

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_N\DATA\VN092318\  
 Data File : VN051412.D  
 Acq On : 23 Sep 2018 14:47  
 Operator : MD\SY  
 Sample : J4777-26  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-04-092018-A

Quant Time: Sep 24 07:31:52 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092318W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 24 06:41:32 2018  
 Response via : Initial Calibration

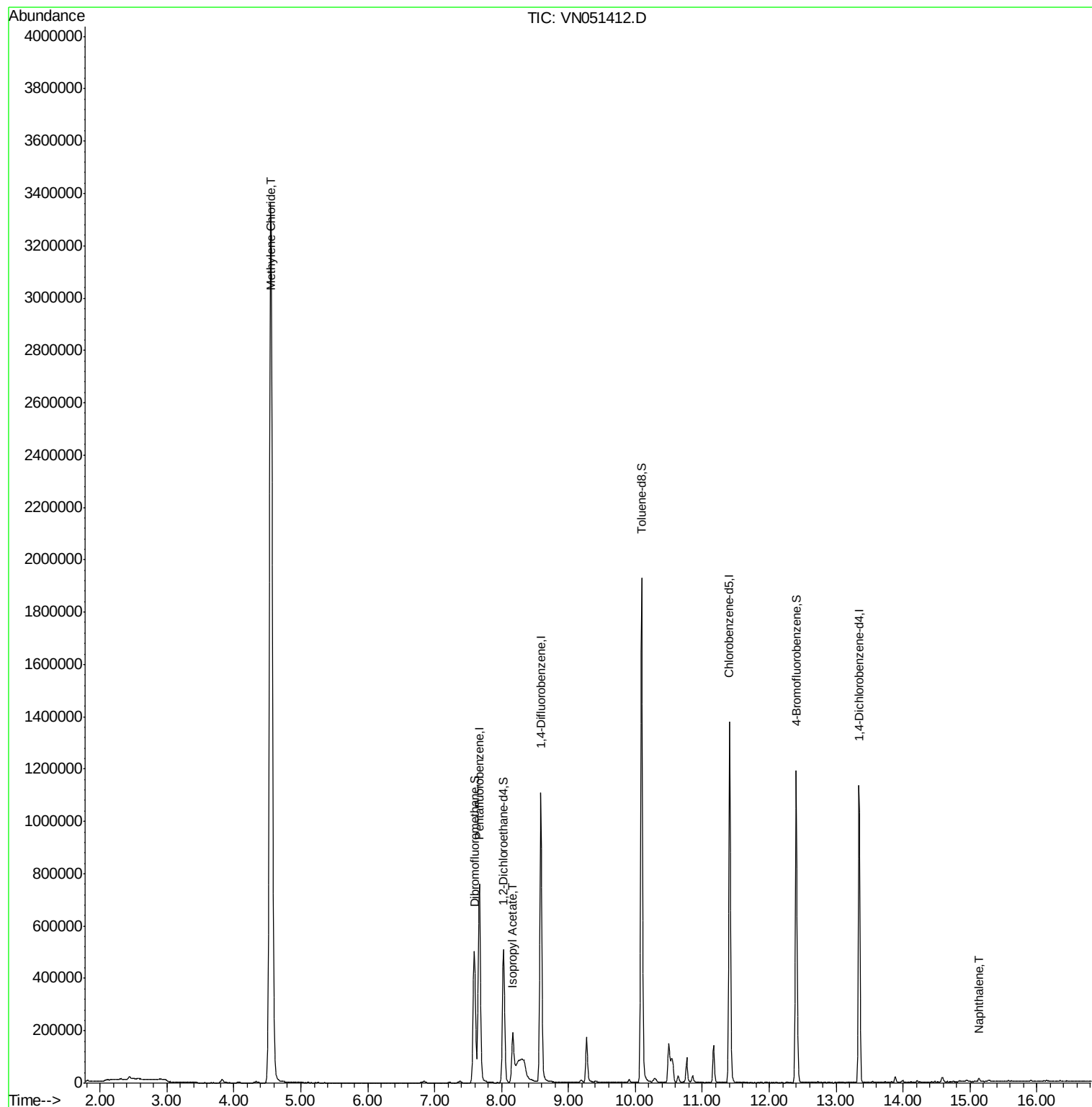
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 667029   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1024490  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 855934   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 319604   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 441714   | 52.86   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 105.72% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 388355   | 47.40   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.80%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1402123  | 45.45   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 90.90%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 393434   | 39.42   | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 78.84%  |          |
| Target Compounds            |       |      |          |         |         |          |
| 20) Methylene Chloride      | 4.55  | 84   | 2558127  | 309.387 | ug/l    | 99       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 241112   | 19.548  | ug/l    | 94       |
| 95) Naphthalene             | 15.13 | 128  | 10916    | 8.815   | ug/l    | 97       |

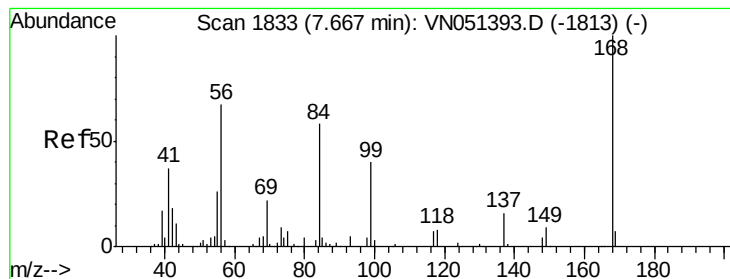
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 24 06:41:32 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051412.D

Acq: 23 Sep 2018 14:47

Instrument :

MSVOA\_N

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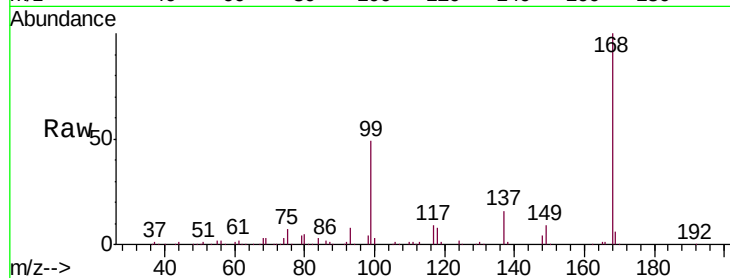
PL-04-092018-A

Tgt Ion:168 Resp: 667029

Ion Ratio Lower Upper

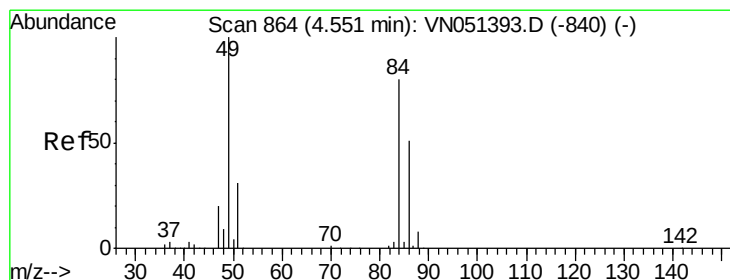
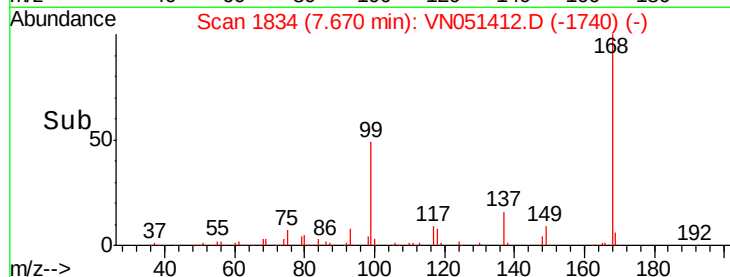
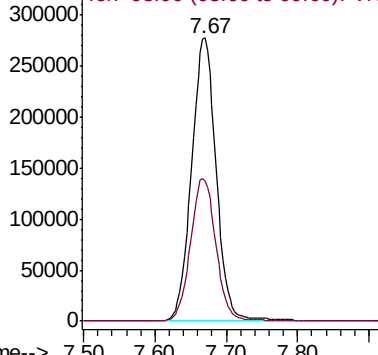
168 100

99 49.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 309.387 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051412.D

Acq: 23 Sep 2018 14:47

Tgt Ion: 84 Resp: 2558127

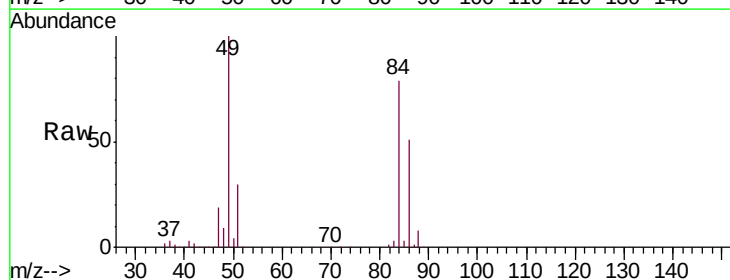
Ion Ratio Lower Upper

84 100

49 126.2 99.9 149.9

51 38.3 31.4 47.2

86 64.3 50.9 76.3

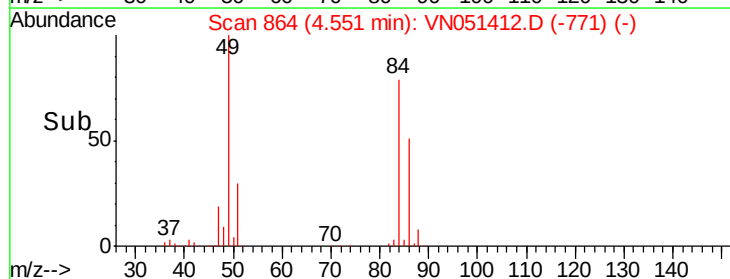
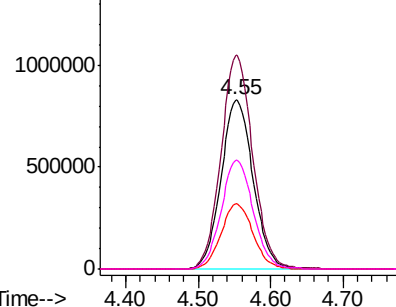


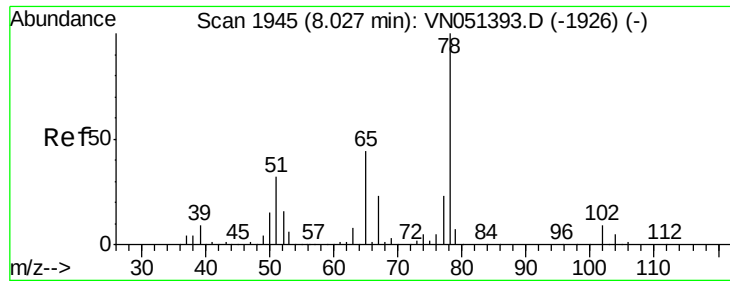
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

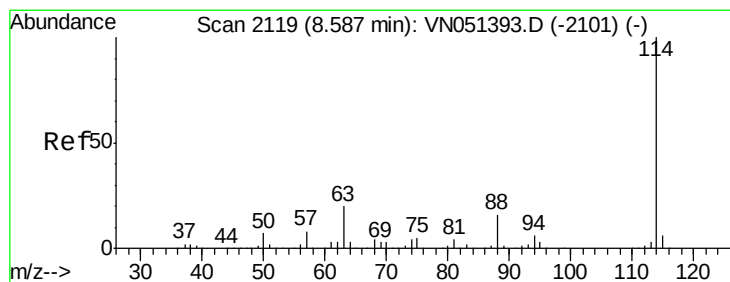
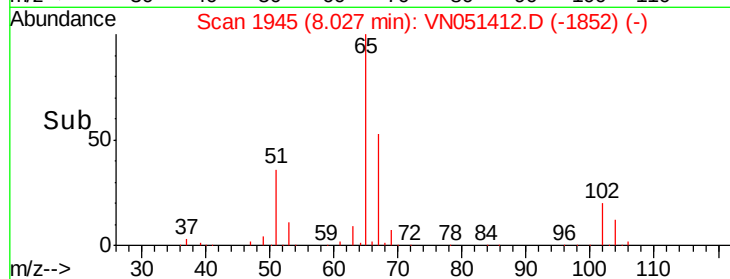
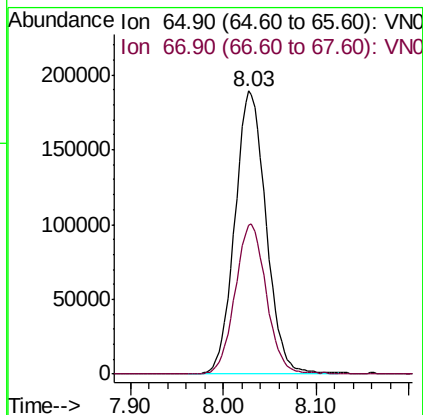
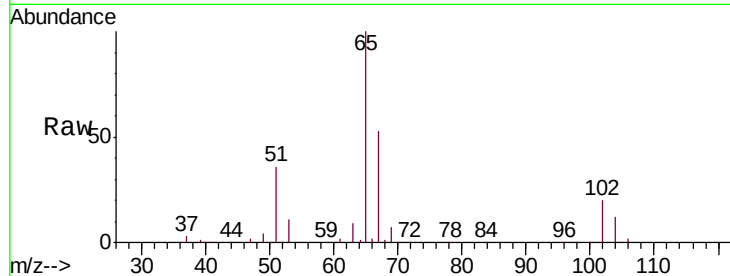




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.863 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051412.D  
 Acq: 23 Sep 2018 14:47

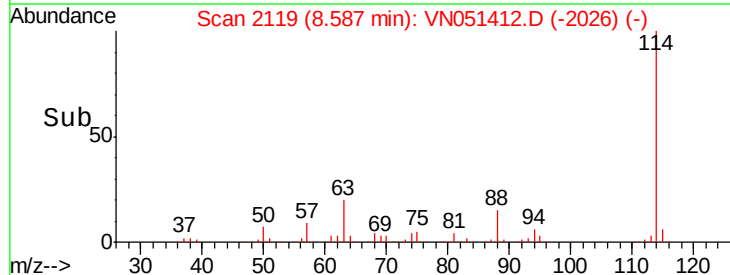
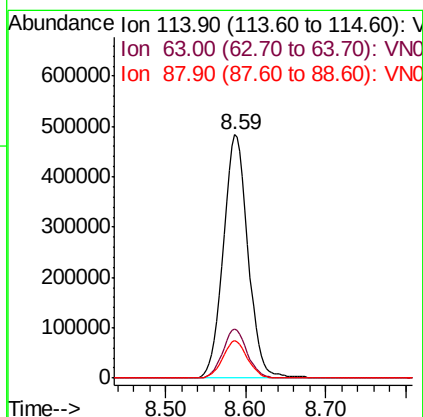
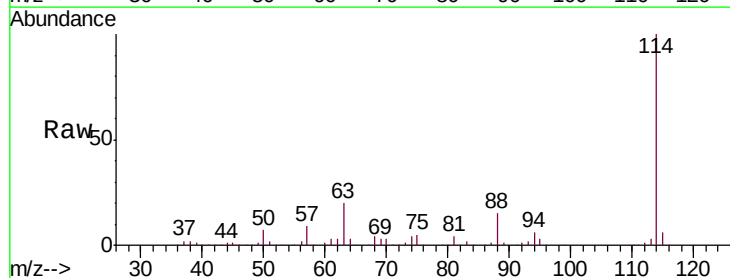
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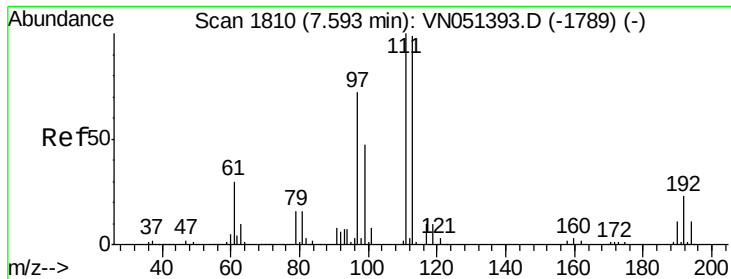
Tgt Ion: 65 Resp: 441714  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051412.D  
 Acq: 23 Sep 2018 14:47

Tgt Ion: 114 Resp: 1024490  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 40.2  
 88 15.5 0.0 31.4

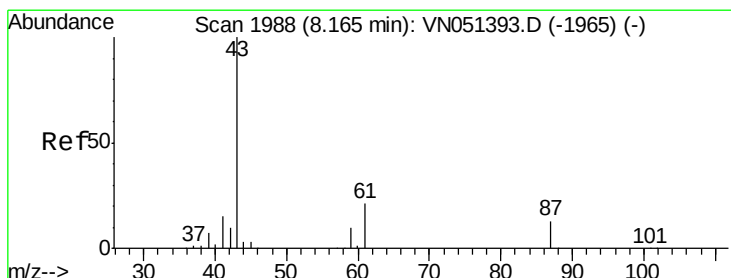
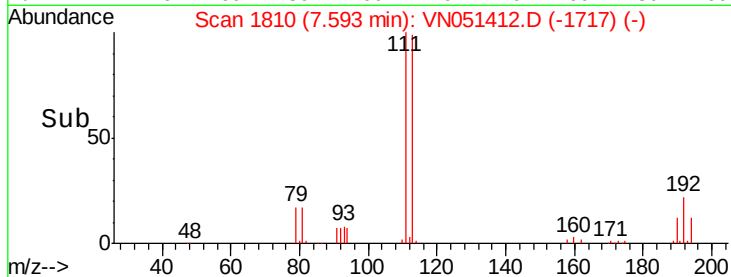
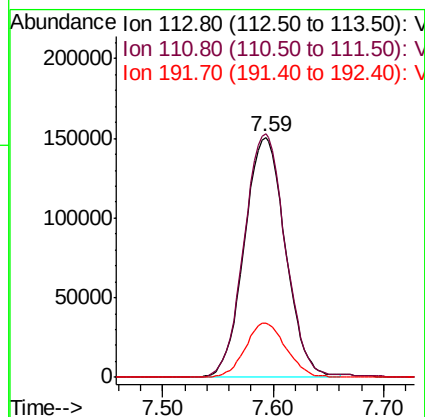
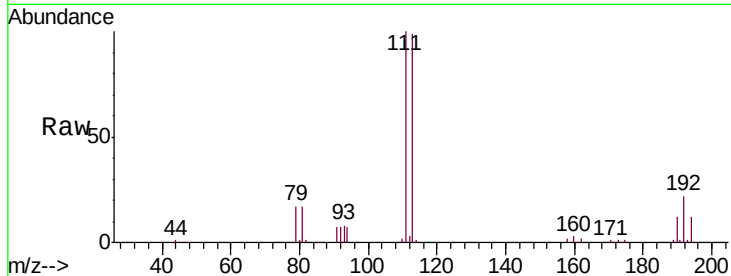




#35  
 Dibromofluoromethane  
 Concen: 47.404 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN051412.D  
 Acq: 23 Sep 2018 14:47

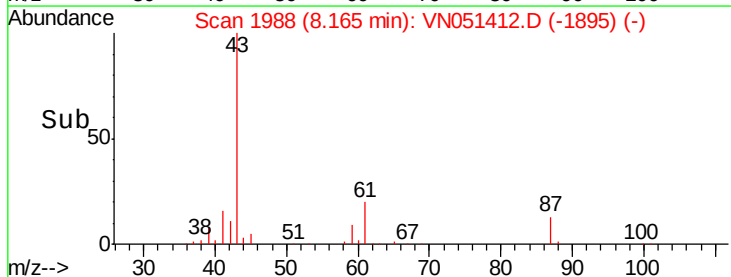
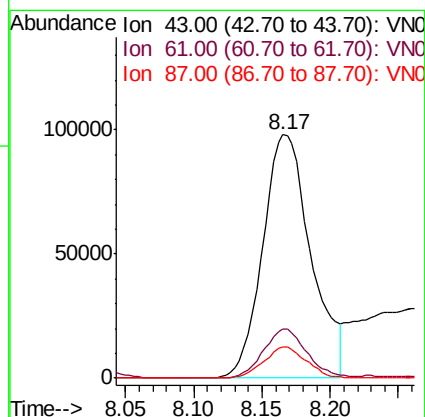
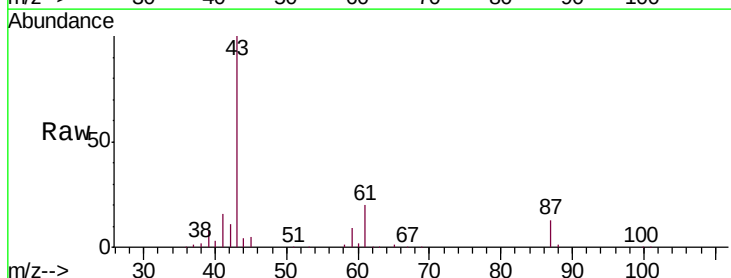
Instrument :  
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 ClientSampleId :  
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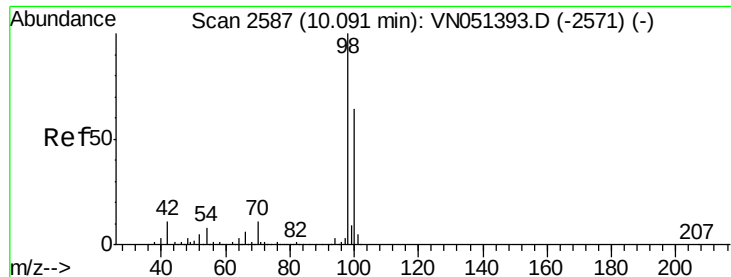
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 82.6  | 123.8 |
| 192     | 22.5  | 18.0  | 27.0  |



#43  
 Isopropyl Acetate  
 Concen: 19.548 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. -0.00 min  
 Lab File: VN051412.D  
 Acq: 23 Sep 2018 14:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 18.2  | 16.8  | 25.2  |
| 87      | 11.4  | 10.7  | 16.1  |

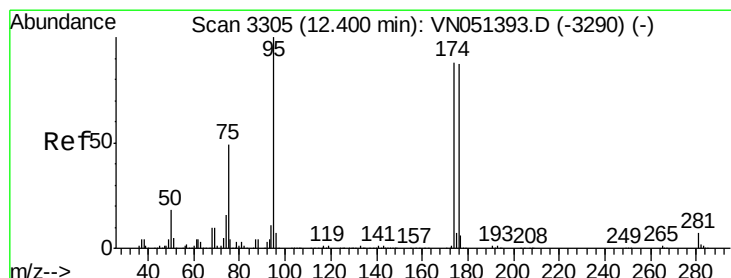
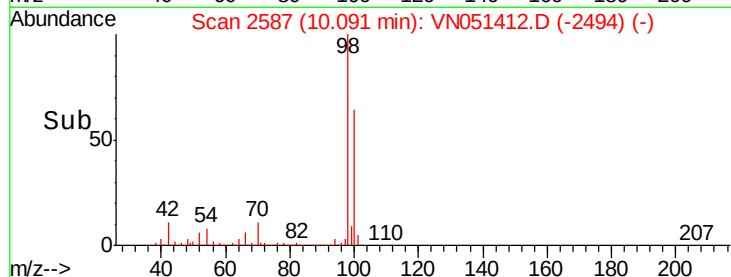
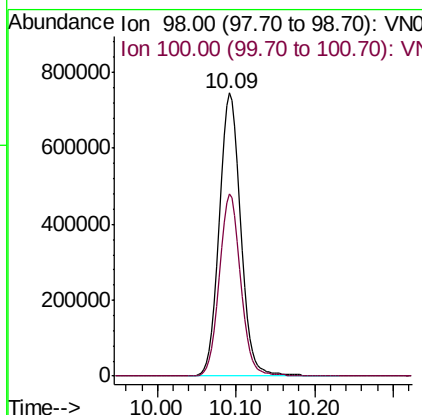
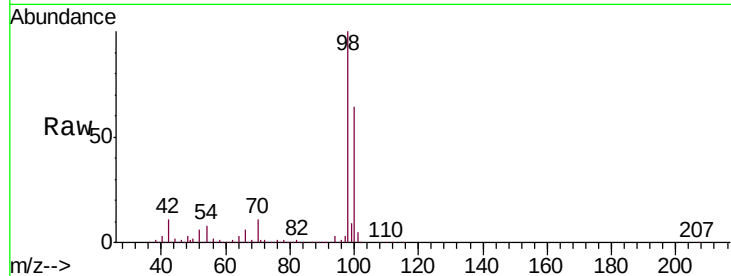




#50  
Toluene-d8  
Concen: 45.450 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN051412.D  
Acq: 23 Sep 2018 14:47

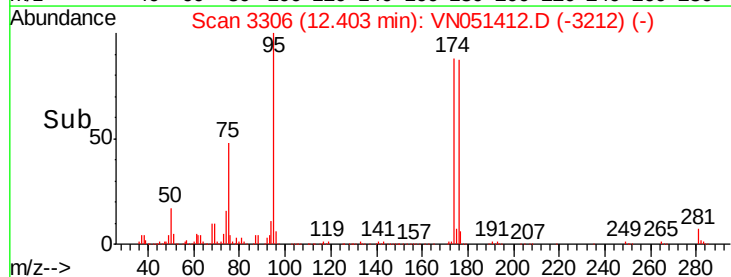
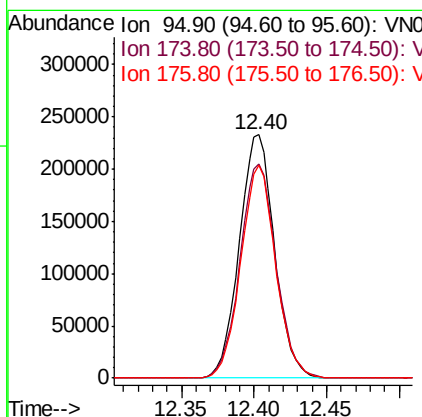
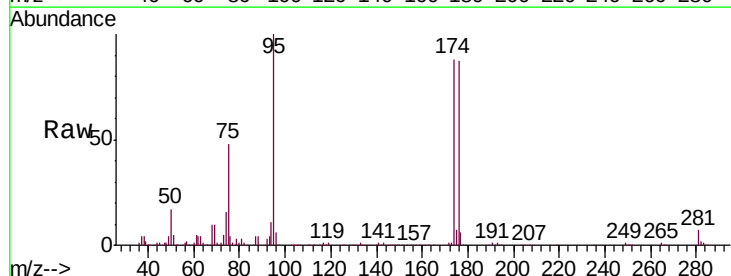
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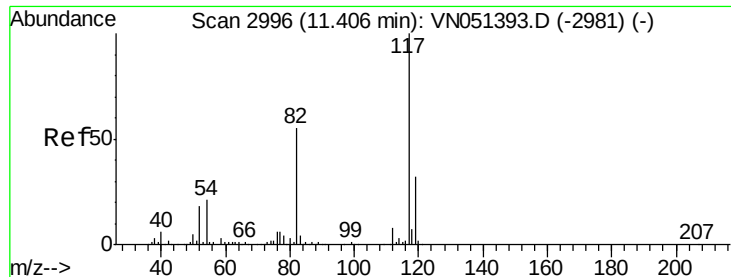
Tgt Ion: 98 Resp: 1402123  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.6 75.8



#62  
4-Bromofluorobenzene  
Concen: 39.423 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051412.D  
Acq: 23 Sep 2018 14:47

Tgt Ion: 95 Resp: 393434  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 181.6  
176 86.6 0.0 176.4

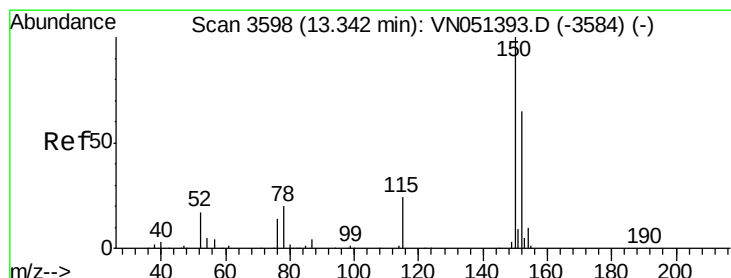
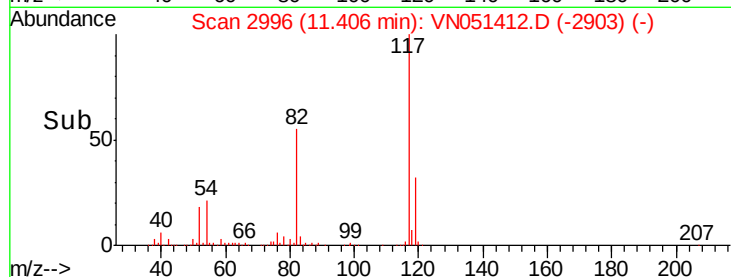
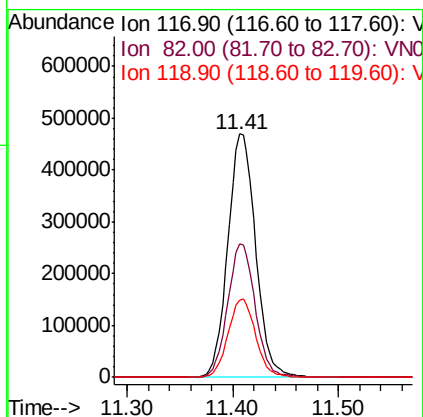
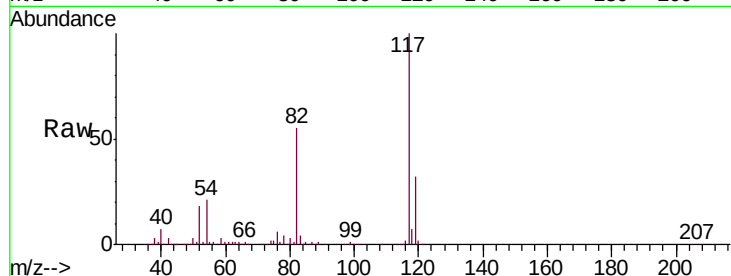




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051412.D  
Acq: 23 Sep 2018 14:47

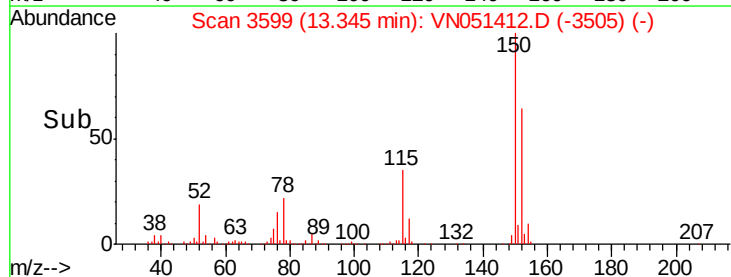
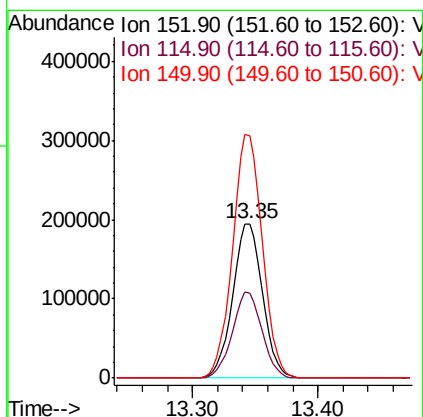
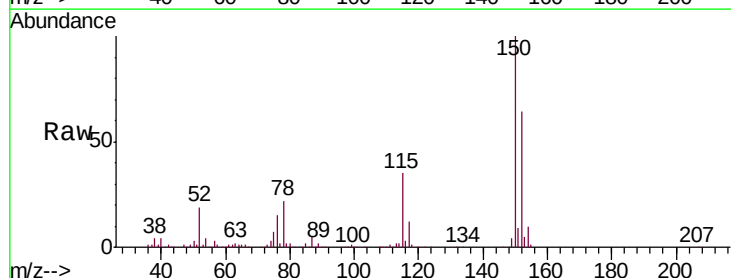
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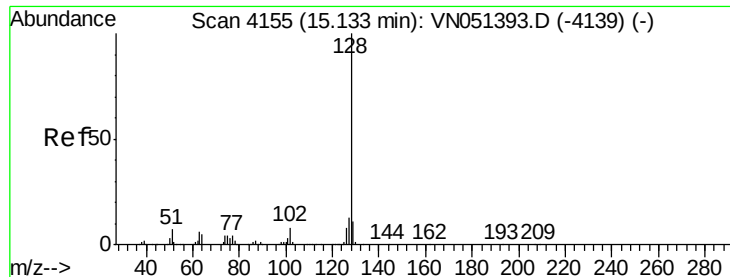
Tgt Ion:117 Resp: 855934  
Ion Ratio Lower Upper  
117 100  
82 54.7 44.2 66.2  
119 32.0 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051412.D  
Acq: 23 Sep 2018 14:47

Tgt Ion:152 Resp: 319604  
Ion Ratio Lower Upper  
152 100  
115 55.8 28.3 84.9  
150 158.3 0.0 353.6





#95

Naphthalene

Concen: 8.815 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051412.D

Acq: 23 Sep 2018 14:47

Instrument :

MSVOA\_N

ClientSampleId :

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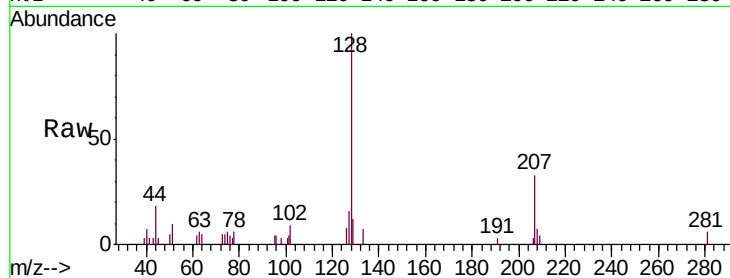
Tgt Ion:128 Resp: 10916

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

