

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\  
 Data File : VN052164.D  
 Acq On : 5 Nov 2018 23:01  
 Operator : MD\SY  
 Sample : J5812-32  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP4-B

Manual Integrations  
 APPROVED

MMDadoda  
 11/6/2018 10:00:37 AM

Quant Time: Nov 06 06:21:04 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110518W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 05 22:32:25 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 321281   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 589646   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 563057   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 238741   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 249552   | 65.51  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 131.02% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 219242   | 59.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.78% |          |
| 50) Toluene-d8              | 10.09 | 98   | 868718   | 61.38  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 122.76% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 295654   | 63.63  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 127.26% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.81  | 43   | 7307m    | 8.466  | ug/l    | Qvalue   |
| 20) Methylene Chloride      | 4.56  | 84   | 20810    | 5.802  | ug/l    | 92       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 188886   | 31.736 | ug/l #  | 88       |
| 95) Naphthalene             | 15.13 | 128  | 8134     | 1.113  | ug/l #  | 92       |

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

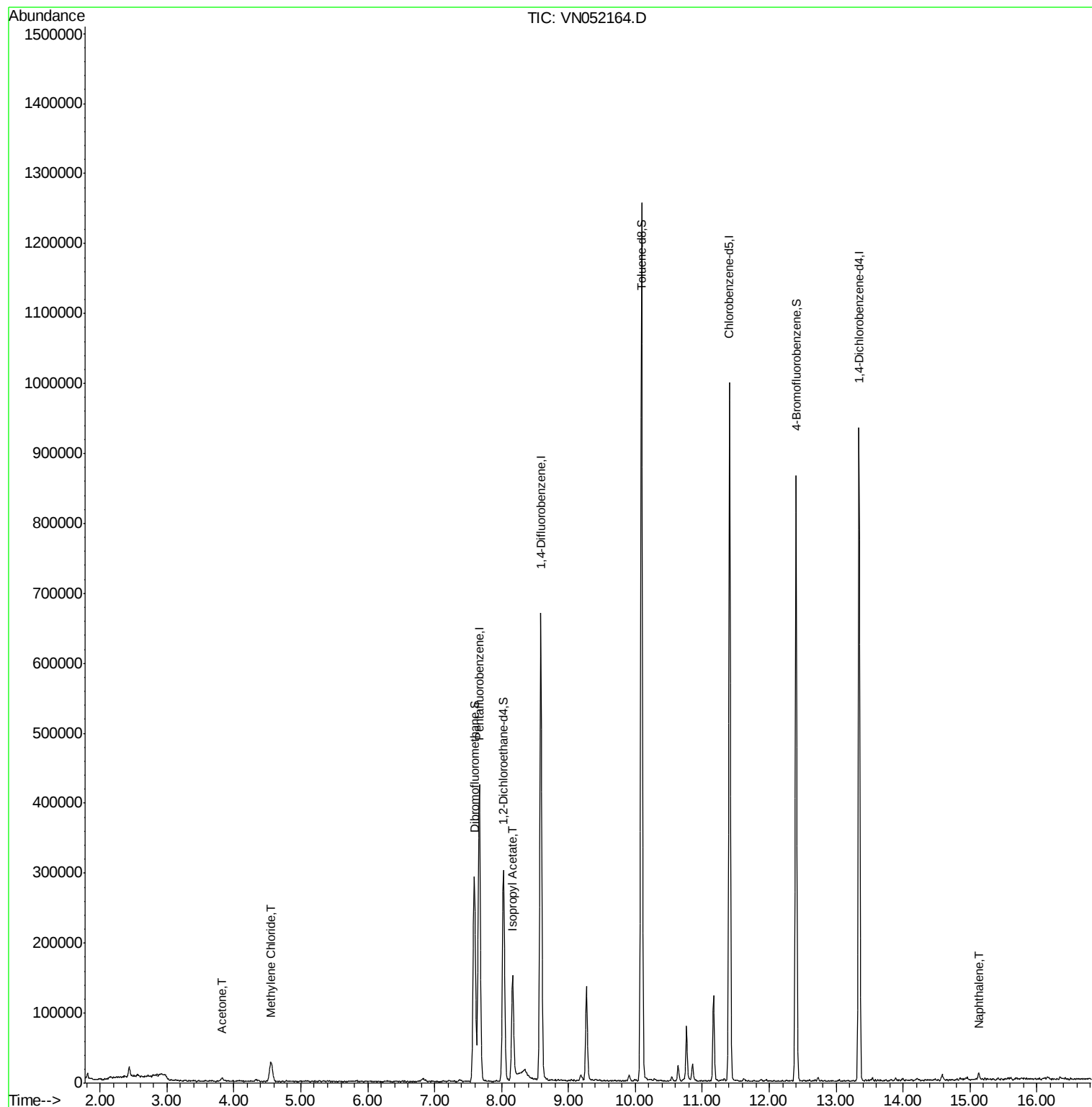
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110518\  
Data File : VN052164.D  
Acq On : 5 Nov 2018 23:01  
Operator : MD\SY  
Sample : J5812-32  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 24 Sample Multiplier: 28

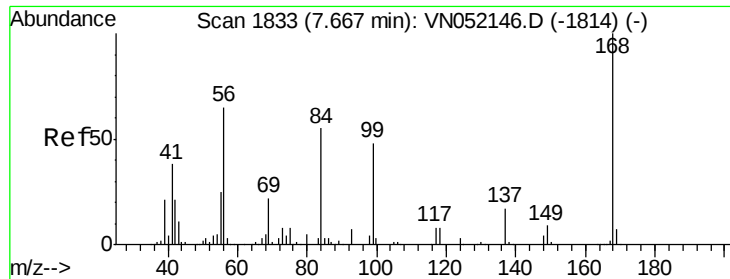
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP4-B

Manual Integrations  
APPROVED

MMDadoda  
11/6/2018 10:00:37 AM

Quant Time: Nov 06 06:21:04 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110518W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 05 22:32:25 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: VN052164.D

Acq: 5 Nov 2018 23:01

Instrument :

MSVOA\_N

ClientSampled :

TP4-B

Tot Ion:168 Resp: 321281

Ion Ratio Lower Upper

168 100

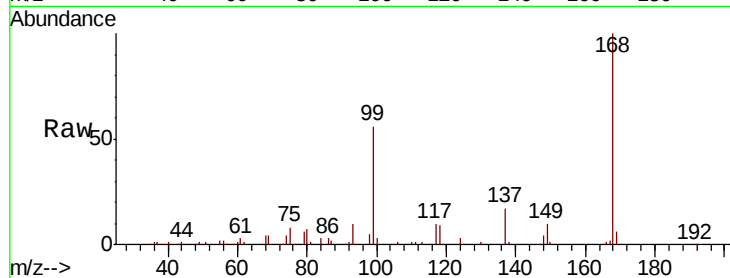
99 56.2 45.4 68.2

Manual Integrations

APPROVED

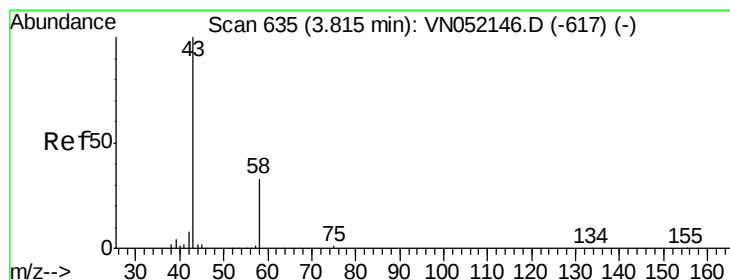
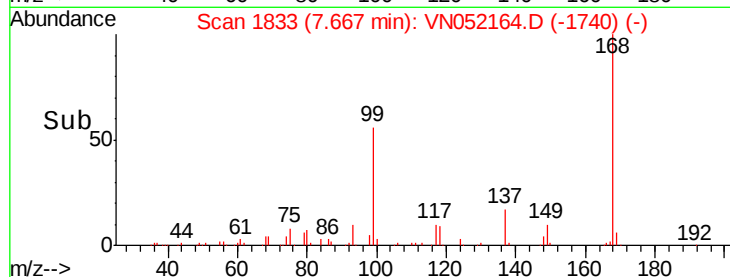
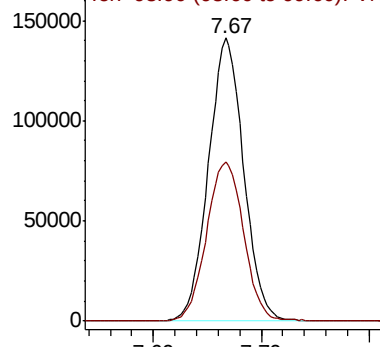
MMDadoda

11/6/2018 10:00:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 8.466 ug/l m

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN052164.D

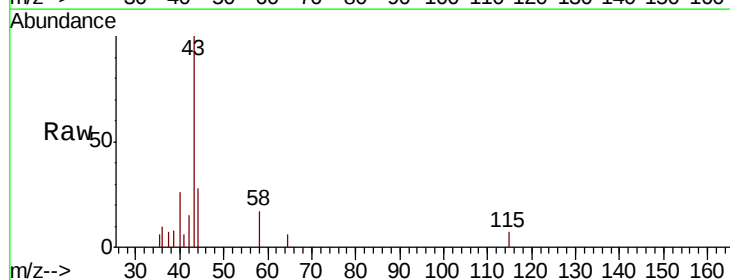
Acq: 5 Nov 2018 23:01

Tgt Ion: 43 Resp: 7307

Ion Ratio Lower Upper

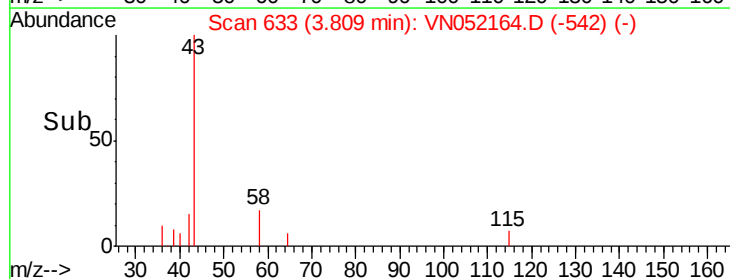
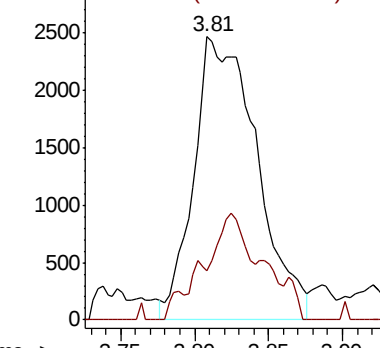
43 100

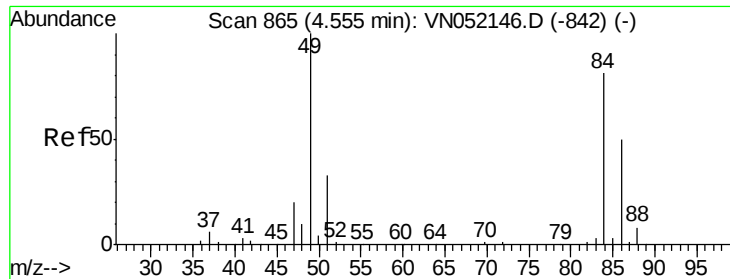
58 17.1 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





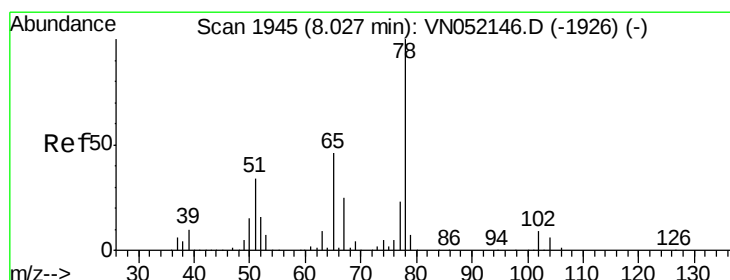
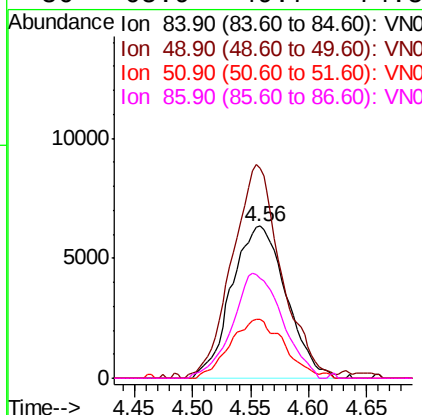
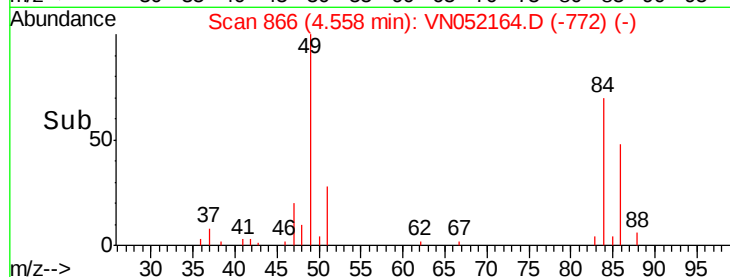
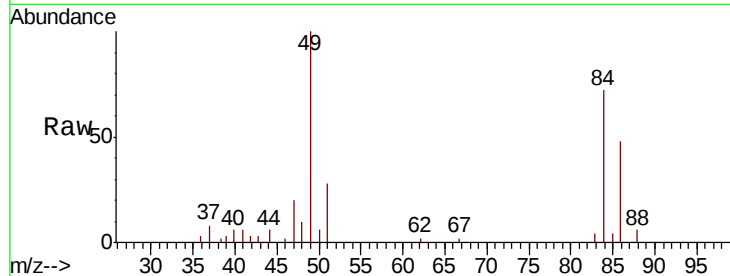
#20  
Methvlene Chloride  
Concen: 5.802 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN052164.D  
Acq: 5 Nov 2018 23:01

Instrument :  
MSVOA\_N  
ClientSampled :  
TP4-B

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 84      | 100   |       |       |       |
| 49      | 135.7 | 98.4  | 147.6 |       |
| 51      | 38.4  | 32.5  | 48.7  |       |
| 86      | 65.9  | 49.7  | 74.5  |       |

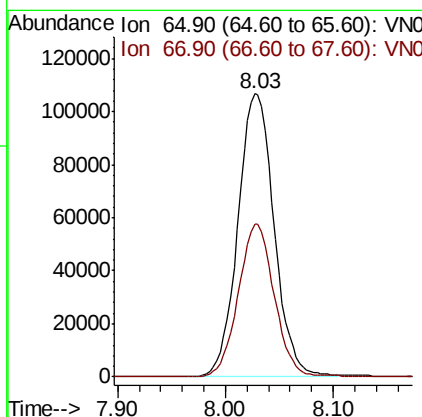
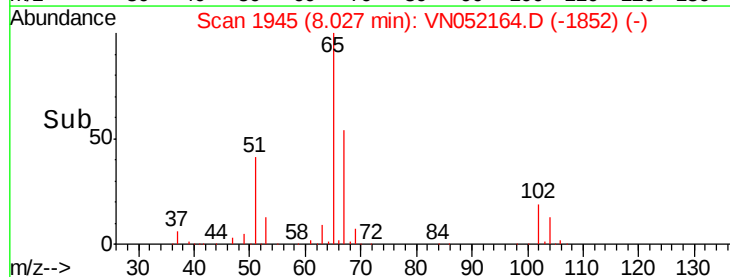
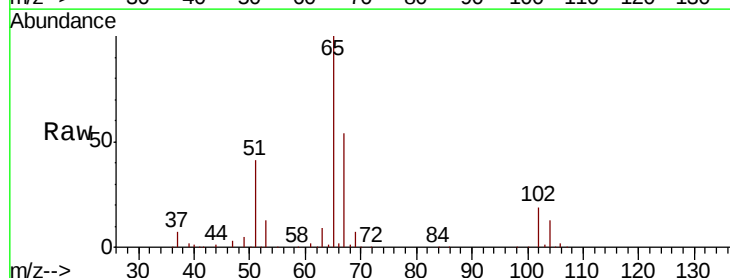
Manual Integrations  
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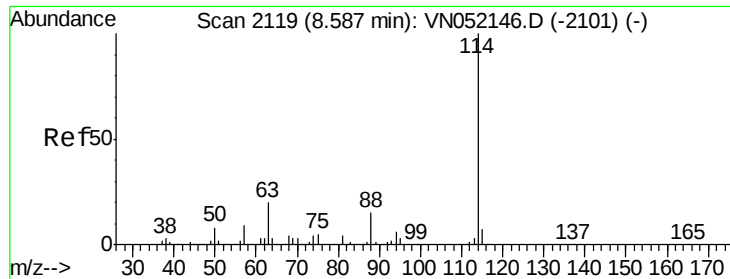
MMDadoda  
11/6/2018 10:00:37 AM



#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1945  
Delta R.T. 0.00 min  
Lab File: VN052164.D  
Acq: 5 Nov 2018 23:01

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 65      | 100  |       |       |       |
| 67      | 53.2 | 0.0   | 107.6 |       |





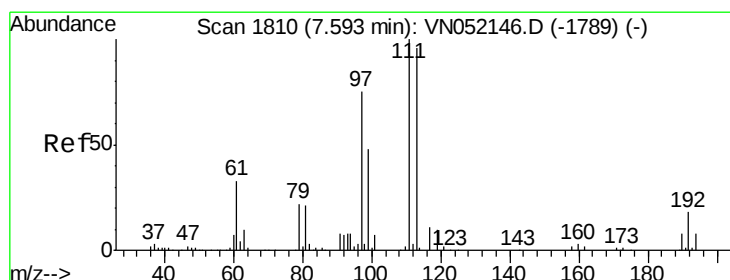
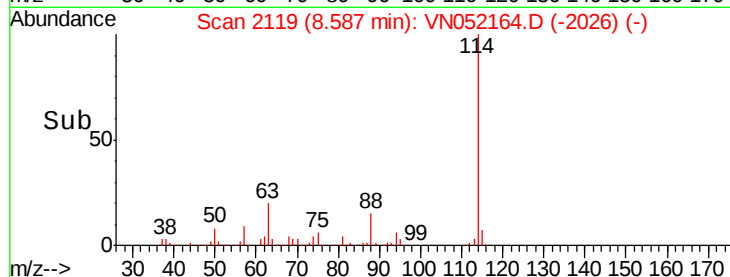
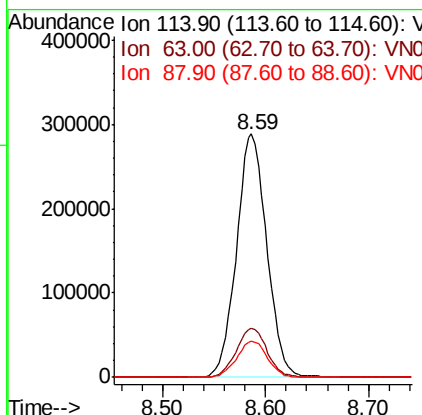
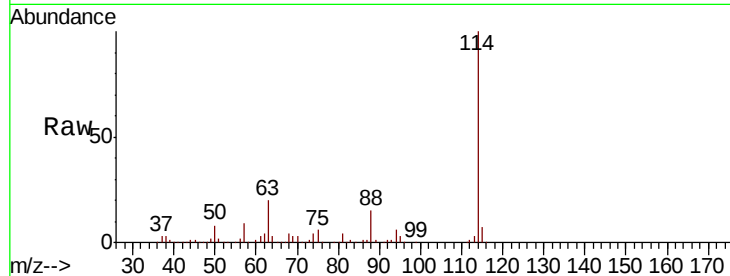
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052164.D  
 Acq: 5 Nov 2018 23:01

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP4-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 589646 |       |       |
| 63      | 20.2  |        | 0.0   | 40.0  |
| 88      | 14.9  |        | 0.0   | 31.0  |

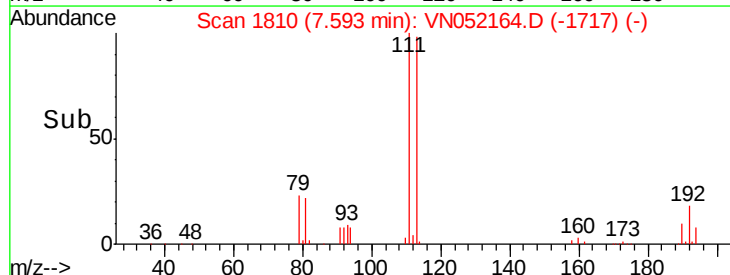
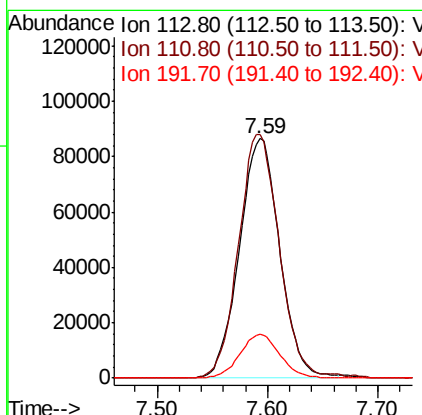
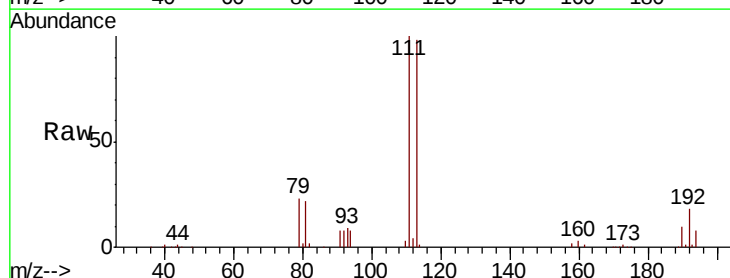
Manual Integrations  
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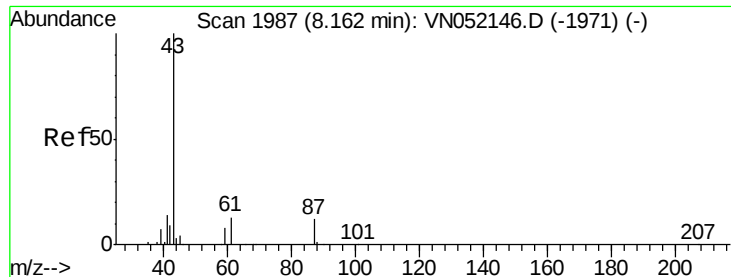
MMDadoda  
 11/6/2018 10:00:37 AM



#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052164.D  
 Acq: 5 Nov 2018 23:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 219242 |       |       |
| 111     | 101.9 |        | 81.7  | 122.5 |
| 192     | 18.2  |        | 14.2  | 21.4  |





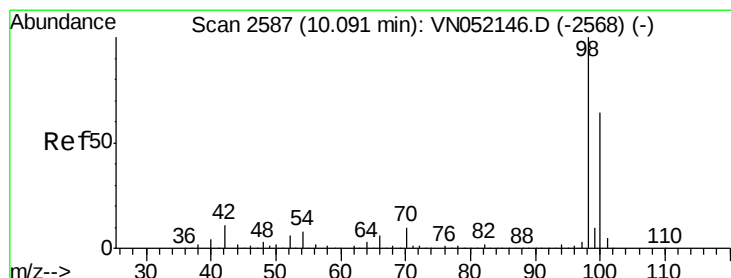
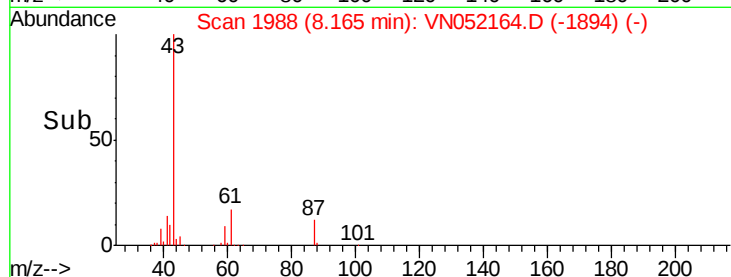
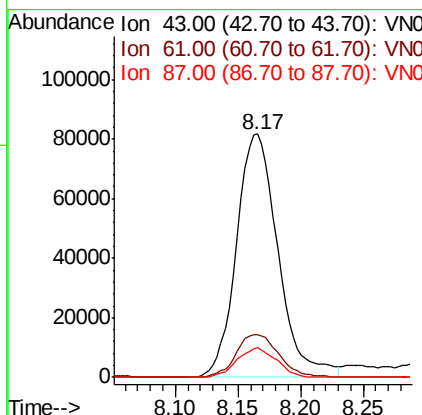
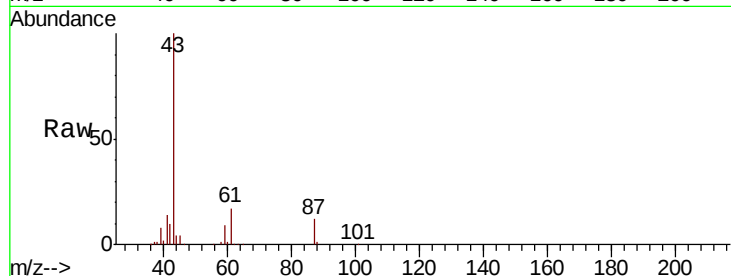
#43  
Isopropyl Acetate  
Concen: 31.736 ug/l  
RT: 8.17 min Scan# 1988  
Delta R.T. 0.00 min  
Lab File: VN052164.D  
Acq: 5 Nov 2018 23:01

Instrument :  
MSVOA\_N  
ClientSampled :  
TP4-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.2  | 21.5  | 32.3# |
| 87      | 11.6  | 10.2  | 15.2  |

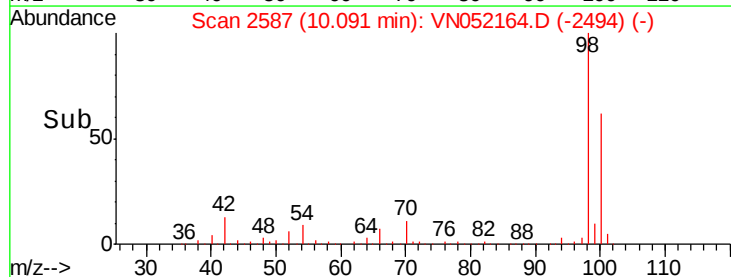
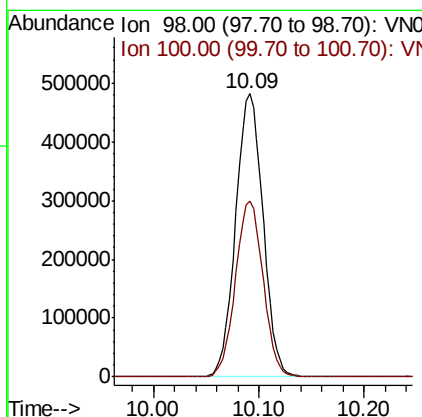
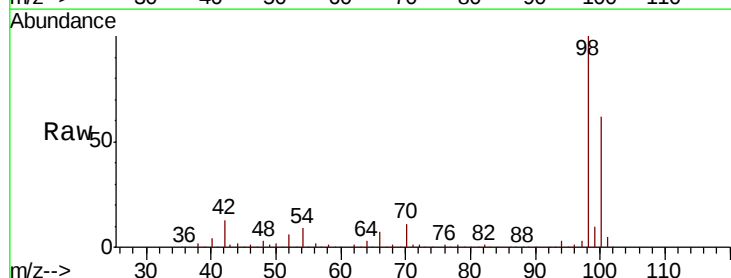
Manual Integrations  
APPROVED

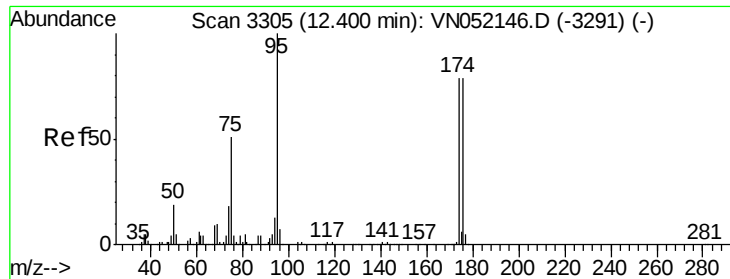
MMDadoda  
11/6/2018 10:00:37 AM



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052164.D  
Acq: 5 Nov 2018 23:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 62.6  | 50.5  | 75.7  |





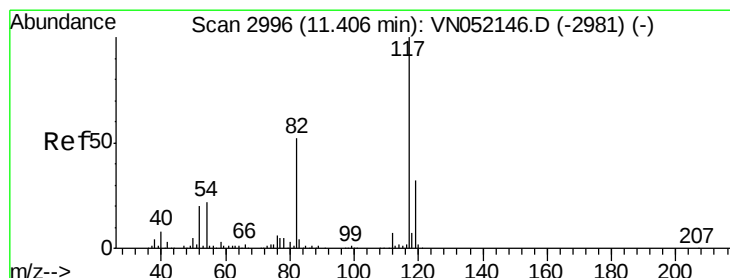
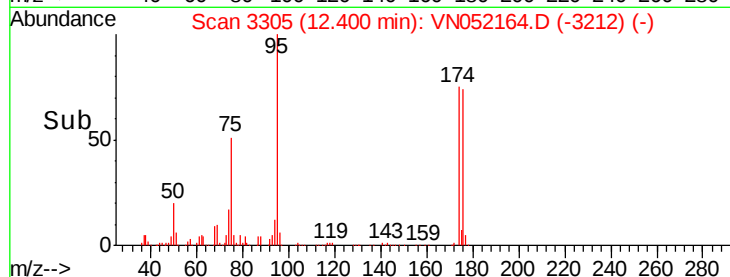
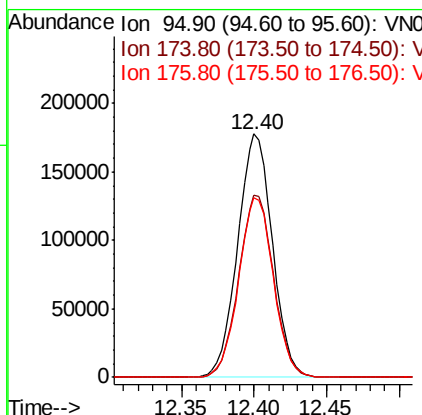
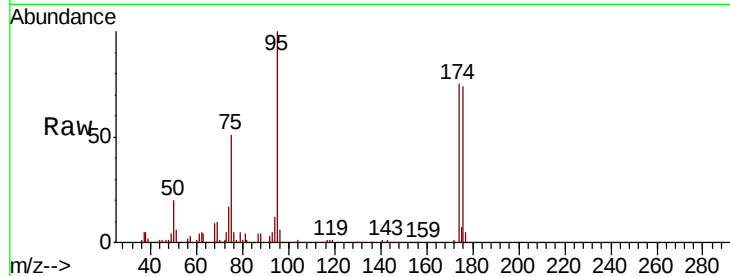
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052164.D  
Acq: 5 Nov 2018 23:01

Instrument :  
MSVOA\_N  
ClientSampled :  
TP4-B

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 295654 |       |       |
| 174     | 75.2  | 0.0    | 162.6 |       |
| 176     | 73.6  | 0.0    | 155.4 |       |

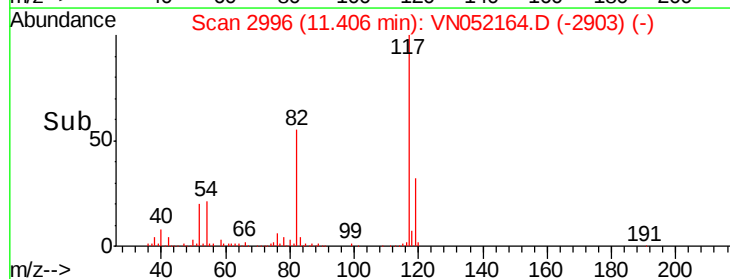
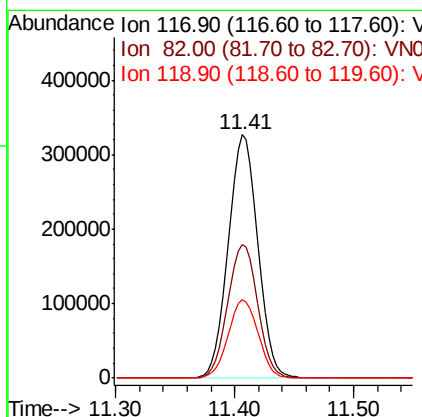
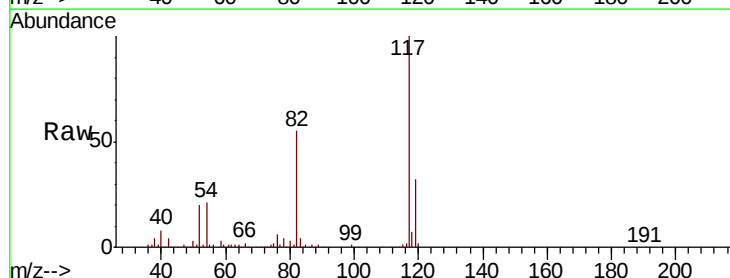
Manual Integrations  
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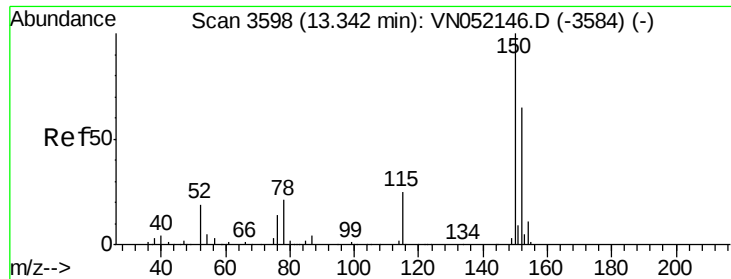
MMDadoda  
11/6/2018 10:00:37 AM



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052164.D  
Acq: 5 Nov 2018 23:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 563057 |       |       |
| 82      | 54.9  | 41.9   | 62.9  |       |
| 119     | 32.1  | 25.7   | 38.5  |       |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052164.D

Acq: 5 Nov 2018 23:01

Instrument :

MSVOA\_N

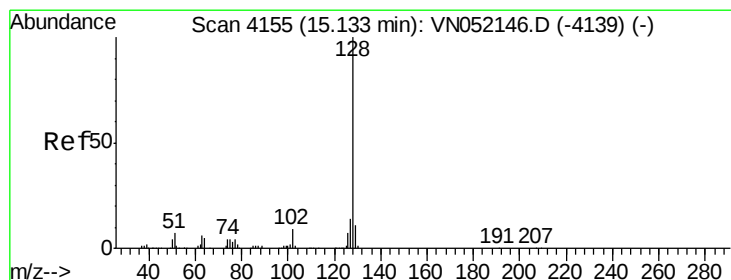
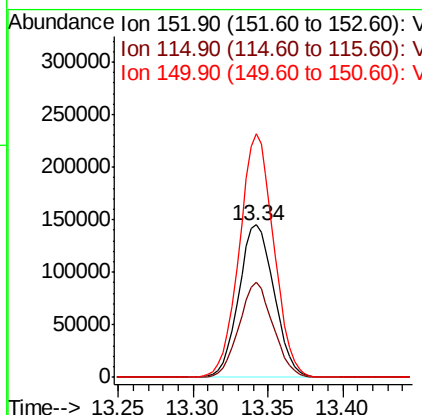
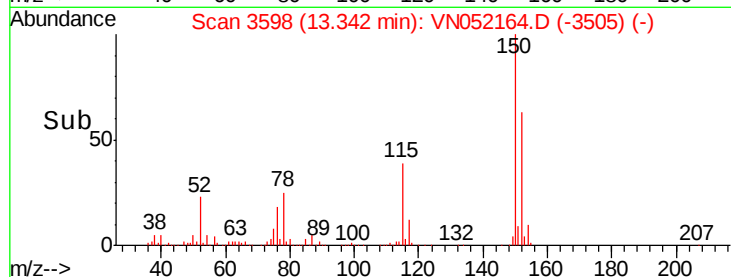
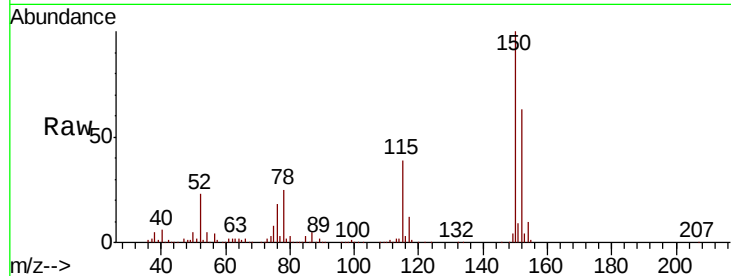
ClientSampled :

TP4-B

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 238741 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 59.9  | 28.5  | 85.5   |
| 150       | 154.9 | 0.0   | 348.6  |

Manual Integrations  
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11/6/2018 10:00:37 AM



#95

Naphthalene

Concen: 1.113 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN052164.D

Acq: 5 Nov 2018 23:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 8134  |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 8.9   | 10.8  | 16.2# |
| 129       | 13.0  | 9.1   | 13.7  |

