

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\  
 Data File : VN063571.D  
 Acq On : 23 Sep 2020 7:40  
 Operator : JC/MD  
 Sample : L3866-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-01-092120

Manual Integrations  
 APPROVED

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 9/23/2020 1:06:54 PM

Quant Time: Sep 23 08:42:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 16 13:05:20 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 200919   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 389962   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 391506   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 159224   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 175626   | 51.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.70% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 124792   | 46.23  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.46%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 498038   | 49.06  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 191793   | 51.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.08% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 28193    | 25.649 | ug/l    | 99       |
| 18) Methyl Acetate          | 4.30  | 43   | 4561m    | 1.635  | ug/l    |          |
| 20) Methylene Chloride      | 4.50  | 84   | 12451    | 4.471  | ug/l    | 88       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 58854    | 8.072  | ug/l    | 100      |

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

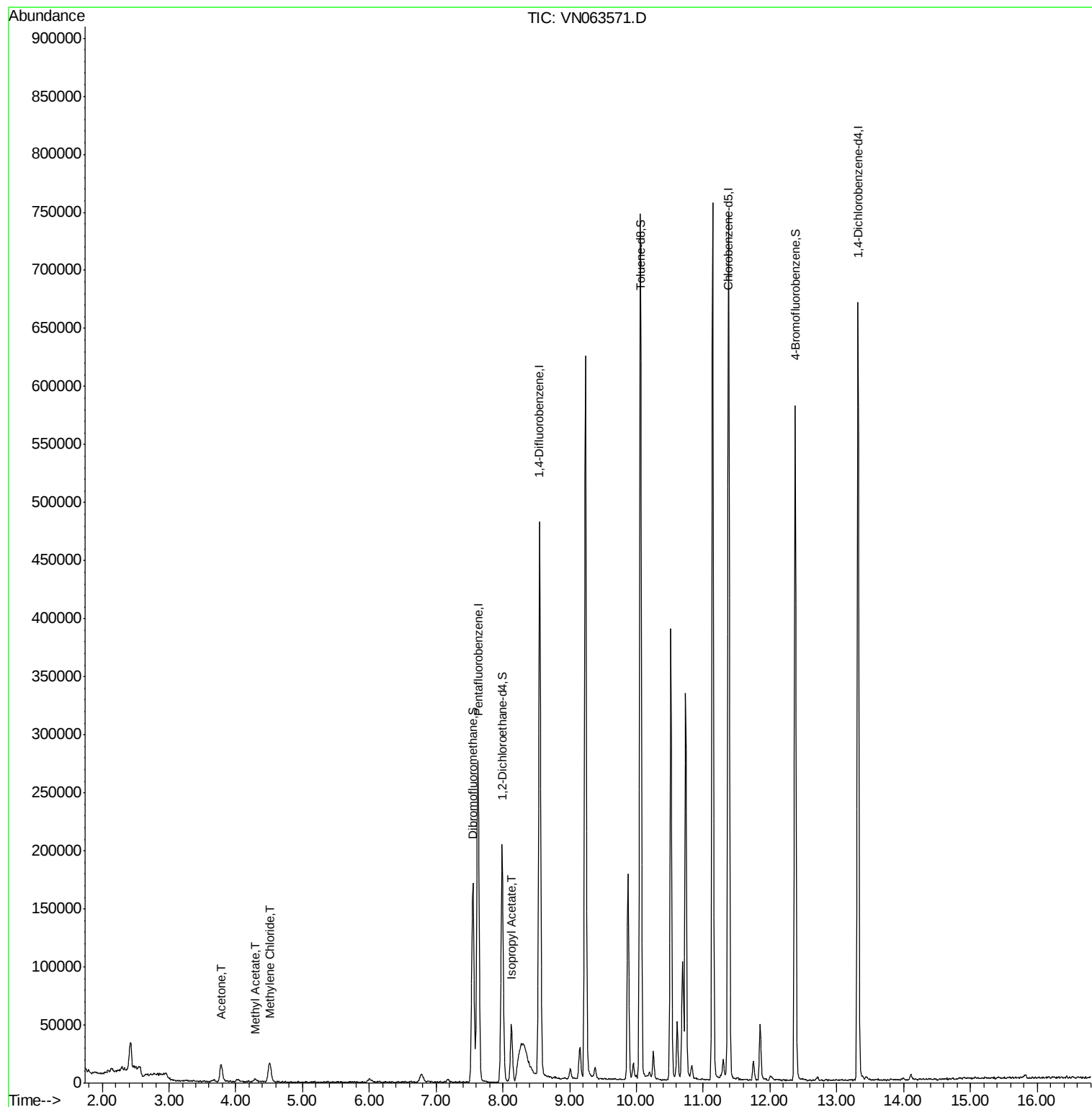
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092220\  
Data File : VN063571.D  
Acq On : 23 Sep 2020 7:40  
Operator : JC/MD  
Sample : L3866-10  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-01-092120

Manual Integrations  
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Quant Time: Sep 23 08:42:05 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091620W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 16 13:05:20 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: VN063571.D

Acq: 23 Sep 2020 7:40

Instrument :

MSVOA\_N

ClientSampleId :

OK-01-092120

Tot Ion:168 Resp: 200919

Ion Ratio Lower Upper

168 100

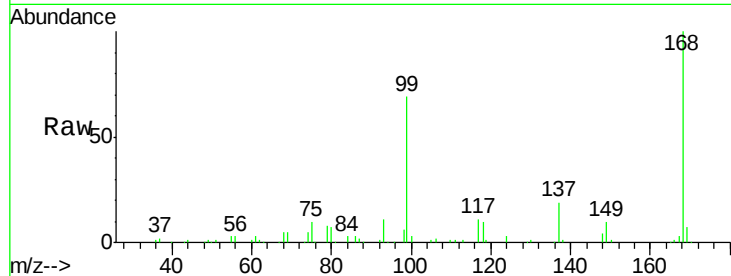
99 68.7 53.0 79.6

Manual Integrations

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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

80000

60000

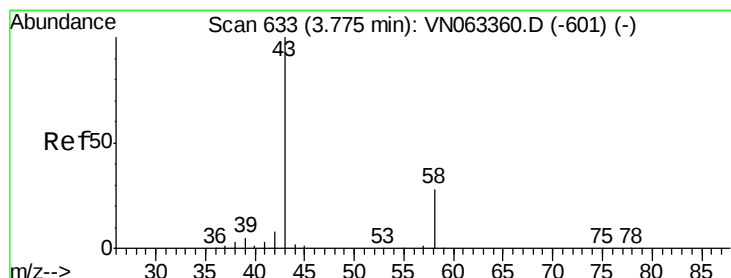
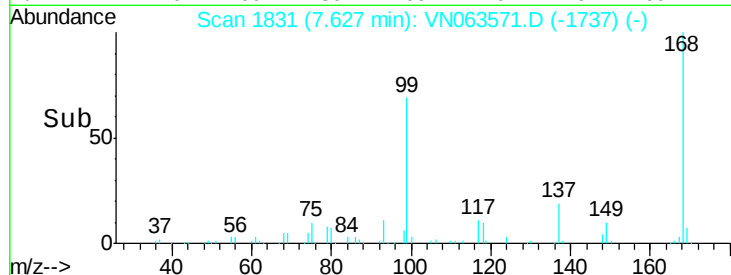
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 25.649 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063571.D

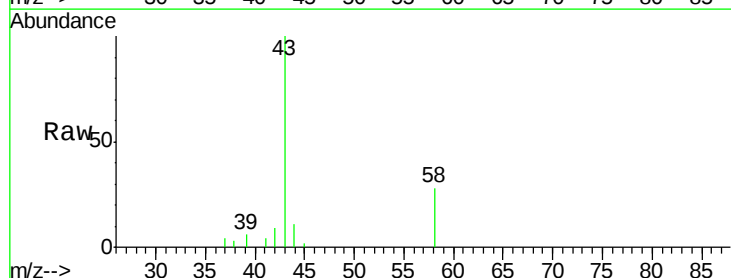
Acq: 23 Sep 2020 7:40

Tgt Ion: 43 Resp: 28193

Ion Ratio Lower Upper

43 100

58 28.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

10000

8000

6000

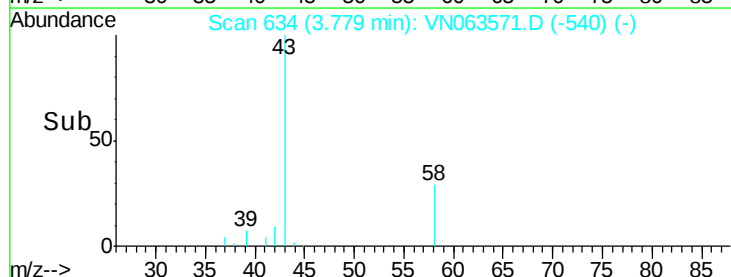
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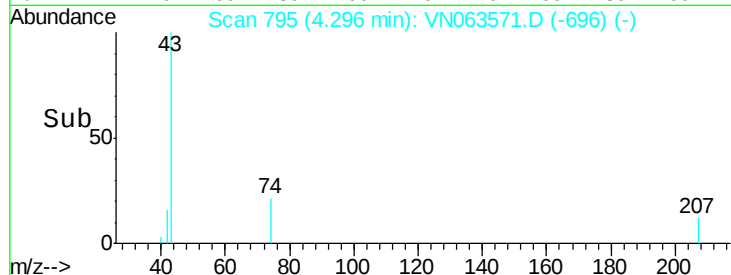
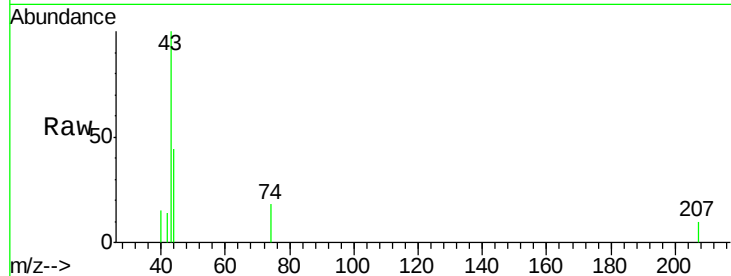
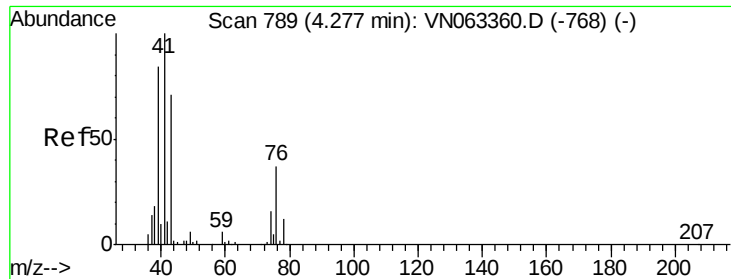
2000

0

3.70 3.80 3.90

Time-->





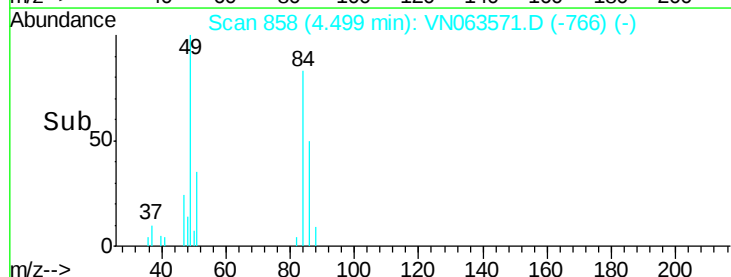
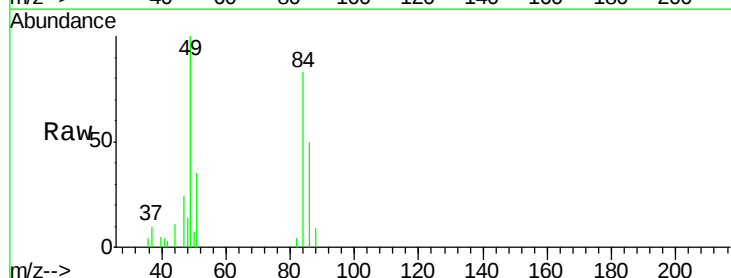
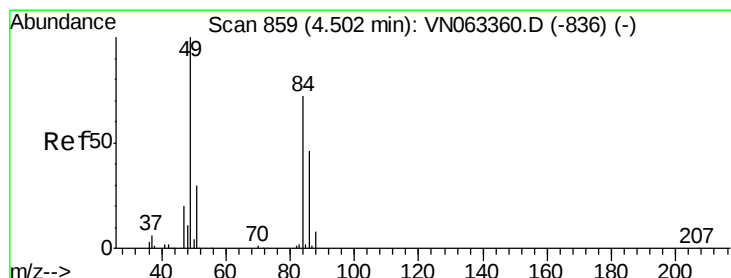
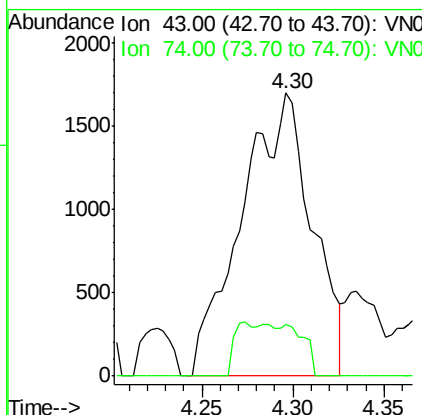
#18  
Methyl Acetate  
Concen: 1.635 ug/l m  
RT: 4.30 min Scan# 795  
Delta R.T. 0.02 min  
Lab File: VN063571.D  
Acq: 23 Sep 2020 7:40

Tot Ion: 43 Resp: 4561  
Ion Ratio Lower Upper  
43 100  
74 6.2 17.4 26.2#

Instrument :  
MSVOA\_N  
ClientSampleId :  
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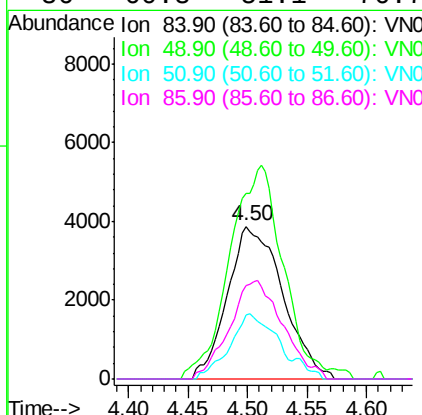
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#20  
Methylene Chloride  
Concen: 4.471 ug/l  
RT: 4.50 min Scan# 858  
Delta R.T. -0.00 min  
Lab File: VN063571.D  
Acq: 23 Sep 2020 7:40

Tgt Ion: 84 Resp: 12451  
Ion Ratio Lower Upper  
84 100  
49 114.9 110.7 166.1  
51 42.2 32.9 49.3  
86 60.8 51.1 76.7





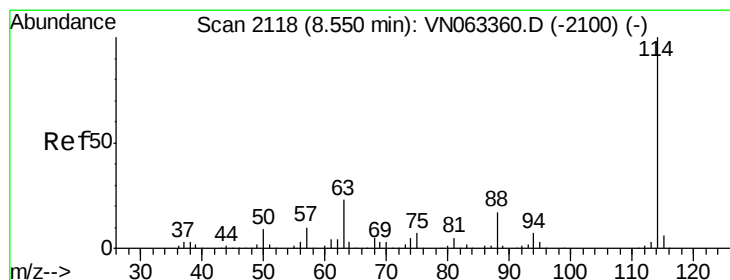
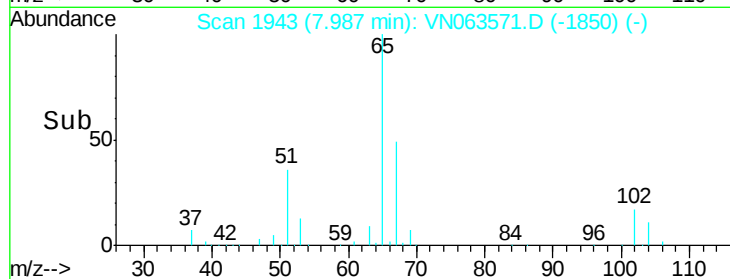
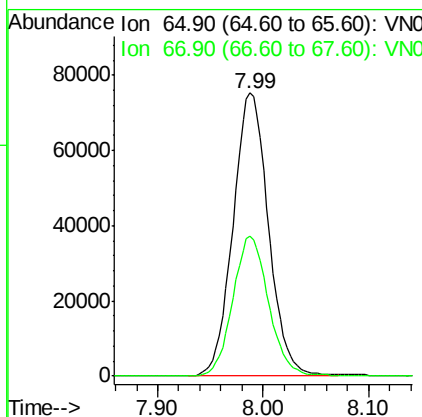
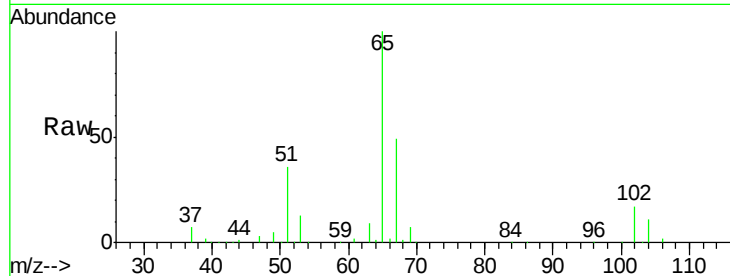
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.350 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. -0.00 min  
 Lab File: VN063571.D  
 Acq: 23 Sep 2020 7:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-01-092120

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 175626 |       |       |
| 67      | 49.6  | 0.0    | 104.2 |       |

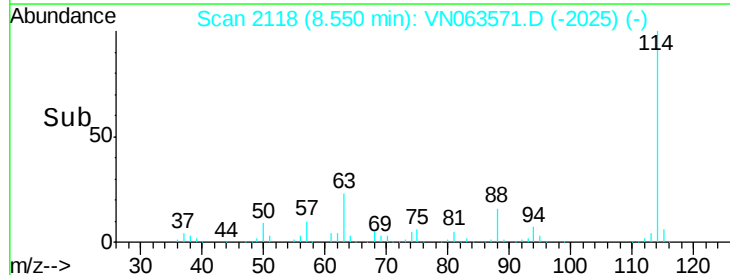
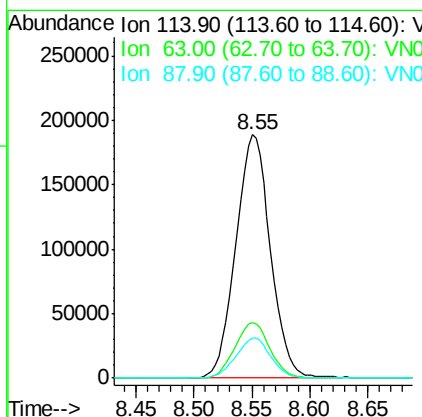
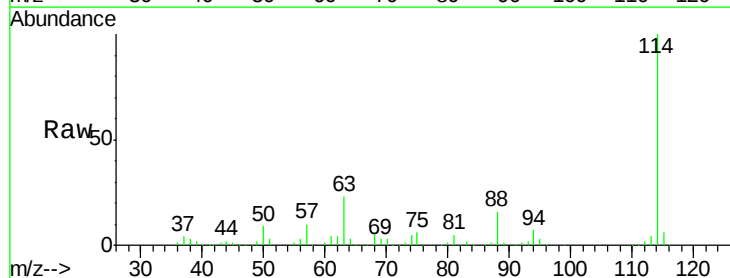
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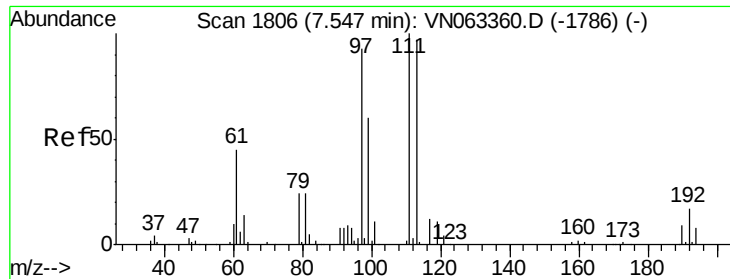
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. -0.00 min  
 Lab File: VN063571.D  
 Acq: 23 Sep 2020 7:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 389962 |       |       |
| 63      | 23.0  | 0.0    | 46.4  |       |
| 88      | 16.3  | 0.0    | 33.2  |       |





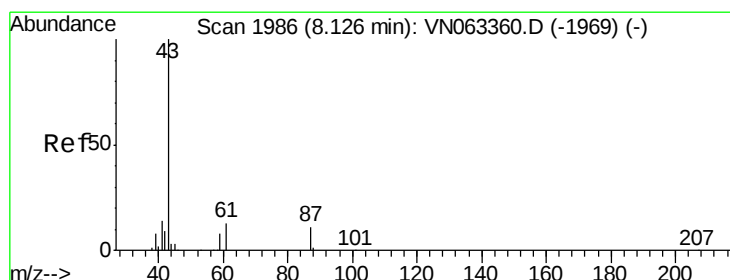
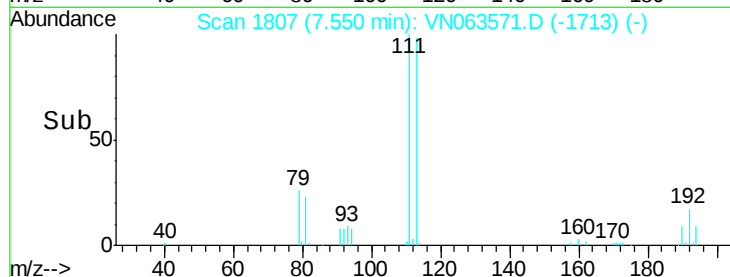
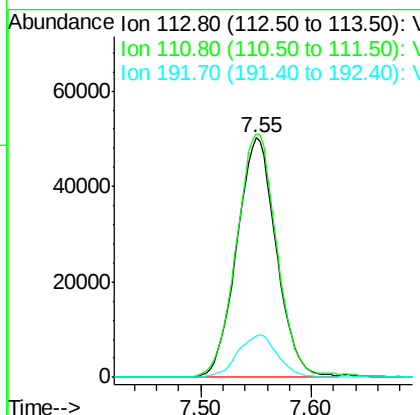
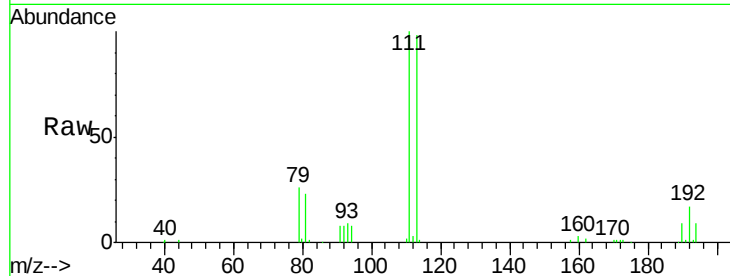
#35  
 Dibromofluoromethane  
 Concen: 46.226 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN063571.D  
 Acq: 23 Sep 2020 7:40

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 OK-01-092120

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 124792 |       |       |
| 111     | 103.2 | 82.9   | 124.3 |       |
| 192     | 17.9  | 13.9   | 20.9  |       |

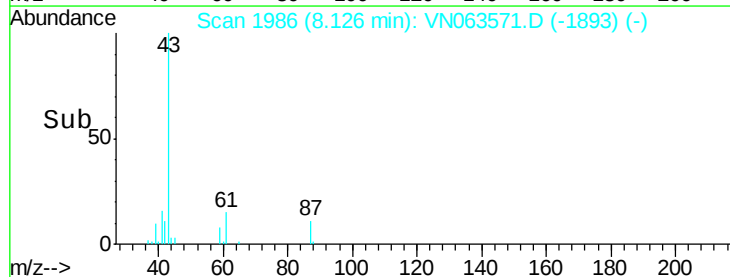
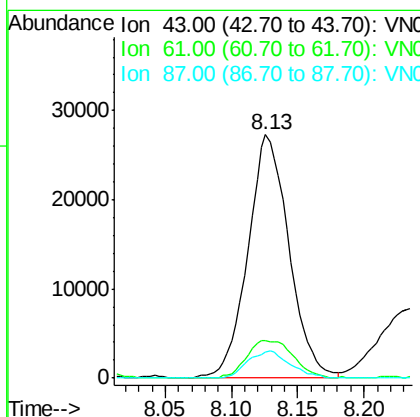
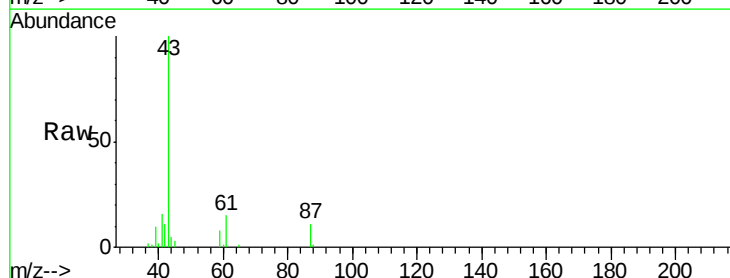
Manual Integrations  
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#43  
 Isopropyl Acetate  
 Concen: 8.072 ug/l  
 RT: 8.13 min Scan# 1986  
 Delta R.T. -0.00 min  
 Lab File: VN063571.D  
 Acq: 23 Sep 2020 7:40

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 43      | 100   | 58854 |       |       |
| 61      | 17.6  | 14.2  | 21.2  |       |
| 87      | 11.4  | 9.0   | 13.6  |       |





#50

Toluene-d8

Concen: 49.063 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063571.D

Acq: 23 Sep 2020 7:40

Instrument :

MSVOA\_N

ClientSampleId :

OK-01-092120

Tot Ion: 98 Resp: 498038

Ion Ratio Lower Upper

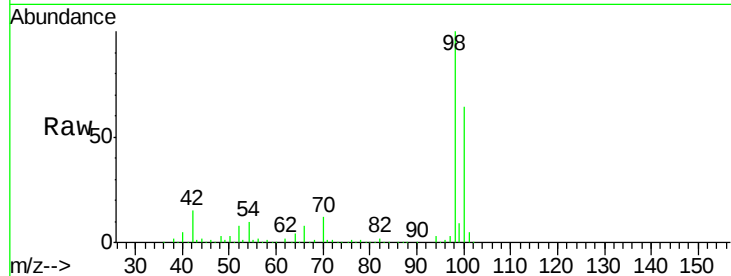
98 100

100 63.6 50.7 76.1

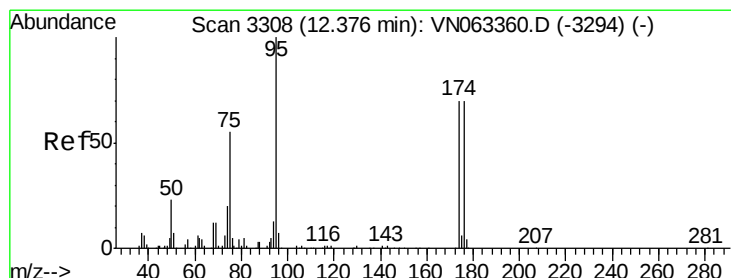
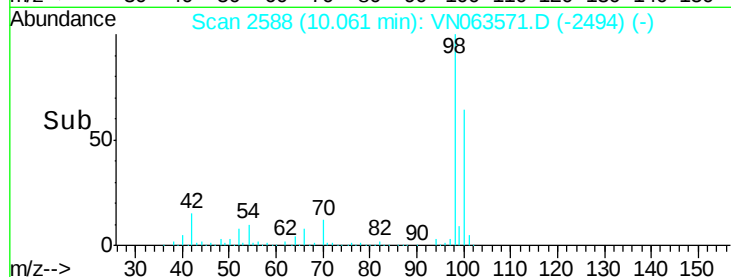
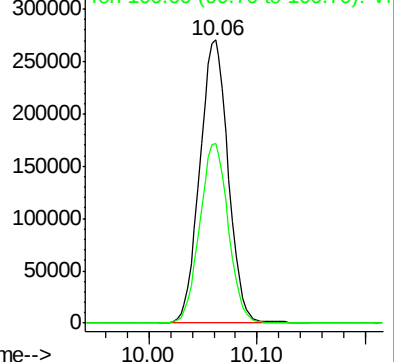
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Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#62

4-Bromofluorobenzene

Concen: 51.541 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063571.D

Acq: 23 Sep 2020 7:40

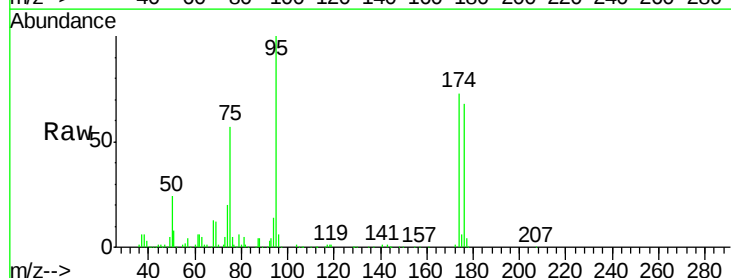
Tgt Ion: 95 Resp: 191793

Ion Ratio Lower Upper

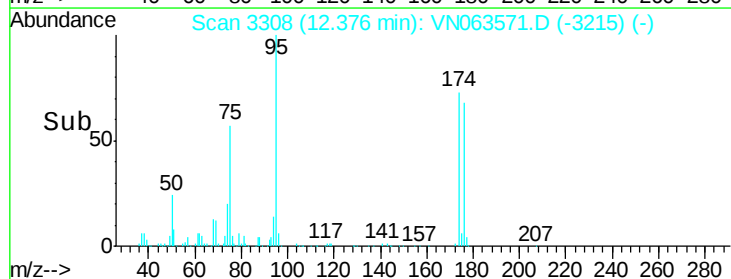
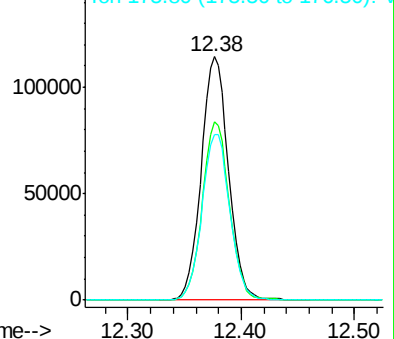
95 100

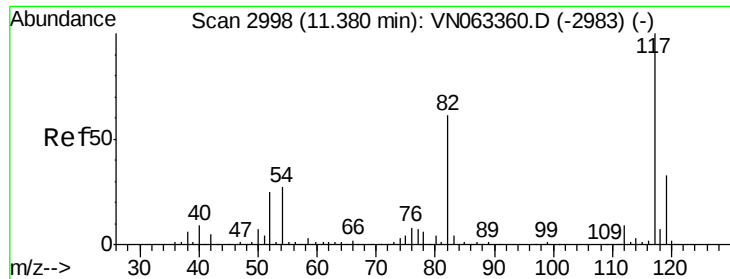
174 72.8 0.0 140.8

176 69.5 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)





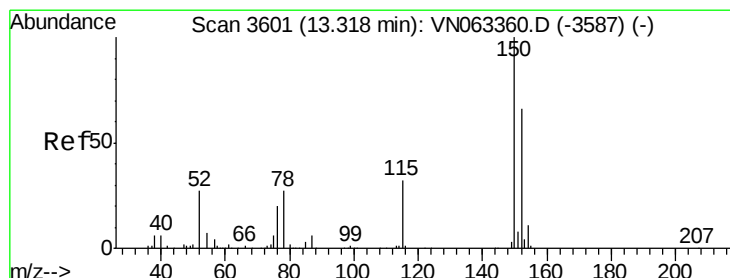
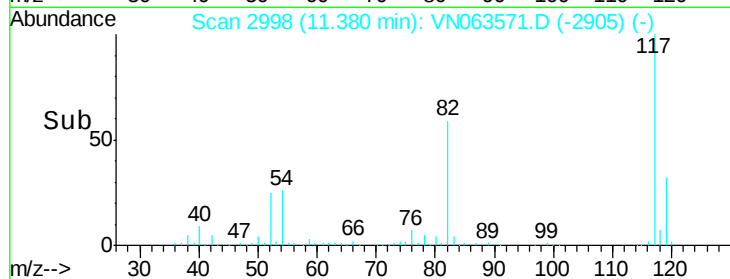
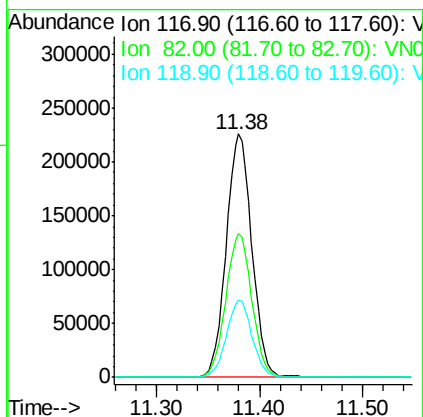
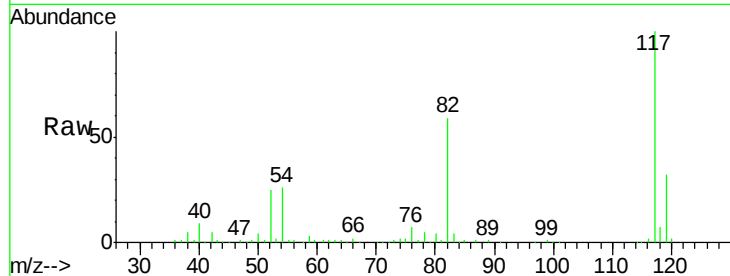
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN063571.D  
Acq: 23 Sep 2020 7:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
OK-01-092120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.9  | 49.2  | 73.8  |
| 119     | 31.7  | 26.2  | 39.4  |

Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. -0.00 min  
Lab File: VN063571.D  
Acq: 23 Sep 2020 7:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 64.5  | 32.2  | 96.6  |
| 150     | 158.9 | 0.0   | 343.4 |

