

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\  
 Data File : VN055690.D  
 Acq On : 20 May 2019 23:56  
 Operator : JC/SP  
 Sample : K2953-16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: May 21 05:37:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N051719W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 17 23:54:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 451015   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 602274   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 514872   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 177765   | 50.00 | ug/l  | 0.00     |

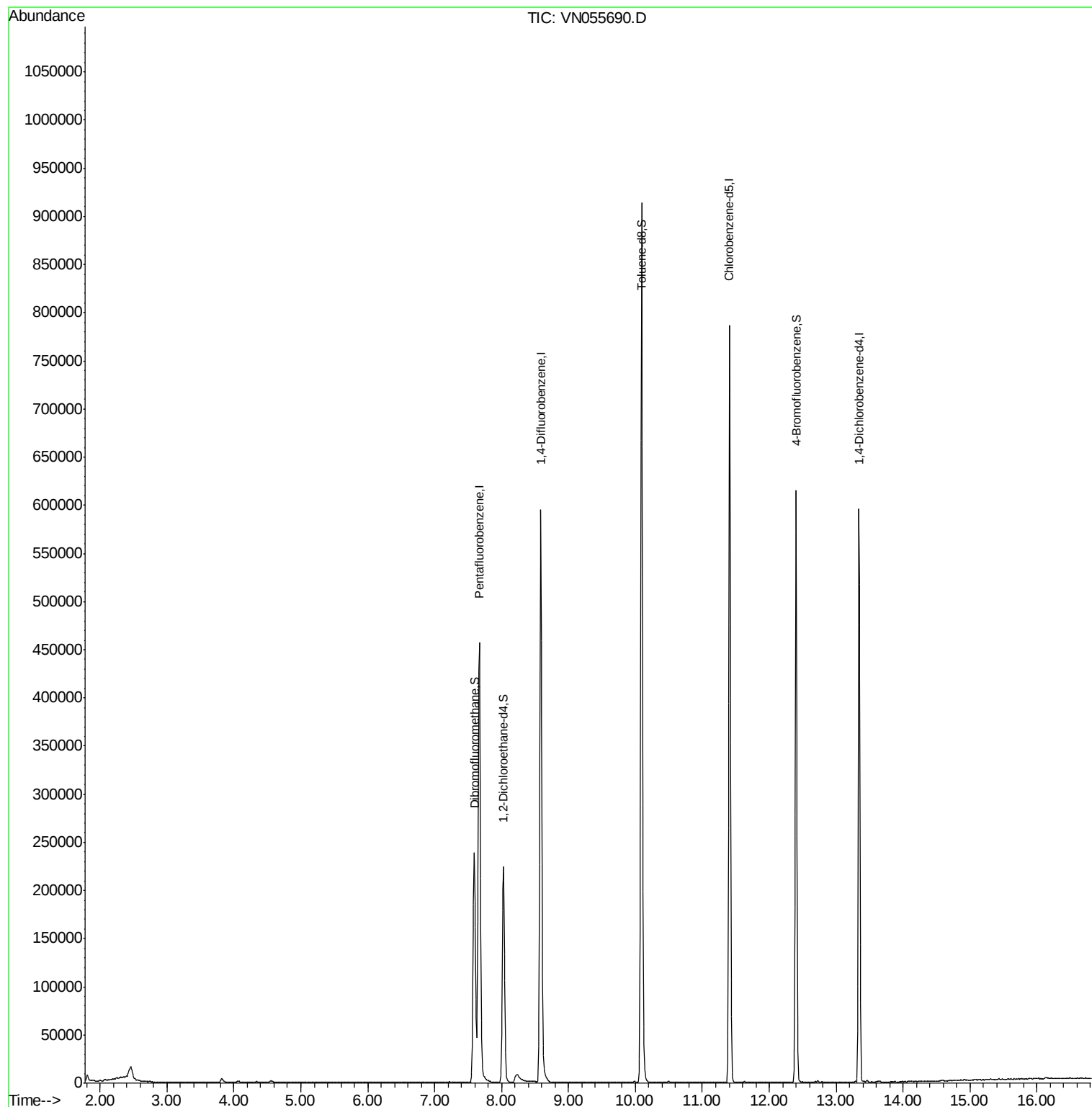
| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 190575   | 38.55 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 77.10% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 181023   | 47.31 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.62% |      |
| 50) Toluene-d8              | 10.09  | 98  | 690652   | 47.74 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.48% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 212219   | 42.48 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 84.96% |      |

| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN055690.D

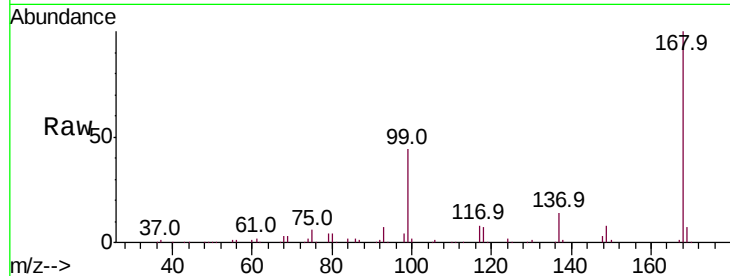
Acq: 20 May 2019 23:56

Tot Ion:168 Resp: 451015

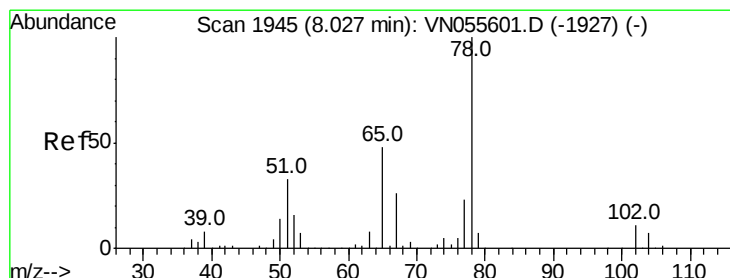
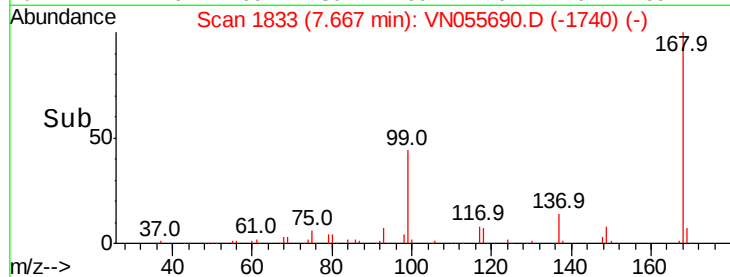
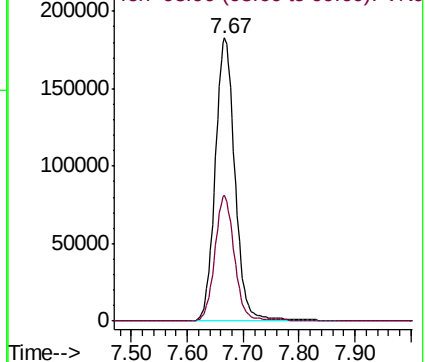
Ion Ratio Lower Upper

168 100

99 44.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN055690.D (-1740) (-)



#33

1,2-Dichloroethane-d4

Concen: 38.546 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055690.D

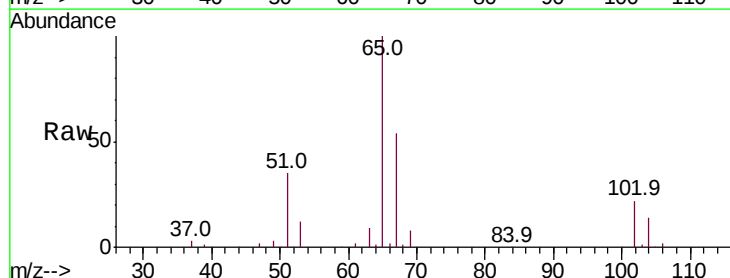
Acq: 20 May 2019 23:56

Tgt Ion: 65 Resp: 190575

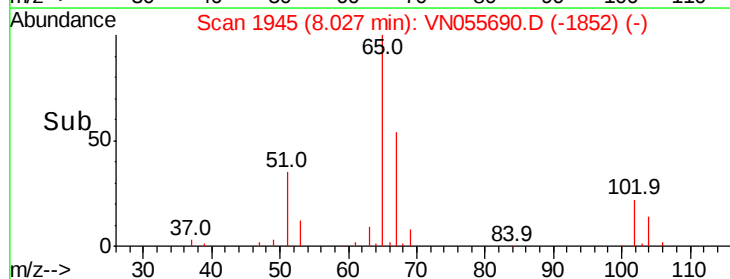
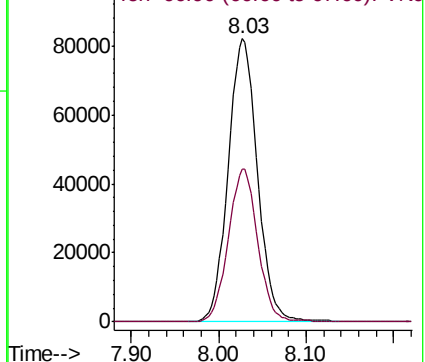
Ion Ratio Lower Upper

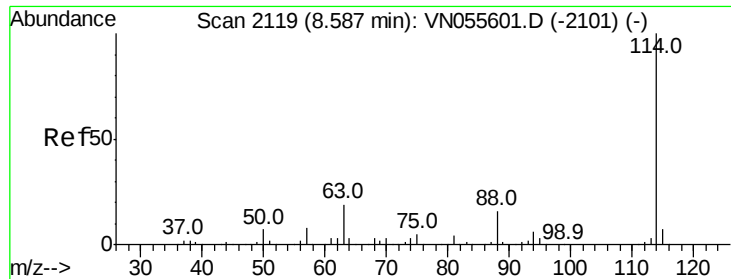
65 100

67 54.1 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055690.D (-1852) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055690.D

Acq: 20 May 2019 23:56

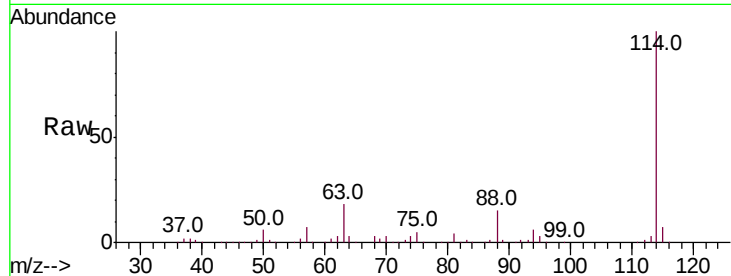
Tot Ion:114 Resp: 602274

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.2

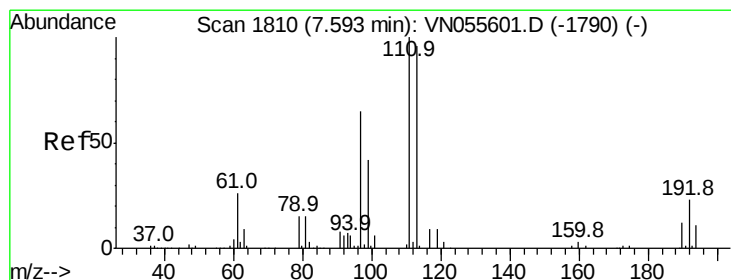
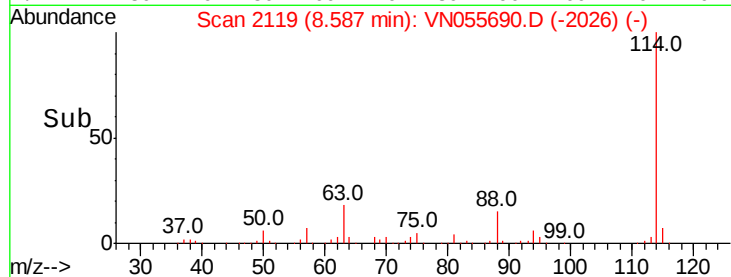
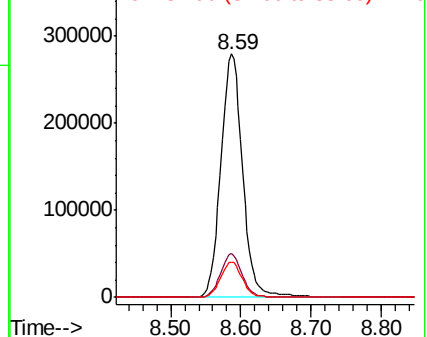
88 14.5 0.0 31.0



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: 47.315 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN055690.D

Acq: 20 May 2019 23:56

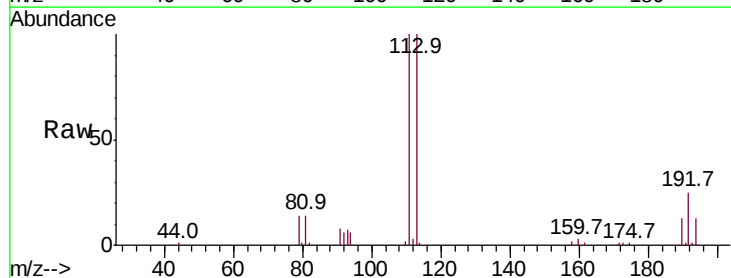
Tgt Ion:113 Resp: 181023

Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

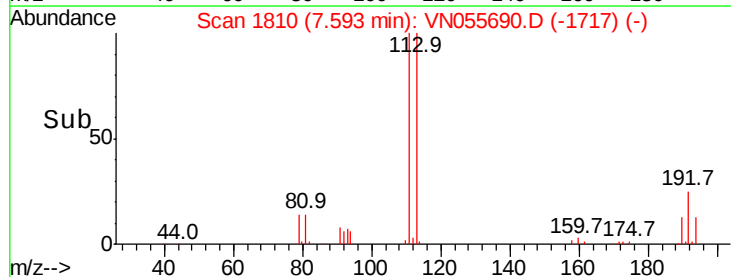
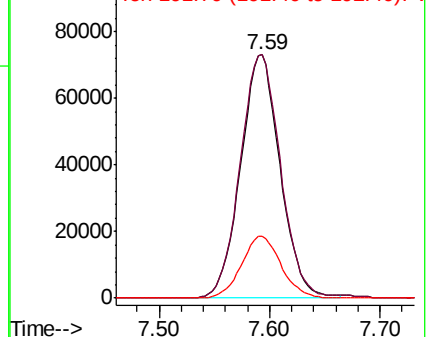
192 25.6 18.7 28.1

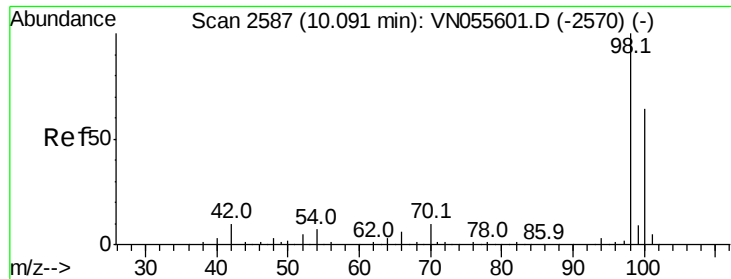


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 47.742 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055690.D

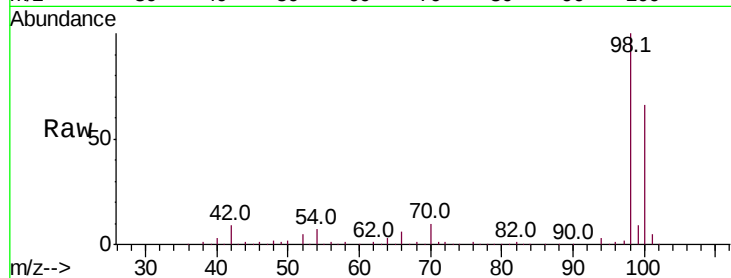
Acq: 20 May 2019 23:56

Tot Ion: 98 Resp: 690652

Ion Ratio Lower Upper

98 100

100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055601.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055690.D (-2494) (-)

10.09

400000

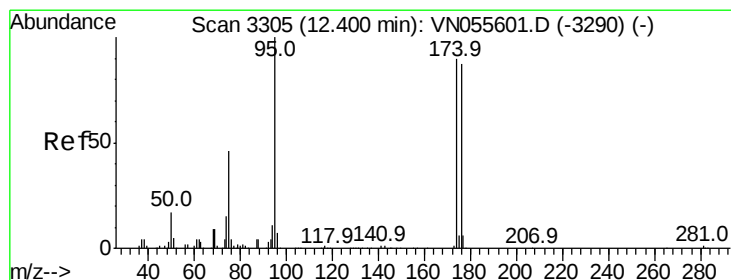
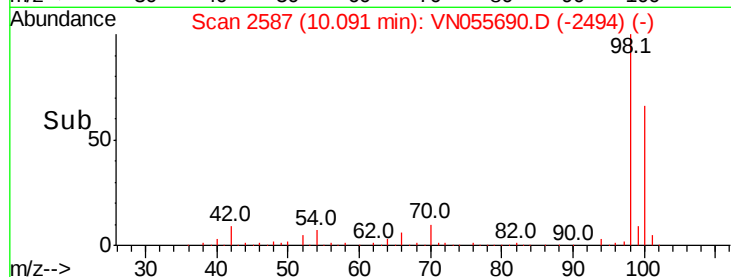
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.483 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055690.D

Acq: 20 May 2019 23:56

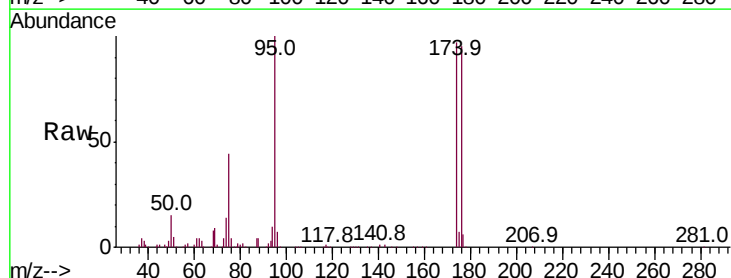
Tgt Ion: 95 Resp: 212219

Ion Ratio Lower Upper

95 100

174 99.1 0.0 180.6

176 96.9 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN055601.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN055690.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055690.D (-3212) (-)

12.40

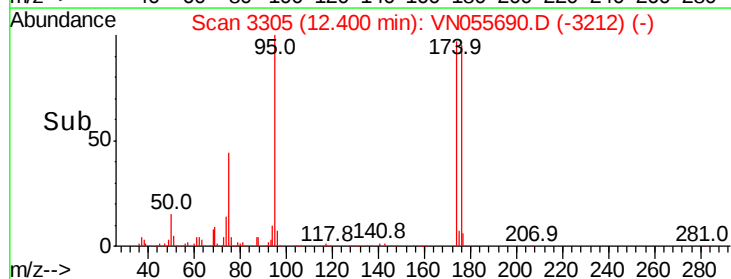
150000

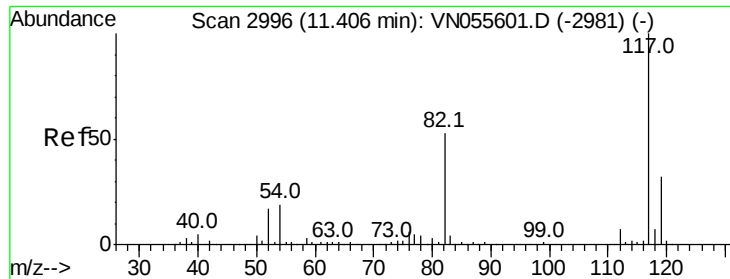
100000

50000

0

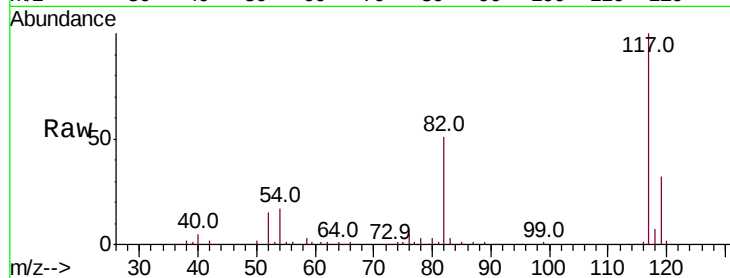
Time-->



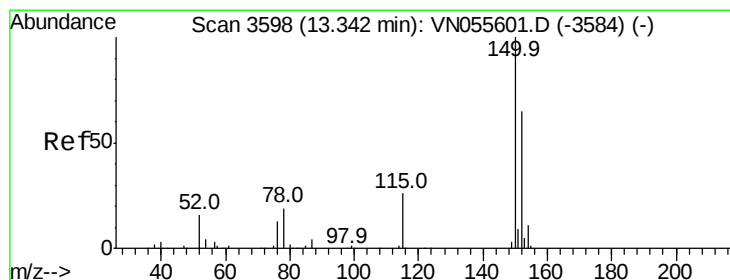
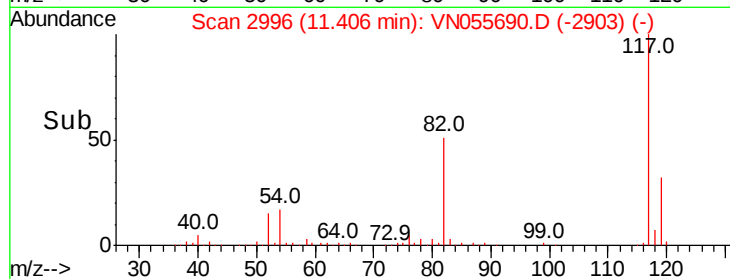
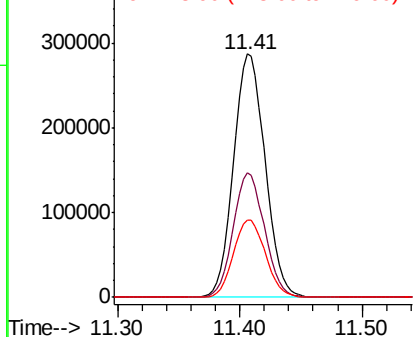


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN055690.D  
Acq: 20 May 2019 23:56

Tot Ion:117 Resp: 514872  
Ion Ratio Lower Upper  
117 100  
82 51.4 42.3 63.5  
119 31.9 25.4 38.2

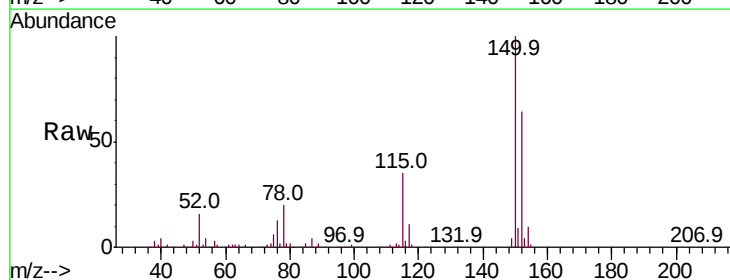


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN055690.D  
Acq: 20 May 2019 23:56

Tgt Ion:152 Resp: 177765  
Ion Ratio Lower Upper  
152 100  
115 53.4 28.1 84.2  
150 156.6 0.0 348.0



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

