

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\  
 Data File : VN049846.D  
 Acq On : 17 Jul 2018 15:04  
 Operator : MD\SY  
 Sample : VN0717WBL01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0717WBL01

Quant Time: Jul 17 19:03:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 17 13:20:18 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 643272   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 994548   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 850387   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 318202   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 434703   | 50.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.90% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 382199   | 48.45 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.90%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 1360598  | 46.98 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.96%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 387570   | 39.96 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 79.92%  |      |

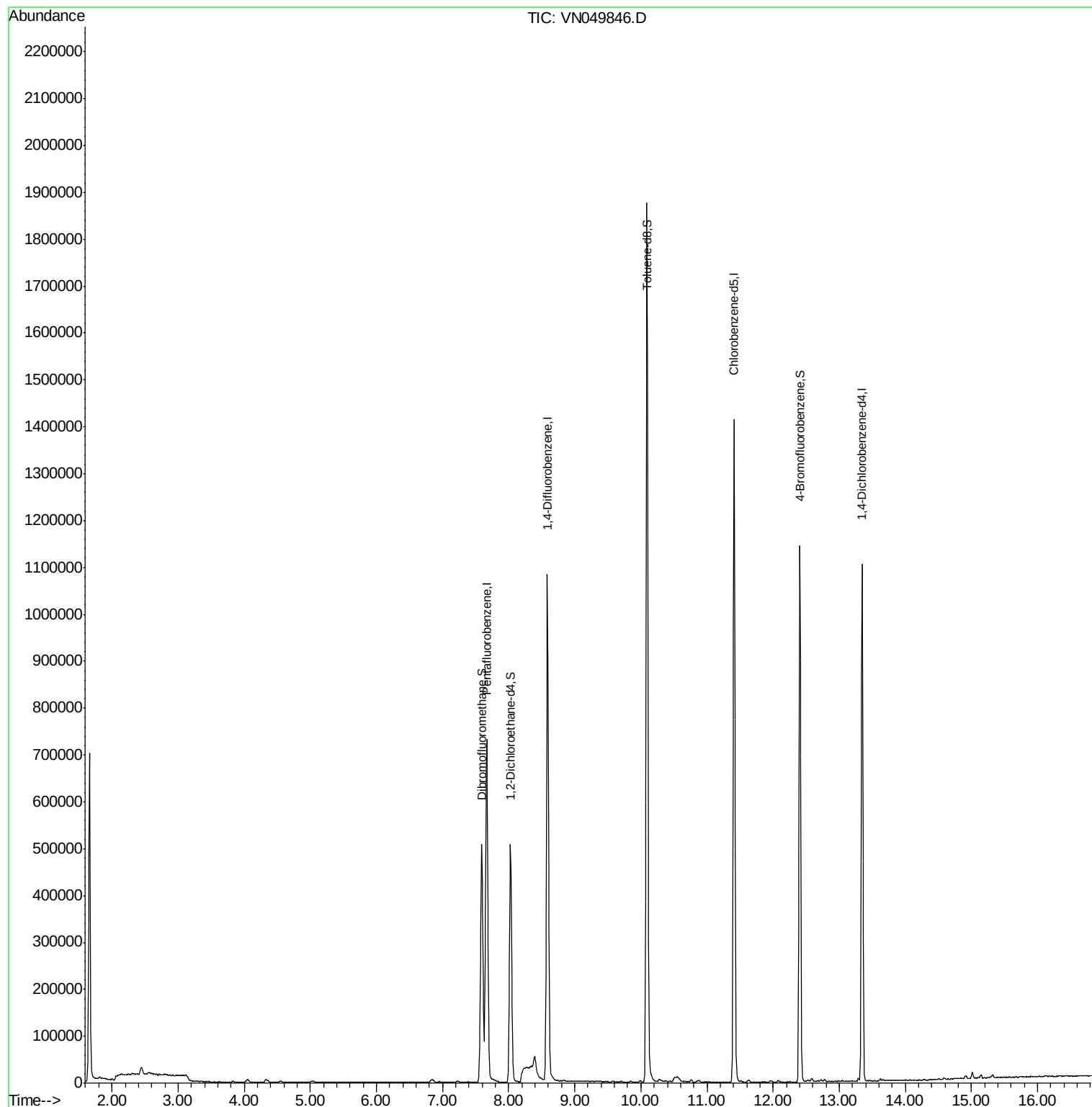
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

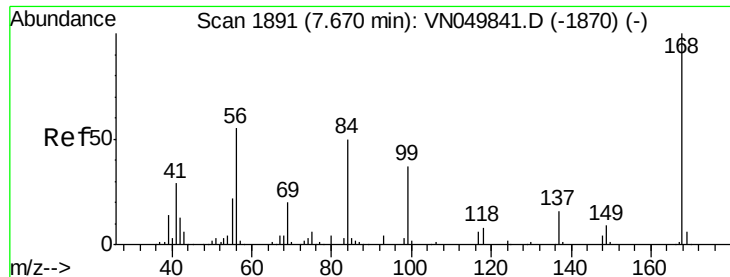
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071718\  
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Quant Time: Jul 17 19:03:15 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N071718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 17 13:20:18 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049846.D

Acq: 17 Jul 2018 15:04

Instrument :

MSVOA\_N

ClientSampleId :

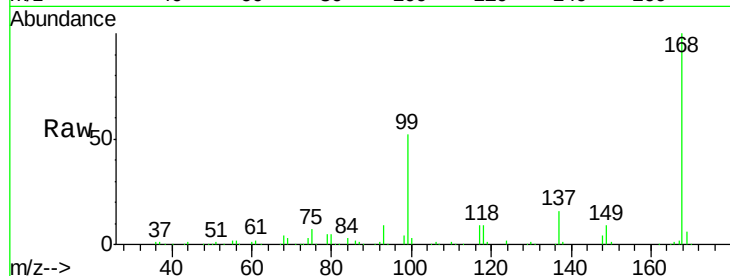
VN0717WBL01

Tot Ion:168 Resp: 643272

Ion Ratio Lower Upper

168 100

99 51.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

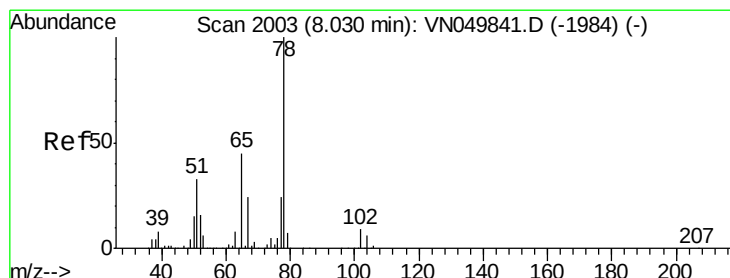
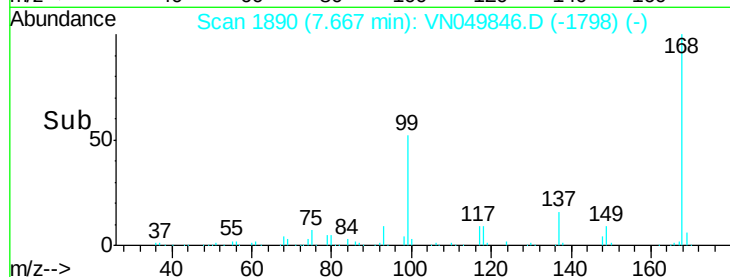
100000

50000

0

Time-->

7.60 7.70 7.80



#33

1,2-Dichloroethane-d4

Concen: 50.45 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049846.D

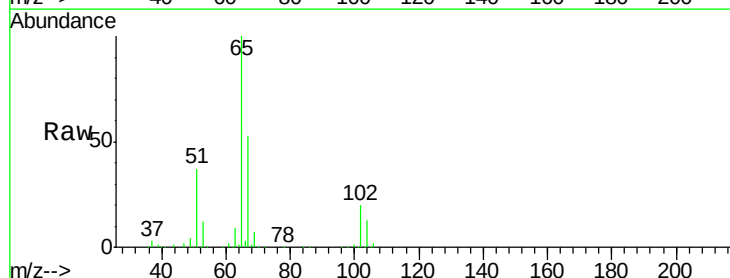
Acq: 17 Jul 2018 15:04

Tgt Ion: 65 Resp: 434703

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

150000

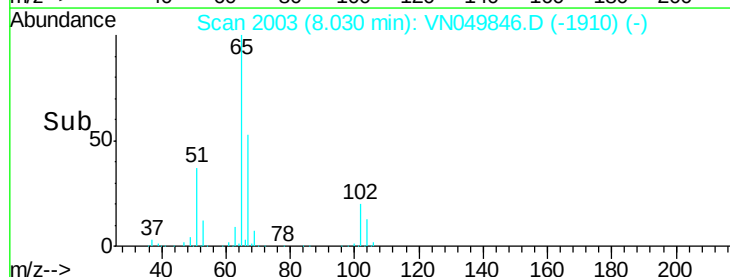
100000

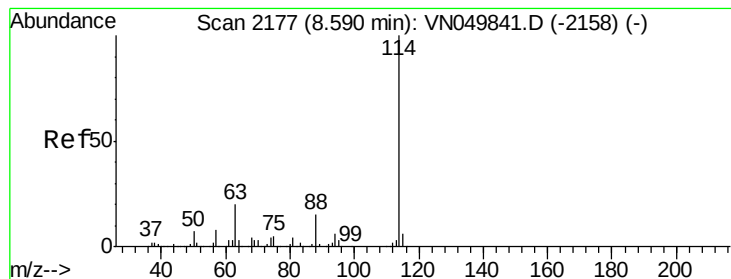
50000

0

Time-->

7.90 8.00 8.10





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049846.D

Acq: 17 Jul 2018 15:04

Instrument :

MSVOA\_N

ClientSampleId :

VN0717WBL01

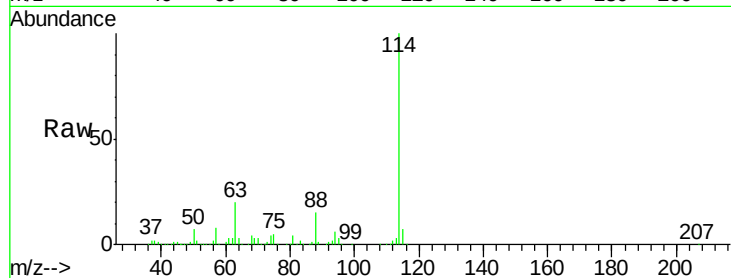
Tot Ion:114 Resp: 994548

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

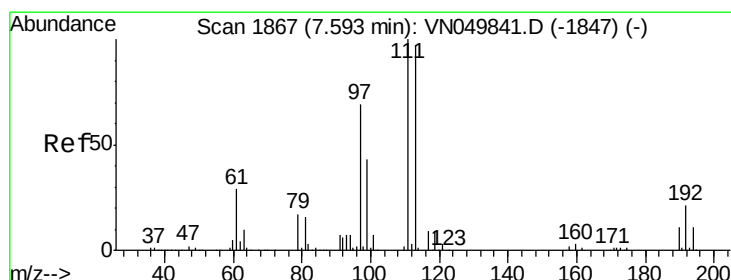
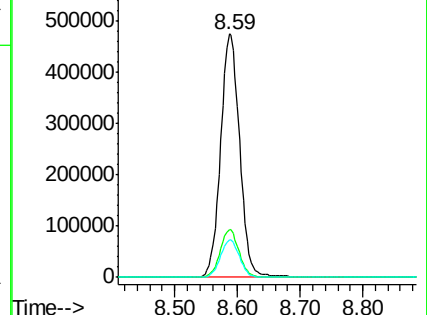
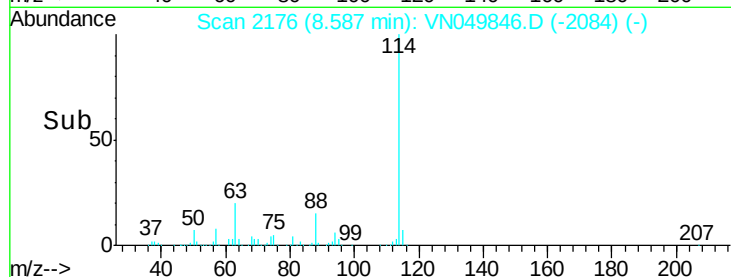
88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.45 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049846.D

Acq: 17 Jul 2018 15:04

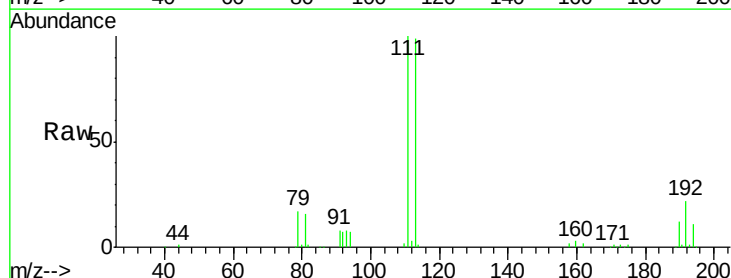
Tgt Ion:113 Resp: 382199

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

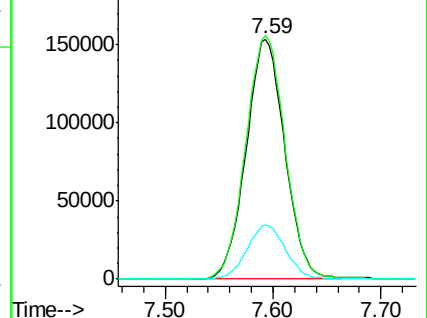
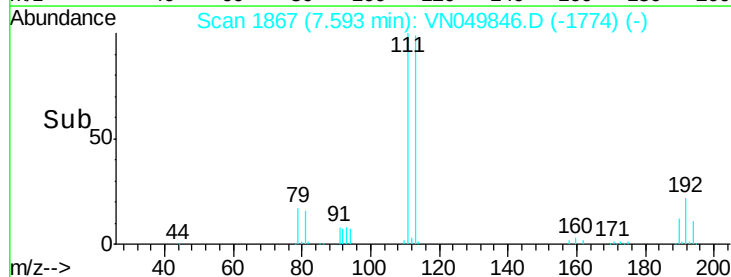
192 22.5 17.8 26.6

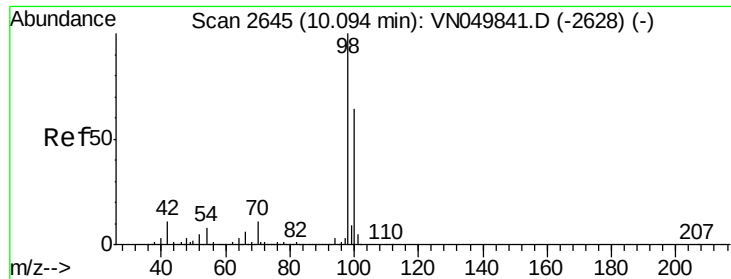


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

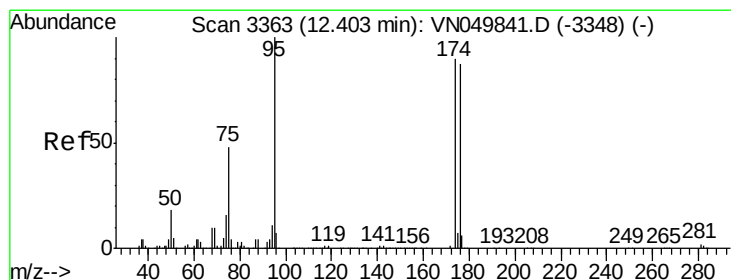
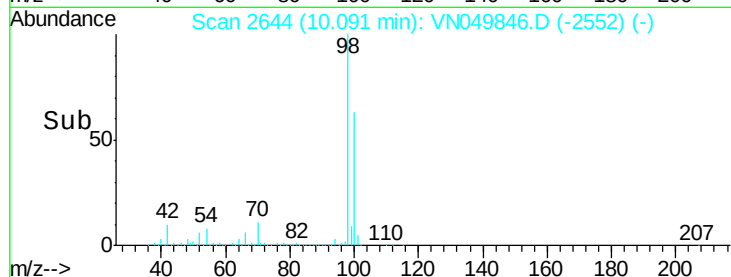
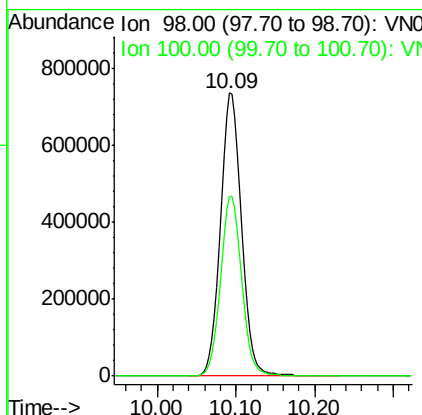
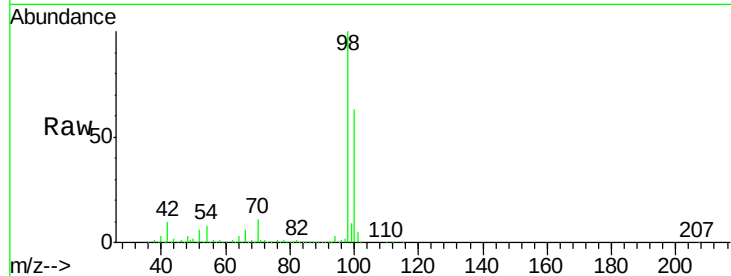




#50  
Toluene-d8  
Concen: 46.98 ug/l  
RT: 10.09 min Scan# 2644  
Delta R.T. -0.00 min  
Lab File: VN049846.D  
Acq: 17 Jul 2018 15:04

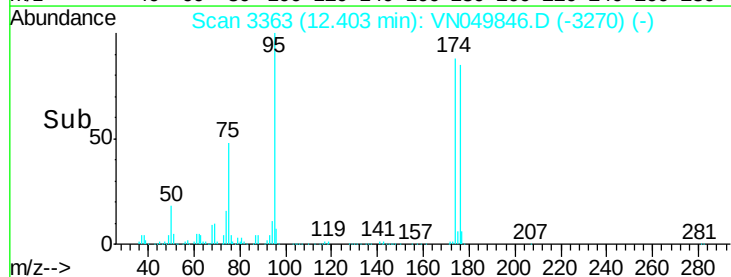
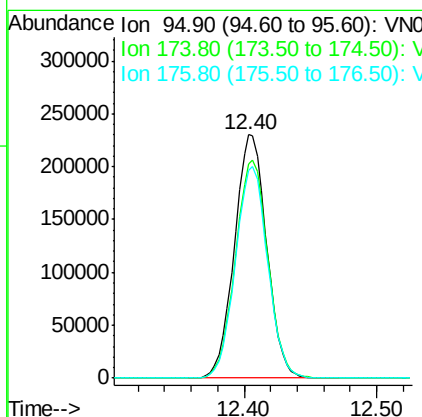
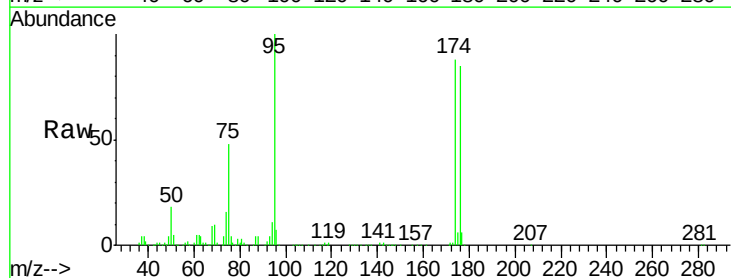
Instrument :  
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VN0717WBL01

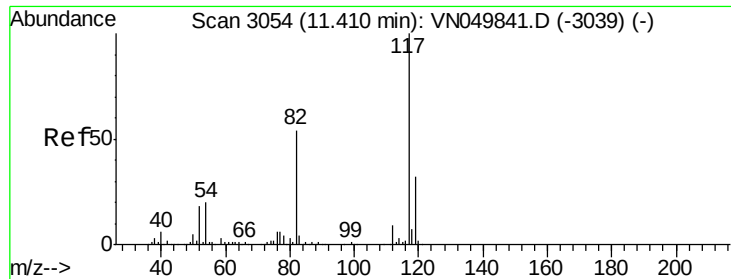
Tot Ion: 98 Resp: 1360598  
Ion Ratio Lower Upper  
98 100  
100 63.6 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 39.96 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049846.D  
Acq: 17 Jul 2018 15:04

Tgt Ion: 95 Resp: 387570  
Ion Ratio Lower Upper  
95 100  
174 90.6 0.0 179.6  
176 87.0 0.0 174.0

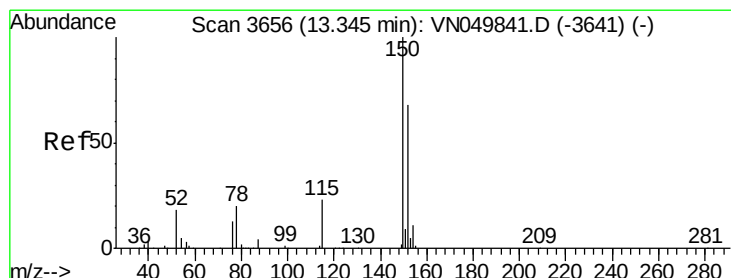
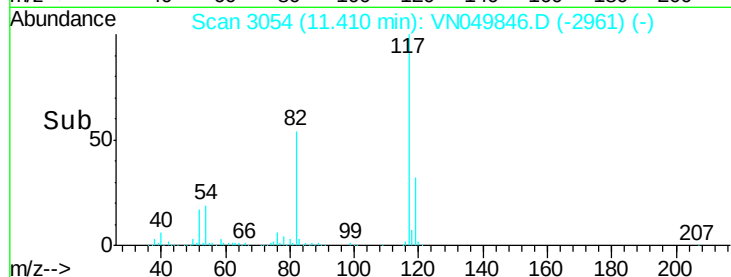
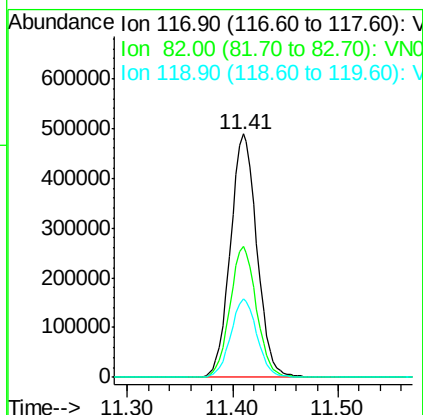
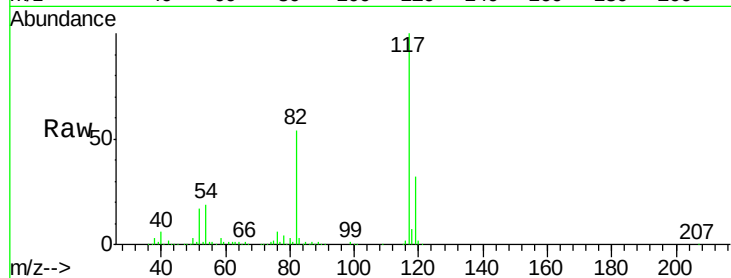




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049846.D  
Acq: 17 Jul 2018 15:04

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0717WBL01

Tot Ion:117 Resp: 850387  
Ion Ratio Lower Upper  
117 100  
82 53.8 41.9 62.9  
119 32.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN049846.D  
Acq: 17 Jul 2018 15:04

Tgt Ion:152 Resp: 318202  
Ion Ratio Lower Upper  
152 100  
115 55.6 28.1 84.2  
150 156.0 0.0 347.6

