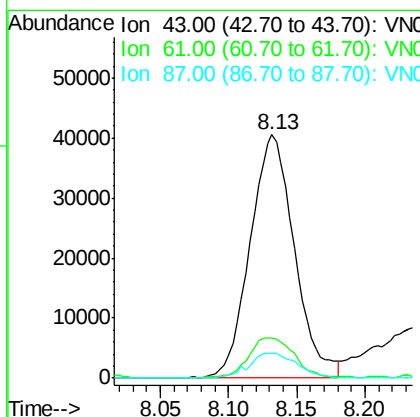
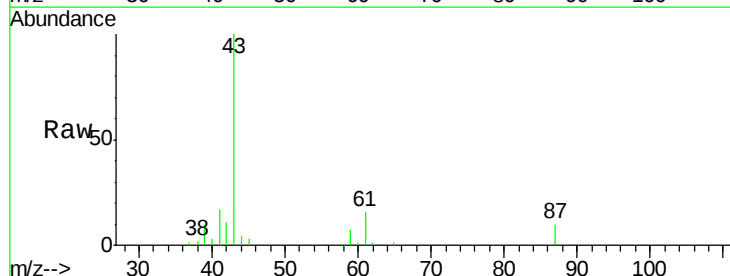
RT: 8.13 min Scan# 1988

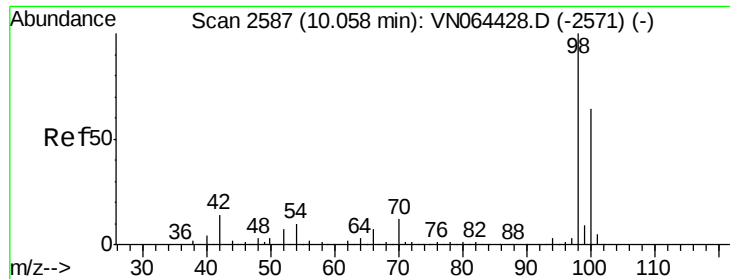
Delta R.T. 0.01 min

Lab File: VN064588.D

Acq: 12 Nov 2020 18:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 91632 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 17.0  | 14.0  | 21.0  |
| 87       | 11.1  | 9.1   | 13.7  |





#50

Toluene-d8

Concen: 48.564 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064588.D

Acq: 12 Nov 2020 18:02

Instrument :

MSVOA\_N

ClientSampleId :

TRANSFORMER-5-2-TOP

Tot Ion: 98 Resp: 652247

Ion Ratio Lower Upper

98 100

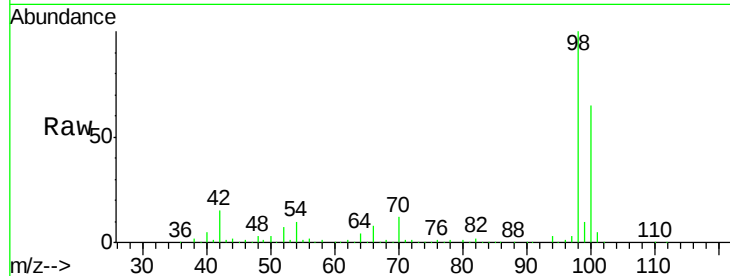
100 64.3 50.7 76.1

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

400000

300000

200000

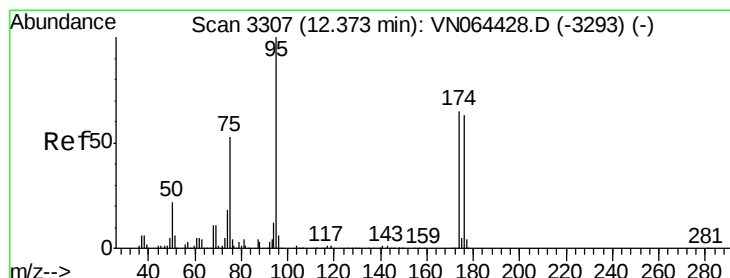
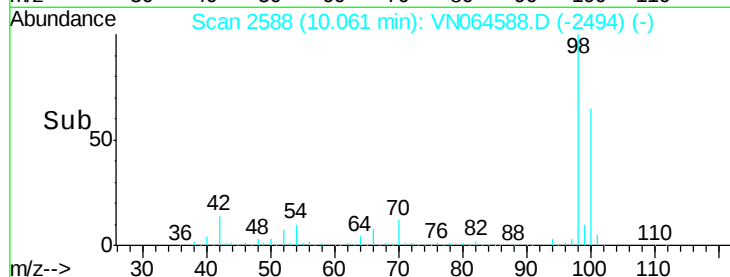
100000

0

10.06

10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 47.993 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064588.D

Acq: 12 Nov 2020 18:02

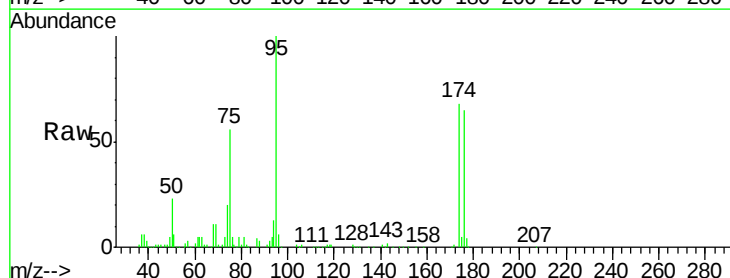
Tgt Ion: 95 Resp: 243770

Ion Ratio Lower Upper

95 100

174 70.0 0.0 132.6

176 65.0 0.0 129.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

100000

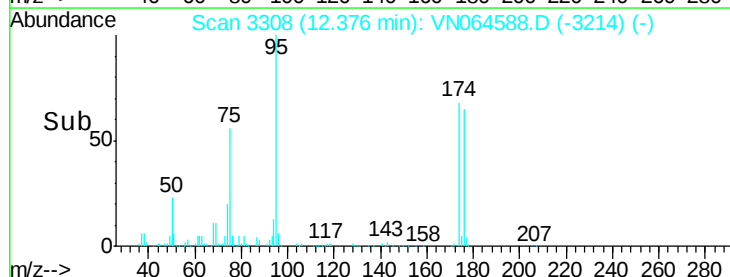
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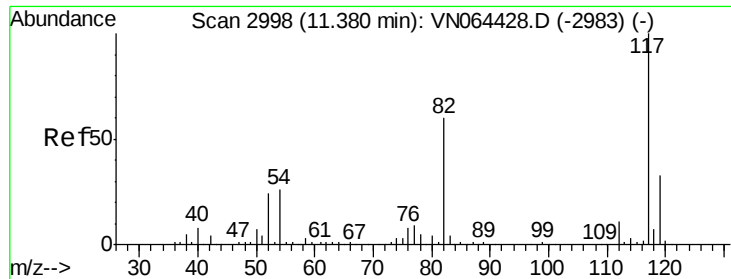
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12.38

12.40

Time-->





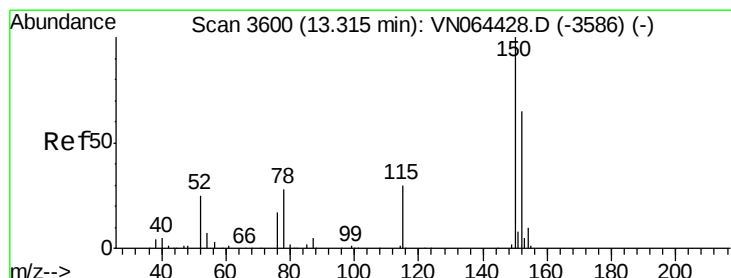
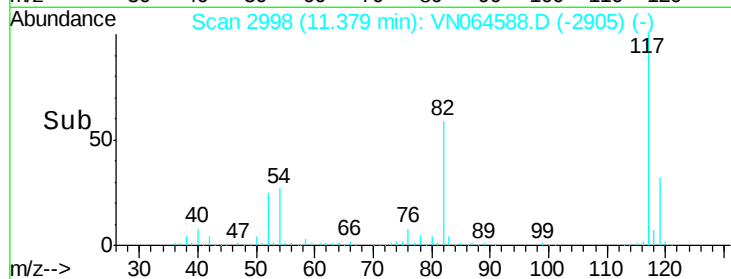
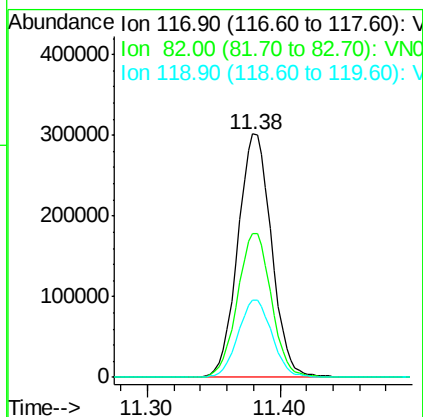
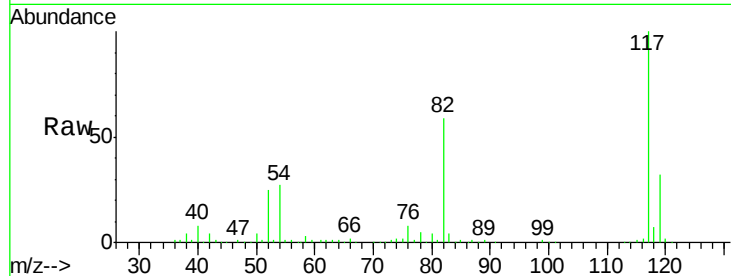
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064588.D  
Acq: 12 Nov 2020 18:02

Instrument :  
MSVOA\_N  
ClientSampleId :  
TRANSFORMER-5-2-TOP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.2  | 48.1  | 72.1  |
| 119     | 31.7  | 26.2  | 39.4  |

Manual Integrations  
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11/13/2020 11:42:46 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064588.D  
Acq: 12 Nov 2020 18:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 65.7  | 32.0  | 96.0  |
| 150     | 156.9 | 0.0   | 353.8 |

