

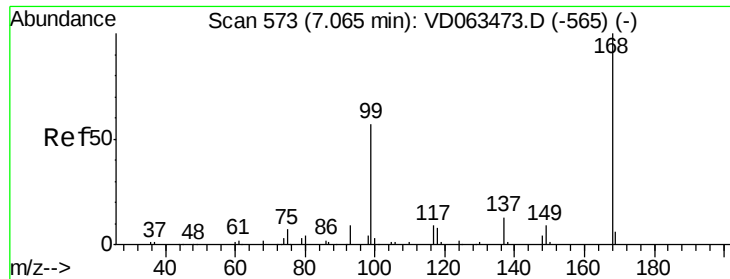
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081619\
 Data File : VD063638.D
 Acq On : 16 Aug 2019 15:21
 Operator : JC/SY
 Sample : K4377-01RE
 Misc : 6.01g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-50

Quant Time: Aug 17 06:01:34 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	7.03	168	904890	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1247063	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1038384	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	460415	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	502725	51.97	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	103.94%	
35) Dibromofluoromethane	6.91	113	525610	50.04	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	100.08%	
50) Toluene-d8	10.41	98	1002093	43.40	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	86.80%	
62) 4-Bromofluorobenzene	13.55	95	424165	40.53	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	81.06%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.09	59	512	1.216	ug/l #	71
20) Methylene Chloride	3.81	84	14860	1.748	ug/l #	76
29) Tetrahydrofuran	6.46	42	1504	1.662	ug/l #	58
31) Cyclohexane	7.02	56	19917	2.281	ug/l #	2
36) 1,1-Dichloropropene	7.03	75	70114	6.360	ug/l #	47
38) Carbon Tetrachloride	7.03	117	90971	5.475	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.55	75	196072	138.058	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063638.D

Acq: 16 Aug 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

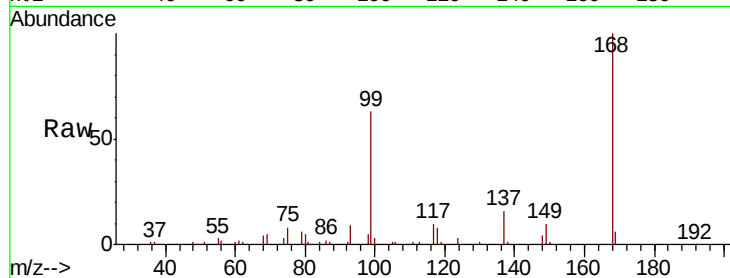
RBR-50

Tgt Ion:168 Resp: 904890

Ion Ratio Lower Upper

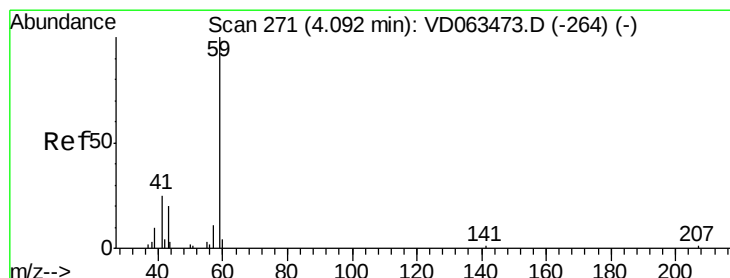
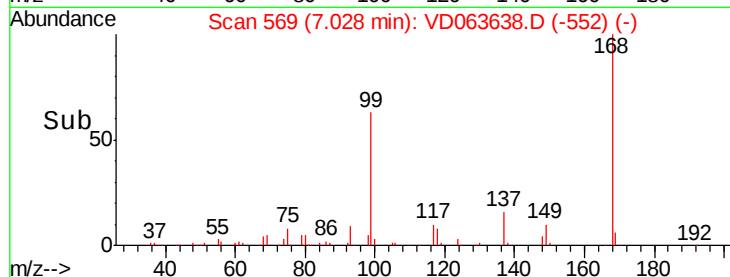
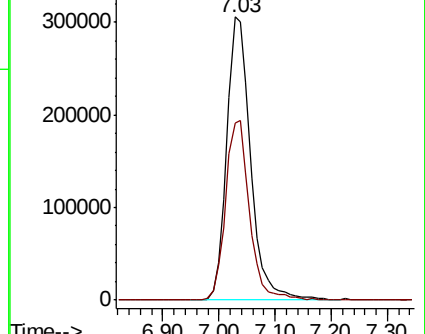
168 100

99 62.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.216 ug/l

RT: 4.09 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD063638.D

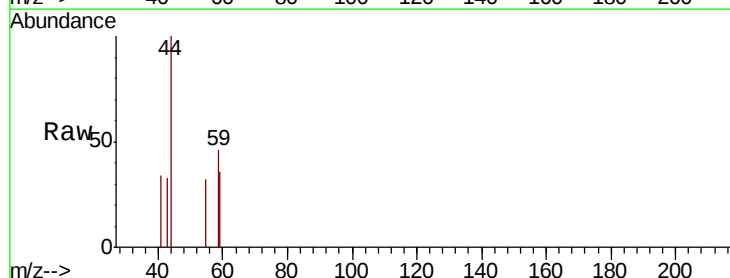
Acq: 16 Aug 2019 15:21

Tgt Ion: 59 Resp: 512

Ion Ratio Lower Upper

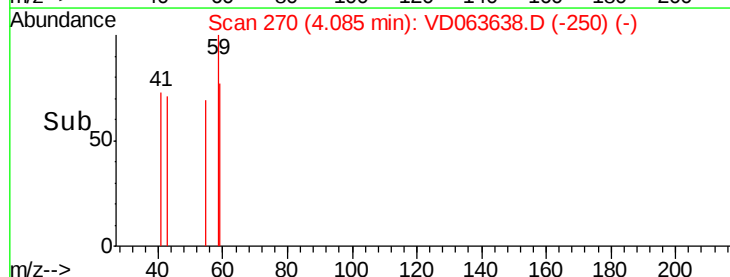
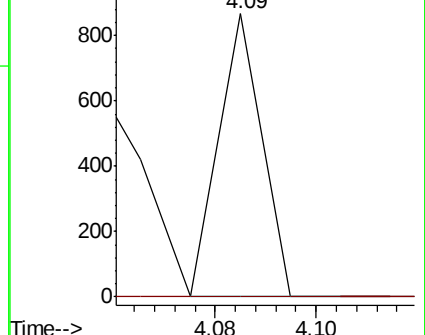
59 100

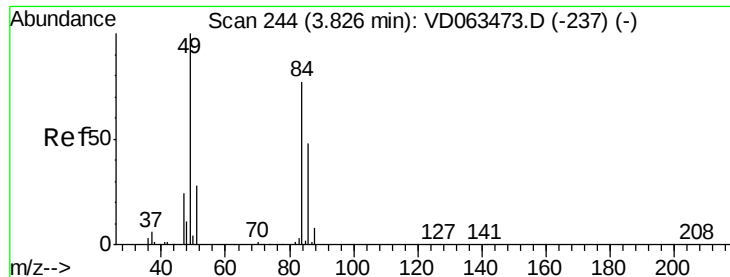
57 0.0 8.7 13.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

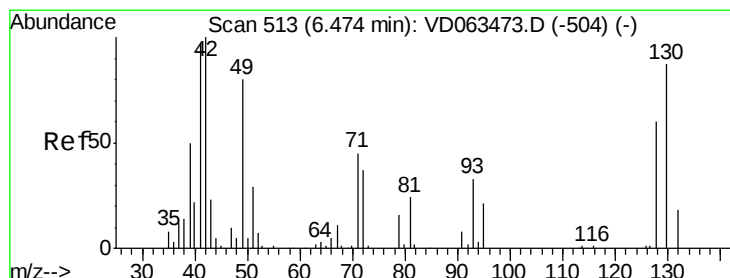
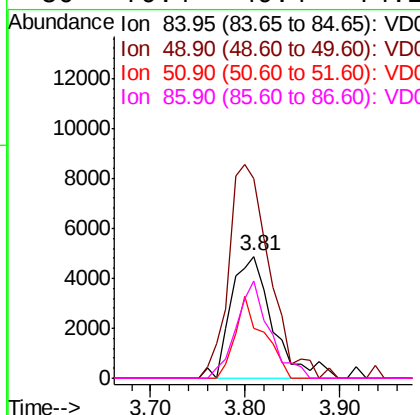
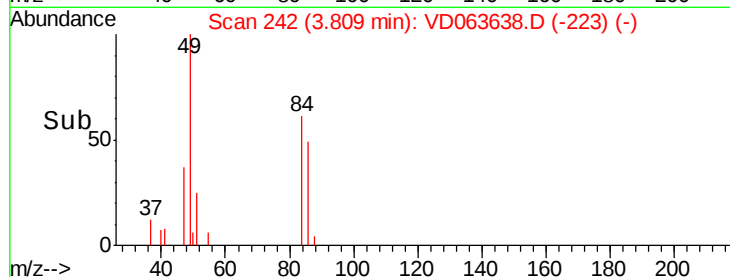
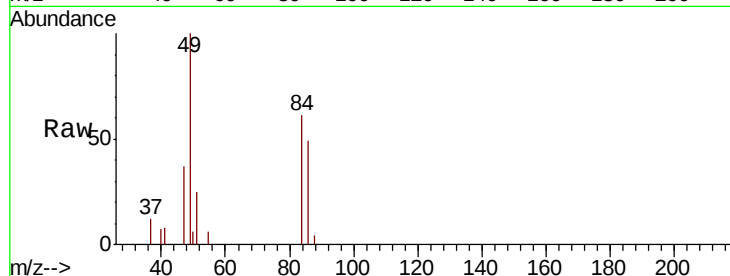




#20
Methylene Chloride
Concen: 1.748 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063638.D
Acq: 16 Aug 2019 15:21

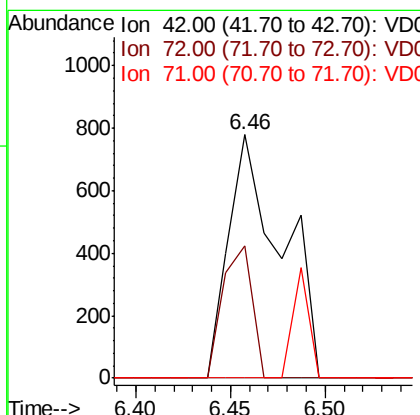
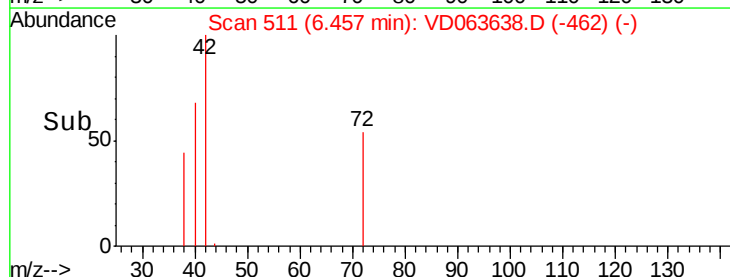
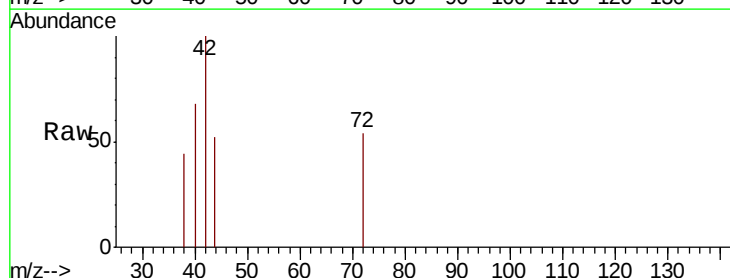
Instrument :
MSVOA_D
ClientSampleID :
RBR-50

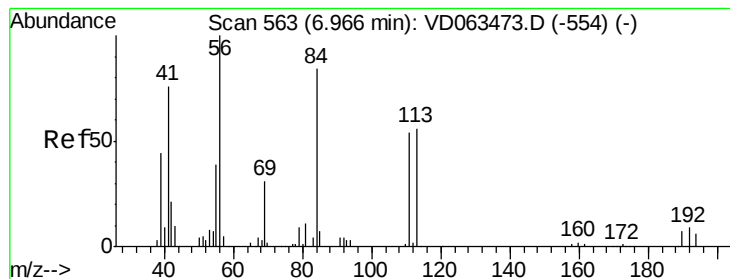
Tgt Ion: 84 Resp: 14860
Ion Ratio Lower Upper
84 100
49 163.1 103.4 155.2#
51 40.7 28.5 42.7
86 79.4 49.4 74.2#



#29
Tetrahydrofuran
Concen: 1.662 ug/l
RT: 6.46 min Scan# 511
Delta R.T. -0.02 min
Lab File: VD063638.D
Acq: 16 Aug 2019 15:21

Tgt Ion: 42 Resp: 1504
Ion Ratio Lower Upper
42 100
72 29.8 31.5 47.3#
71 0.0 33.8 50.8#





#31

Cyclohexane

Concen: 2.281 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD063638.D

Acq: 16 Aug 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

RBR-50

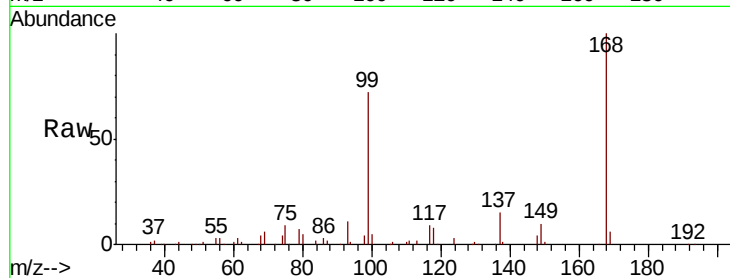
Tgt Ion: 56 Resp: 19917

Ion Ratio Lower Upper

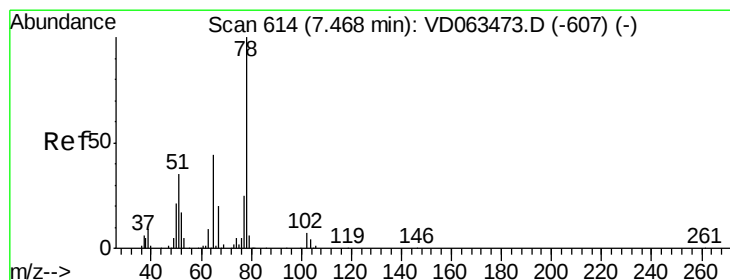
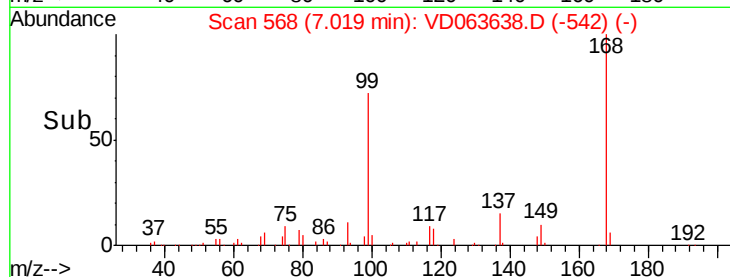
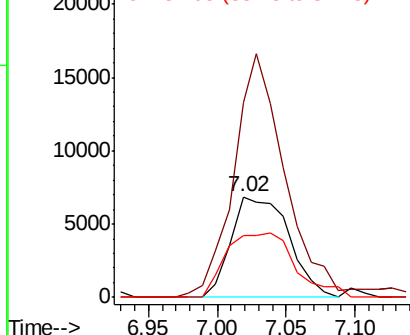
56 100

69 194.9 25.0 37.6#

84 62.0 69.7 104.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 51.974 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063638.D

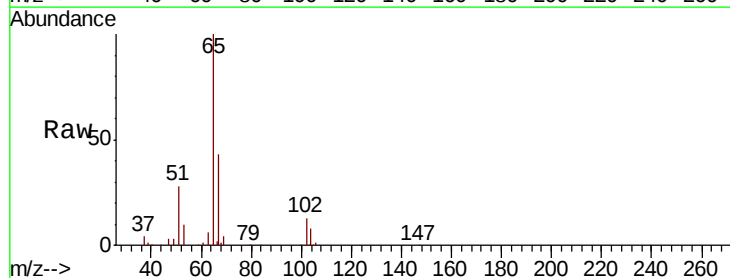
Acq: 16 Aug 2019 15:21

Tgt Ion: 65 Resp: 502725

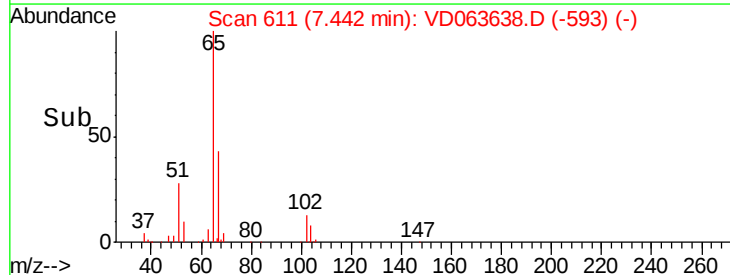
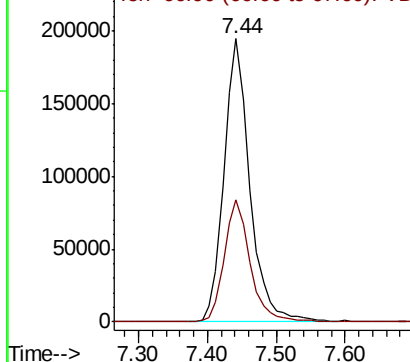
Ion Ratio Lower Upper

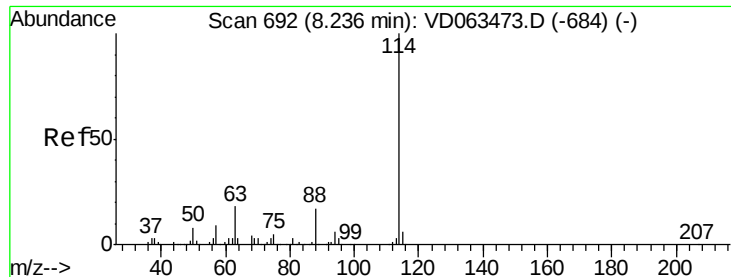
65 100

67 43.3 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. -0.03 min

Lab File: VD063638.D

Acq: 16 Aug 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

RBR-50

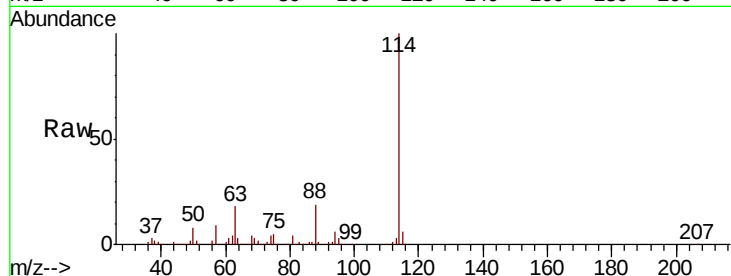
Tgt Ion:114 Resp: 1247063

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.2

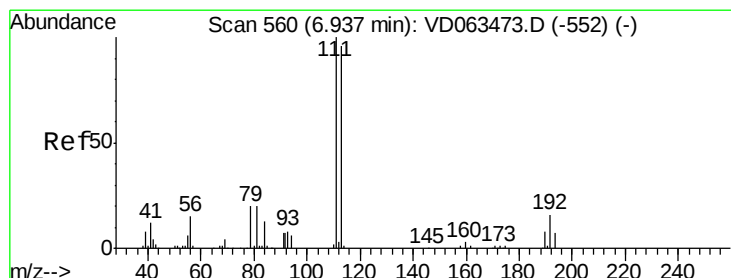
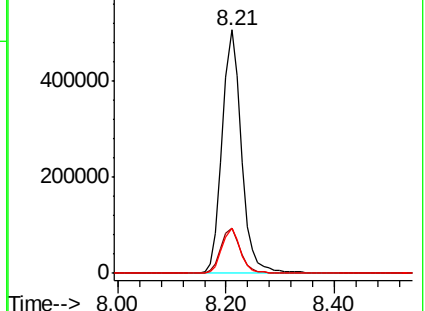
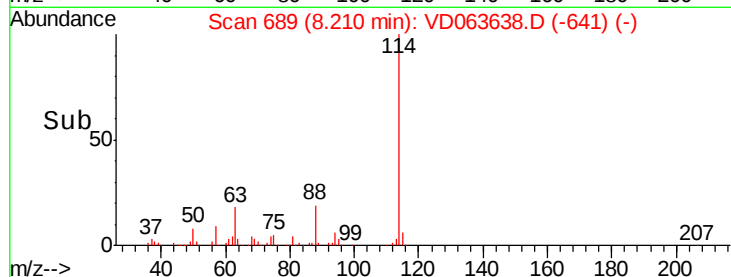
88 18.8 0.0 35.0



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: 50.045 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063638.D

Acq: 16 Aug 2019 15:21

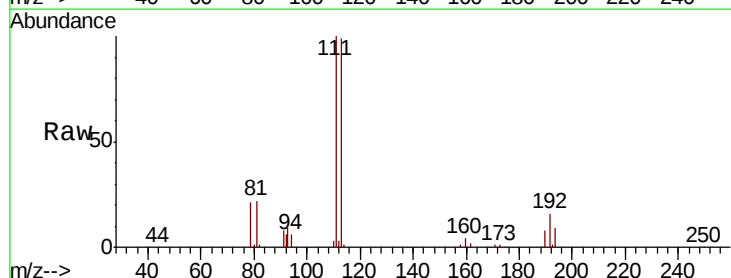
Tgt Ion:113 Resp: 525610

Ion Ratio Lower Upper

113 100

111 101.1 83.1 124.7

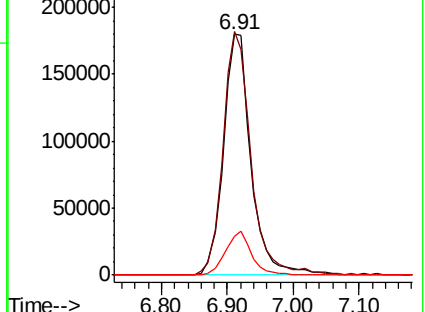
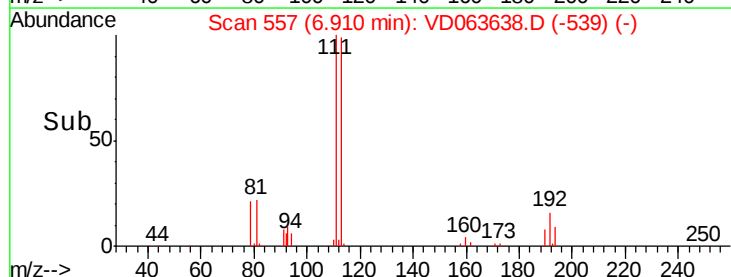
192 16.2 13.1 19.7

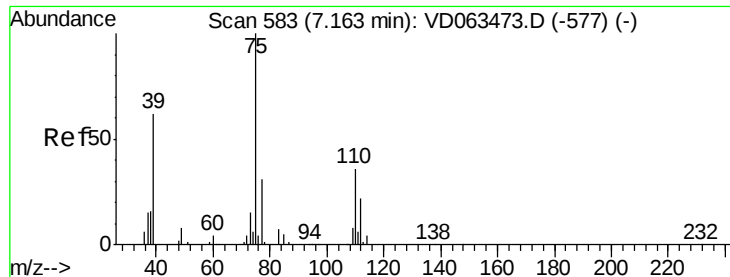


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

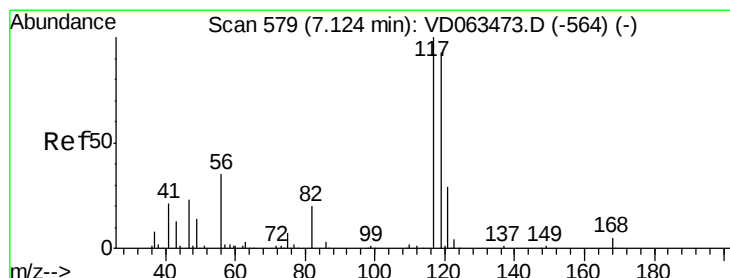
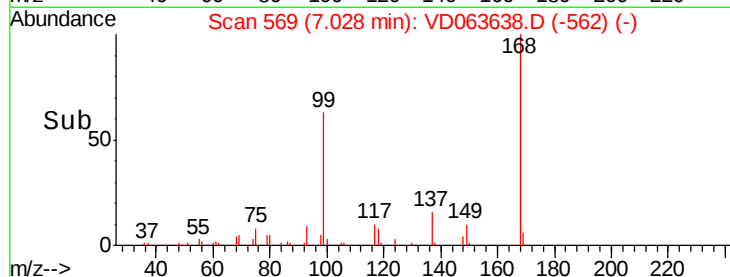
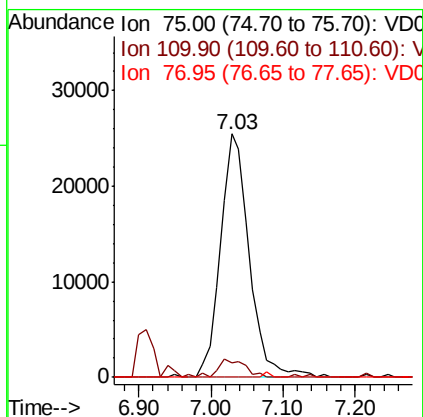
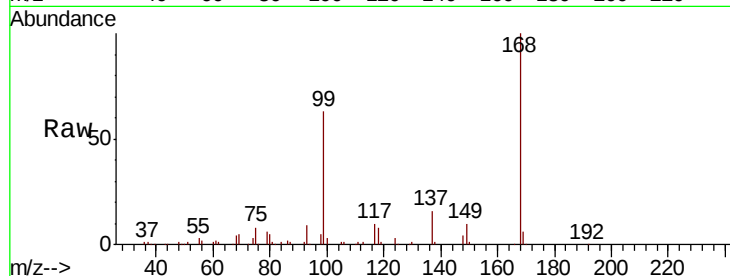




#36
 1,1-Dichloropropene
 Concen: 6.360 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.13 min
 Lab File: VD063638.D
 Acq: 16 Aug 2019 15:21

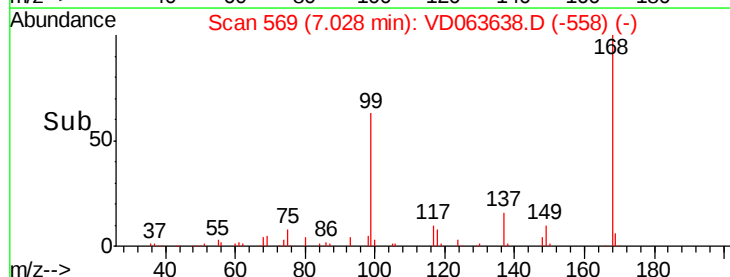
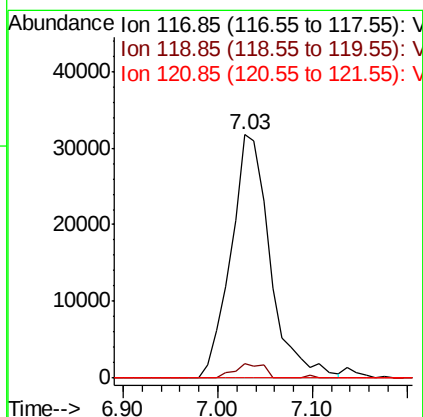
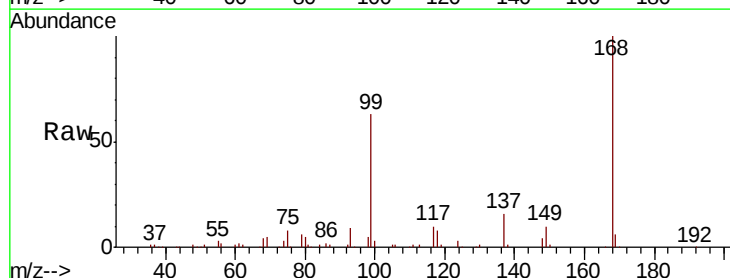
Instrument :
 MSVOA_D
 ClientSampleId :
 RBR-50

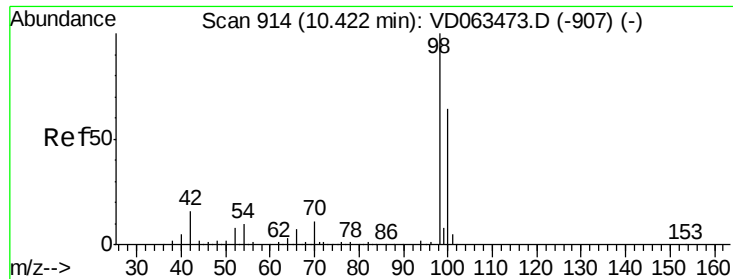
Tgt Ion: 75 Resp: 70114
 Ion Ratio Lower Upper
 75 100
 110 5.8 17.6 52.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 5.475 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.10 min
 Lab File: VD063638.D
 Acq: 16 Aug 2019 15:21

Tgt Ion: 117 Resp: 90971
 Ion Ratio Lower Upper
 117 100
 119 6.1 74.2 111.2#
 121 0.0 23.1 34.7#

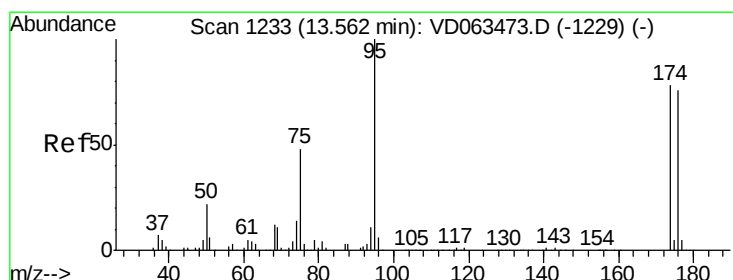
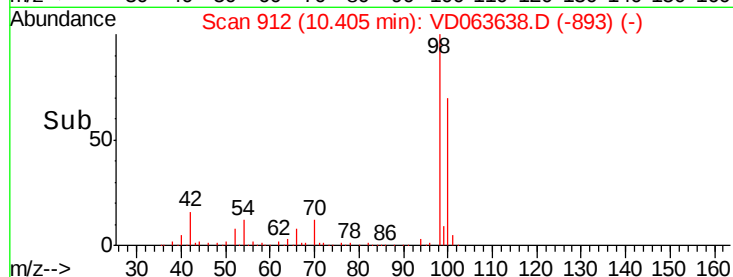
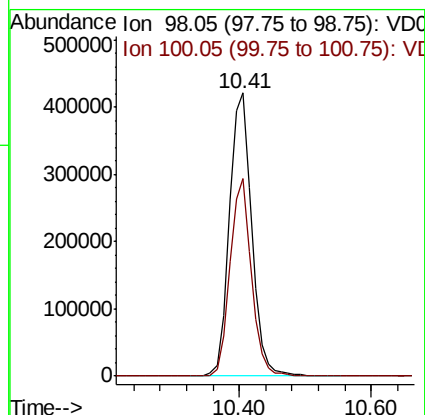
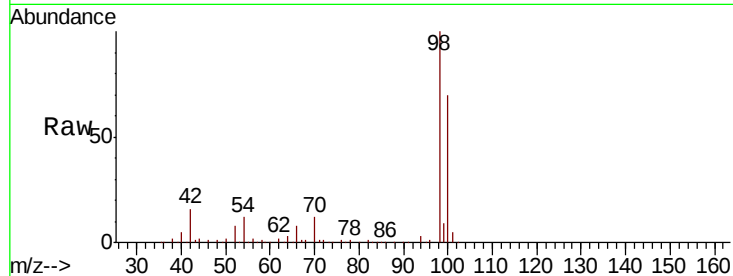




#50
Toluene-d8
Concen: 43.398 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063638.D
Acq: 16 Aug 2019 15:21

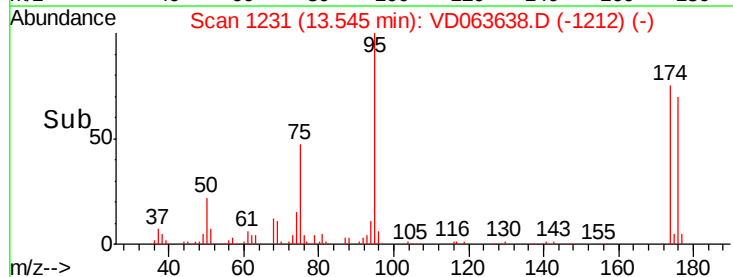
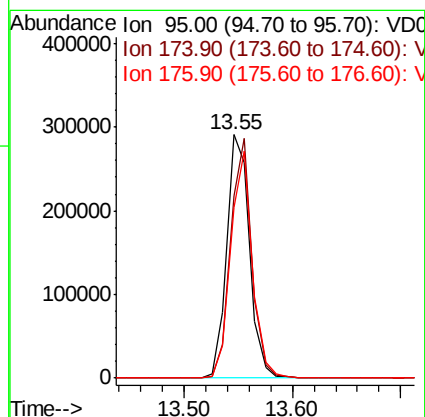
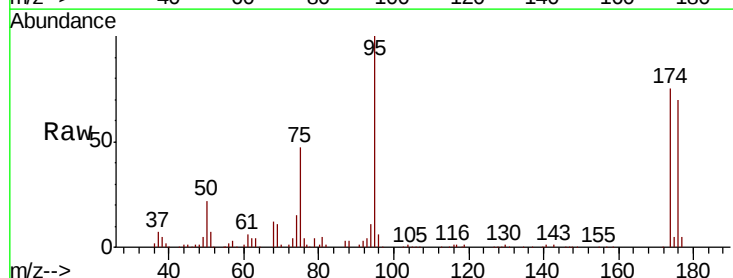
Instrument :
MSVOA_D
ClientSampleId :
RBR-50

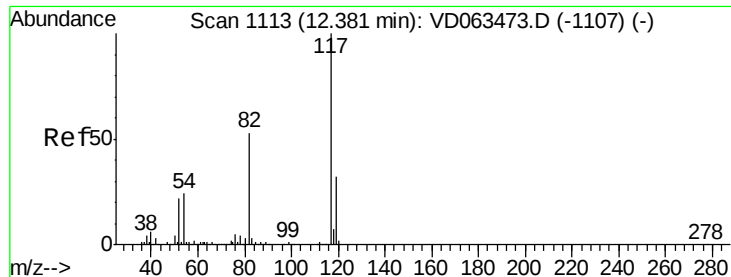
Tgt Ion: 98 Resp: 1002093
Ion Ratio Lower Upper
98 100
100 69.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 40.529 ug/l
RT: 13.55 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD063638.D
Acq: 16 Aug 2019 15:21

Tgt Ion: 95 Resp: 424165
Ion Ratio Lower Upper
95 100
174 74.7 0.0 155.4
176 70.3 0.0 152.4

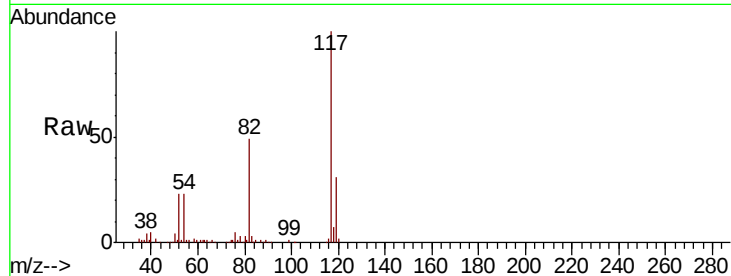




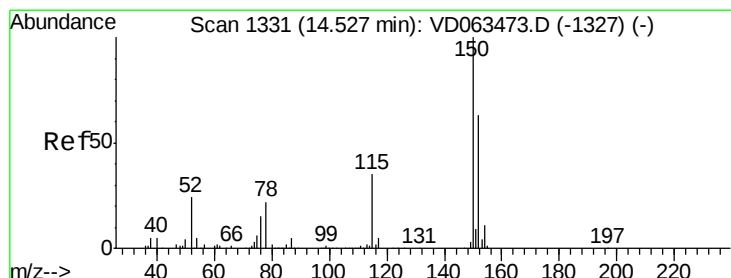
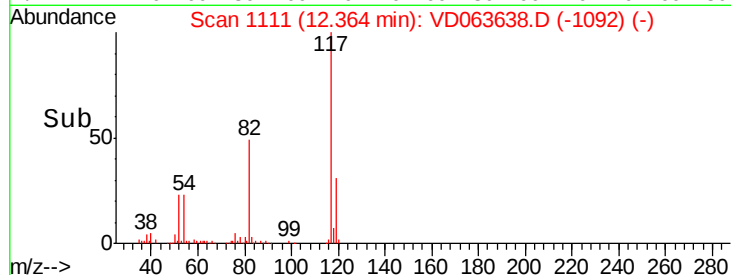
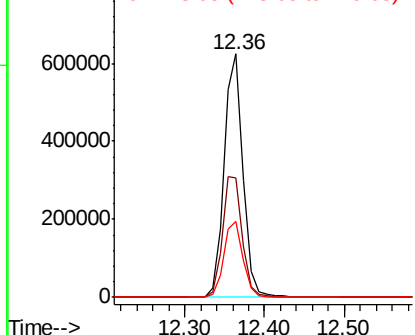
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063638.D
Acq: 16 Aug 2019 15:21

Instrument :
MSVOA_D
ClientSampled :
RBR-50

Tgt Ion:117 Resp: 1038384
Ion Ratio Lower Upper
117 100
82 49.0 42.0 63.0
119 31.1 25.4 38.0

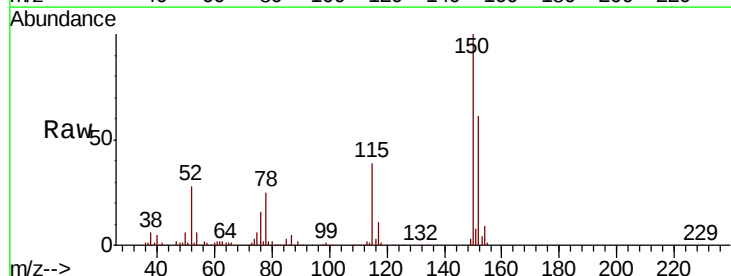


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

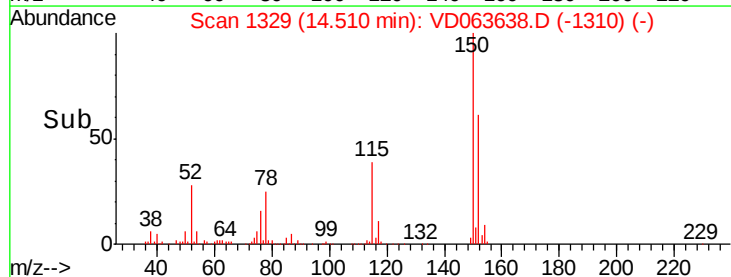
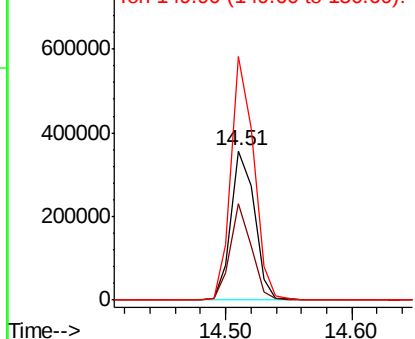


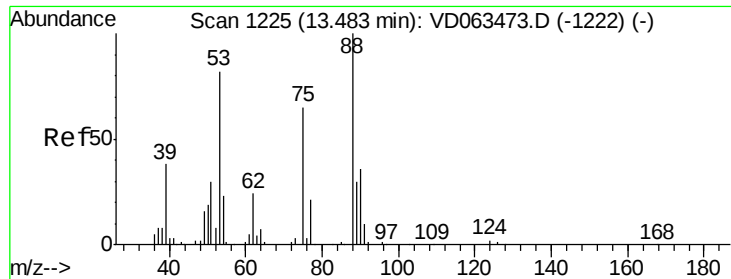
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063638.D
Acq: 16 Aug 2019 15:21

Tgt Ion:152 Resp: 460415
Ion Ratio Lower Upper
152 100
115 64.3 30.9 92.7
150 162.9 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





#81

trans-1,4-Dichloro-2-butene

Concen: 138.058 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063638.D

Acq: 16 Aug 2019 15:21

Instrument :

MSVOA_D

ClientSampleId :

RBR-50

Tgt Ion: 75 Resp: 196072

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#

