

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\  
 Data File : VN056294.D  
 Acq On : 13 Jun 2019 20:17  
 Operator : JC/SP  
 Sample : K3345-14  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PR-MW-3 061219

Quant Time: Jun 14 02:30:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N060419W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 04 11:02:09 2019  
 Response via : Initial Calibration

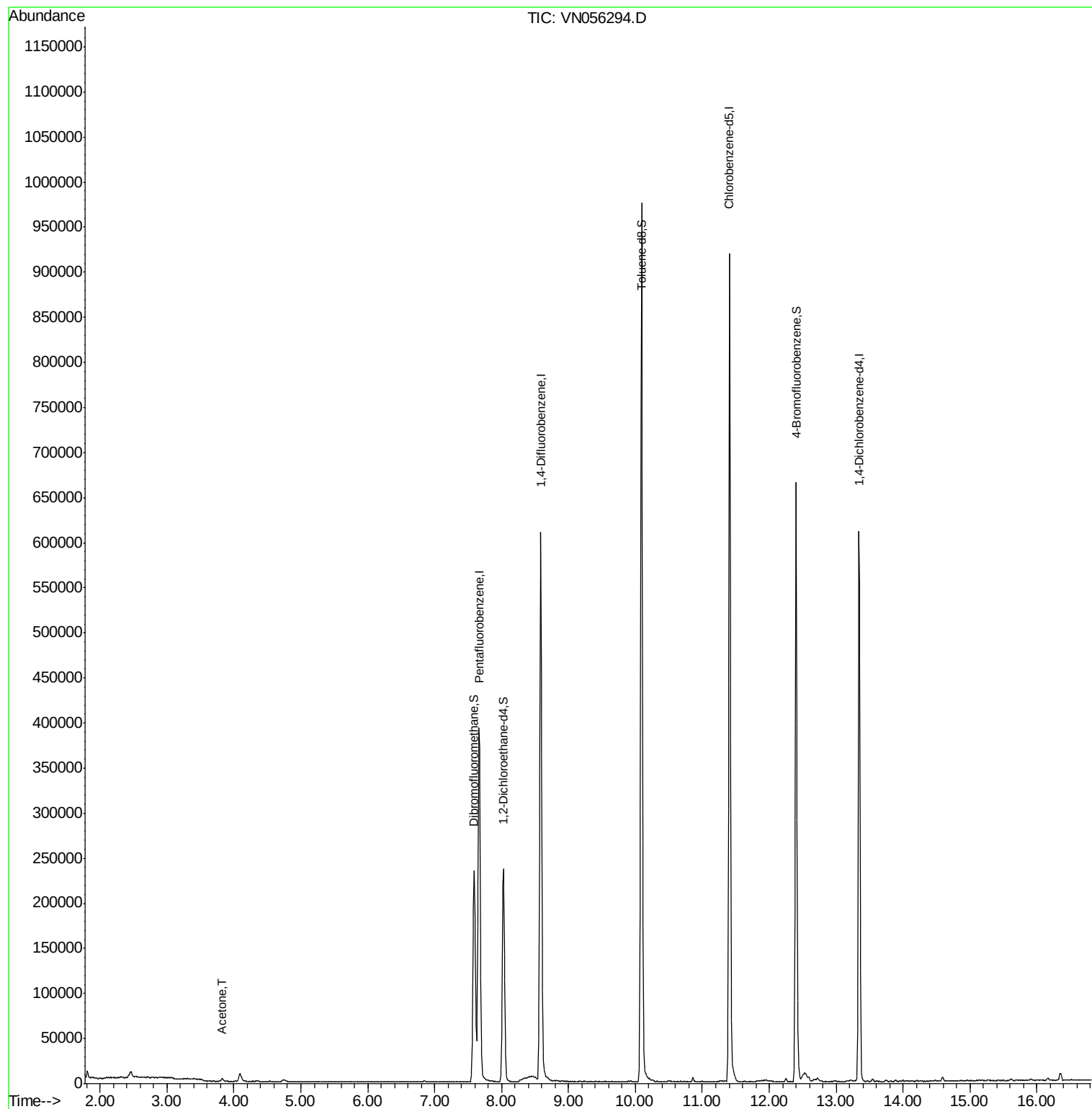
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 7.66  | 168  | 353872   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 589137   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 582940   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 184007   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 200903   | 57.18 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.36% |           |
| 35) Dibromofluoromethane    | 7.59  | 113  | 182642   | 50.53 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.06% |           |
| 50) Toluene-d8              | 10.09 | 98   | 731807   | 52.61 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.22% |           |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 238882   | 50.50 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.00% |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 3.83  | 43   | 4804     | 2.859 | ug/l    | Qvalue 97 |

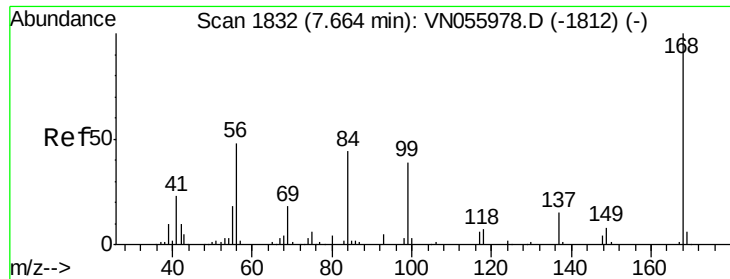
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jun 04 11:02:09 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: VN056294.D

Acq: 13 Jun 2019 20:17

Instrument :

MSVOA\_N

ClientSampleId :

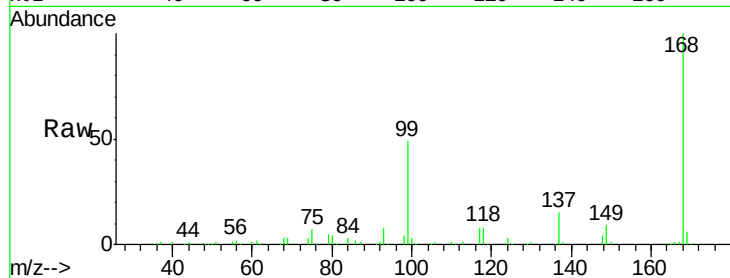
PR-MW-3\_061219

Tot Ion:168 Resp: 353872

Ion Ratio Lower Upper

168 100

99 49.0 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055978.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN055978.D (-1812) (-)

7.66

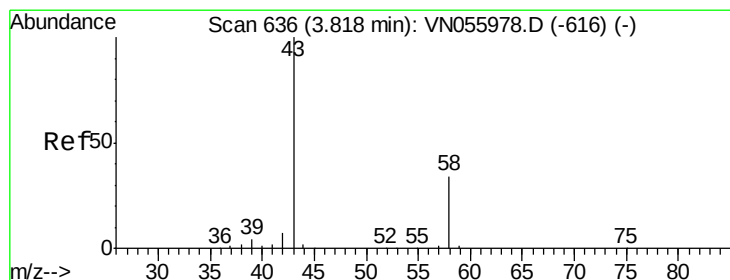
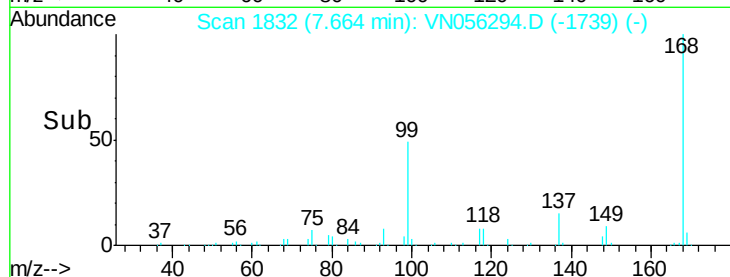
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.859 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN056294.D

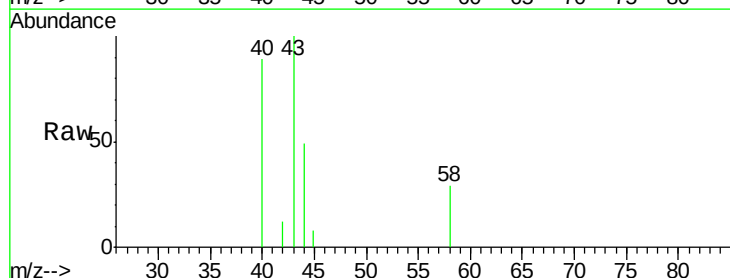
Acq: 13 Jun 2019 20:17

Tgt Ion: 43 Resp: 4804

Ion Ratio Lower Upper

43 100

58 31.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

3.83

2000

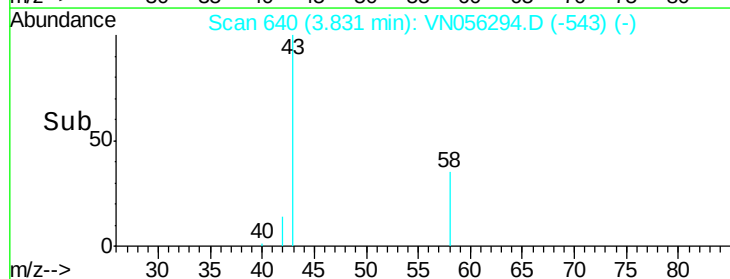
1500

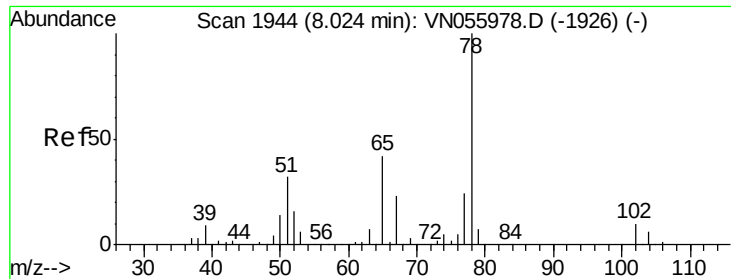
1000

500

0

Time-->

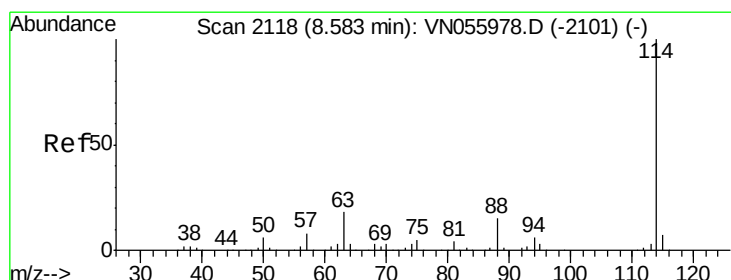
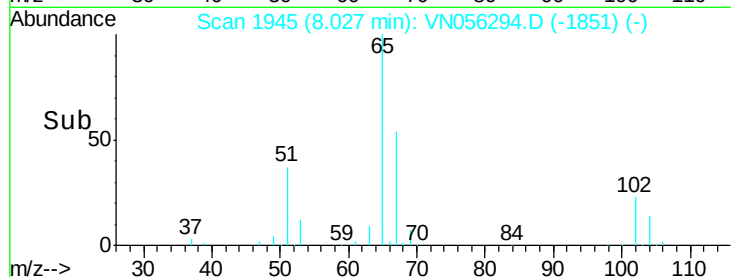
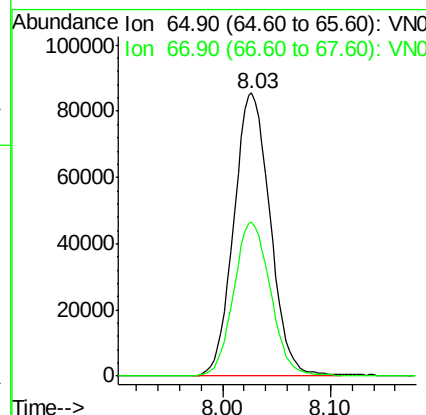
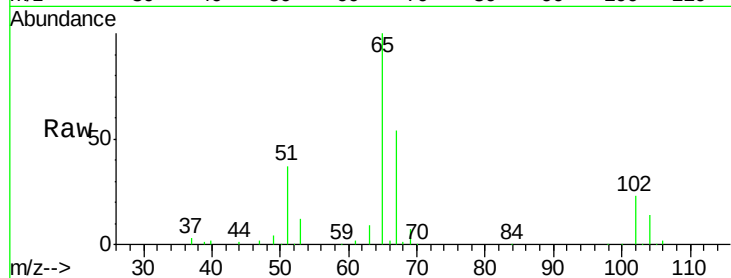




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.178 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN056294.D  
 Acq: 13 Jun 2019 20:17

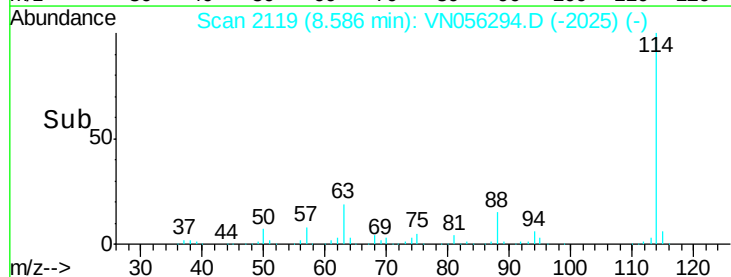
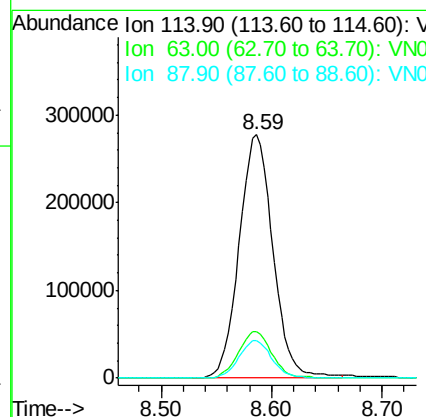
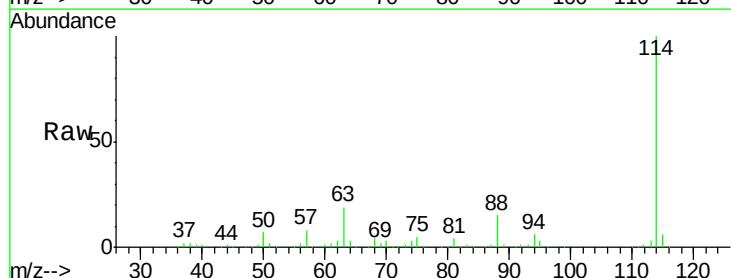
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PR-MW-3\_061219

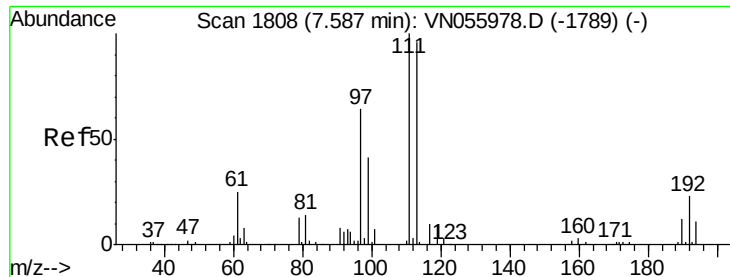
Tot Ion: 65 Resp: 200903  
 Ion Ratio Lower Upper  
 65 100  
 67 55.1 0.0 109.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN056294.D  
 Acq: 13 Jun 2019 20:17

Tgt Ion: 114 Resp: 589137  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 39.2  
 88 15.2 0.0 31.0

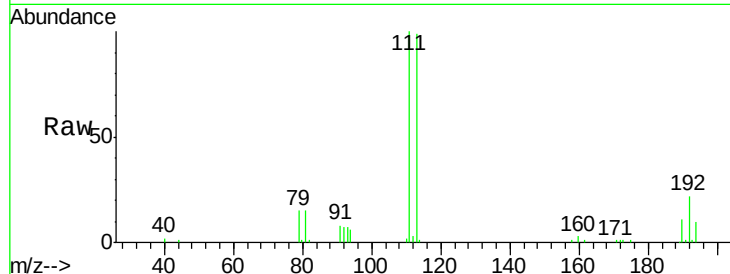




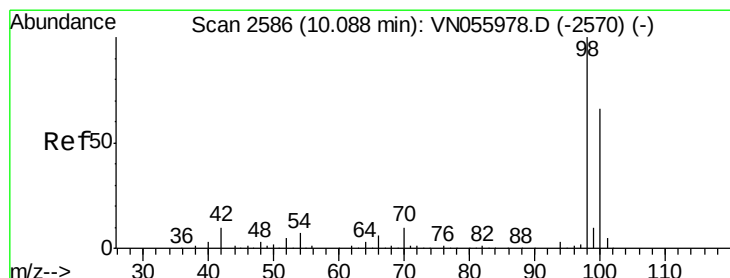
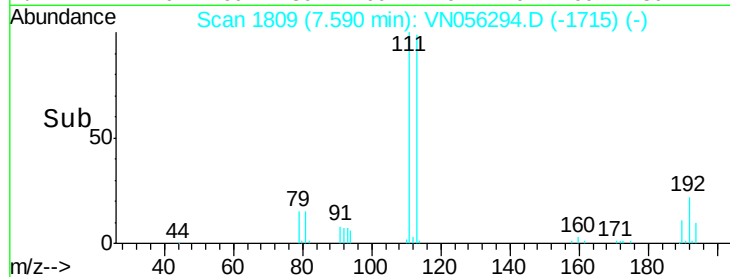
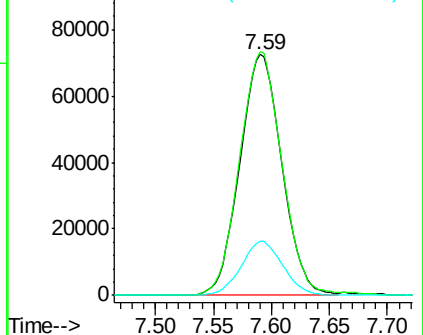
#35  
 Dibromofluoromethane  
 Concen: 50.530 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN056294.D  
 Acq: 13 Jun 2019 20:17

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PR-MW-3\_061219

Tot Ion:113 Resp: 182642  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 81.9 122.9  
 192 22.4 19.5 29.3

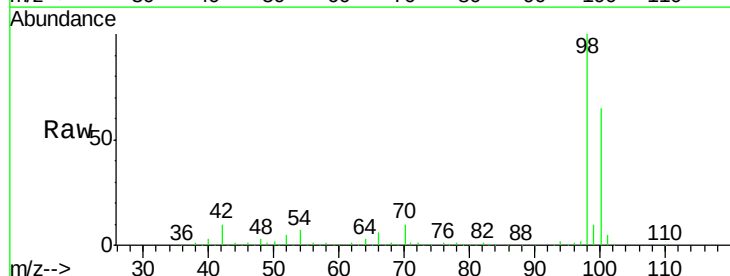


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

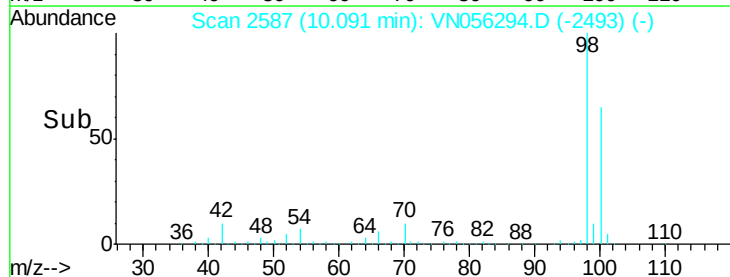
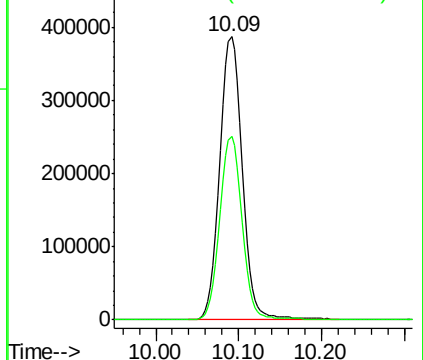


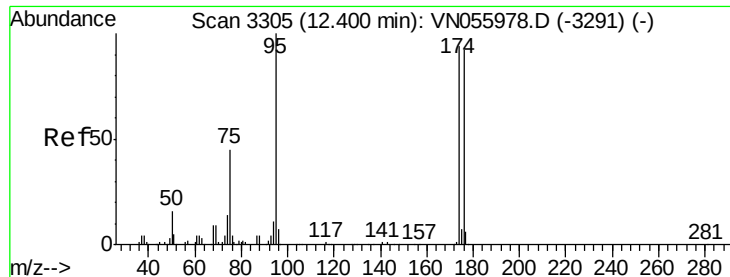
#50  
 Toluene-d8  
 Concen: 52.615 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN056294.D  
 Acq: 13 Jun 2019 20:17

Tgt Ion: 98 Resp: 731807  
 Ion Ratio Lower Upper  
 98 100  
 100 64.1 51.9 77.9



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





#62

4-Bromofluorobenzene

Concen: 50.503 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

Instrument :

MSVOA\_N

ClientSampleId :

PR-MW-3\_061219

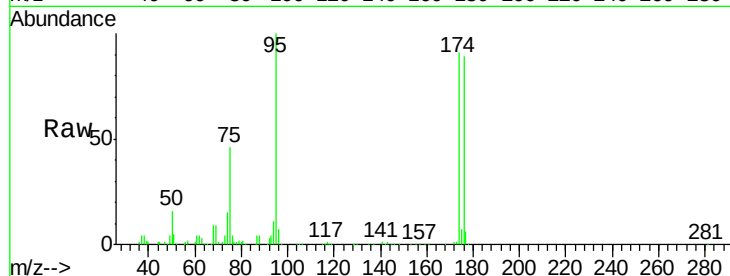
Tot Ion: 95 Resp: 238882

Ion Ratio Lower Upper

95 100

174 92.3 0.0 191.0

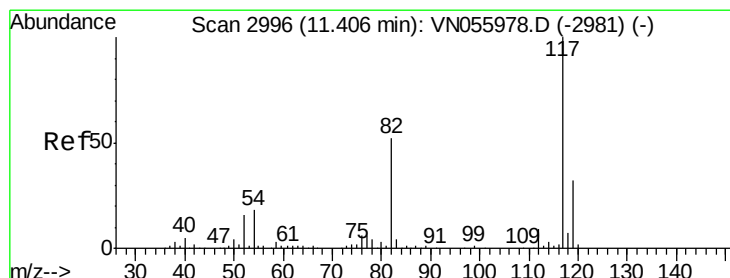
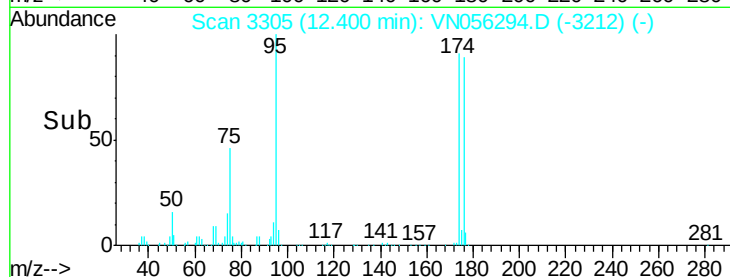
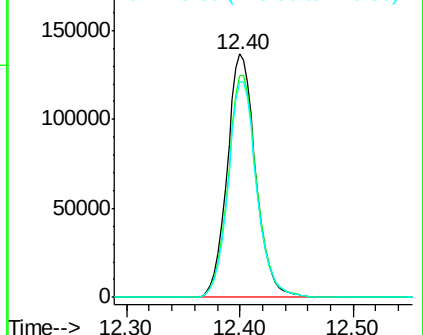
176 88.7 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056294.D

Acq: 13 Jun 2019 20:17

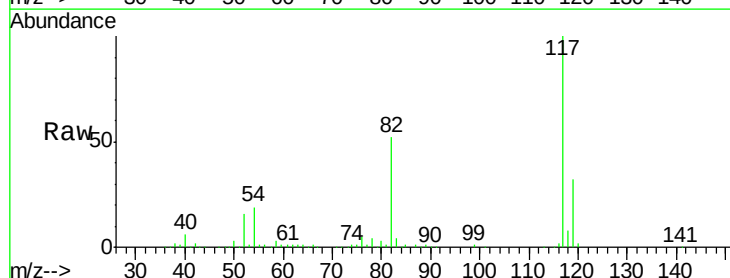
Tgt Ion: 117 Resp: 582940

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

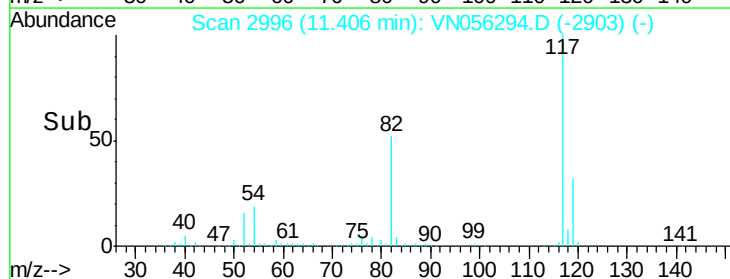
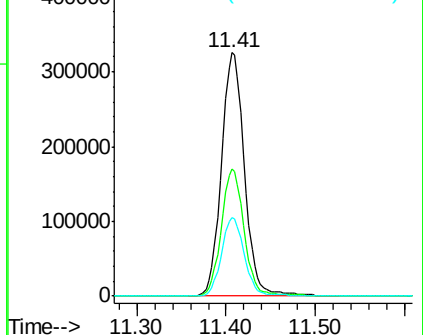
119 32.3 25.4 38.0

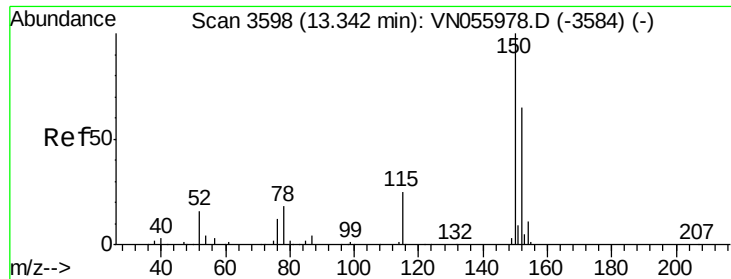


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056294.D

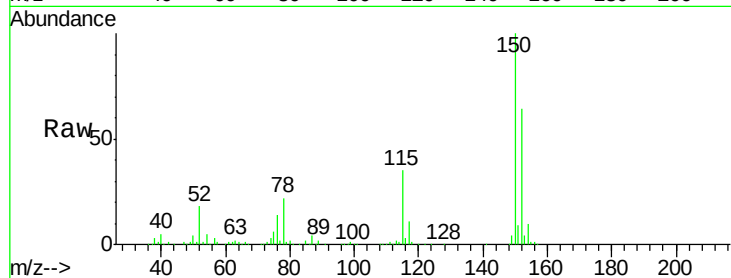
Acq: 13 Jun 2019 20:17

Instrument :

MSVOA\_N

ClientSampleId :

PR-MW-3\_061219



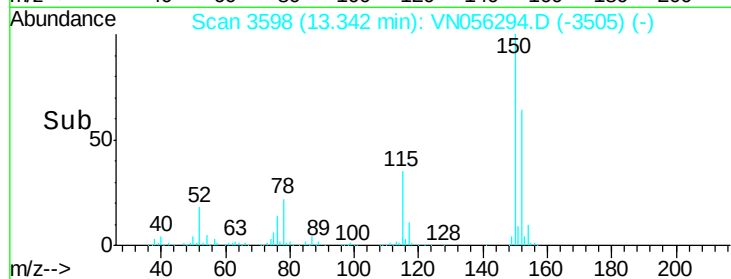
Tot Ion:152 Resp: 184007

Ion Ratio Lower Upper

152 100

115 55.5 27.0 81.0

150 155.5 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

