

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110918\  
 Data File : VN052243.D  
 Acq On : 9 Nov 2018 22:29  
 Operator : MD\SY  
 Sample : J5895-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-3

Quant Time: Nov 12 04:08:23 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N110918W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Nov 12 00:34:27 2018  
 Response via : Initial Calibration

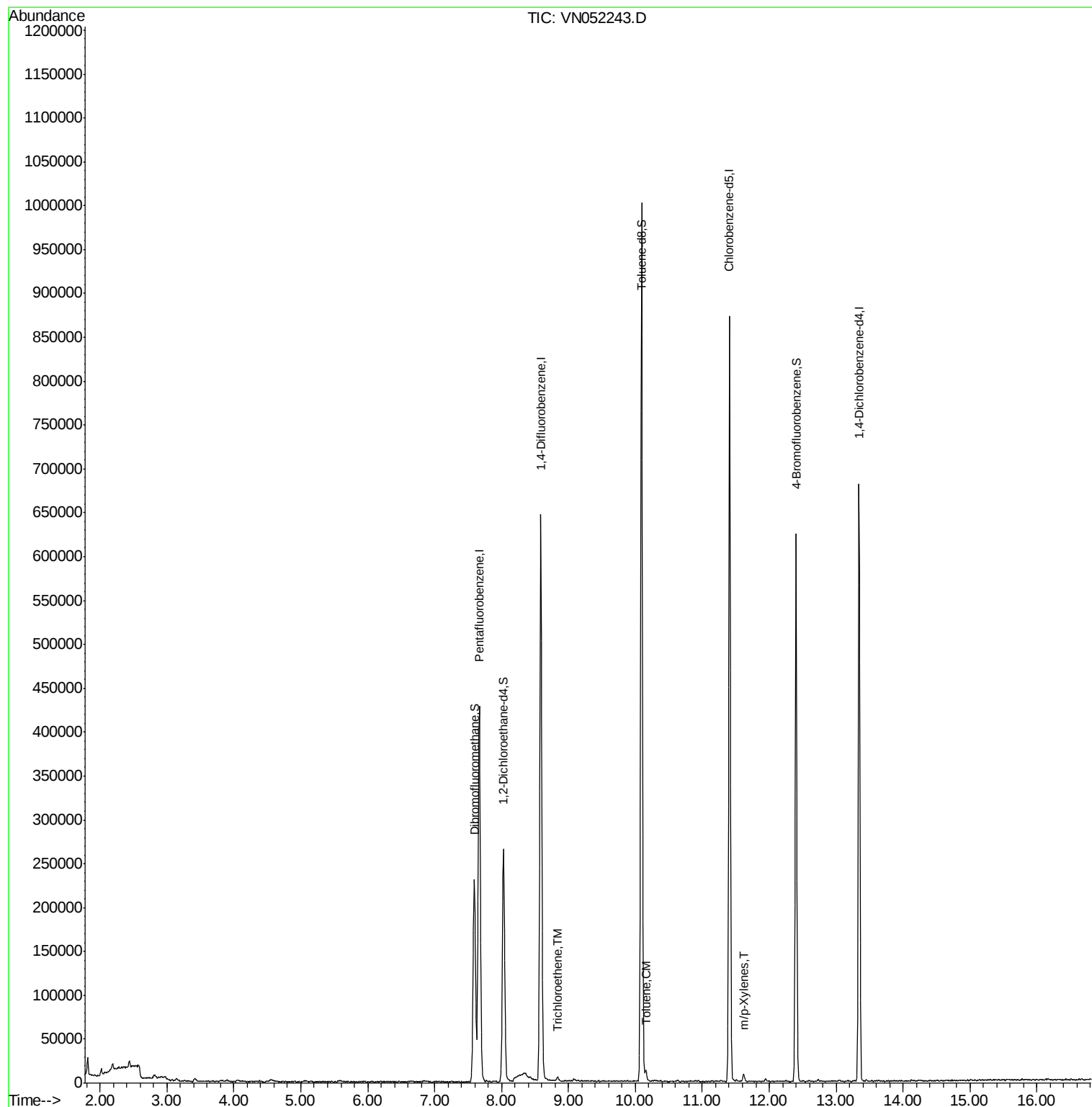
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 326648   | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 553906   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 466997   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 166273   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 215336   | 48.20 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.40% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 172535   | 48.09 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.18% |          |
| 50) Toluene-d8              | 10.09 | 98   | 680492   | 48.46 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.92% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 200321   | 44.11 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.22% |          |
| Target Compounds            |       |      |          |       |        |          |
| 44) Trichloroethene         | 8.83  | 130  | 1605     | 0.400 | ug/l   | 90       |
| 52) Toluene                 | 10.15 | 92   | 4354     | 0.451 | ug/l   | 90       |
| 68) m/p-Xylenes             | 11.62 | 106  | 2449     | 0.378 | ug/l   | 94       |

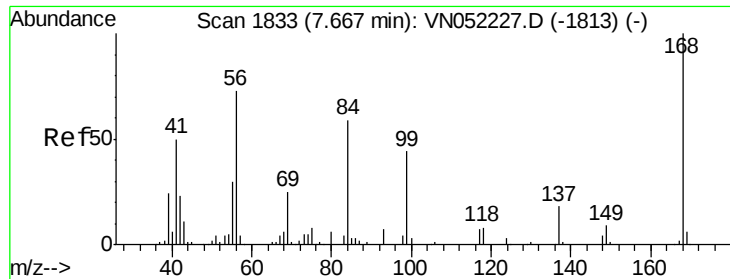
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110918\  
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Instrument :  
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Quant Time: Nov 12 04:08:23 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N110918W.M  
Quant Title : SW846 8260  
QLast Update : Mon Nov 12 00:34:27 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA\_N

ClientSampleId :

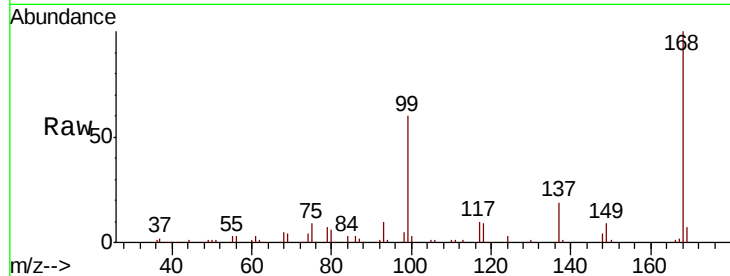
SB-3

Tot Ion:168 Resp: 326648

Ion Ratio Lower Upper

168 100

99 60.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

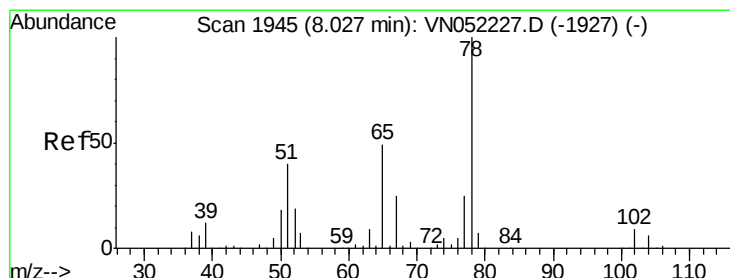
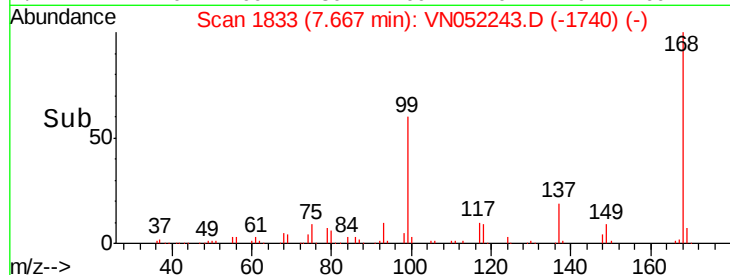
100000

50000

0

7.60 7.70 7.80

Time-->



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052243.D

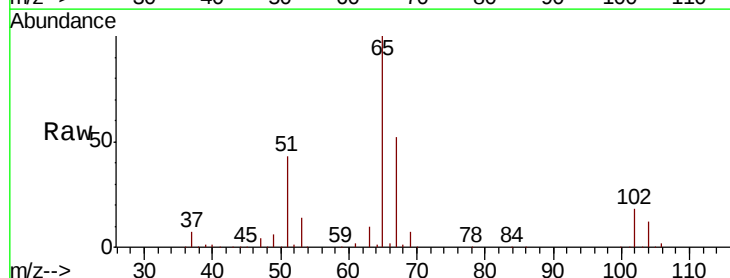
Acq: 9 Nov 2018 22:29

Tgt Ion: 65 Resp: 215336

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

100000

80000

60000

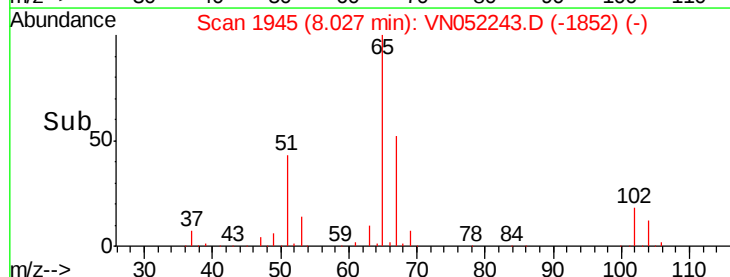
40000

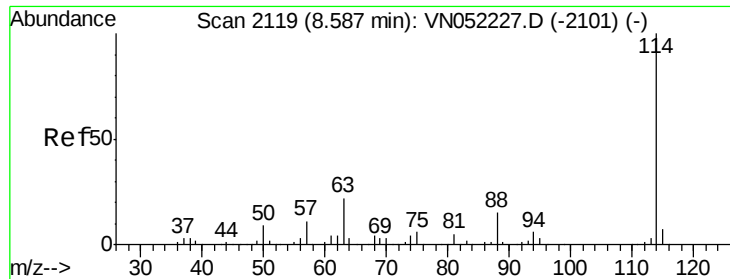
20000

0

7.90 8.00 8.10

Time-->

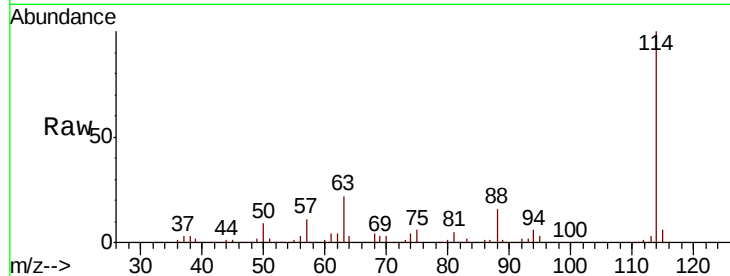




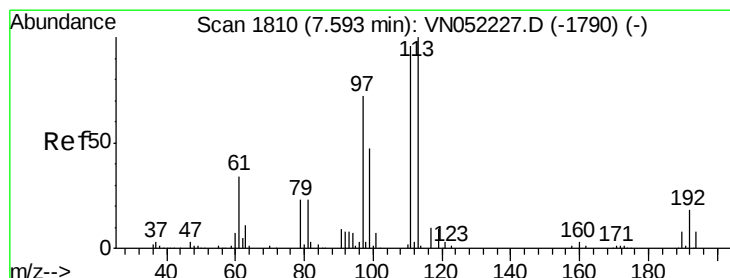
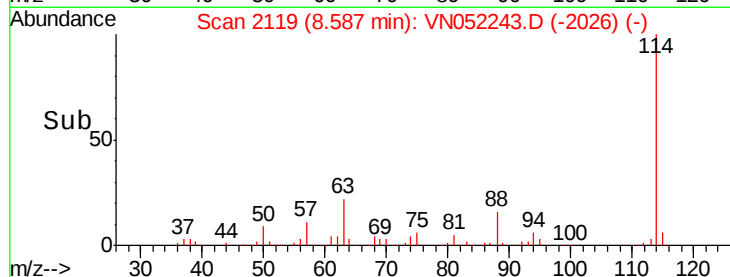
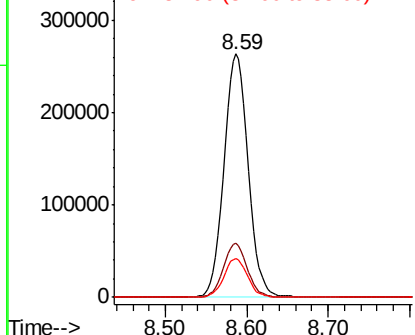
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN052243.D  
 Acq: 9 Nov 2018 22:29

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB-3

Tot Ion:114 Resp: 553906  
 Ion Ratio Lower Upper  
 114 100  
 63 22.2 0.0 43.4  
 88 15.7 0.0 30.2

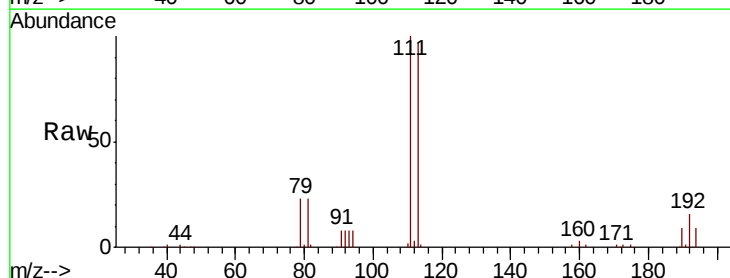


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN

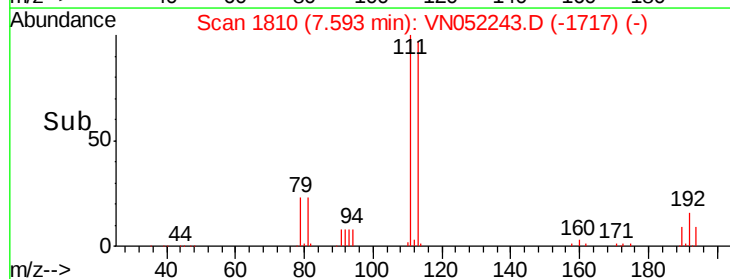
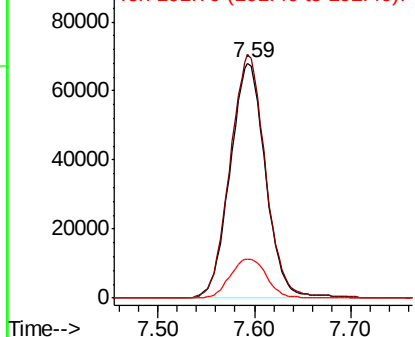


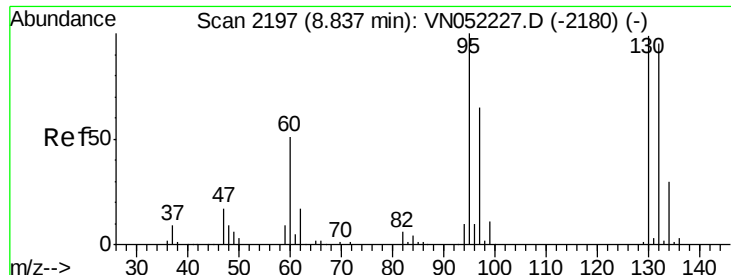
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052243.D  
 Acq: 9 Nov 2018 22:29

Tgt Ion:113 Resp: 172535  
 Ion Ratio Lower Upper  
 113 100  
 111 103.7 80.2 120.4  
 192 17.1 14.1 21.1



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





#44

Trichloroethene

Concen: 0.400 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA\_N

ClientSampled :

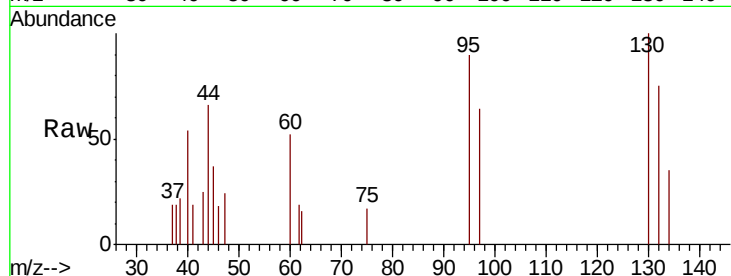
SB-3

Tot Ion:130 Resp: 1605

Ion Ratio Lower Upper

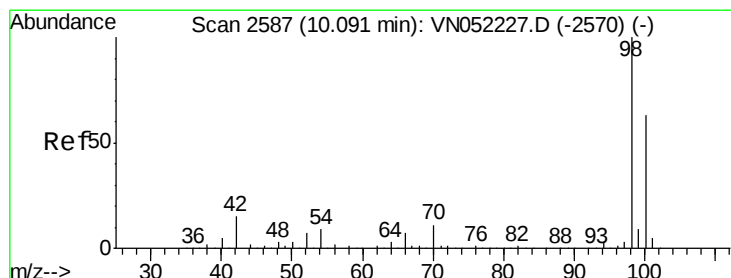
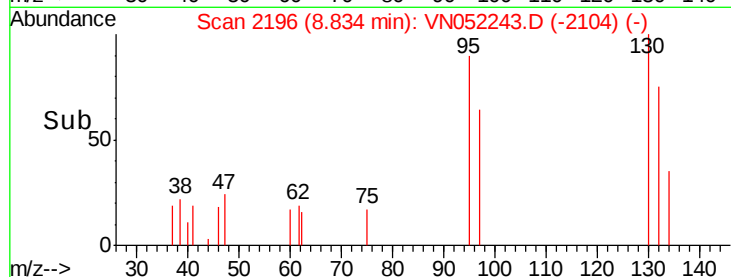
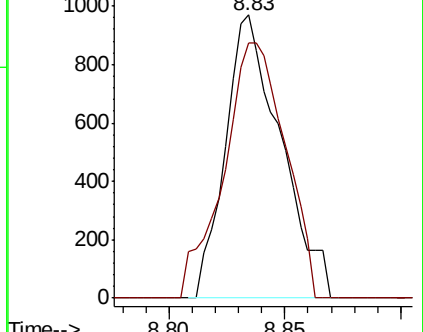
130 100

95 90.3 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052243.D

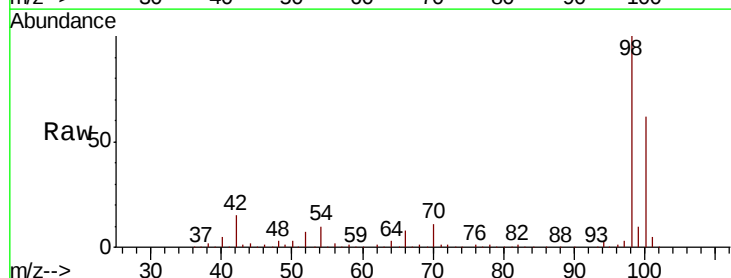
Acq: 9 Nov 2018 22:29

Tgt Ion: 98 Resp: 680492

Ion Ratio Lower Upper

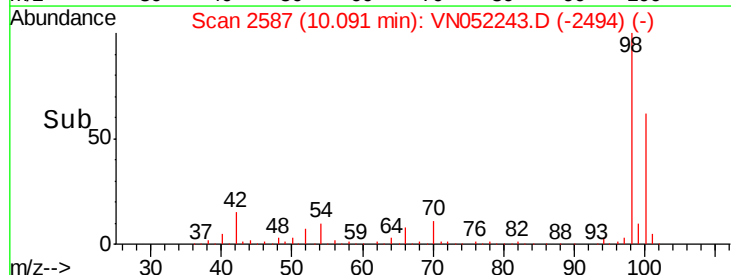
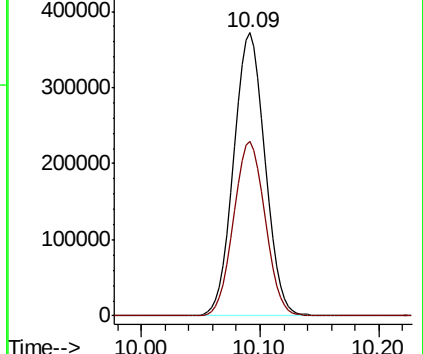
98 100

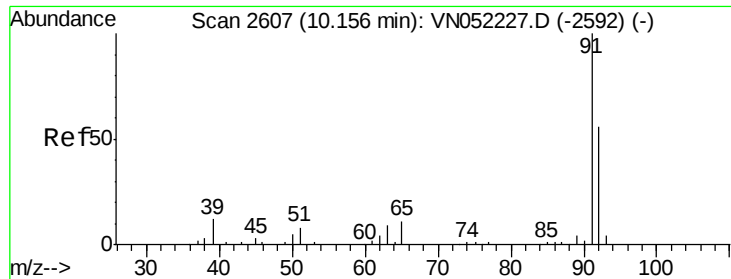
100 62.1 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#52

Toluene

Concen: 0.451 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA\_N

ClientSampleId :

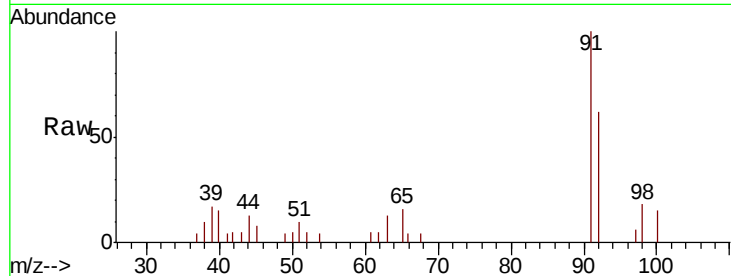
SB-3

Tot Ion: 92 Resp: 4354

Ion Ratio Lower Upper

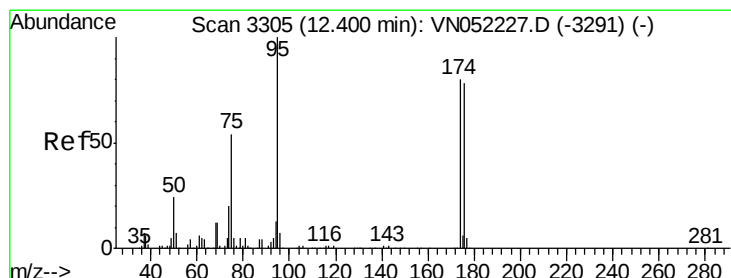
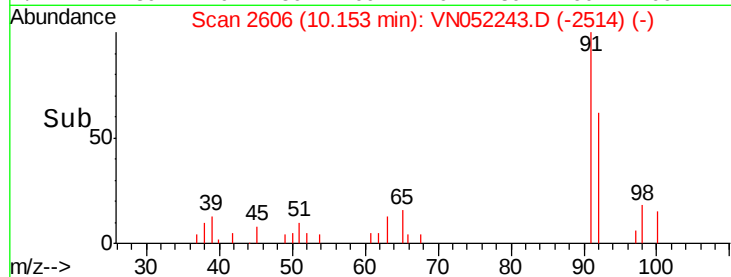
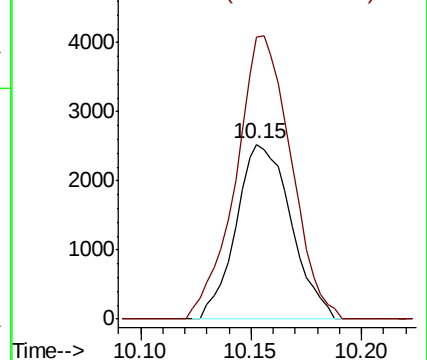
92 100

91 163.6 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

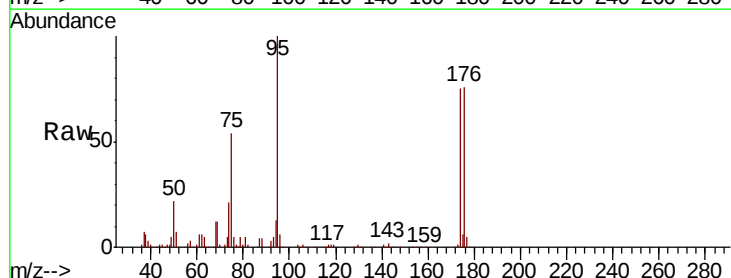
Tgt Ion: 95 Resp: 200321

Ion Ratio Lower Upper

95 100

174 77.2 0.0 159.4

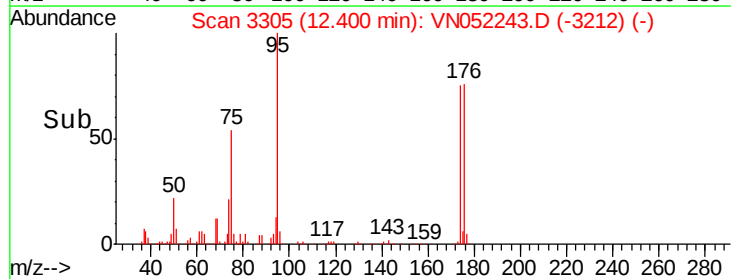
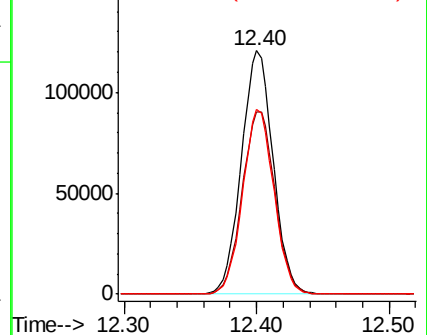
176 74.9 0.0 157.8

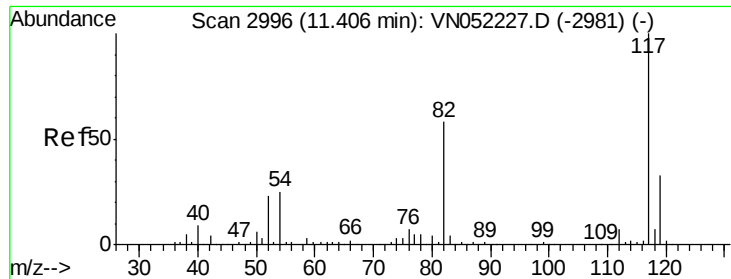


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

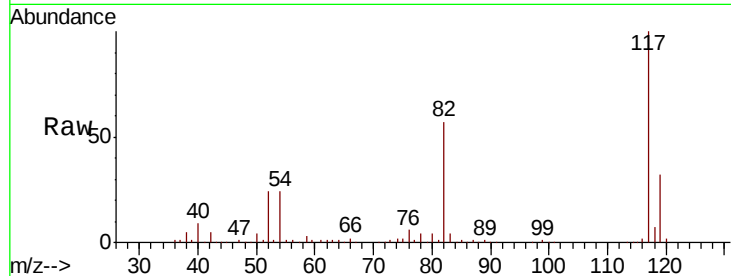




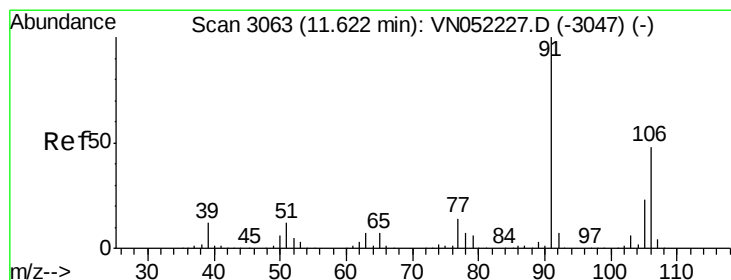
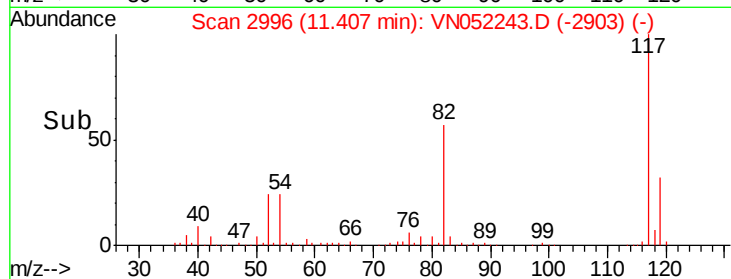
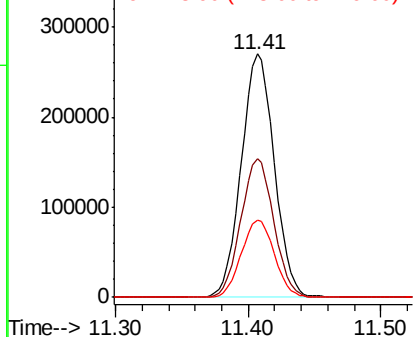
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN052243.D  
Acq: 9 Nov 2018 22:29

Instrument :  
MSVOA\_N  
ClientSampled :  
SB-3

Tot Ion:117 Resp: 466997  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.2 69.2  
119 31.9 26.2 39.4

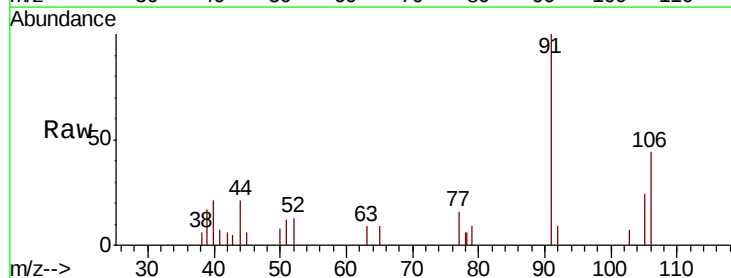


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN  
Ion 118.90 (118.60 to 119.60): V

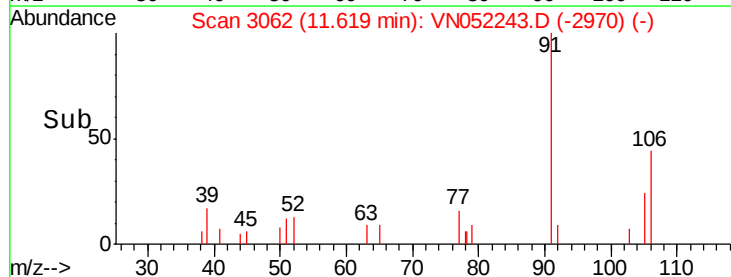
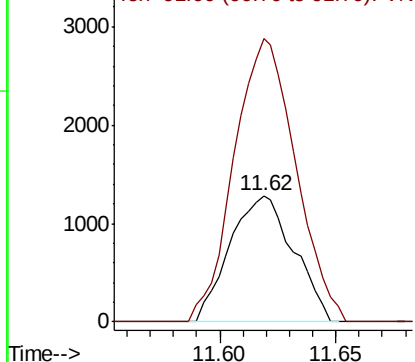


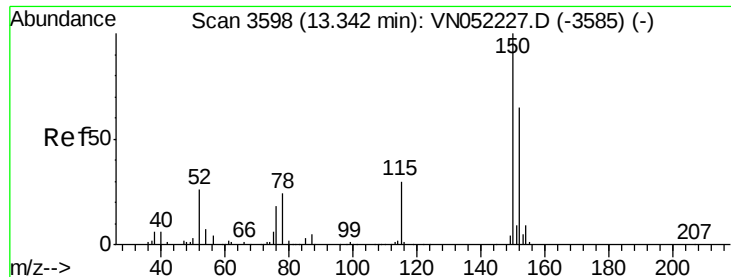
#68  
m/p-Xylenes  
Concen: 0.378 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. -0.00 min  
Lab File: VN052243.D  
Acq: 9 Nov 2018 22:29

Tgt Ion:106 Resp: 2449  
Ion Ratio Lower Upper  
106 100  
91 216.7 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052243.D

Acq: 9 Nov 2018 22:29

Instrument :

MSVOA\_N

ClientSampleId :

SB-3

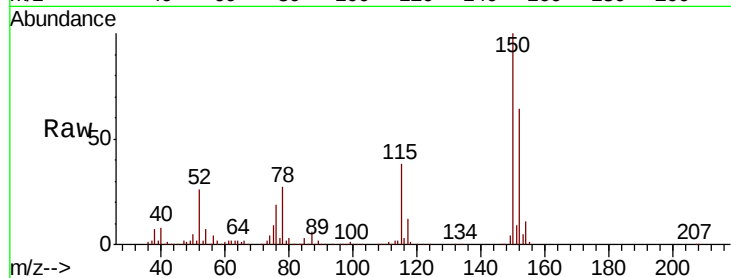
Tot Ion:152 Resp: 166273

Ion Ratio Lower Upper

152 100

115 59.8 29.8 89.5

150 157.8 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

