

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013671.D
 Acq On : 27 Nov 2019 23:37
 Operator : JC/SP
 Sample : K6008-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20191121

Quant Time: Nov 28 04:56:55 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	662280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1032175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	929475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	411849	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	379004	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
35) Dibromofluoromethane	5.48	113	306890	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
50) Toluene-d8	8.71	98	1227183	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.14	95	411630	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.84%	

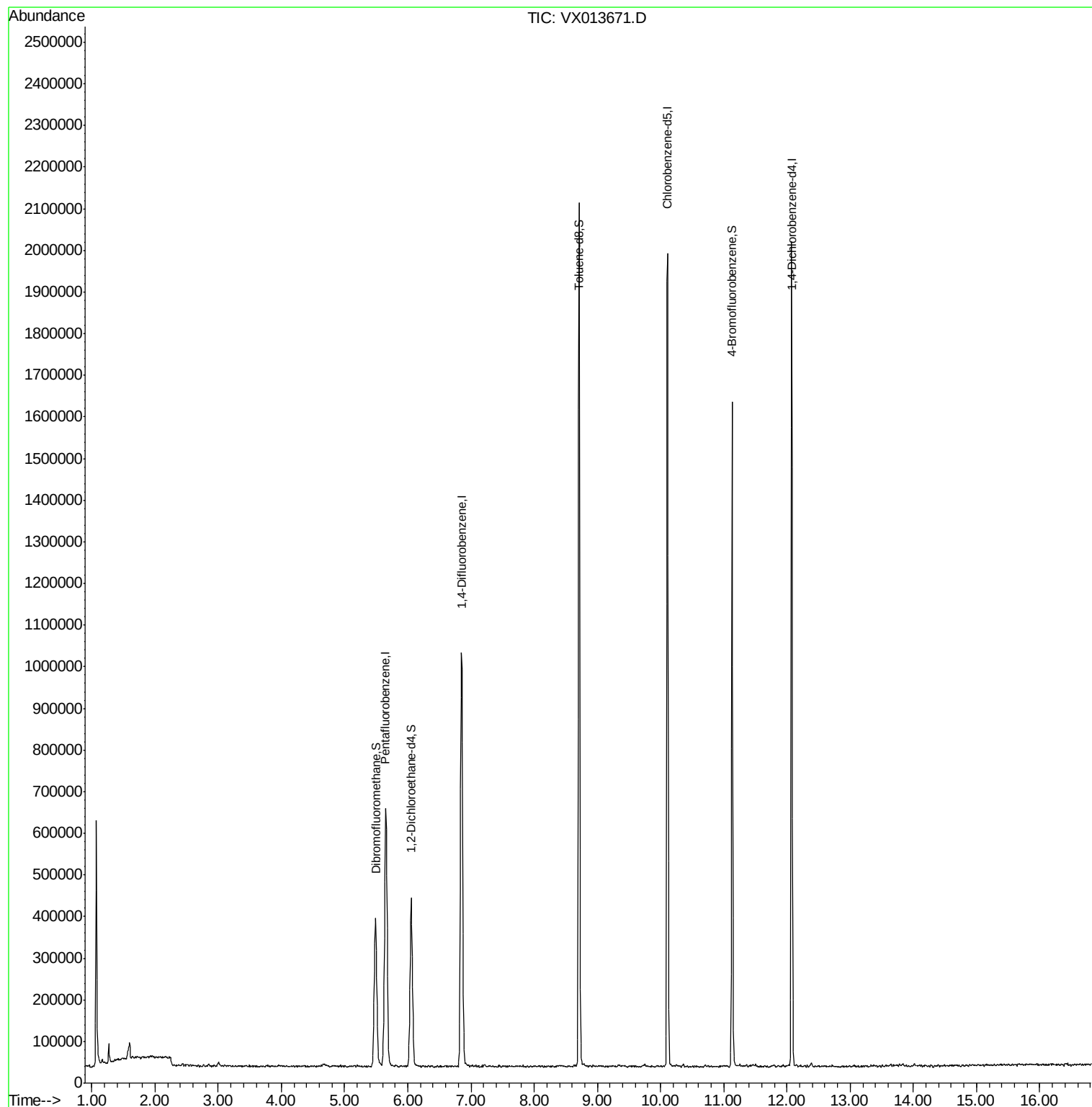
Target Compounds	Qvalue
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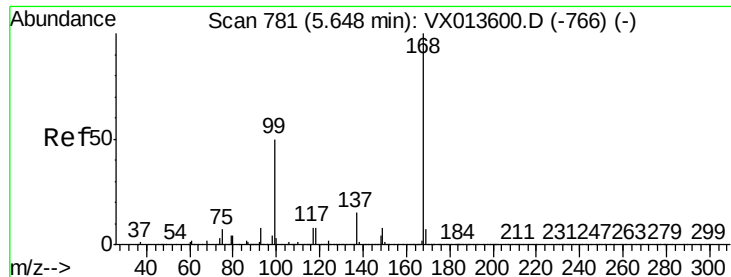
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013671.D

Acq: 27 Nov 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

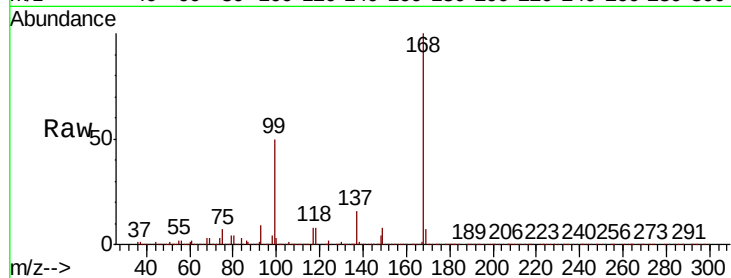
TB-20191121

Tot Ion:168 Resp: 662280

Ion Ratio Lower Upper

168 100

99 49.7 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

250000

200000

150000

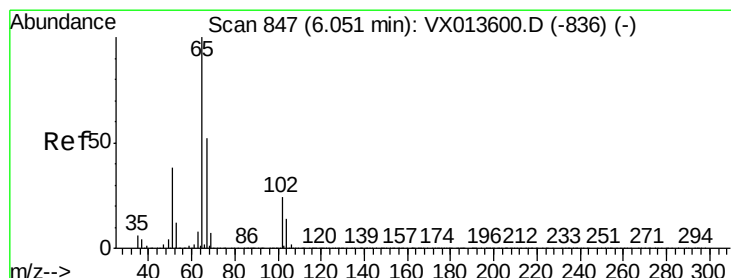
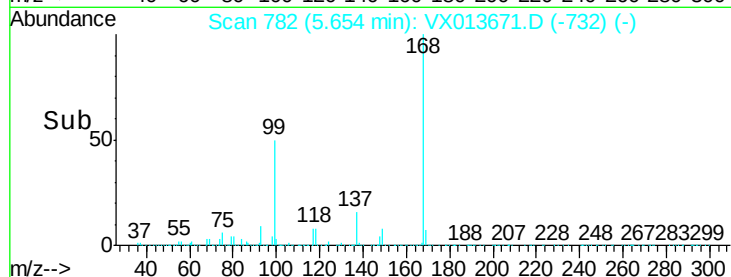
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.301 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013671.D

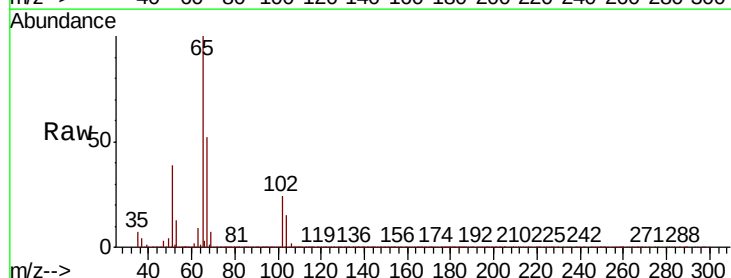
Acq: 27 Nov 2019 23:37

Tgt Ion: 65 Resp: 379004

Ion Ratio Lower Upper

65 100

67 52.3 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

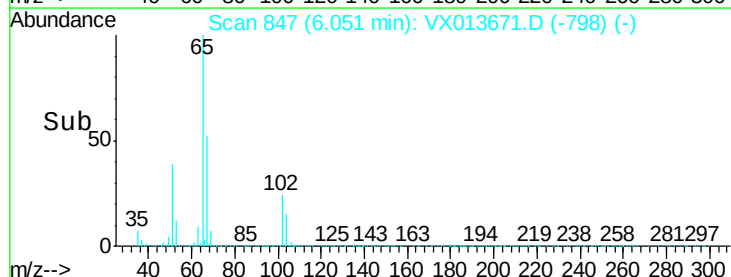
100000

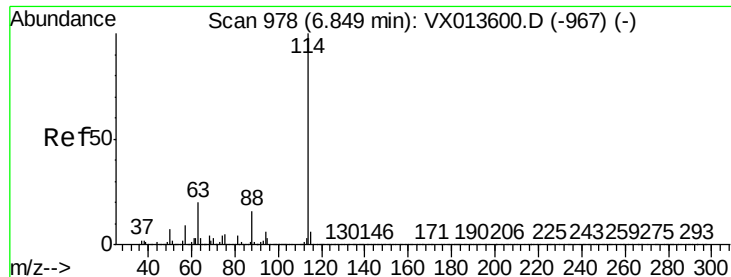
50000

0

Time-->

5.90 6.00 6.10 6.20

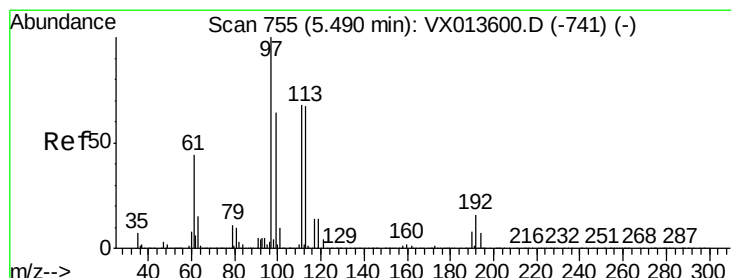
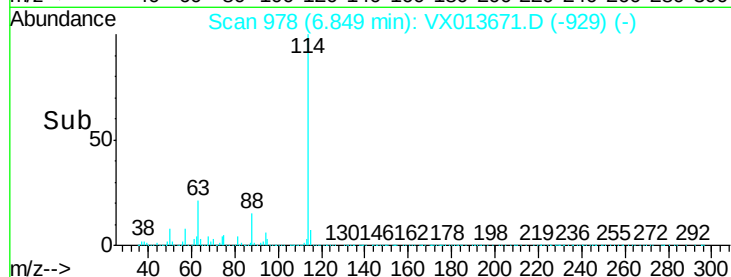
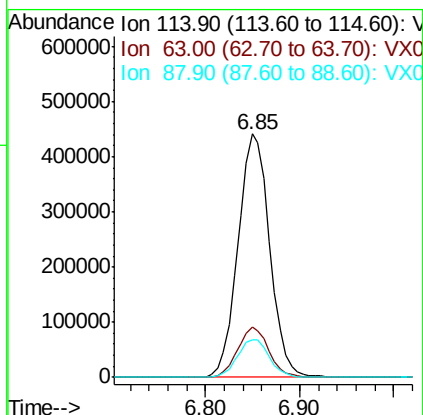
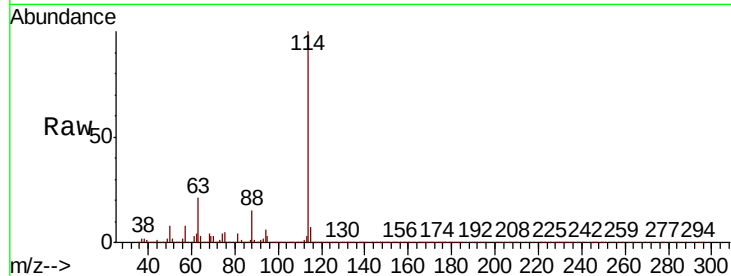




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013671.D
 Acq: 27 Nov 2019 23:37

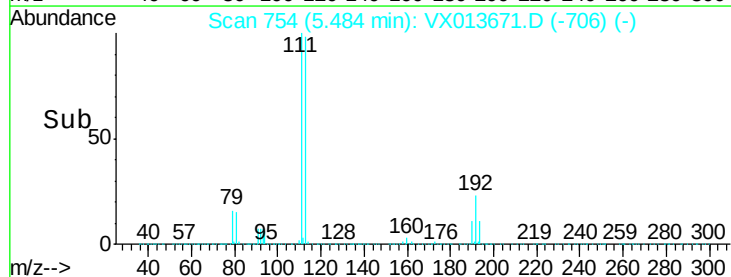
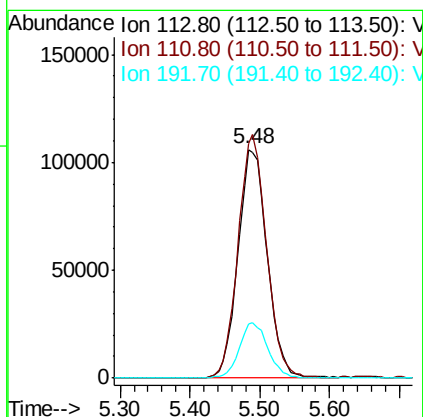
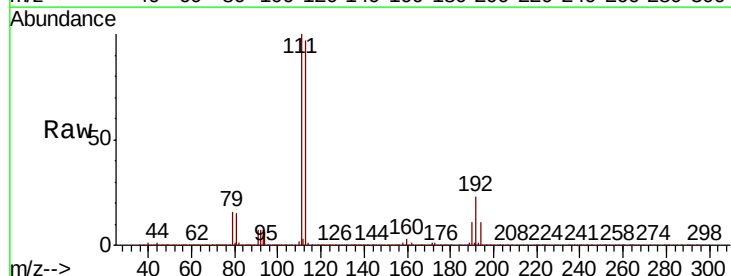
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20191121

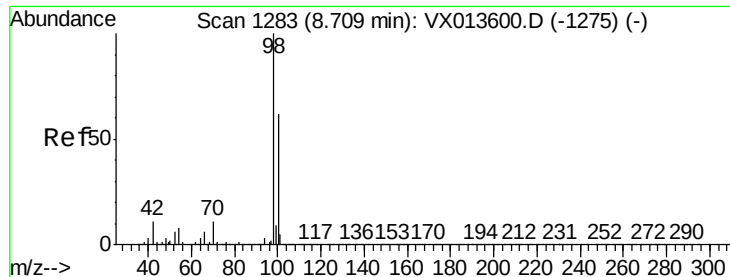
Tot Ion:114 Resp: 1032175
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.6
 88 15.4 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 48.094 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX013671.D
 Acq: 27 Nov 2019 23:37

Tgt Ion:113 Resp: 306890
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.6 125.4
 192 23.7 19.2 28.8





#50

Toluene-d8

Concen: 49.361 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013671.D

Acq: 27 Nov 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

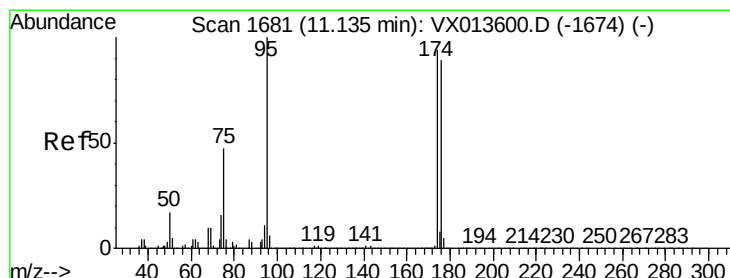
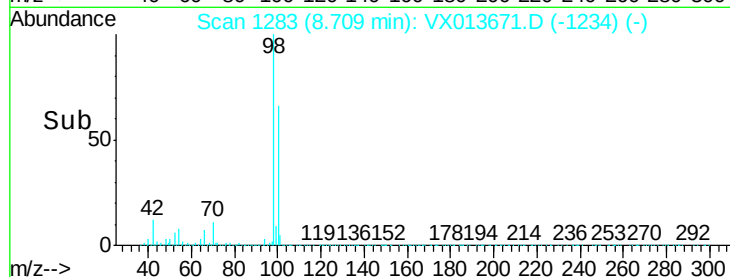
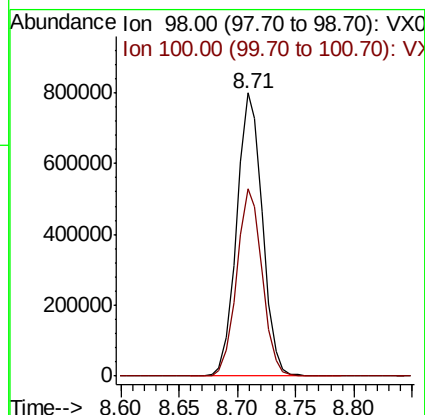
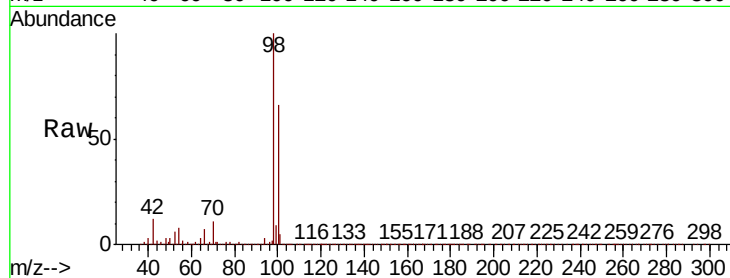
TB-20191121

Tot Ion: 98 Resp: 1227183

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.915 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013671.D

Acq: 27 Nov 2019 23:37

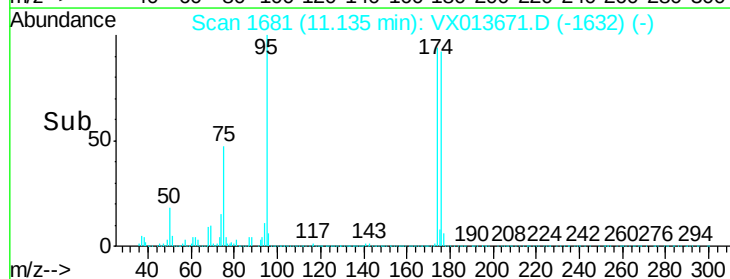
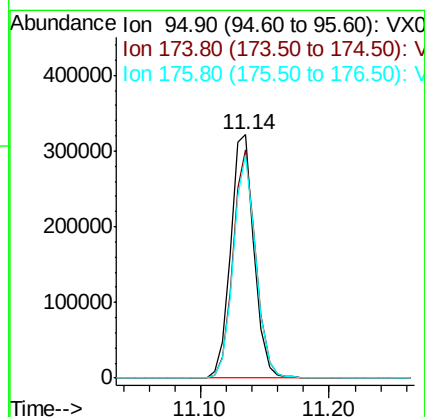
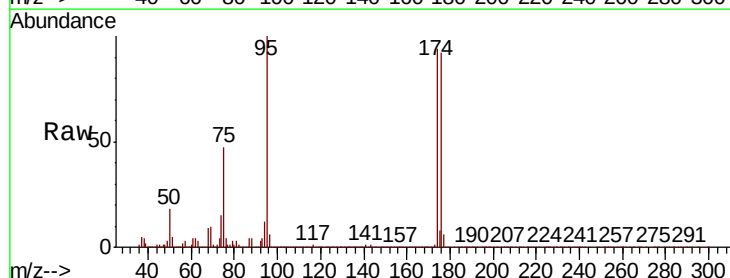
Tgt Ion: 95 Resp: 411630

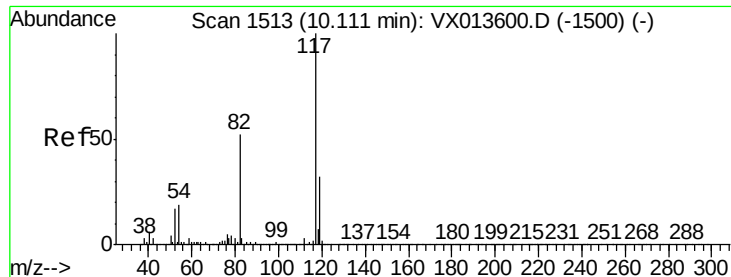
Ion Ratio Lower Upper

95 100

174 90.0 0.0 180.0

176 87.9 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: VX013671.D

Acq: 27 Nov 2019 23:37

Instrument :

MSVOA_X

ClientSampleId :

TB-20191121

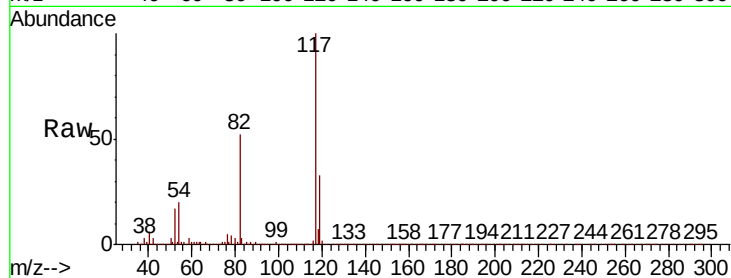
Tot Ion:117 Resp: 929475

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.8

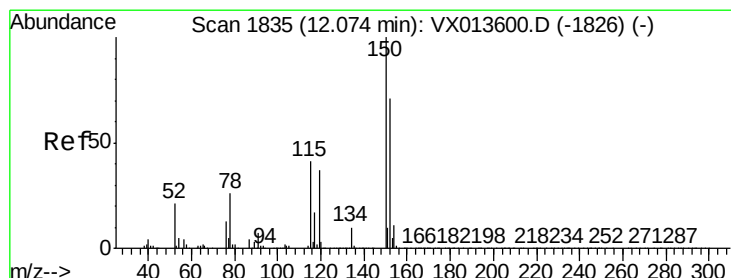
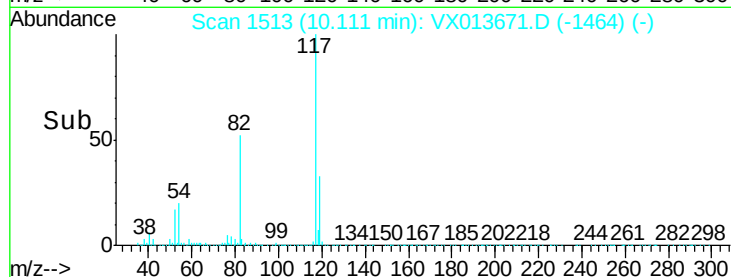
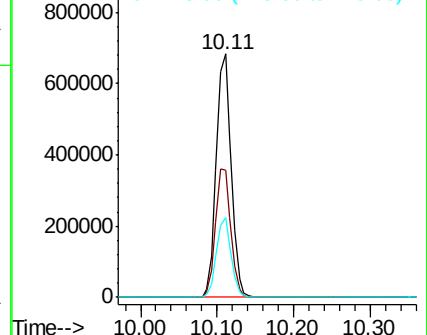
119 32.6 25.8 38.8



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: VX013671.D

Acq: 27 Nov 2019 23:37

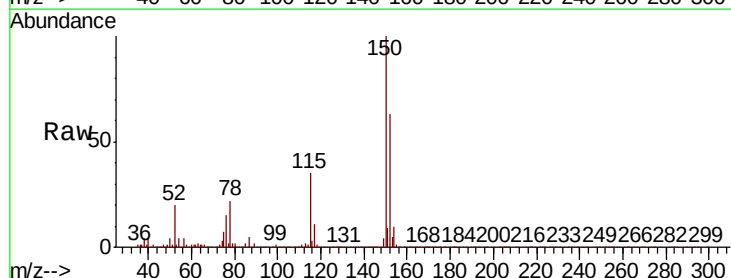
Tgt Ion:152 Resp: 411849

Ion Ratio Lower Upper

152 100

115 55.5 38.4 115.1

150 158.8 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

