

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
 Data File : VN051853.D  
 Acq On : 13 Oct 2018 00:27  
 Operator : MD\SY  
 Sample : PB113779ZHE#06  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 34 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113779ZHE#06

Manual Integrations  
 APPROVED

MMDadoda  
 10/15/2018 11:28:06 AM

Quant Time: Oct 13 03:42:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 09:51:20 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 806619   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1180840  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1038415  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 378340   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 435058   | 56.43 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 112.86% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 432593   | 58.92 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.84% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1612438  | 58.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.86% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 468935   | 49.65 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.30%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 17512    | 10.53 | ug/l    | 95       |
| 18) Methyl Acetate          | 4.34  | 43   | 11231    | 1.52  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.56  | 84   | 11436m   | 1.66  | ug/l    |          |
| 43) Isopropyl Acetate       | 8.17  | 43   | 267814   | 27.09 | ug/l    | 95       |

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

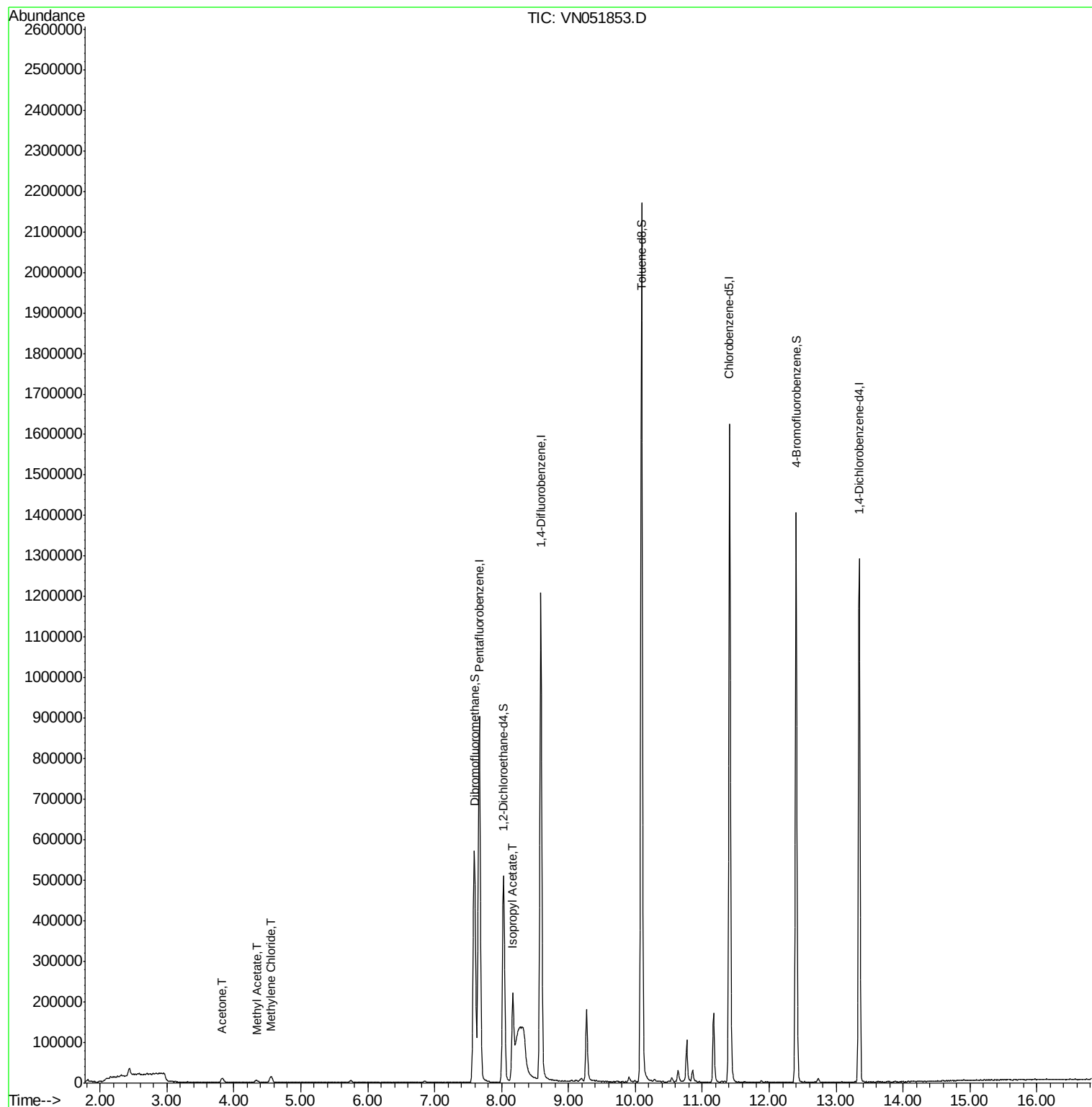
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
Data File : VN051853.D  
Acq On : 13 Oct 2018 00:27  
Operator : MD\SY  
Sample : PB113779ZHE#06  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 34 Sample Multiplier: 28

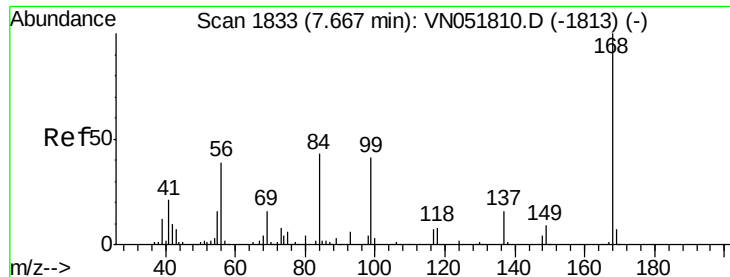
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#06

Manual Integrations  
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10/15/2018 11:28:06 AM

Quant Time: Oct 13 03:42:41 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101118W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 09:51:20 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051853.D

Acq: 13 Oct 2018 00:27

Instrument :

MSVOA\_N

ClientSampleId :

PB113779ZHE#06

Tgt Ion: 168 Resp: 806619

Ion Ratio Lower Upper

168 100

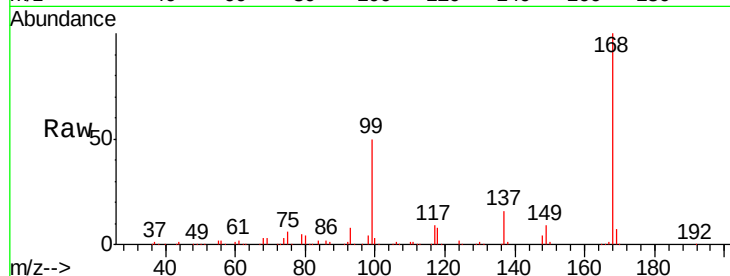
99 49.8 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

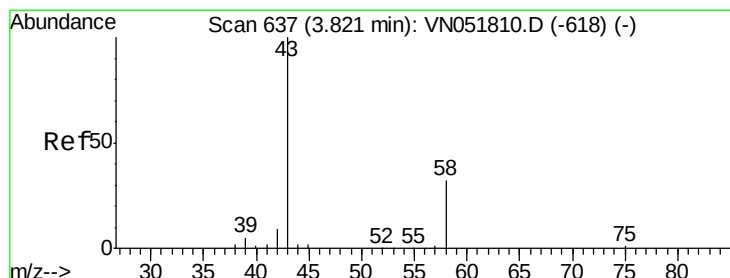
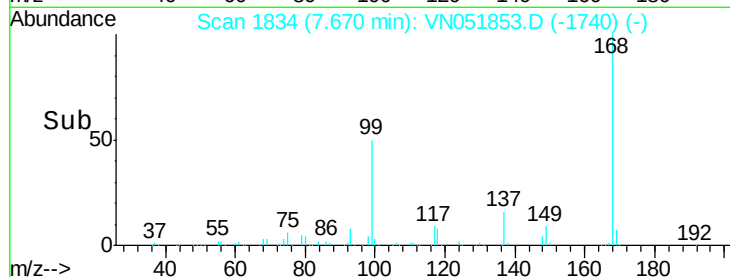
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 10.53 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051853.D

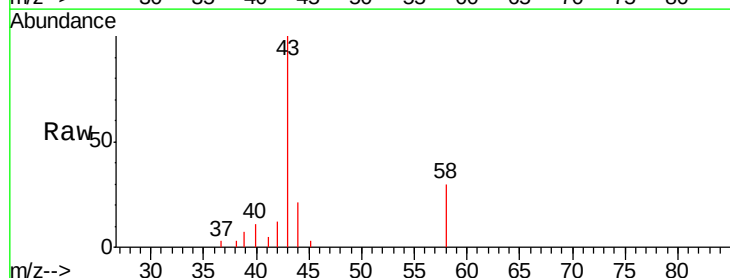
Acq: 13 Oct 2018 00:27

Tgt Ion: 43 Resp: 17512

Ion Ratio Lower Upper

43 100

58 31.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051810.D (-618) (-)

3.82

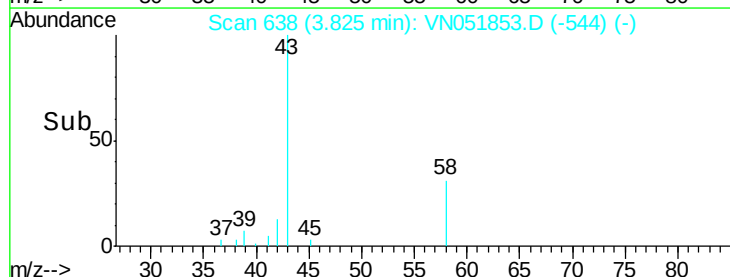
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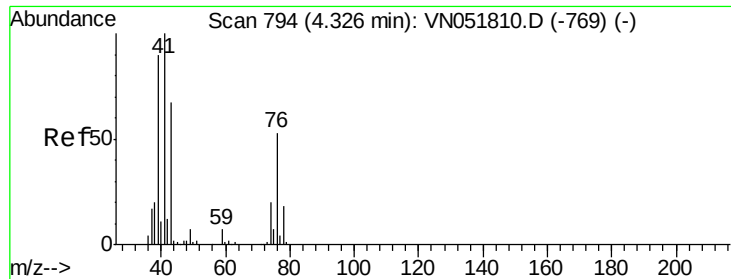
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2000

0

Time-->





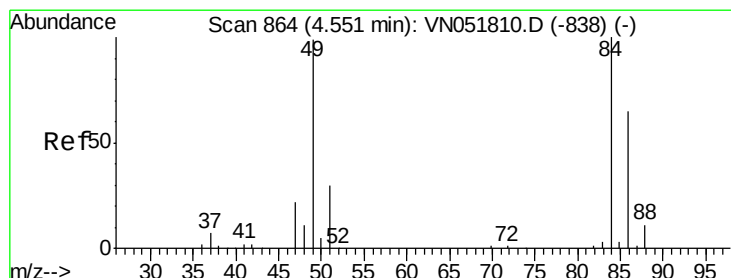
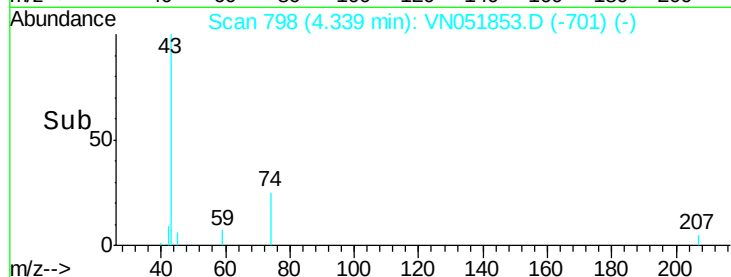
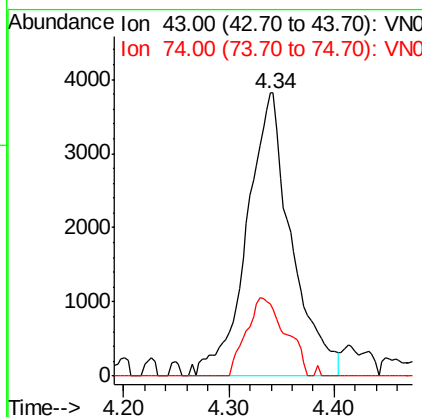
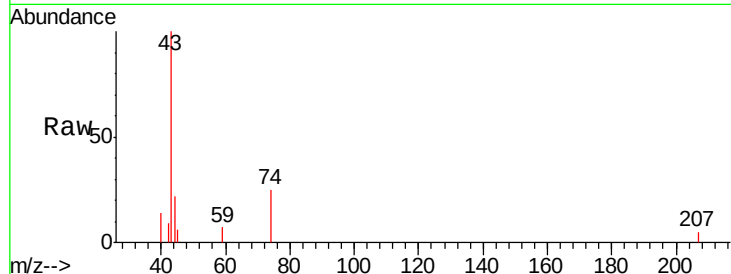
#18  
Methyl Acetate  
Concen: 1.52 ug/l  
RT: 4.34 min Scan# 798  
Delta R.T. 0.01 min  
Lab File: VN051853.D  
Acq: 13 Oct 2018 00:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#06

Tgt Ion: 43 Resp: 11231  
Ion Ratio Lower Upper  
43 100  
74 24.3 19.8 29.8

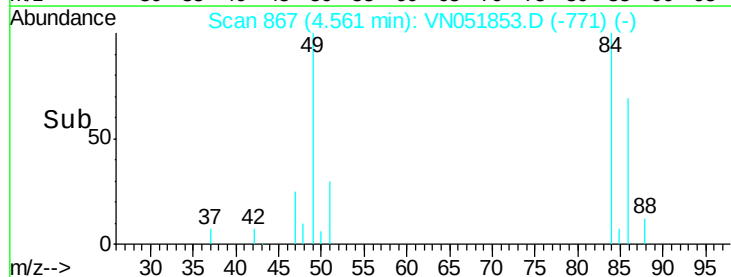
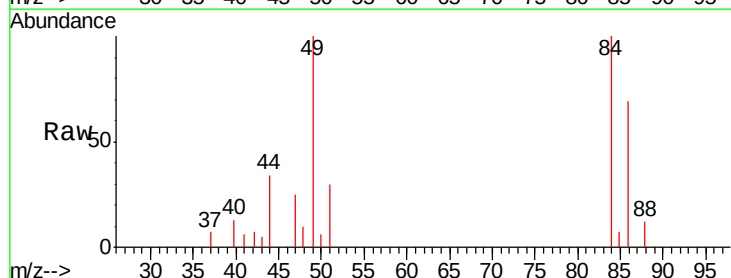
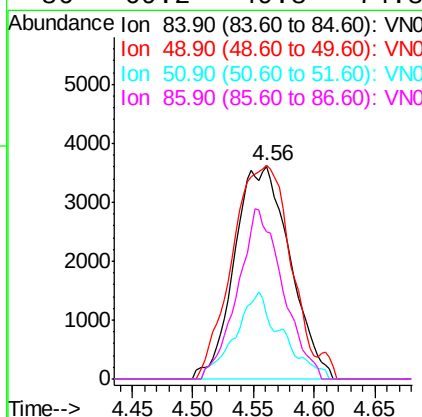
Manual Integrations  
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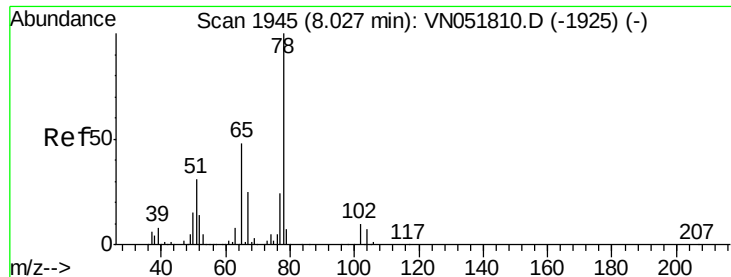
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#20  
Methylene Chloride  
Concen: 1.66 ug/l m  
RT: 4.56 min Scan# 867  
Delta R.T. 0.01 min  
Lab File: VN051853.D  
Acq: 13 Oct 2018 00:27

Tgt Ion: 84 Resp: 11436  
Ion Ratio Lower Upper  
84 100  
49 100.4 93.2 139.8  
51 30.0 29.0 43.6  
86 69.2 49.8 74.8





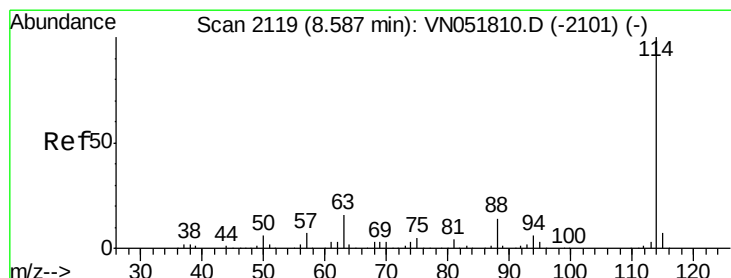
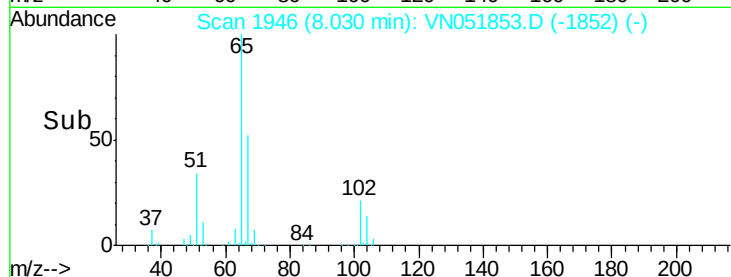
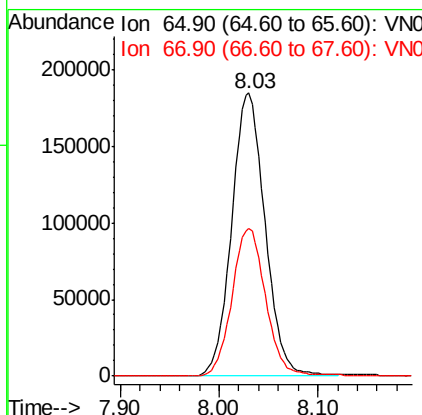
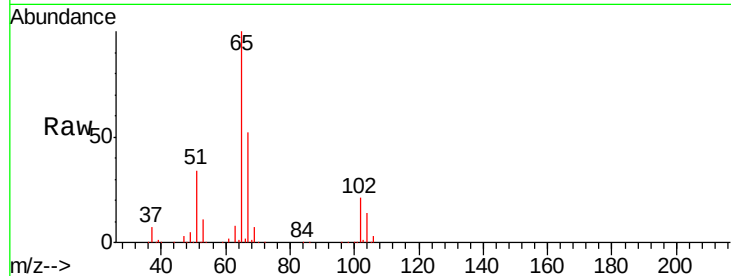
#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN051853.D  
 Acq: 13 Oct 2018 00:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113779ZHE#06

Tgt Ion: 65 Resp: 435058  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 110.4

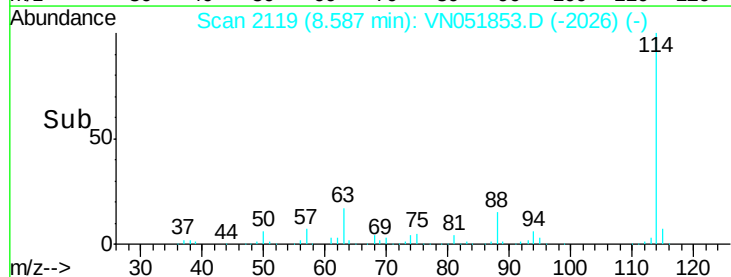
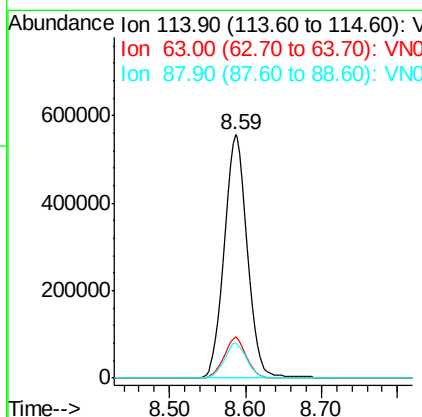
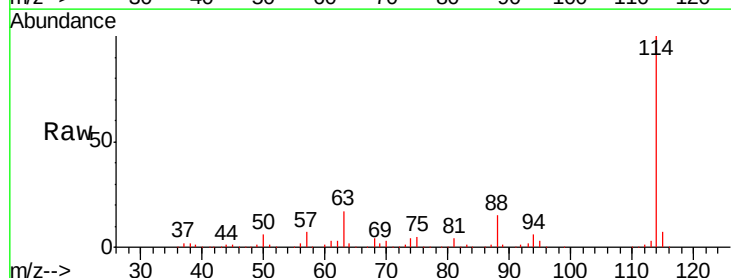
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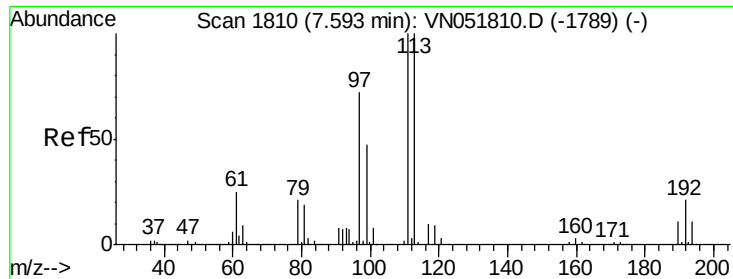
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051853.D  
 Acq: 13 Oct 2018 00:27

Tgt Ion: 114 Resp: 1180840  
 Ion Ratio Lower Upper  
 114 100  
 63 16.8 0.0 38.6  
 88 14.6 0.0 30.6





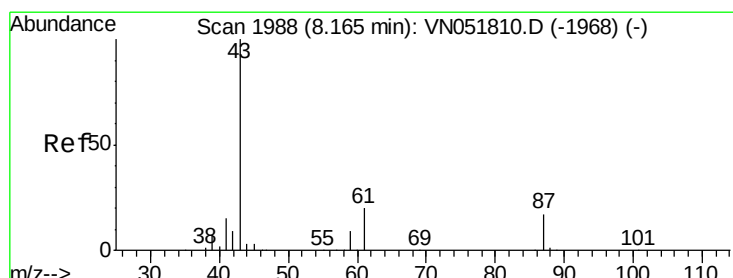
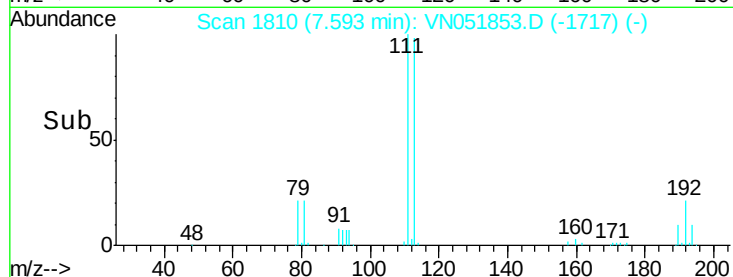
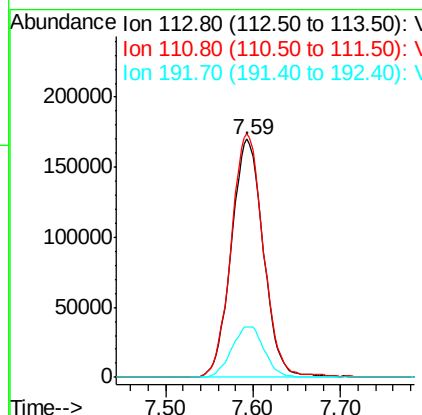
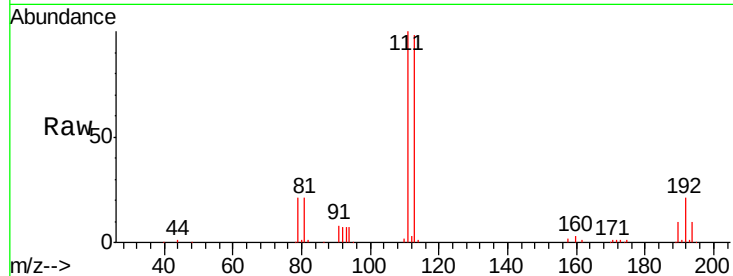
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051853.D  
 Acq: 13 Oct 2018 00:27

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113779ZHE#06

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 432593 |       |       |
| 111     | 101.9 | 82.6   | 123.8 |       |
| 192     | 21.7  | 18.0   | 27.0  |       |

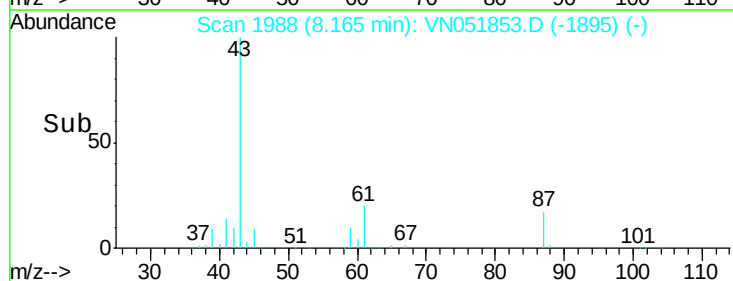
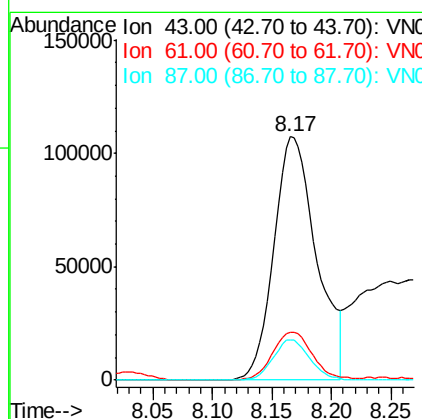
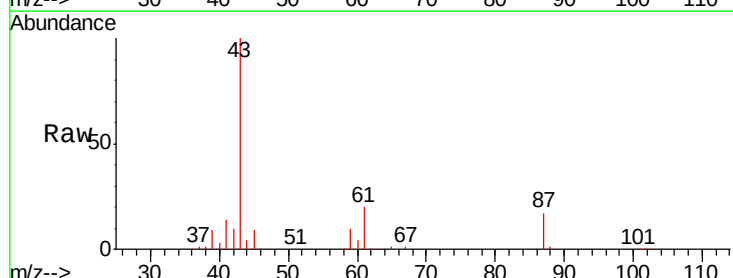
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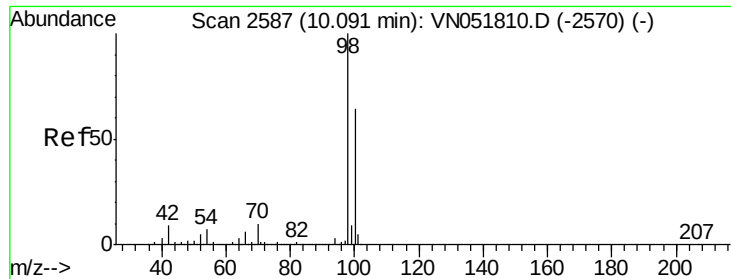
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#43  
 Isopropyl Acetate  
 Concen: 27.09 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN051853.D  
 Acq: 13 Oct 2018 00:27

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 43      | 100   | 267814 |       |       |
| 61      | 18.5  | 17.5   | 26.3  |       |
| 87      | 14.2  | 11.3   | 16.9  |       |





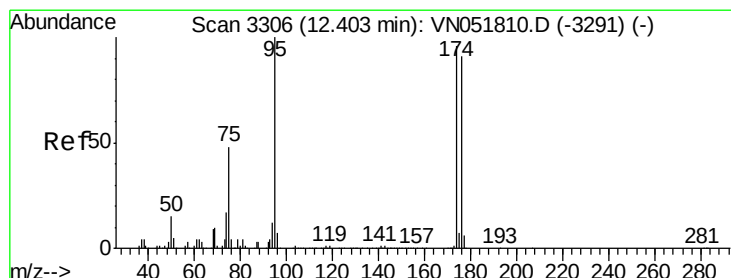
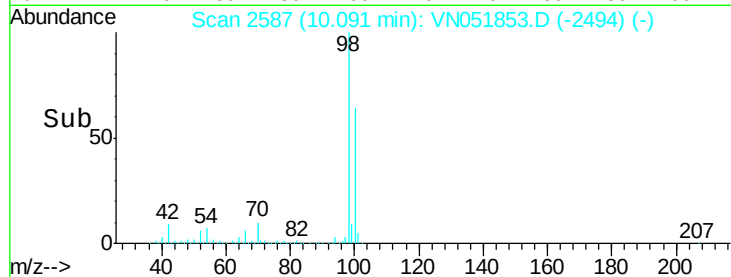
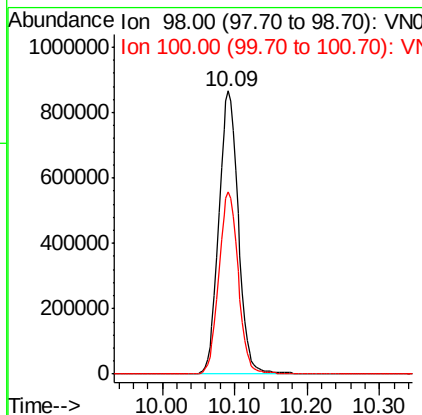
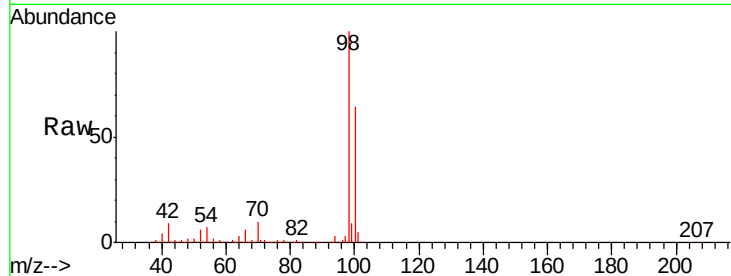
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN051853.D  
Acq: 13 Oct 2018 00:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#06

Tgt Ion: 98 Resp: 1612438  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.5 77.3

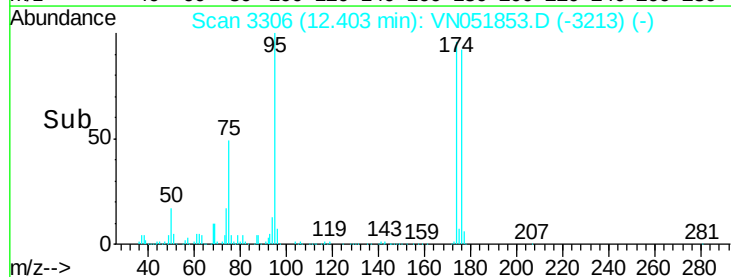
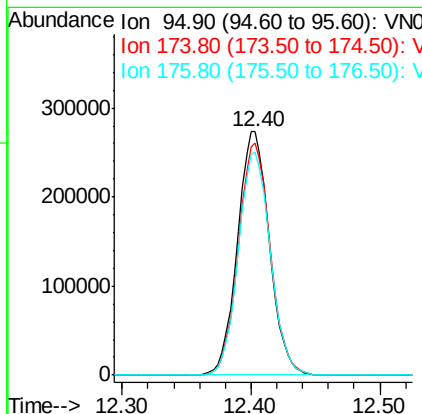
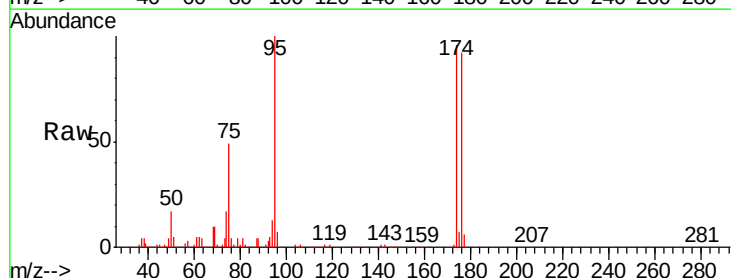
Manual Integrations  
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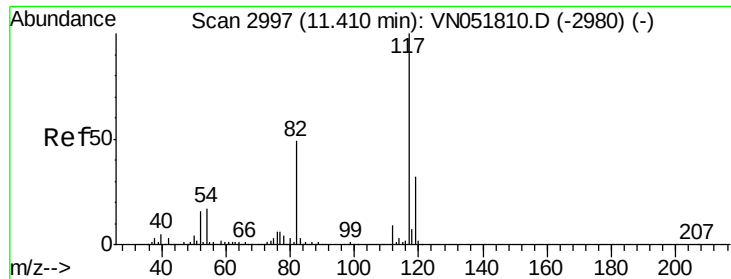
MMDadoda  
10/15/2018 11:28:06 AM



#62  
4-Bromofluorobenzene  
Concen: Below ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051853.D  
Acq: 13 Oct 2018 00:27

Tgt Ion: 95 Resp: 468935  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 183.0  
176 92.5 0.0 178.8





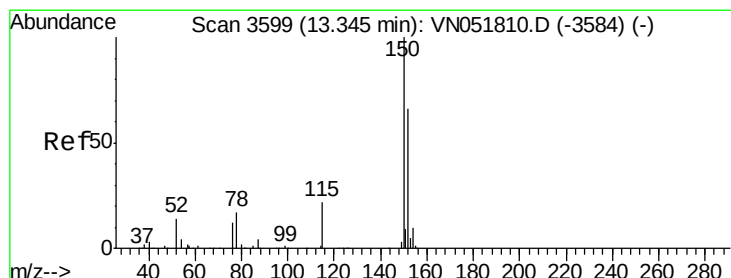
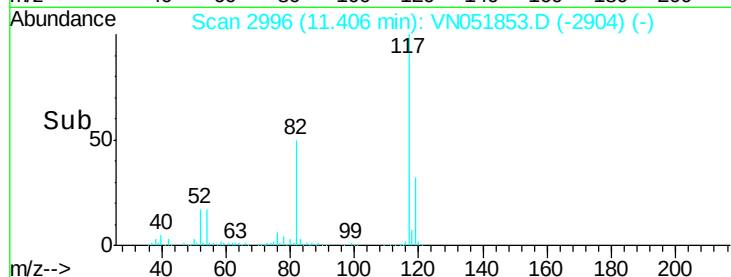
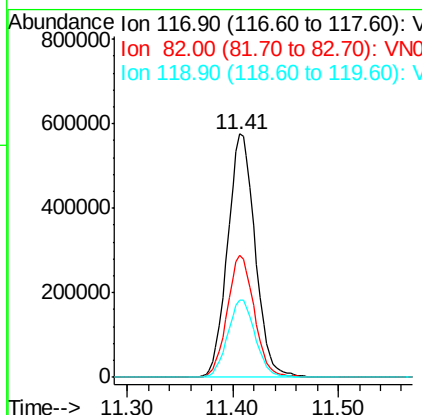
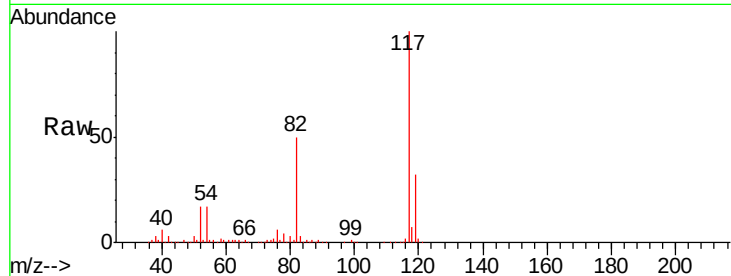
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051853.D  
Acq: 13 Oct 2018 00:27

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 50.1  | 42.6  | 64.0  |
| 119     | 32.0  | 25.8  | 38.6  |

Manual Integrations  
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10/15/2018 11:28:06 AM



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051853.D  
Acq: 13 Oct 2018 00:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.9  | 27.8  | 83.4  |
| 150     | 155.7 | 0.0   | 351.4 |

