

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\  
 Data File : VN049943.D  
 Acq On : 20 Jul 2018 3:40  
 Operator : MD\SY  
 Sample : J4035-18  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 5-B

Manual Integrations  
 APPROVED

MMDadoda  
 7/20/2018 11:08:09 AM

Quant Time: Jul 20 05:30:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 01:58:39 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response  | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|-----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 595701    | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 996597    | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 818903    | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 277660    | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |           |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 422519    | 51.60   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 103.20% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 373977    | 44.70   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 89.40%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1342202   | 44.03   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 88.06%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 352053    | 33.53   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =       | 67.06%  |          |
| Target Compounds            |       |      |           |         |         |          |
| 16) Acetone                 | 3.83  | 43   | 19737     | 9.31    | ug/l #  | 88       |
| 18) Methyl Acetate          | 4.34  | 43   | 29590     | 3.68    | ug/l    | 100      |
| 20) Methylene Chloride      | 4.49  | 84   | 59563342m | 7388.58 | ug/l    |          |
| 43) Isopropyl Acetate       | 8.17  | 43   | 385762    | 29.02   | ug/l #  | 87       |
| 59) 2-Hexanone              | 10.77 | 43   | 19698     | 3.95    | ug/l #  | 56       |
| 78) n-propylbenzene         | 12.59 | 91   | 41365     | 1.73    | ug/l    | 98       |
| 95) Naphthalene             | 15.14 | 128  | 39627     | 7.23    | ug/l    | 96       |

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

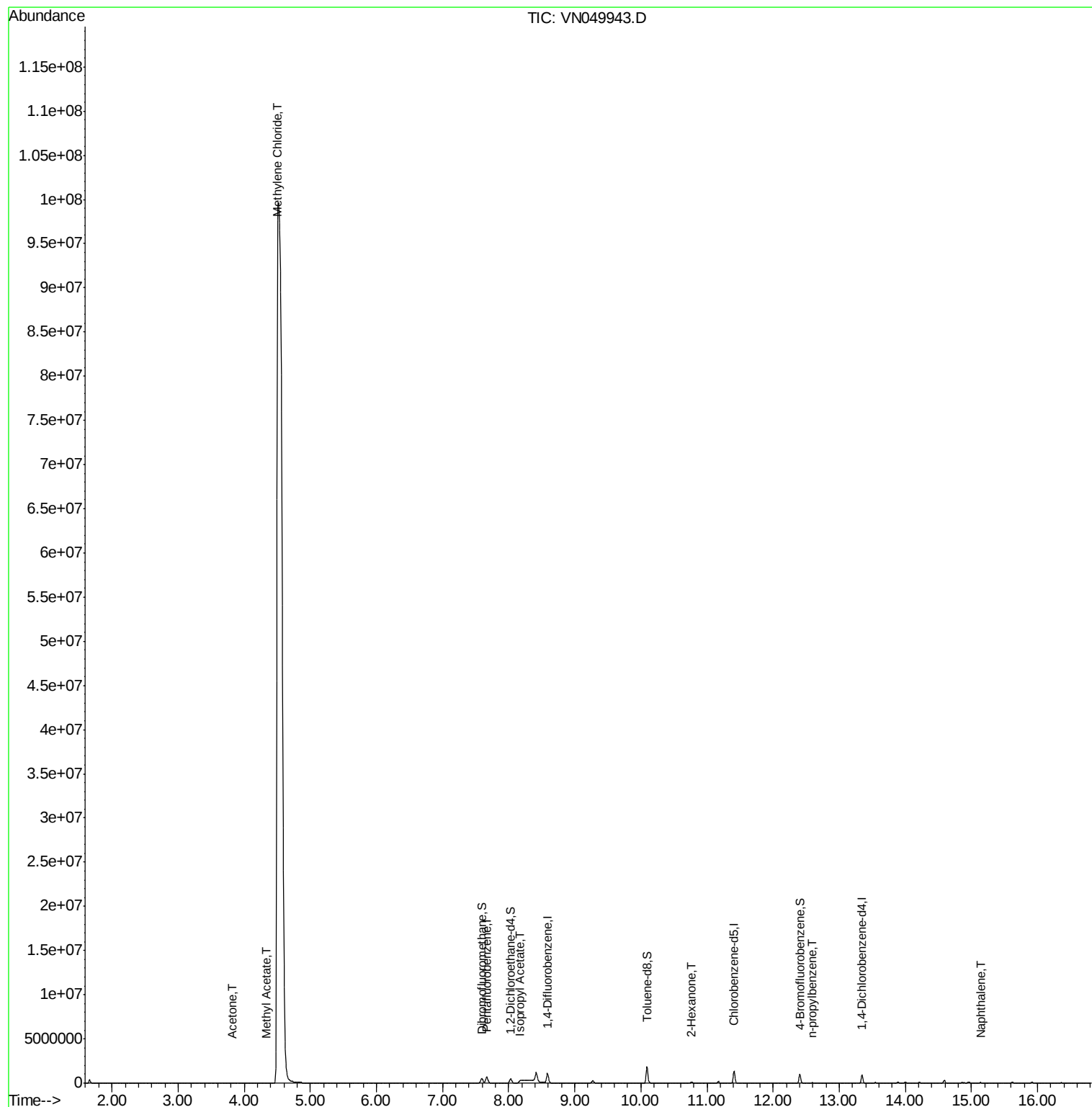
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\  
Data File : VN049943.D  
Acq On : 20 Jul 2018 3:40  
Operator : MD\SY  
Sample : J4035-18  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 42 Sample Multiplier: 1

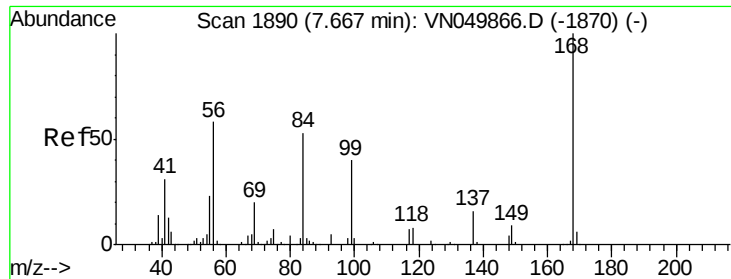
Instrument :  
MSVOA\_N  
ClientSampleId :  
5-B

Manual Integrations  
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7/20/2018 11:08:09 AM

Quant Time: Jul 20 05:30:50 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 19 01:58:39 2018  
Response via : Initial Calibration





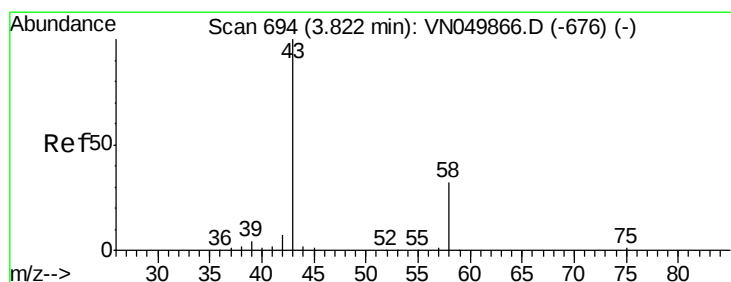
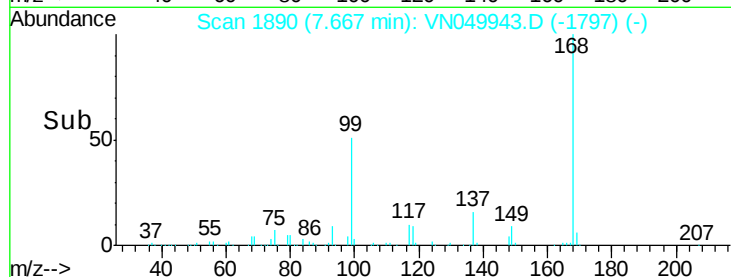
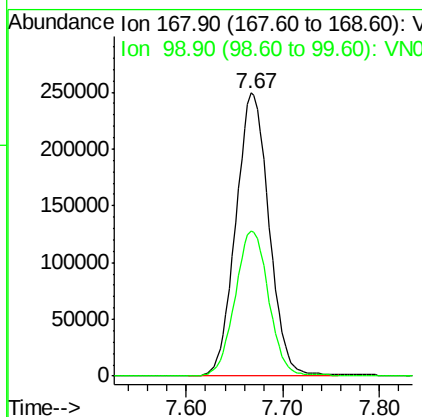
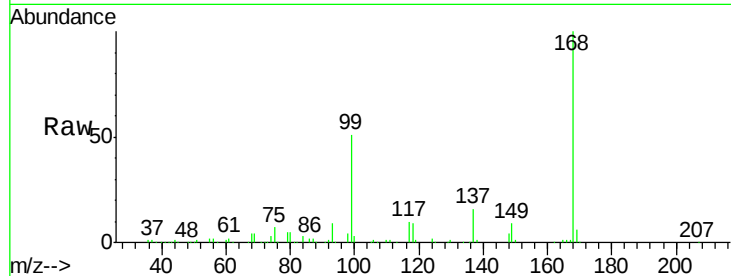
#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.67 min Scan# 1890  
Delta R.T. -0.00 min  
Lab File: VN049943.D  
Acq: 20 Jul 2018 3:40

Instrument :  
MSVOA\_N  
ClientSampled :  
5-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 51.4  | 40.6  | 61.0  |

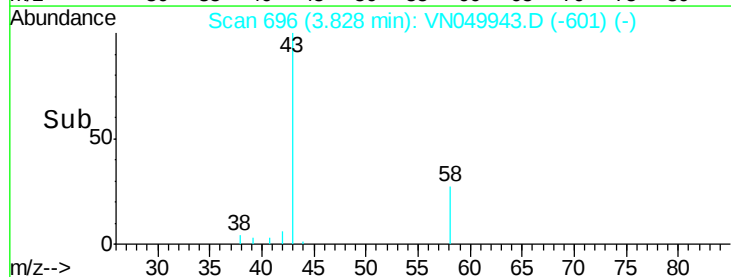
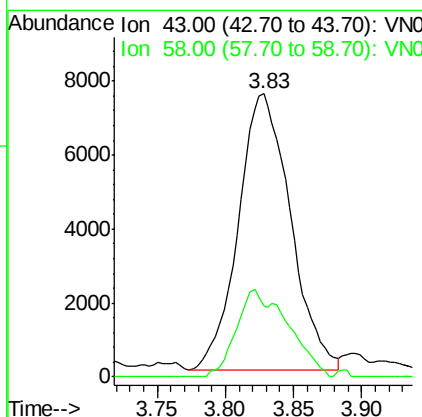
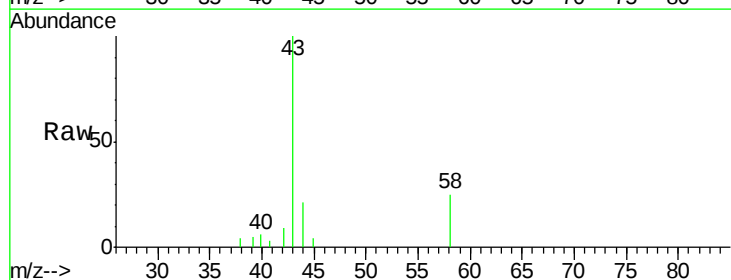
Manual Integrations  
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#16  
Acetone  
Concen: 9.31 ug/l  
RT: 3.83 min Scan# 696  
Delta R.T. 0.01 min  
Lab File: VN049943.D  
Acq: 20 Jul 2018 3:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 25.9  | 25.9  | 38.9# |





#18

Methvl Acetate

Concen: 3.68 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

Instrument :

MSVOA\_N

ClientSampleId :

5-B

Tot Ion: 43 Resp: 29590

Ion Ratio Lower Upper

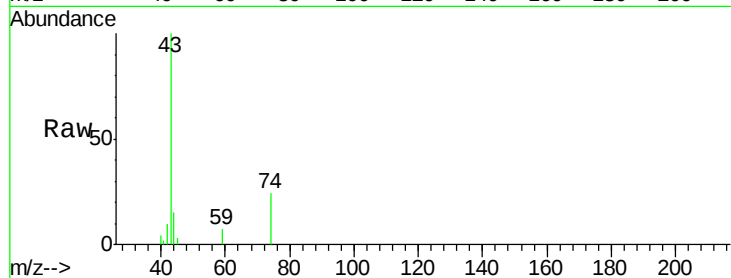
43 100

74 24.6 19.8 29.8

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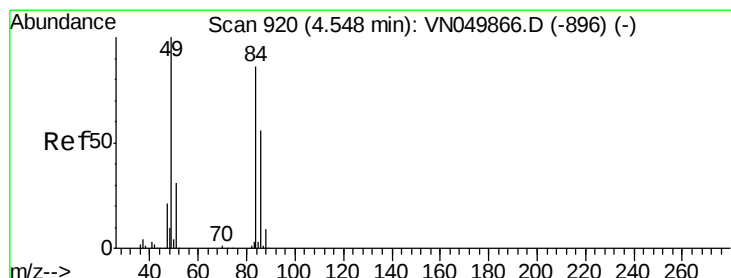
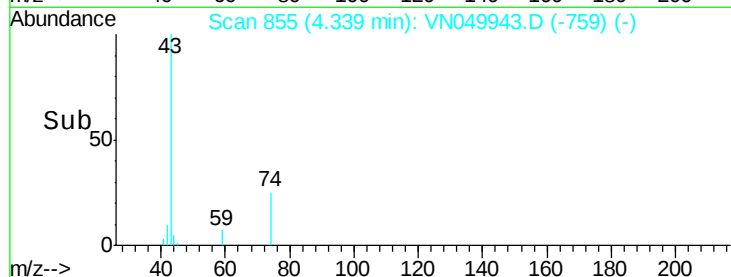
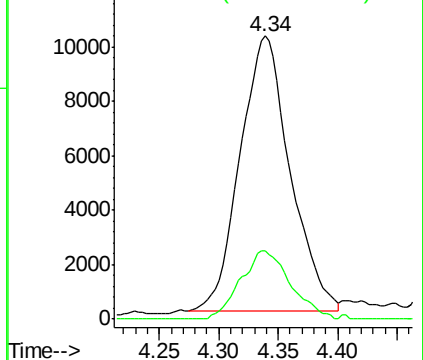
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Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC



#20

Methylene Chloride

Concen: 7388.58 ug/l m

RT: 4.49 min Scan# 903

Delta R.T. -0.05 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

Tgt Ion: 84 Resp: 59563342

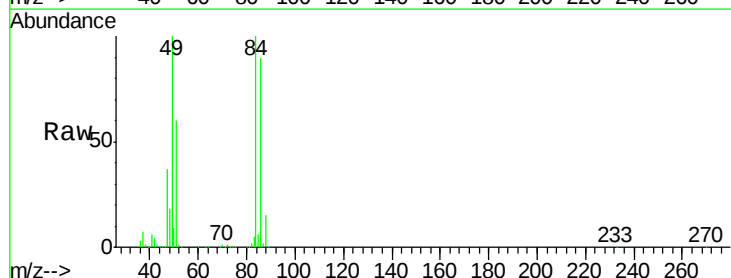
Ion Ratio Lower Upper

84 100

49 100.0 95.4 143.2

51 59.6 28.4 42.6#

86 90.2 52.6 79.0#

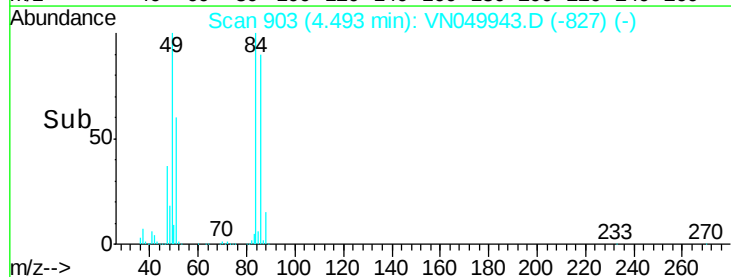
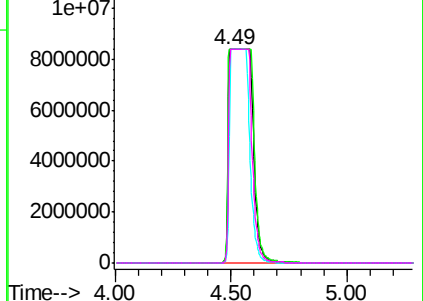


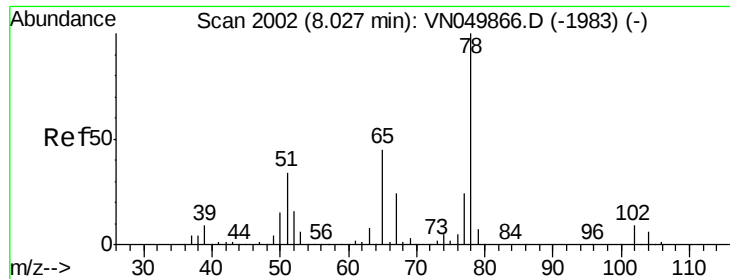
Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 51.60 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

Instrument :

MSVOA\_N

ClientSampled :

5-B

Tot Ion: 65 Resp: 422519

Ion Ratio Lower Upper

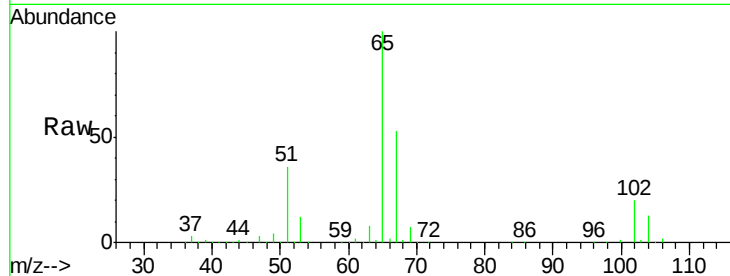
65 100

67 52.9 0.0 107.2

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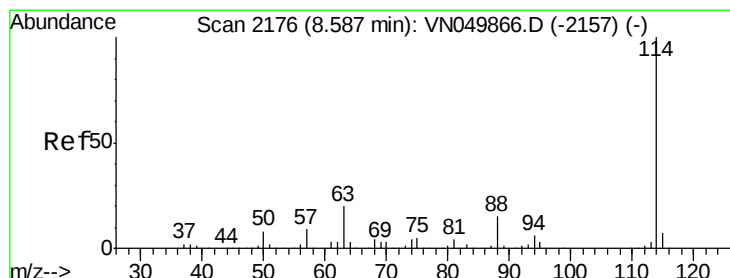
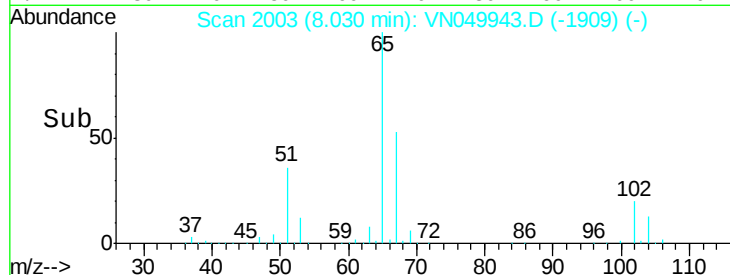
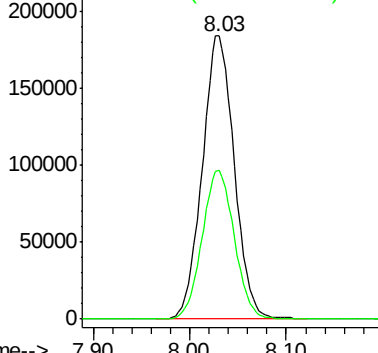
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

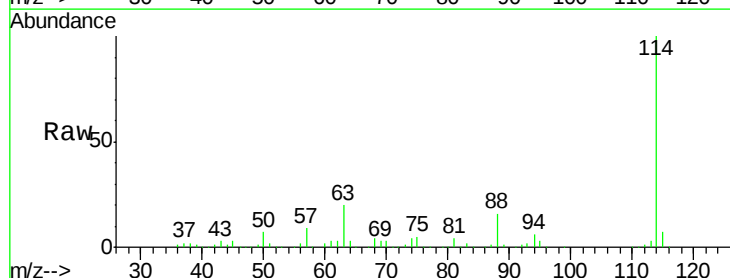
Tgt Ion: 114 Resp: 996597

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.8

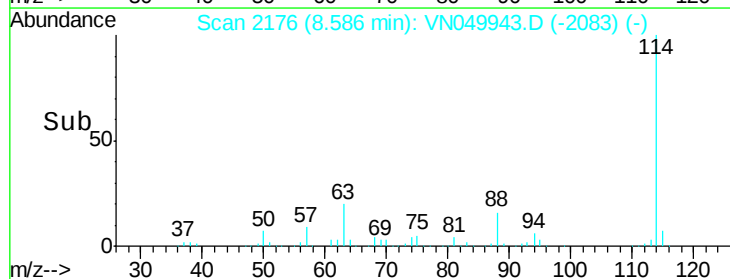
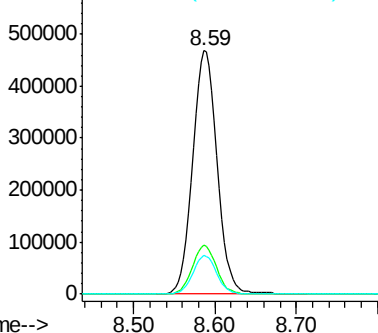
88 15.7 0.0 30.6

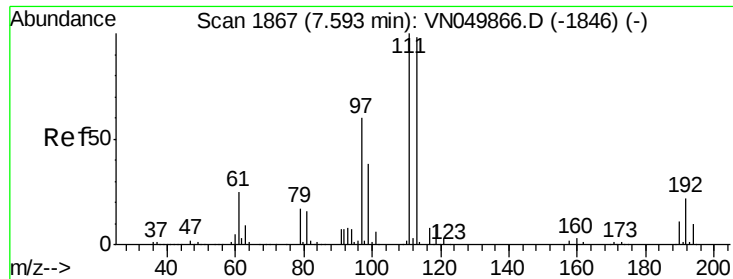


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 44.70 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049943.D

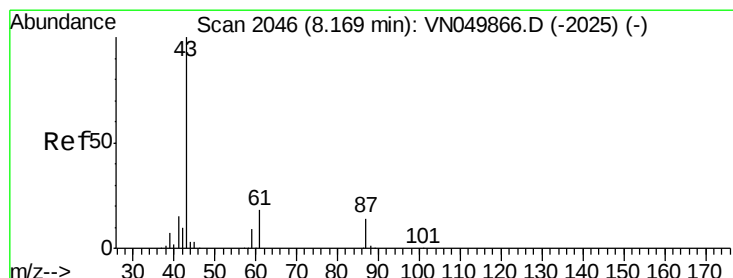
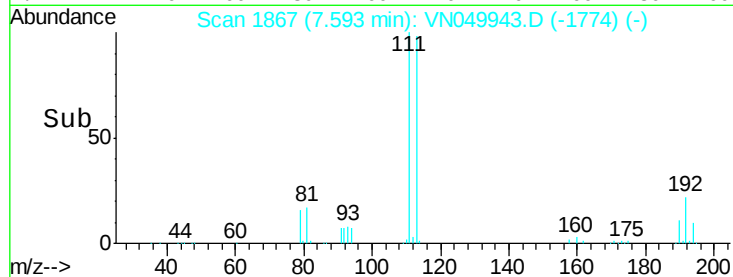
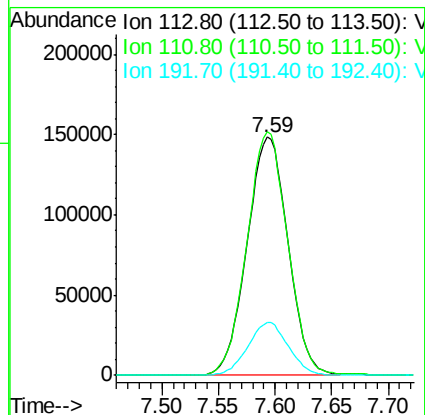
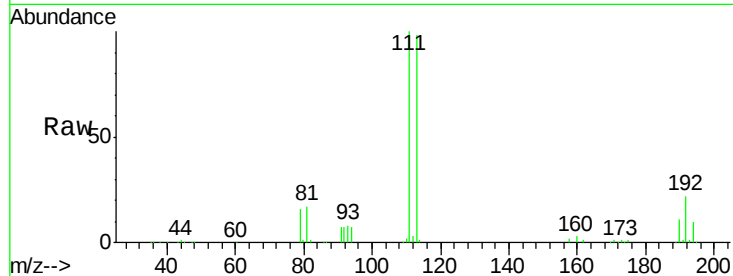
Acq: 20 Jul 2018 3:40

Instrument :  
MSVOA\_N  
ClientSampled :  
5-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 373977 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 101.4 | 81.8  | 122.8  |
| 192      | 21.9  | 17.8  | 26.6   |

Manual Integrations  
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#43

Isopropyl Acetate

Concen: 29.02 ug/l

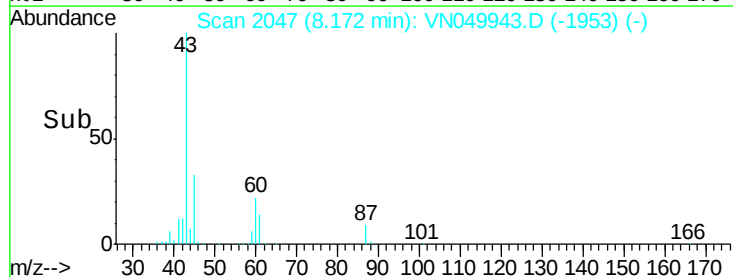
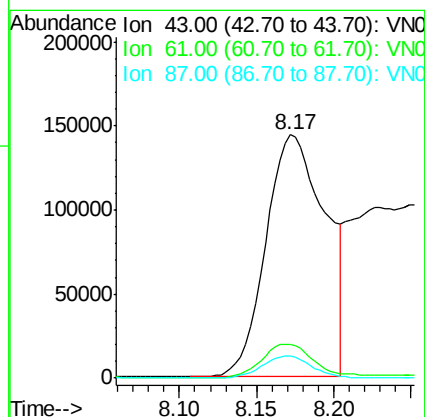
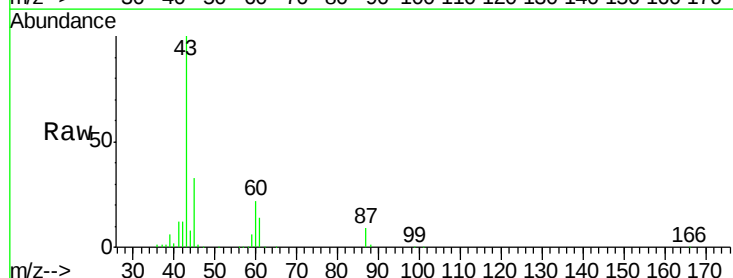
RT: 8.17 min Scan# 2047

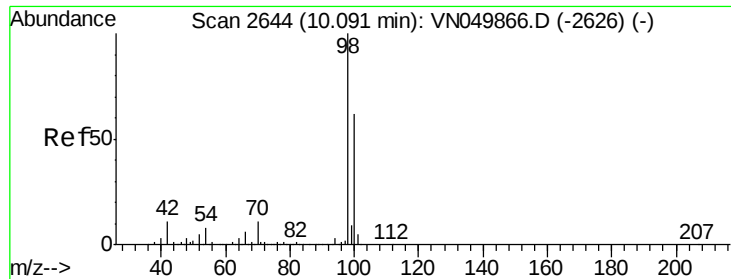
Delta R.T. 0.00 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 385762 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 12.7  | 14.9  | 22.3#  |
| 87       | 7.6   | 10.0  | 15.0#  |





#50

Toluene-d8

Concen: 44.03 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

Instrument :

MSVOA\_N

ClientSampled :

5-B

Tot Ion: 98 Resp: 1342202

Ion Ratio Lower Upper

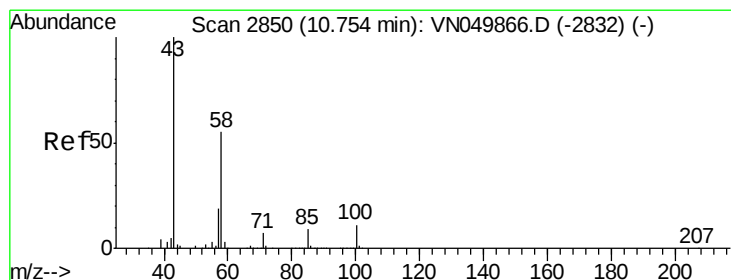
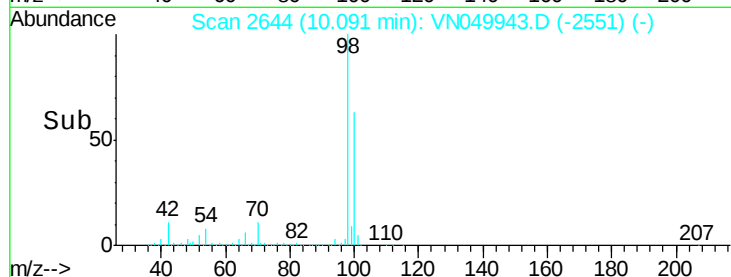
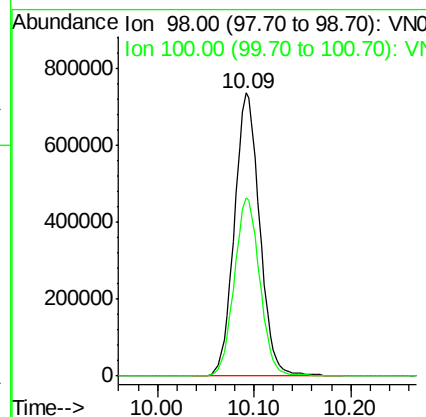
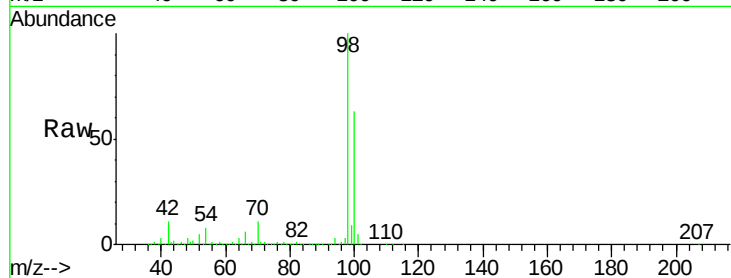
98 100

100 63.5 51.7 77.5

Manual Integrations  
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#59

2-Hexanone

Concen: 3.95 ug/l

RT: 10.77 min Scan# 2855

Delta R.T. 0.02 min

Lab File: VN049943.D

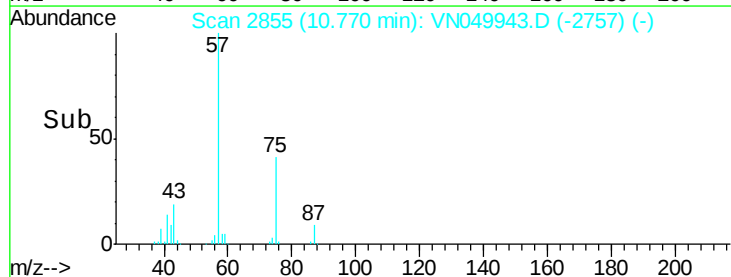
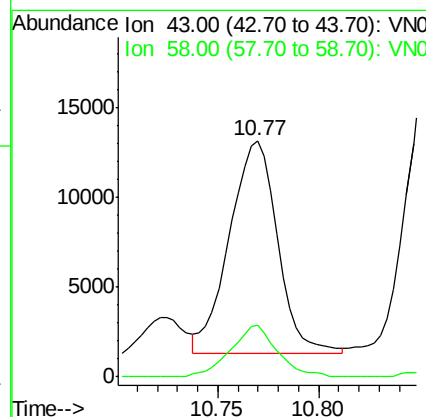
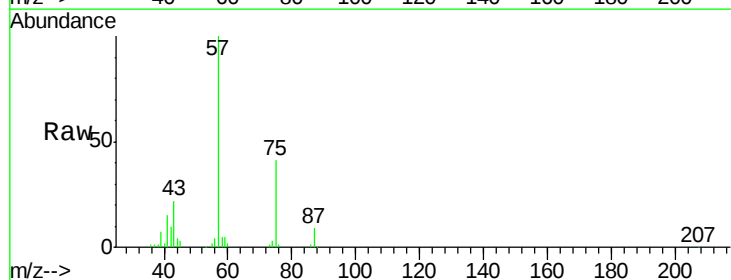
Acq: 20 Jul 2018 3:40

Tgt Ion: 43 Resp: 19698

Ion Ratio Lower Upper

43 100

58 23.4 27.8 83.4#





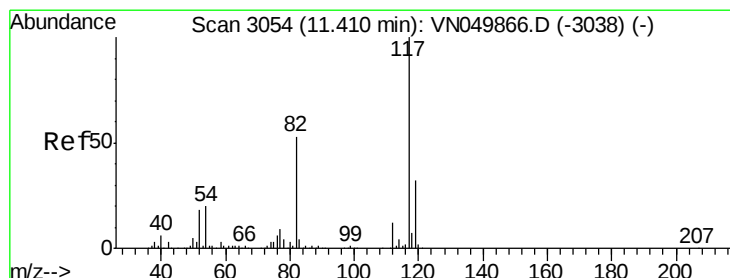
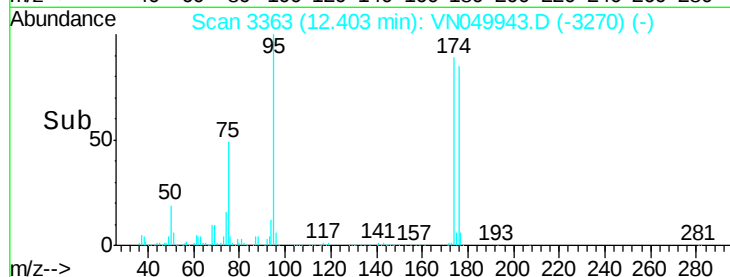
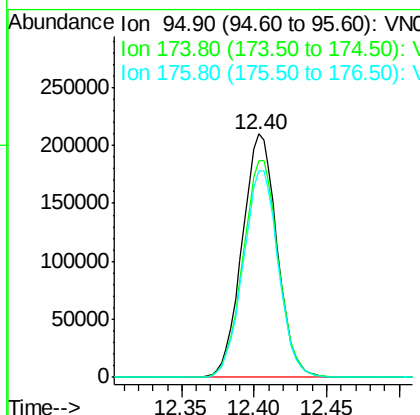
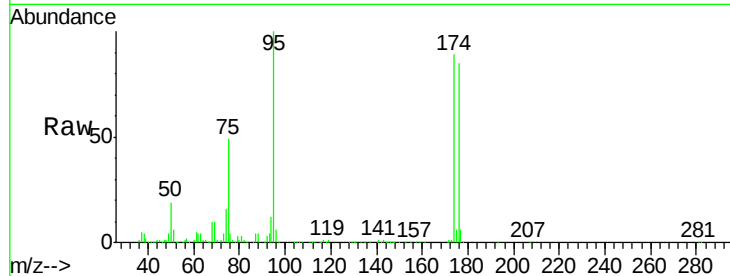
#62  
4-Bromofluorobenzene  
Concen: 33.53 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049943.D  
Acq: 20 Jul 2018 3:40

Instrument :  
MSVOA\_N  
ClientSampled :  
5-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 352053 |       |       |
| 174     | 90.5  | 0.0    | 179.6 |       |
| 176     | 85.5  | 0.0    | 174.0 |       |

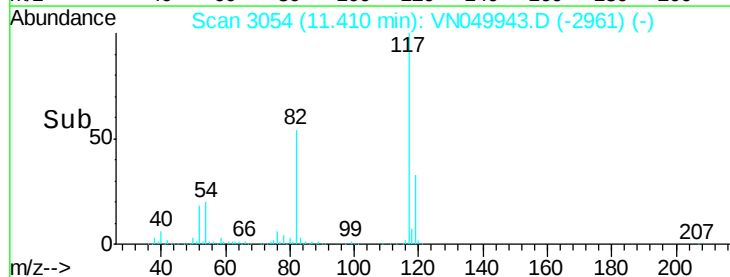
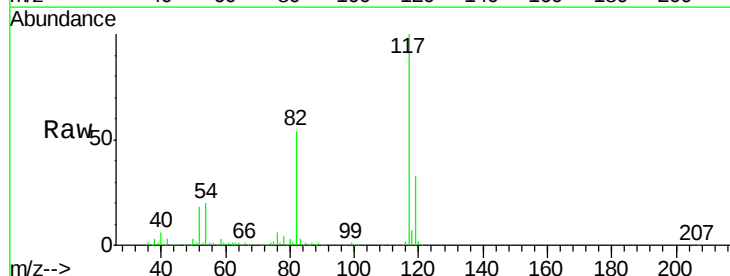
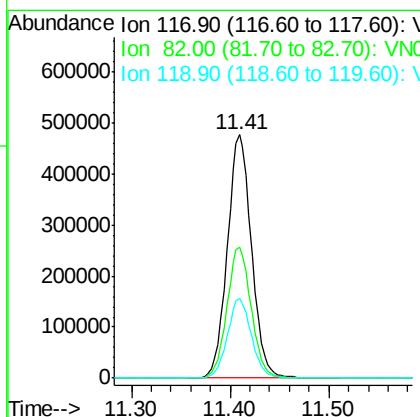
Manual Integrations  
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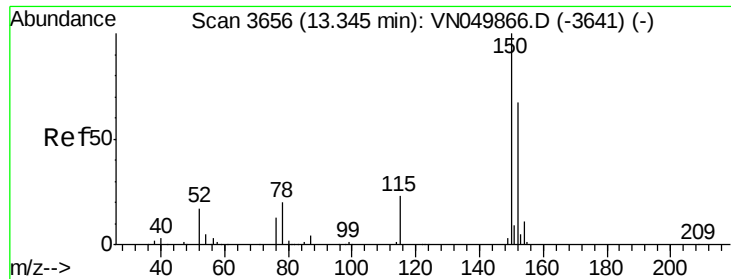
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7/20/2018 11:08:09 AM



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049943.D  
Acq: 20 Jul 2018 3:40

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 818903 |       |       |
| 82      | 54.0  | 41.9   | 62.9  |       |
| 119     | 32.7  | 25.4   | 38.2  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049943.D

Acq: 20 Jul 2018 3:40

Instrument :

MSVOA\_N

ClientSampleId :

5-B

Tot Ion:152 Resp: 277660

Ion Ratio Lower Upper

152 100

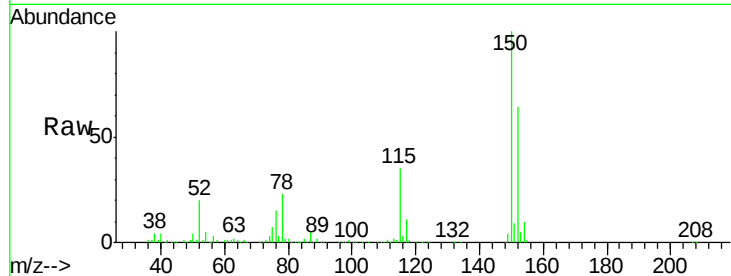
115 55.2 28.1 84.2

150 155.7 0.0 347.6

Manual Integrations  
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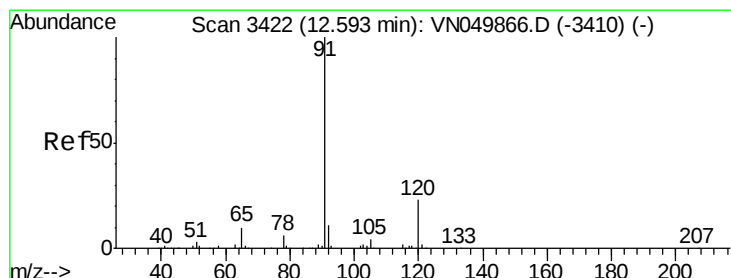
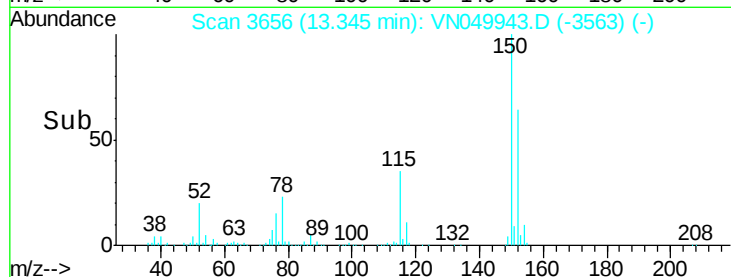
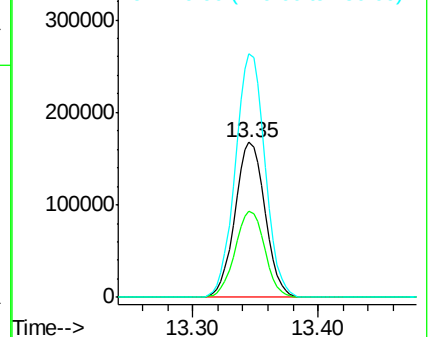
7/20/2018 11:08:09 AM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#78

n-propylbenzene

Concen: 1.73 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049943.D

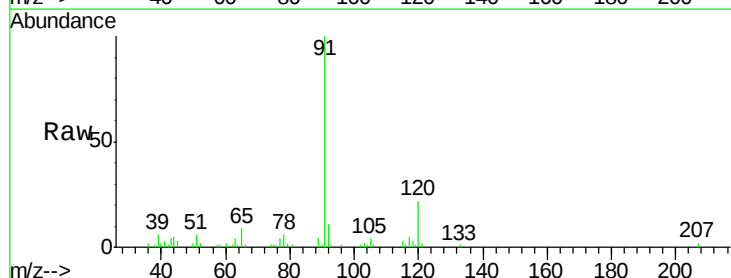
Acq: 20 Jul 2018 3:40

Tgt Ion: 91 Resp: 41365

Ion Ratio Lower Upper

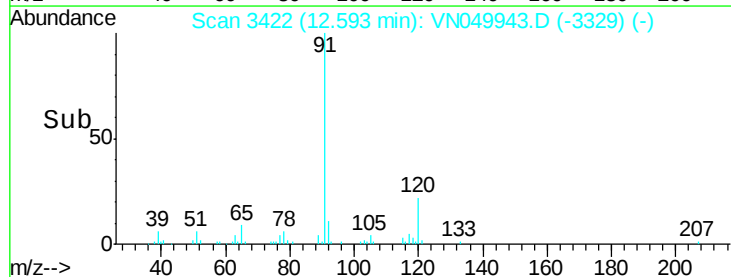
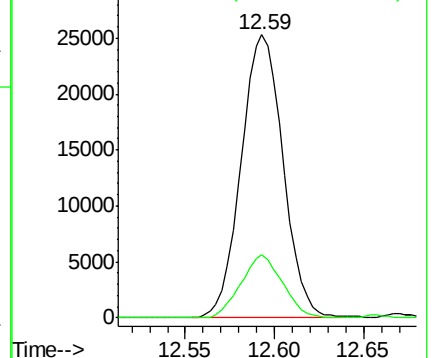
91 100

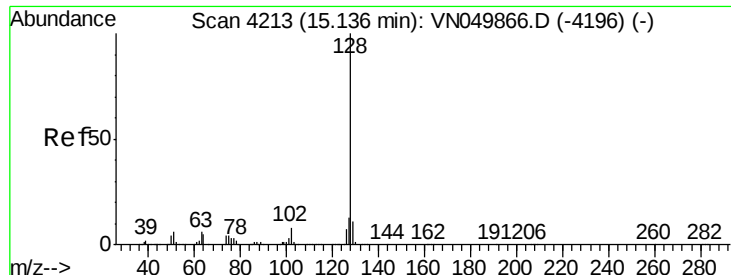
120 22.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#95  
Naphthalene  
Concen: 7.23 ug/l  
RT: 15.14 min Scan# 4213  
Delta R.T. 0.00 min  
Lab File: VN049943.D  
Acq: 20 Jul 2018 3:40

Instrument :  
MSVOA\_N  
ClientSampleId :  
5-B

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 127     | 14.2  | 10.4       | 15.6  |
| 129     | 12.4  | 8.6        | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
7/20/2018 11:08:09 AM

