

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\  
 Data File : VN064562.D  
 Acq On : 11 Nov 2020 18:03  
 Operator : JC/MD  
 Sample : PB132934ZHE#06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132934ZHE#06

Manual Integrations  
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MMDadoda  
 11/12/2020 9:12:54 AM

Quant Time: Nov 12 02:38:34 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  | 233509   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 518727   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 550634   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 192347   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 233645   | 57.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.88% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 175114   | 49.58 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.16%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 667450   | 48.90 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.80%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 249677   | 48.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.72%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.79  | 43   | 9301m    | 6.003 | ug/l    |          |
| 18) Methyl Acetate          | 4.29  | 43   | 3799m    | 1.247 | ug/l    |          |
| 20) Methylene Chloride      | 4.51  | 84   | 8918     | 2.901 | ug/l    | 92       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 44749    | 5.039 | ug/l #  | 95       |

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

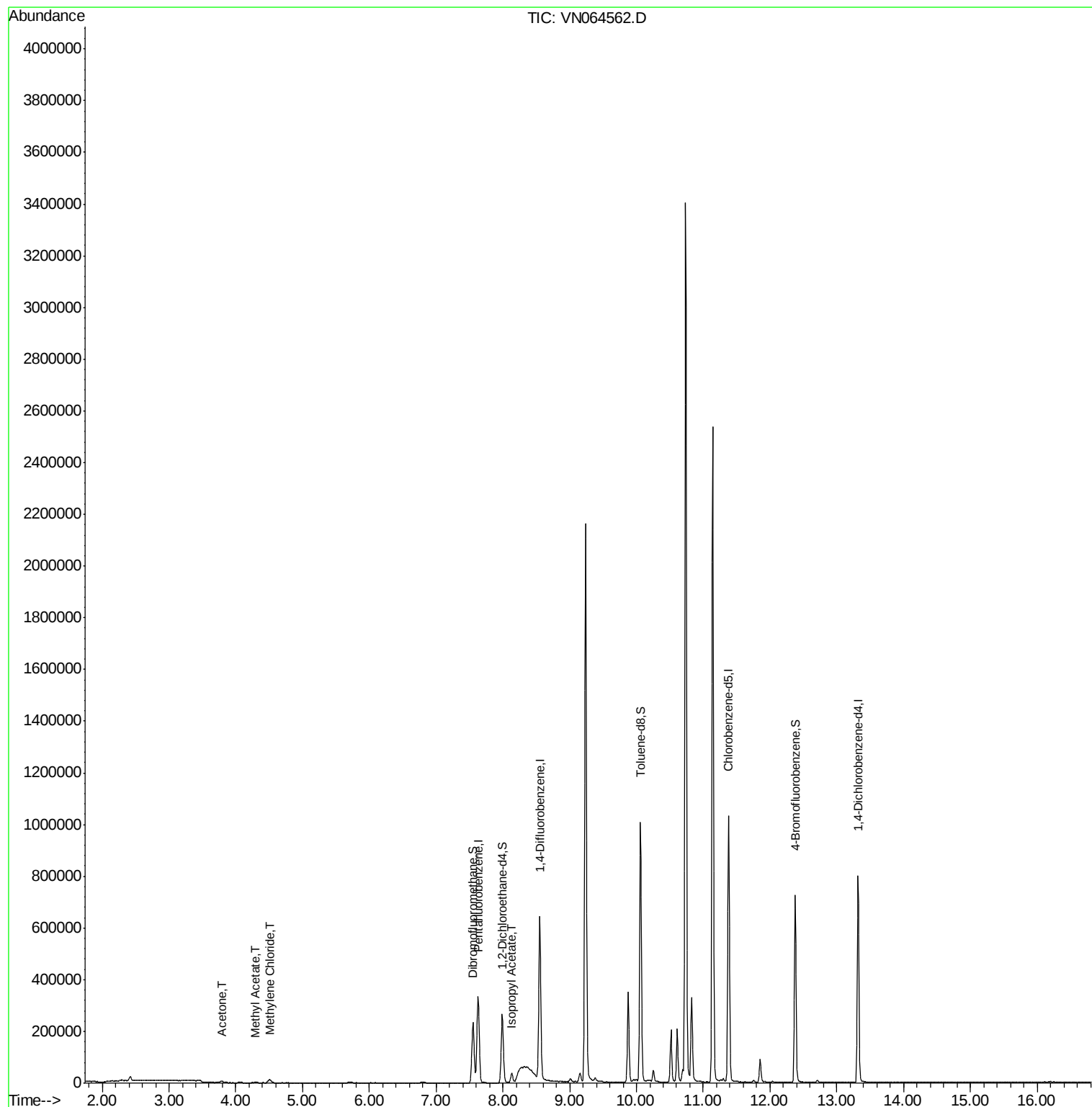
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111120\  
Data File : VN064562.D  
Acq On : 11 Nov 2020 18:03  
Operator : JC/MD  
Sample : PB132934ZHE#06  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 20 Sample Multiplier: 1

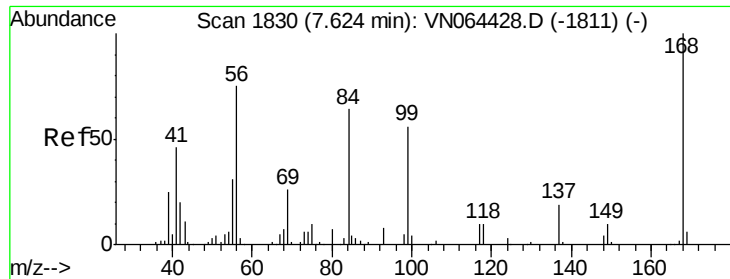
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132934ZHE#06

Manual Integrations  
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11/12/2020 9:12:54 AM

Quant Time: Nov 12 02:38:34 2020  
Quant Method : Z:\V0ASRV\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# 1832

Delta R.T. 0.01 min

Lab File: VN064562.D

Acq: 11 Nov 2020 18:03

Instrument :

MSVOA\_N

ClientSampleId :

PB132934ZHE#06

Tot Ion:168 Resp: 233509

Ion Ratio Lower Upper

168 100

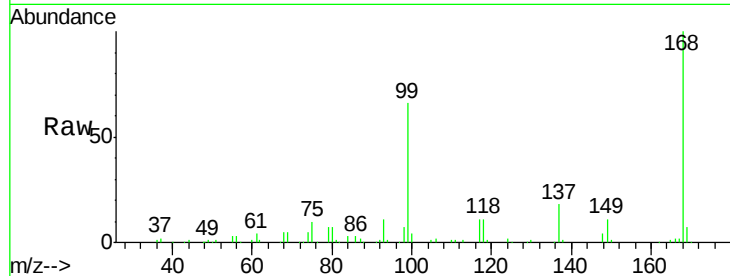
99 66.0 53.4 80.2

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

100000

80000

60000

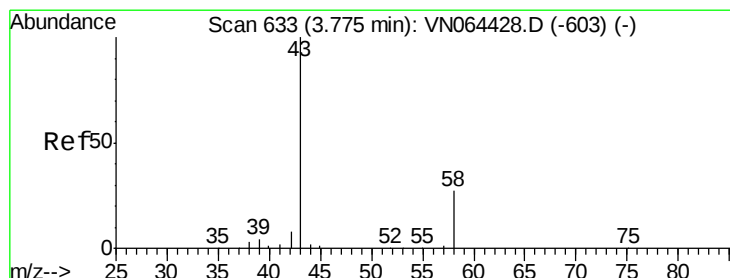
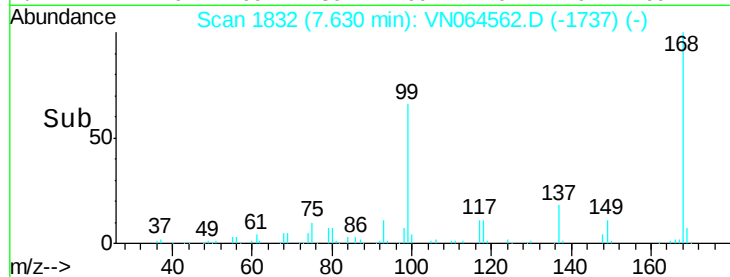
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#16

Acetone

Concen: 6.003 ug/l m

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064562.D

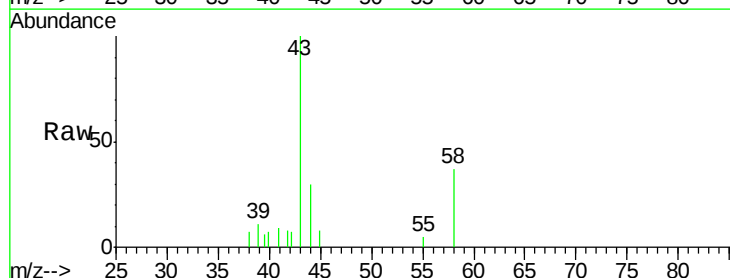
Acq: 11 Nov 2020 18:03

Tgt Ion: 43 Resp: 9301

Ion Ratio Lower Upper

43 100

58 36.6 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.79

4000

3000

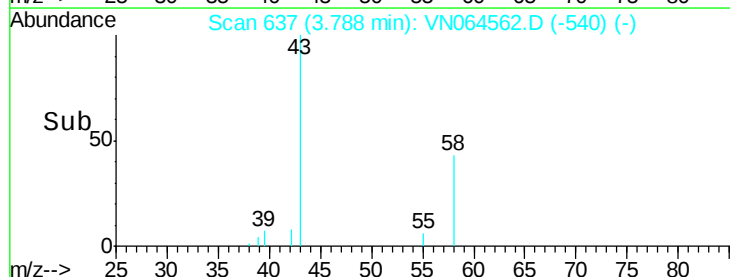
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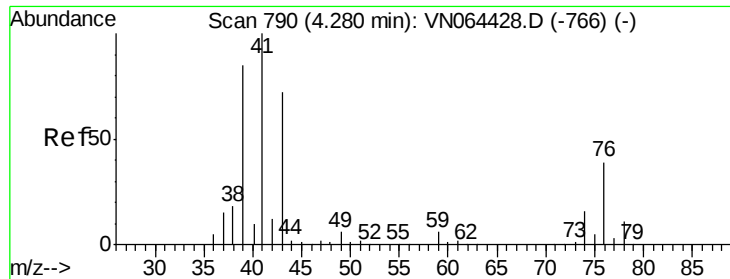
1000

0

3.70 3.75 3.80 3.85 3.90

Time-->





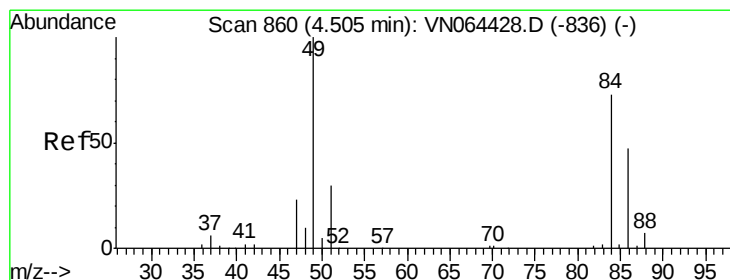
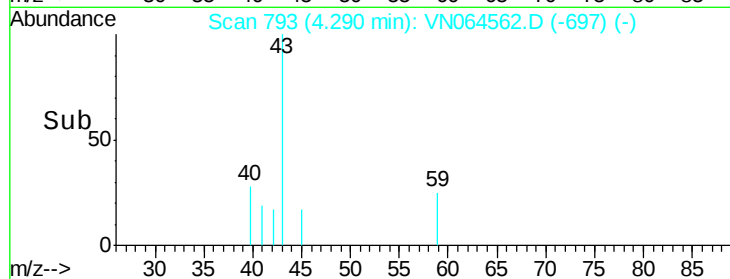
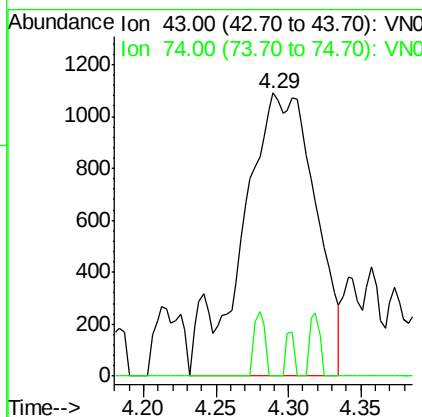
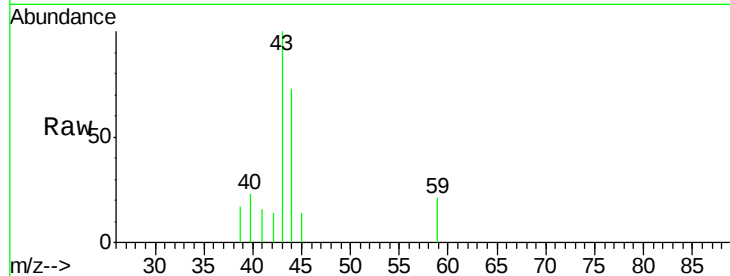
#18  
Methyl Acetate  
Concen: 1.247 ug/l m  
RT: 4.29 min Scan# 793  
Delta R.T. 0.01 min  
Lab File: VN064562.D  
Acq: 11 Nov 2020 18:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132934ZHE#06

Tot Ion: 43 Resp: 3799  
Ion Ratio Lower Upper  
43 100  
74 3.3 17.0 25.4#

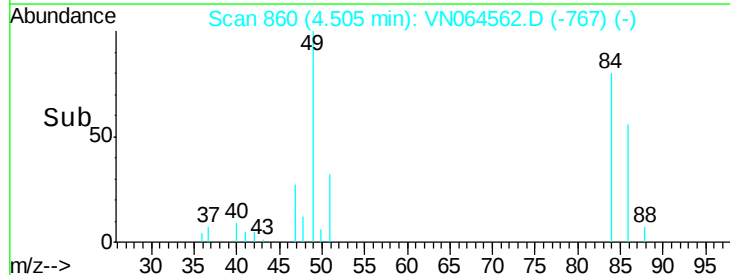
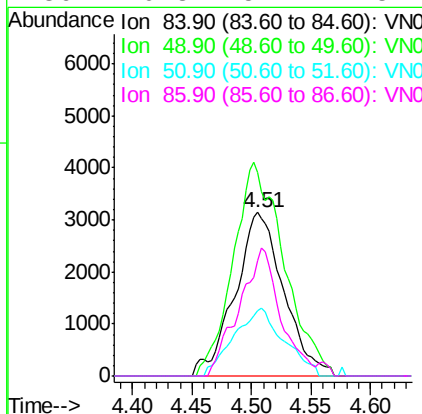
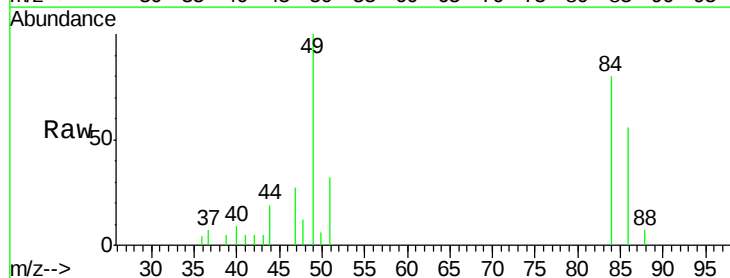
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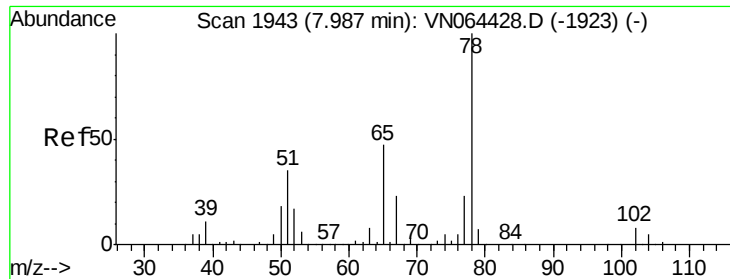
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#20  
Methylene Chloride  
Concen: 2.901 ug/l  
RT: 4.51 min Scan# 860  
Delta R.T. -0.00 min  
Lab File: VN064562.D  
Acq: 11 Nov 2020 18:03

Tgt Ion: 84 Resp: 8918  
Ion Ratio Lower Upper  
84 100  
49 124.6 110.1 165.1  
51 39.9 33.6 50.4  
86 70.3 52.1 78.1





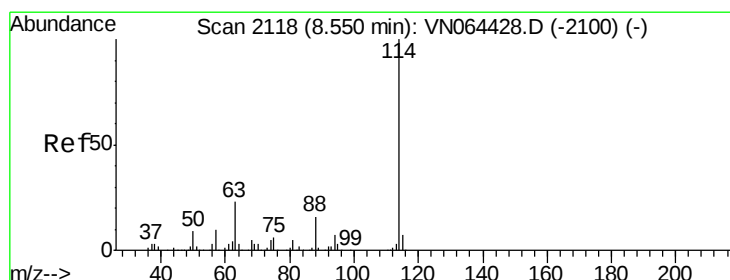
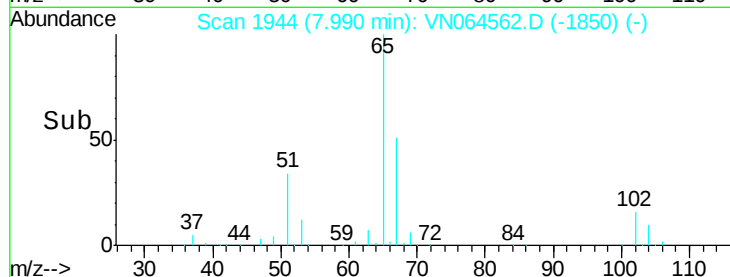
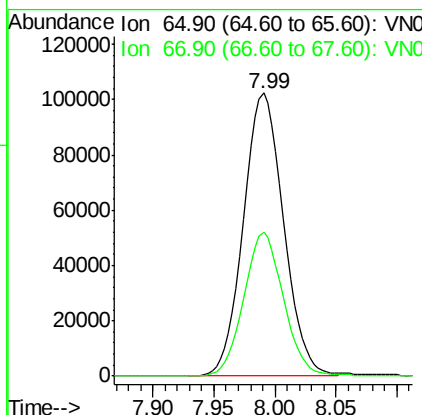
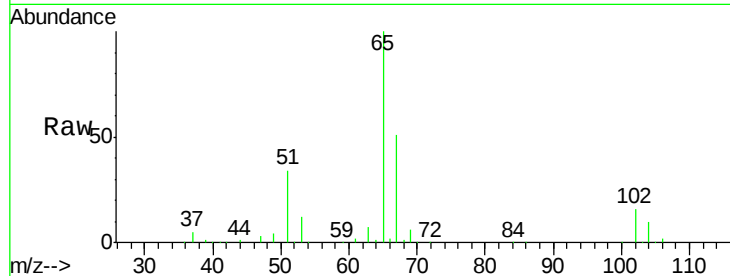
#33  
 1,2-Dichloroethane-d4  
 Concen: 57.444 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN064562.D  
 Acq: 11 Nov 2020 18:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132934ZHE#06

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 233645 |       |       |
| 67      | 50.2  | 0.0    | 101.6 |       |

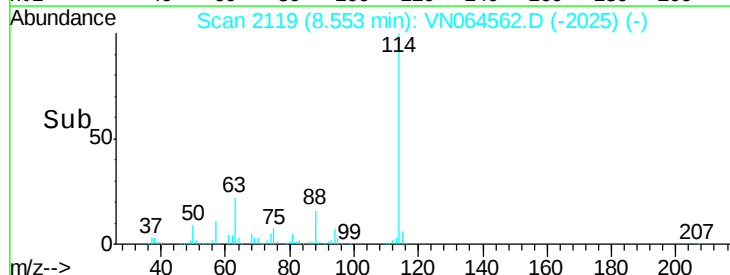
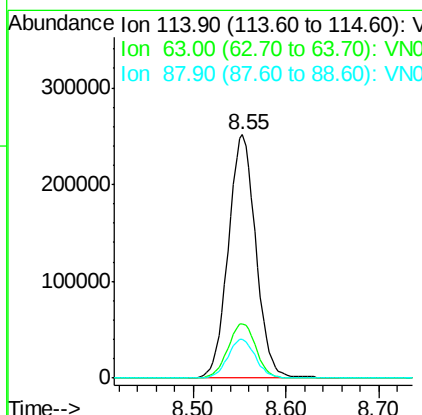
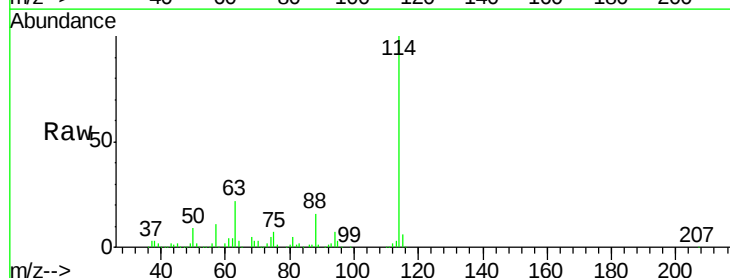
Manual Integrations  
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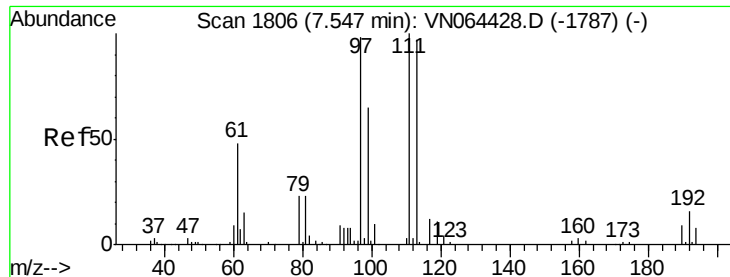
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 11/12/2020 9:12:54 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN064562.D  
 Acq: 11 Nov 2020 18:03

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 518727 |       |       |
| 63      | 22.3  | 0.0    | 45.6  |       |
| 88      | 15.8  | 0.0    | 32.8  |       |





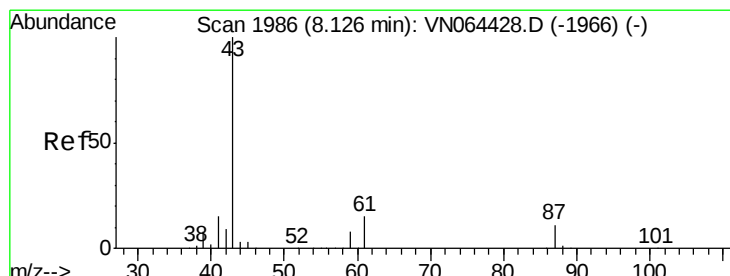
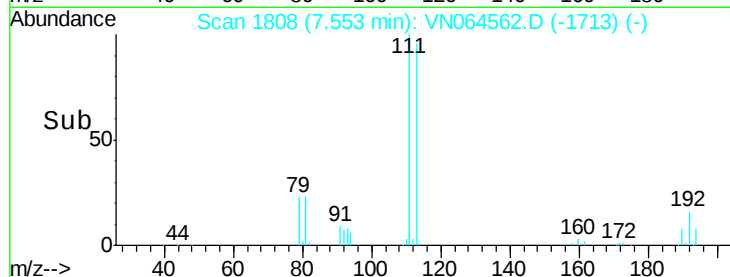
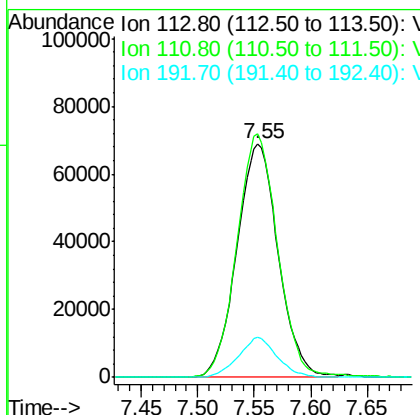
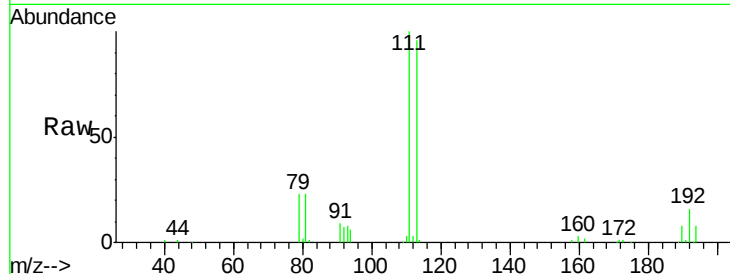
#35  
 Dibromofluoromethane  
 Concen: 49.582 ug/l  
 RT: 7.55 min Scan# 1808  
 Delta R.T. 0.01 min  
 Lab File: VN064562.D  
 Acq: 11 Nov 2020 18:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132934ZHE#06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 81.1  | 121.7 |
| 192     | 16.1  | 12.8  | 19.2  |

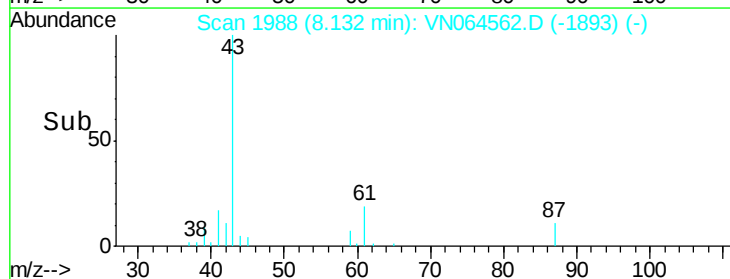
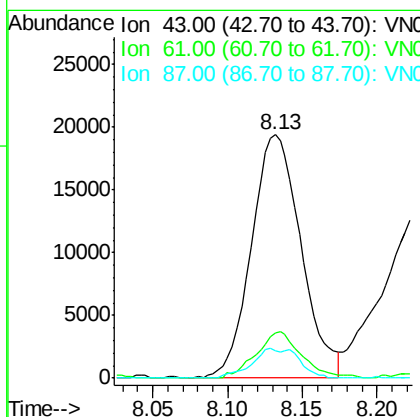
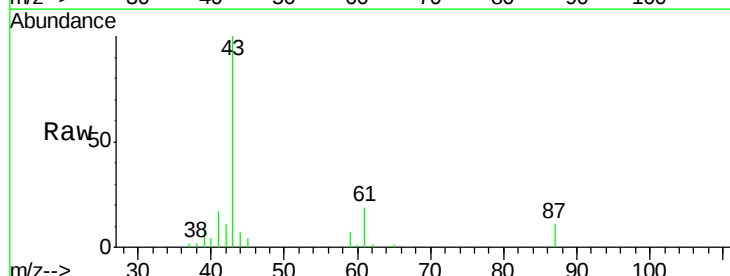
Manual Integrations  
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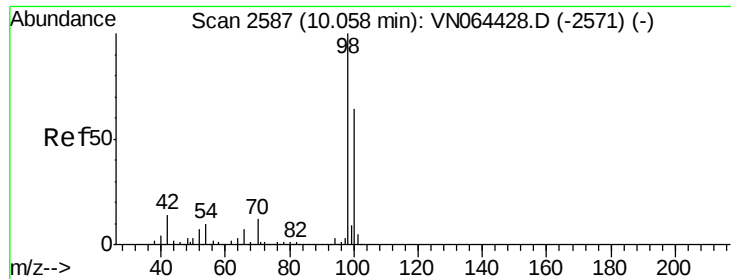
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#43  
 Isopropyl Acetate  
 Concen: 5.039 ug/l  
 RT: 8.13 min Scan# 1988  
 Delta R.T. 0.01 min  
 Lab File: VN064562.D  
 Acq: 11 Nov 2020 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.5  | 14.0  | 21.0  |
| 87      | 6.9   | 9.1   | 13.7# |





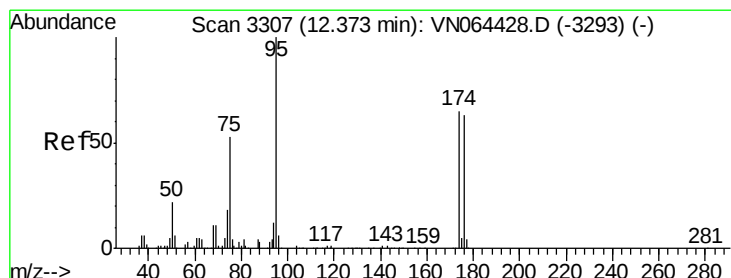
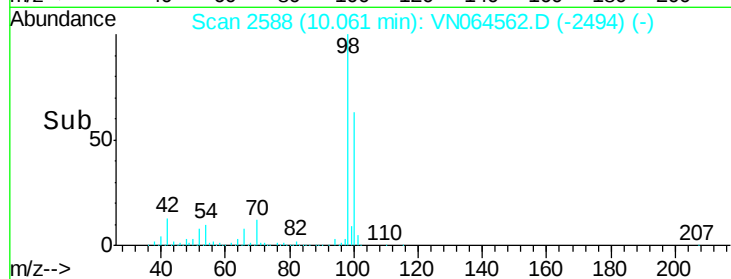
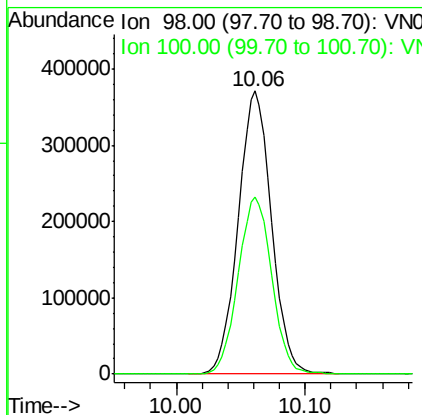
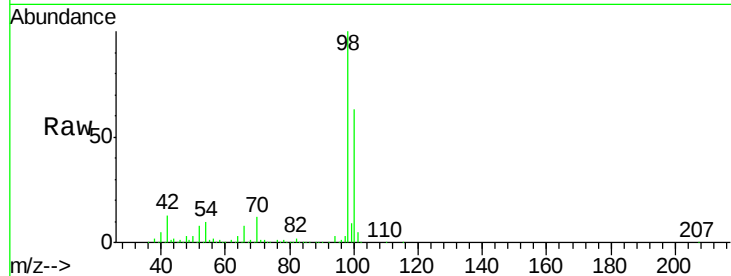
#50  
Toluene-d8  
Concen: 48.896 ug/l  
RT: 10.06 min Scan# 2588  
Delta R.T. 0.00 min  
Lab File: VN064562.D  
Acq: 11 Nov 2020 18:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132934ZHE#06

Tot Ion: 98 Resp: 667450  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.7 76.1

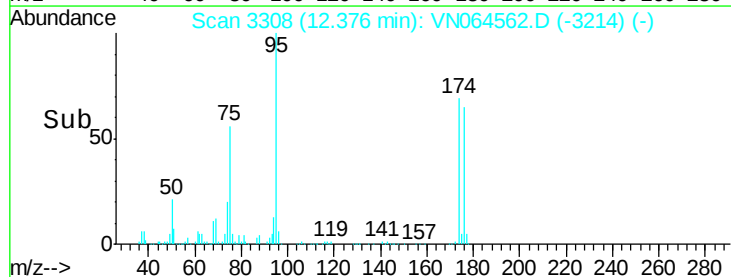
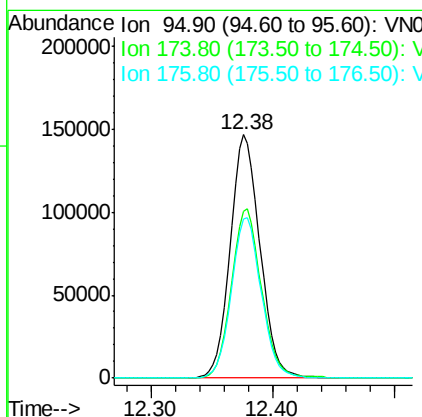
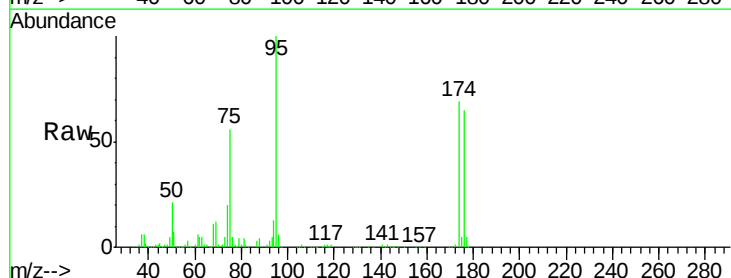
Manual Integrations  
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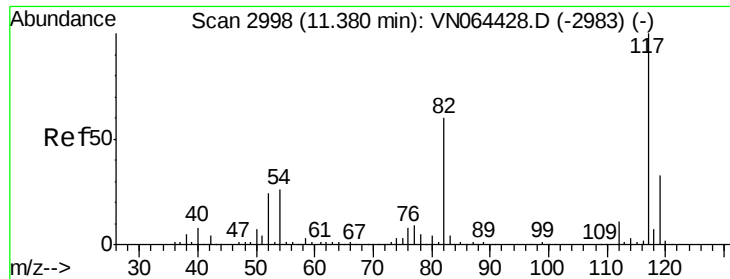
MMDadoda  
11/12/2020 9:12:54 AM



#62  
4-Bromofluorobenzene  
Concen: 48.364 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064562.D  
Acq: 11 Nov 2020 18:03

Tgt Ion: 95 Resp: 249677  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 132.6  
176 65.9 0.0 129.2





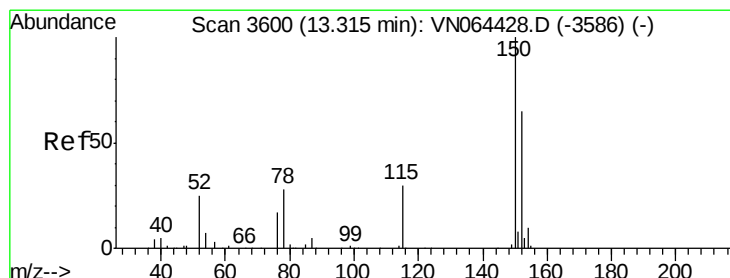
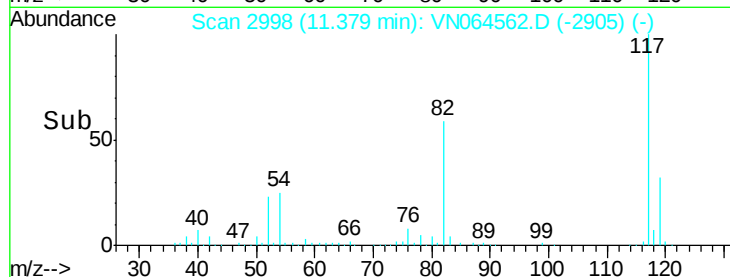
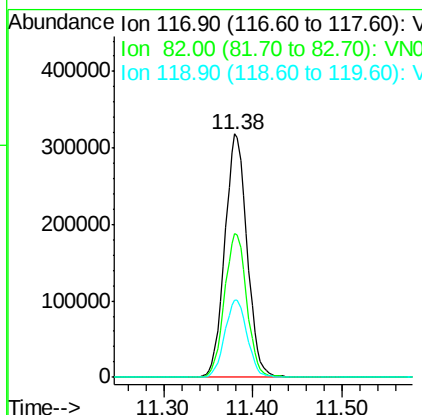
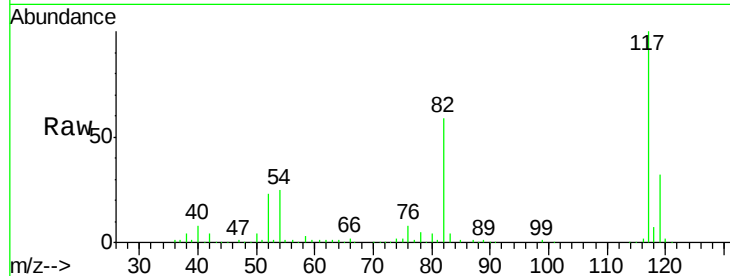
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Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064562.D  
Acq: 11 Nov 2020 18:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB132934ZHE#06

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.9  | 48.1  | 72.1  |
| 119     | 31.9  | 26.2  | 39.4  |

Manual Integrations  
APPROVED

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11/12/2020 9:12:54 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: VN064562.D  
Acq: 11 Nov 2020 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 66.7  | 32.0  | 96.0  |
| 150     | 160.8 | 0.0   | 353.8 |

