

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090319\
 Data File : VX012037.D
 Acq On : 03 Sep 2019 22:14
 Operator : SY/SP
 Sample : K4546-06
 Misc : 5.42g/5.0mL/MSVOA X/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-C3-(2.5)

Quant Time: Sep 04 05:16:01 2019
 Quant Method : Z:\VOASRV\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	156098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	63170	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	101601	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
35) Dibromofluoromethane	5.48	113	80838	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	8.71	98	310299	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.14	95	101724	35.38	ug/l	0.00
Spiked Amount			Recovery	=	70.76%	

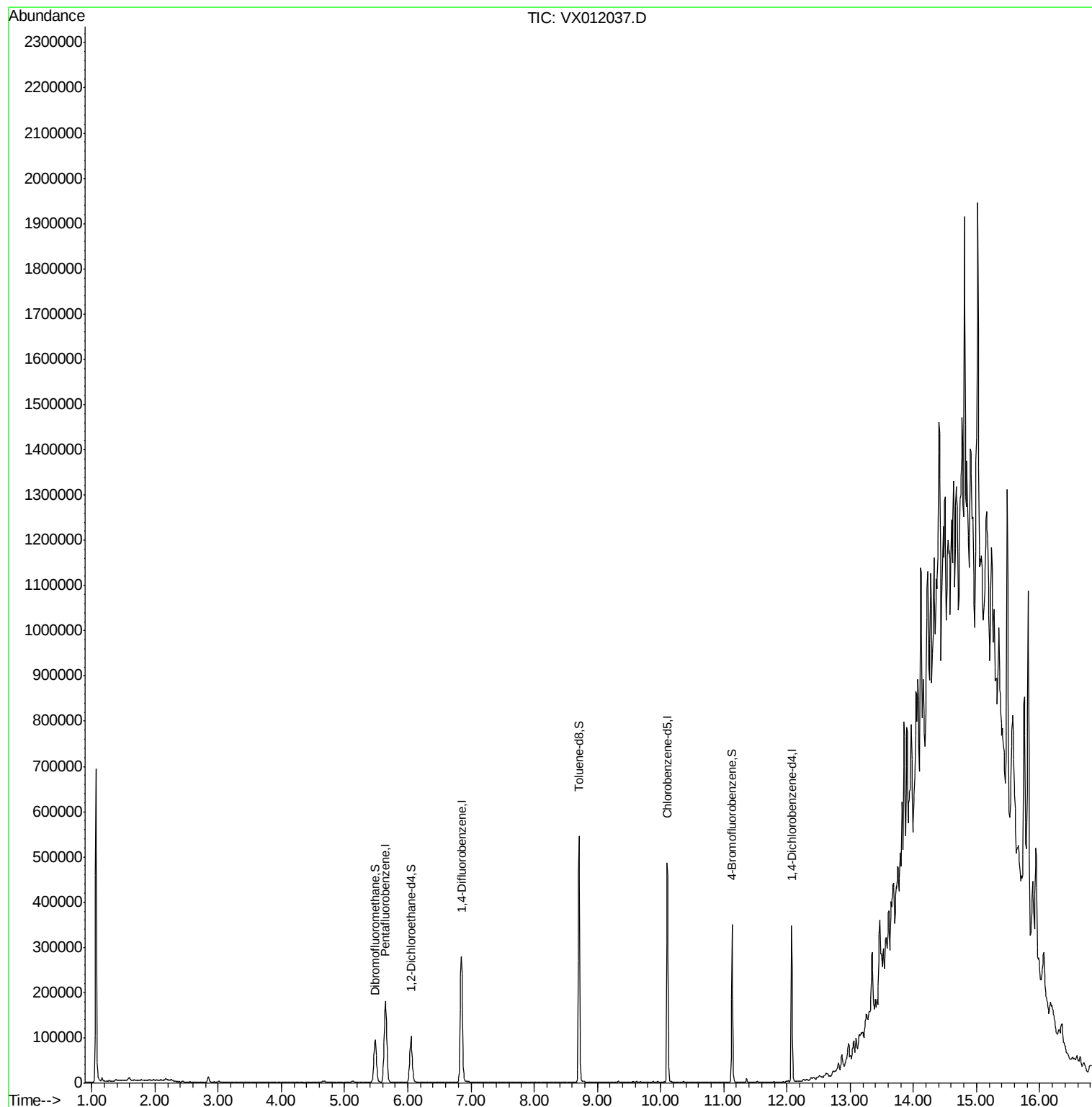
Target Compounds	Qvalue
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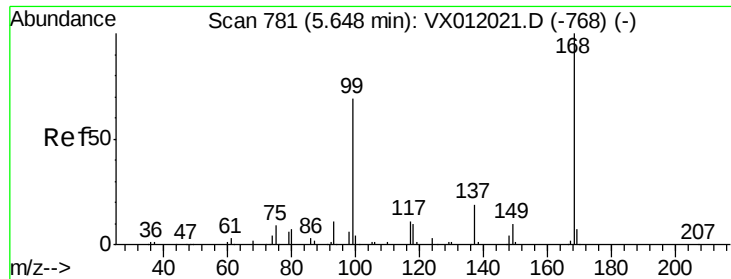
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012037.D

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Instrument :

MSVOA_X

ClientSampleId :

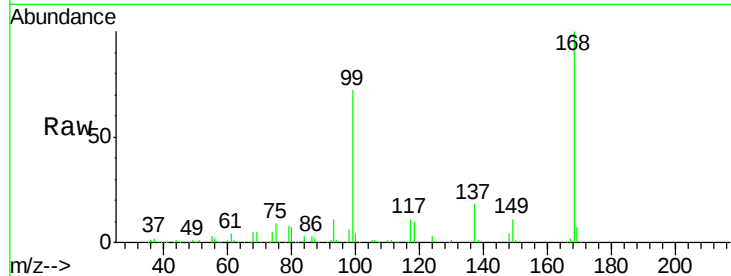
T3-S-C3-(2.5)

Tot Ion:168 Resp: 156098

Ion Ratio Lower Upper

168 100

99 71.6 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

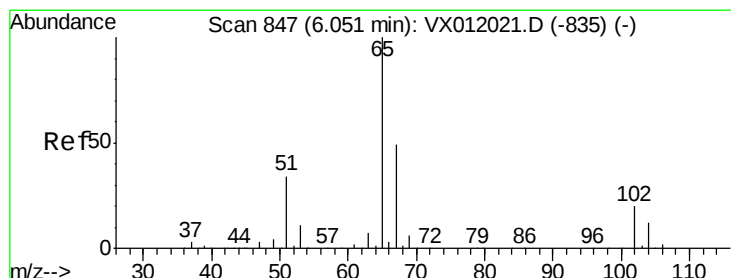
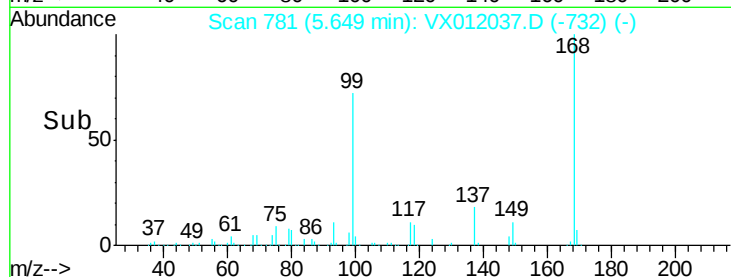
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.172 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012037.D

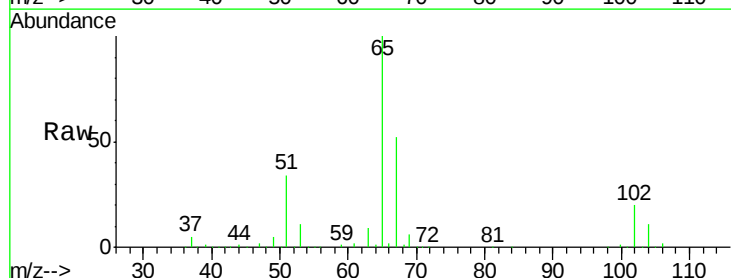
Acq: 03 Sep 2019 22:14

Tgt Ion: 65 Resp: 101601

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

40000

30000

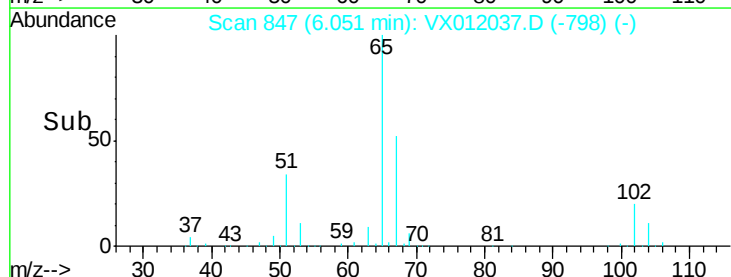
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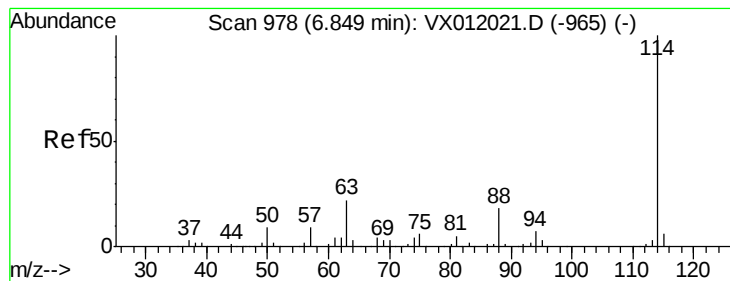
10000

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: VX012037.D

Acq: 03 Sep 2019 22:14

Instrument :

MSVOA_X

ClientSampleId :

T3-S-C3-(2.5)

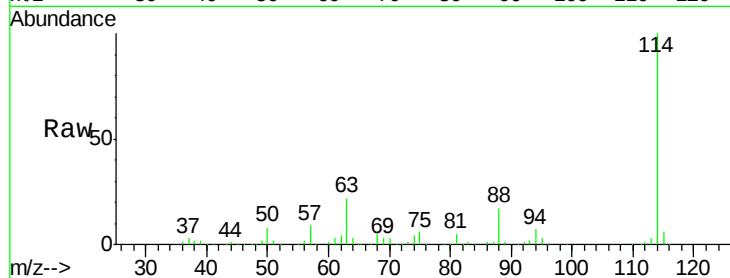
Tot Ion:114 Resp: 273945

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.4

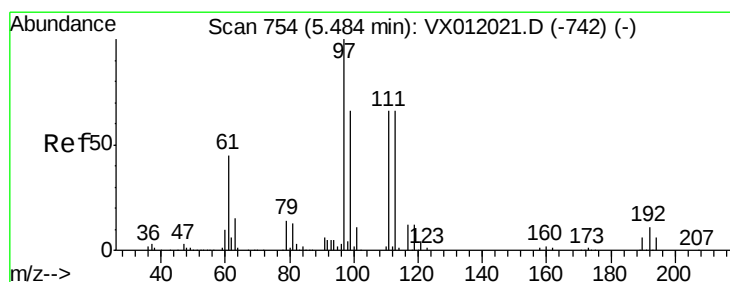
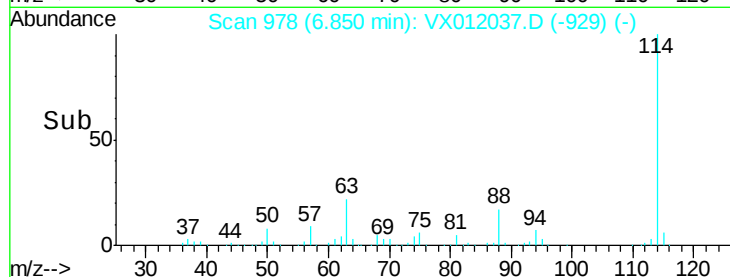
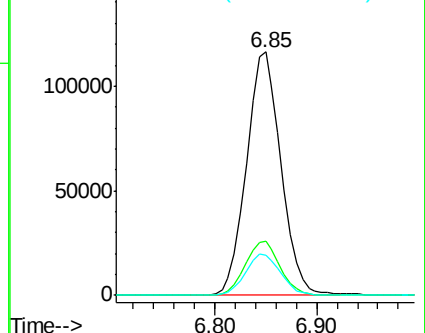
88 16.6 0.0 29.6



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: 47.984 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012037.D

Acq: 03 Sep 2019 22:14

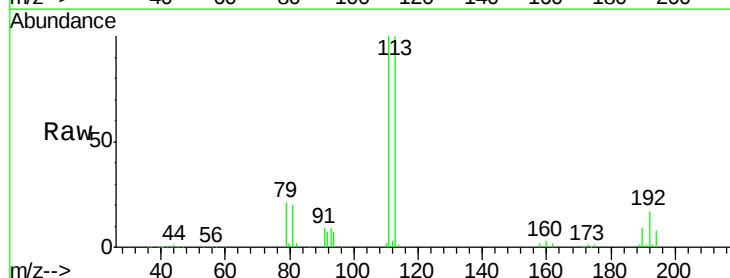
Tgt Ion:113 Resp: 80838

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

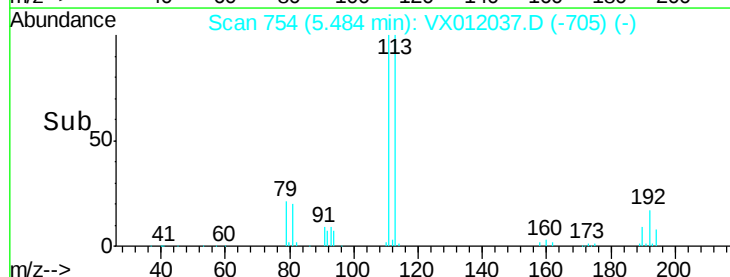
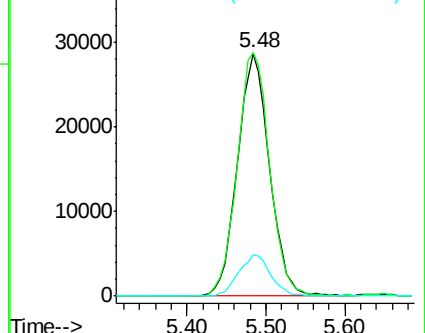
192 17.0 22.5 33.7#

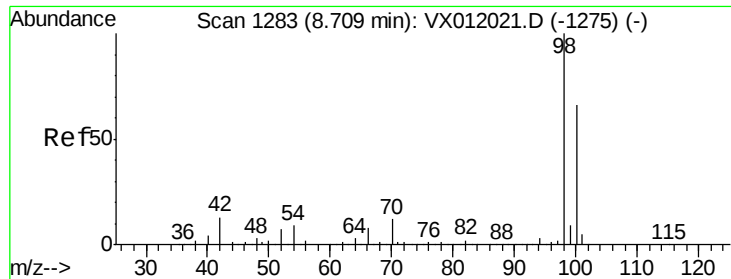


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

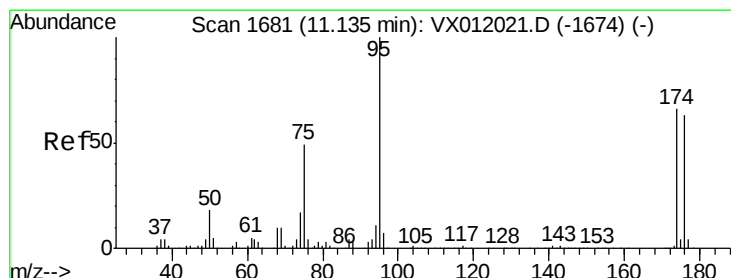
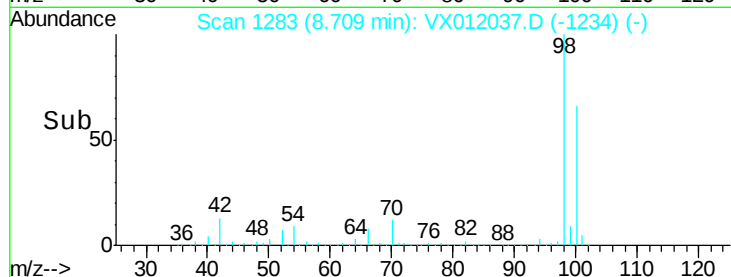
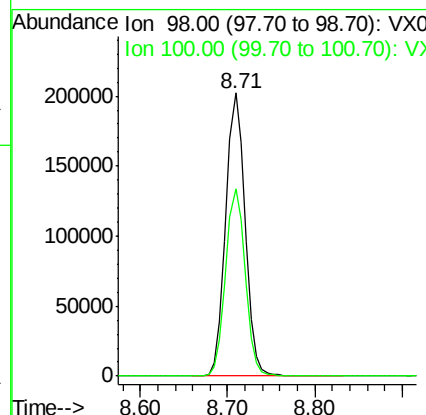
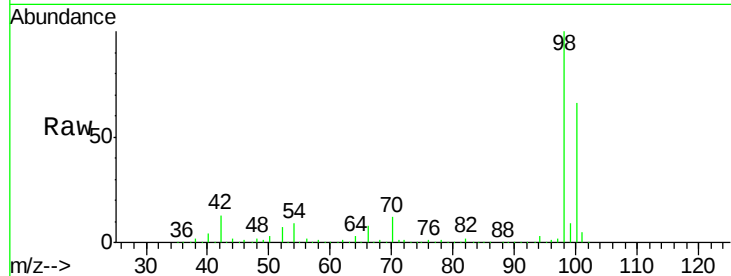




#50
Toluene-d8
Concen: 50.194 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012037.D
Acq: 03 Sep 2019 22:14

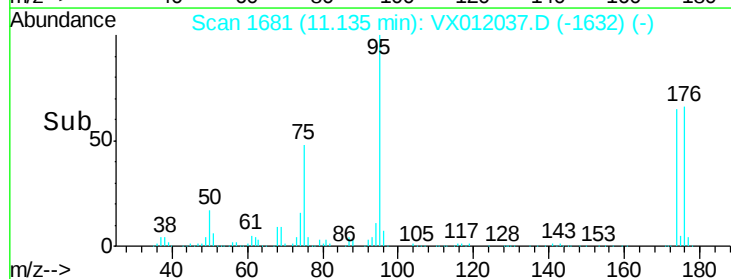
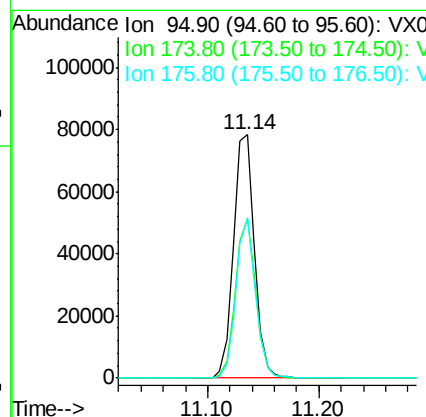
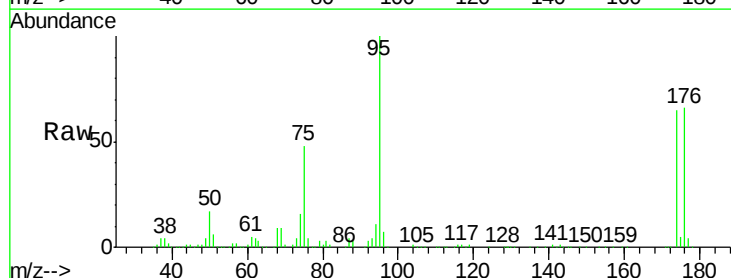
Instrument :
MSVOA_X
ClientSampleId :
T3-S-C3-(2.5)

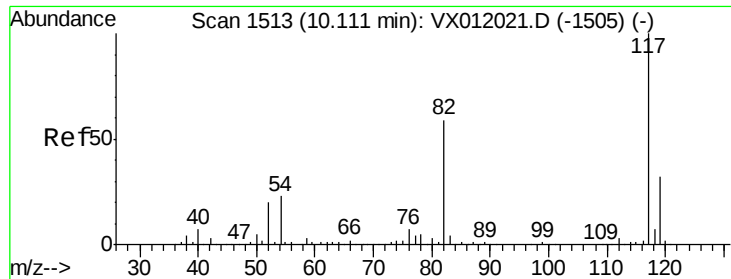
Tot Ion: 98 Resp: 310299
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 35.382 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012037.D
Acq: 03 Sep 2019 22:14

Tgt Ion: 95 Resp: 101724
Ion Ratio Lower Upper
95 100
174 63.6 0.0 205.4
176 61.6 0.0 201.8

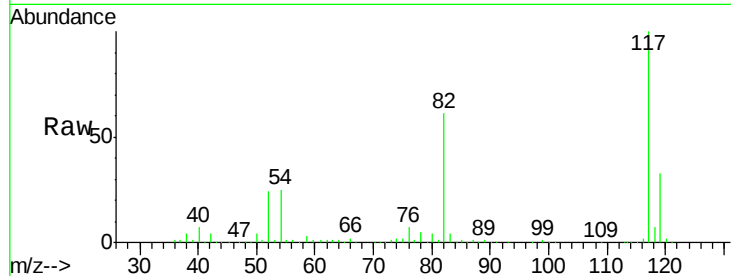




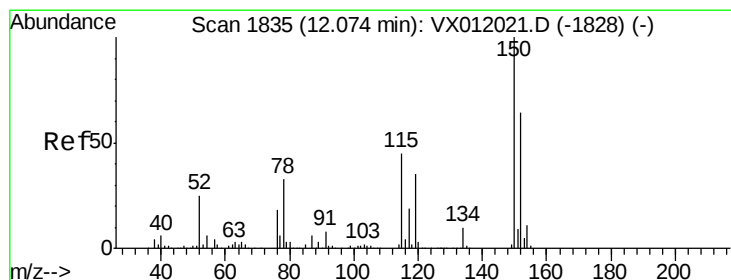
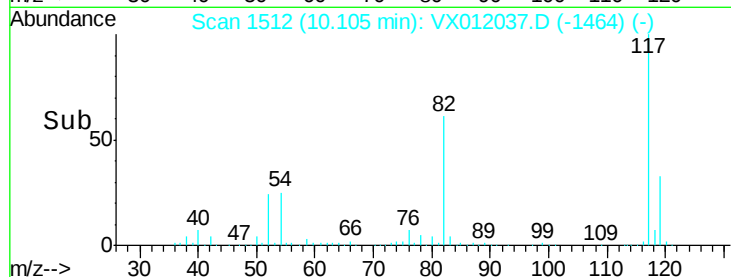
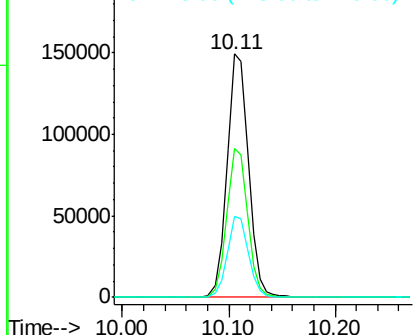
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX012037.D
Acq: 03 Sep 2019 22:14

Instrument :
MSVOA_X
ClientSampleId :
T3-S-C3-(2.5)

Tot Ion:117 Resp: 211177
Ion Ratio Lower Upper
117 100
82 61.3 39.4 59.0#
119 33.2 26.1 39.1

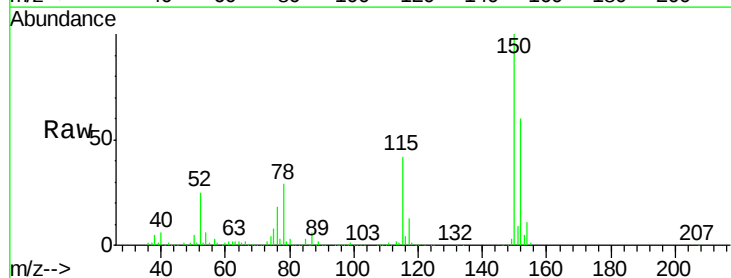


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012037.D
Acq: 03 Sep 2019 22:14

Tgt Ion:152 Resp: 63170
Ion Ratio Lower Upper
152 100
115 66.3 36.4 109.3
150 162.8 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

