

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\  
 Data File : VN055812.D  
 Acq On : 24 May 2019 22:49  
 Operator : JC/SP  
 Sample : K3037-09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-20190522

Quant Time: May 25 05:25:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

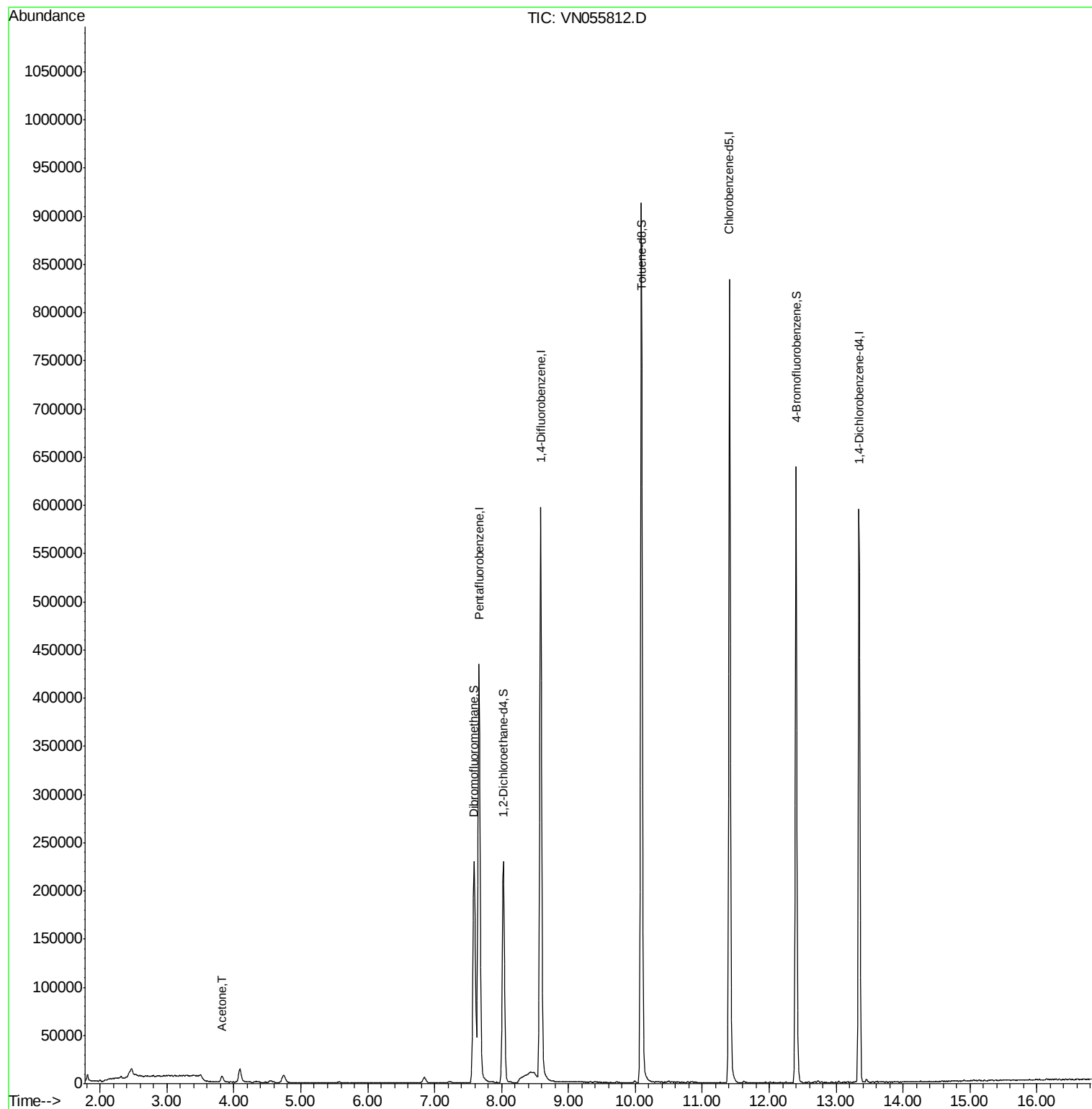
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|--------|-----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 418126   | 50.00 | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.58  | 114  | 591821   | 50.00 | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 532200   | 50.00 | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 184990   | 50.00 | ug/l   | 0.00      |
| System Monitoring Compounds |       |      |          |       |        |           |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 195108   | 45.18 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.36% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 175515   | 46.91 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.82% |           |
| 50) Toluene-d8              | 10.09 | 98   | 695754   | 48.48 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.96% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 224846   | 45.69 | ug/l   | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.38% |           |
| Target Compounds            |       |      |          |       |        |           |
| 16) Acetone                 | 3.82  | 43   | 11223    | 5.913 | ug/l   | Qvalue 96 |

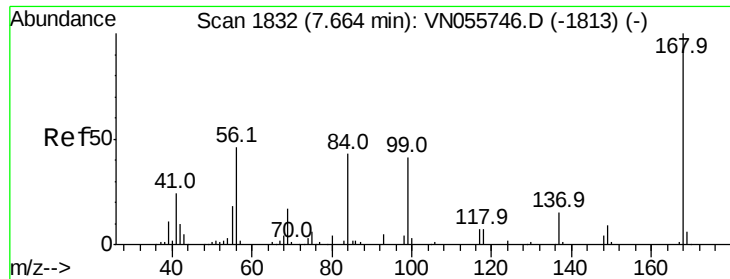
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055812.D

Acq: 24 May 2019 22:49

Instrument :

MSVOA\_N

ClientSampleId :

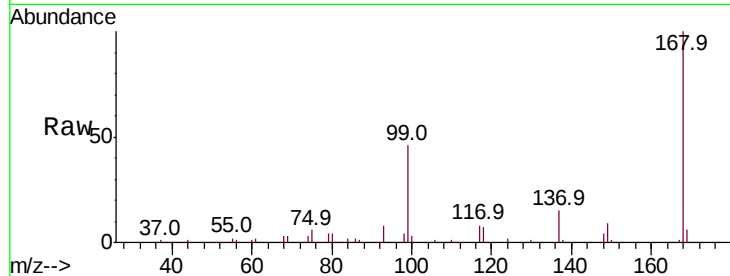
TB-20190522

Tot Ion:168 Resp: 418126

Ion Ratio Lower Upper

168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

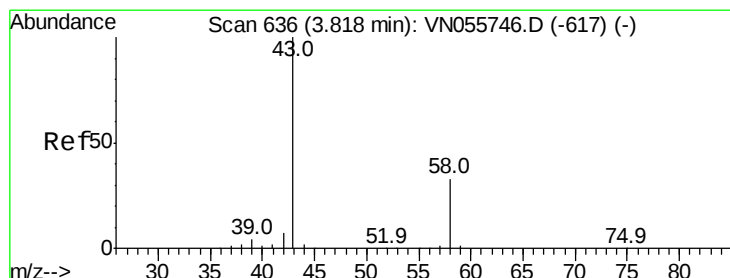
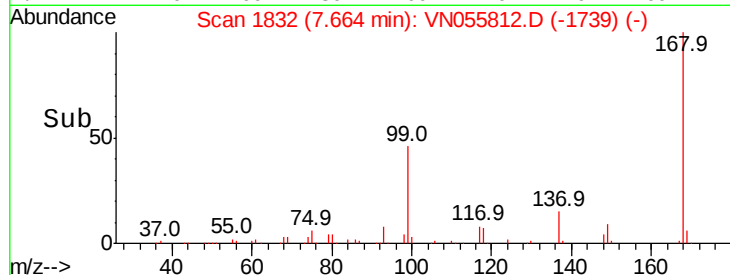
100000

50000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 5.913 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055812.D

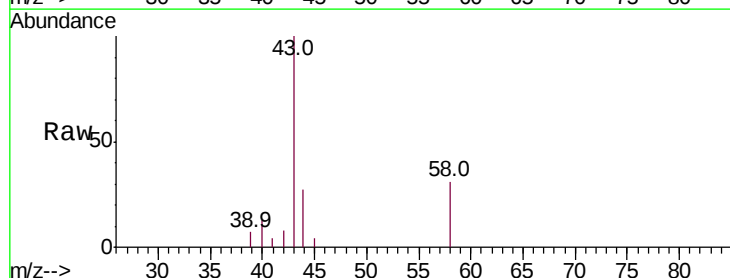
Acq: 24 May 2019 22:49

Tgt Ion: 43 Resp: 11223

Ion Ratio Lower Upper

43 100

58 30.8 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

4000

3000

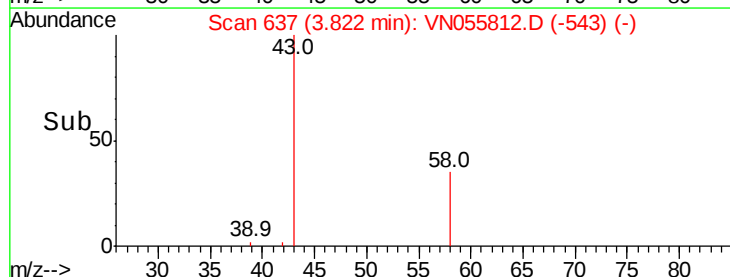
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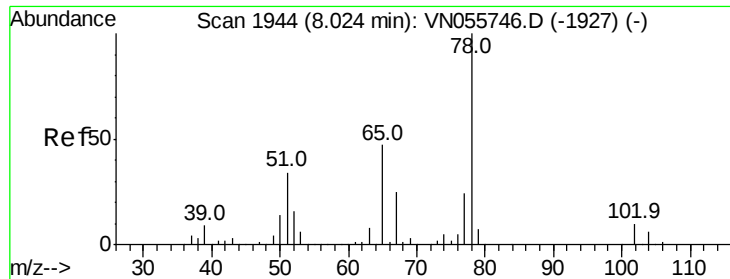
1000

0

Time-->

3.75 3.80 3.85 3.90

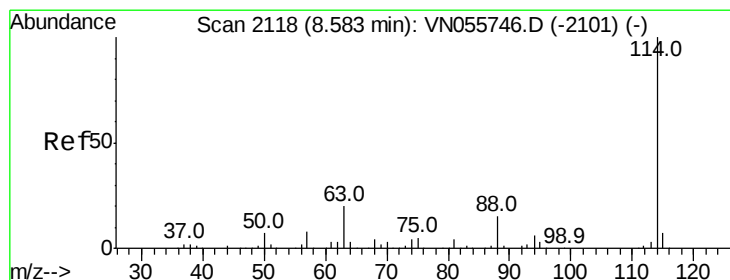
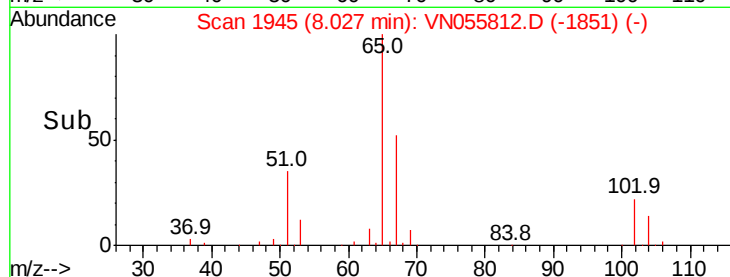
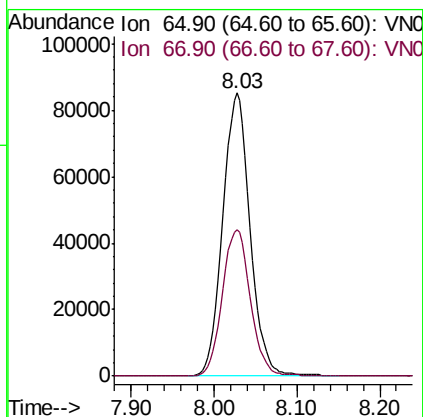
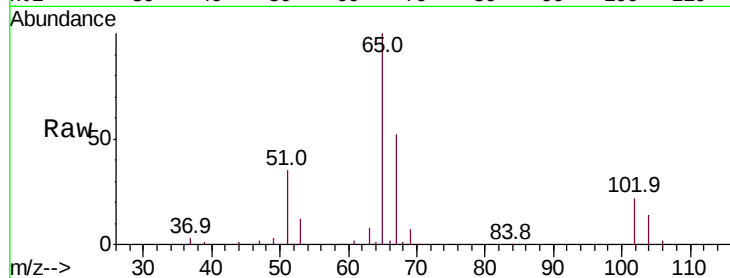




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.184 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055812.D  
 Acq: 24 May 2019 22:49

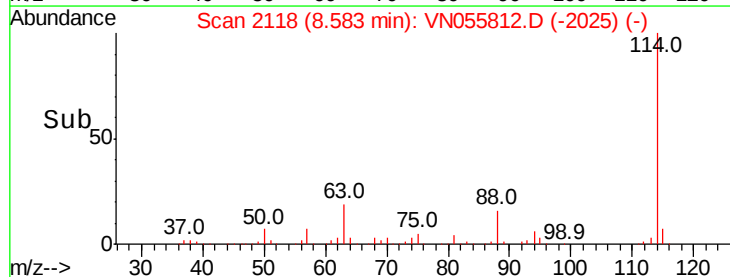
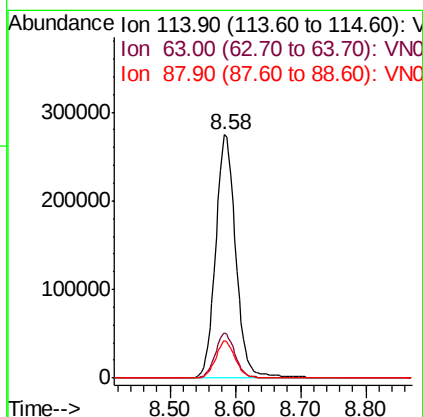
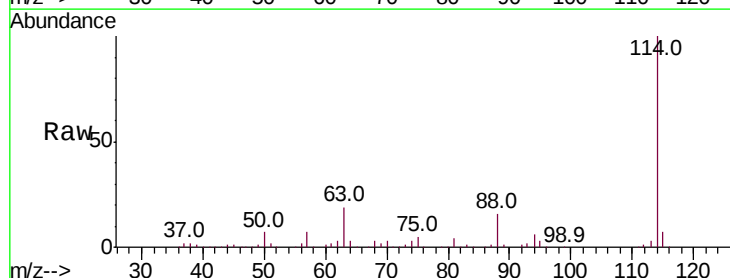
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-20190522

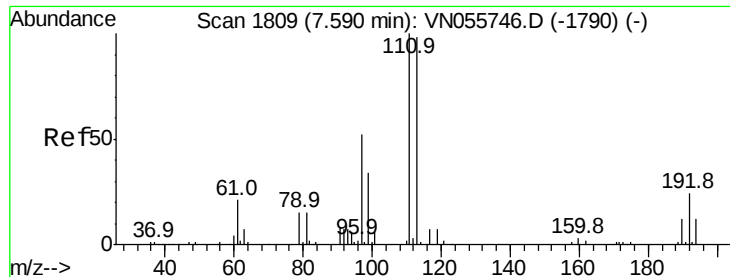
Tot Ion: 65 Resp: 195108  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055812.D  
 Acq: 24 May 2019 22:49

Tgt Ion: 114 Resp: 591821  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 39.2  
 88 15.5 0.0 31.0

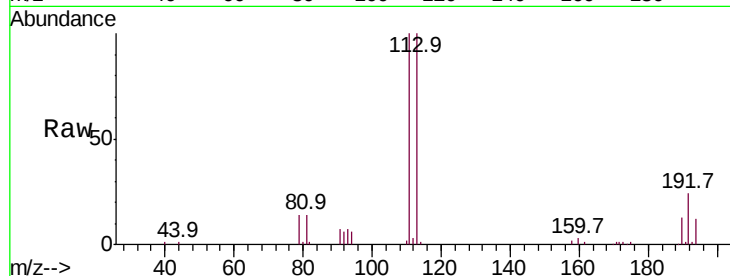




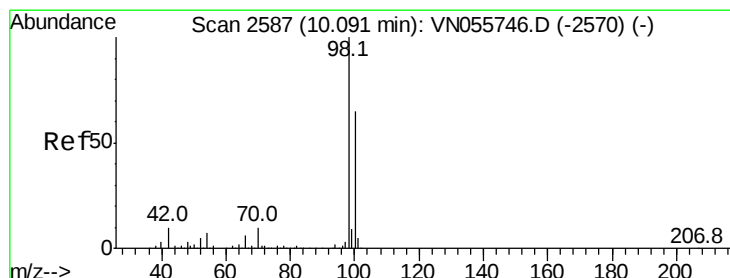
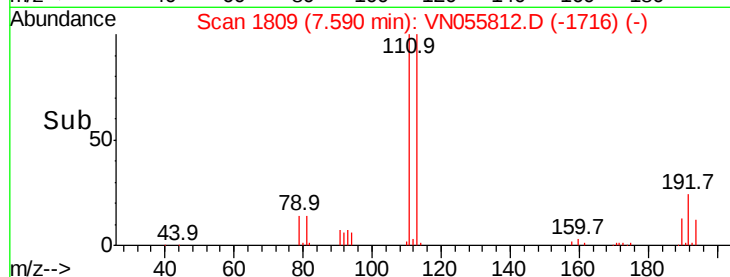
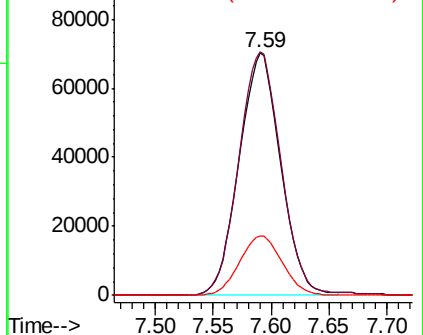
#35  
 Dibromofluoromethane  
 Concen: 46.908 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055812.D  
 Acq: 24 May 2019 22:49

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-20190522

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 81.9  | 122.9 |
| 192     | 25.0  | 19.5  | 29.3  |

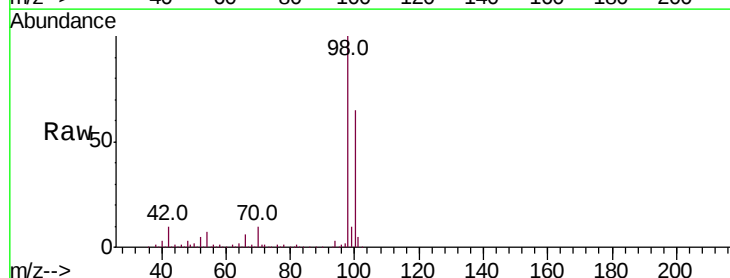


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

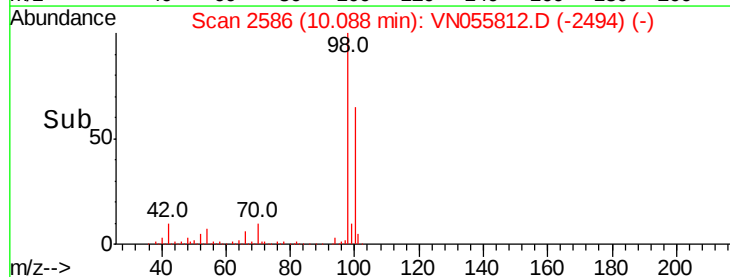
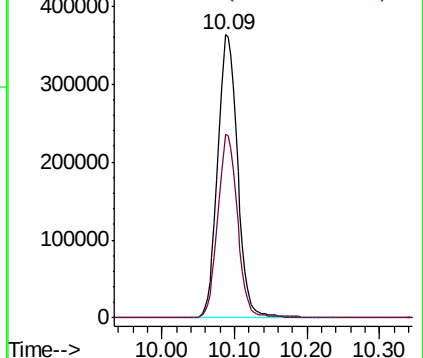


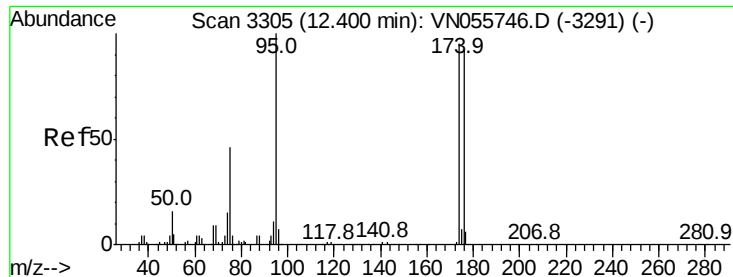
#50  
 Toluene-d8  
 Concen: 48.475 ug/l  
 RT: 10.09 min Scan# 2586  
 Delta R.T. -0.00 min  
 Lab File: VN055812.D  
 Acq: 24 May 2019 22:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.3  | 51.9  | 77.9  |



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





#62

4-Bromofluorobenzene

Concen: 45.687 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055812.D

Acq: 24 May 2019 22:49

Instrument :

MSVOA\_N

ClientSampleId :

TB-20190522

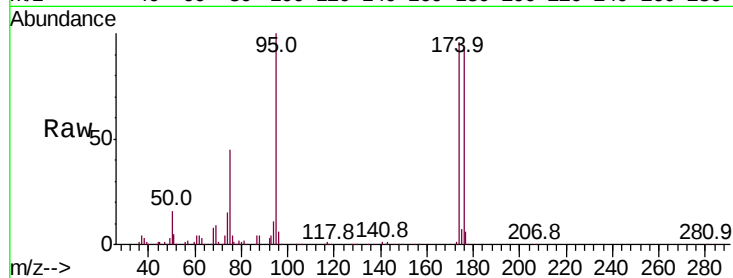
Tot Ion: 95 Resp: 224846

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

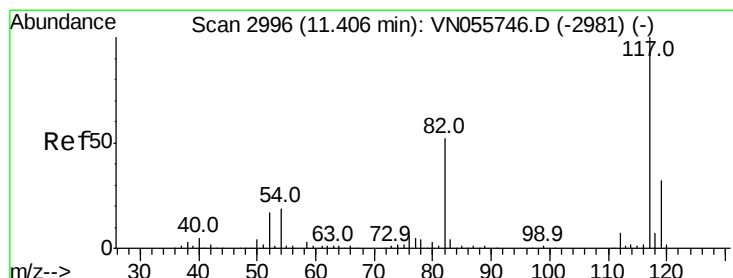
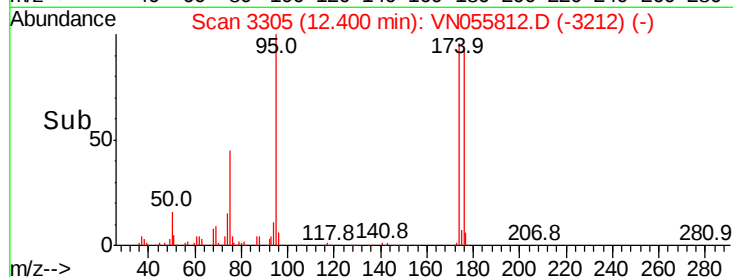
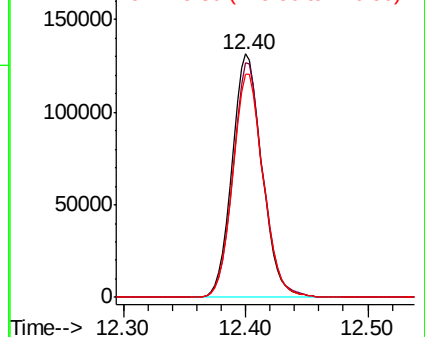
176 93.3 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055812.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055812.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055812.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055812.D

Acq: 24 May 2019 22:49

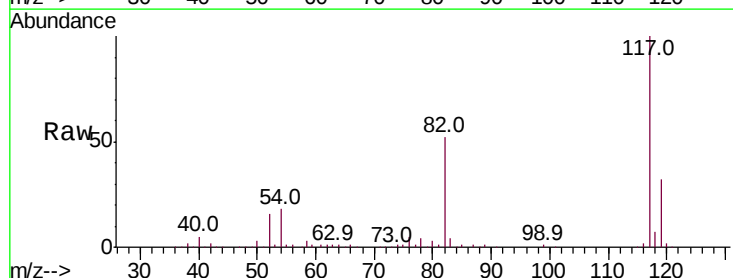
Tgt Ion: 117 Resp: 532200

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

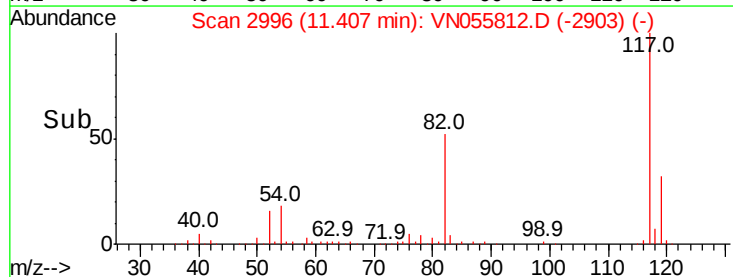
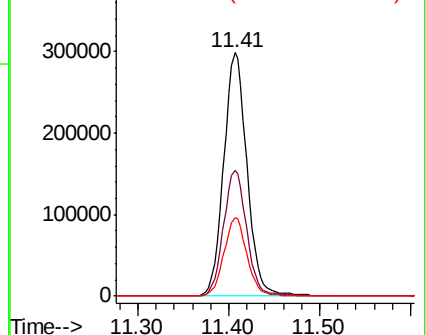
119 32.2 25.4 38.0

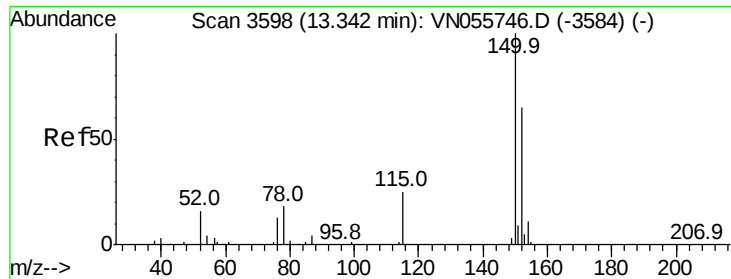


Abundance Ion 116.90 (116.60 to 117.60): VN055812.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055812.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055812.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055812.D

Acq: 24 May 2019 22:49

Instrument :

MSVOA\_N

ClientSampleId :

TB-20190522

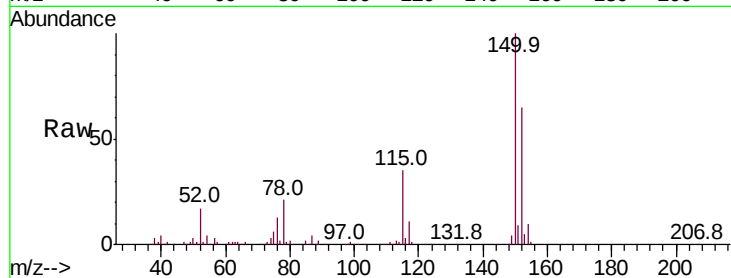
Tot Ion:152 Resp: 184990

Ion Ratio Lower Upper

152 100

115 53.0 27.0 81.0

150 155.6 0.0 343.2



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

