

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\  
 Data File : VN064122.D  
 Acq On : 14 Oct 2020 19:20  
 Operator : JC/MD  
 Sample : PB132344TB  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132344TB

Quant Time: Oct 15 07:22:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N101420W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 15 01:16:44 2020  
 Response via : Initial Calibration

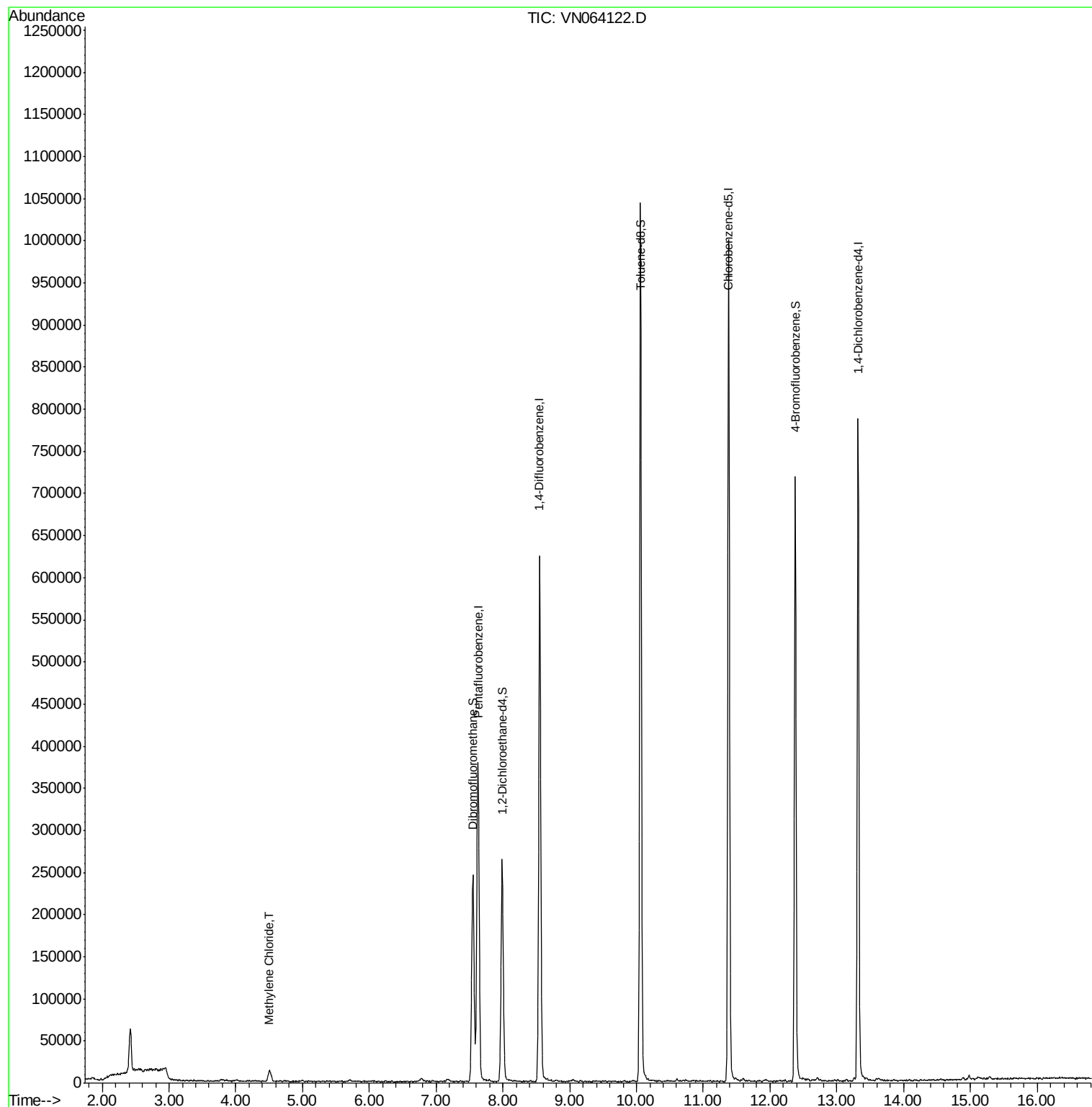
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.63  | 168  | 304127   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.55  | 114  | 565940   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.38 | 117  | 576667   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.32 | 152  | 210432   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 7.99  | 65   | 227237   | 52.46 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.92% |           |
| 35) Dibromofluoromethane    | 7.55  | 113  | 189805   | 48.45 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.90%  |           |
| 50) Toluene-d8              | 10.06 | 98   | 722293   | 48.87 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.74%  |           |
| 62) 4-Bromofluorobenzene    | 12.38 | 95   | 243430   | 47.92 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.84%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 20) Methylene Chloride      | 4.51  | 84   | 9769     | 2.457 | ug/l    | Qvalue 98 |

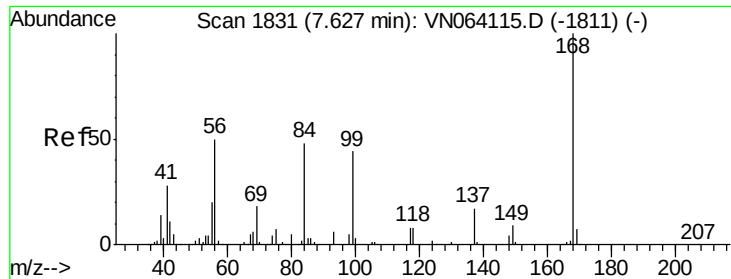
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N101420W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 15 01:16:44 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064122.D

Acq: 14 Oct 2020 19:20

Instrument :

MSVOA\_N

ClientSampleId :

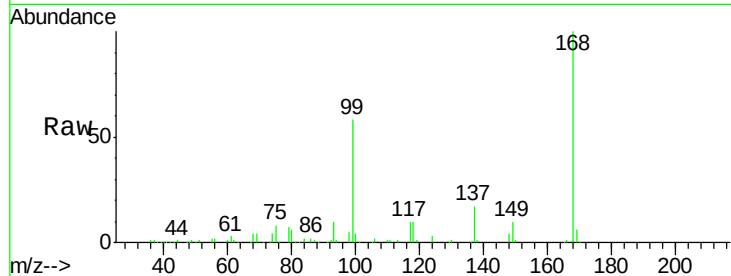
PB132344TB

Tot Ion:168 Resp: 304127

Ion Ratio Lower Upper

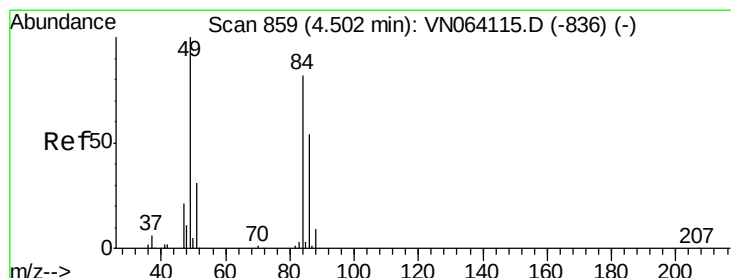
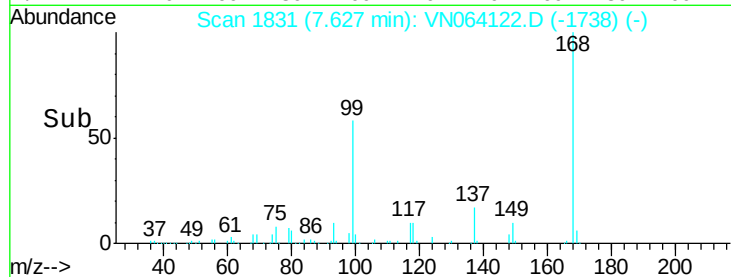
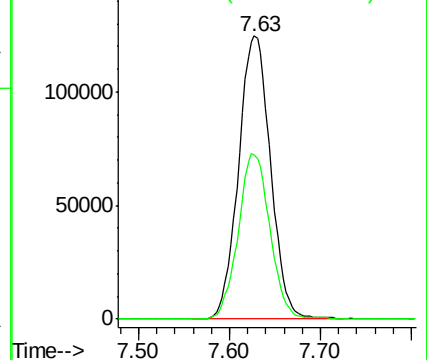
168 100

99 58.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#20

Methylene Chloride

Concen: 2.457 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN064122.D

Acq: 14 Oct 2020 19:20

Tgt Ion: 84 Resp: 9769

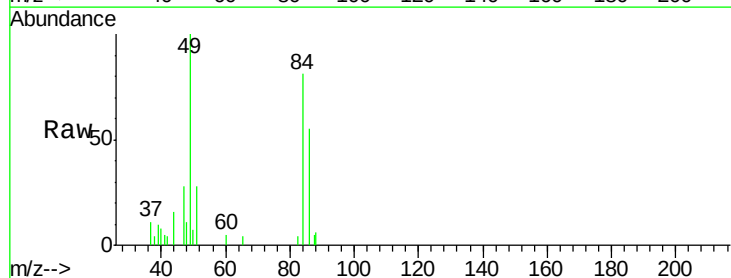
Ion Ratio Lower Upper

84 100

49 123.0 97.4 146.0

51 33.9 29.7 44.5

86 68.1 52.5 78.7

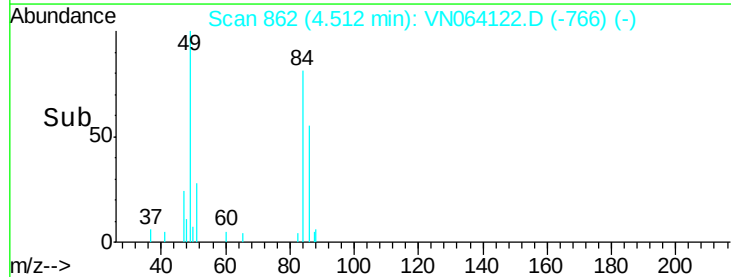
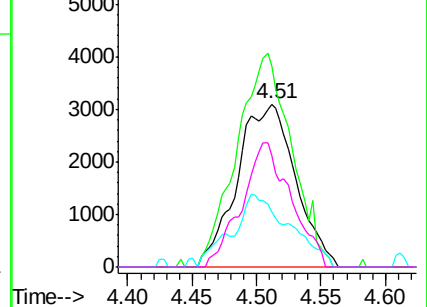


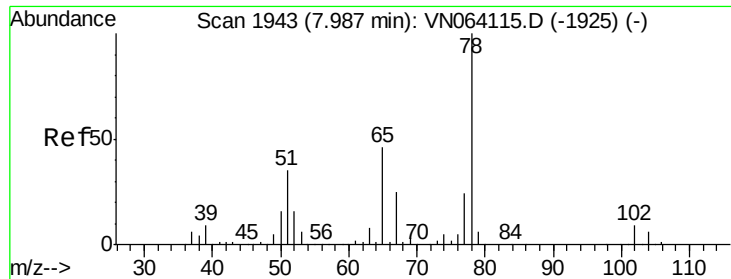
Abundance Ion 83.90 (83.60 to 84.60): VNO

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

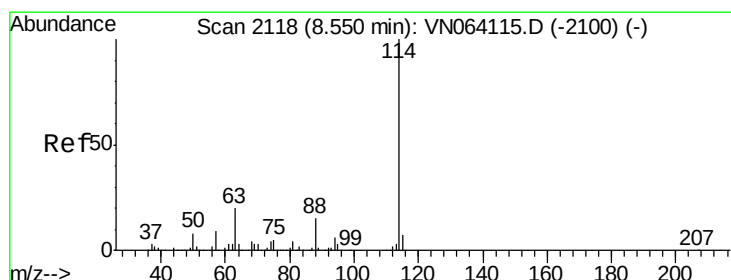
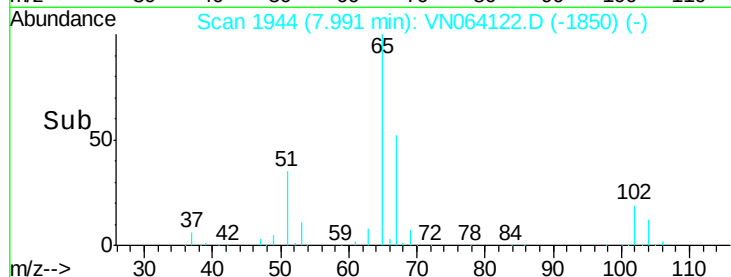
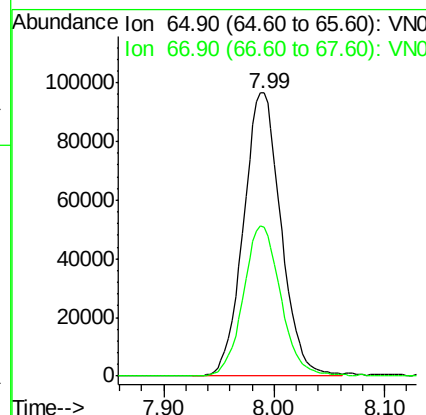
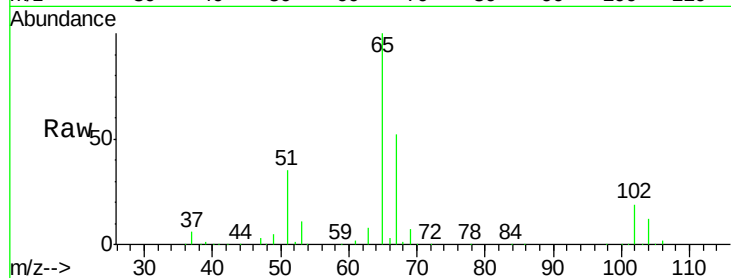




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.463 ug/l  
 RT: 7.99 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN064122.D  
 Acq: 14 Oct 2020 19:20

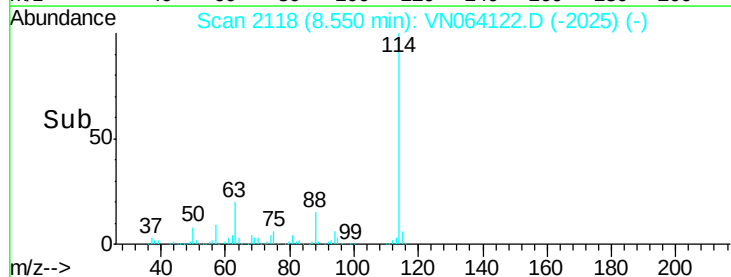
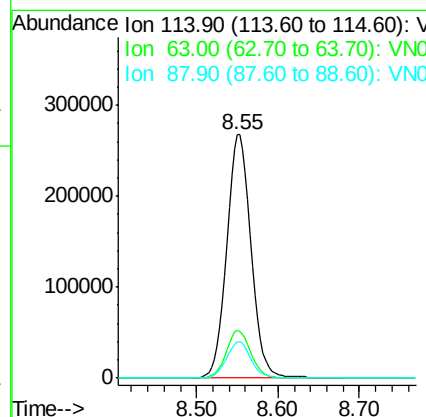
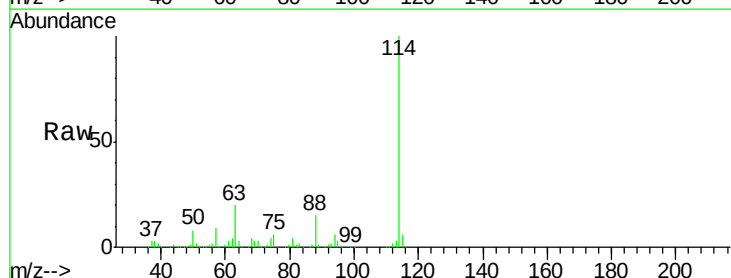
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 PB132344TB

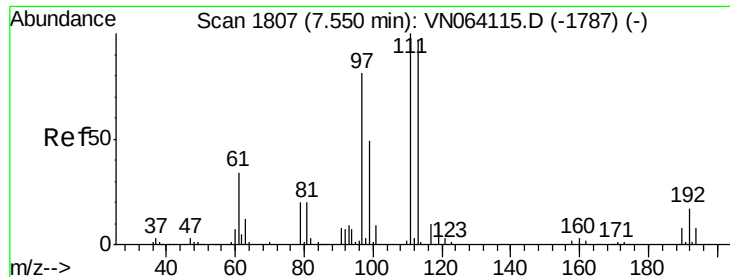
Tot Ion: 65 Resp: 227237  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 105.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064122.D  
 Acq: 14 Oct 2020 19:20

Tgt Ion: 114 Resp: 565940  
 Ion Ratio Lower Upper  
 114 100  
 63 19.7 0.0 41.0  
 88 14.7 0.0 29.2

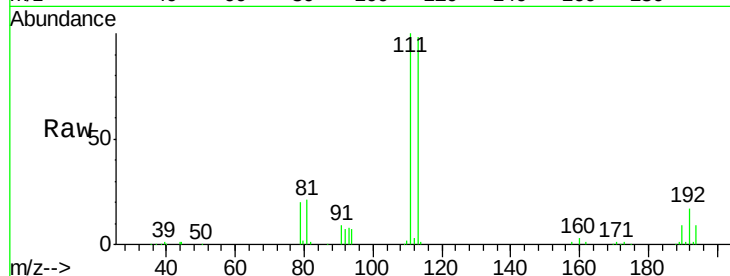




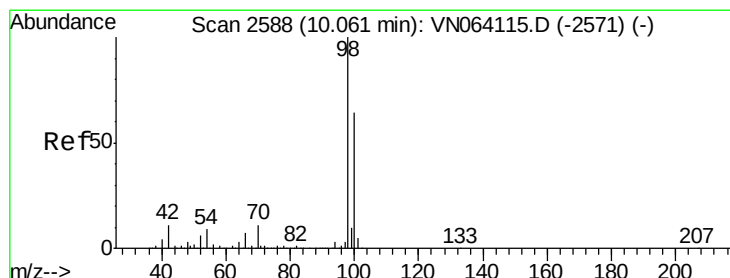
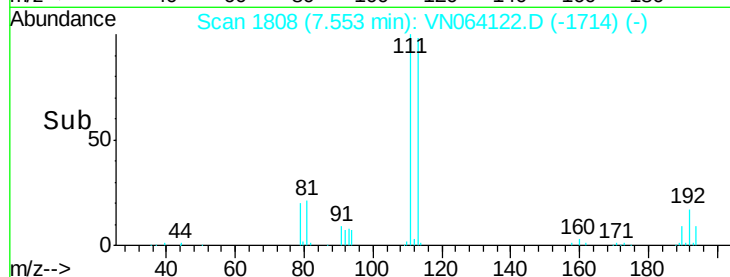
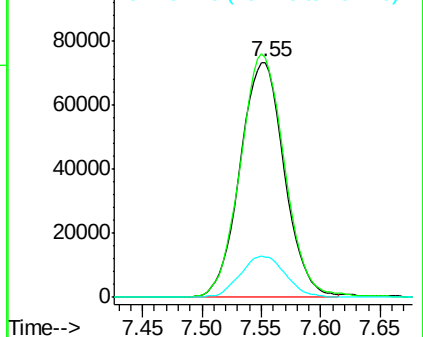
#35  
 Dibromofluoromethane  
 Concen: 48.455 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064122.D  
 Acq: 14 Oct 2020 19:20

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB132344TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.0 | 81.9  | 122.9 |
| 192     | 18.0  | 14.3  | 21.5  |

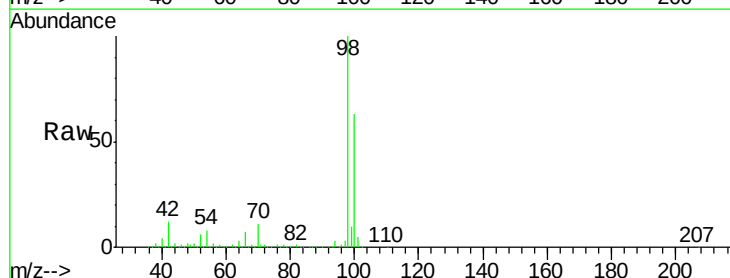


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

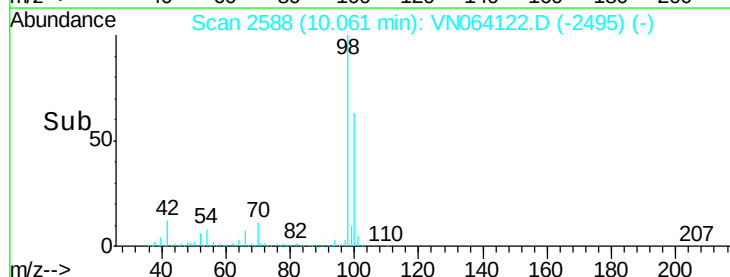
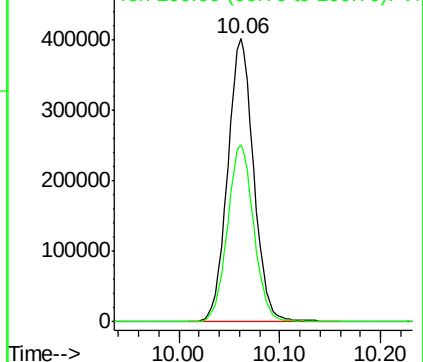


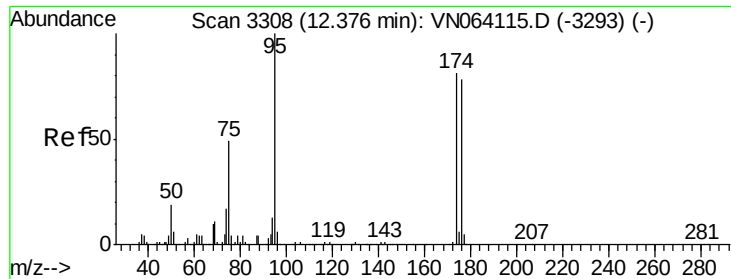
#50  
 Toluene-d8  
 Concen: 48.870 ug/l  
 RT: 10.06 min Scan# 2588  
 Delta R.T. 0.00 min  
 Lab File: VN064122.D  
 Acq: 14 Oct 2020 19:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.3  | 50.8  | 76.2  |



Abundance Ion 98.00 (97.70 to 98.70): VN  
 Ion 100.00 (99.70 to 100.70): VN

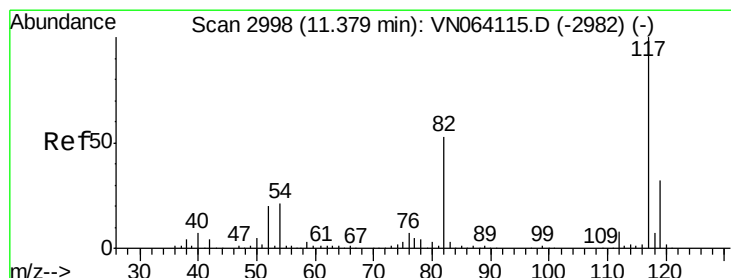
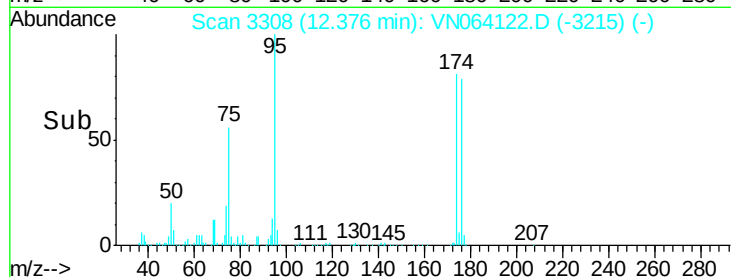
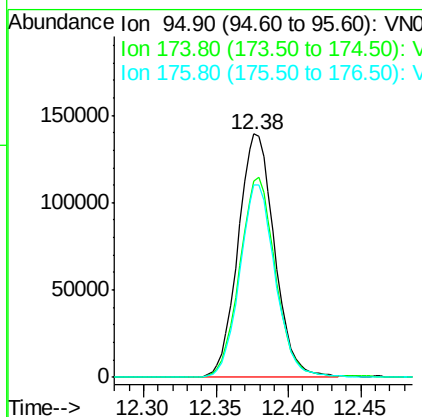
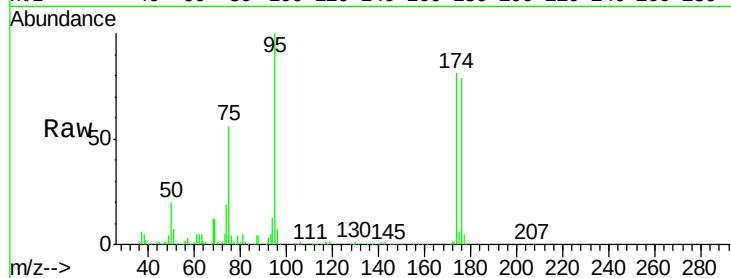




#62  
4-Bromofluorobenzene  
Concen: 47.917 ug/l  
RT: 12.38 min Scan# 3308  
Delta R.T. 0.00 min  
Lab File: VN064122.D  
Acq: 14 Oct 2020 19:20

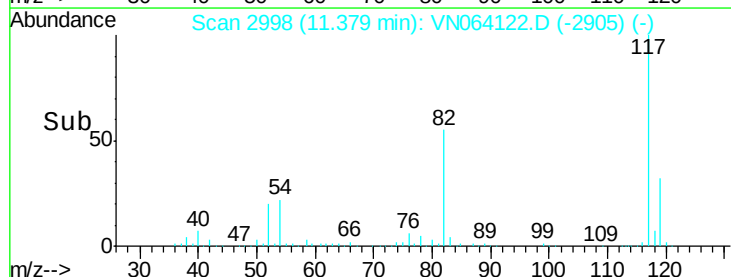
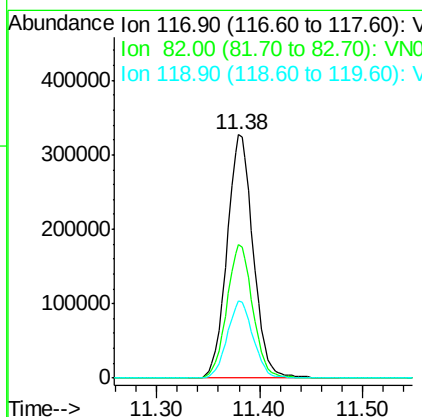
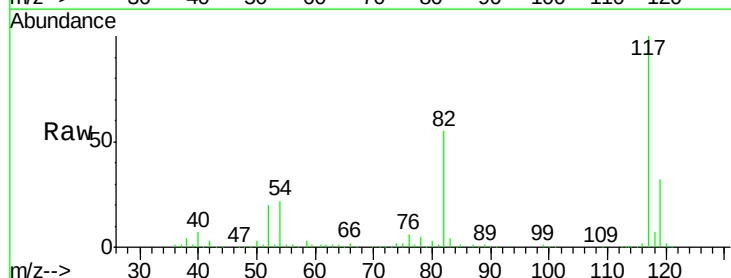
Instrument :  
MSVOA\_N  
ClientSampled :  
PB132344TB

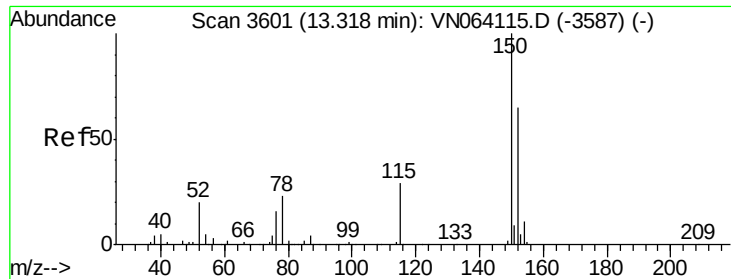
Tot Ion: 95 Resp: 243430  
Ion Ratio Lower Upper  
95 100  
174 80.8 0.0 164.8  
176 77.2 0.0 157.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064122.D  
Acq: 14 Oct 2020 19:20

Tgt Ion: 117 Resp: 576667  
Ion Ratio Lower Upper  
117 100  
82 54.6 42.6 63.8  
119 31.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064122.D

Acq: 14 Oct 2020 19:20

Instrument :

MSVOA\_N

ClientSampleId :

PB132344TB

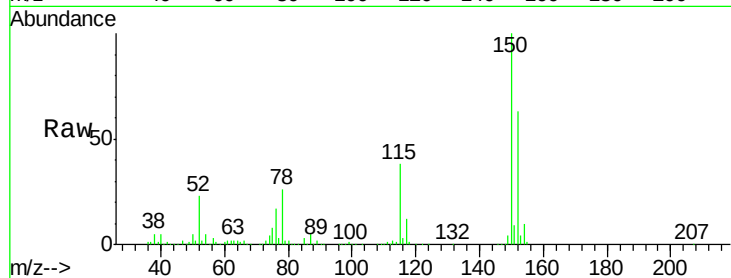
Tot Ion:152 Resp: 210432

Ion Ratio Lower Upper

152 100

115 60.1 29.3 87.8

150 156.6 0.0 346.0



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

