

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091619\
 Data File : VX012412.D
 Acq On : 16 Sep 2019 17:55
 Operator : JC/SP
 Sample : K4830-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-TB-2019-2

Quant Time: Sep 17 05:14:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	116233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	190739	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	176951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98732	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	125974	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	5.49	113	87772	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
50) Toluene-d8	8.71	98	323179	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.14	95	127405	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

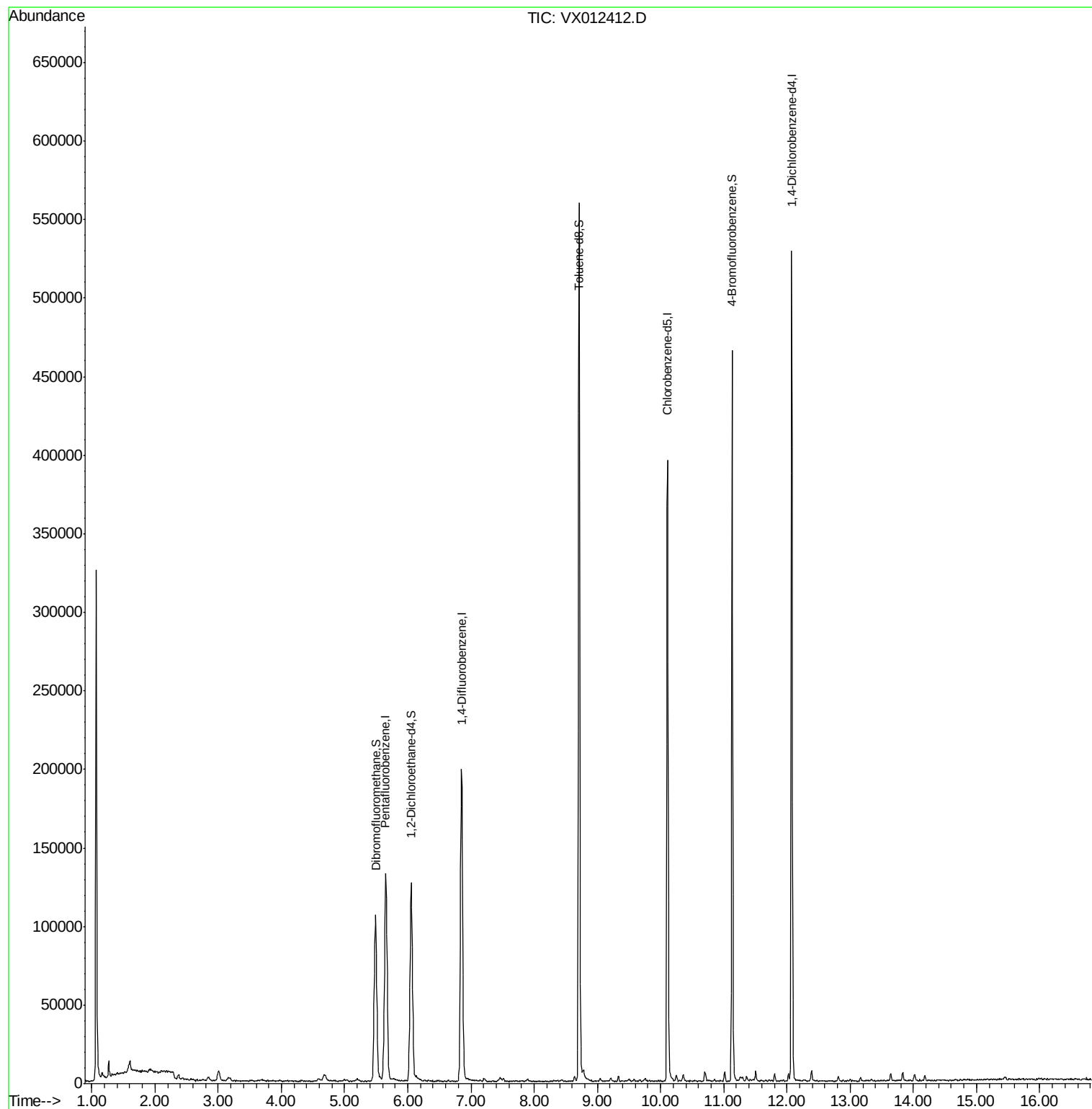
Target Compounds	Qvalue

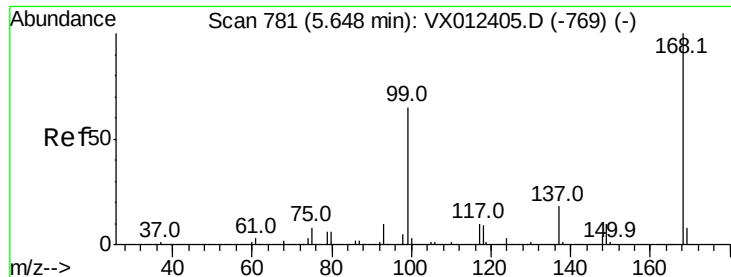
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012412.D

Acq: 16 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

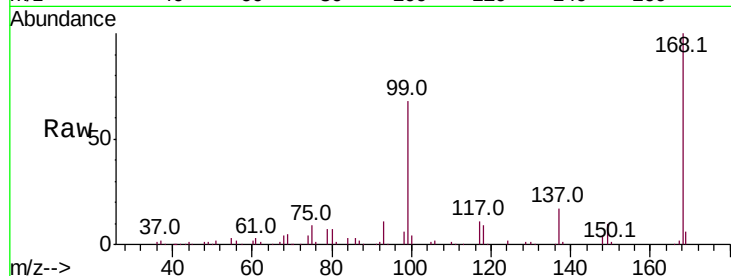
S13-TB-2019-2

Tot Ion:168 Resp: 116233

Ion Ratio Lower Upper

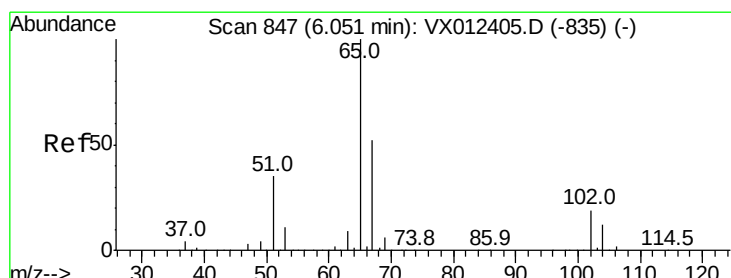
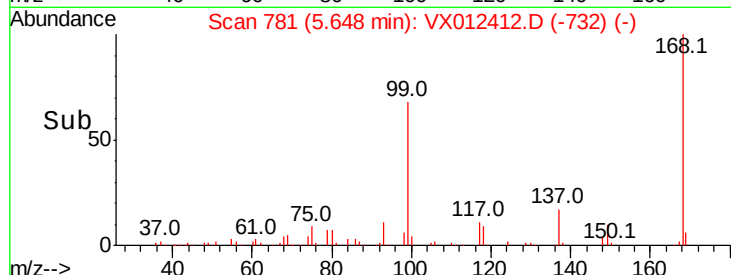
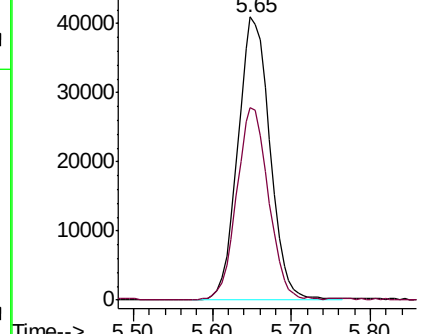
168 100

99 68.2 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.894 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012412.D

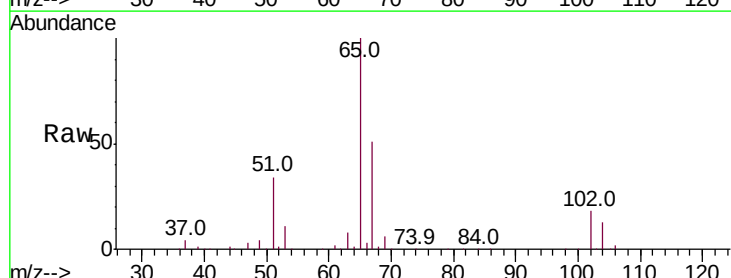
Acq: 16 Sep 2019 17:55

Tgt Ion: 65 Resp: 125974

Ion Ratio Lower Upper

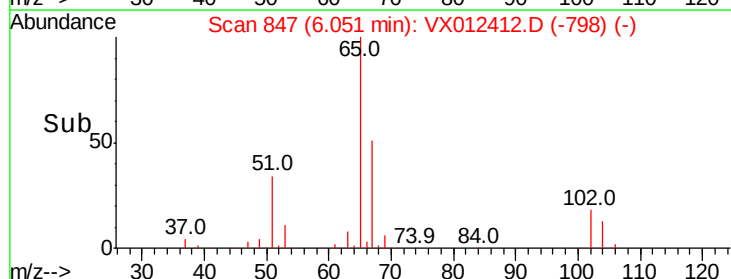
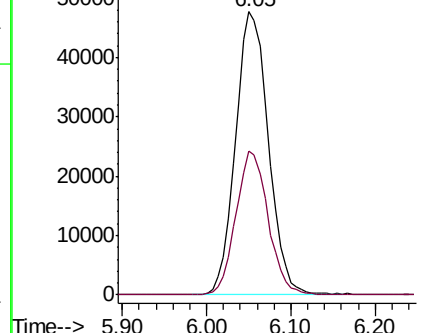
65 100

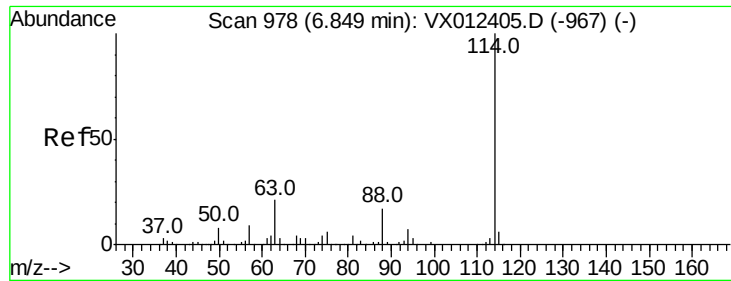
67 49.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012412.D

Acq: 16 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

S13-TB-2019-2

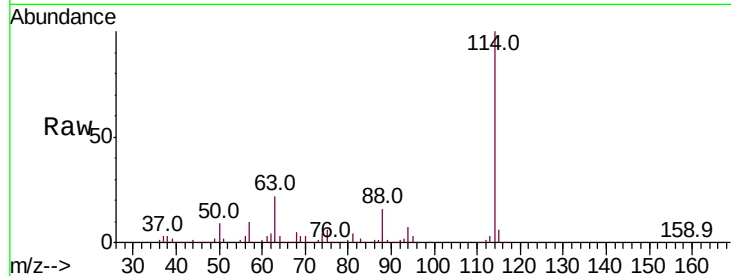
Tot Ion:114 Resp: 190739

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.4

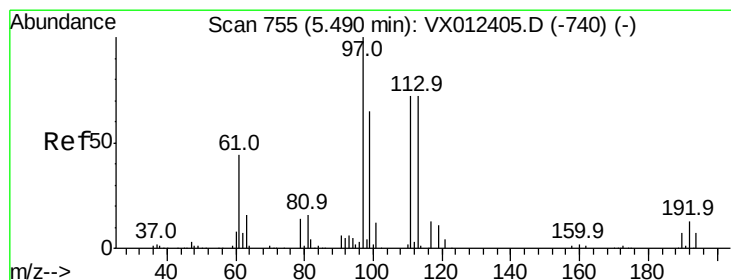
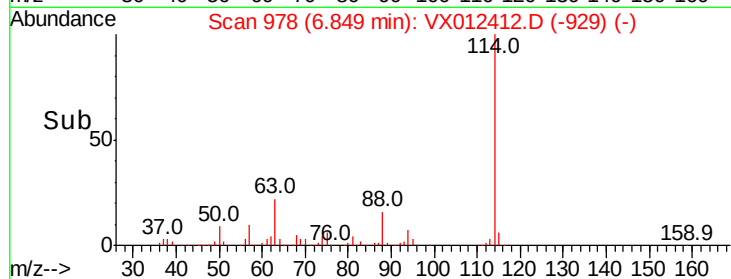
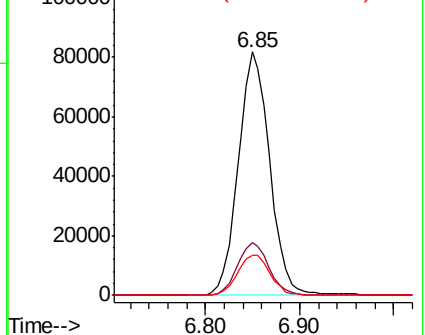
88 16.4 0.0 33.4



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: 47.504 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012412.D

Acq: 16 Sep 2019 17:55

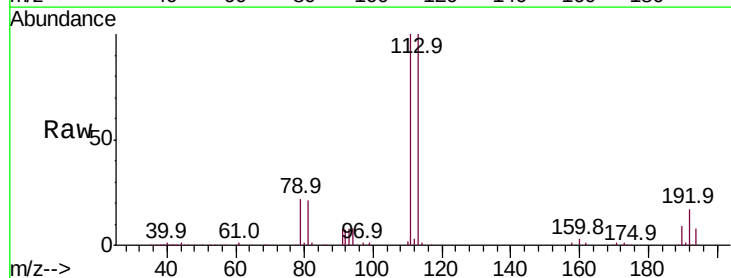
Tgt Ion:113 Resp: 87772

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.6

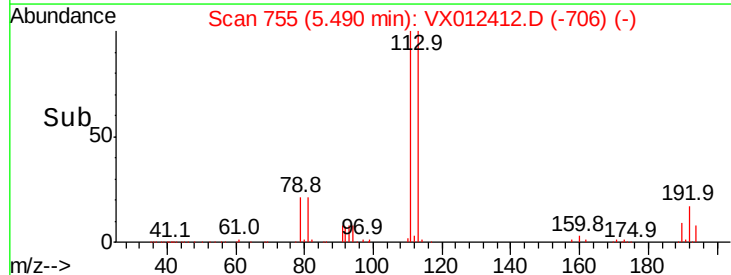
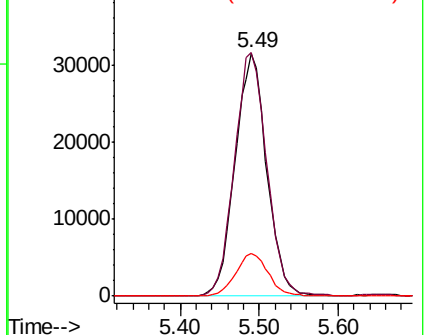
192 18.1 15.0 22.4

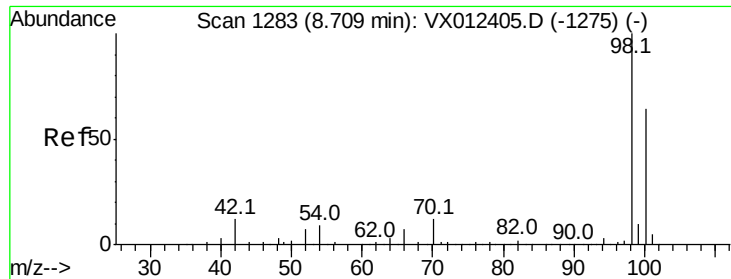


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.291 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012412.D

Acq: 16 Sep 2019 17:55

Instrument :

MSVOA_X

ClientSampleId :

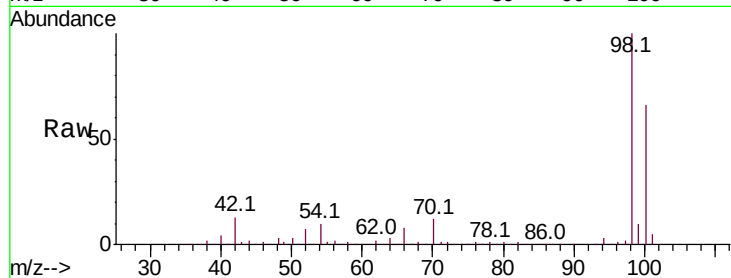
S13-TB-2019-2

Tot Ion: 98 Resp: 323179

Ion Ratio Lower Upper

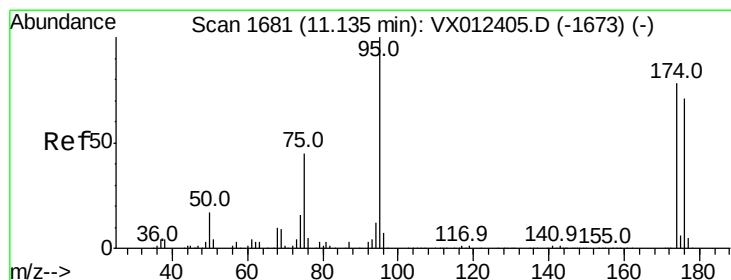
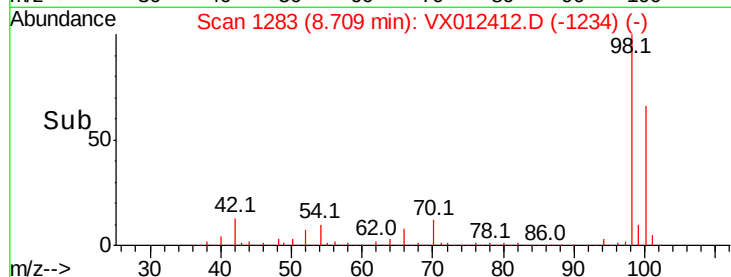
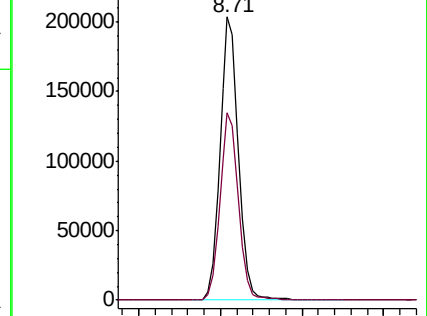
98 100

100 66.6 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.186 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012412.D

Acq: 16 Sep 2019 17:55

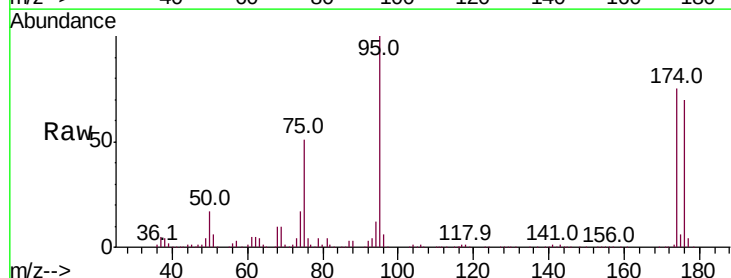
Tgt Ion: 95 Resp: 127405

Ion Ratio Lower Upper

95 100

174 70.1 0.0 146.0

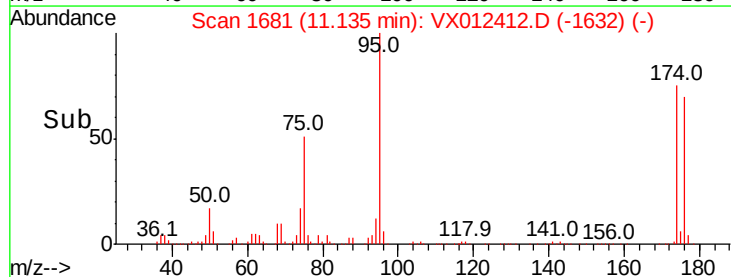
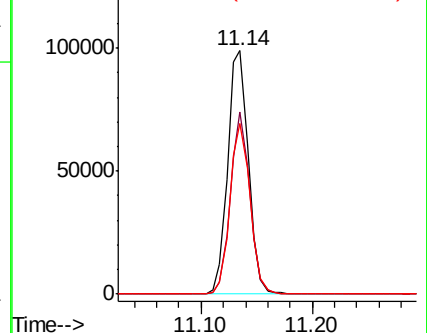
176 68.4 0.0 137.6

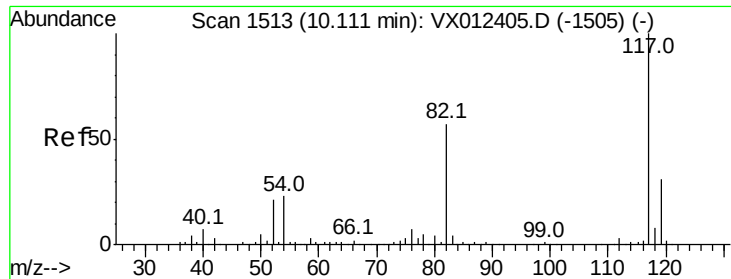


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

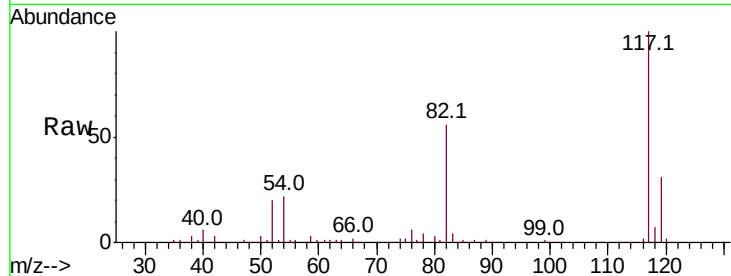




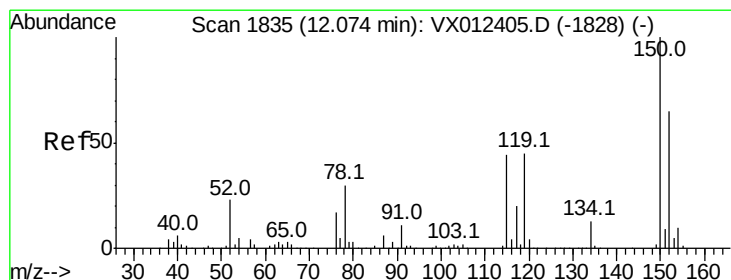
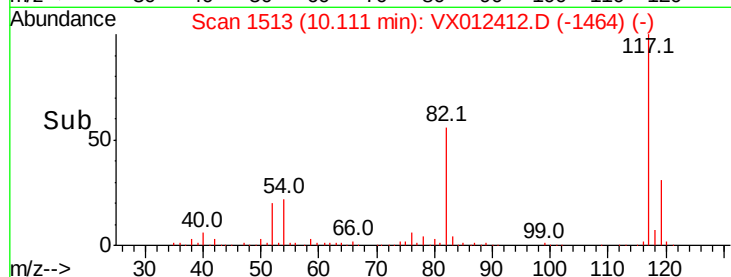
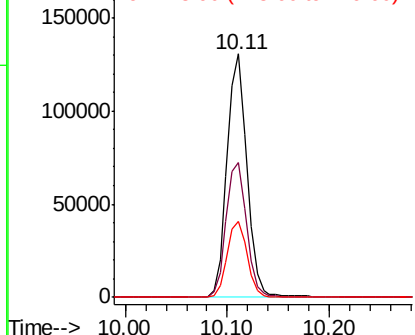
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012412.D
Acq: 16 Sep 2019 17:55

Instrument :
MSVOA_X
ClientSampleId :
S13-TB-2019-2

Tot Ion:117 Resp: 176951
Ion Ratio Lower Upper
117 100
82 55.5 45.8 68.6
119 31.2 24.9 37.3

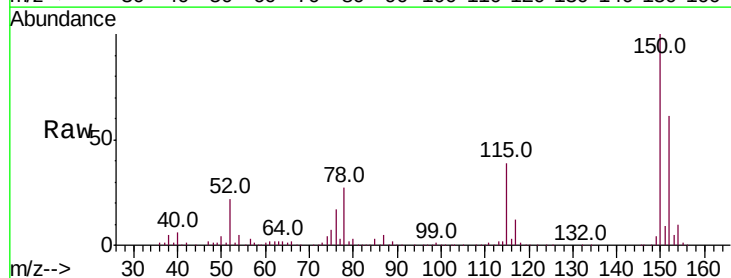


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012412.D
Acq: 16 Sep 2019 17:55

Tgt Ion:152 Resp: 98732
Ion Ratio Lower Upper
152 100
115 64.0 45.3 135.9
150 158.6 0.0 354.0



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

