

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
 Data File : VN052010.D  
 Acq On : 25 Oct 2018 14:28  
 Operator : MD\SY  
 Sample : PB114155TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 13 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114155TB

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2018 9:19:42 AM

Quant Time: Oct 26 02:12:26 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1139212  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1660893  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1565898  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 699414   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 587613   | 57.92  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.84% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 606905   | 57.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 114.52% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2275197  | 59.41  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 118.82% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 707288   | 53.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 107.46% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 8423m    | 5.039  | ug/l    |          |
| 43) Isopropyl Acetate       | 8.16  | 43   | 315030   | 29.525 | ug/l    | 99       |

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

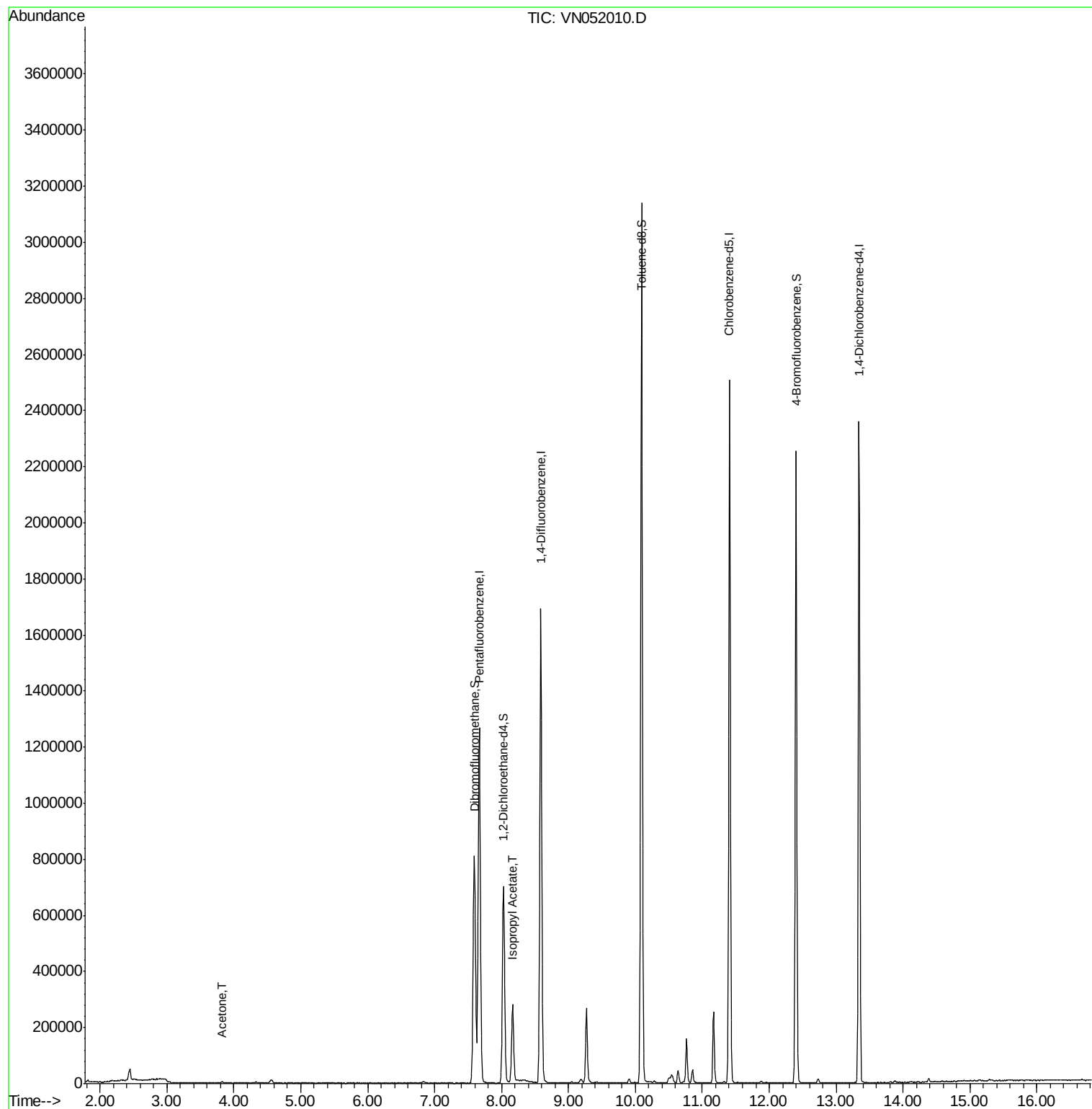
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
Data File : VN052010.D  
Acq On : 25 Oct 2018 14:28  
Operator : MD\SY  
Sample : PB114155TB  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 13 Sample Multiplier: 28

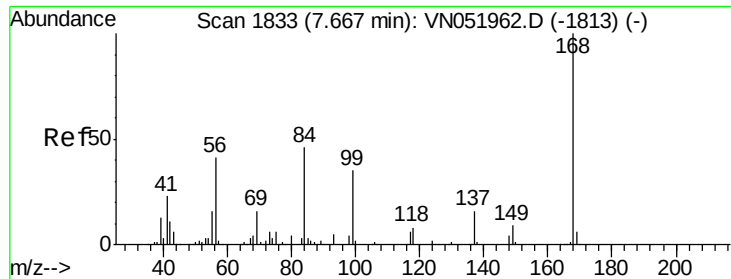
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114155TB

Manual Integrations  
APPROVED

MMDadoda  
10/26/2018 9:19:42 AM

Quant Time: Oct 26 02:12:26 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 24 10:12:55 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: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA\_N

ClientSampleId :

PB114155TB

Tot Ion:168 Resp: 1139212

Ion Ratio Lower Upper

168 100

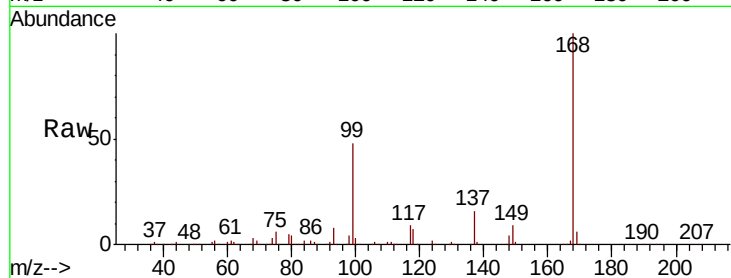
99 47.6 37.8 56.6

Manual Integrations

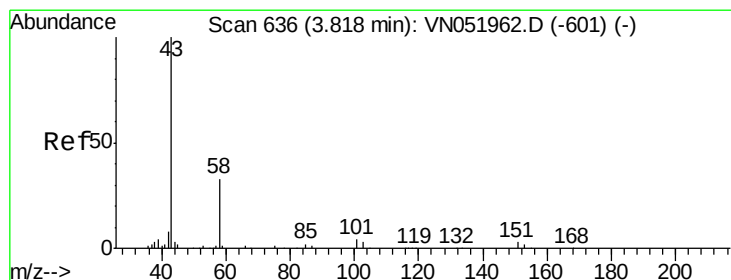
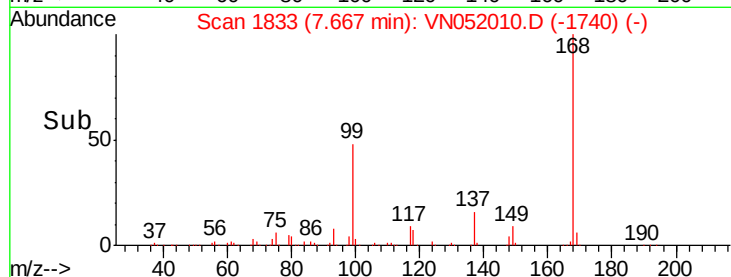
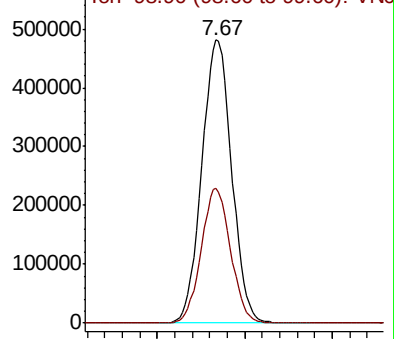
APPROVED

MMDadoda

10/26/2018 9:19:42 AM



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)



#16

Acetone

Concen: 5.039 ug/l m

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052010.D

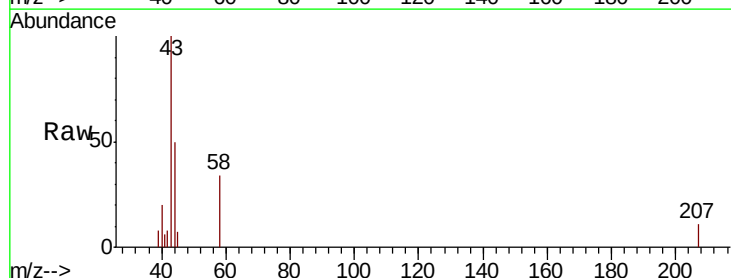
Acq: 25 Oct 2018 14:28

Tgt Ion: 43 Resp: 8423

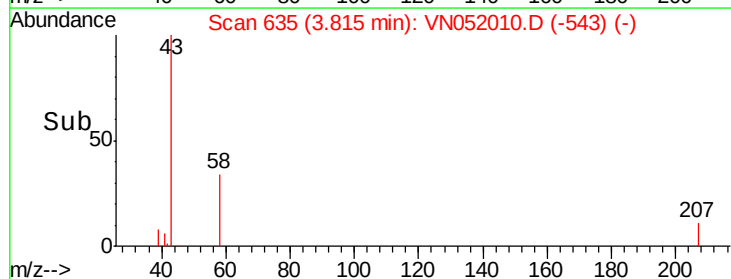
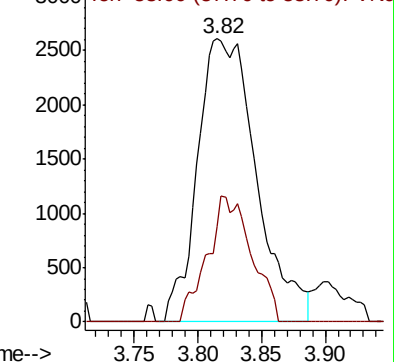
Ion Ratio Lower Upper

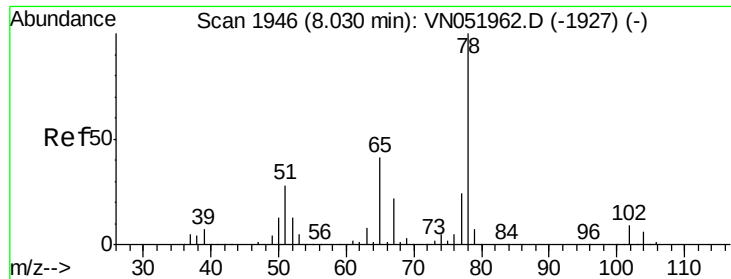
43 100

58 33.6 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)





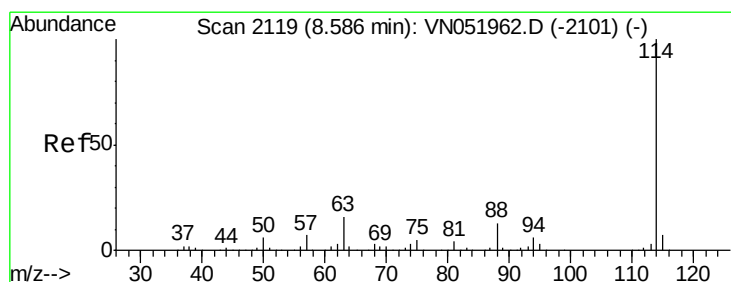
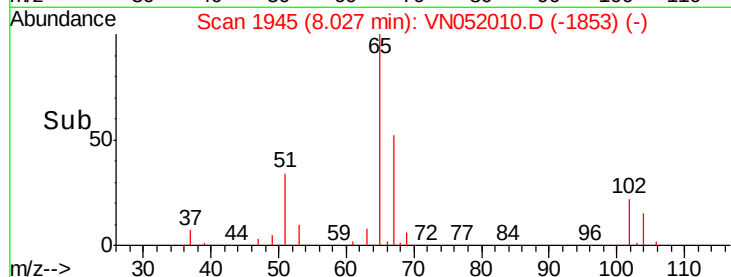
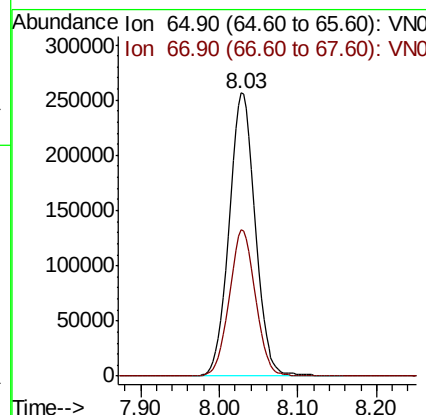
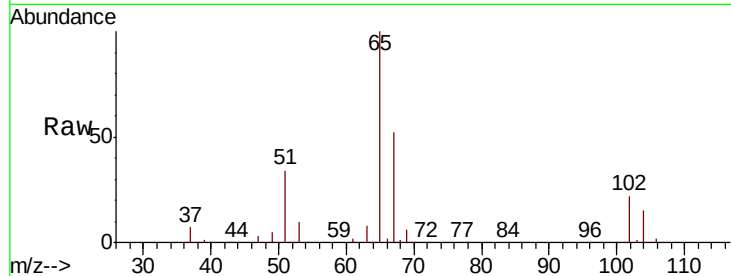
#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN052010.D  
 Acq: 25 Oct 2018 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114155TB

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 587613 |       |       |
| 67      | 51.6  | 0.0    | 105.8 |       |

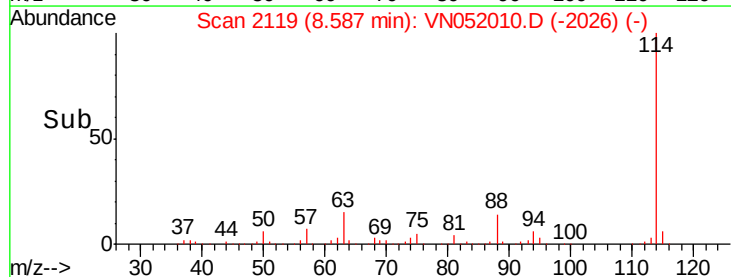
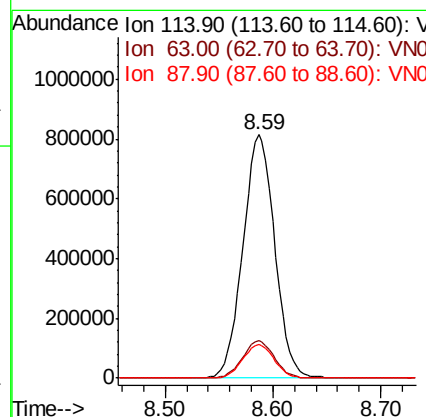
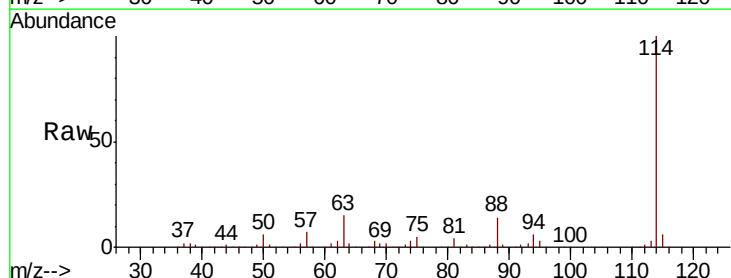
Manual Integrations  
 APPROVED

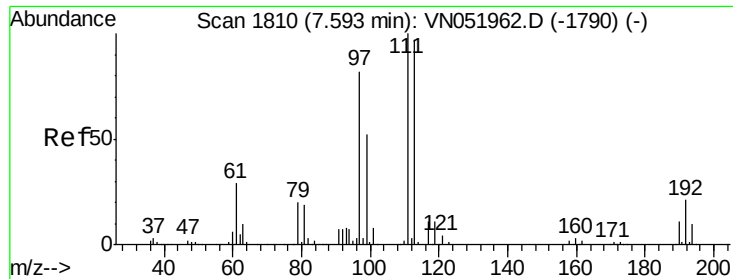
MMDadoda  
 10/26/2018 9:19:42 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052010.D  
 Acq: 25 Oct 2018 14:28

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 114     | 100   | 1660893 |       |       |
| 63      | 15.3  | 0.0     | 31.2  |       |
| 88      | 13.8  | 0.0     | 27.0  |       |





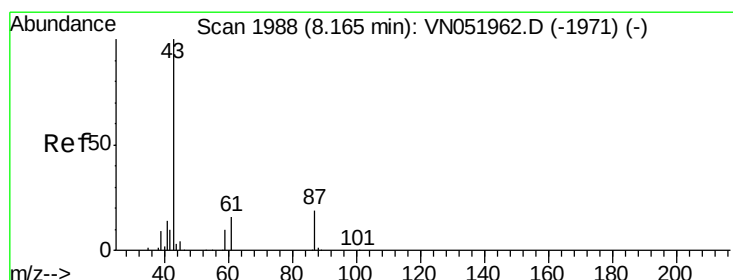
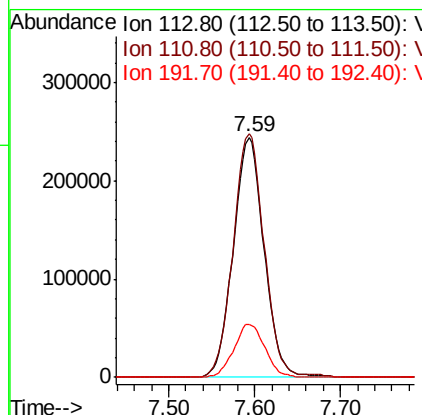
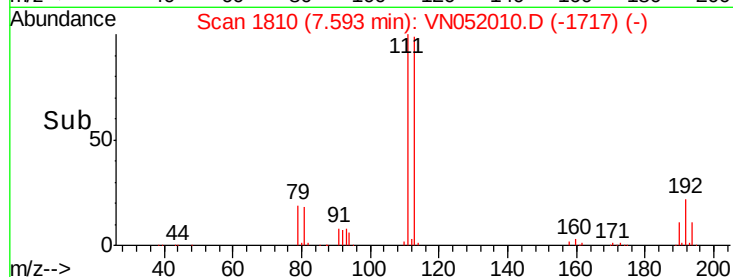
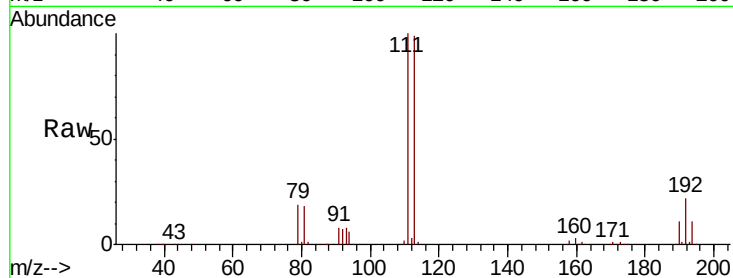
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052010.D  
 Acq: 25 Oct 2018 14:28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB114155TB

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 606905 |       |       |
| 111     | 102.5 | 80.7   | 121.1 |       |
| 192     | 22.3  | 17.2   | 25.8  |       |

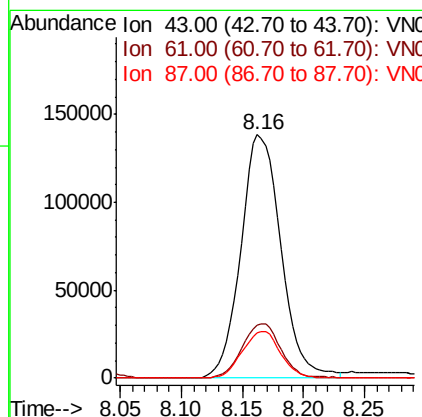
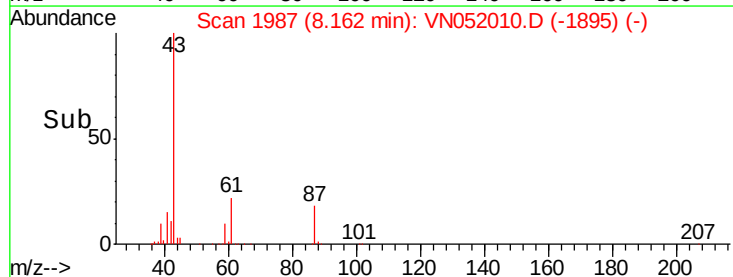
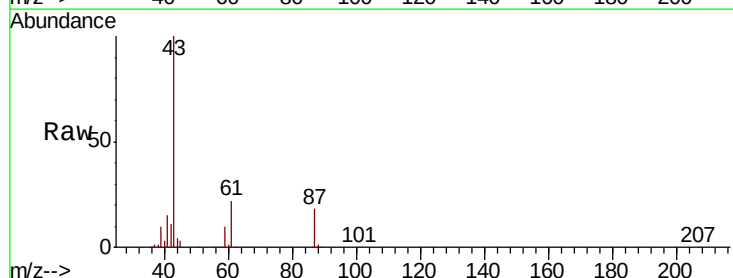
Manual Integrations  
 APPROVED

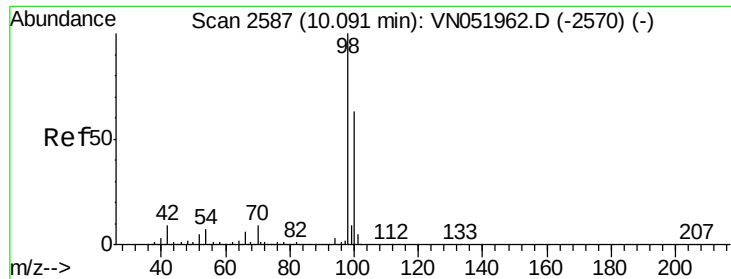
MMDadoda  
 10/26/2018 9:19:42 AM



#43  
 Isopropyl Acetate  
 Concen: 29.525 ug/l  
 RT: 8.16 min Scan# 1987  
 Delta R.T. -0.00 min  
 Lab File: VN052010.D  
 Acq: 25 Oct 2018 14:28

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 315030 |       |       |
| 61      | 21.6  | 17.2   | 25.8  |       |
| 87      | 18.3  | 15.2   | 22.8  |       |





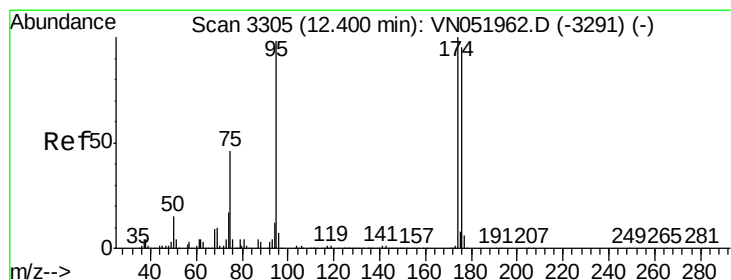
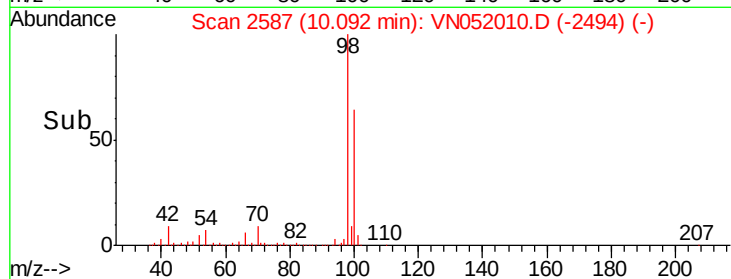
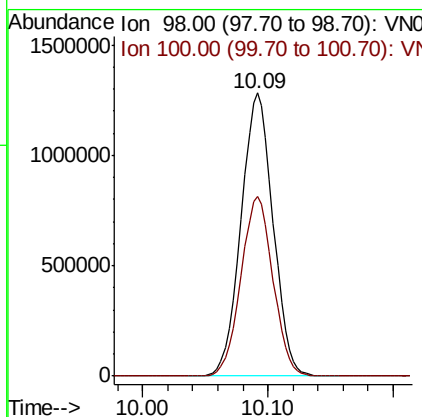
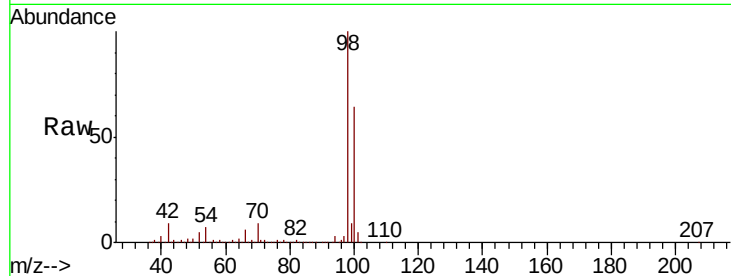
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052010.D  
Acq: 25 Oct 2018 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114155TB

Tot Ion: 98 Resp: 2275197  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.7 76.1

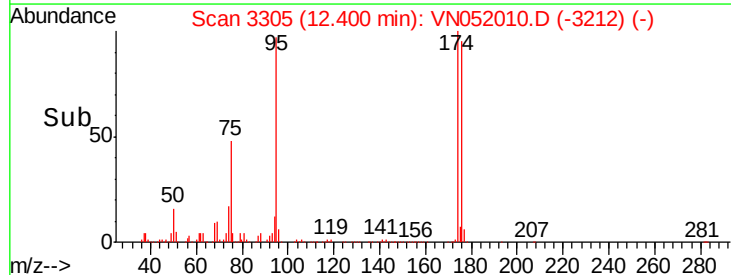
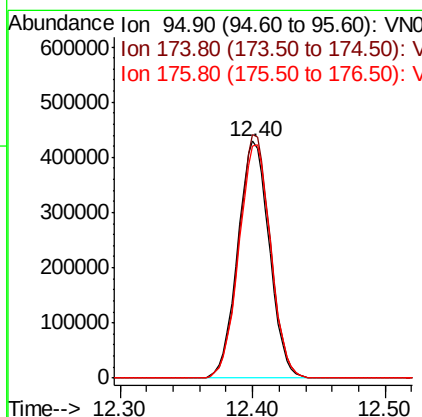
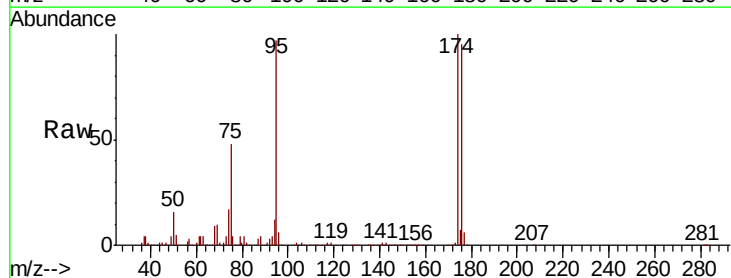
Manual Integrations  
APPROVED

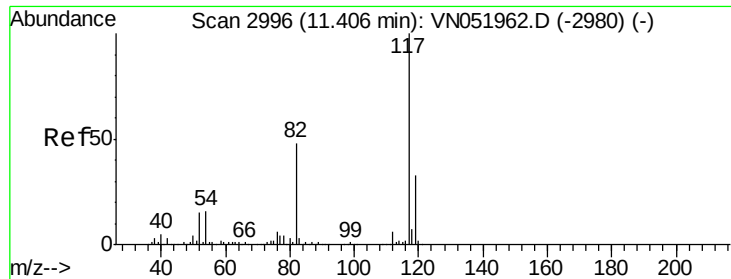
MMDadoda  
10/26/2018 9:19:42 AM



#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.00 min  
Lab File: VN052010.D  
Acq: 25 Oct 2018 14:28

Tgt Ion: 95 Resp: 707288  
Ion Ratio Lower Upper  
95 100  
174 102.8 0.0 206.0  
176 99.3 0.0 198.0





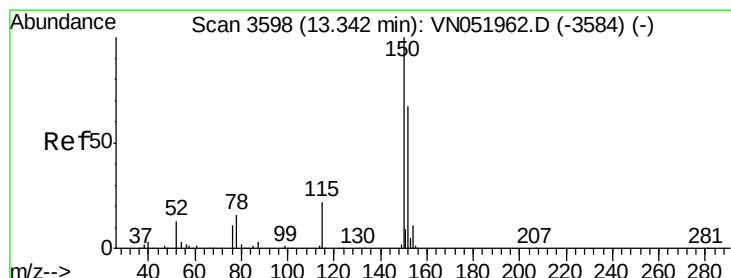
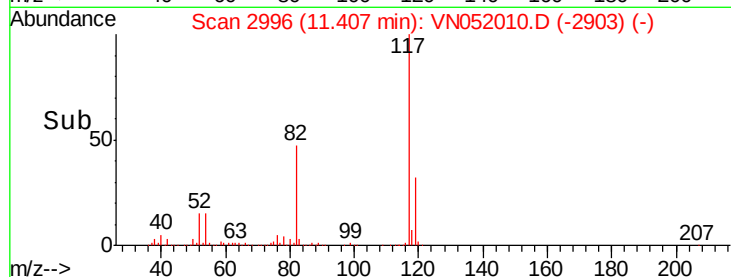
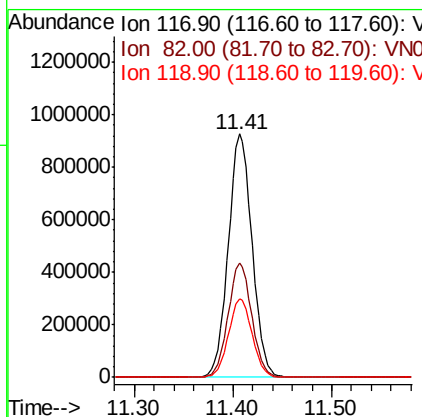
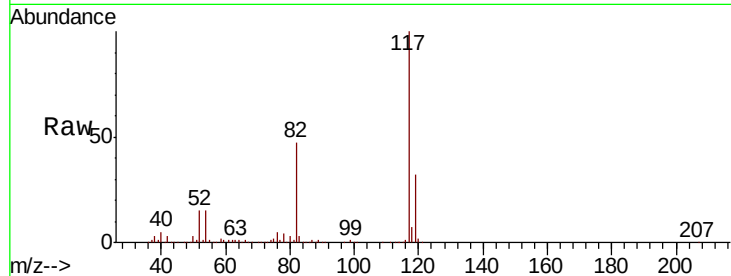
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052010.D  
Acq: 25 Oct 2018 14:28

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB114155TB

Tot Ion:117 Resp: 1565898  
Ion Ratio Lower Upper  
117 100  
82 46.9 38.1 57.1  
119 32.1 26.4 39.6

Manual Integrations  
APPROVED

MMDadoda  
10/26/2018 9:19:42 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN052010.D  
Acq: 25 Oct 2018 14:28

Tgt Ion:152 Resp: 699414  
Ion Ratio Lower Upper  
152 100  
115 53.2 25.8 77.3  
150 155.4 0.0 344.4

