

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063172.D
 Acq On : 22 Jul 2019 13:02
 Operator : VA/AP
 Sample : K3622-09
 Misc : 6.65g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-A

Quant Time: Jul 23 08:05:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

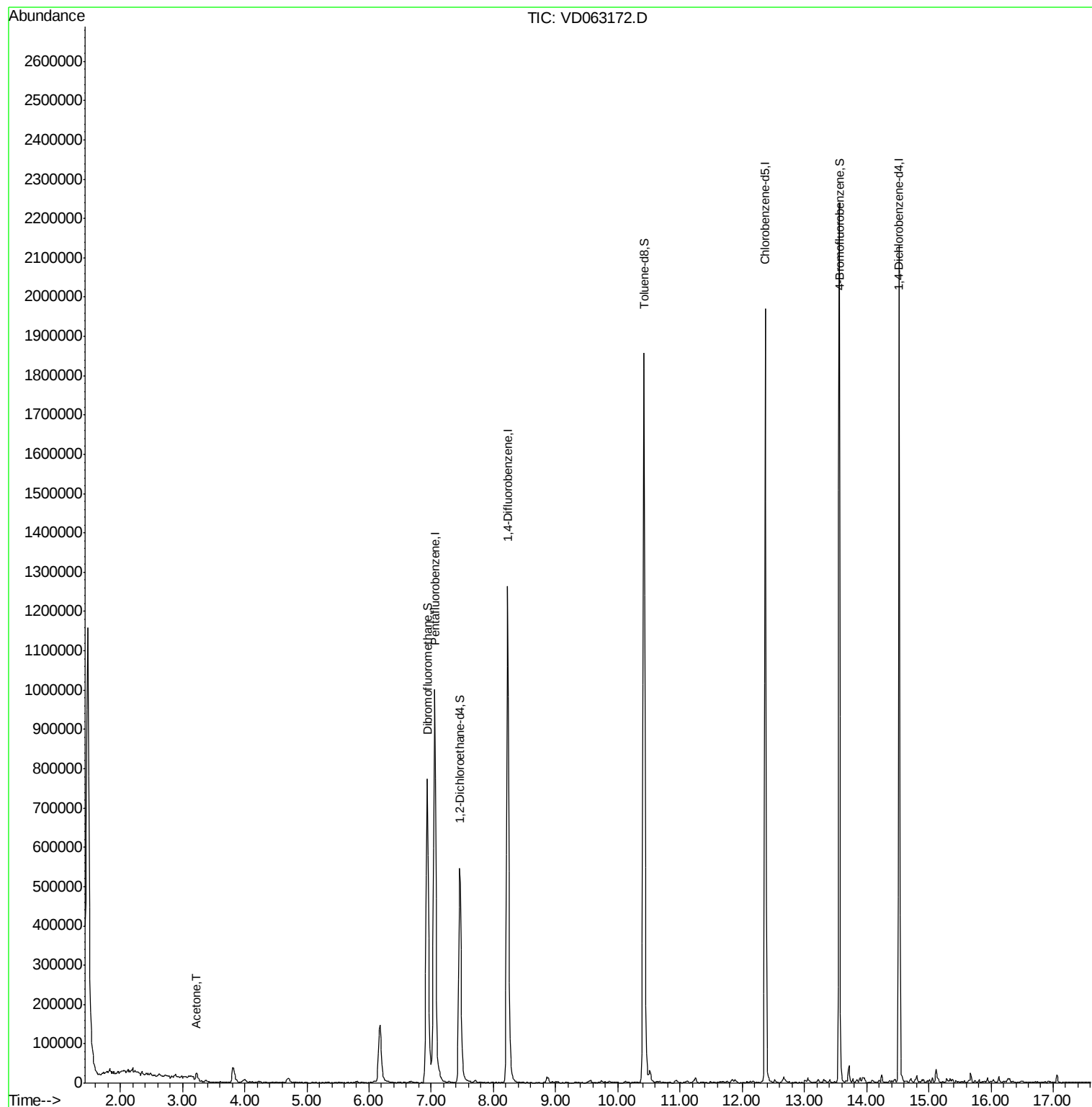
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	959888	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1335197	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1050348	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	488543	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	648696	54.25	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.50%	
35) Dibromofluoromethane	6.94	113	713284	53.63	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.26%	
50) Toluene-d8	10.42	98	1554808	54.43	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.86%	
62) 4-Bromofluorobenzene	13.56	95	610401	46.19	ug/l	0.01
Spiked Amount 50.000			Recovery	=	92.38%	
Target Compounds						
16) Acetone	3.23	43	44842	15.527	ug/l	Qvalue 95

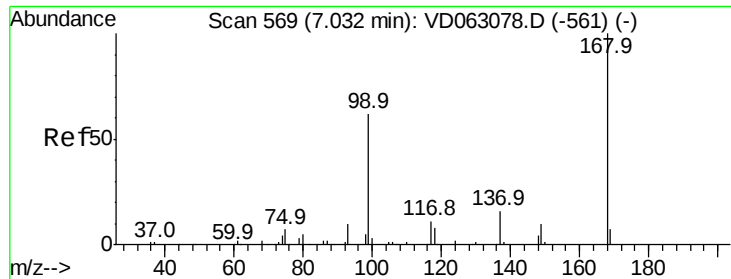
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 16 08:11:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

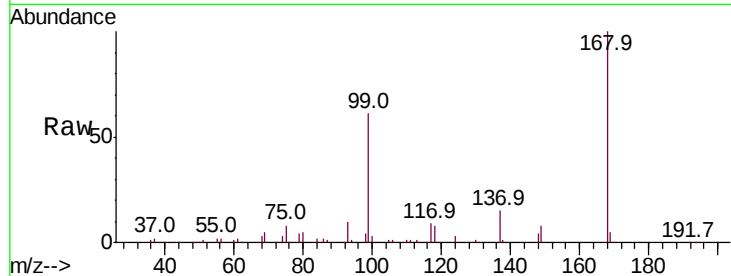
OR-02-071919-A

Tot Ion:168 Resp: 959888

Ion Ratio Lower Upper

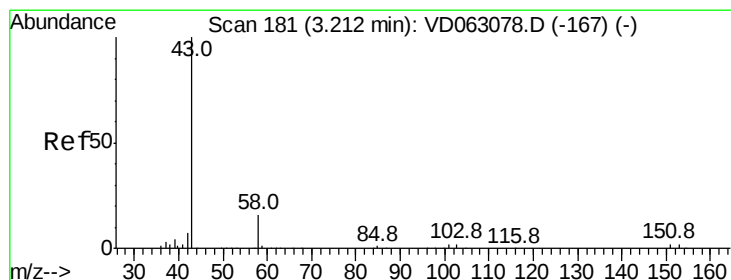
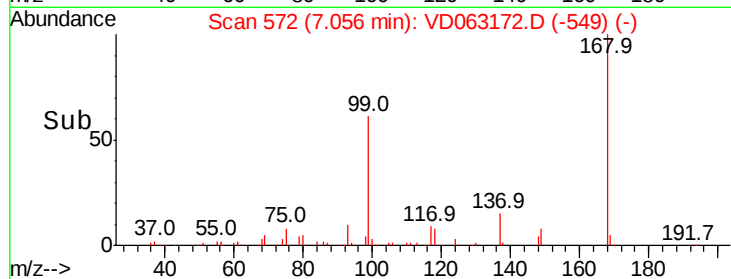
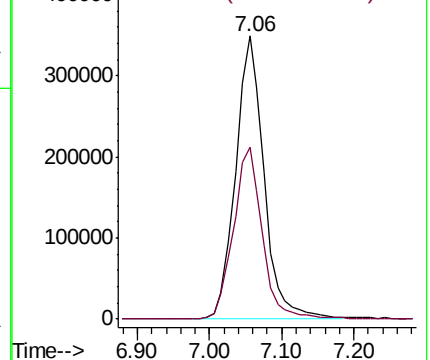
168 100

99 60.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 15.527 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063172.D

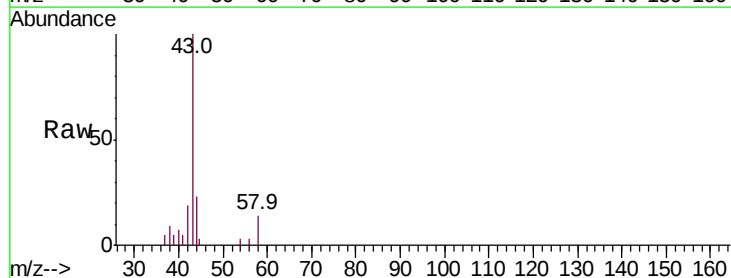
Acq: 22 Jul 2019 13:02

Tgt Ion: 43 Resp: 44842

Ion Ratio Lower Upper

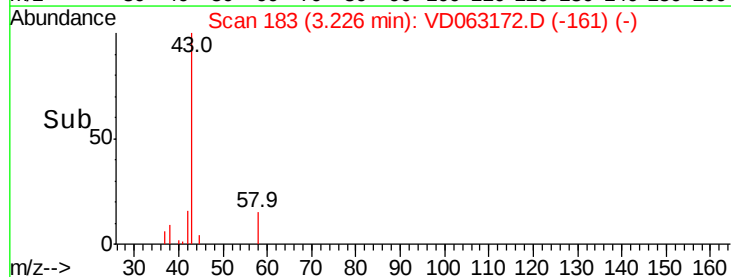
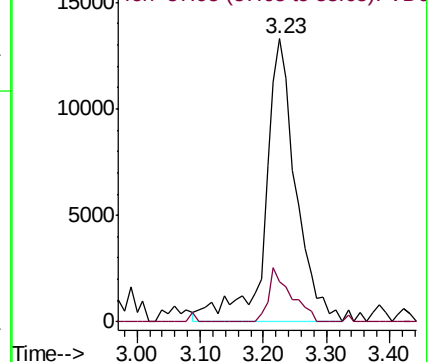
43 100

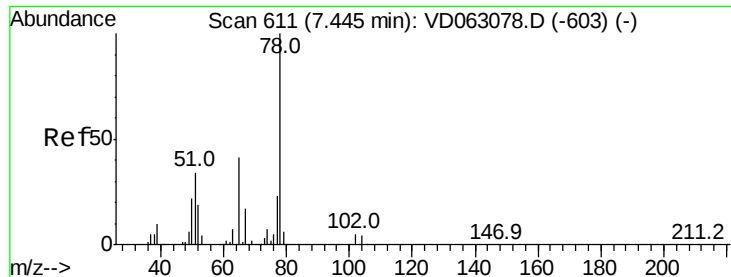
58 14.1 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.251 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

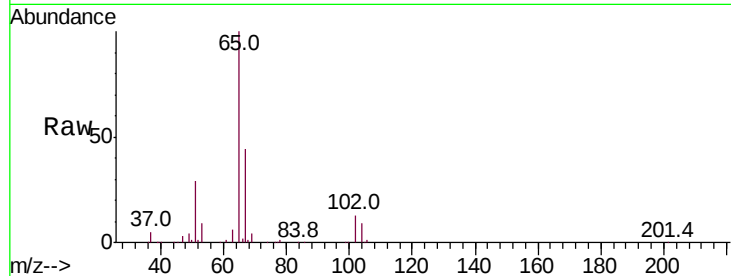
OR-02-071919-A

Tot Ion: 65 Resp: 648696

Ion Ratio Lower Upper

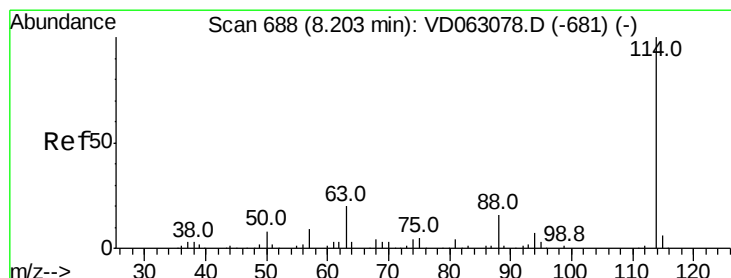
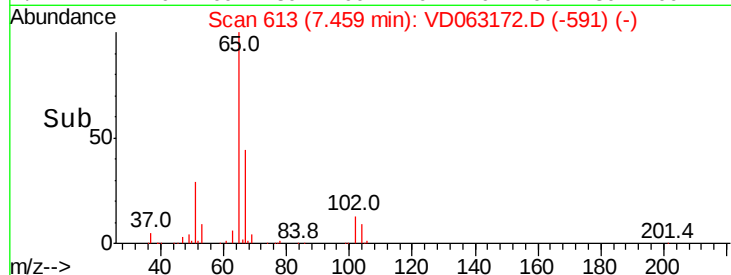
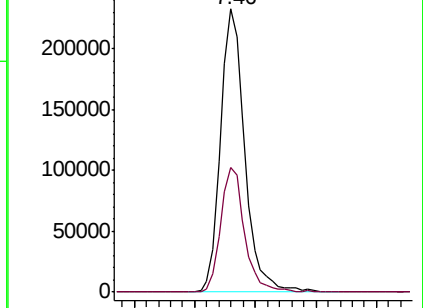
65 100

67 44.1 0.0 86.0



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: 8.23 min Scan# 691

Delta R.T. 0.02 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

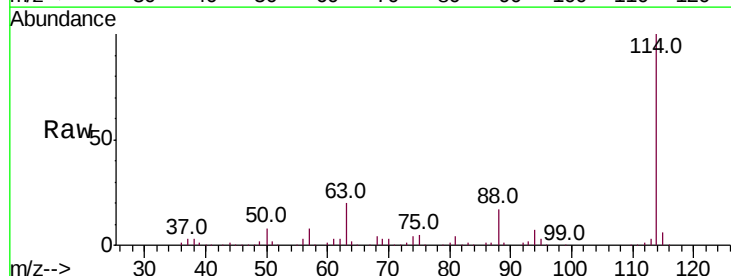
Tgt Ion: 114 Resp: 1335197

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

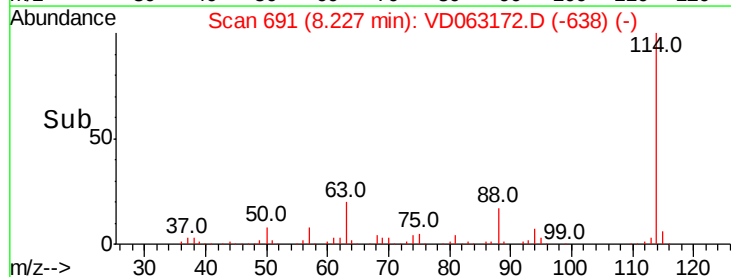
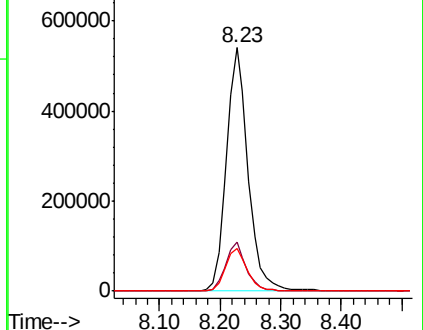
88 17.3 0.0 32.6

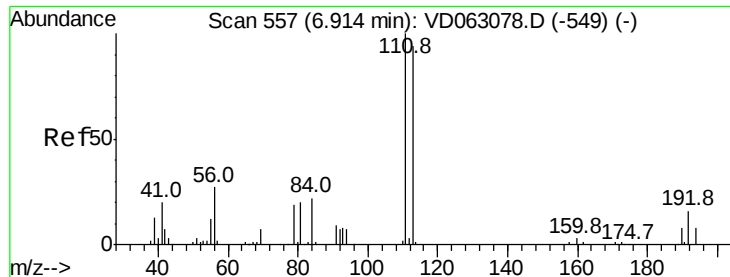


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

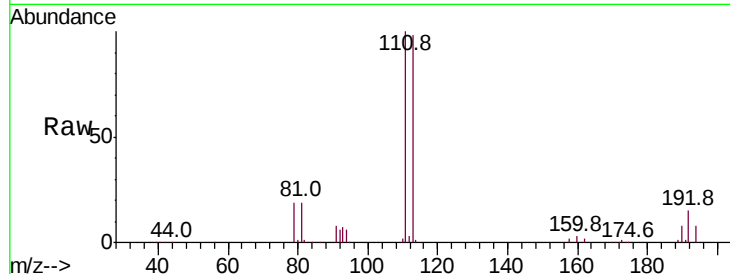




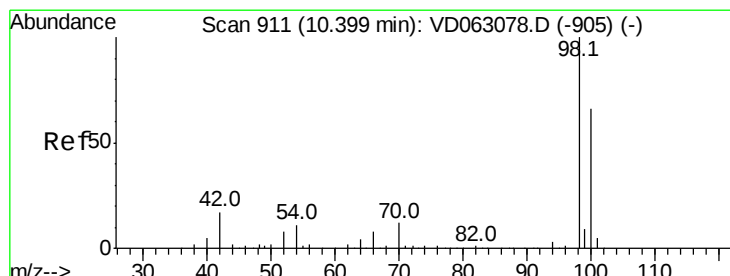
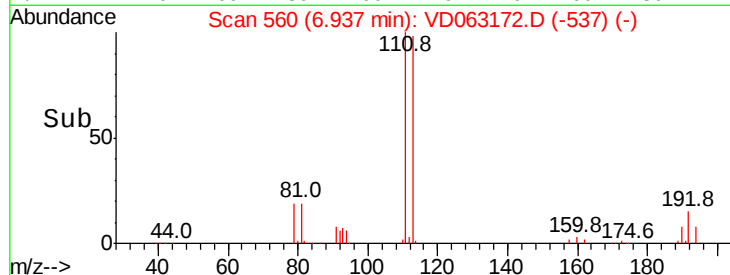
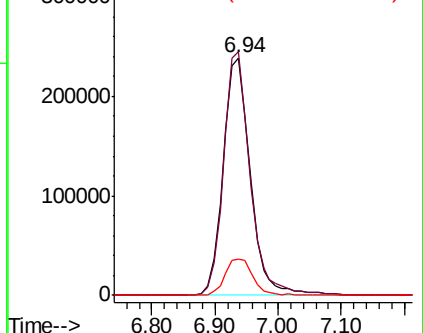
#35
 Dibromofluoromethane
 Concen: 53.635 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.02 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-A

Tot Ion:113 Resp: 713284
 Ion Ratio Lower Upper
 113 100
 111 102.4 84.8 127.2
 192 15.0 13.4 20.0

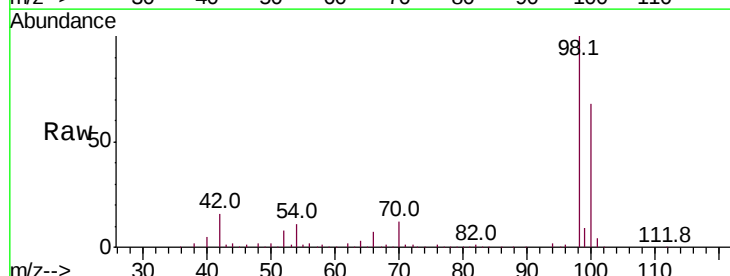


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

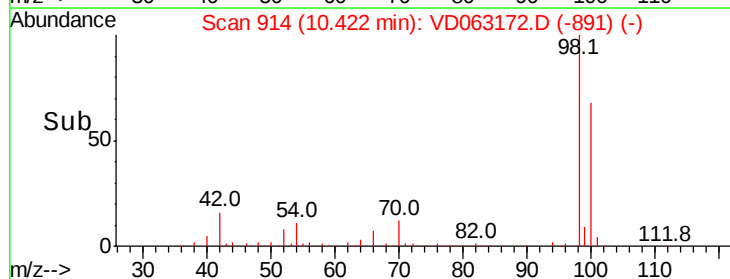
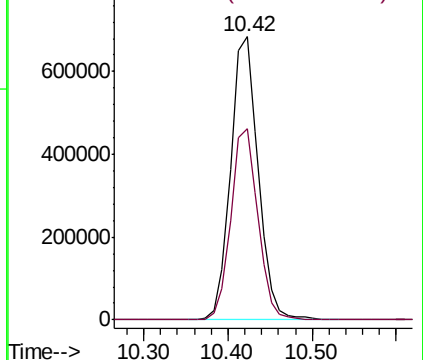


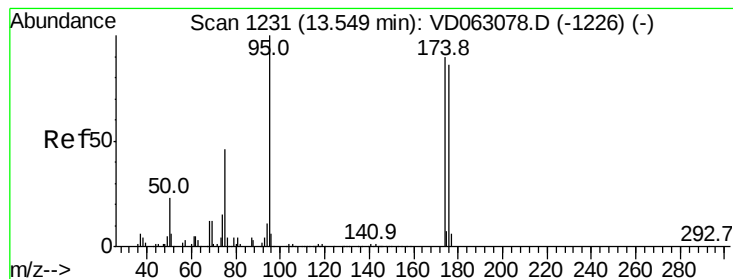
#50
 Toluene-d8
 Concen: 54.428 ug/l
 RT: 10.42 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VD063172.D
 Acq: 22 Jul 2019 13:02

Tgt Ion: 98 Resp: 1554808
 Ion Ratio Lower Upper
 98 100
 100 67.7 53.5 80.3



Abundance Ion 98.05 (97.75 to 98.75): V
 Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: 46.188 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-A

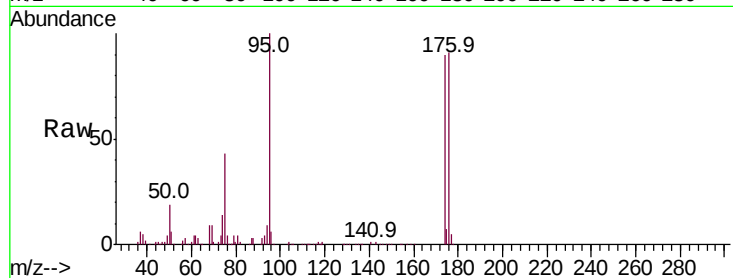
Tot Ion: 95 Resp: 610401

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

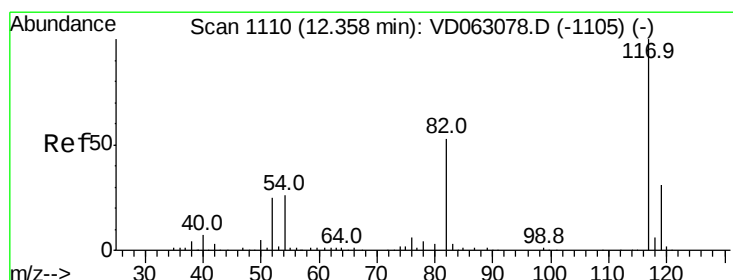
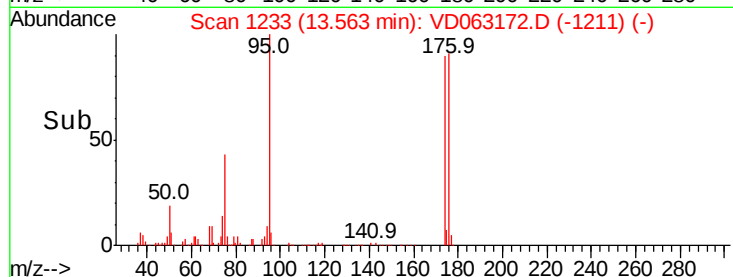
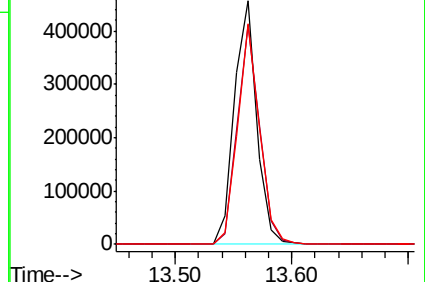
176 90.8 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

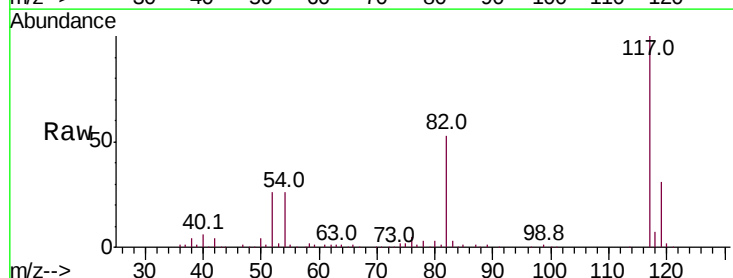
Tgt Ion: 117 Resp: 1050348

Ion Ratio Lower Upper

117 100

82 53.0 42.3 63.5

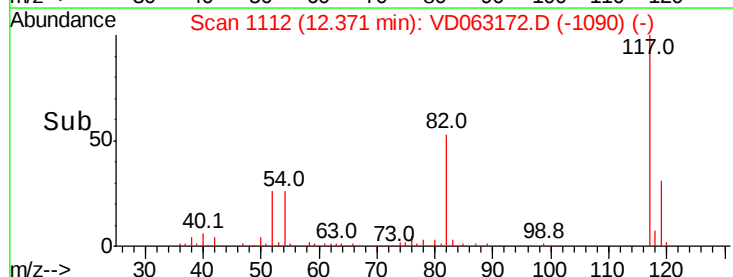
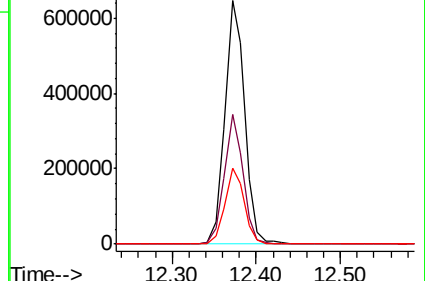
119 31.2 25.2 37.8

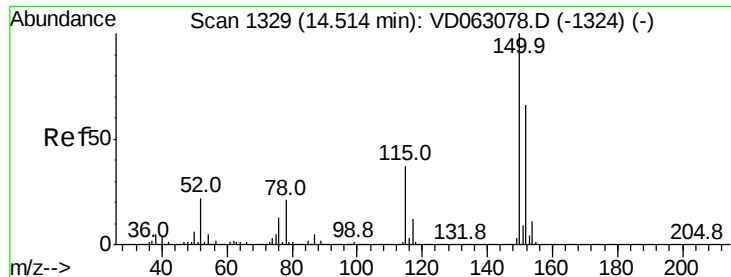


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063172.D

Acq: 22 Jul 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-A

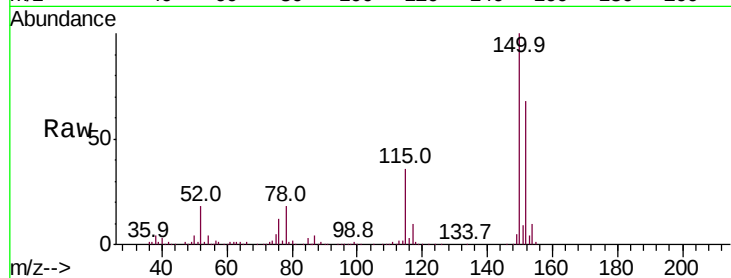
Tot Ion:152 Resp: 488543

Ion Ratio Lower Upper

152 100

115 52.1 28.9 86.8

150 146.5 0.0 313.8



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

