

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111220\  
 Data File : VN064620.D  
 Acq On : 13 Nov 2020 8:11  
 Operator : JC/MD  
 Sample : L4705-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 COMP-2

Manual Integrations  
 APPROVED

MMDadoda  
 11/13/2020 11:44:23 AM

Quant Time: Nov 13 08:36:17 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  | 226501   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 504418   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 539954   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 209245   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 232451   | 58.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.84% |          |
| 35) Dibromofluoromethane    | 7.55  | 113  | 170958   | 49.78  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.56%  |          |
| 50) Toluene-d8              | 10.06 | 98   | 649533   | 48.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.86%  |          |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 247783   | 49.36  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 98.72%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.78  | 43   | 25041    | 16.662 | ug/l    | 100      |
| 18) Methyl Acetate          | 4.29  | 43   | 6708     | 2.270  | ug/l #  | 65       |
| 20) Methylene Chloride      | 4.51  | 84   | 10142    | 3.401  | ug/l    | 90       |
| 25) 2-Butanone              | 6.81  | 43   | 10063m   | 5.255  | ug/l    |          |
| 40) Benzene                 | 8.01  | 78   | 31759    | 2.028  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.13  | 43   | 98700    | 11.429 | ug/l    | 100      |
| 52) Toluene                 | 10.13 | 92   | 35694    | 3.737  | ug/l    | 99       |
| 95) Naphthalene             | 15.10 | 128  | 23456    | 5.519  | ug/l    | 98       |

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

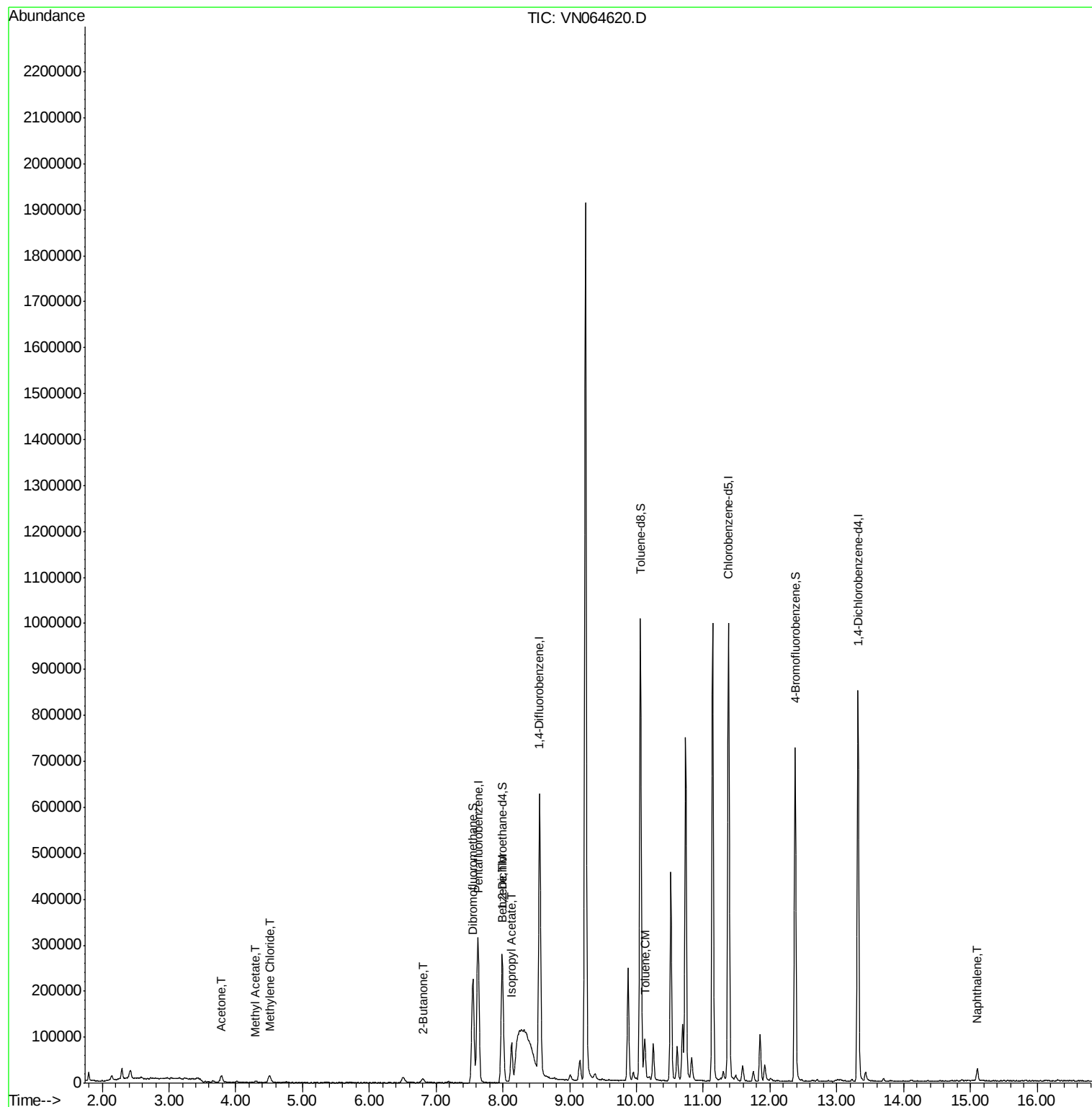
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111220\  
Data File : VN064620.D  
Acq On : 13 Nov 2020 8:11  
Operator : JC/MD  
Sample : L4705-03  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 54 Sample Multiplier: 1

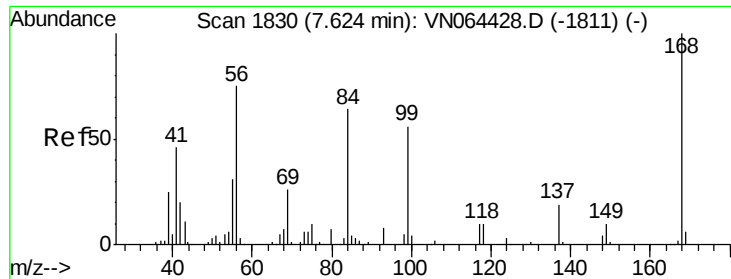
Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-2

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11/13/2020 11:44:23 AM

Quant Time: Nov 13 08:36:17 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# 1831

Delta R.T. 0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

Instrument :

MSVOA\_N

ClientSampled :

COMP-2

Tot Ion:168 Resp: 226501

Ion Ratio Lower Upper

168 100

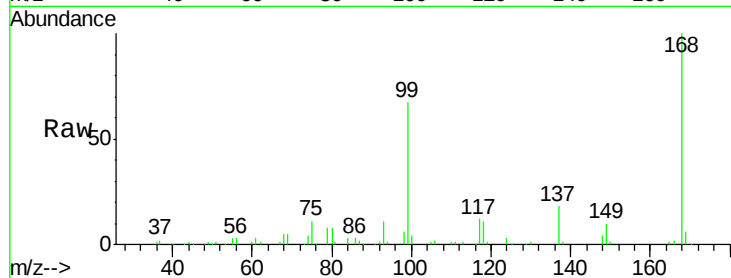
99 66.9 53.4 80.2

Manual Integrations

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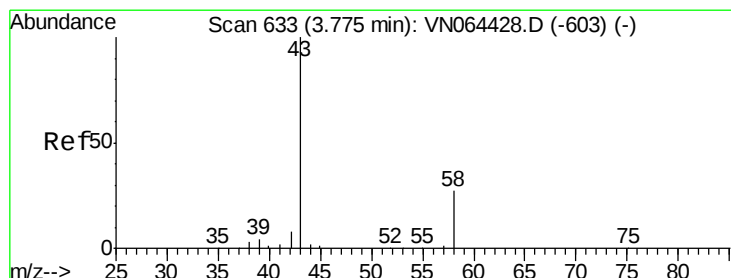
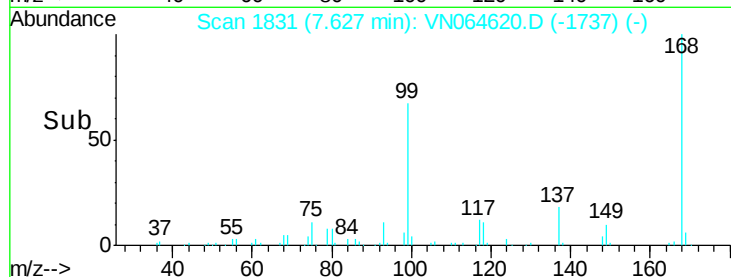
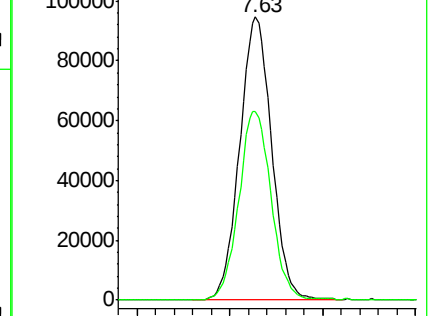
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 16.662 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064620.D

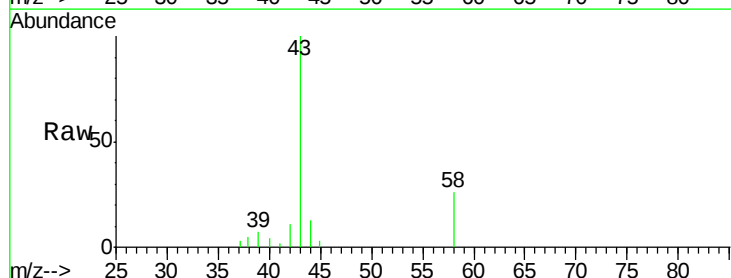
Acq: 13 Nov 2020 8:11

Tgt Ion: 43 Resp: 25041

Ion Ratio Lower Upper

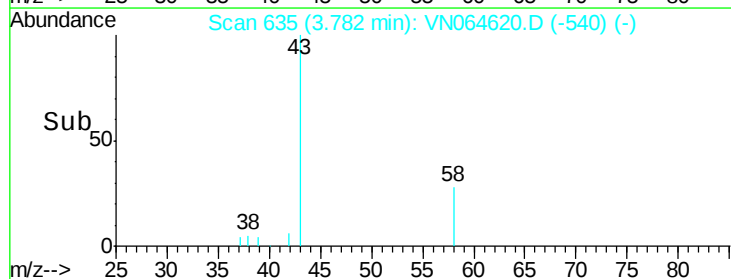
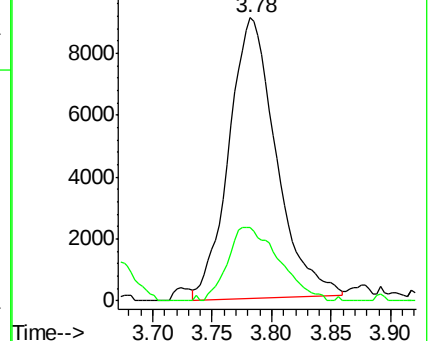
43 100

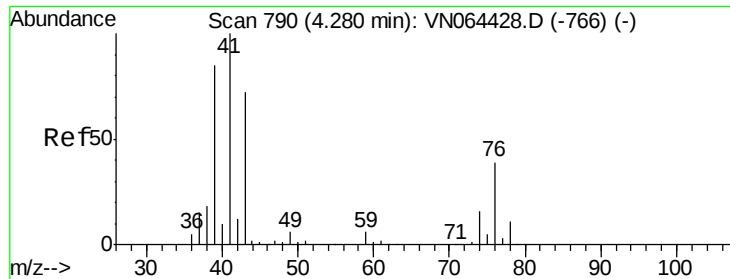
58 26.7 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





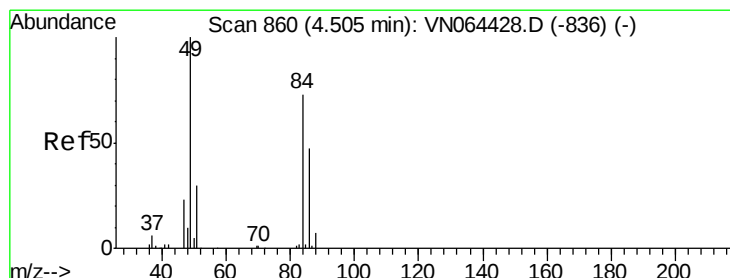
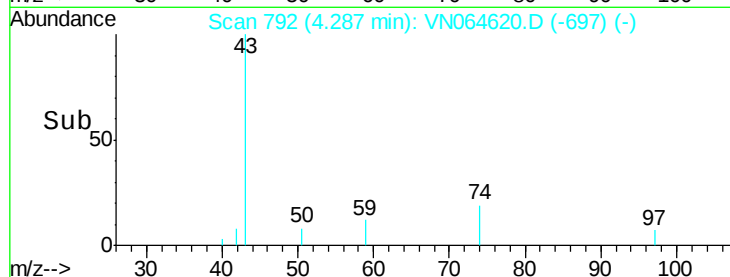
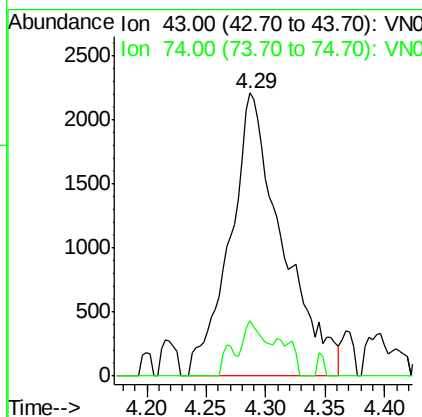
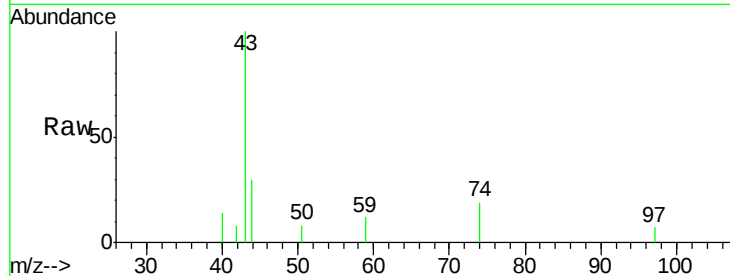
#18  
Methyl Acetate  
Concen: 2.270 ug/l  
RT: 4.29 min Scan# 792  
Delta R.T. 0.01 min  
Lab File: VN064620.D  
Acq: 13 Nov 2020 8:11

Instrument :  
MSVOA\_N  
ClientSampled :  
COMP-2

Tot Ion: 43 Resp: 6708  
Ion Ratio Lower Upper  
43 100  
74 4.9 17.0 25.4#

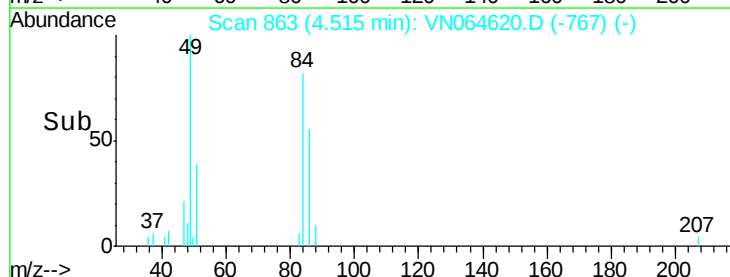
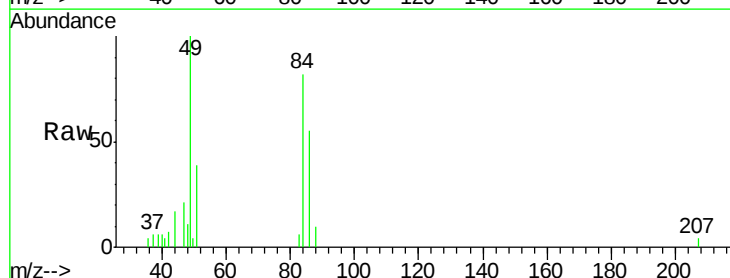
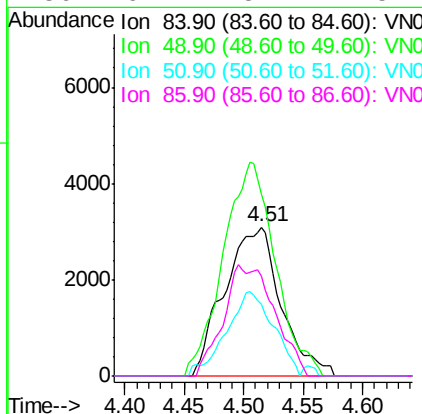
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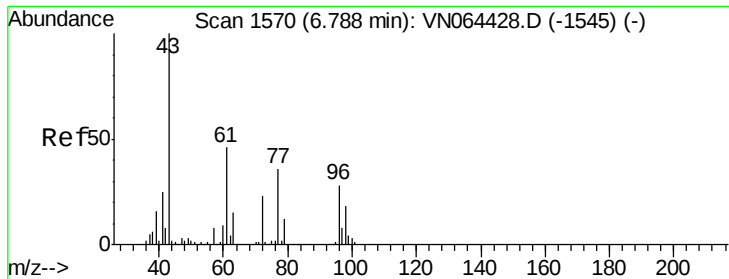
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#20  
Methylene Chloride  
Concen: 3.401 ug/l  
RT: 4.51 min Scan# 863  
Delta R.T. 0.01 min  
Lab File: VN064620.D  
Acq: 13 Nov 2020 8:11

Tgt Ion: 84 Resp: 10142  
Ion Ratio Lower Upper  
84 100  
49 122.3 110.1 165.1  
51 48.3 33.6 50.4  
86 67.4 52.1 78.1





#25

2-Butanone

Concen: 5.255 ug/l m

RT: 6.81 min Scan# 1577

Delta R.T. 0.02 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

Instrument :

MSVOA\_N

ClientSampleId :

COMP-2

Tot Ion: 43 Resp: 10063

Ion Ratio Lower Upper

43 100

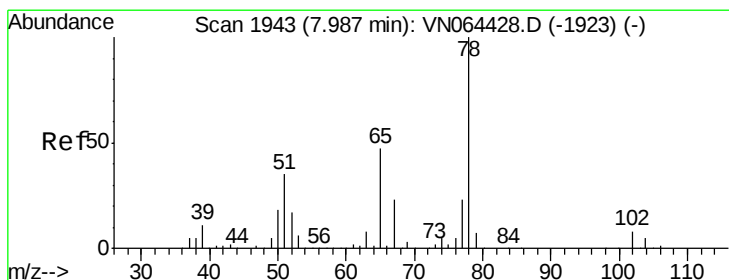
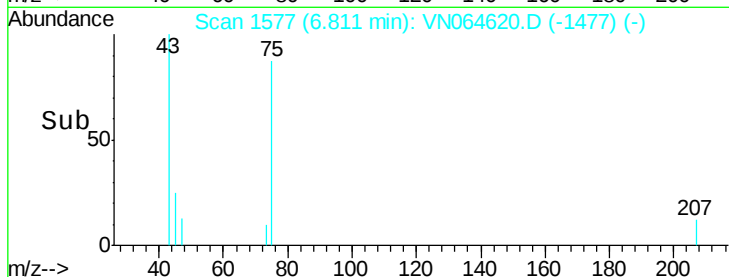
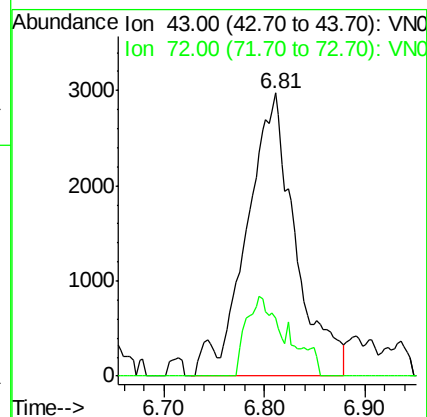
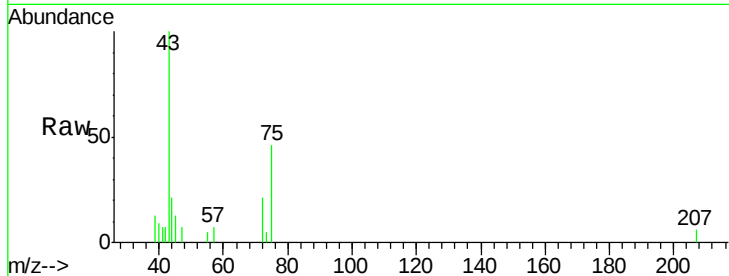
72 20.6 18.5 27.7

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#33

1,2-Dichloroethane-d4

Concen: 58.919 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064620.D

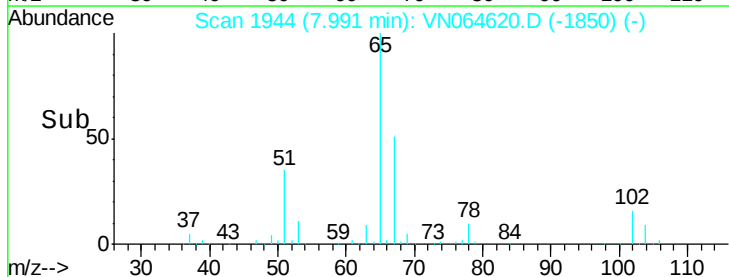
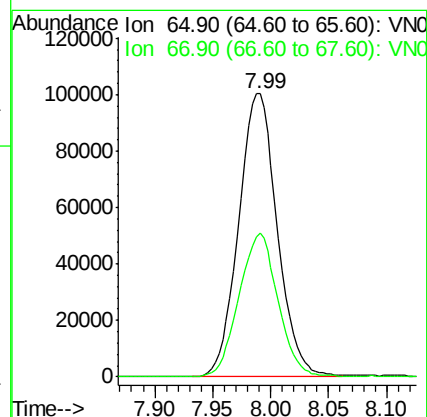
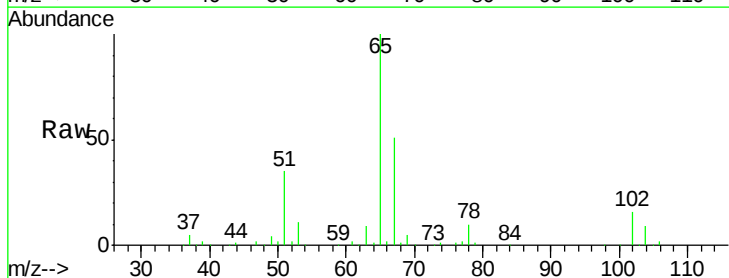
Acq: 13 Nov 2020 8:11

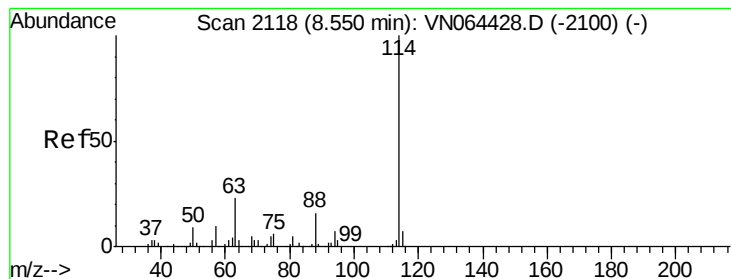
Tgt Ion: 65 Resp: 232451

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

Instrument :

MSVOA\_N

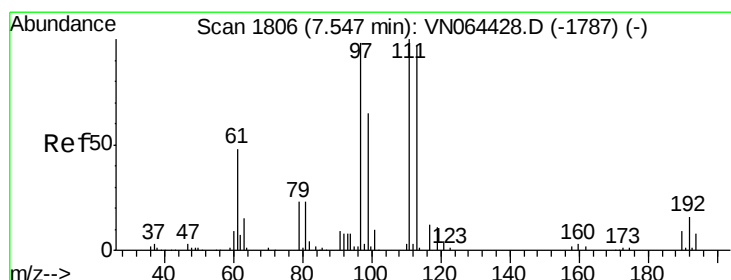
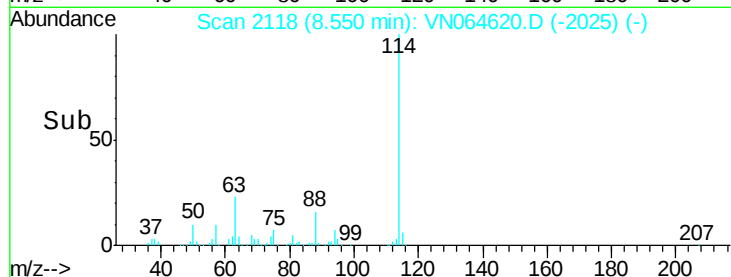
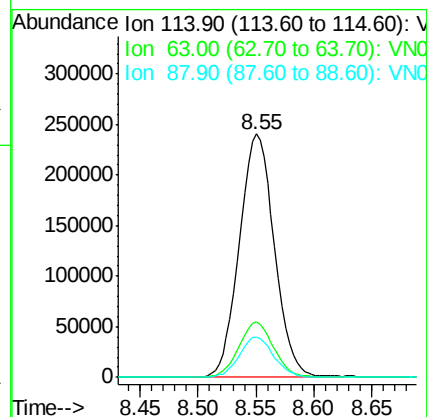
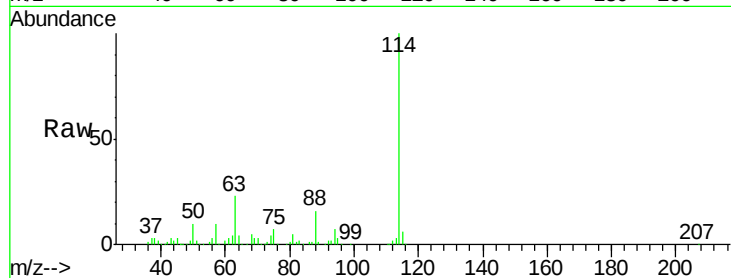
ClientSampleId :

COMP-2

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 114  | Resp: | 504418 |
| Ion Ratio |      | Lower | Upper  |
| 114       | 100  |       |        |
| 63        | 22.8 | 0.0   | 45.6   |
| 88        | 16.5 | 0.0   | 32.8   |

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#35

Dibromofluoromethane

Concen: 49.778 ug/l

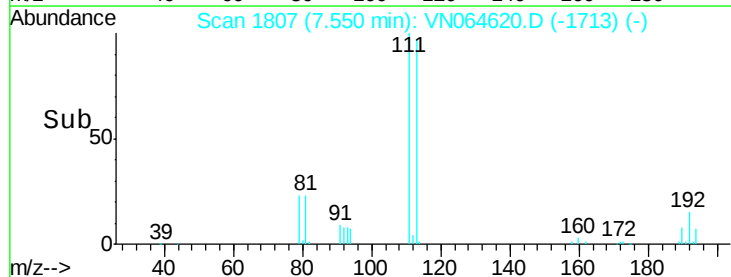
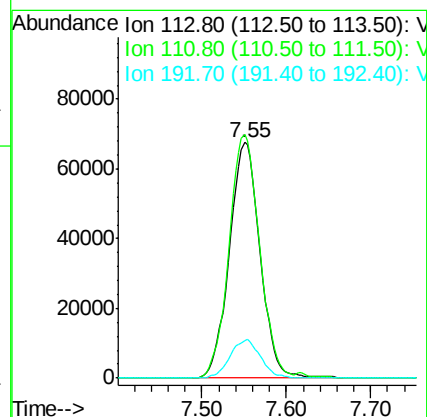
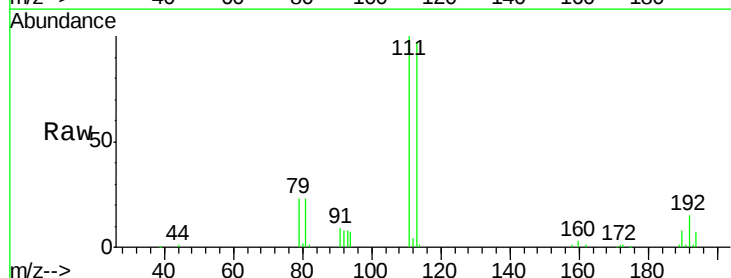
RT: 7.55 min Scan# 1807

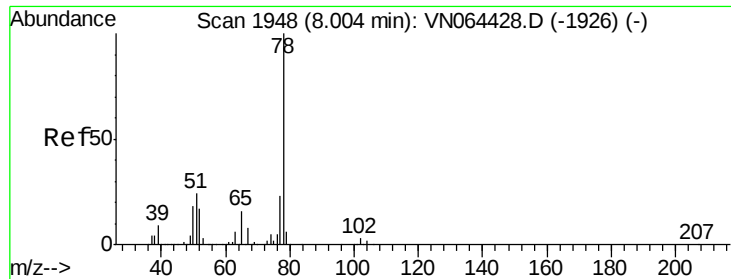
Delta R.T. 0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 113   | Resp: | 170958 |
| Ion Ratio |       | Lower | Upper  |
| 113       | 100   |       |        |
| 111       | 102.5 | 81.1  | 121.7  |
| 192       | 16.5  | 12.8  | 19.2   |





#40

Benzene

Concen: 2.028 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

Instrument :

MSVOA\_N

ClientSampled :

COMP-2

Tot Ion: 78 Resp: 31759

Ion Ratio Lower Upper

78 100

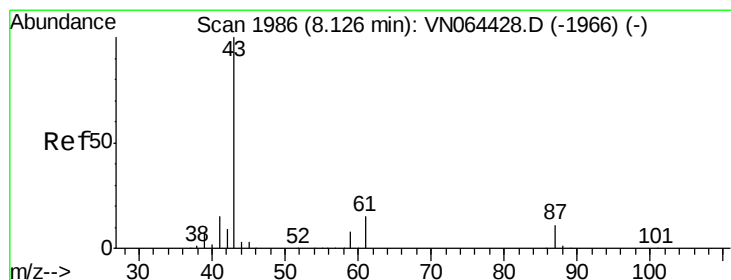
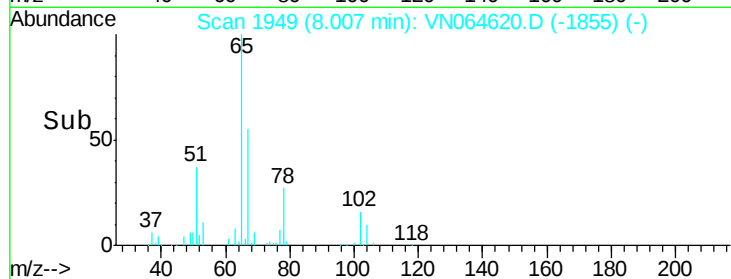
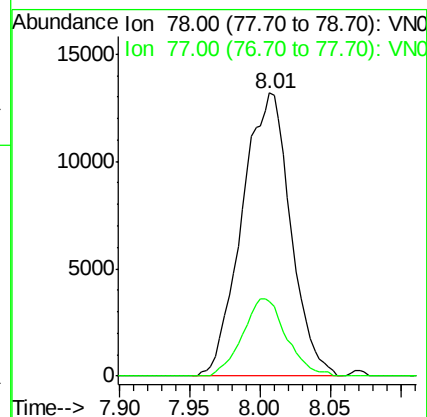
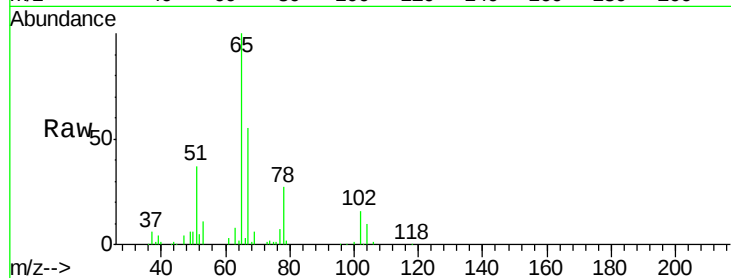
77 26.5 18.7 28.1

Manual Integrations

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#43

Isopropyl Acetate

Concen: 11.429 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

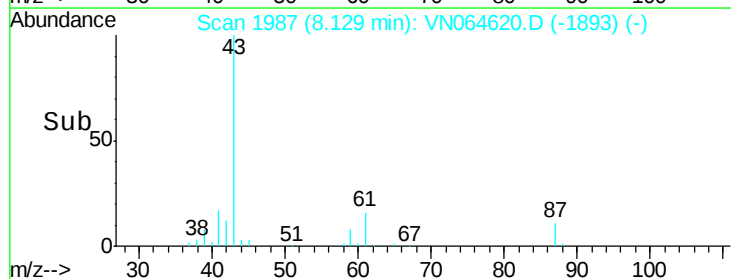
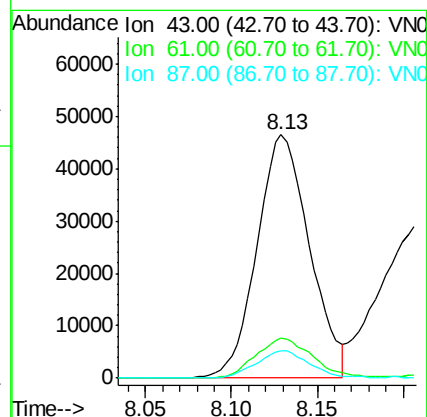
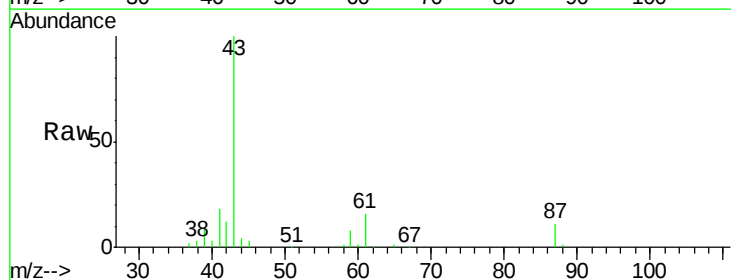
Tgt Ion: 43 Resp: 98700

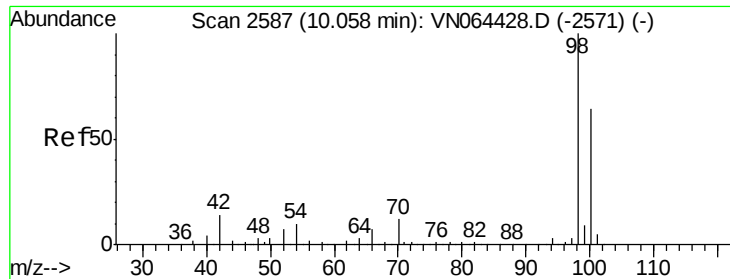
Ion Ratio Lower Upper

43 100

61 17.5 14.0 21.0

87 11.4 9.1 13.7





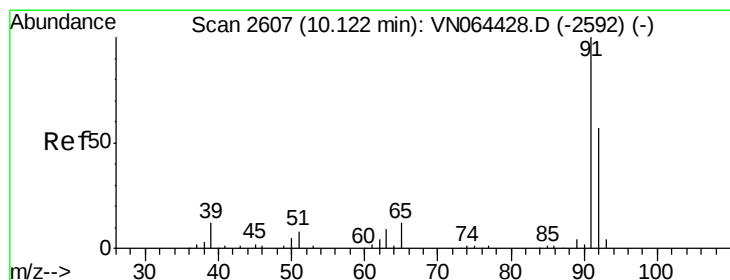
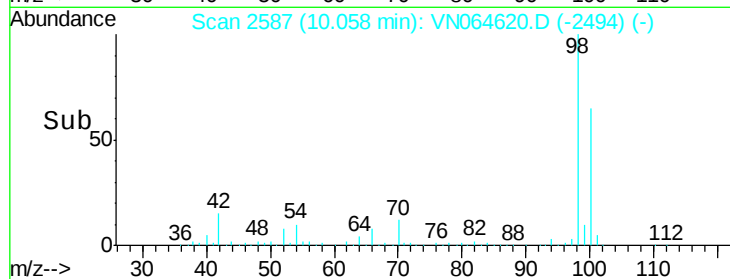
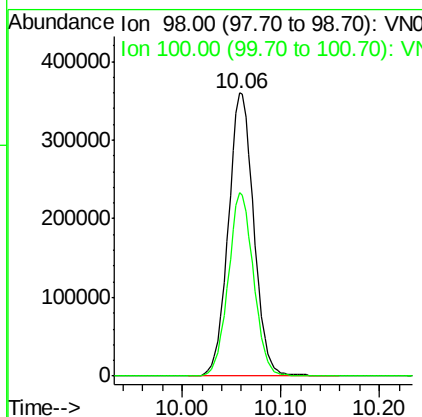
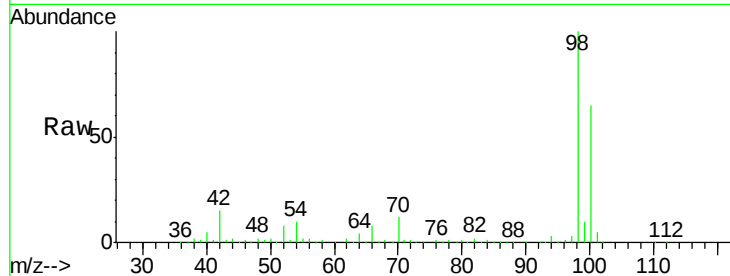
#50  
Toluene-d8  
Concen: 48.933 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN064620.D  
Acq: 13 Nov 2020 8:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
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Tot Ion: 98 Resp: 649533  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.7 76.1

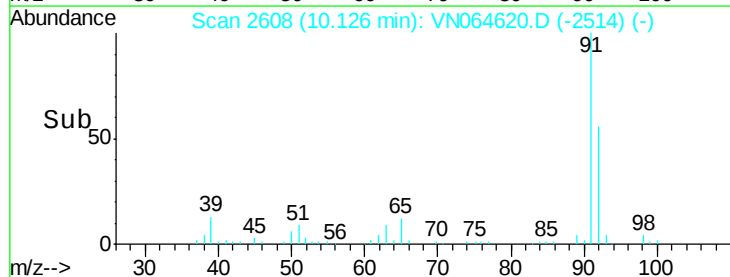
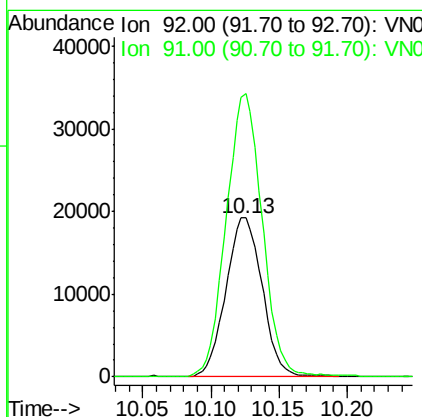
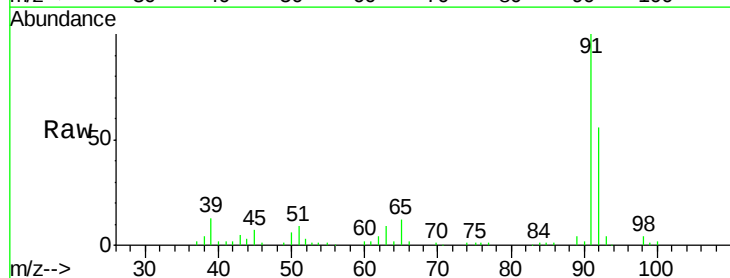
Manual Integrations  
APPROVED

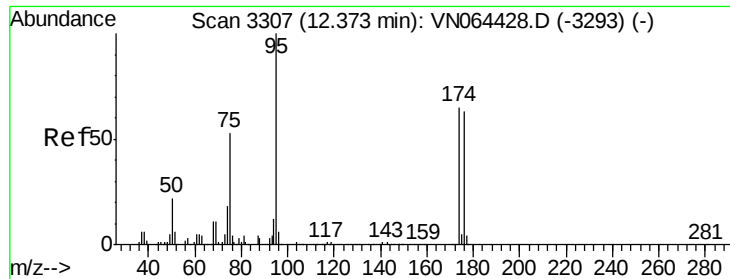
MMDadoda  
11/13/2020 11:44:23 AM



#52  
Toluene  
Concen: 3.737 ug/l  
RT: 10.13 min Scan# 2608  
Delta R.T. 0.00 min  
Lab File: VN064620.D  
Acq: 13 Nov 2020 8:11

Tgt Ion: 92 Resp: 35694  
Ion Ratio Lower Upper  
92 100  
91 175.8 139.6 209.4





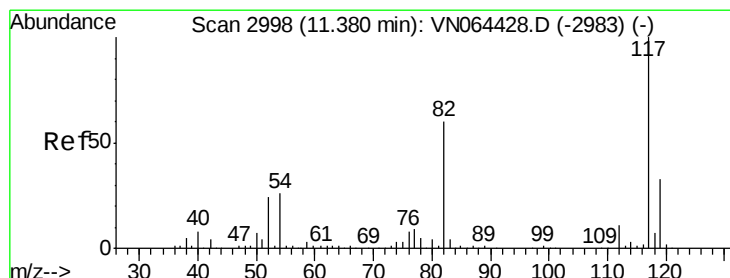
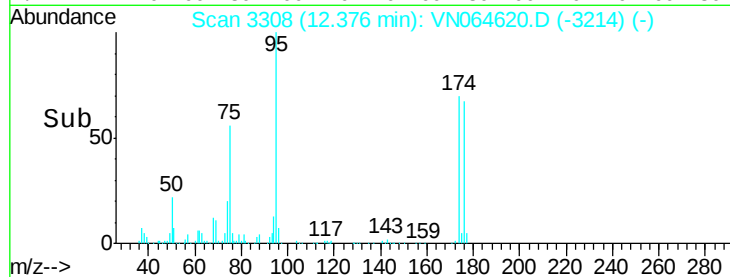
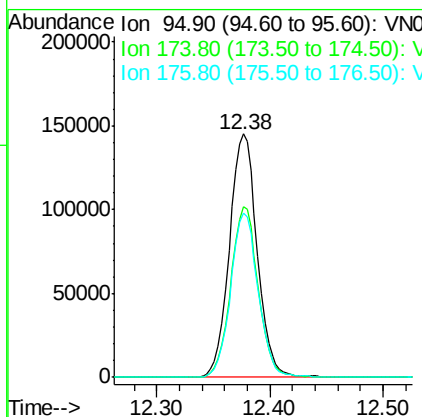
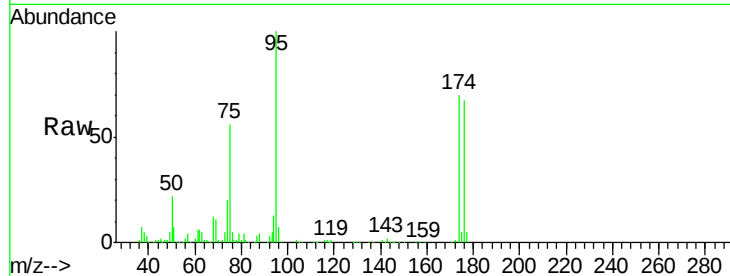
#62  
4-Bromofluorobenzene  
Concen: 49.359 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064620.D  
Acq: 13 Nov 2020 8:11

Instrument :  
MSVOA\_N  
ClientSampleId :  
COMP-2

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 247783 |       |       |
| 174     | 69.5  | 0.0    | 132.6 |       |
| 176     | 67.0  | 0.0    | 129.2 |       |

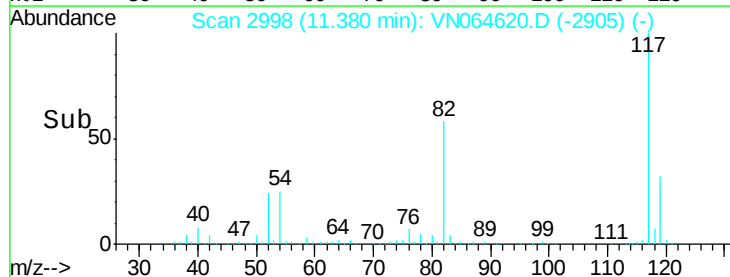
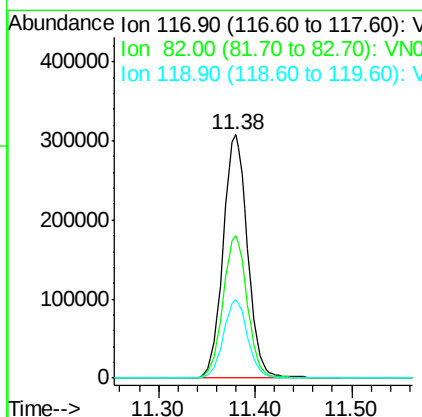
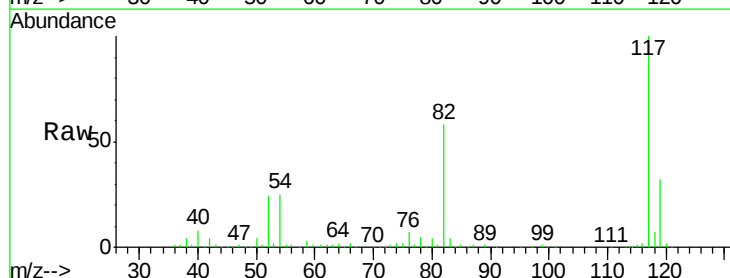
Manual Integrations  
APPROVED

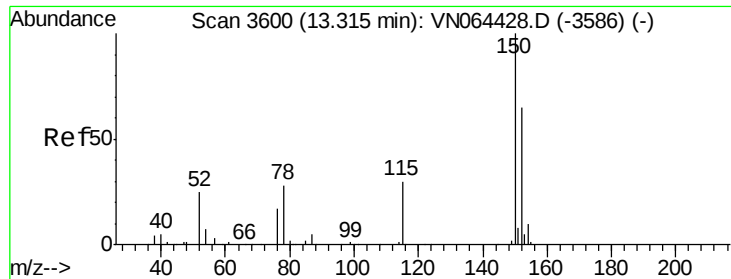
MMDadoda  
11/13/2020 11:44:23 AM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. -0.00 min  
Lab File: VN064620.D  
Acq: 13 Nov 2020 8:11

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 539954 |       |       |
| 82      | 58.5  | 48.1   | 72.1  |       |
| 119     | 32.1  | 26.2   | 39.4  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

Instrument :

MSVOA\_N

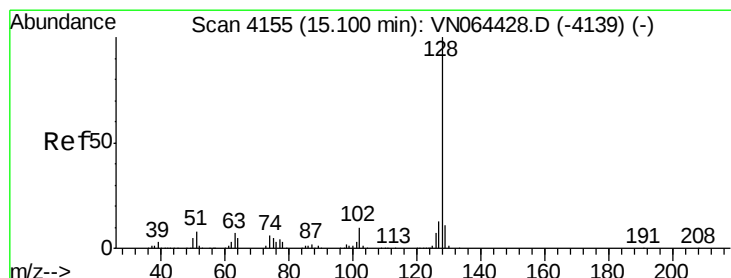
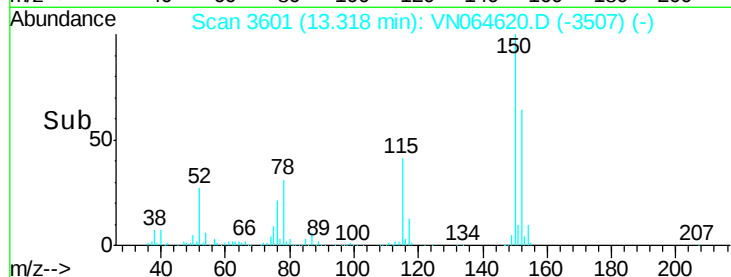
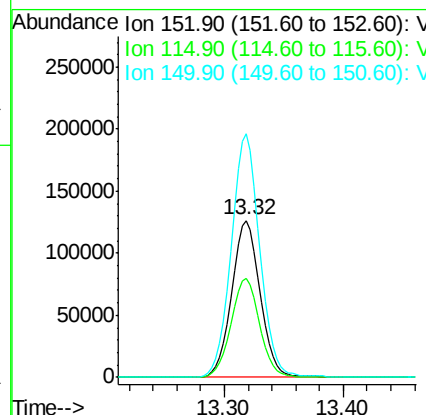
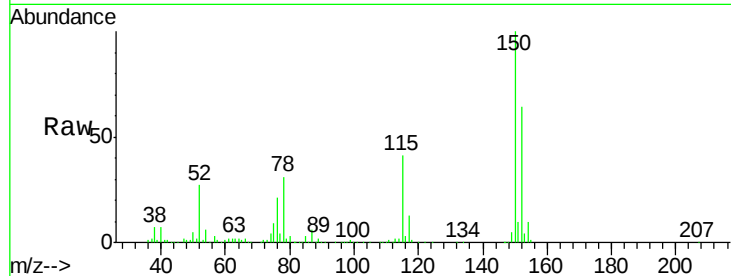
ClientSampleId :

COMP-2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 209245 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 63.6  | 32.0  | 96.0   |
| 150       | 154.4 | 0.0   | 353.8  |

Manual Integrations  
APPROVED

MMDadoda  
11/13/2020 11:44:23 AM



#95

Naphthalene

Concen: 5.519 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064620.D

Acq: 13 Nov 2020 8:11

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 23456 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 14.2  | 10.5  | 15.7  |
| 129       | 11.4  | 8.8   | 13.2  |

