

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
 Data File : VN051854.D  
 Acq On : 13 Oct 2018 00:51  
 Operator : MD\SY  
 Sample : PB113779ZHE#07  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 35 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113779ZHE#07

Manual Integrations  
 APPROVED

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

Quant Time: Oct 13 03:44:20 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  | 857455   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1249281  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1098866  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 406477   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 472134   | 57.61 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 115.22% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 457881   | 58.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 117.88% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1723649  | 59.55 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 119.10% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 495319   | 49.57 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.14%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 17076m   | 9.66  | ug/l    | Qvalue   |
| 18) Methyl Acetate          | 4.33  | 43   | 10690    | 1.25  | ug/l #  | 87       |
| 20) Methylene Chloride      | 4.55  | 84   | 11804    | 1.61  | ug/l #  | 85       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 268006   | 25.60 | ug/l #  | 94       |

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

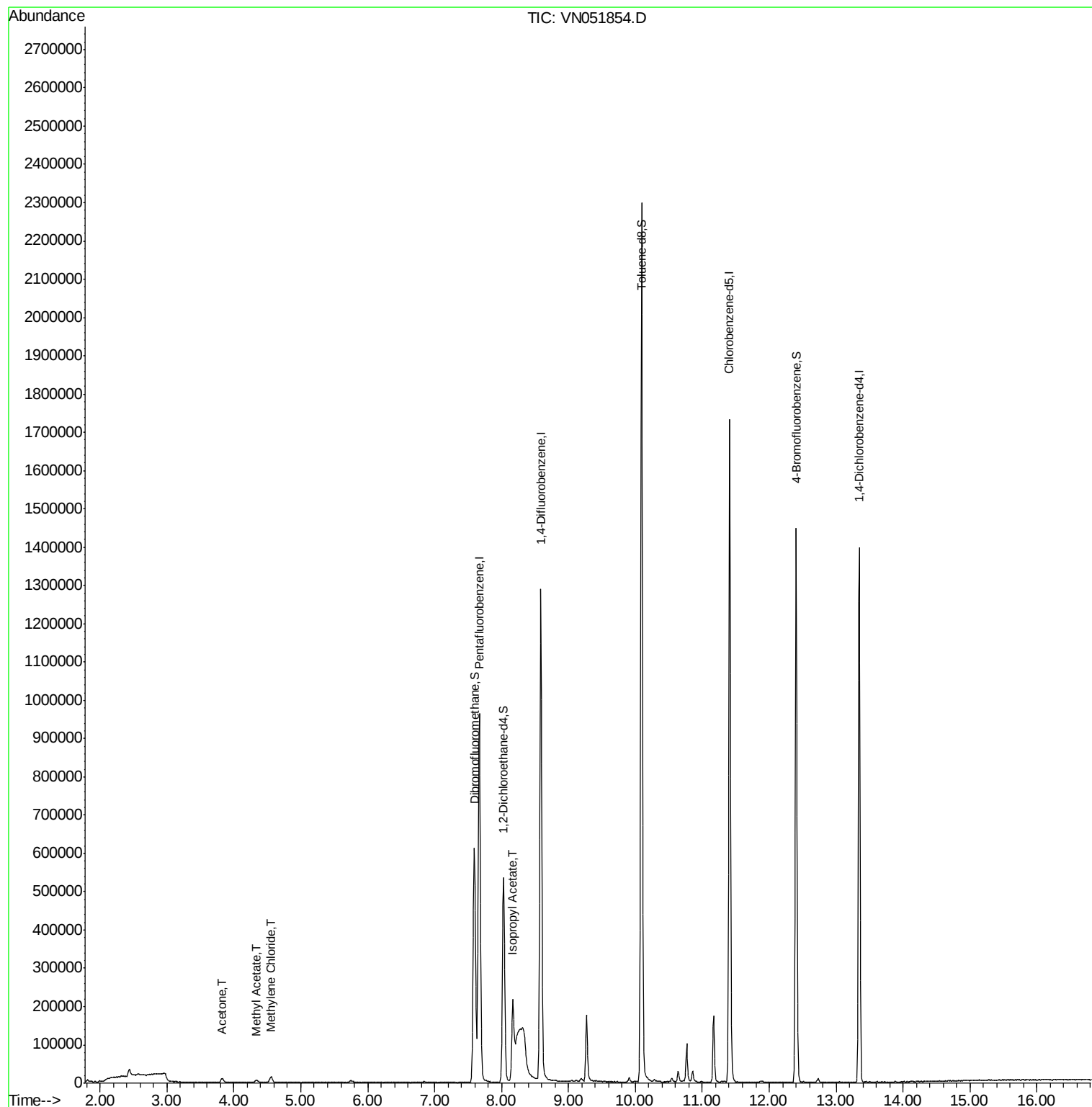
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN101218\  
Data File : VN051854.D  
Acq On : 13 Oct 2018 00:51  
Operator : MD\SY  
Sample : PB113779ZHE#07  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 35 Sample Multiplier: 28

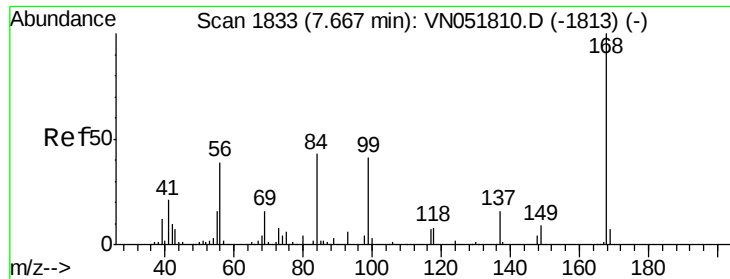
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#07

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

Quant Time: Oct 13 03:44:20 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# 1833

Delta R.T. 0.00 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA\_N

ClientSampleId :

PB113779ZHE#07

Tgt Ion: 168 Resp: 857455

Ion Ratio Lower Upper

168 100

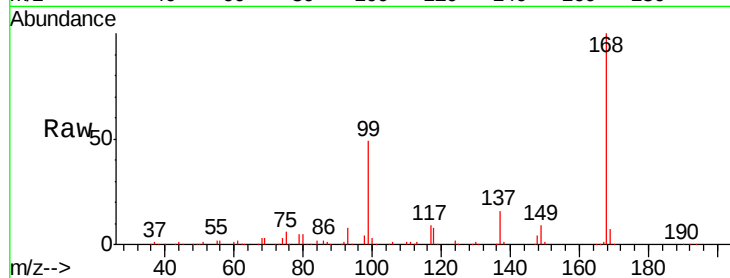
99 49.2 39.6 59.4

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

400000

300000

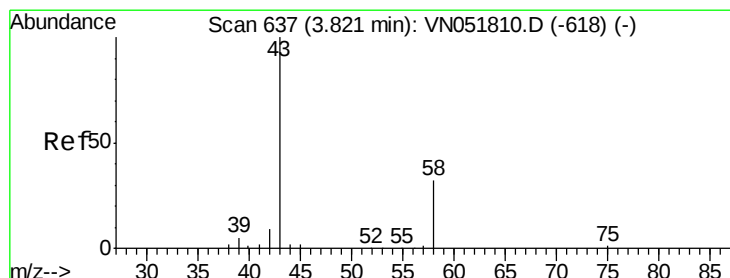
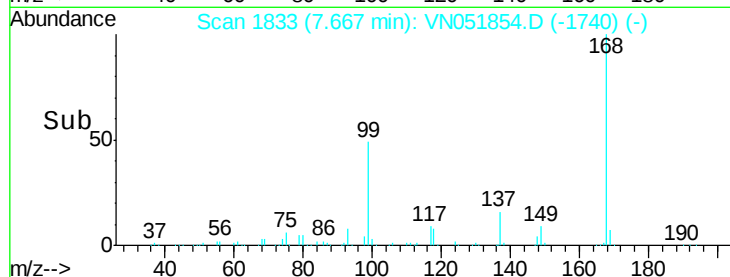
200000

100000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 9.66 ug/l m

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051854.D

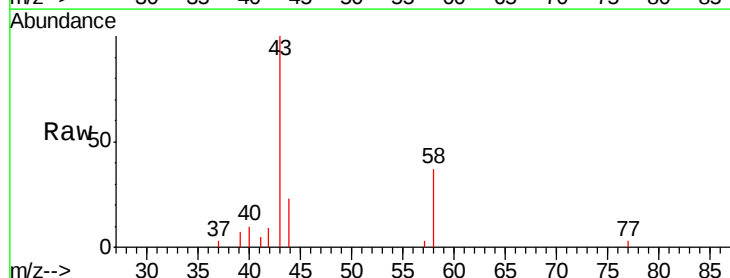
Acq: 13 Oct 2018 00:51

Tgt Ion: 43 Resp: 17076

Ion Ratio Lower Upper

43 100

58 36.9 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

6000

5000

4000

3000

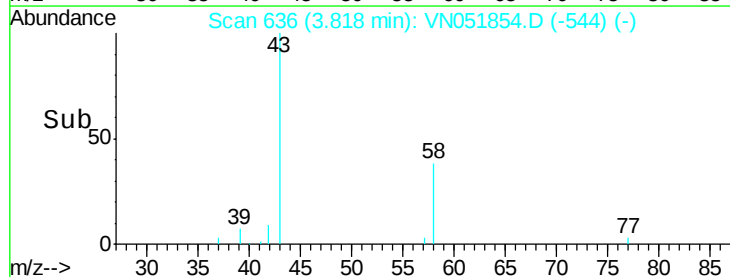
2000

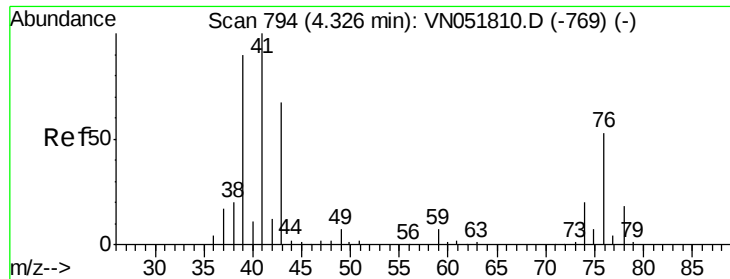
1000

0

3.75 3.80 3.85 3.90

Time-->





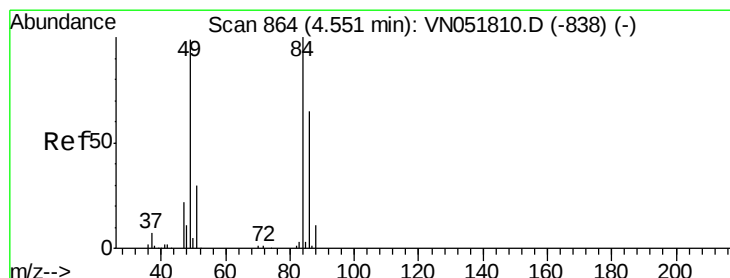
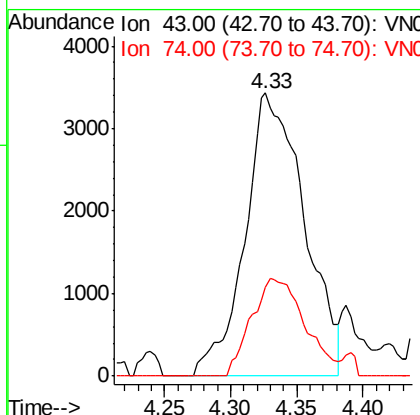
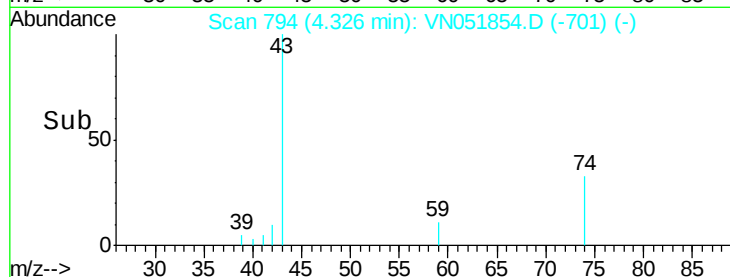
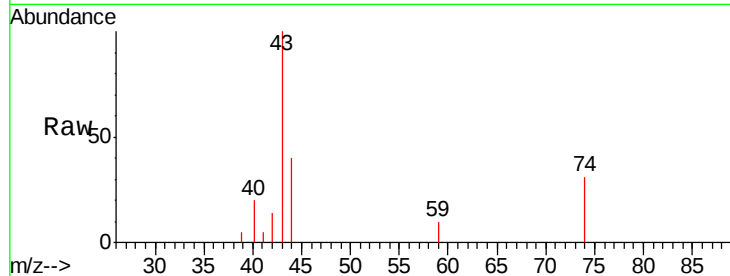
#18  
Methyl Acetate  
Concen: 1.25 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN051854.D  
Acq: 13 Oct 2018 00:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#07

Tgt Ion: 43 Resp: 10690  
Ion Ratio Lower Upper  
43 100  
74 31.1 19.8 29.8#

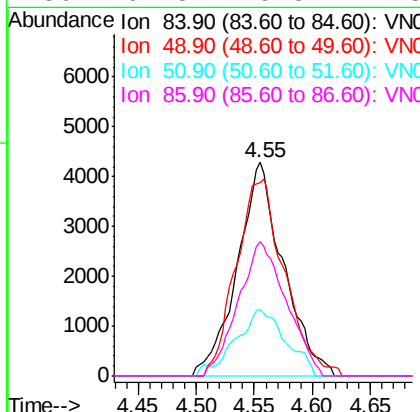
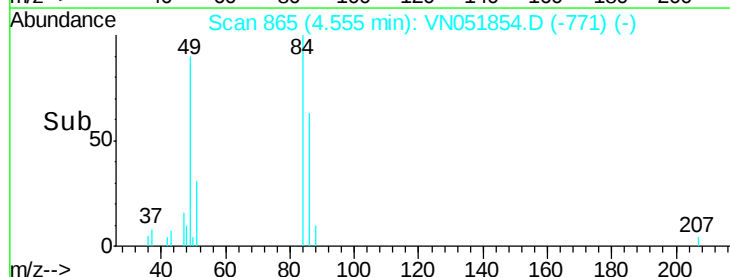
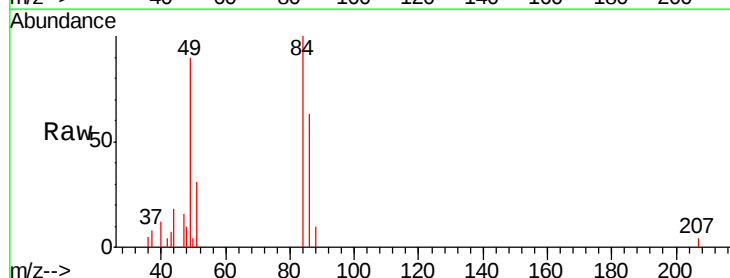
Manual Integrations  
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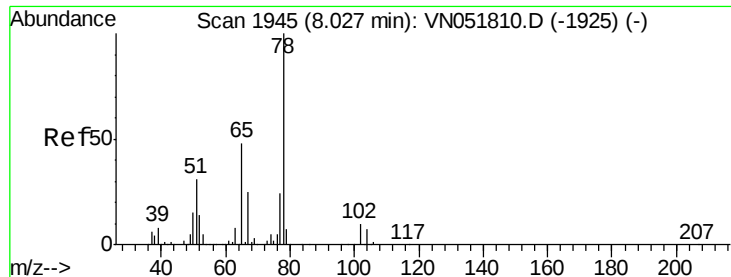
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#20  
Methylene Chloride  
Concen: 1.61 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN051854.D  
Acq: 13 Oct 2018 00:51

Tgt Ion: 84 Resp: 11804  
Ion Ratio Lower Upper  
84 100  
49 90.5 93.2 139.8#  
51 31.0 29.0 43.6  
86 62.8 49.8 74.8





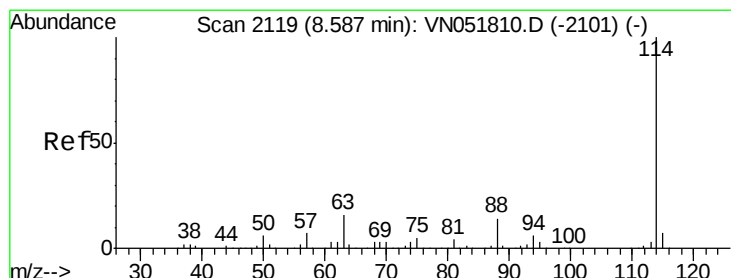
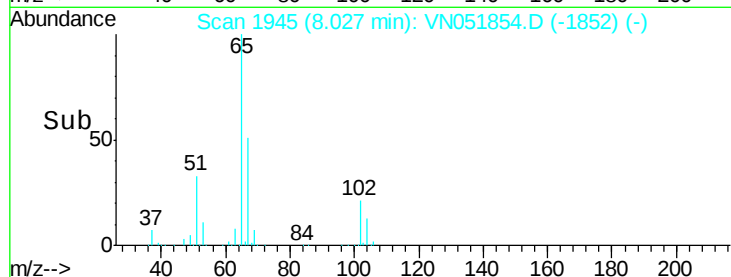
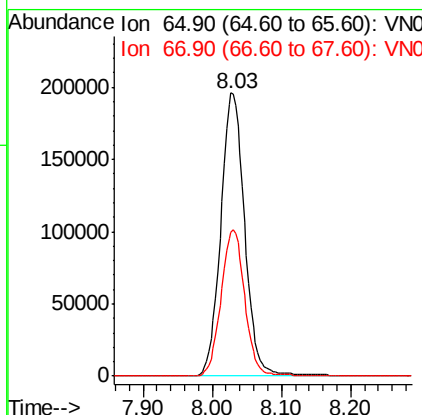
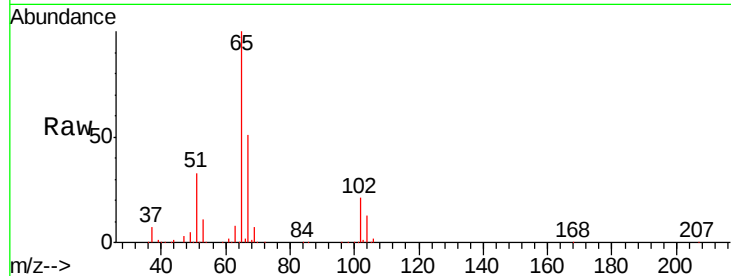
#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN051854.D  
 Acq: 13 Oct 2018 00:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113779ZHE#07

Tgt Ion: 65 Resp: 472134  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 110.4

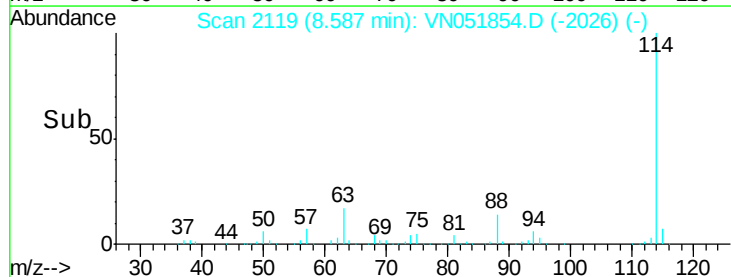
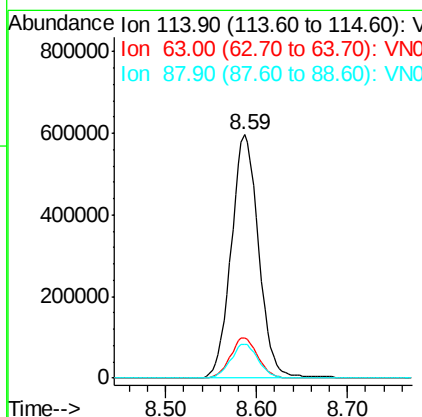
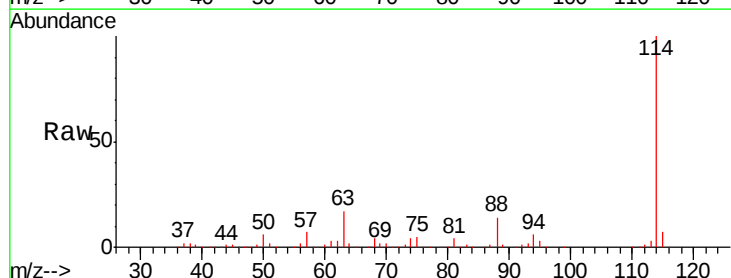
Manual Integrations  
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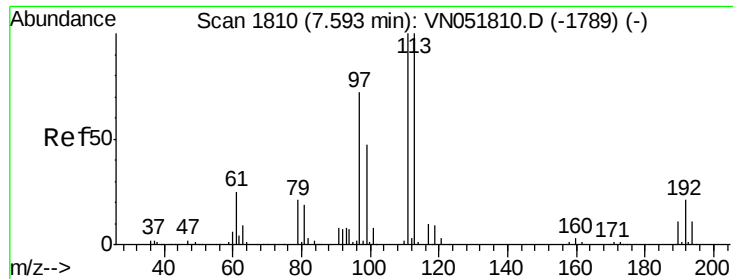
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#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN051854.D  
 Acq: 13 Oct 2018 00:51

Tgt Ion: 114 Resp: 1249281  
 Ion Ratio Lower Upper  
 114 100  
 63 16.6 0.0 38.6  
 88 14.0 0.0 30.6





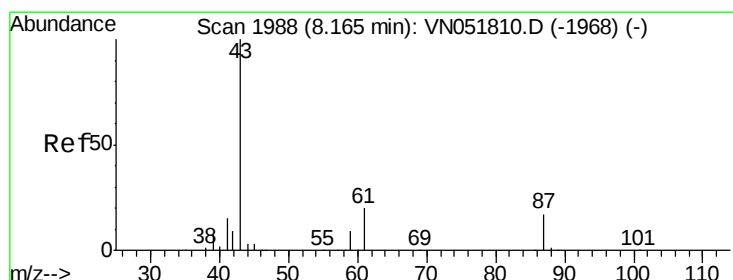
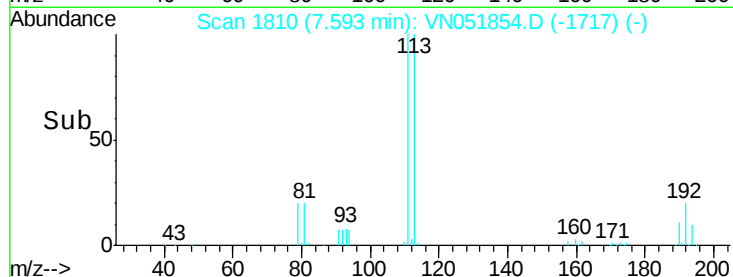
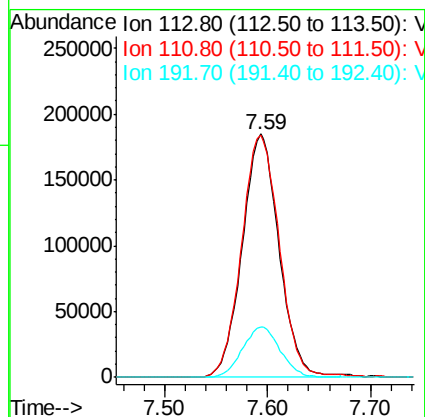
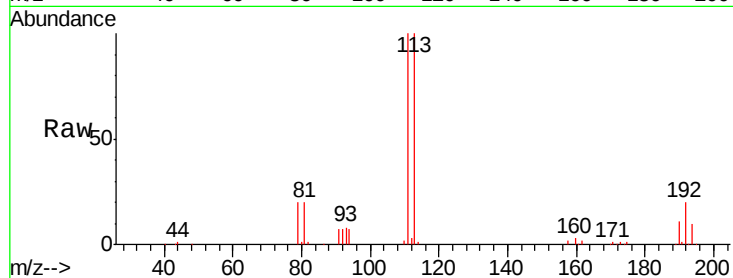
#35  
 Dibromofluoromethane  
 Concen: 50.00 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051854.D  
 Acq: 13 Oct 2018 00:51

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113779ZHE#07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 82.6  | 123.8 |
| 192     | 21.3  | 18.0  | 27.0  |

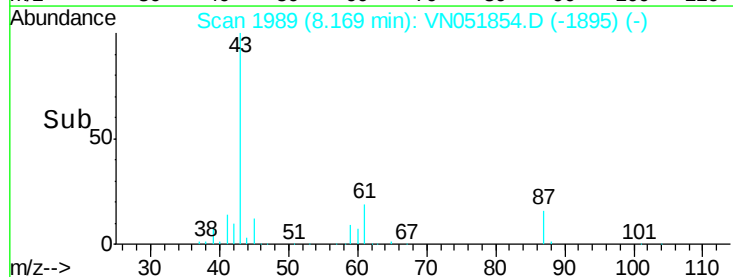
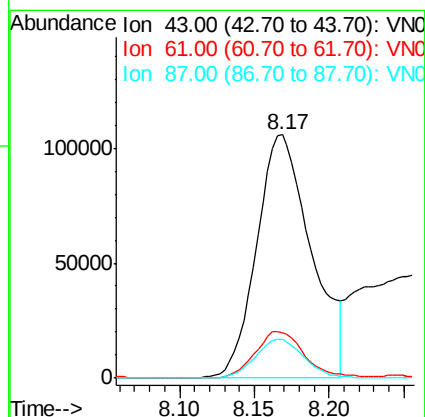
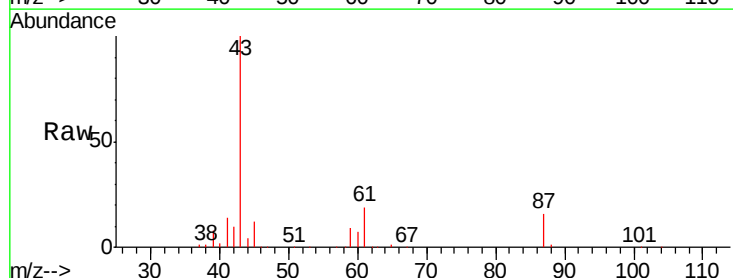
Manual Integrations  
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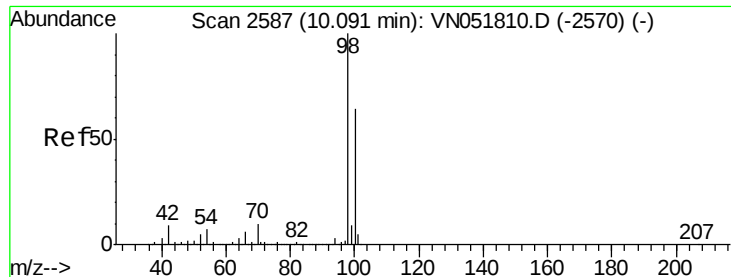
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#43  
 Isopropyl Acetate  
 Concen: 25.60 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN051854.D  
 Acq: 13 Oct 2018 00:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.5  | 17.5  | 26.3# |
| 87      | 14.4  | 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: VN051854.D

Acq: 13 Oct 2018 00:51

Instrument :

MSVOA\_N

ClientSampleId :

PB113779ZHE#07

Tgt Ion: 98 Resp: 1723649

Ion Ratio Lower Upper

98 100

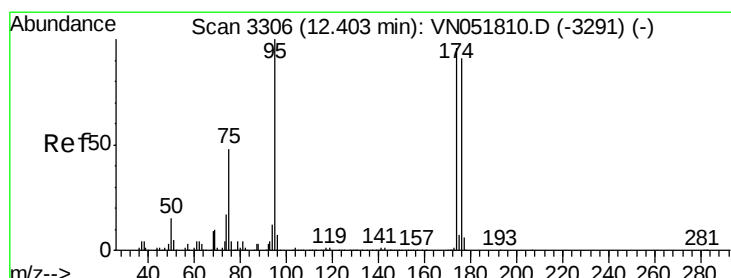
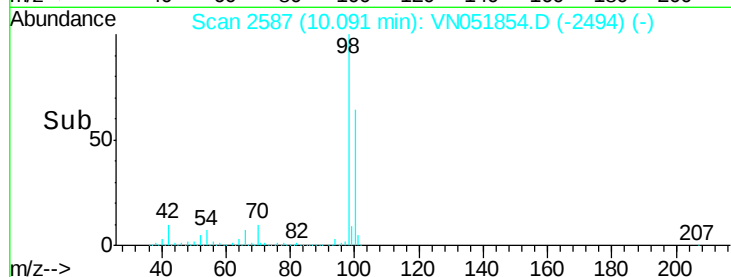
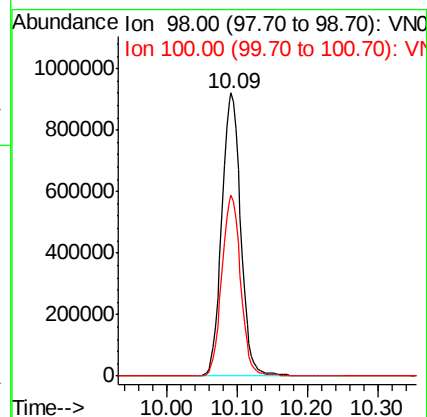
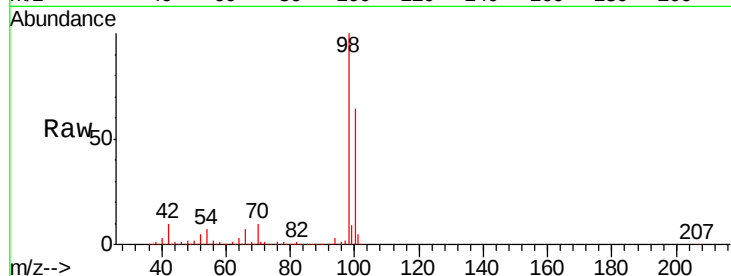
100 63.4 51.5 77.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051854.D

Acq: 13 Oct 2018 00:51

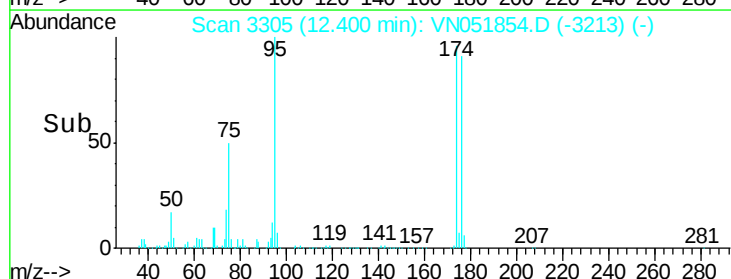
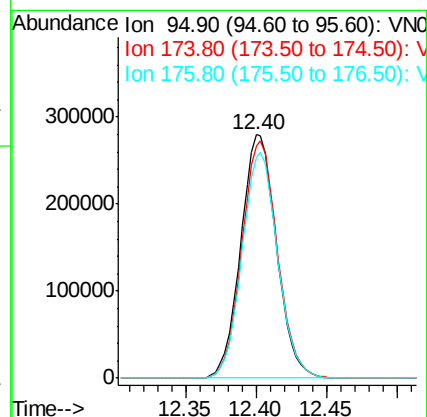
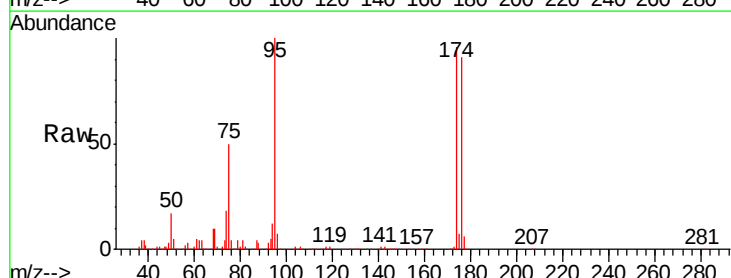
Tgt Ion: 95 Resp: 495319

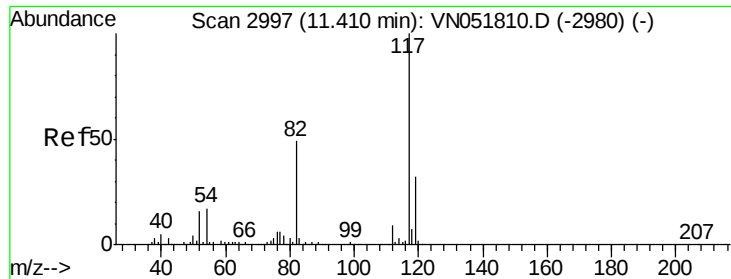
Ion Ratio Lower Upper

95 100

174 97.3 0.0 183.0

176 92.4 0.0 178.8





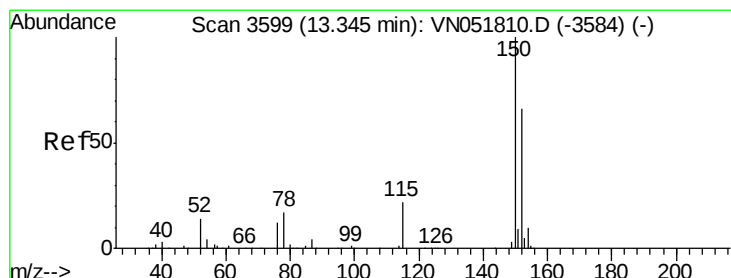
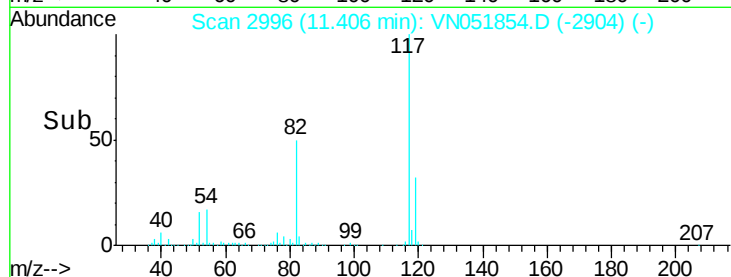
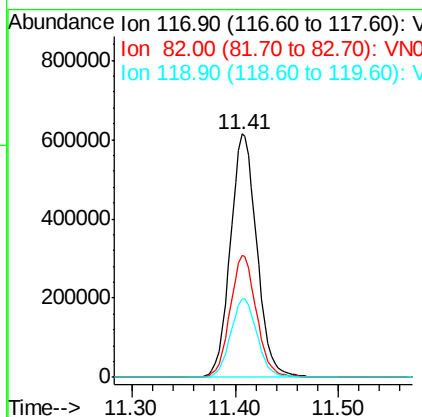
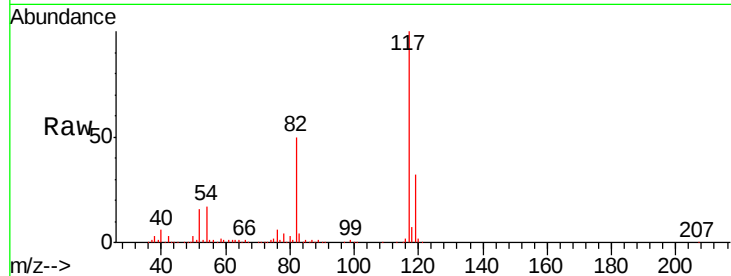
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051854.D  
Acq: 13 Oct 2018 00:51

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113779ZHE#07

Tgt Ion:117 Resp: 1098866  
Ion Ratio Lower Upper  
117 100  
82 50.2 42.6 64.0  
119 32.1 25.8 38.6

Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051854.D  
Acq: 13 Oct 2018 00:51

Tgt Ion:152 Resp: 406477  
Ion Ratio Lower Upper  
152 100  
115 55.6 27.8 83.4  
150 155.8 0.0 351.4

