

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\  
 Data File : VX013831.D  
 Acq On : 07 Dec 2019 04:17  
 Operator : JC/SP  
 Sample : K6185-16DL 10X  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 49 Sample Multiplier: 1

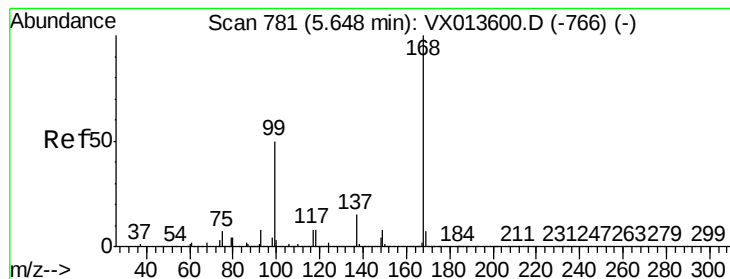
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT101D2-20191205DL

Quant Time: Dec 07 05:56:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112619W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 26 15:53:00 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene         | 5.65  | 168  | 556586   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.85  | 114  | 843607   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.11 | 117  | 760270   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.07 | 152  | 355560   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds   |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.05  | 65   | 306577   | 47.45   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 94.90% |          |
| 35) Dibromofluoromethane      | 5.48  | 113  | 250047   | 47.95   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 95.90% |          |
| 50) Toluene-d8                | 8.71  | 98   | 1005229  | 49.47   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 98.94% |          |
| 62) 4-Bromofluorobenzene      | 11.14 | 95   | 345898   | 47.21   | ug/l   | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 94.42% |          |
| Target Compounds              |       |      |          |         |        |          |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36  | 101  | 14556    | 2.743   | ug/l   | 95       |
| 12) 1,1-Dichloroethene        | 2.36  | 96   | 3944     | 0.745   | ug/l   | 84       |
| 16) Acetone                   | 2.44  | 43   | 7823     | 2.453   | ug/l   | 94       |
| 44) Trichloroethene           | 7.20  | 130  | 728154   | 113.756 | ug/l   | 99       |

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

Instrument :

MSVOA\_X

ClientSampleId :

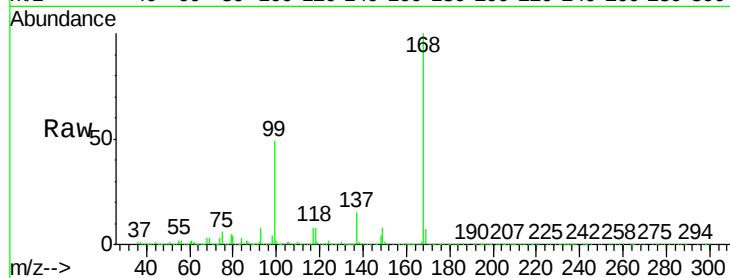
TT101D2-20191205DL

Tot Ion:168 Resp: 556586

Ion Ratio Lower Upper

168 100

99 48.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

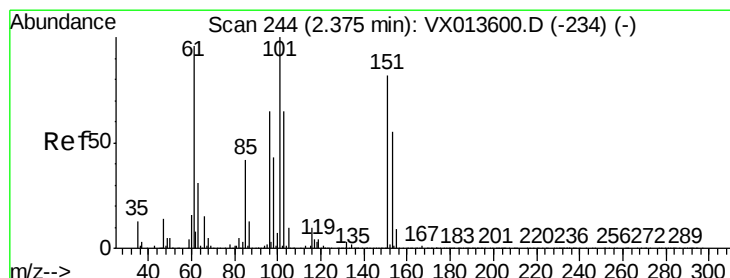
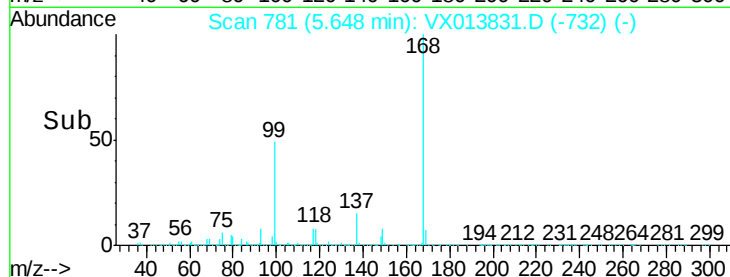
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.743 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.01 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

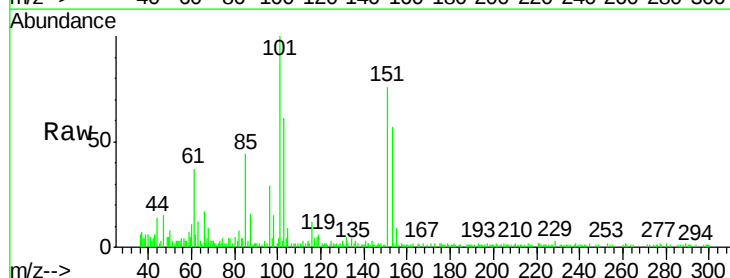
Tgt Ion:101 Resp: 14556

Ion Ratio Lower Upper

101 100

85 44.7 33.9 50.9

151 85.4 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.36

10000

8000

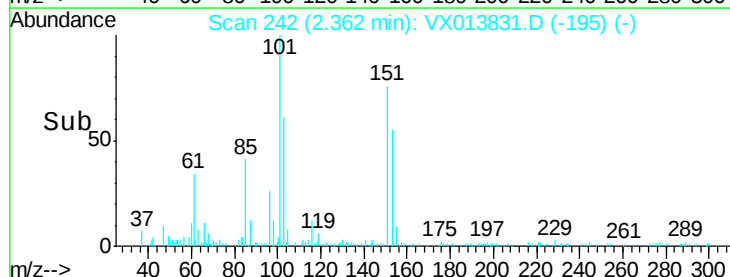
6000

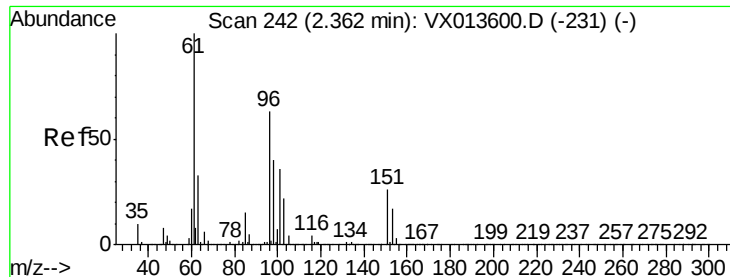
4000

2000

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.745 ug/l

RT: 2.36 min Scan# 241

Delta R.T. -0.01 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20191205DL

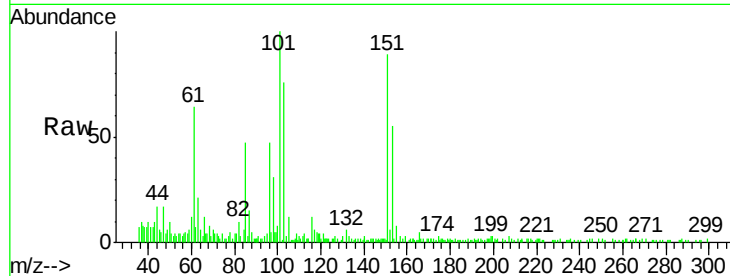
Tot Ion: 96 Resp: 3944

Ion Ratio Lower Upper

96 100

61 130.1 126.6 190.0

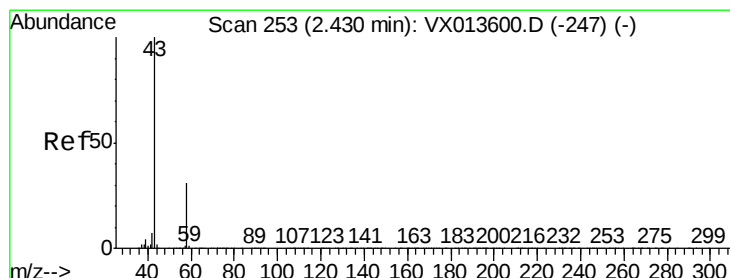
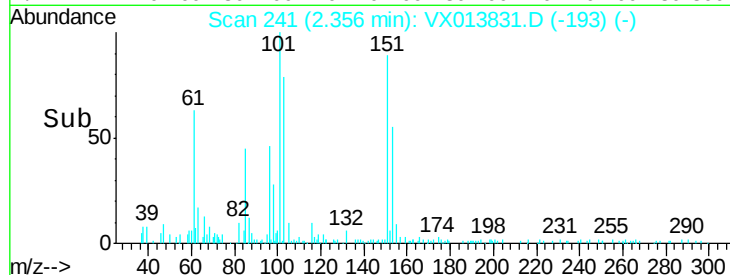
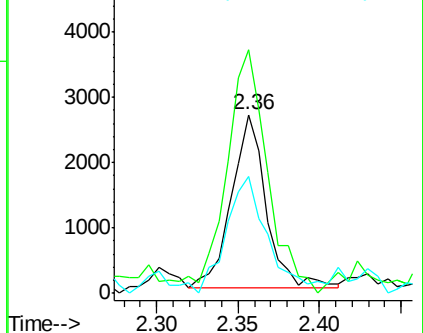
98 61.0 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#16

Acetone

Concen: 2.453 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX013831.D

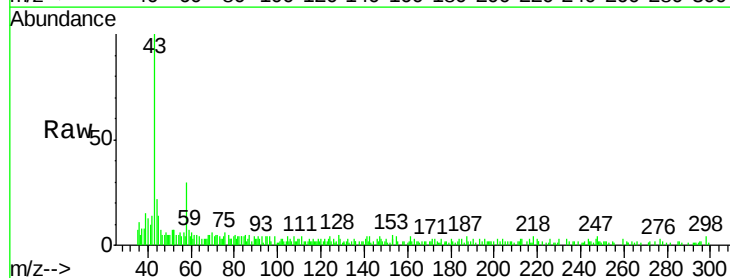
Acq: 07 Dec 2019 04:17

Tgt Ion: 43 Resp: 7823

Ion Ratio Lower Upper

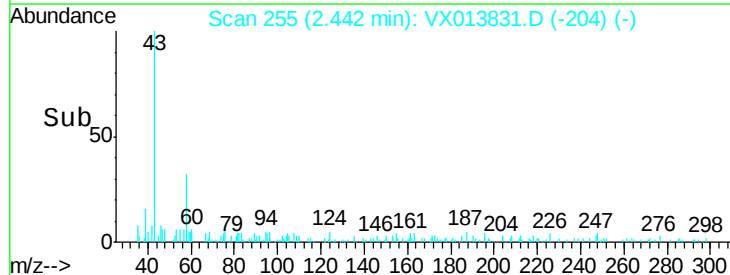
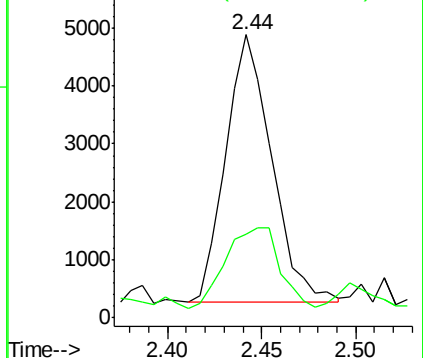
43 100

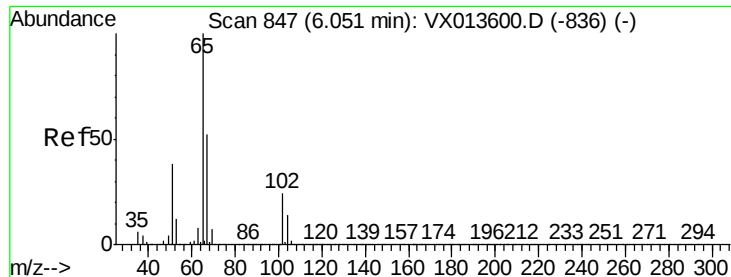
58 27.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.453 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

Instrument :

MSVOA\_X

ClientSampleId :

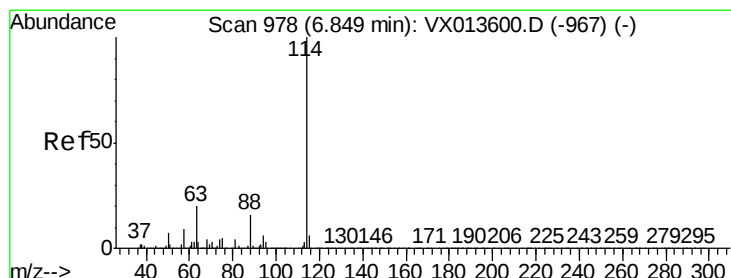
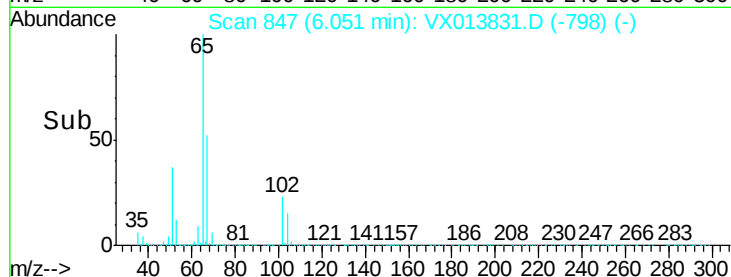
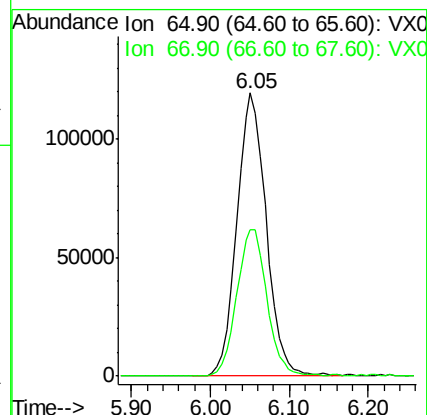
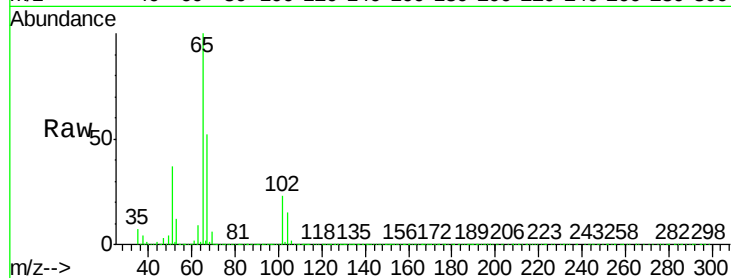
TT101D2-20191205DL

Tot Ion: 65 Resp: 306577

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

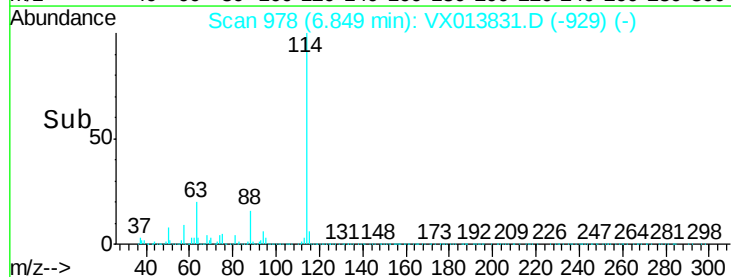
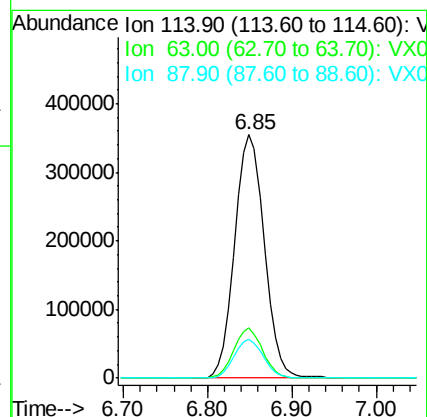
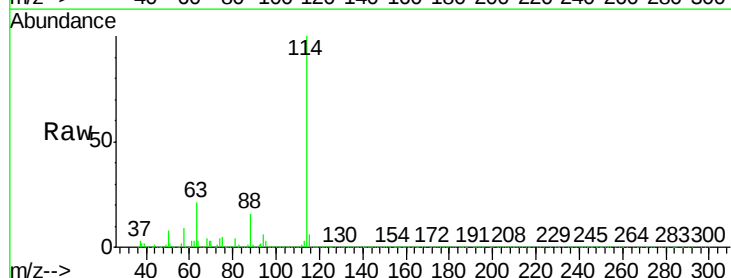
Tgt Ion: 114 Resp: 843607

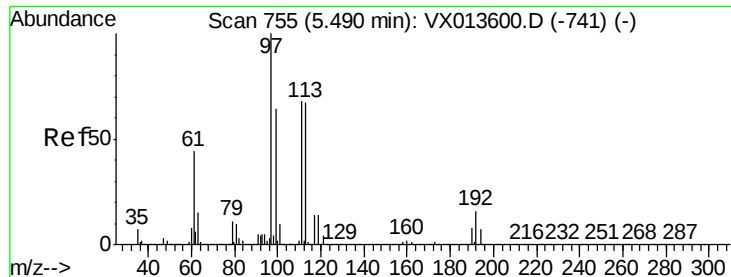
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 16.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.945 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20191205DL

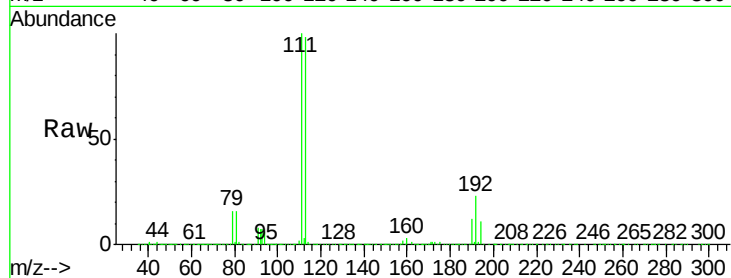
Tot Ion:113 Resp: 250047

Ion Ratio Lower Upper

113 100

111 101.5 83.6 125.4

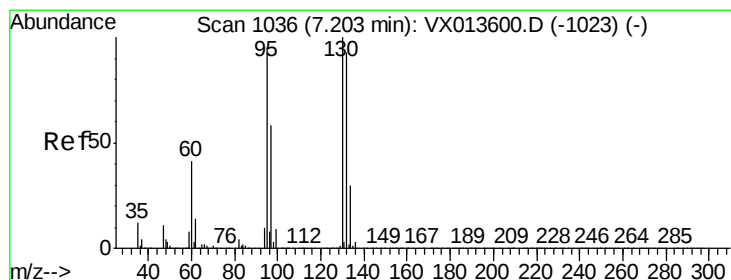
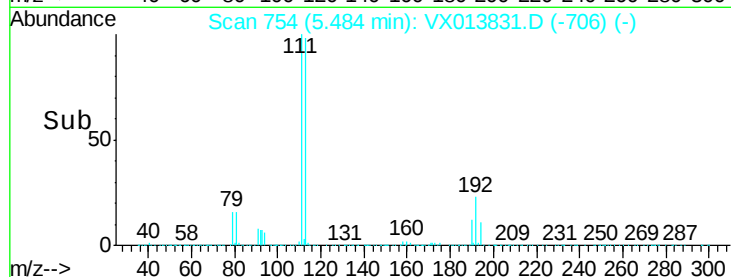
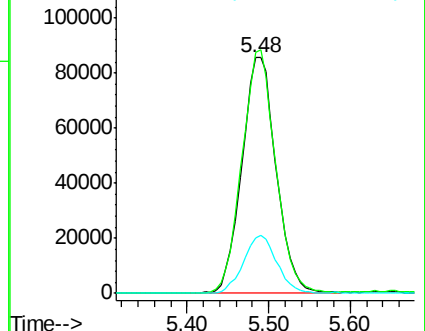
192 24.0 19.2 28.8



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



#44

Trichloroethene

Concen: 113.756 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX013831.D

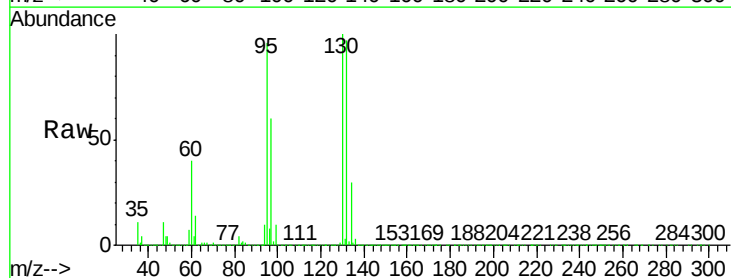
Acq: 07 Dec 2019 04:17

Tgt Ion:130 Resp: 728154

Ion Ratio Lower Upper

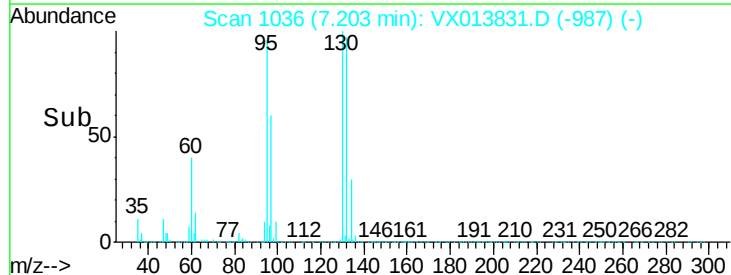
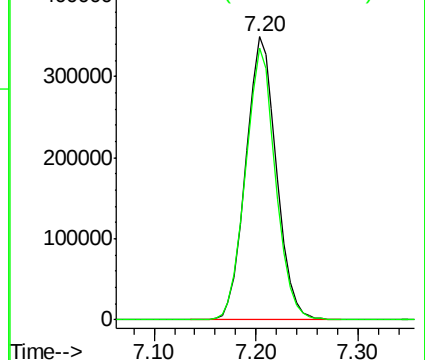
130 100

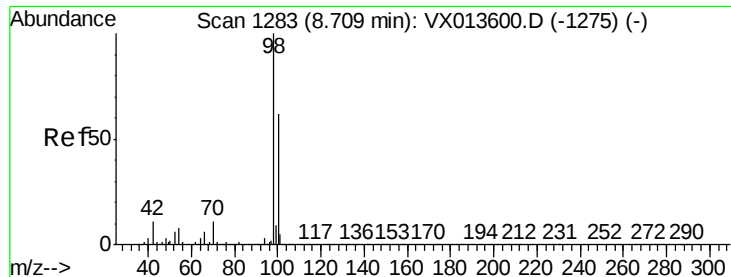
95 96.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.472 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

Instrument :

MSVOA\_X

ClientSampleId :

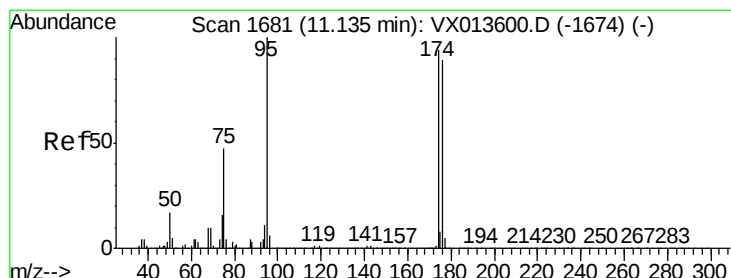
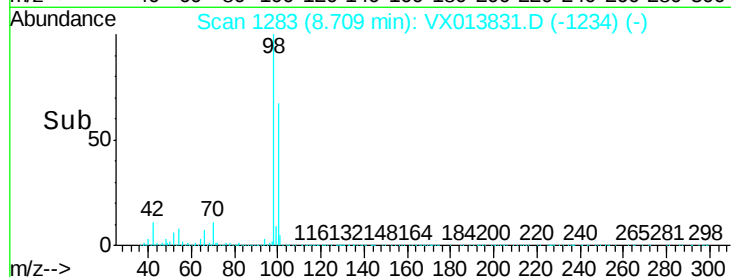
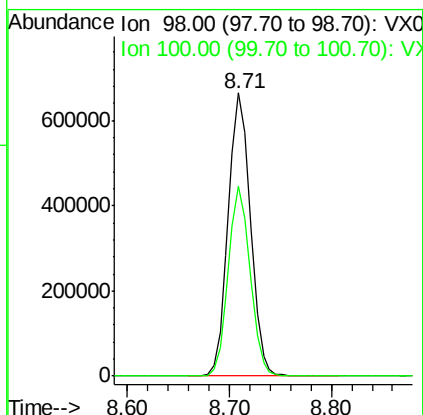
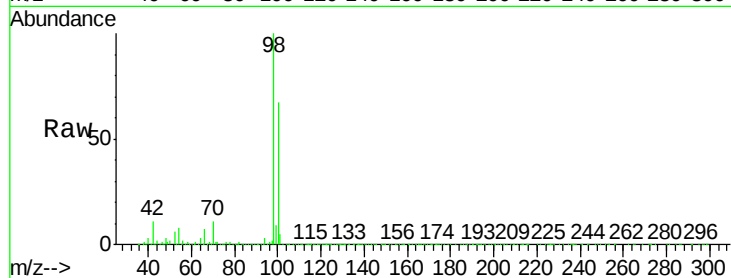
TT101D2-20191205DL

Tot Ion: 98 Resp: 1005229

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 47.207 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

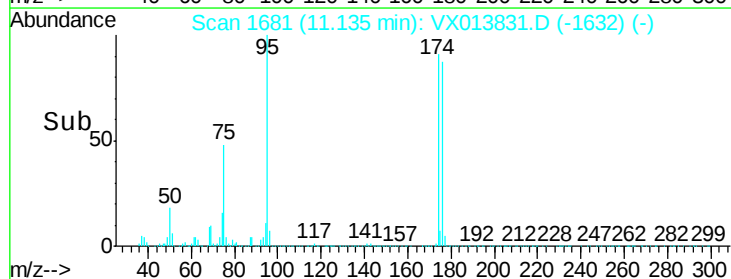
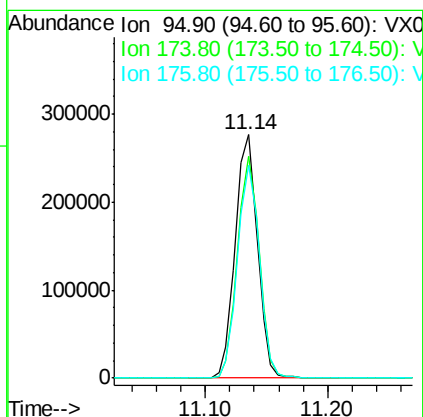
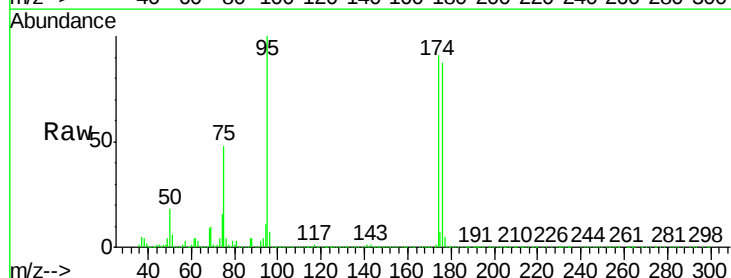
Tgt Ion: 95 Resp: 345898

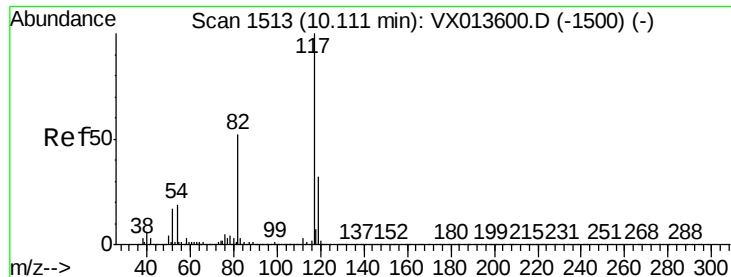
Ion Ratio Lower Upper

95 100

174 89.9 0.0 180.0

176 86.6 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

Instrument :

MSVOA\_X

ClientSampleId :

TT101D2-20191205DL

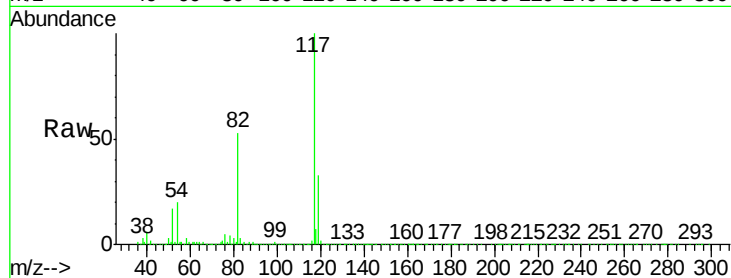
Tot Ion:117 Resp: 760270

Ion Ratio Lower Upper

117 100

82 52.9 41.8 62.8

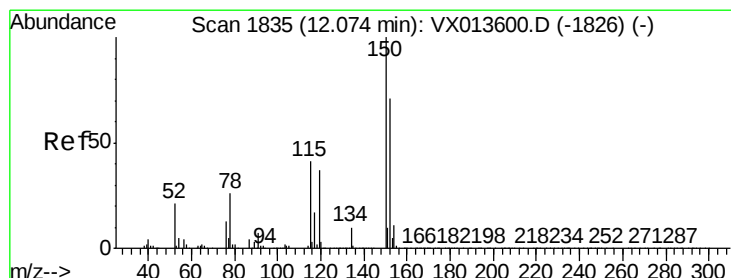
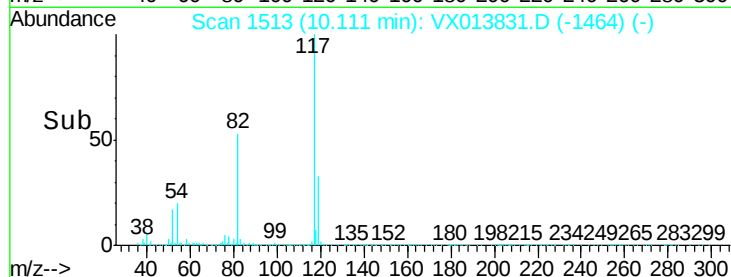
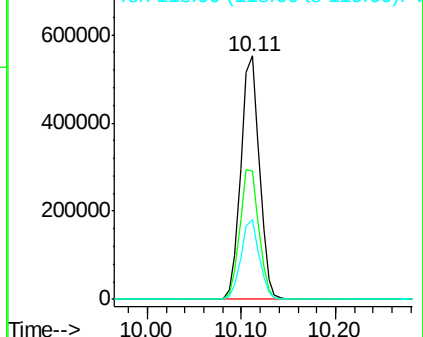
119 32.5 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013831.D

Acq: 07 Dec 2019 04:17

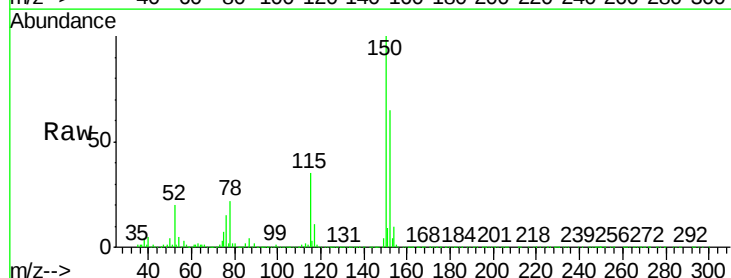
Tgt Ion:152 Resp: 355560

Ion Ratio Lower Upper

152 100

115 54.2 38.4 115.1

150 154.1 0.0 346.8



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

