

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\  
 Data File : VN053062.D  
 Acq On : 20 Dec 2018 17:41  
 Operator : MD\SY  
 Sample : PB115868ZHE#02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115868ZHE#02

Manual Integrations  
 APPROVED

MMDadoda  
 12/21/2018 9:21:41 AM

Quant Time: Dec 21 01:35:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1387257  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2122656  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1933124  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 807880   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 678424   | 48.19  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.38%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 545442   | 56.25  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 112.50% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2612234  | 50.18  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 100.36% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 891747   | 48.80  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.60%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 41444    | 15.015 | ug/l    | 98       |
| 18) Methyl Acetate          | 4.34  | 43   | 6765m    | 1.521  | ug/l    |          |
| 20) Methylene Chloride      | 4.56  | 84   | 41795    | 2.776  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 69015    | 2.136  | ug/l #  | 86       |

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

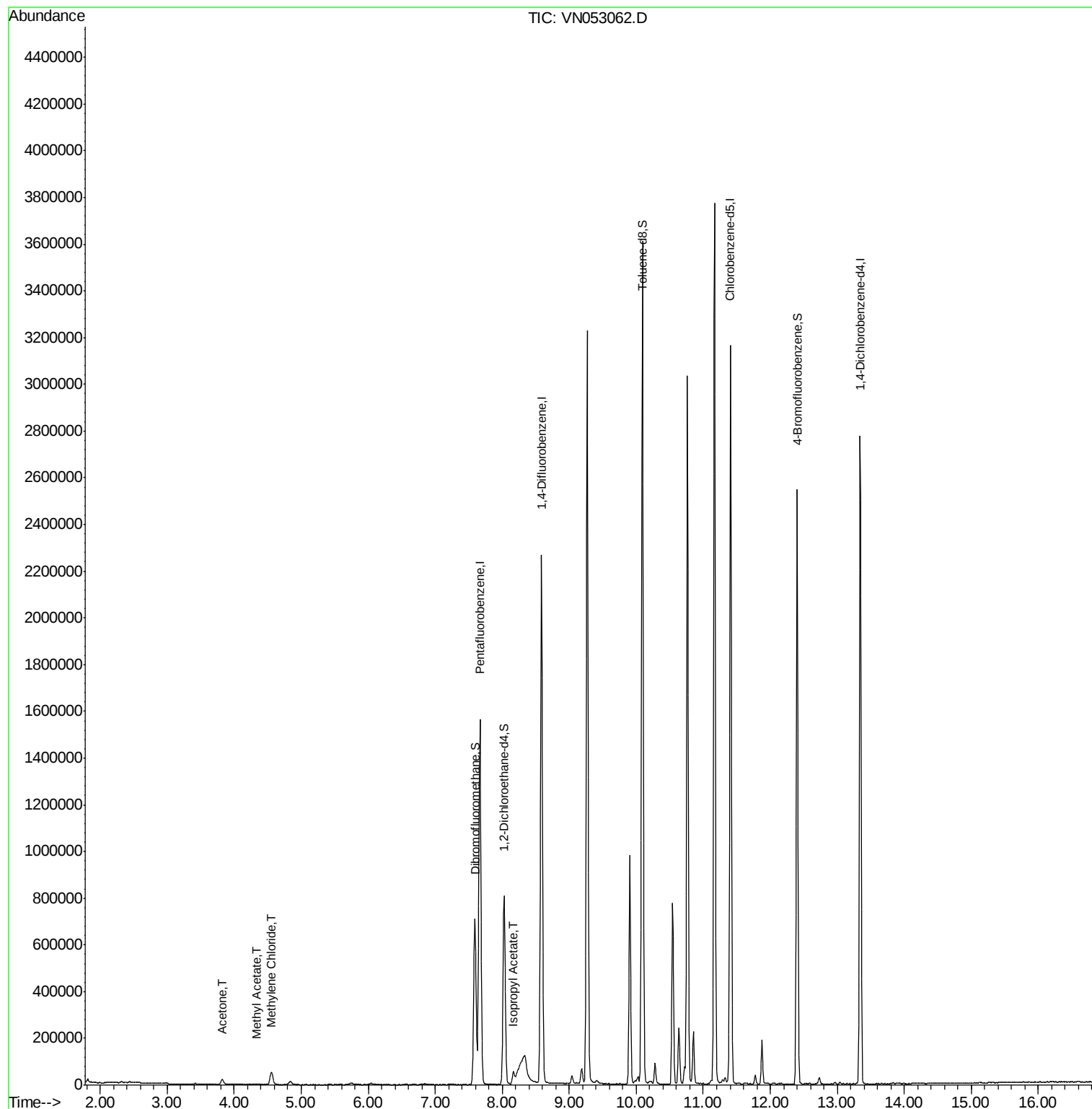
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122018\  
Data File : VN053062.D  
Acq On : 20 Dec 2018 17:41  
Operator : MD\SY  
Sample : PB115868ZHE#02  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 21 Sample Multiplier: 28

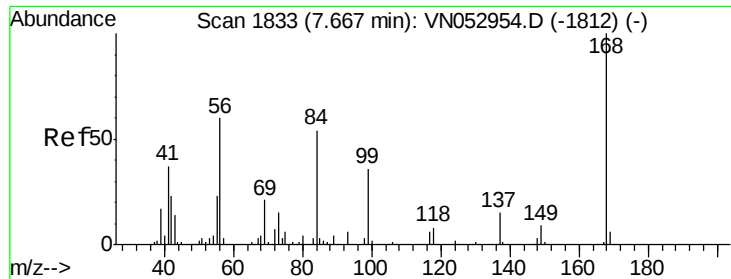
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115868ZHE#02

Manual Integrations  
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12/21/2018 9:21:41 AM

Quant Time: Dec 21 01:35:29 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 18 13:03:37 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053062.D

Acq: 20 Dec 2018 17:41

Instrument :

MSVOA\_N

ClientSampleId :

PB115868ZHE#02

Tot Ion:168 Resp: 1387257

Ion Ratio Lower Upper

168 100

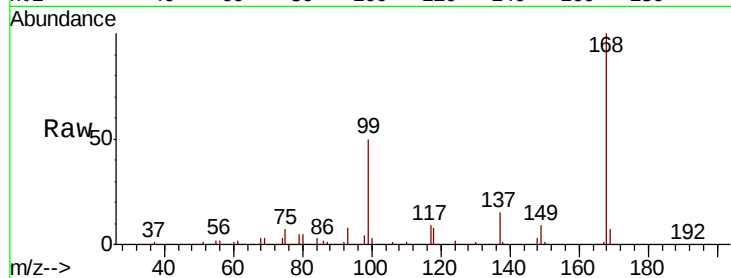
99 50.2 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN053062.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053062.D (-1740) (-)

7.67

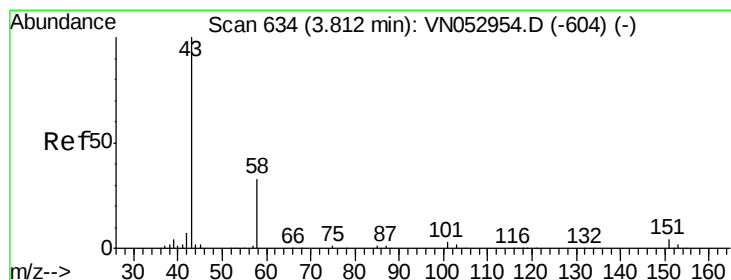
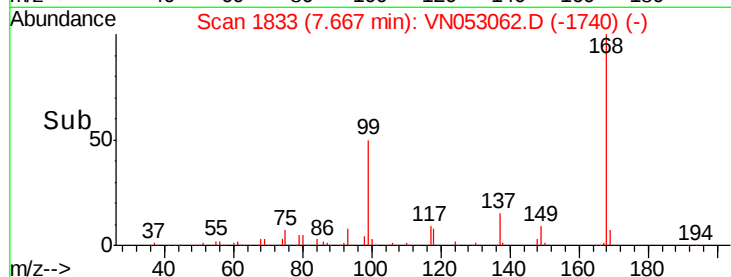
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 15.015 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053062.D

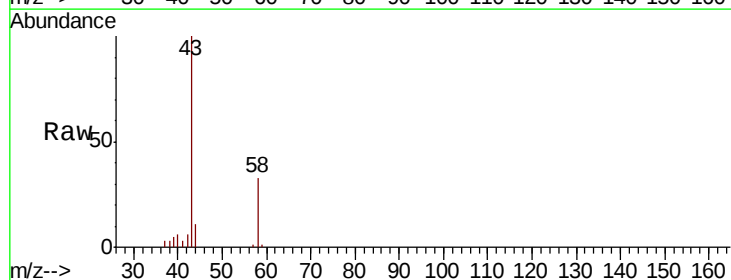
Acq: 20 Dec 2018 17:41

Tgt Ion: 43 Resp: 41444

Ion Ratio Lower Upper

43 100

58 32.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053062.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053062.D (-541) (-)

3.82

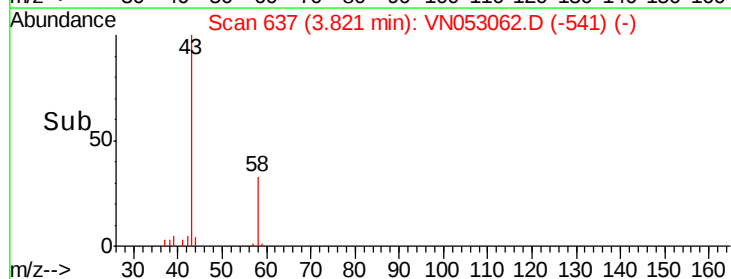
15000

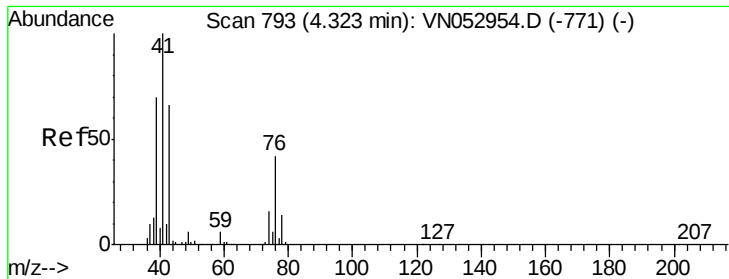
10000

5000

0

Time--> 3.70 3.75 3.80 3.85 3.90





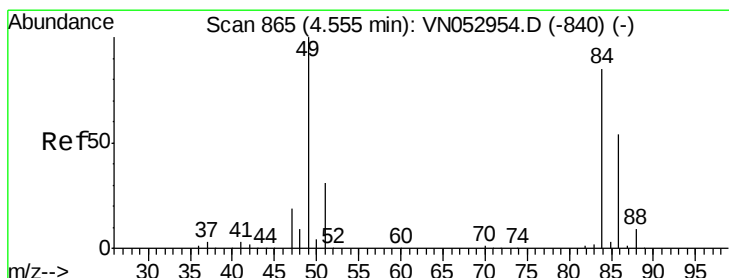
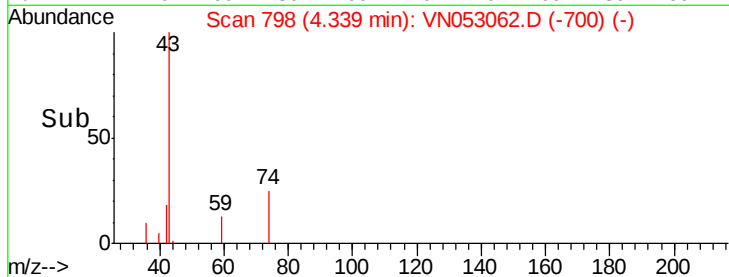
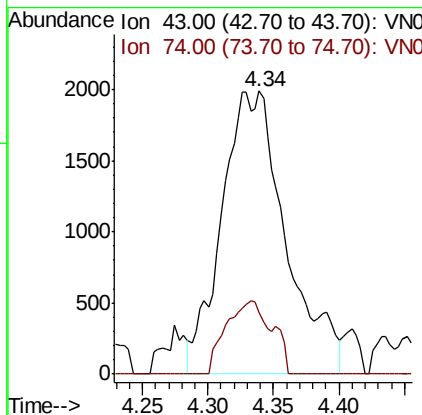
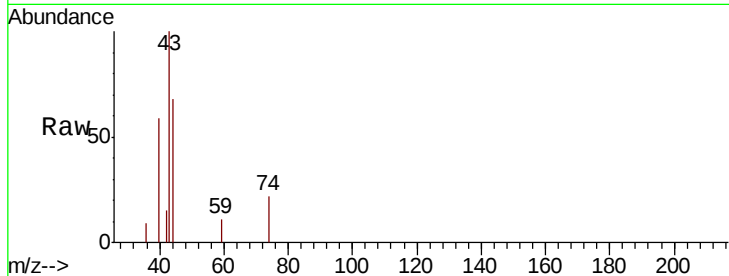
#18  
Methyl Acetate  
Concen: 1.521 ug/l m  
RT: 4.34 min Scan# 798  
Delta R.T. 0.02 min  
Lab File: VN053062.D  
Acq: 20 Dec 2018 17:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115868ZHE#02

Tot Ion: 43 Resp: 6765  
Ion Ratio Lower Upper  
43 100  
74 18.5 19.2 28.8#

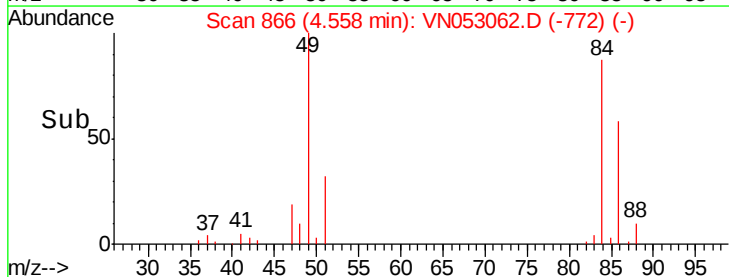
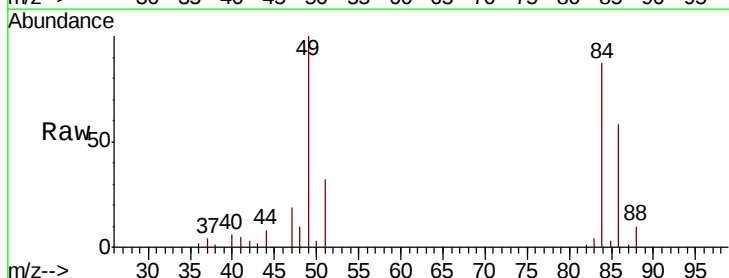
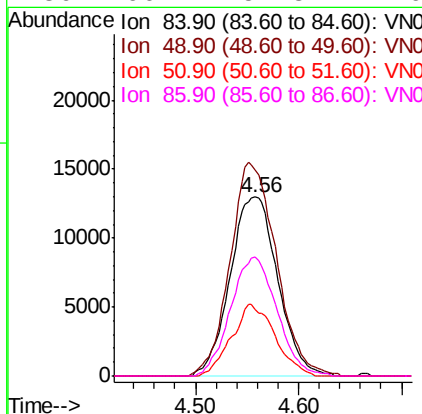
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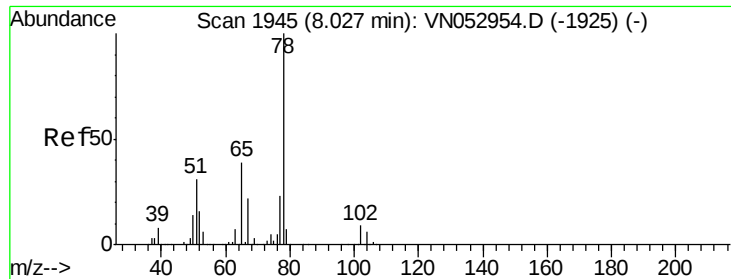
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#20  
Methylene Chloride  
Concen: 2.776 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN053062.D  
Acq: 20 Dec 2018 17:41

Tgt Ion: 84 Resp: 41795  
Ion Ratio Lower Upper  
84 100  
49 115.1 96.8 145.2  
51 37.0 29.9 44.9  
86 66.4 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053062.D

Acq: 20 Dec 2018 17:41

Instrument :

MSVOA\_N

ClientSampleId :

PB115868ZHE#02

Tot Ion: 65 Resp: 678424

Ion Ratio Lower Upper

65 100

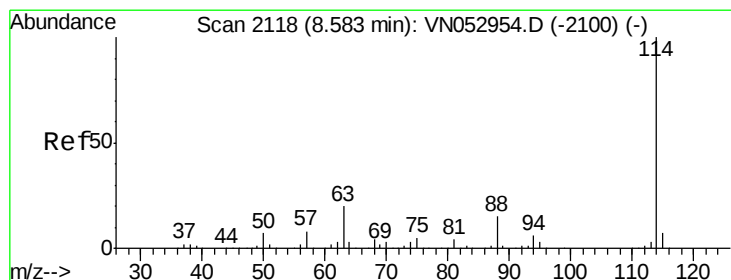
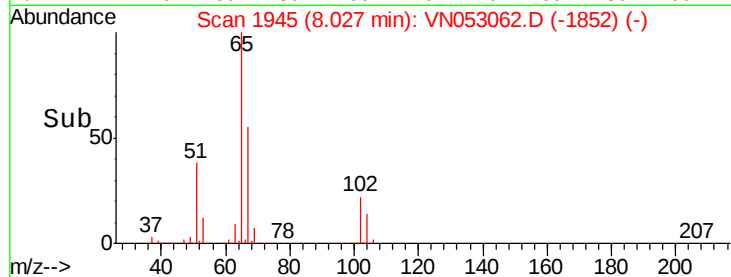
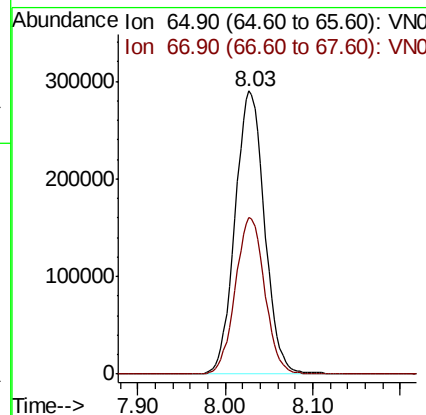
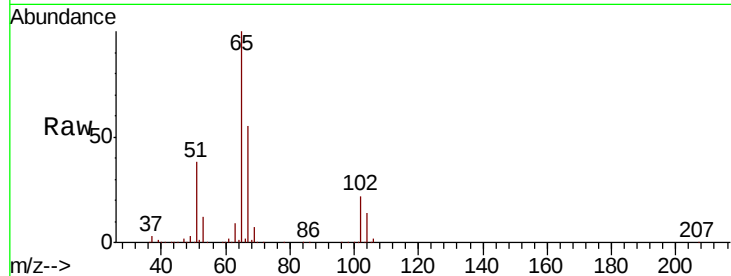
67 55.0 0.0 110.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053062.D

Acq: 20 Dec 2018 17:41

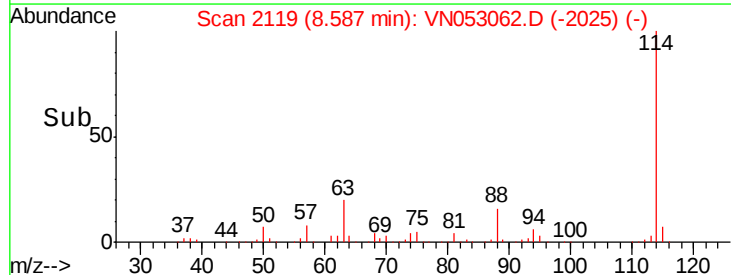
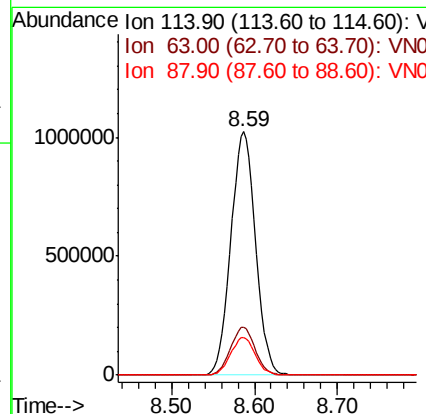
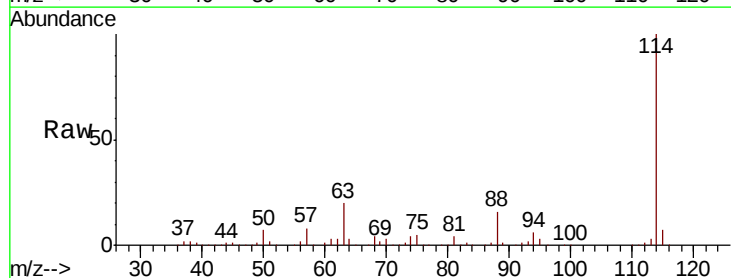
Tgt Ion: 114 Resp: 2122656

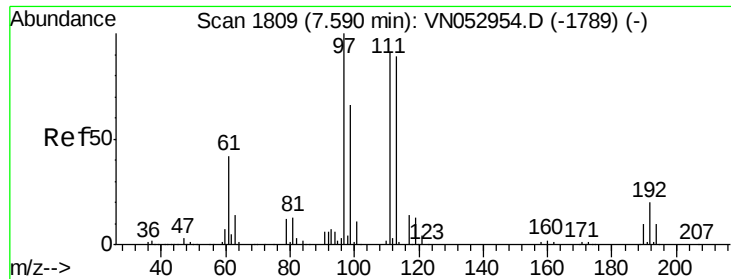
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 15.6 0.0 31.0





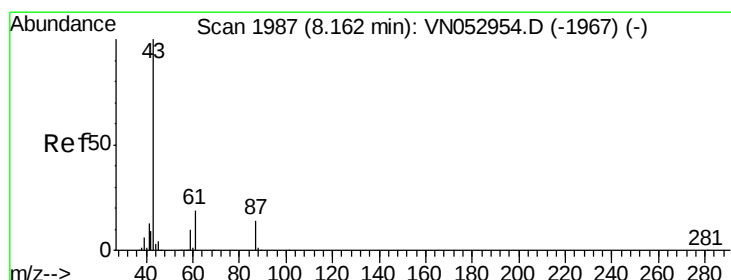
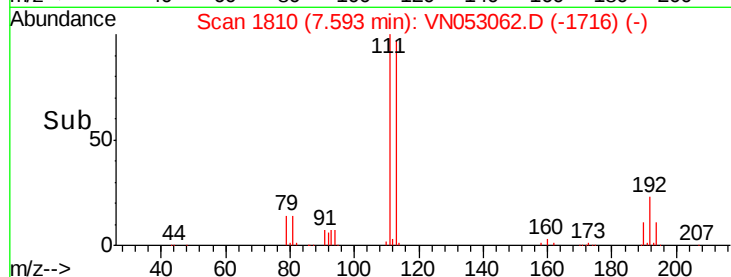
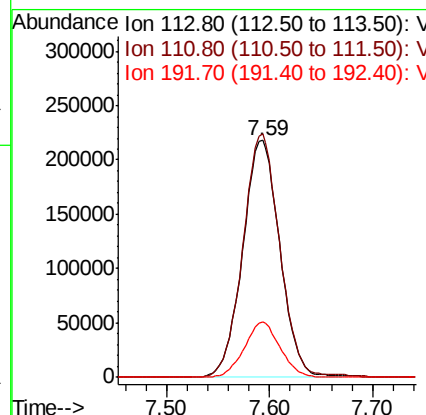
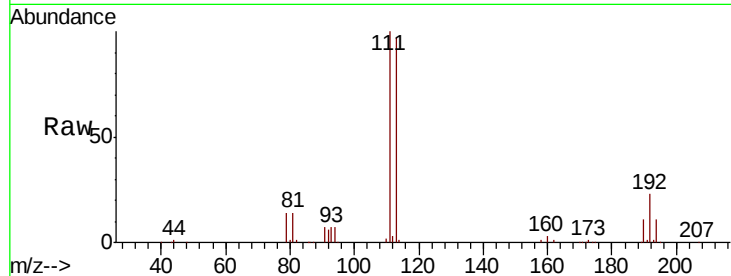
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053062.D  
 Acq: 20 Dec 2018 17:41

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB115868ZHE#02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.2 | 83.0  | 124.4 |
| 192     | 22.6  | 17.5  | 26.3  |

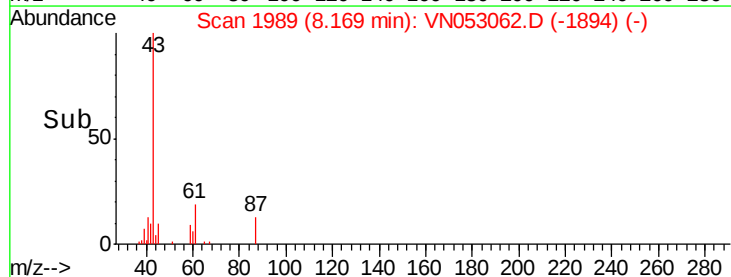
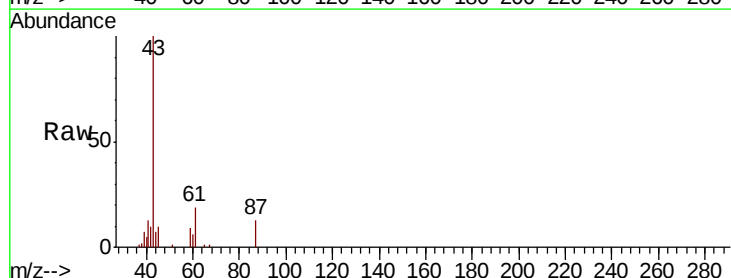
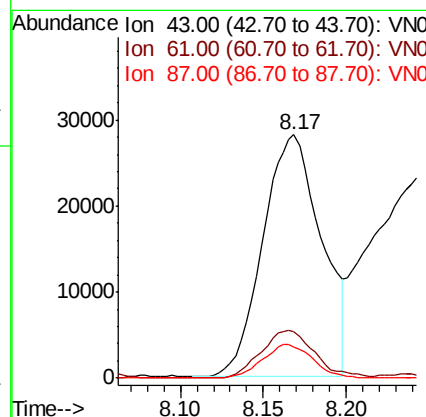
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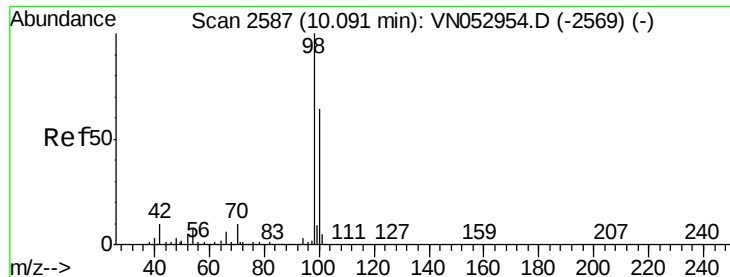
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 12/21/2018 9:21:41 AM



#43  
 Isopropyl Acetate  
 Concen: 2.136 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.01 min  
 Lab File: VN053062.D  
 Acq: 20 Dec 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.1  | 22.9  | 34.3# |
| 87      | 12.0  | 10.6  | 15.8  |





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053062.D

Acq: 20 Dec 2018 17:41

Instrument :

MSVOA\_N

ClientSampleId :

PB115868ZHE#02

Tot Ion: 98 Resp: 2612234

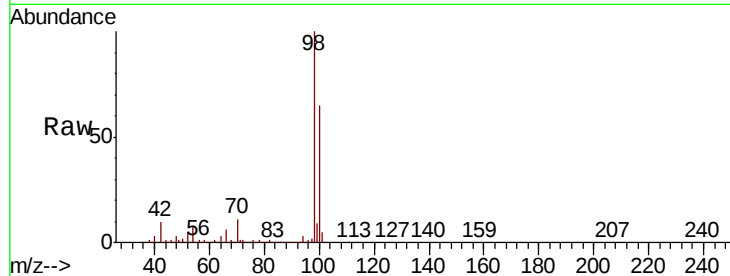
Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4

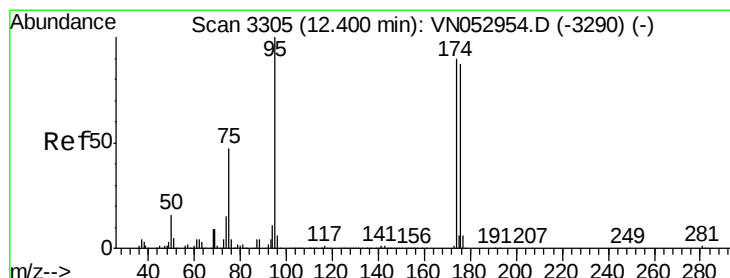
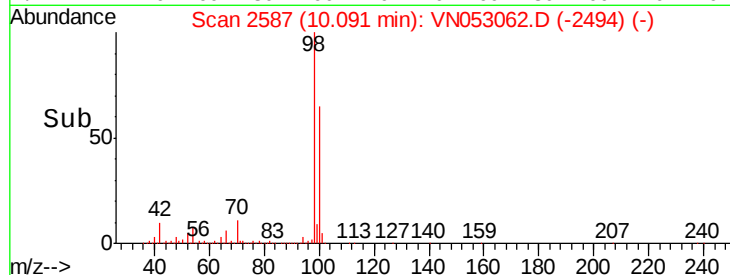
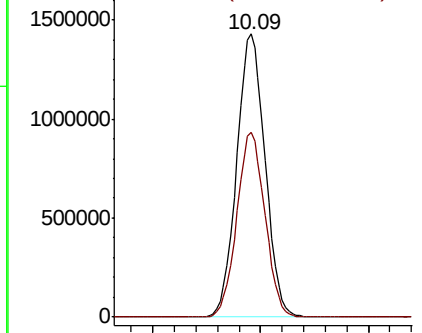
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053062.D

Acq: 20 Dec 2018 17:41

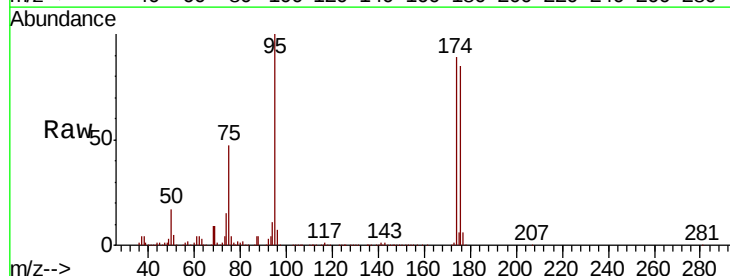
Tgt Ion: 95 Resp: 891747

Ion Ratio Lower Upper

95 100

174 89.5 0.0 178.8

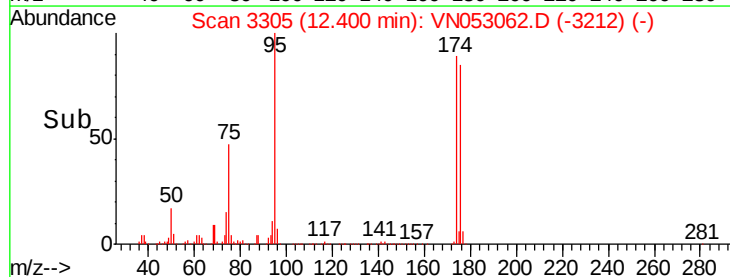
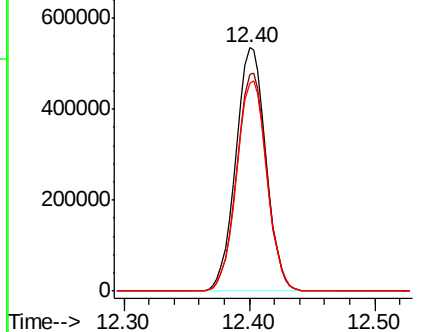
176 86.8 0.0 173.8

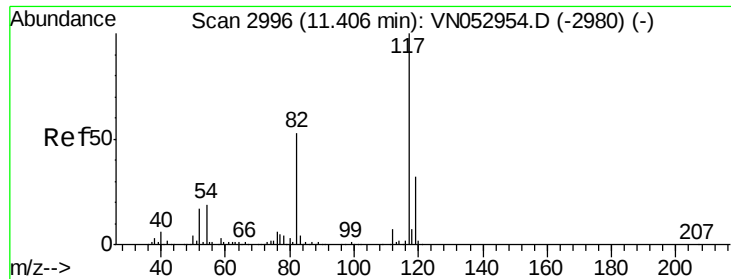


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





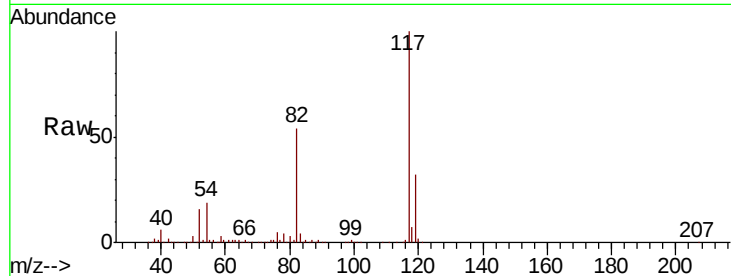
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN053062.D  
Acq: 20 Dec 2018 17:41

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB115868ZHE#02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 42.8  | 64.2  |
| 119     | 32.0  | 25.5  | 38.3  |

Manual Integrations  
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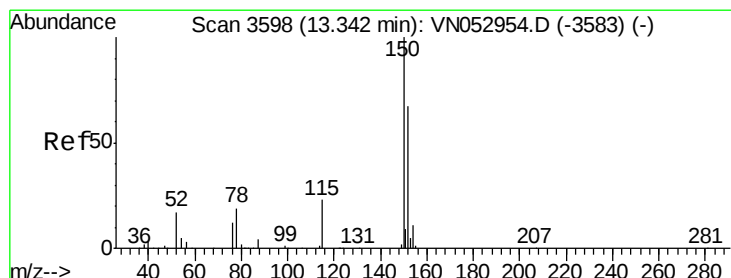
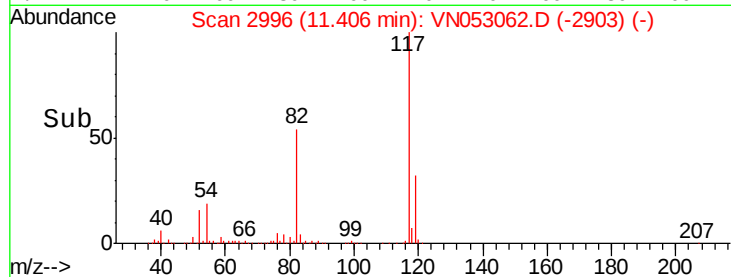
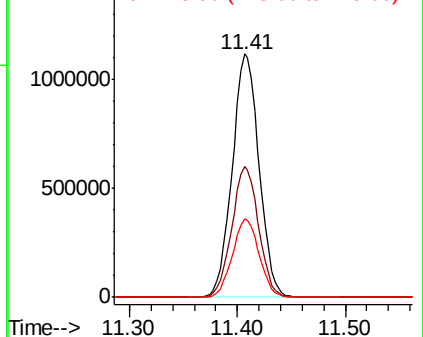


Abundance

Ion 116.90 (116.60 to 117.60): V

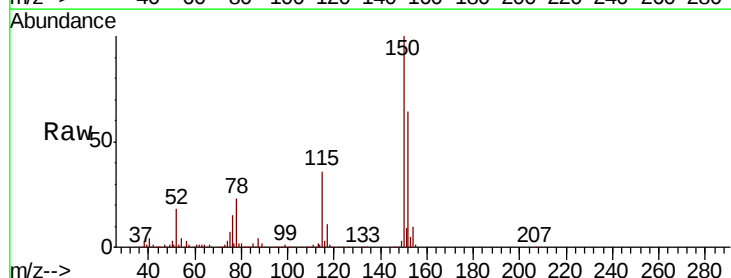
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053062.D  
Acq: 20 Dec 2018 17:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.5  | 28.3  | 85.0  |
| 150     | 156.4 | 0.0   | 347.8 |



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

