

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\  
 Data File : VN052131.D  
 Acq On : 2 Nov 2018 16:10  
 Operator : MD\SY  
 Sample : J5741-06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

Quant Time: Nov 02 23:37:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N103018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 31 02:45:22 2018  
 Response via : Initial Calibration

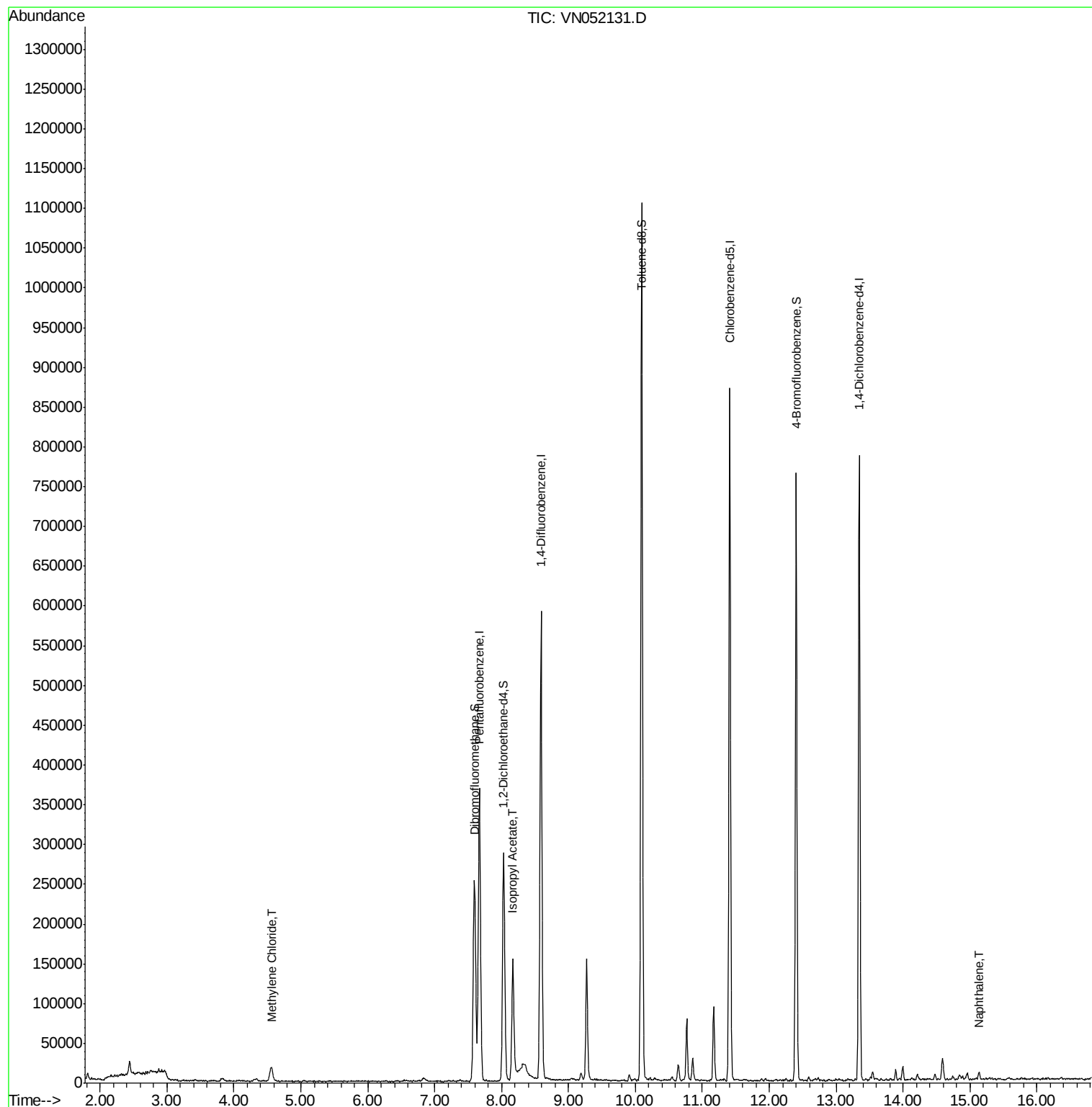
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 271730   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 507957   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 485882   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 189598   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 238776   | 54.76  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.52% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 190312   | 59.89  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 119.78% |          |
| 50) Toluene-d8              | 10.09 | 98   | 765114   | 60.24  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 120.48% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 256033   | 54.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.82% |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 4.56  | 84   | 12266    | 3.459  | ug/l #  | 79       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 183211   | 29.797 | ug/l    | 98       |
| 95) Naphthalene             | 15.14 | 128  | 6797     | 1.251  | ug/l #  | 93       |

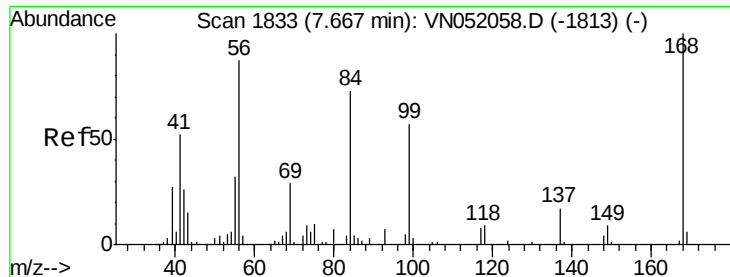
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 31 02:45:22 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: VN052131.D

Acq: 2 Nov 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

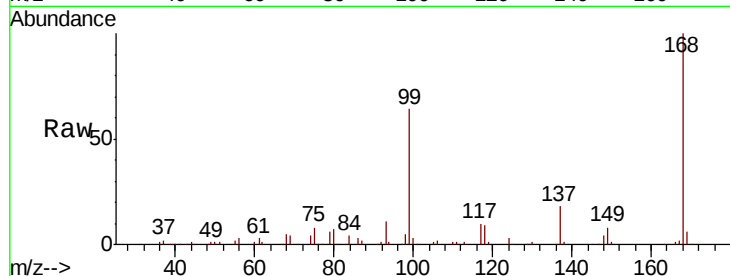
TP-1

Tot Ion:168 Resp: 271730

Ion Ratio Lower Upper

168 100

99 64.1 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

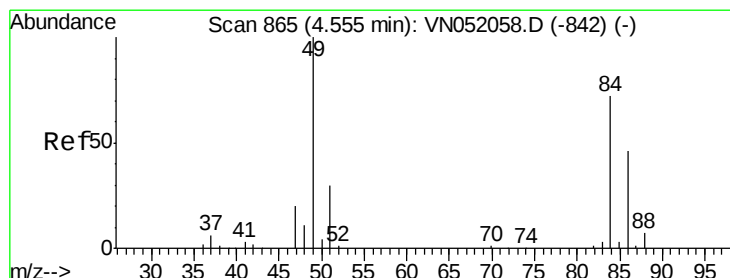
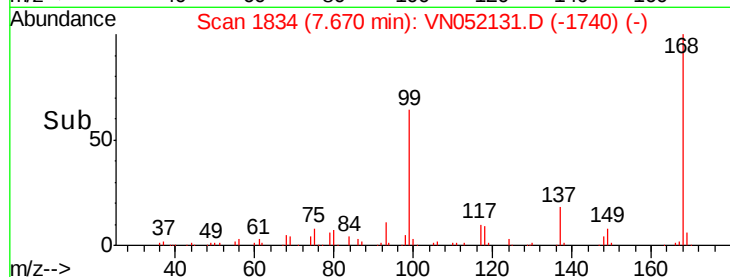
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#20

Methylene Chloride

Concen: 3.459 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052131.D

Acq: 2 Nov 2018 16:10

Tgt Ion: 84 Resp: 12266

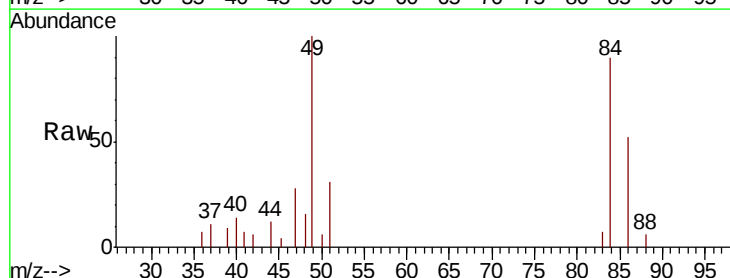
Ion Ratio Lower Upper

84 100

49 106.1 110.6 165.8#

51 27.2 33.7 50.5#

86 58.5 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

8000

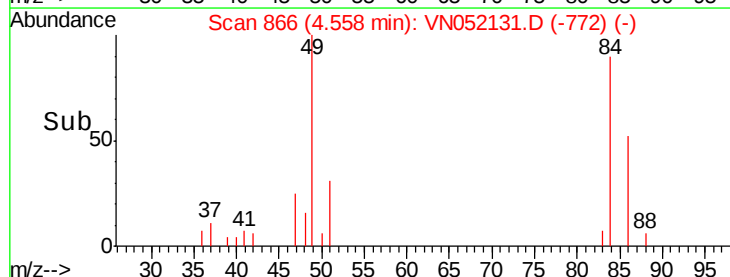
6000

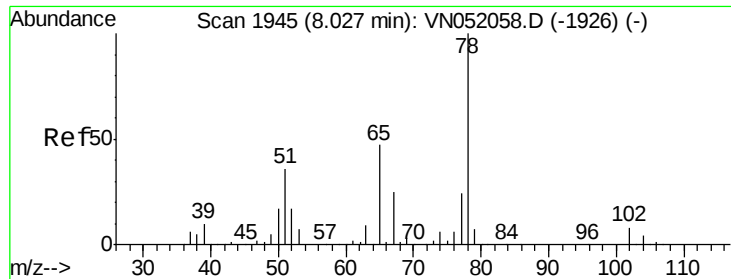
4000

2000

0

Time--> 4.50 4.55 4.60 4.65

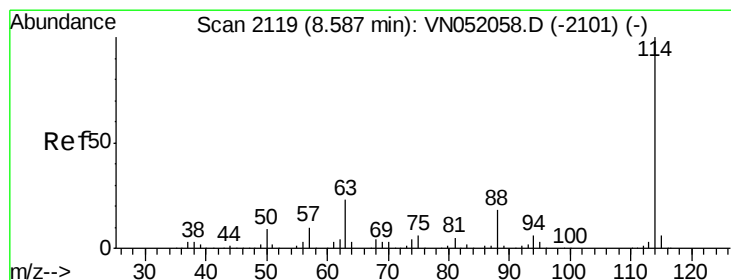
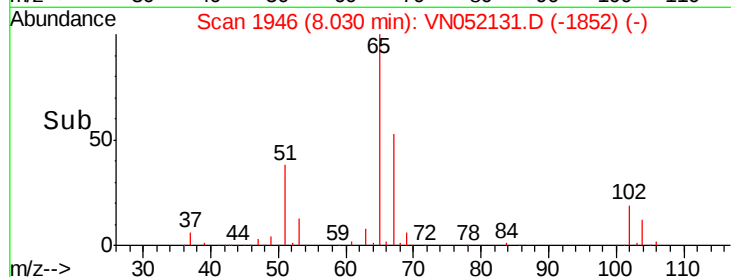
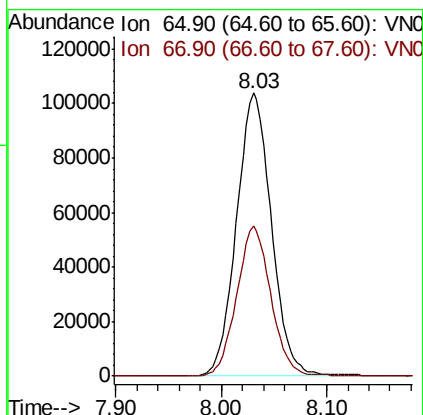
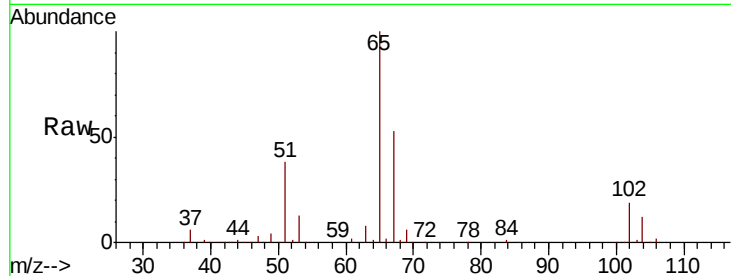




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN052131.D  
 Acq: 2 Nov 2018 16:10

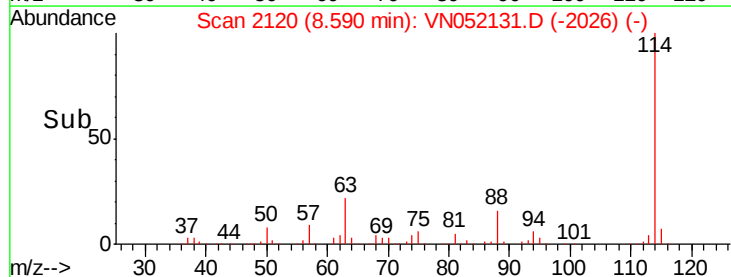
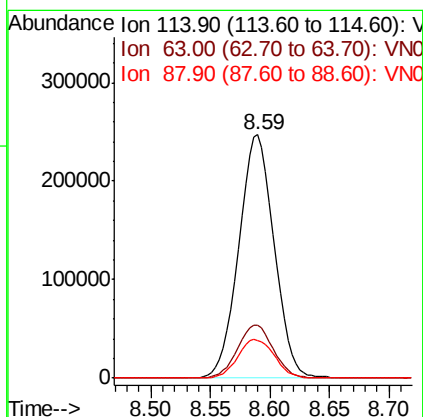
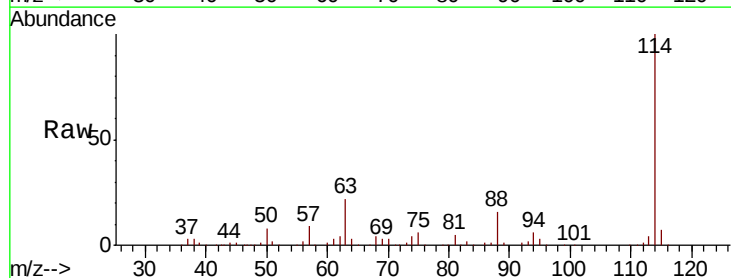
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-1

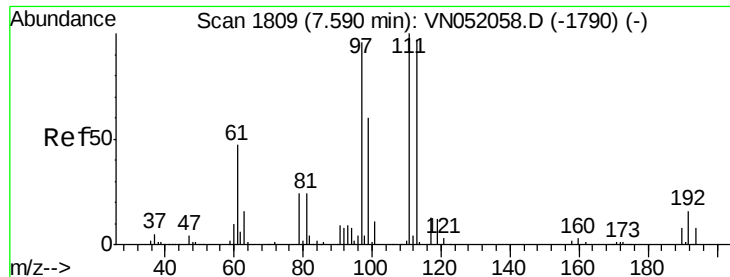
Tot Ion: 65 Resp: 238776  
 Ion Ratio Lower Upper  
 65 100  
 67 51.5 0.0 105.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2120  
 Delta R.T. 0.00 min  
 Lab File: VN052131.D  
 Acq: 2 Nov 2018 16:10

Tgt Ion: 114 Resp: 507957  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 46.0  
 88 15.6 0.0 35.4

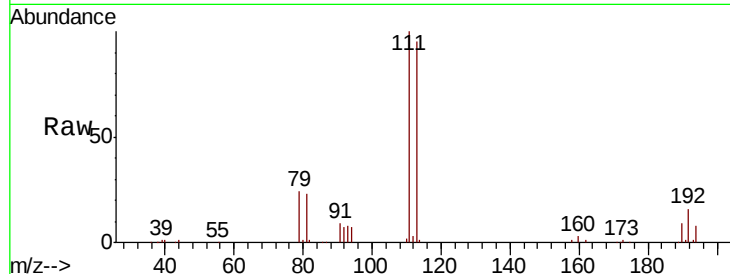




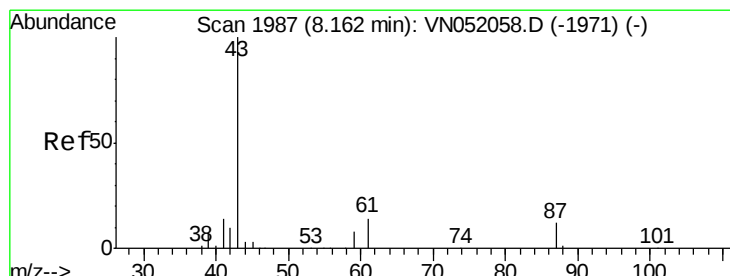
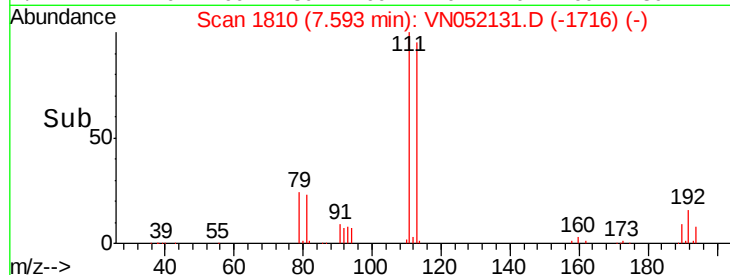
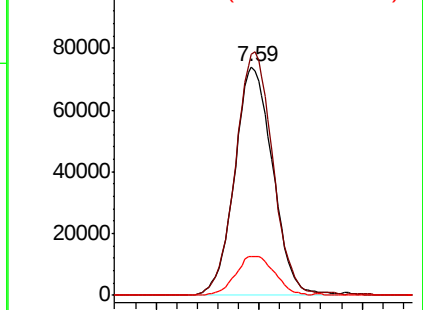
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN052131.D  
 Acq: 2 Nov 2018 16:10

Instrument :  
 MSVOA\_N  
 ClientSampled :  
 TP-1

Tot Ion:113 Resp: 190312  
 Ion Ratio Lower Upper  
 113 100  
 111 104.0 83.1 124.7  
 192 17.6 12.7 19.1

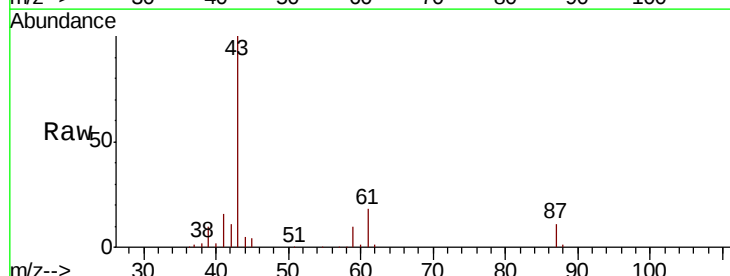


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

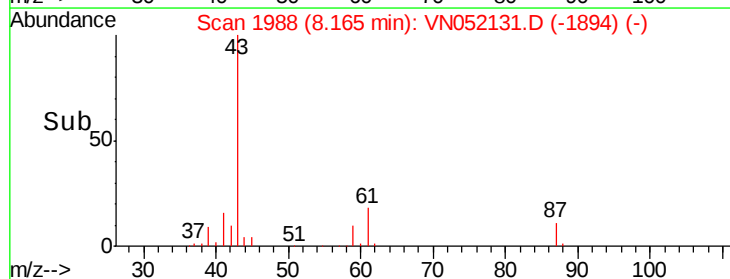
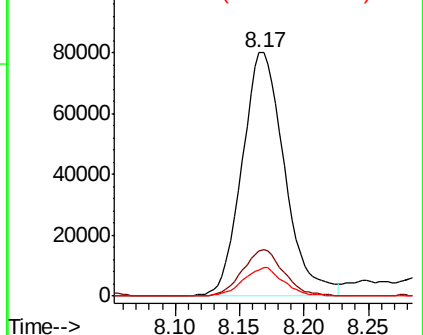


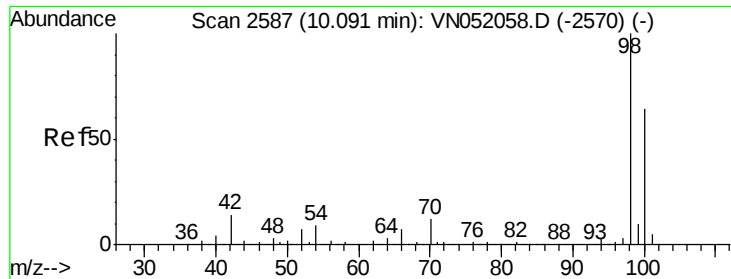
#43  
 Isopropyl Acetate  
 Concen: 29.797 ug/l  
 RT: 8.17 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: VN052131.D  
 Acq: 2 Nov 2018 16:10

Tgt Ion: 43 Resp: 183211  
 Ion Ratio Lower Upper  
 43 100  
 61 18.7 15.4 23.0  
 87 11.2 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VNO  
 Ion 61.00 (60.70 to 61.70): VNO  
 Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052131.D

Acq: 2 Nov 2018 16:10

Instrument :

MSVOA\_N

ClientSampleId :

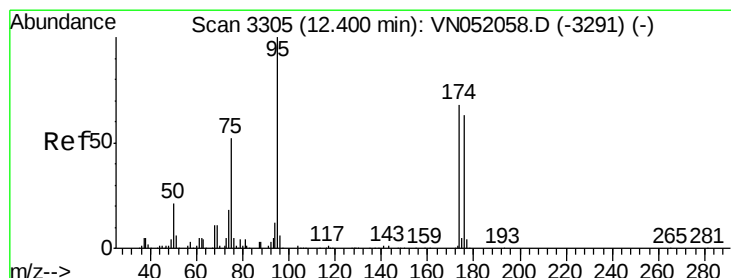
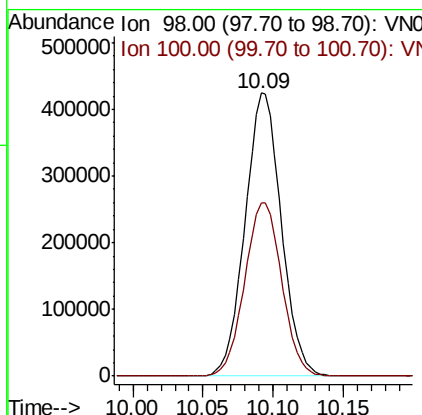
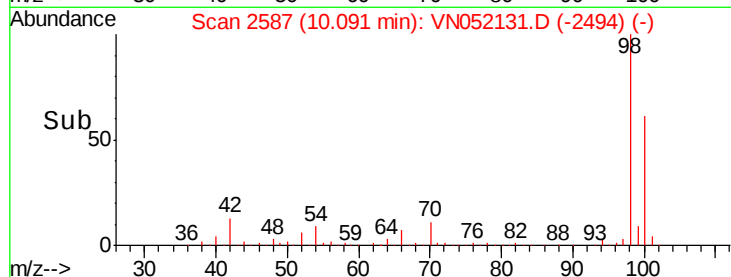
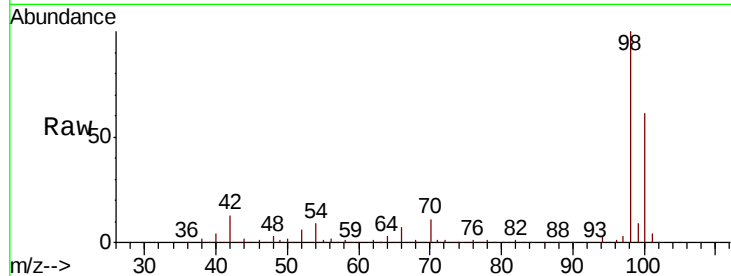
TP-1

Tot Ion: 98 Resp: 765114

Ion Ratio Lower Upper

98 100

100 62.6 51.4 77.2



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052131.D

Acq: 2 Nov 2018 16:10

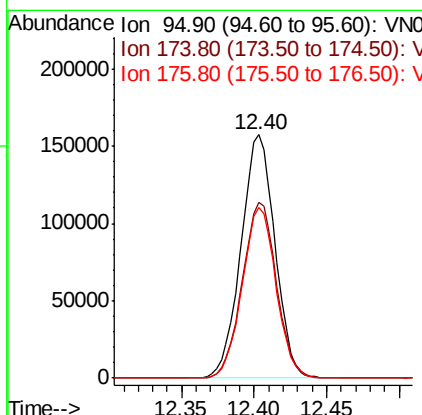
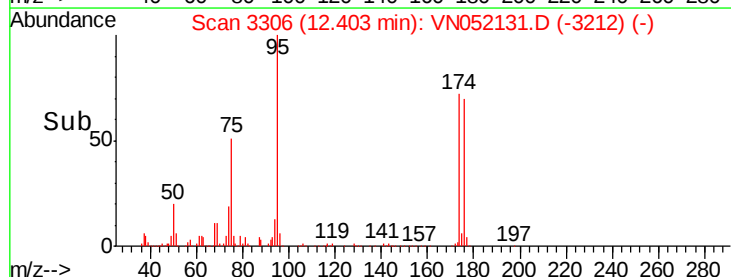
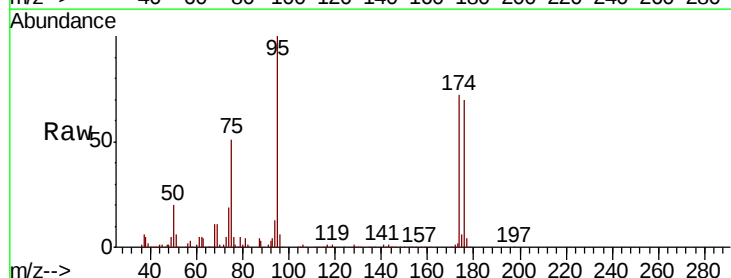
Tgt Ion: 95 Resp: 256033

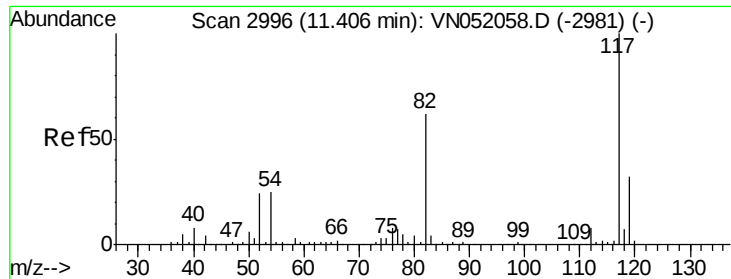
Ion Ratio Lower Upper

95 100

174 72.9 0.0 131.8

176 70.0 0.0 126.0

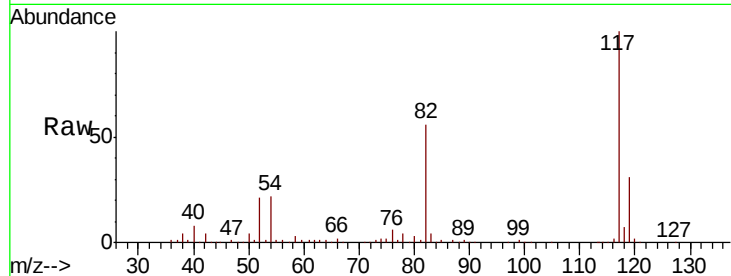




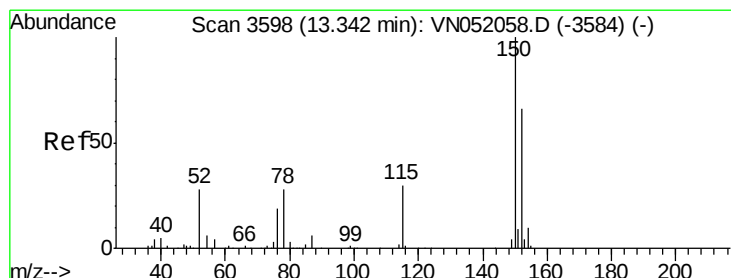
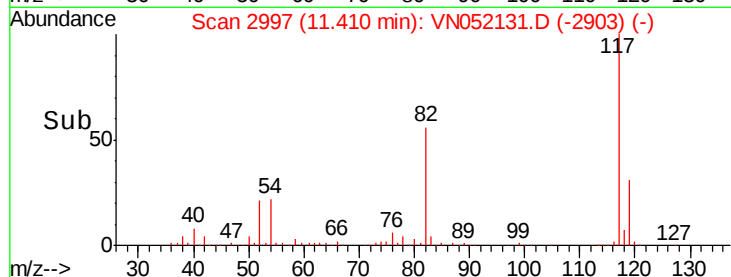
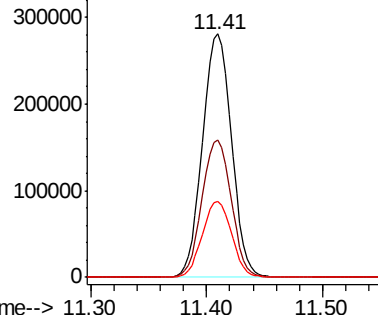
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN052131.D  
Acq: 2 Nov 2018 16:10

Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-1

Tot Ion:117 Resp: 485882  
Ion Ratio Lower Upper  
117 100  
82 56.3 49.9 74.9  
119 31.2 25.7 38.5

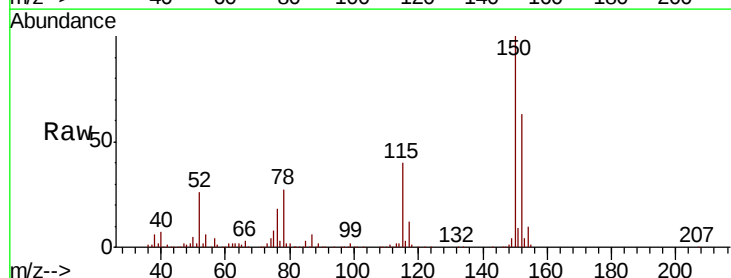


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

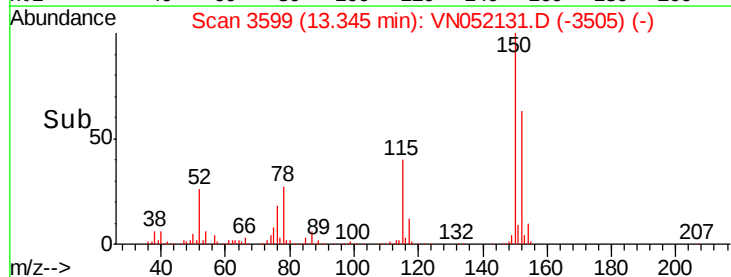
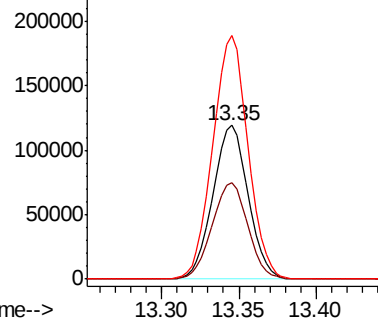


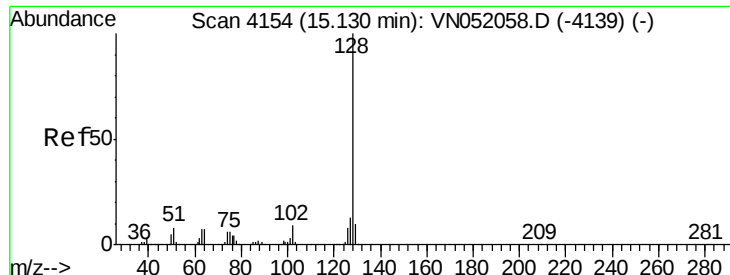
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN052131.D  
Acq: 2 Nov 2018 16:10

Tgt Ion:152 Resp: 189598  
Ion Ratio Lower Upper  
152 100  
115 63.2 31.6 95.0  
150 157.6 0.0 345.0



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





#95

Naphthalene

Concen: 1.251 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN052131.D

Acq: 2 Nov 2018 16:10

Instrument :

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ClientSampleId :

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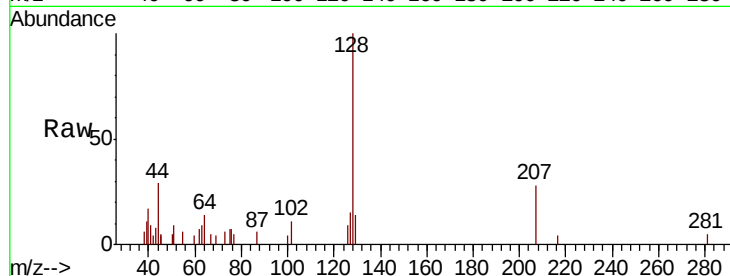
Tot Ion:128 Resp: 6797

Ion Ratio Lower Upper

128 100

127 15.0 10.5 15.7

129 14.3 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

