

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063539.D
 Acq On : 13 Aug 2019 20:43
 Operator : JC/SY
 Sample : K4321-01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1

Quant Time: Aug 14 09:23:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	964537	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1473636	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1178051	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	601408	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	480572	46.61	ug/l	-0.02
Spiked Amount			Recovery	=	93.22%	
35) Dibromofluoromethane	6.93	113	528931	42.62	ug/l	-0.01
Spiked Amount			Recovery	=	85.24%	
50) Toluene-d8	10.41	98	1103543	40.44	ug/l	-0.01
Spiked Amount			Recovery	=	80.88%	
62) 4-Bromofluorobenzene	13.55	95	510762	41.30	ug/l	-0.01
Spiked Amount			Recovery	=	82.60%	

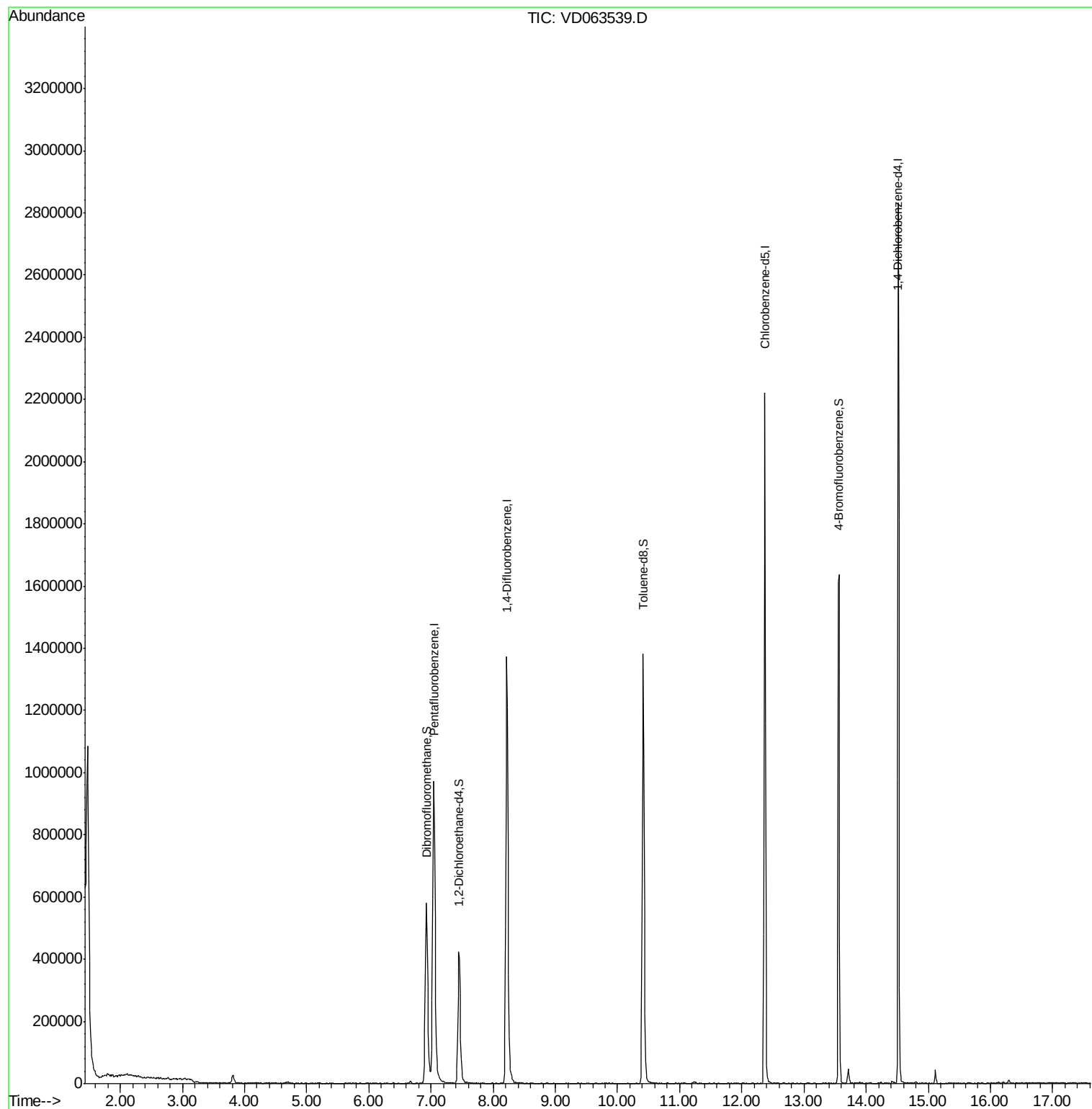
Target Compounds	Qvalue
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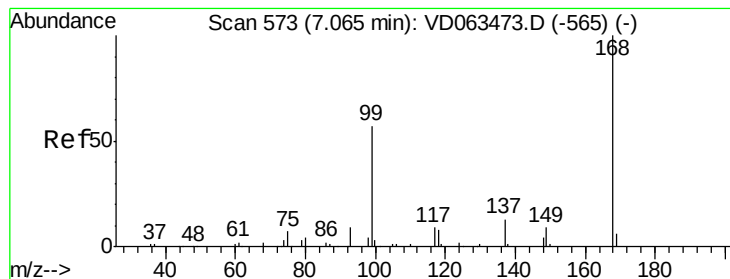
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063539.D

Acq: 13 Aug 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

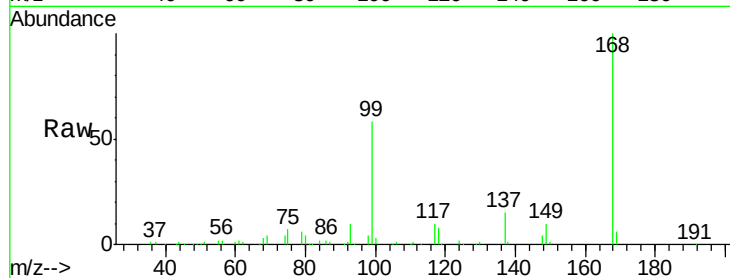
SP-1

Tot Ion:168 Resp: 964537

Ion Ratio Lower Upper

168 100

99 57.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

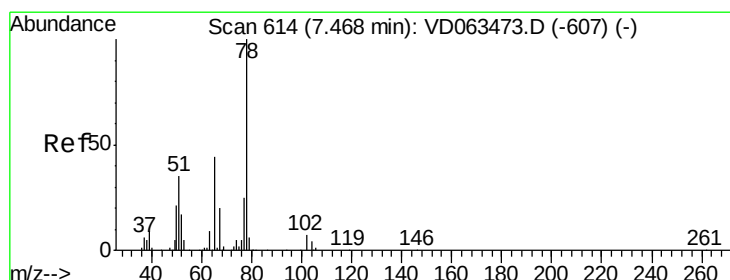
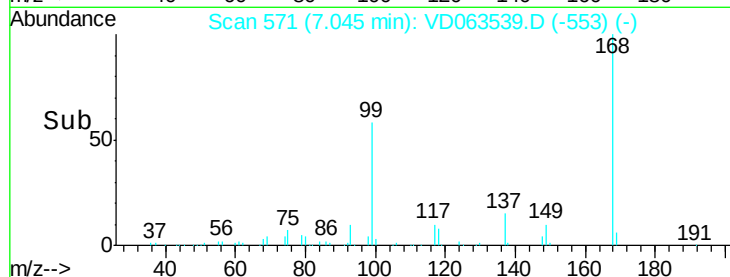
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#33

1,2-Dichloroethane-d4

Concen: 46.612 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.02 min

Lab File: VD063539.D

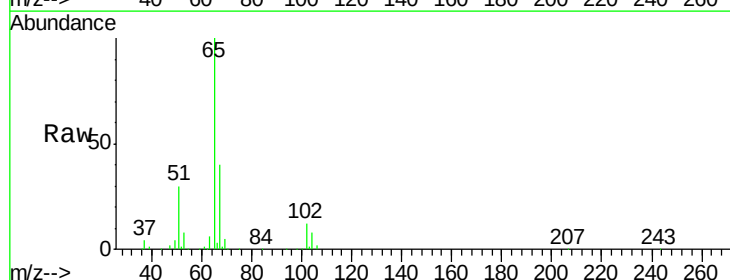
Acq: 13 Aug 2019 20:43

Tgt Ion: 65 Resp: 480572

Ion Ratio Lower Upper

65 100

67 39.7 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

200000

150000

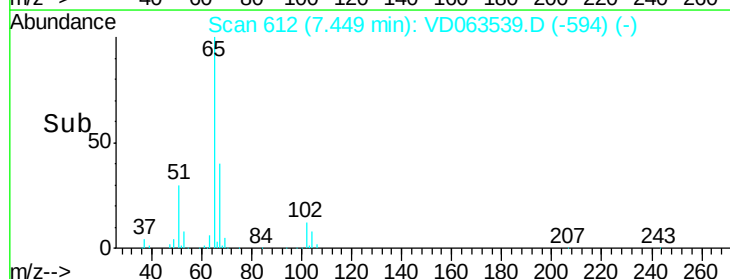
100000

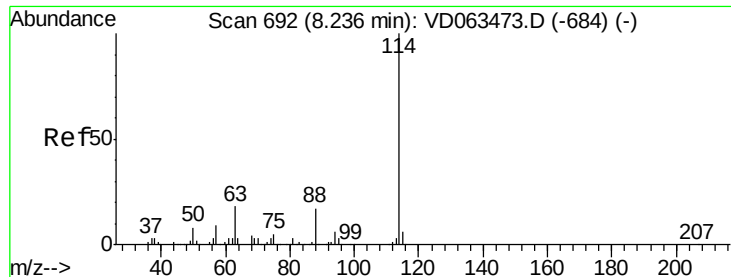
50000

0

7.30 7.40 7.50 7.60

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063539.D

Acq: 13 Aug 2019 20:43

Instrument :

MSVOA_D

ClientSampleId :

SP-1

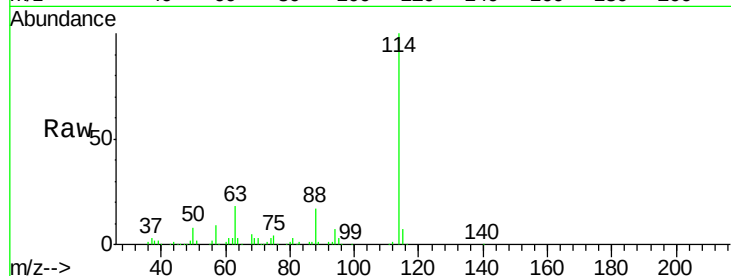
Tot Ion:114 Resp: 1473636

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.2

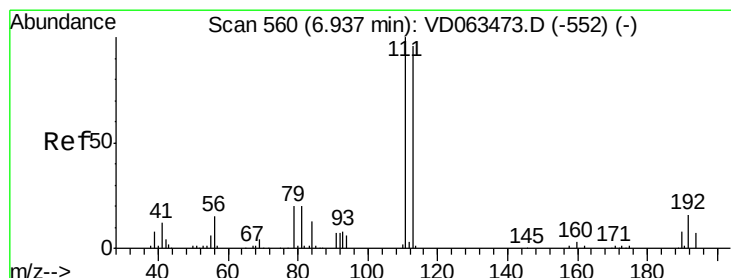
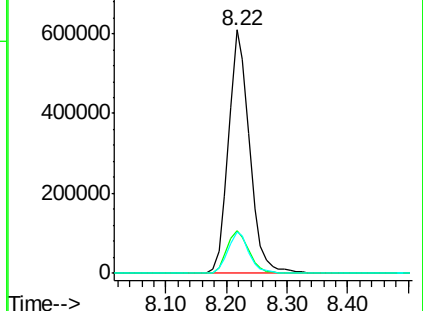
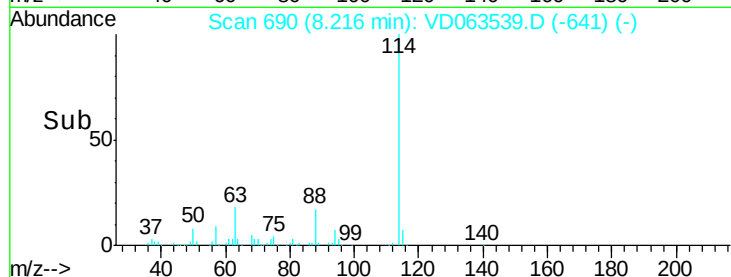
88 17.0 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 42.618 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063539.D

Acq: 13 Aug 2019 20:43

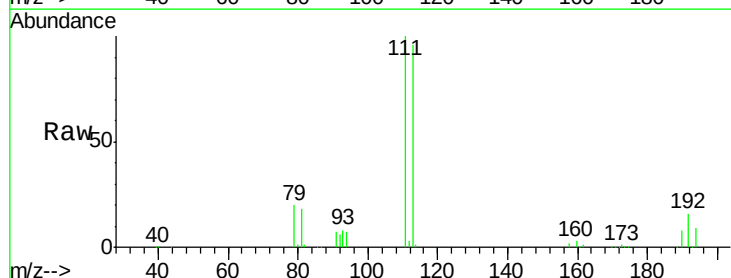
Tgt Ion:113 Resp: 528931

Ion Ratio Lower Upper

113 100

111 104.5 83.1 124.7

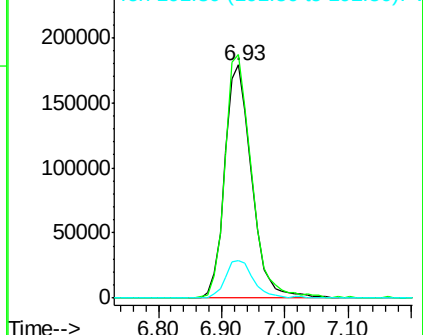
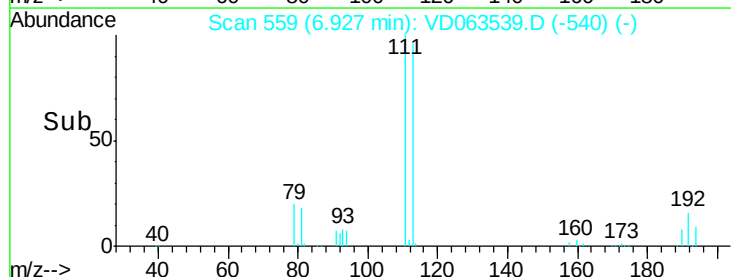
192 16.3 13.1 19.7

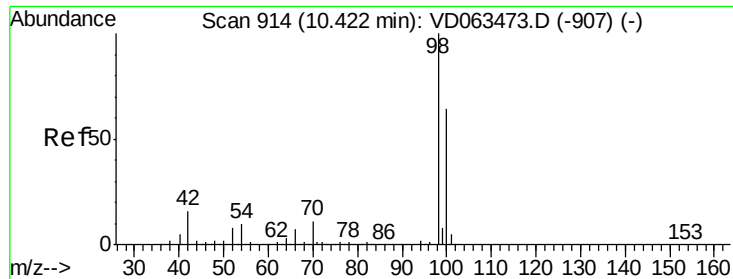


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

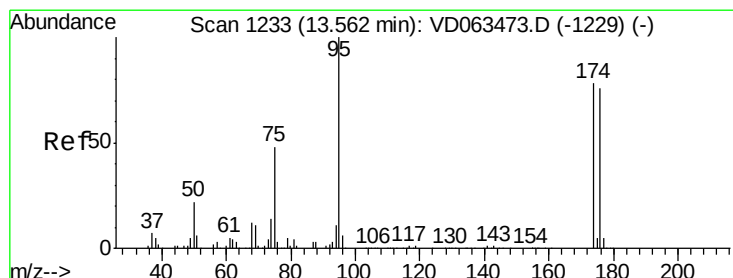
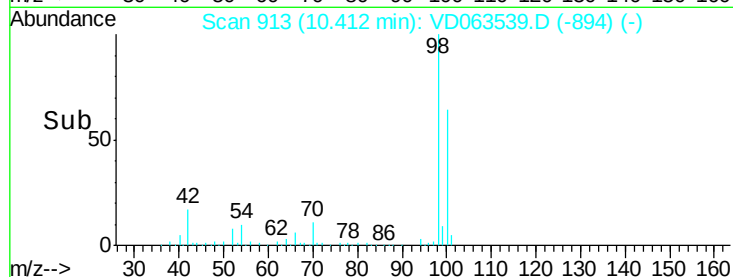
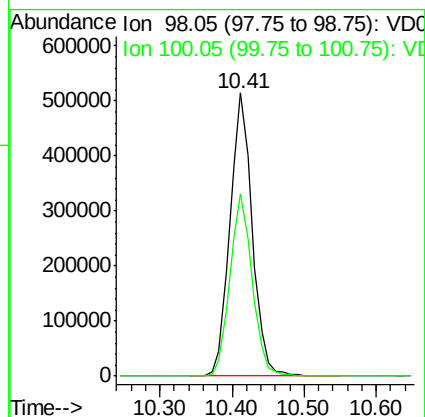
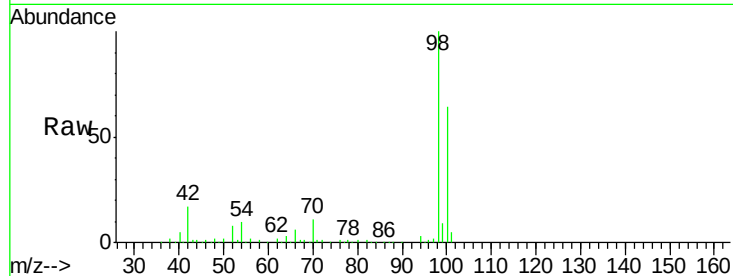




#50
Toluene-d8
Concen: 40.443 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063539.D
Acq: 13 Aug 2019 20:43

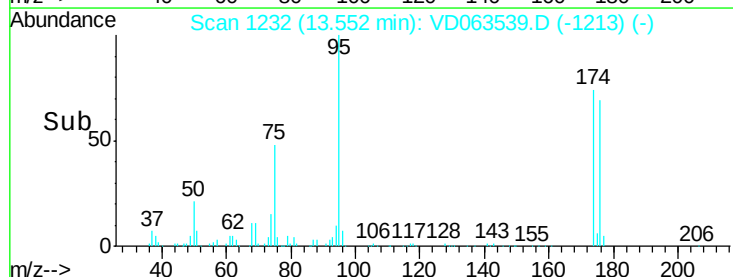
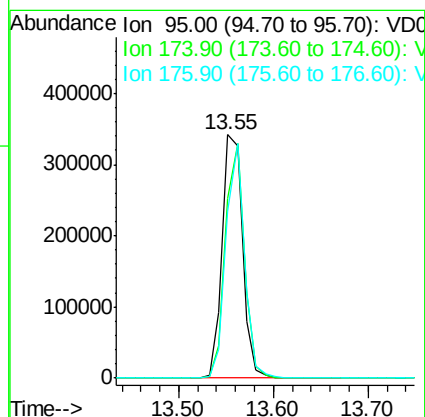
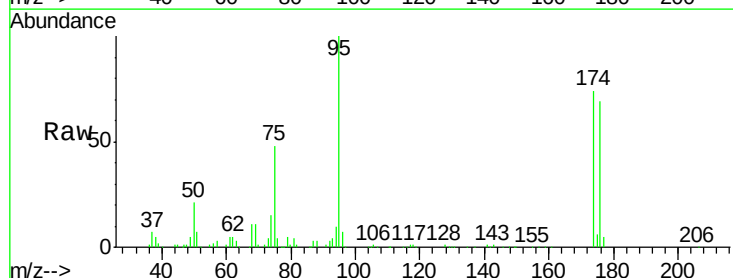
Instrument :
MSVOA_D
ClientSampleId :
SP-1

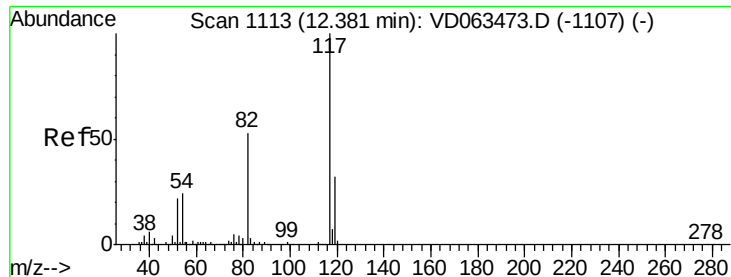
Tot Ion: 98 Resp: 1103543
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 41.299 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063539.D
Acq: 13 Aug 2019 20:43

Tgt Ion: 95 Resp: 510762
Ion Ratio Lower Upper
95 100
174 73.6 0.0 155.4
176 68.7 0.0 152.4

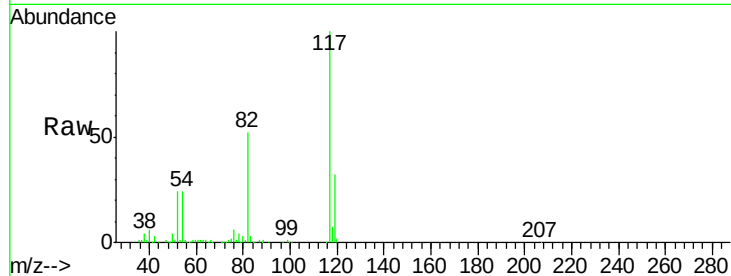




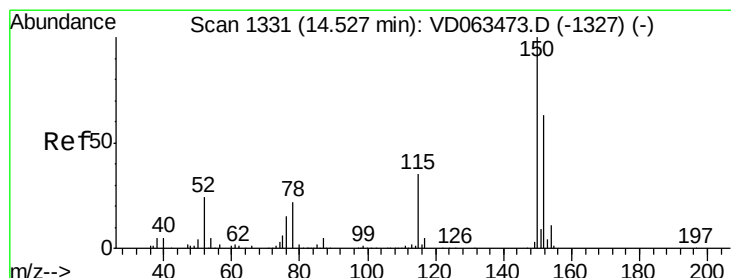
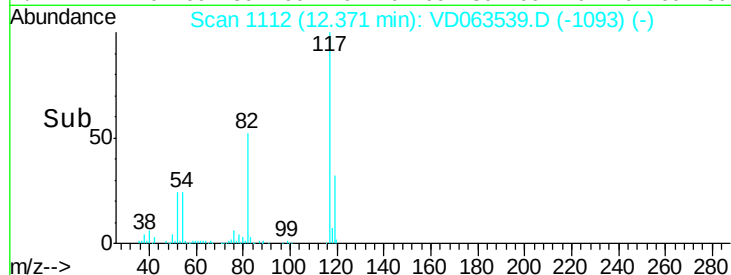
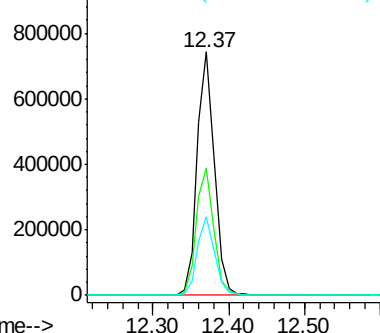
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063539.D
Acq: 13 Aug 2019 20:43

Instrument :
MSVOA_D
ClientSampled :
SP-1

Tot Ion:117 Resp: 1178051
Ion Ratio Lower Upper
117 100
82 52.3 42.0 63.0
119 32.3 25.4 38.0

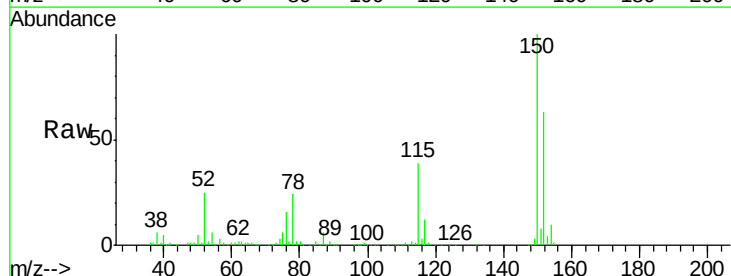


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063539.D
Acq: 13 Aug 2019 20:43

Tgt Ion:152 Resp: 601408
Ion Ratio Lower Upper
152 100
115 62.1 30.9 92.7
150 158.3 0.0 318.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V

