

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\  
 Data File : VX013616.D  
 Acq On : 26 Nov 2019 22:49  
 Operator : JC/SP  
 Sample : VX1126WBL02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBL02

Quant Time: Nov 27 04:40:58 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  | 685141   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 1093989  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 979928   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 449945   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 394999   | 49.67 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.34% |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 326117   | 48.22 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.44% |      |
| 50) Toluene-d8              | 8.71   | 98  | 1309613  | 49.70 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.40% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 443119   | 46.63 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.26% |      |

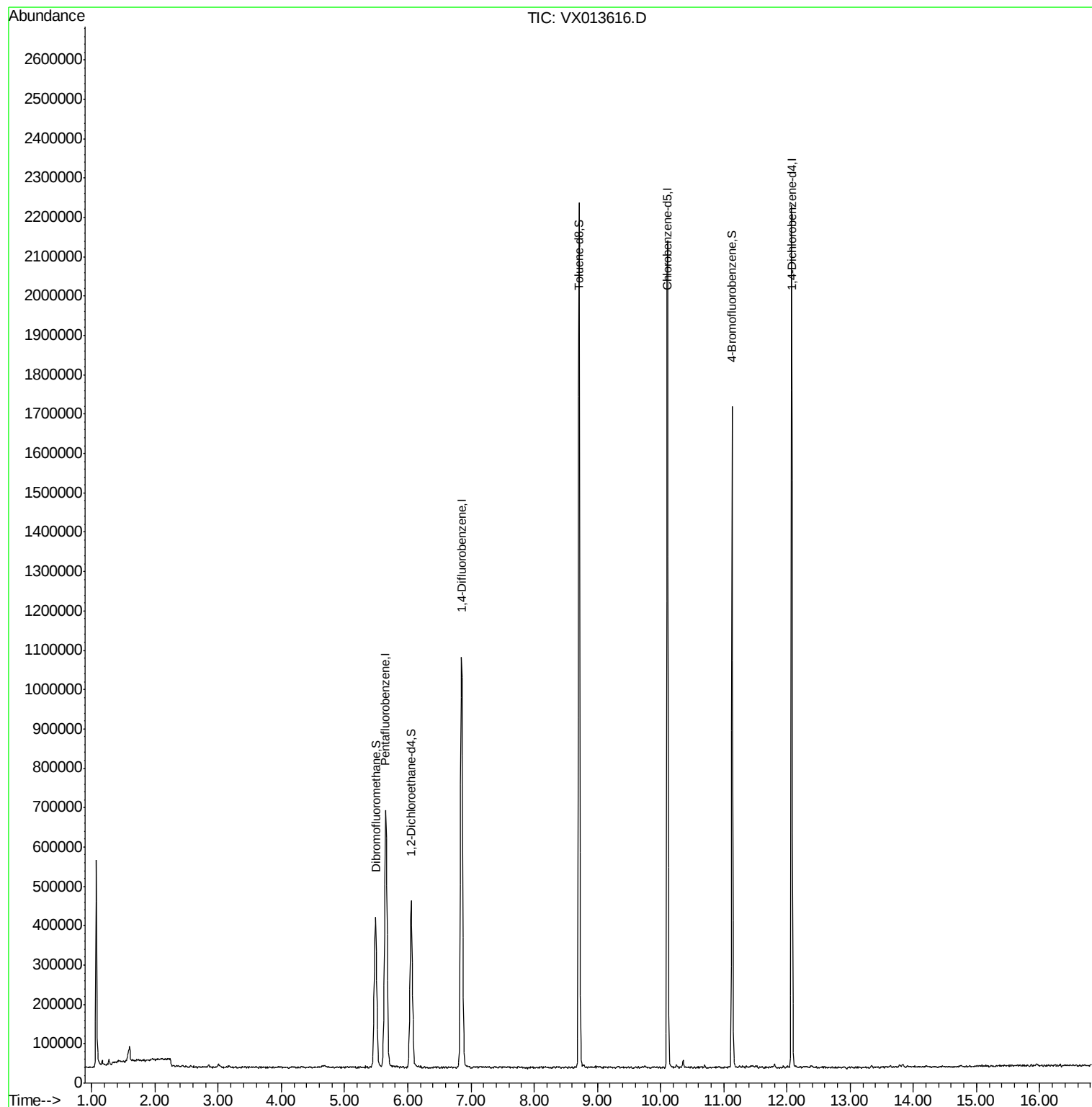
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

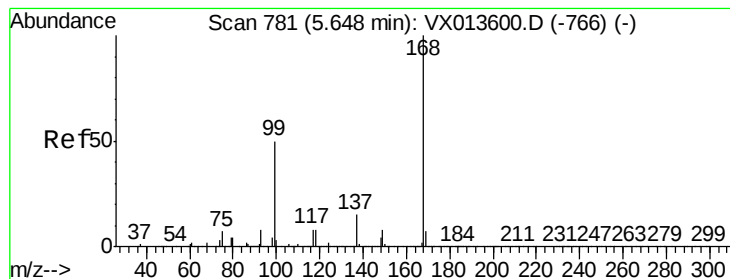
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Nov 26 15:53:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA\_X

ClientSampleId :

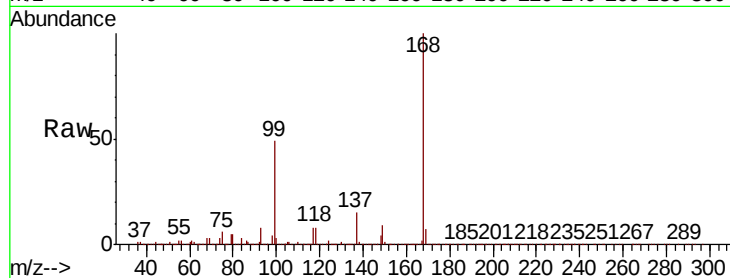
VX1126WBL02

Tot Ion:168 Resp: 685141

Ion Ratio Lower Upper

168 100

99 49.3 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

250000

200000

150000

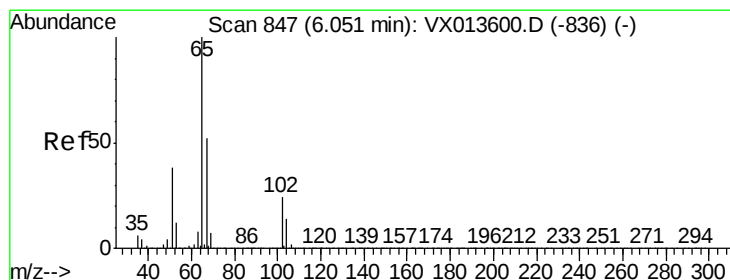
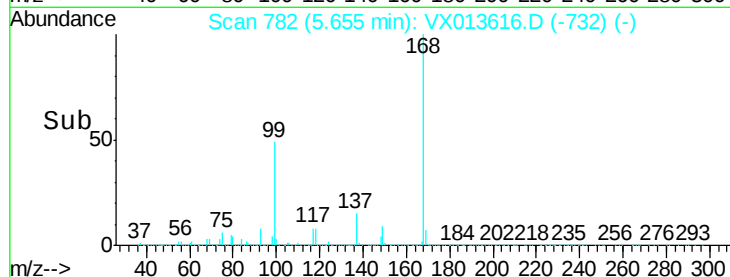
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.667 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013616.D

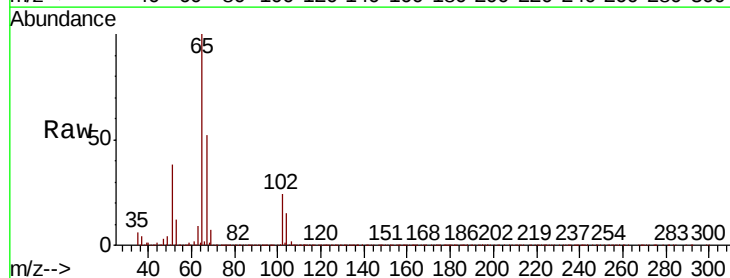
Acq: 26 Nov 2019 22:49

Tgt Ion: 65 Resp: 394999

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

150000

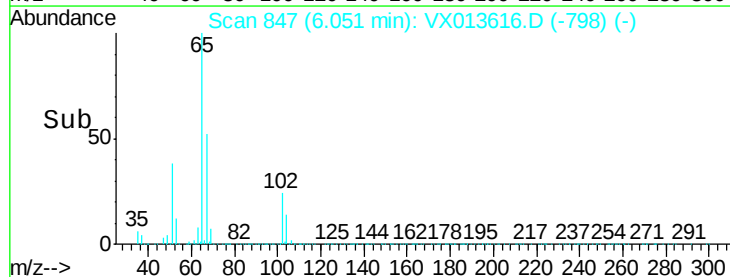
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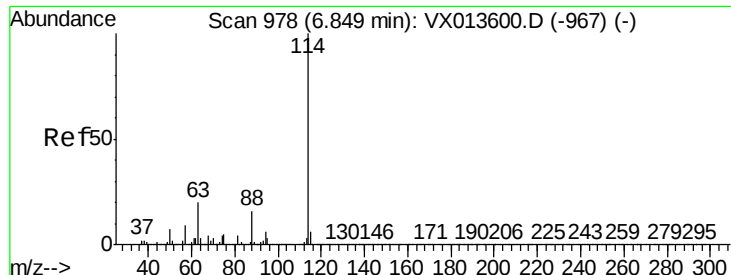
50000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBL02

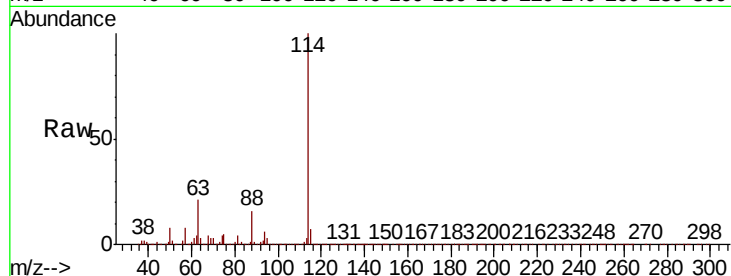
Tot Ion:114 Resp: 1093989

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.6

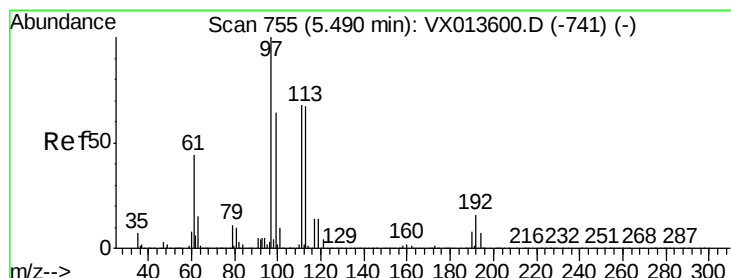
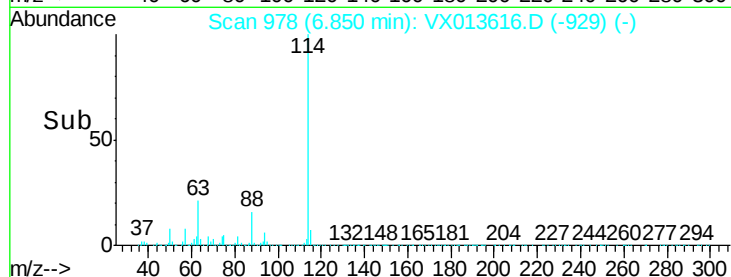
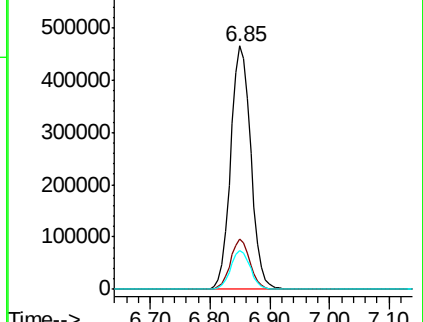
88 15.7 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.220 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

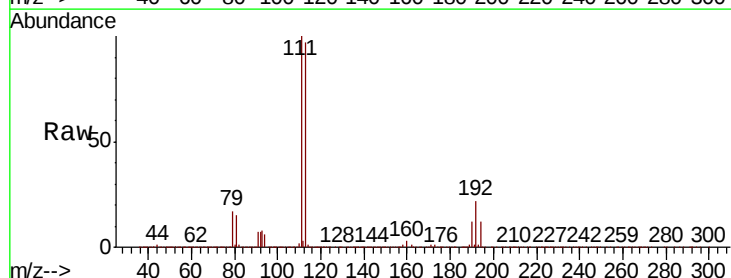
Tgt Ion:113 Resp: 326117

Ion Ratio Lower Upper

113 100

111 103.2 83.6 125.4

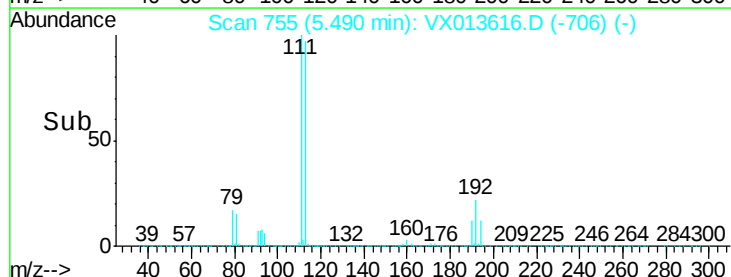
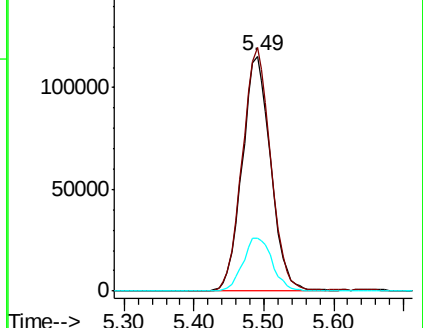
192 23.7 19.2 28.8

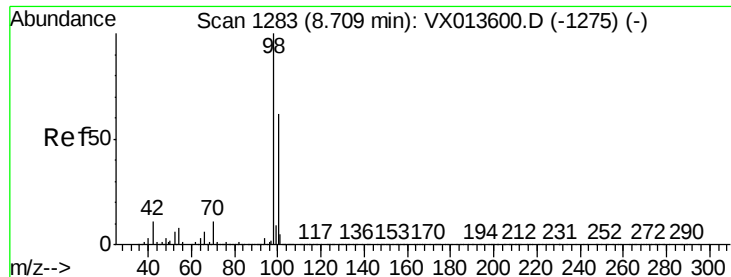


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.700 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA\_X

ClientSampleId :

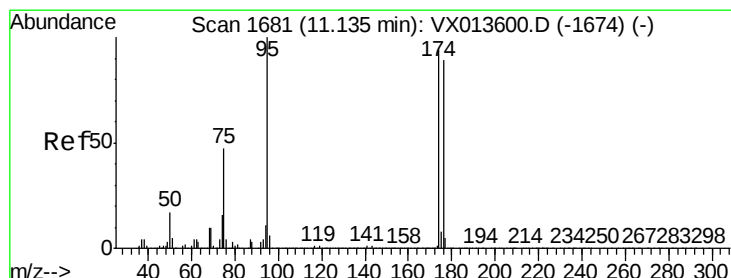
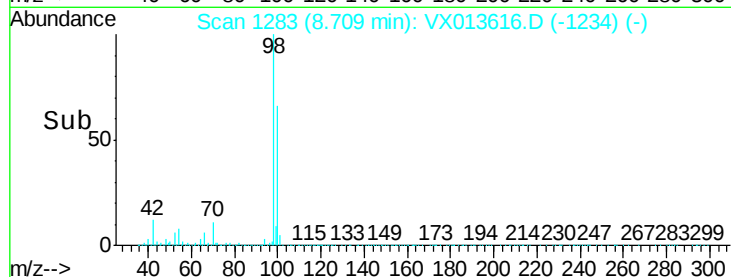
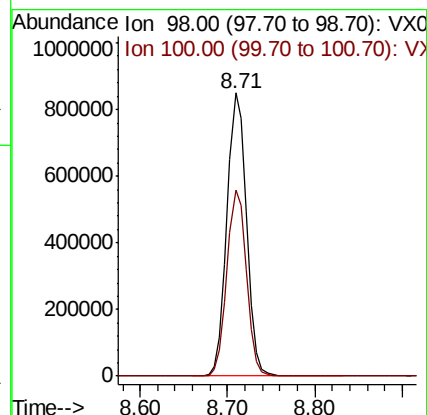
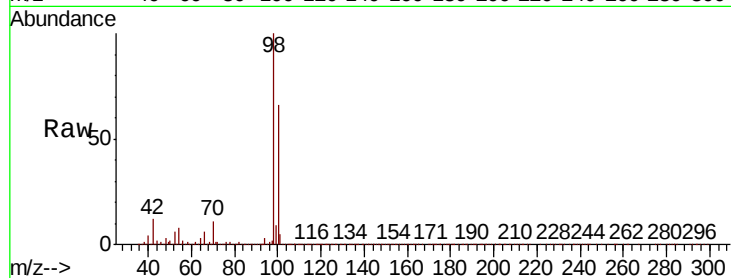
VX1126WBL02

Tot Ion: 98 Resp: 1309613

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 46.635 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013616.D

Acq: 26 Nov 2019 22:49

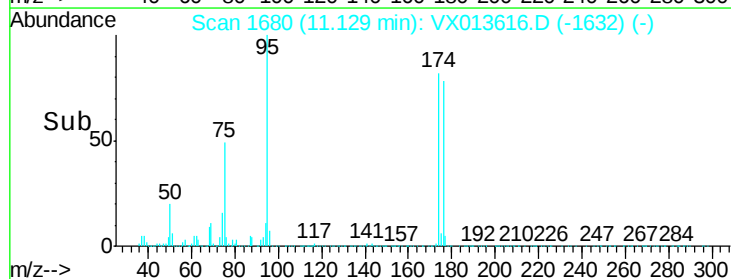
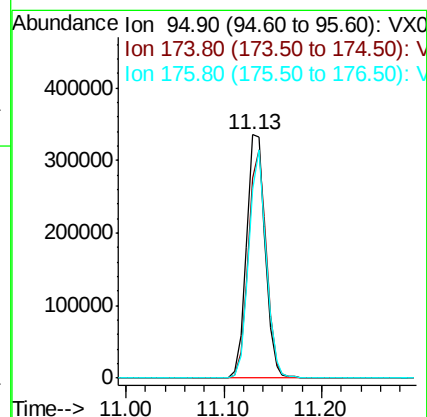
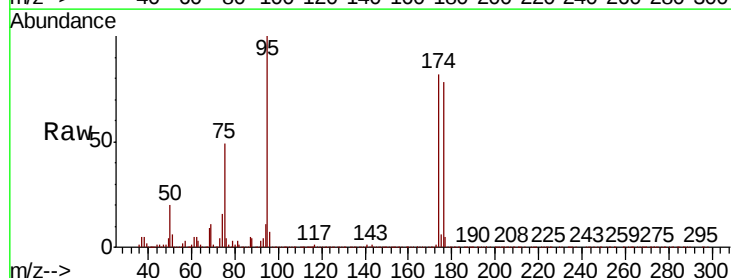
Tgt Ion: 95 Resp: 443119

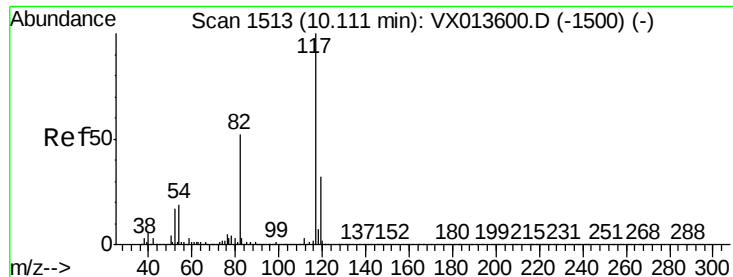
Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.0

176 87.7 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: VX013616.D

Acq: 26 Nov 2019 22:49

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBL02

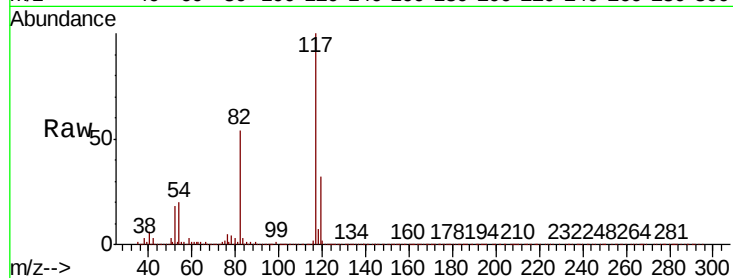
Tot Ion:117 Resp: 979928

Ion Ratio Lower Upper

117 100

82 53.8 41.8 62.8

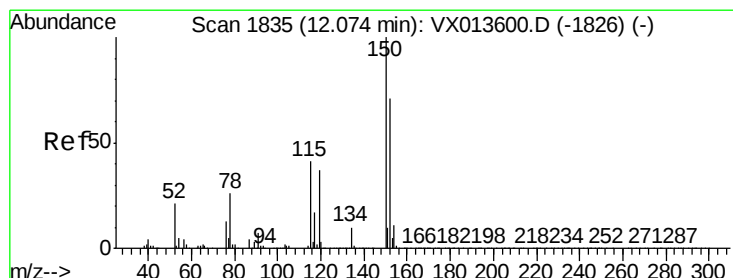
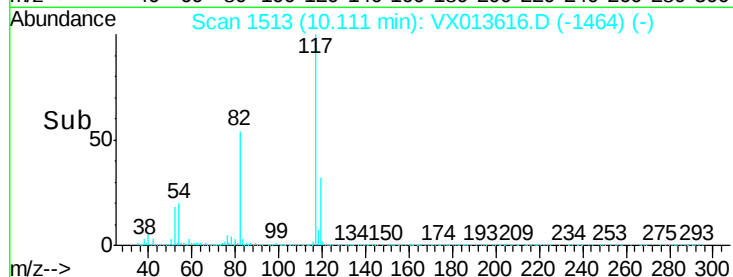
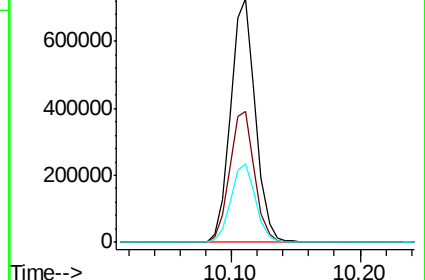
119 32.2 25.8 38.8



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: VX013616.D

Acq: 26 Nov 2019 22:49

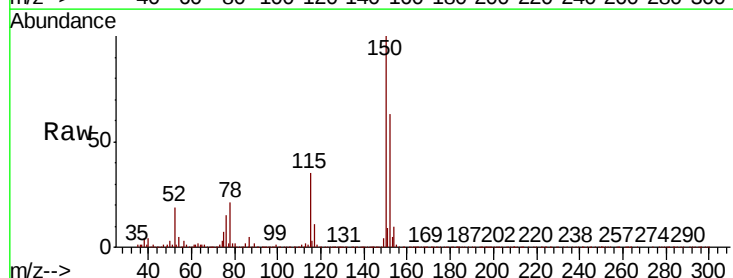
Tgt Ion:152 Resp: 449945

Ion Ratio Lower Upper

152 100

115 55.0 38.4 115.1

150 158.0 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

