

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090619\
 Data File : VX012155.D
 Acq On : 06 Sep 2019 18:28
 Operator : SY/SP
 Sample : K4601-12
 Misc : 4.87g/5.0mL/MSVOA X/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F2-(0)

Quant Time: Sep 07 02:18:54 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

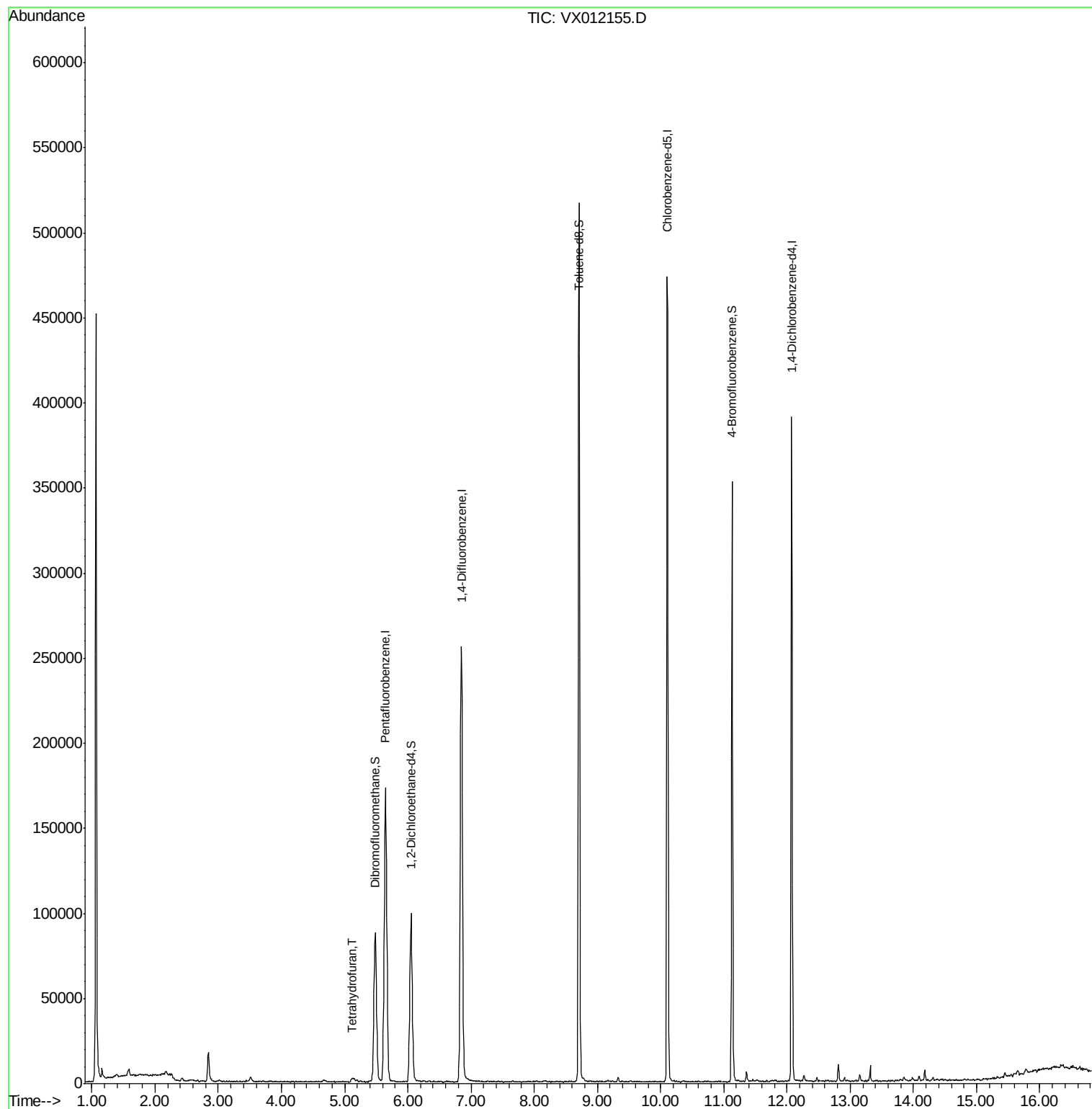
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	143189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	246125	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	202540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	71726	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	99075	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
35) Dibromofluoromethane	5.48	113	74372	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
50) Toluene-d8	8.71	98	284436	51.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	11.14	95	101657	39.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	78.72%	
Target Compounds						
29) Tetrahydrofuran	5.12	42	2908	8.029	ug/l	Qvalue 92

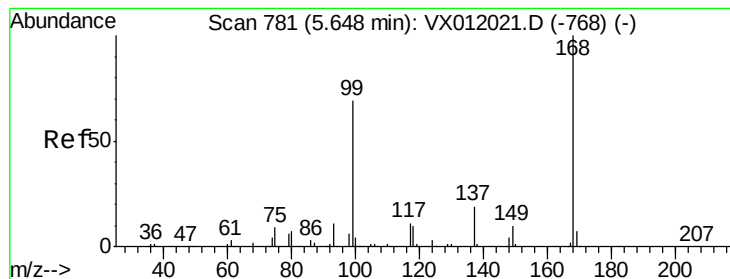
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012155.D

Acq: 06 Sep 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

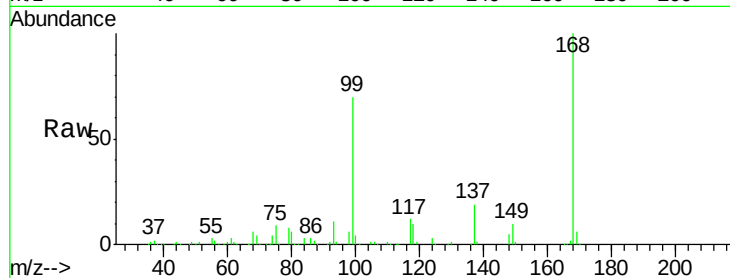
T12-F2-(0)

Tot Ion:168 Resp: 143189

Ion Ratio Lower Upper

168 100

99 69.9 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

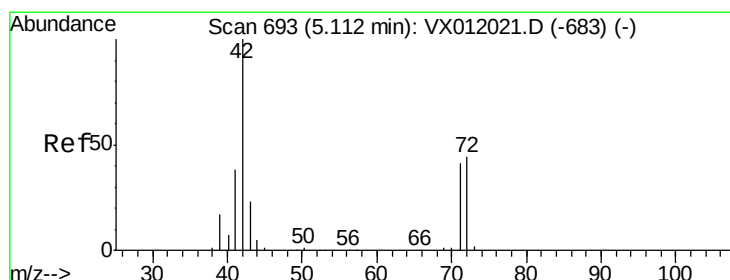
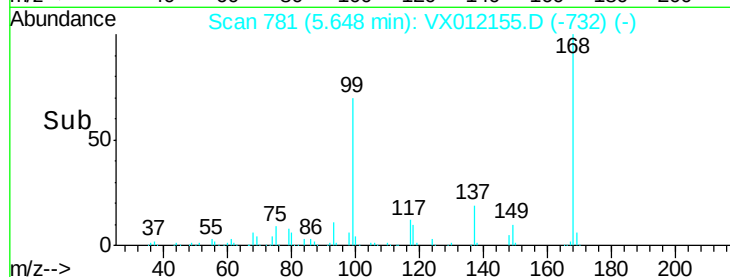
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#29

Tetrahydrofuran

Concen: 8.029 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012155.D

Acq: 06 Sep 2019 18:28

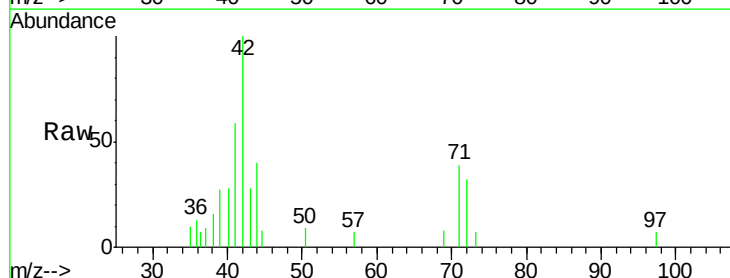
Tgt Ion: 42 Resp: 2908

Ion Ratio Lower Upper

42 100

72 41.2 37.0 55.4

71 36.8 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

1000

800

600

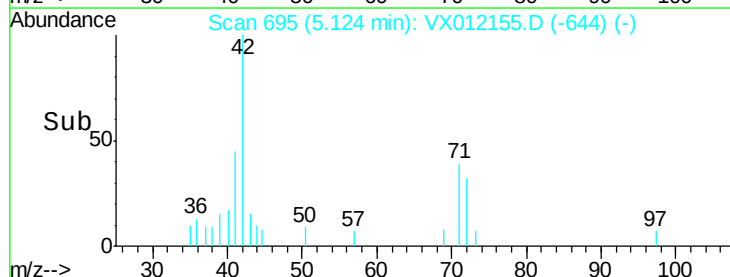
400

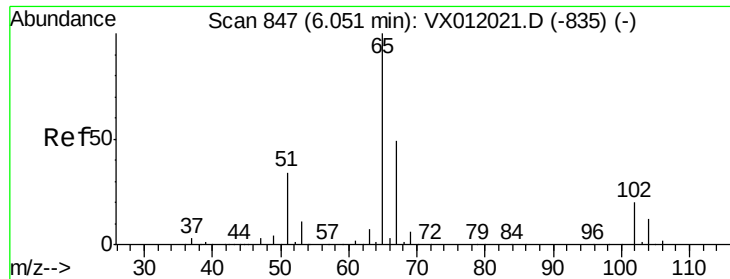
200

0

Time-->

5.00 5.10 5.20

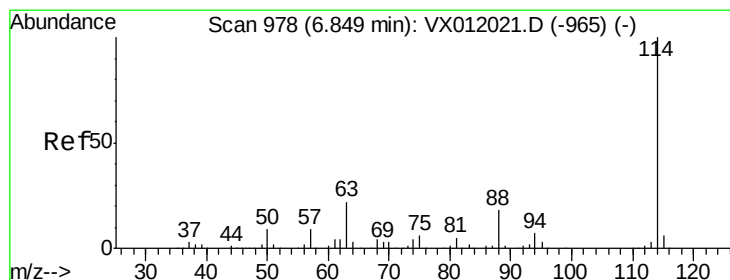
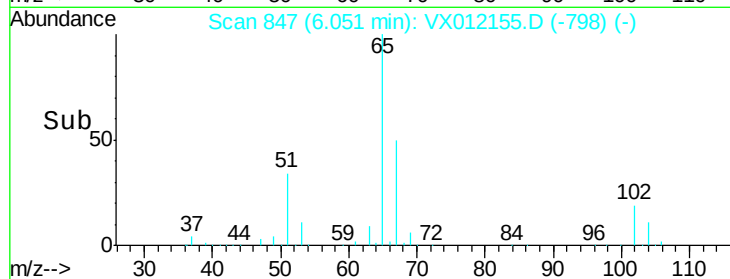
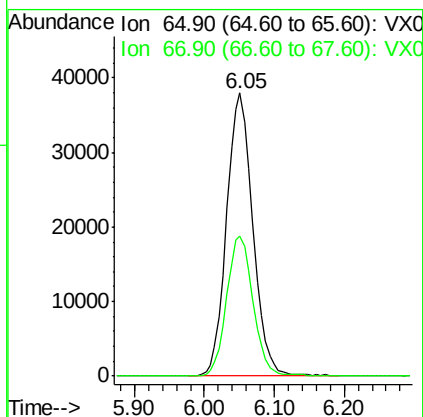
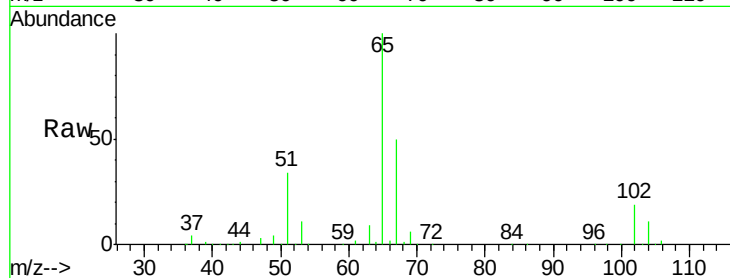




#33
 1,2-Dichloroethane-d4
 Concen: 50.146 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012155.D
 Acq: 06 Sep 2019 18:28

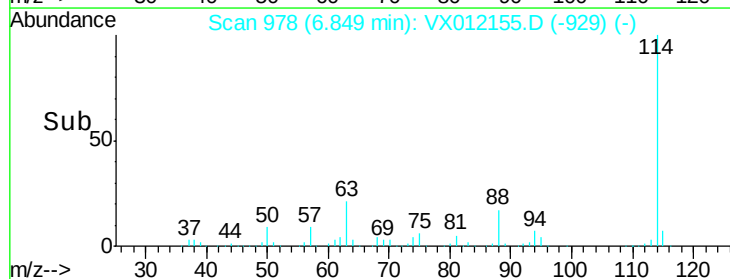
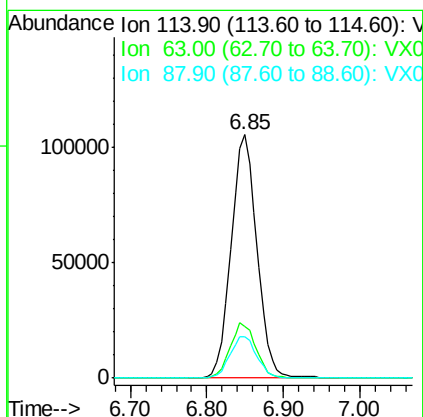
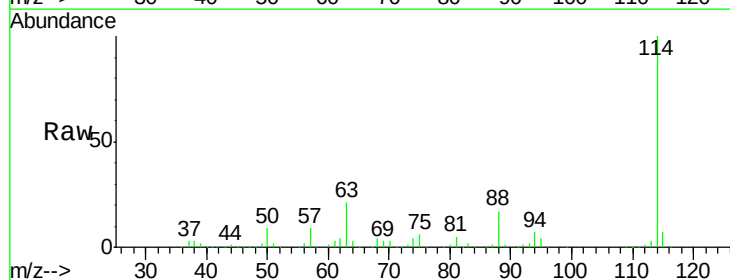
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F2-(0)

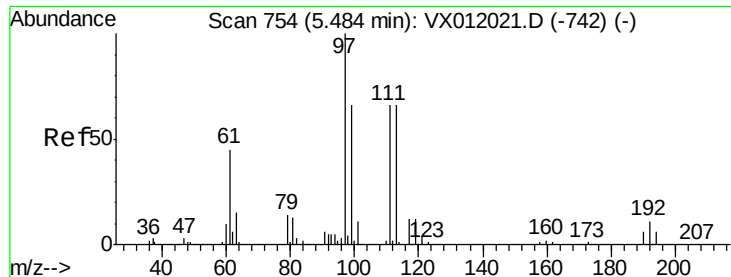
Tot Ion: 65 Resp: 99075
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012155.D
 Acq: 06 Sep 2019 18:28

Tgt Ion: 114 Resp: 246125
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 37.4
 88 17.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.136 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012155.D

Acq: 06 Sep 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

T12-F2-(0)

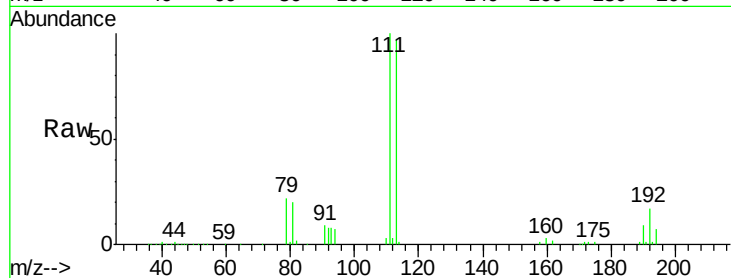
Tot Ion:113 Resp: 74372

Ion Ratio Lower Upper

113 100

111 102.5 81.7 122.5

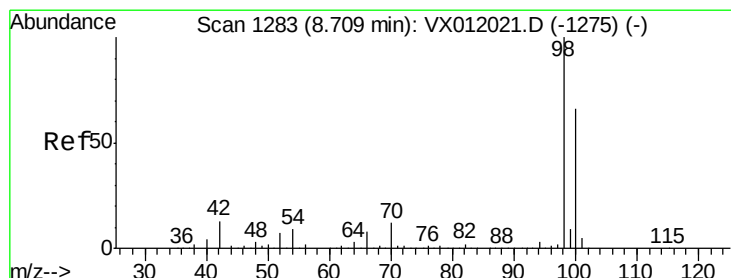
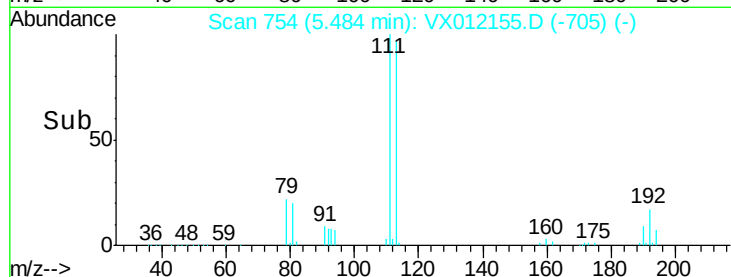
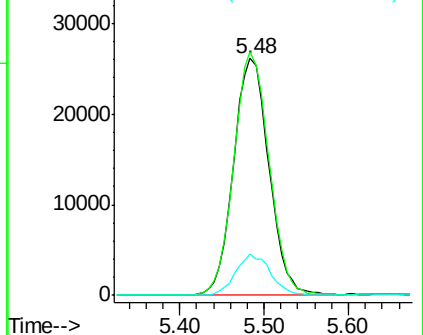
192 16.9 22.5 33.7#



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: 51.211 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012155.D

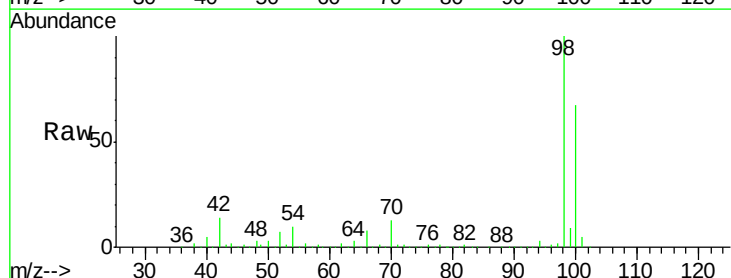
Acq: 06 Sep 2019 18:28

Tgt Ion: 98 Resp: 284436

Ion Ratio Lower Upper

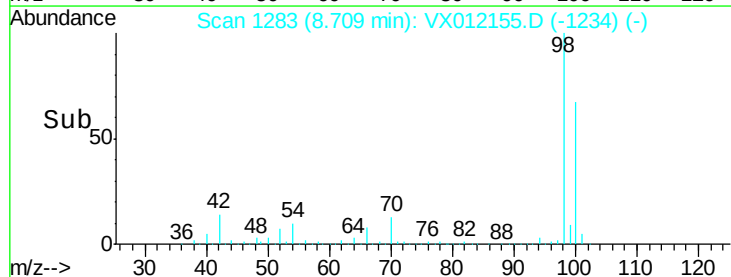
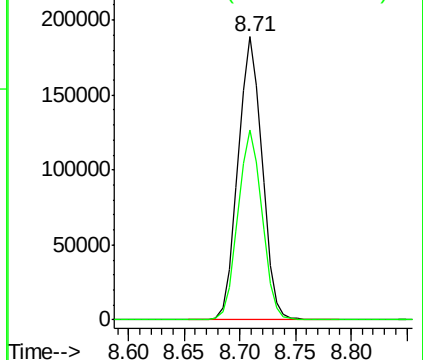
98 100

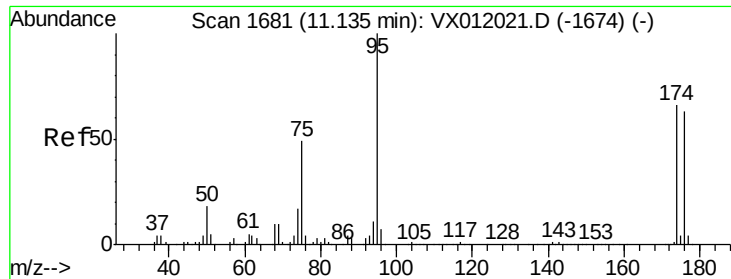
100 66.9 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

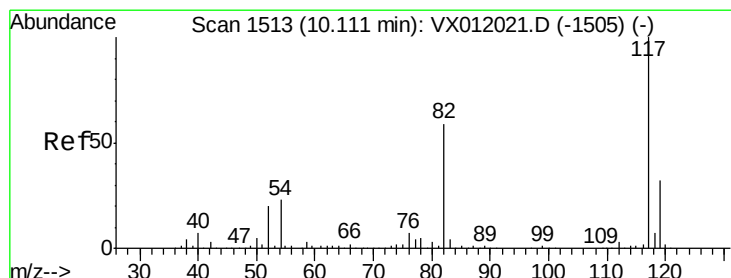
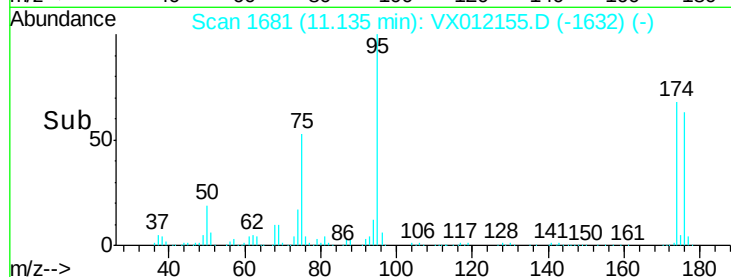
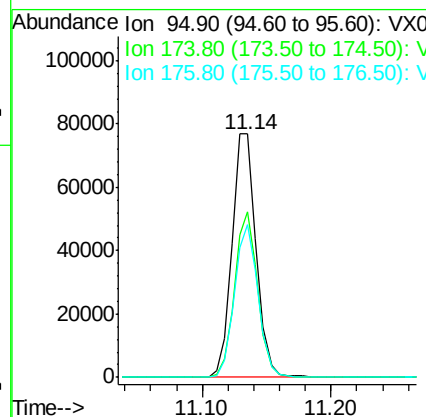
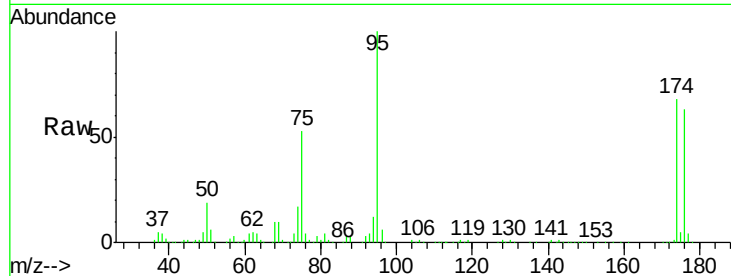




#62
4-Bromofluorobenzene
Concen: 39.356 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012155.D
Acq: 06 Sep 2019 18:28

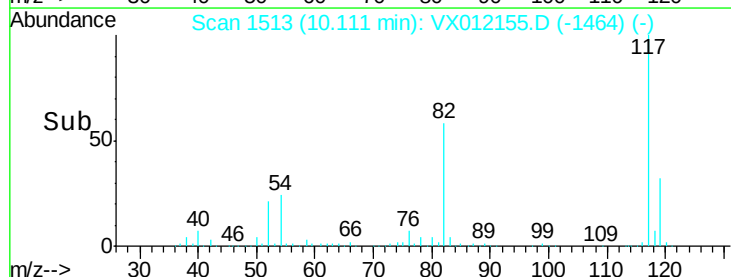
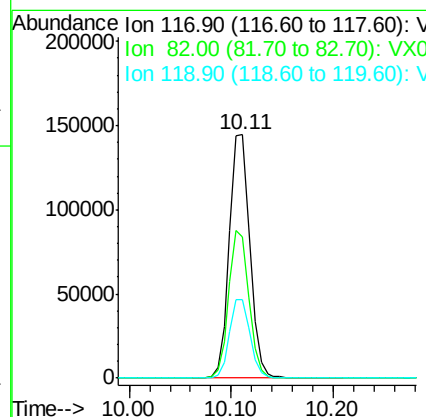
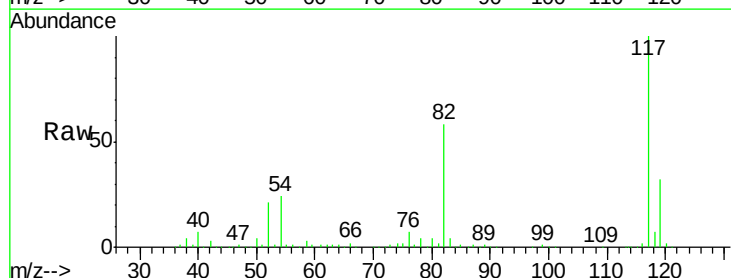
Instrument :
MSVOA_X
ClientSampled :
T12-F2-(0)

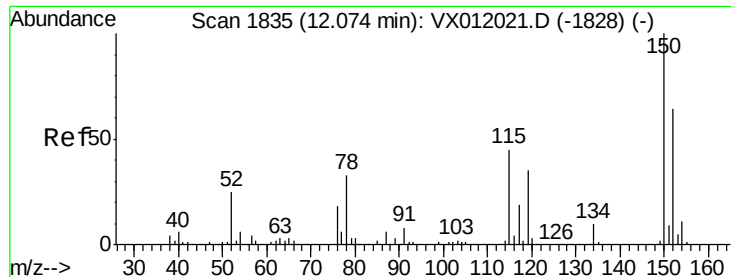
Tot Ion: 95 Resp: 101657
Ion Ratio Lower Upper
95 100
174 64.6 0.0 205.4
176 60.8 0.0 201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012155.D
Acq: 06 Sep 2019 18:28

Tgt Ion: 117 Resp: 202540
Ion Ratio Lower Upper
117 100
82 58.2 39.4 59.0
119 32.5 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012155.D

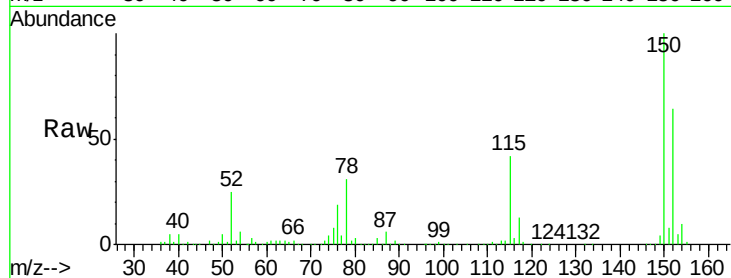
Acq: 06 Sep 2019 18:28

Instrument :

MSVOA_X

ClientSampleId :

T12-F2-(0)



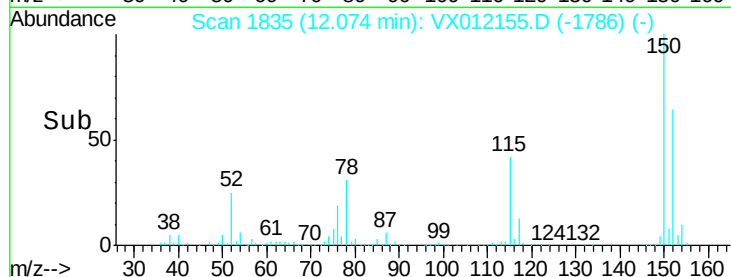
Tot Ion:152 Resp: 71726

Ion Ratio Lower Upper

152 100

115 66.9 36.4 109.3

150 160.0 0.0 341.2



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

