

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN121718\  
 Data File : VN052947.D  
 Acq On : 18 Dec 2018 00:58  
 Operator : MD\SY  
 Sample : J6378-06ME  
 Misc : 3.21g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
 ALS Vial : 36 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 P001-SD010-0006-01ME

Manual Integrations  
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 12/18/2018 1:34:09 PM

Quant Time: Dec 18 16:05:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 13 01:08:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.66  | 168  | 1201107  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 1842547  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1641572  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 684879   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.02  | 65   | 589790   | 46.18 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 92.36%  |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 351242   | 34.15 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 68.30%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2259440  | 50.67 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.34% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 727062   | 48.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.24%  |          |

| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

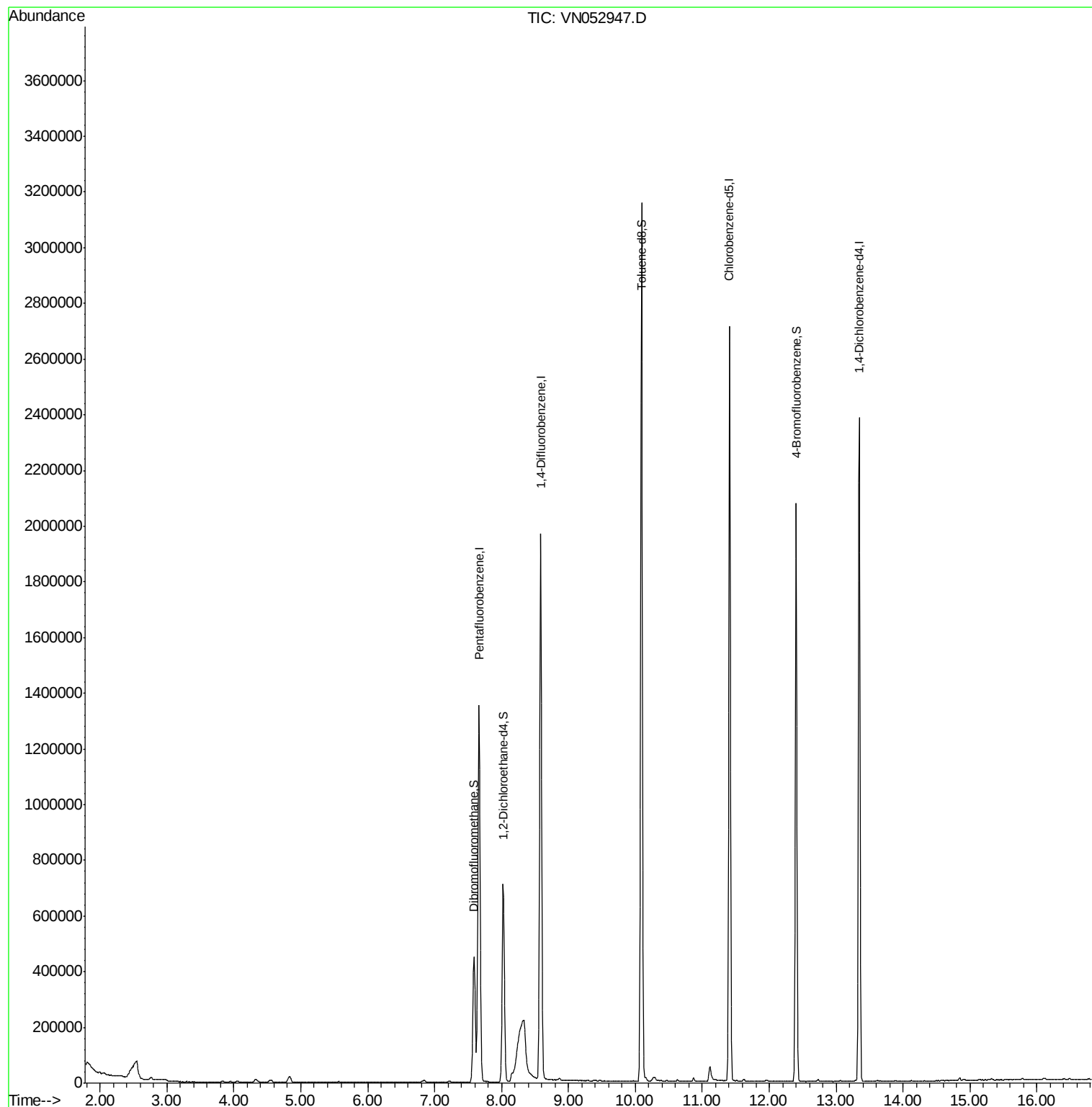
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_N\DATA\VN121718\  
Data File : VN052947.D  
Acq On : 18 Dec 2018 00:58  
Operator : MD\SY  
Sample : J6378-06ME  
Misc : 3.21g/10mL/100uL/5.00mL/MSVOA\_N/MEOH  
ALS Vial : 36 Sample Multiplier: 28

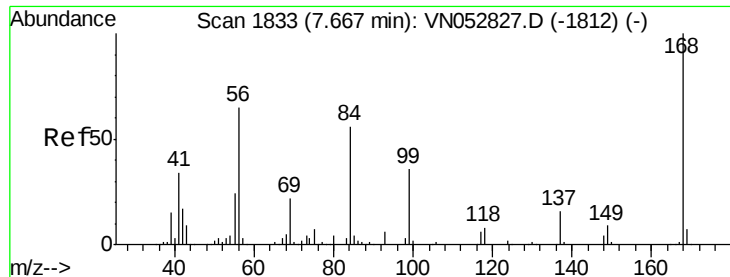
Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD010-0006-01ME

Manual Integrations  
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Quant Time: Dec 18 16:05:58 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N121218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Dec 13 01:08:35 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052947.D

Acq: 18 Dec 2018 00:58

Instrument :

MSVOA\_N

ClientSampleId :

P001-SD010-0006-01ME

Tgt Ion:168 Resp: 1201107

Ion Ratio Lower Upper

168 100

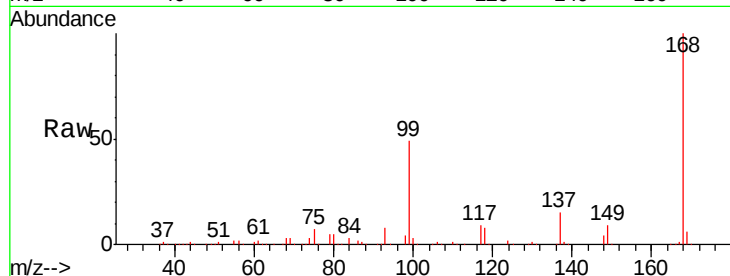
99 49.2 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

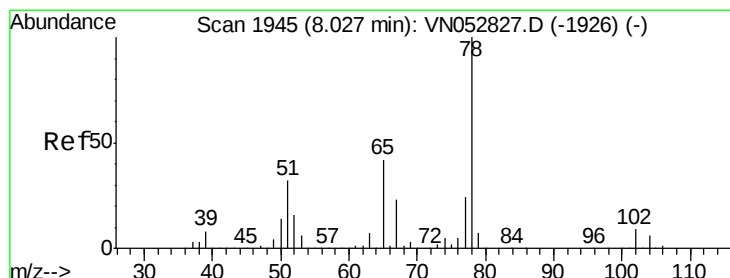
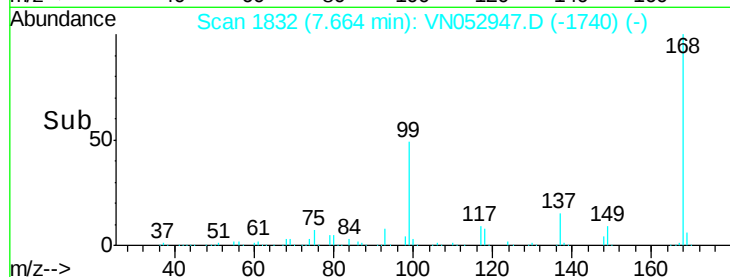
7.66

7.60

7.70

7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052947.D

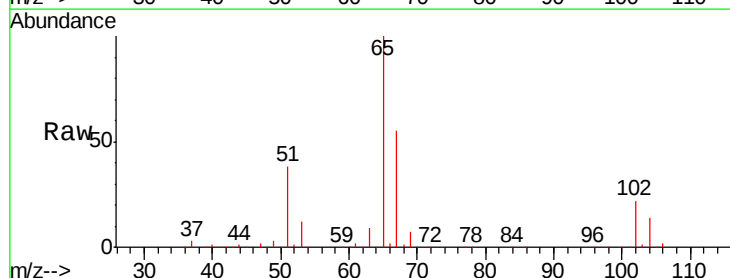
Acq: 18 Dec 2018 00:58

Tgt Ion: 65 Resp: 589790

Ion Ratio Lower Upper

65 100

67 54.6 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

300000

250000

200000

150000

100000

50000

0

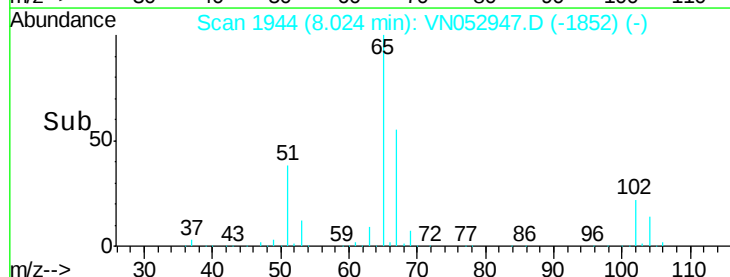
8.02

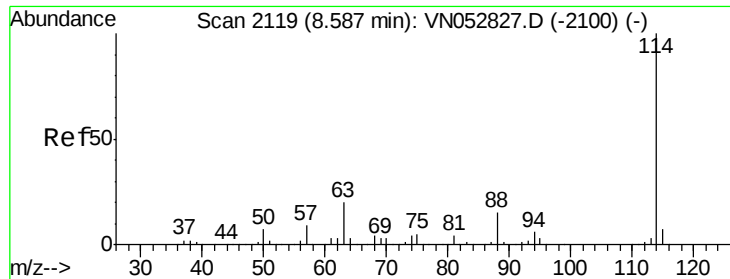
7.90

8.00

8.10

Time-->





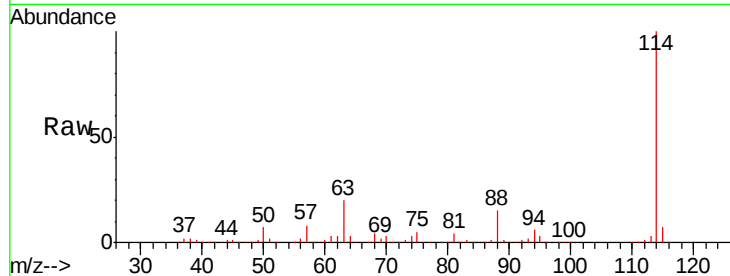
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.58 min Scan# 2118  
Delta R.T. -0.00 min  
Lab File: VN052947.D  
Acq: 18 Dec 2018 00:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD010-0006-01ME

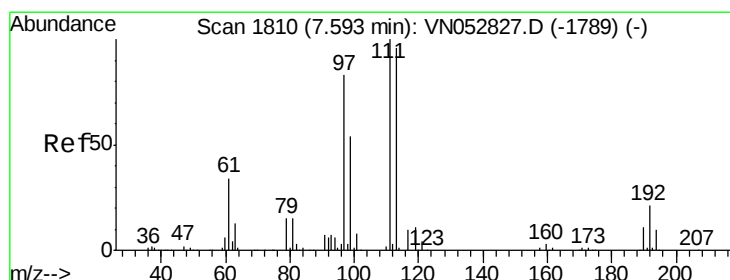
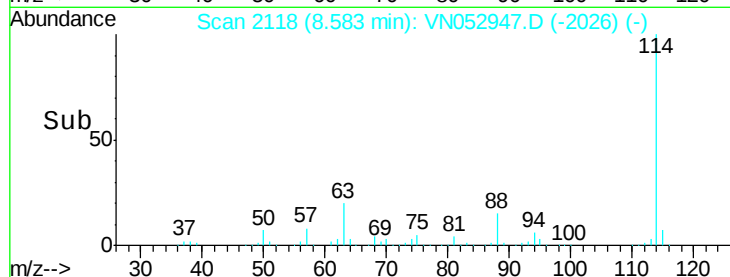
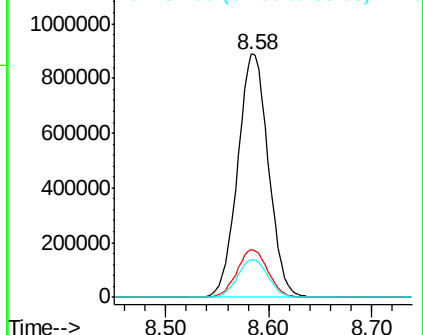
Tgt Ion:114 Resp: 1842547  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 39.8  
88 15.4 0.0 31.0

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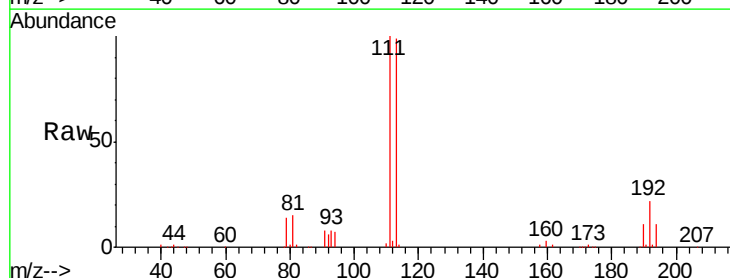


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

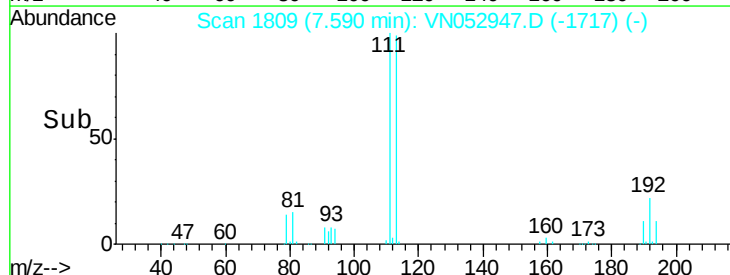
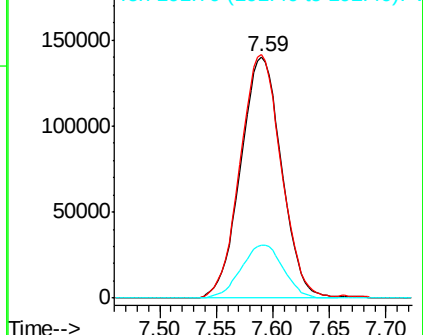


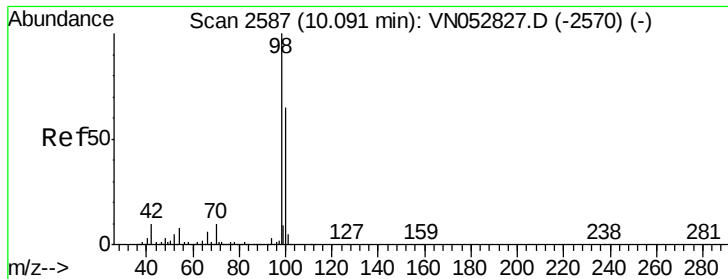
#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1809  
Delta R.T. -0.00 min  
Lab File: VN052947.D  
Acq: 18 Dec 2018 00:58

Tgt Ion:113 Resp: 351242  
Ion Ratio Lower Upper  
113 100  
111 101.6 83.0 124.4  
192 22.8 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V





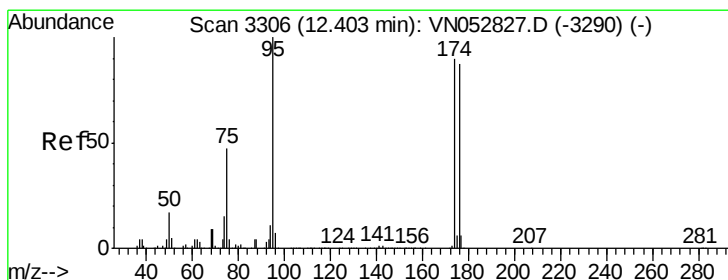
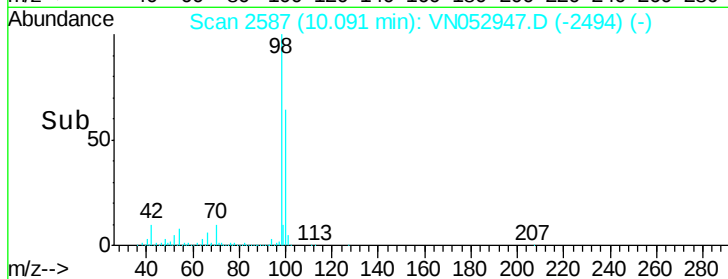
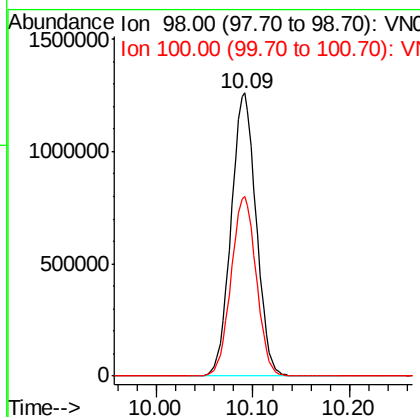
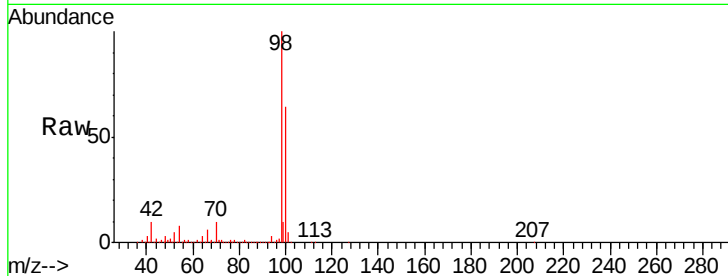
#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN052947.D  
Acq: 18 Dec 2018 00:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD010-0006-01ME

Tgt Ion: 98 Resp: 2259440  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.6 77.4

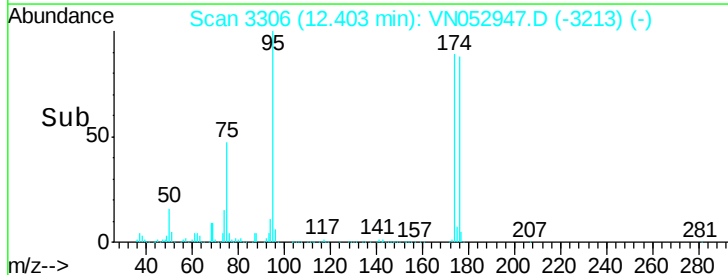
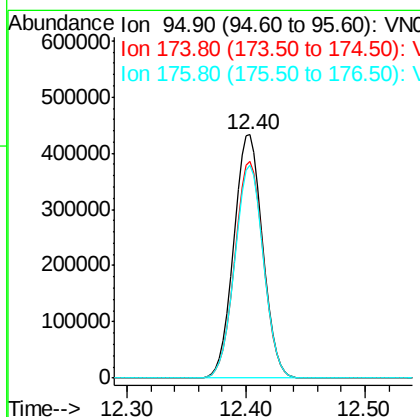
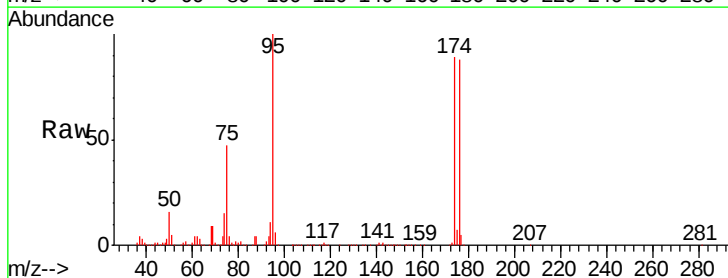
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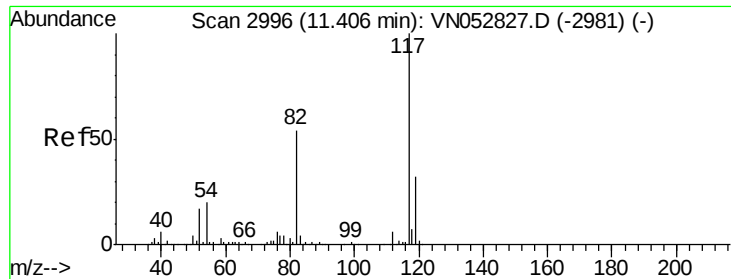
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#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN052947.D  
Acq: 18 Dec 2018 00:58

Tgt Ion: 95 Resp: 727062  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 178.8  
176 86.9 0.0 173.8





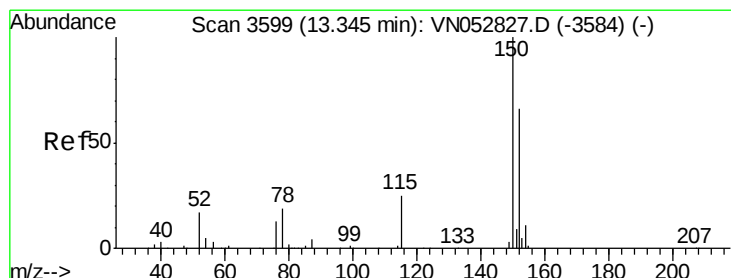
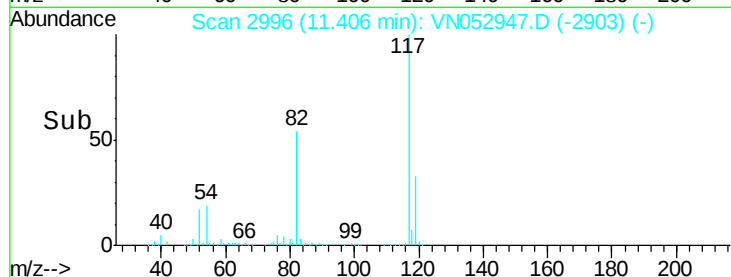
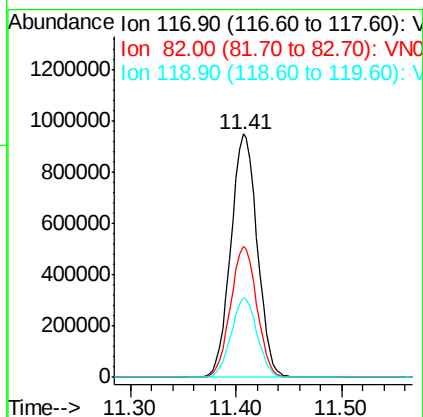
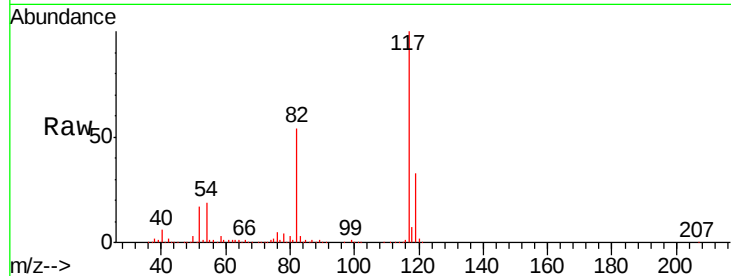
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052947.D  
Acq: 18 Dec 2018 00:58

Instrument :  
MSVOA\_N  
ClientSampleId :  
P001-SD010-0006-01ME

Tgt Ion:117 Resp: 1641572  
Ion Ratio Lower Upper  
117 100  
82 53.9 42.8 64.2  
119 32.6 25.5 38.3

Manual Integrations  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN052947.D  
Acq: 18 Dec 2018 00:58

Tgt Ion:152 Resp: 684879  
Ion Ratio Lower Upper  
152 100  
115 56.5 28.3 85.0  
150 158.1 0.0 347.8

