

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\  
 Data File : VN064361.D  
 Acq On : 28 Oct 2020 18:43  
 Operator : JC/MD  
 Sample : L4528-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CHRT-27339

Manual Integrations  
 APPROVED

MMDadoda  
 10/29/2020 12:01:42 PM

Quant Time: Oct 29 03:52:59 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 12:23:17 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 247212   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 438258   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 432344   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 178681   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 196955   | 49.58  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.16%  |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 144508   | 49.44  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.88%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 540358   | 49.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.96%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 233308   | 55.35  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 110.70% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 16653    | 5.099  | ug/l    | 95       |
| 18) Methyl Acetate          | 4.27  | 43   | 4493m    | 1.506  | ug/l    |          |
| 20) Methylene Chloride      | 4.50  | 84   | 6008     | 2.132  | ug/l    | 90       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 91344    | 11.960 | ug/l #  | 88       |

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

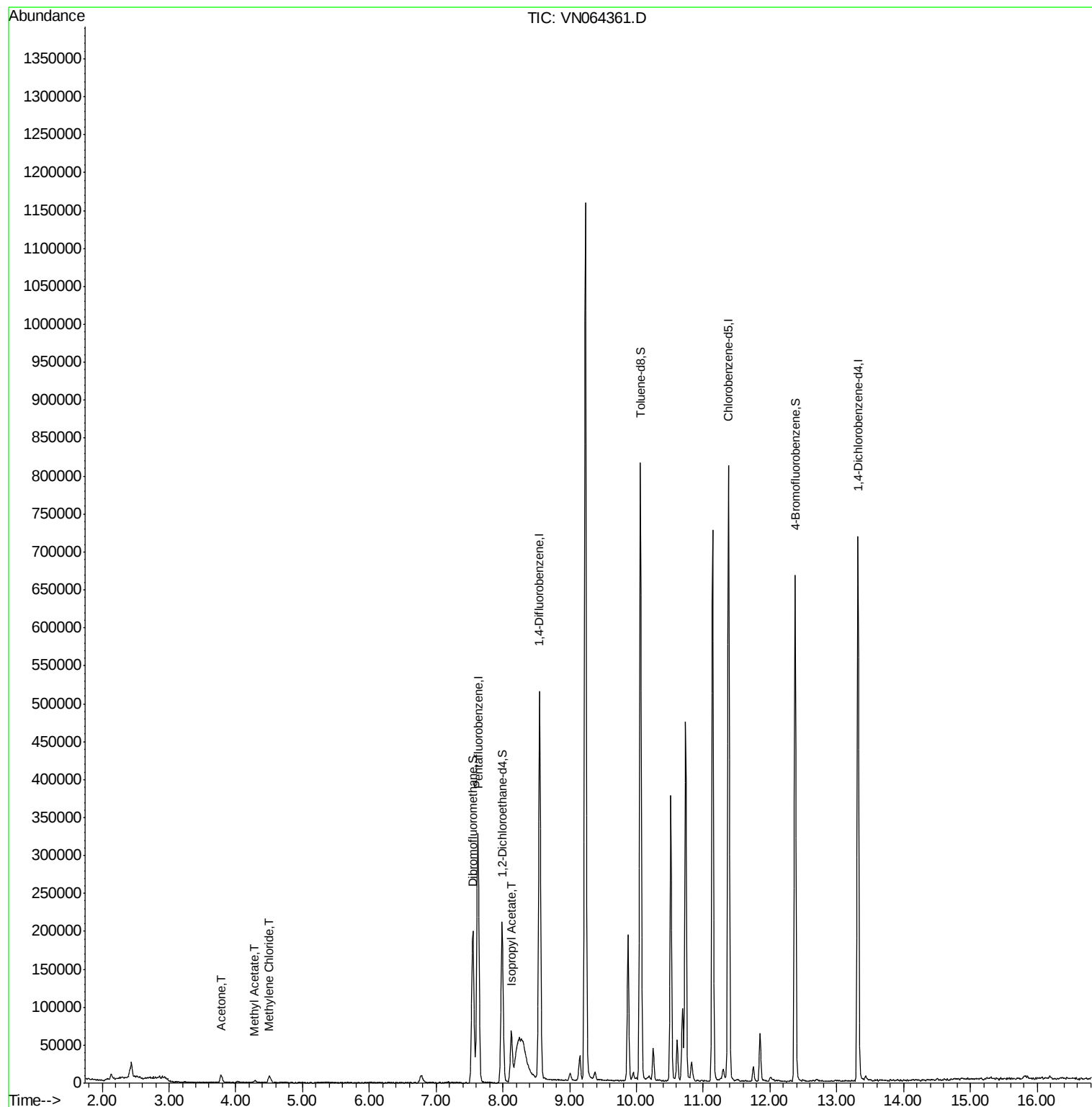
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102820\  
Data File : VN064361.D  
Acq On : 28 Oct 2020 18:43  
Operator : JC/MD  
Sample : L4528-02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 22 Sample Multiplier: 1

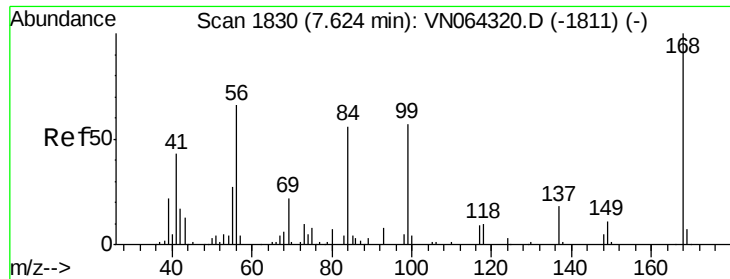
Instrument :  
MSVOA\_N  
ClientSampleId :  
CHRT-27339

Manual Integrations  
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Quant Time: Oct 29 03:52:59 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 27 12:23:17 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: VN064361.D

Acq: 28 Oct 2020 18:43

Instrument :

MSVOA\_N

ClientSampleId :

CHRT-27339

Tot Ion:168 Resp: 247212

Ion Ratio Lower Upper

168 100

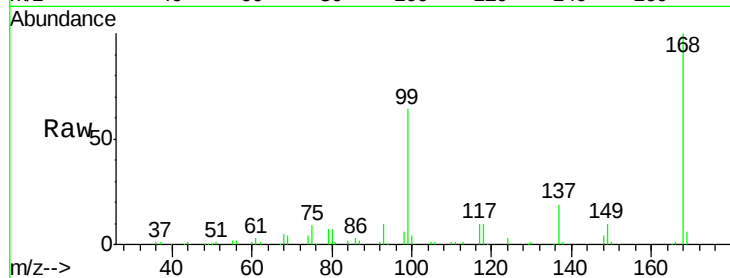
99 63.7 52.7 79.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

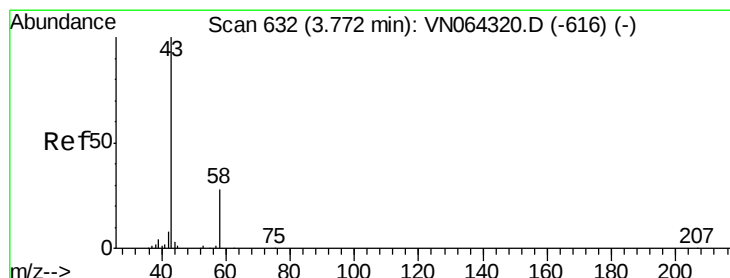
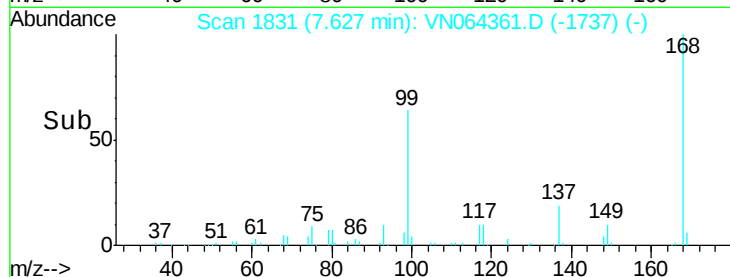
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 5.099 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064361.D

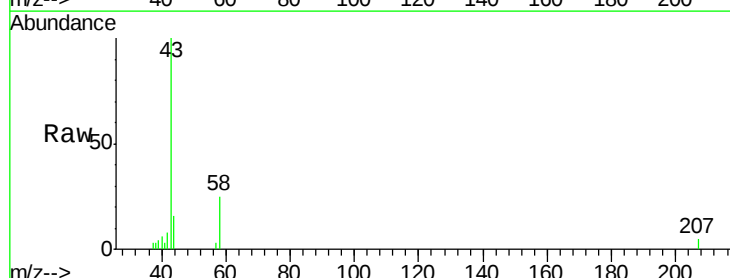
Acq: 28 Oct 2020 18:43

Tgt Ion: 43 Resp: 16653

Ion Ratio Lower Upper

43 100

58 24.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

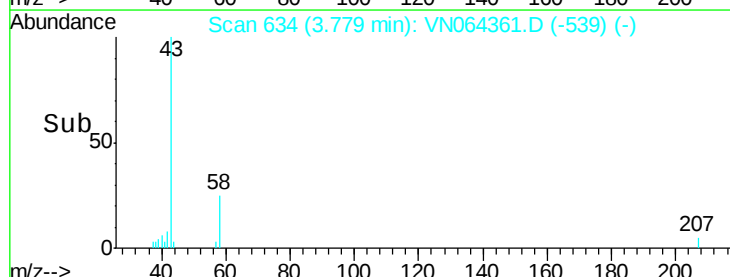
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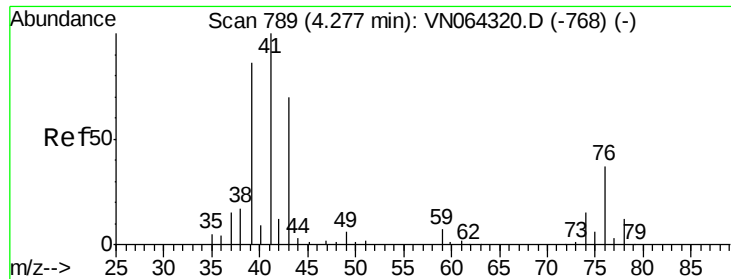
4000

2000

0

Time-->





#18

Methyl Acetate

Concen: 1.506 ug/l m

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064361.D

Acq: 28 Oct 2020 18:43

Instrument :

MSVOA\_N

ClientSampleId :

CHRT-27339

Tot Ion: 43 Resp: 4493

Ion Ratio Lower Upper

43 100

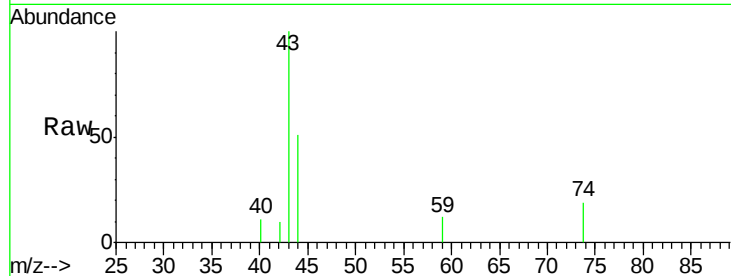
74 6.7 16.7 25.1#

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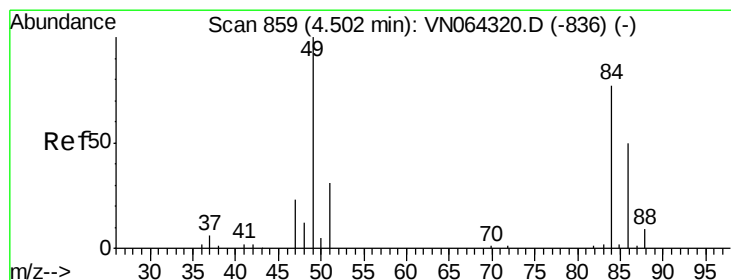
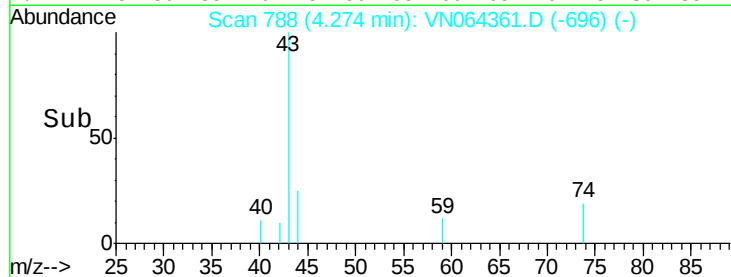
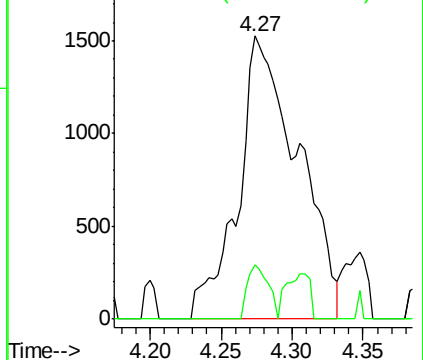
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 2.132 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN064361.D

Acq: 28 Oct 2020 18:43

Tgt Ion: 84 Resp: 6008

Ion Ratio Lower Upper

84 100

49 117.4 103.6 155.4

51 32.4 31.8 47.8

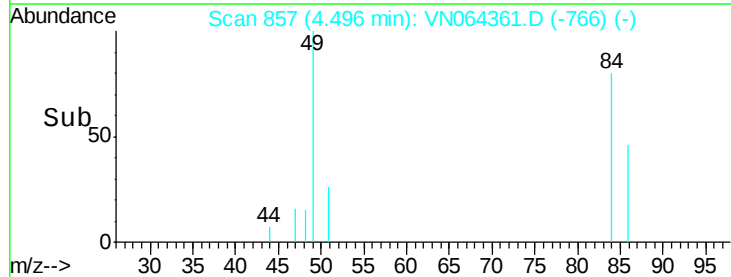
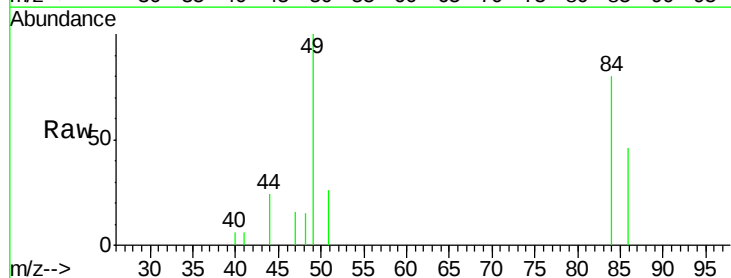
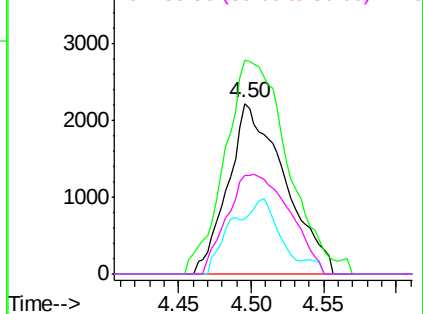
86 57.6 51.3 76.9

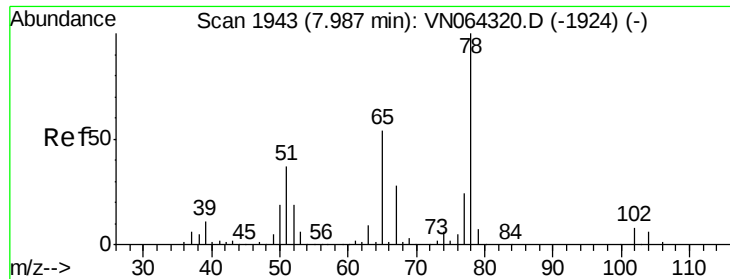
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





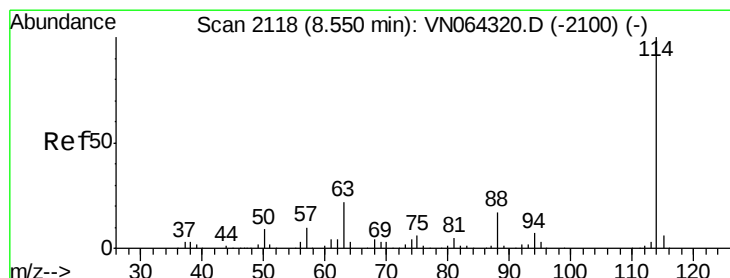
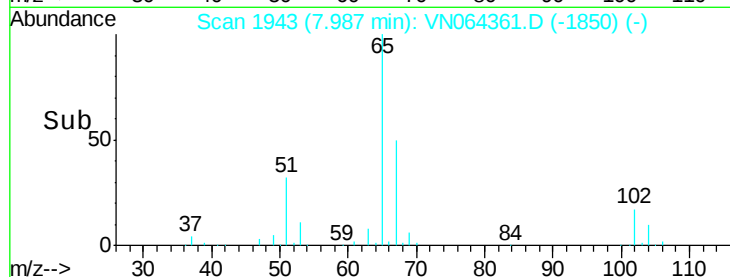
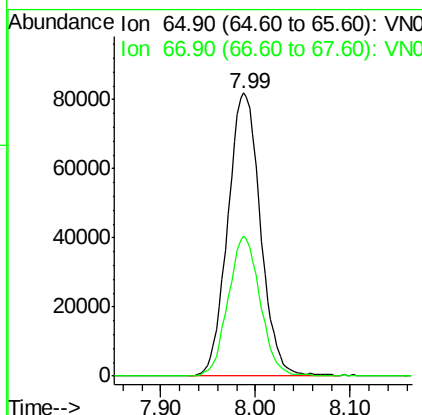
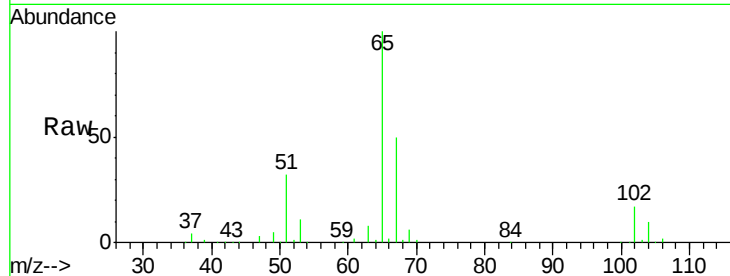
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.578 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064361.D  
 Acq: 28 Oct 2020 18:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CHRT-27339

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 196955 |       |       |
| 67      | 48.3  | 0.0    | 99.2  |       |

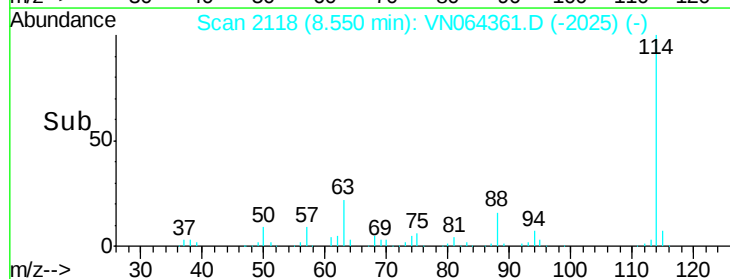
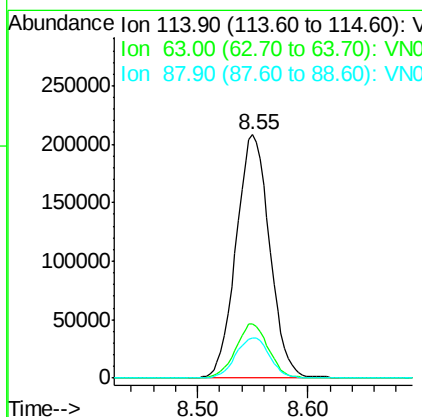
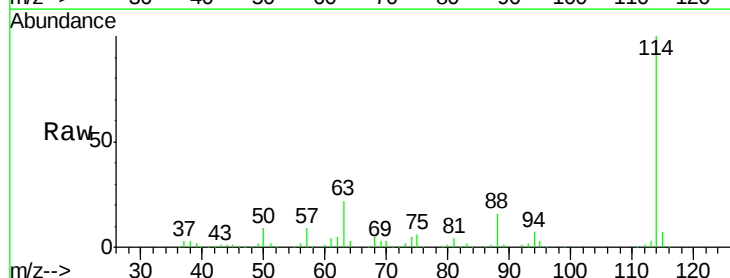
Manual Integrations  
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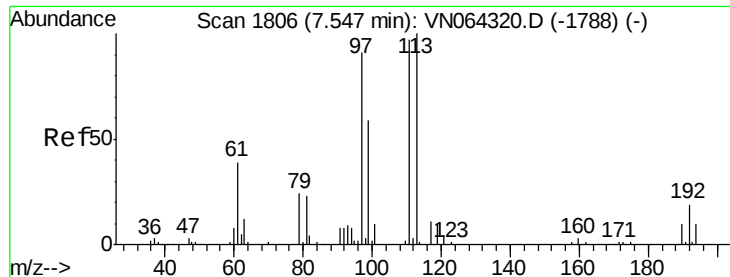
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064361.D  
 Acq: 28 Oct 2020 18:43

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 438258 |       |       |
| 63      | 22.4  | 0.0    | 44.6  |       |
| 88      | 16.3  | 0.0    | 33.4  |       |





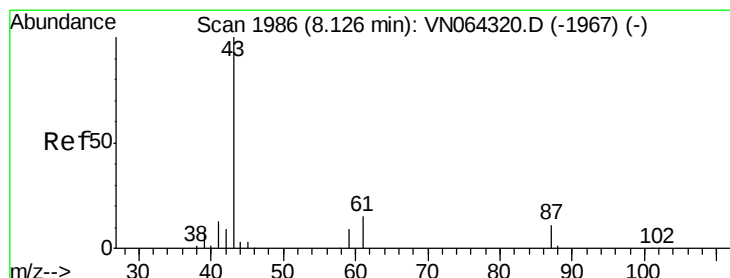
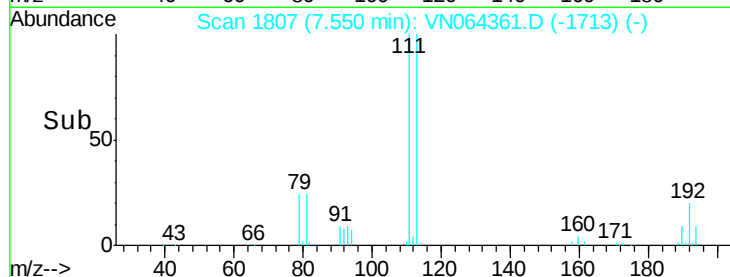
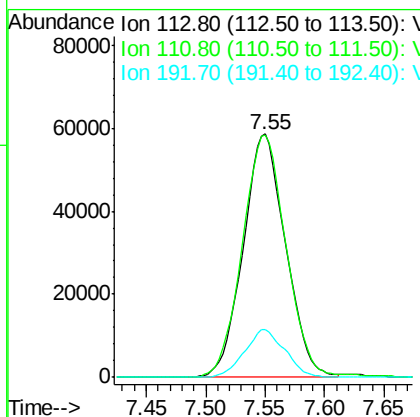
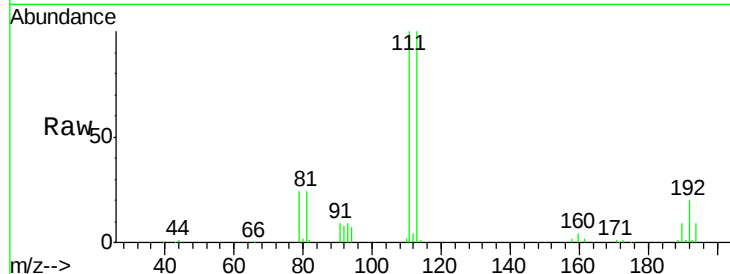
#35  
 Dibromofluoromethane  
 Concen: 49.444 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064361.D  
 Acq: 28 Oct 2020 18:43

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 CHRT-27339

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 102.3 | 81.5 | 122.3 |       |
| 192     | 18.6  | 15.0 | 22.4  |       |

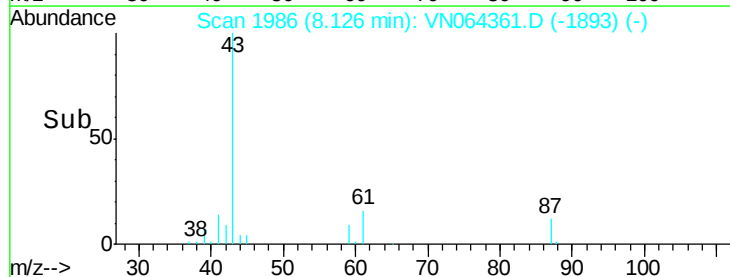
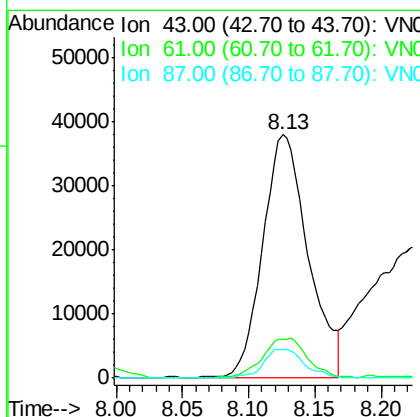
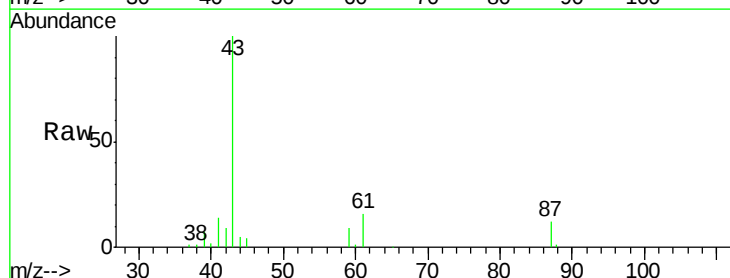
Manual Integrations  
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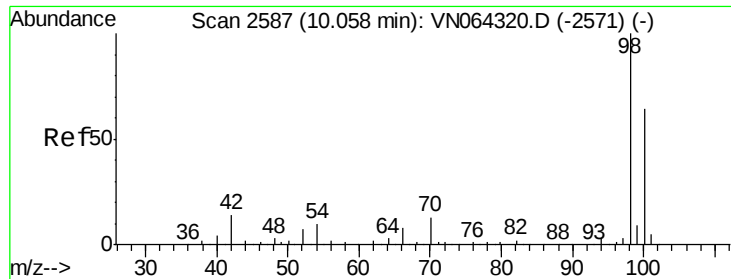
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#43  
 Isopropyl Acetate  
 Concen: 11.960 ug/l  
 RT: 8.13 min Scan# 1986  
 Delta R.T. 0.00 min  
 Lab File: VN064361.D  
 Acq: 28 Oct 2020 18:43

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 43      | 100   |      |       |       |
| 61      | 16.1  | 19.1 | 28.7# |       |
| 87      | 10.6  | 9.3  | 13.9  |       |





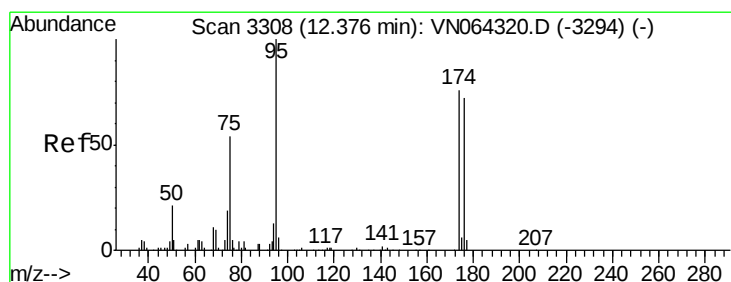
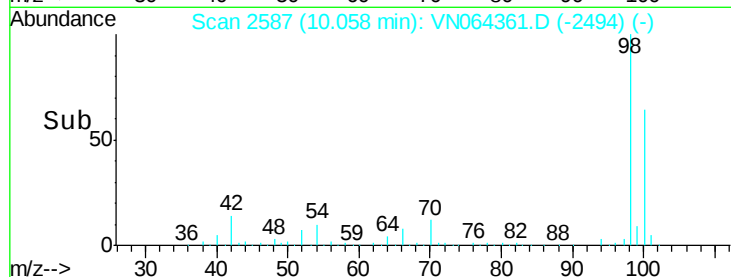
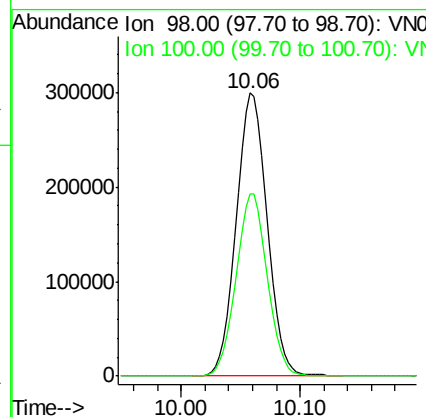
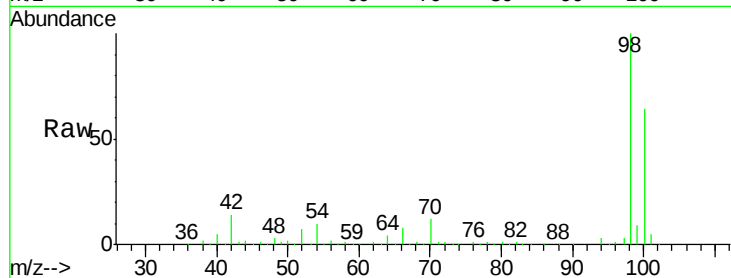
#50  
Toluene-d8  
Concen: 49.985 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN064361.D  
Acq: 28 Oct 2020 18:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
CHRT-27339

Tot Ion: 98 Resp: 540358  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.9 76.3

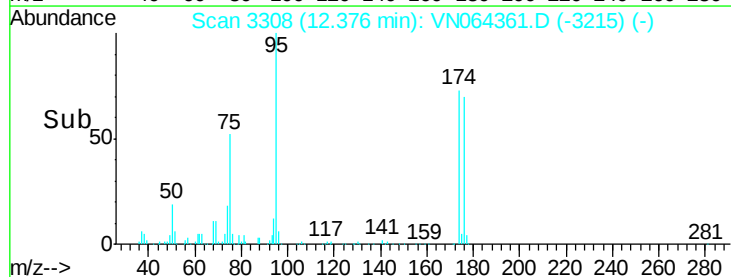
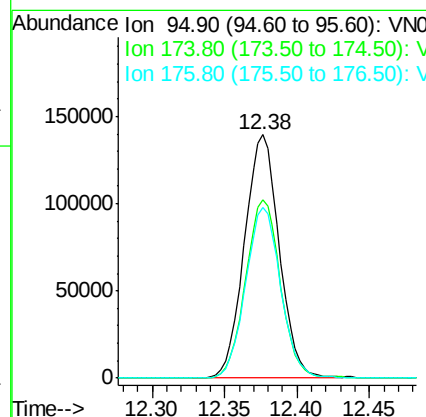
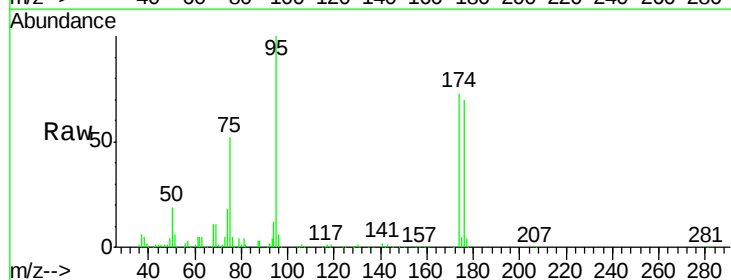
Manual Integrations  
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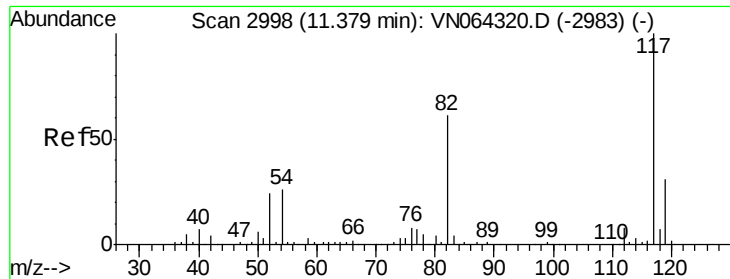
MMDadoda  
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#62  
4-Bromofluorobenzene  
Concen: 55.353 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064361.D  
Acq: 28 Oct 2020 18:43

Tgt Ion: 95 Resp: 233308  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 147.4  
176 70.6 0.0 143.6





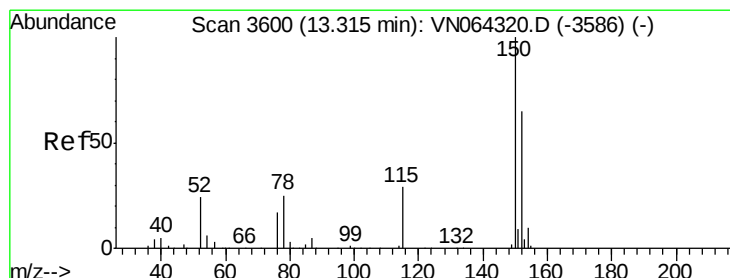
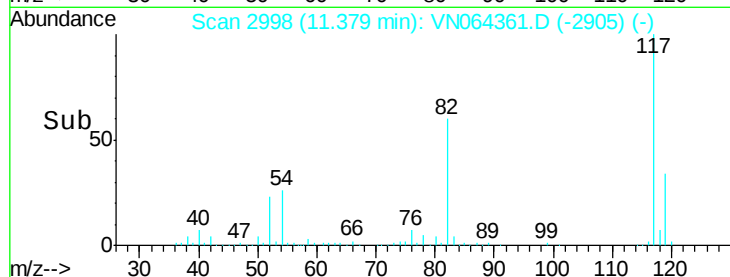
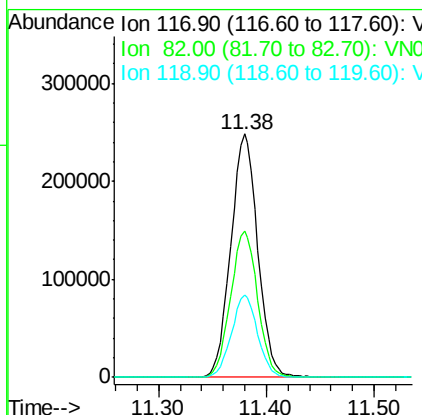
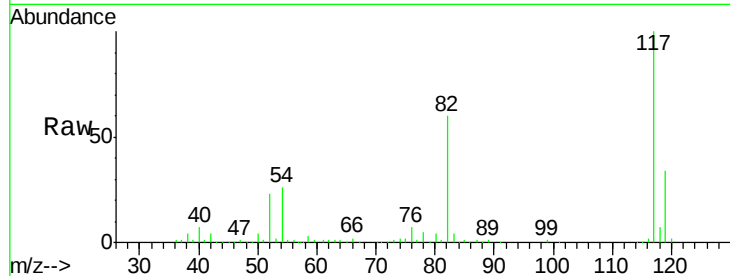
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064361.D  
Acq: 28 Oct 2020 18:43

Instrument :  
MSVOA\_N  
ClientSampleId :  
CHRT-27339

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.9  | 48.8  | 73.2  |
| 119     | 33.9  | 25.1  | 37.7  |

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: VN064361.D  
Acq: 28 Oct 2020 18:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 64.7  | 31.5  | 94.5  |
| 150     | 160.1 | 0.0   | 346.2 |

