

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082119\
 Data File : VD063712.D
 Acq On : 21 Aug 2019 14:53
 Operator : JC/SY
 Sample : K4388-20
 Misc : 4.51g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-E4-(0)

Quant Time: Aug 22 01:52:10 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

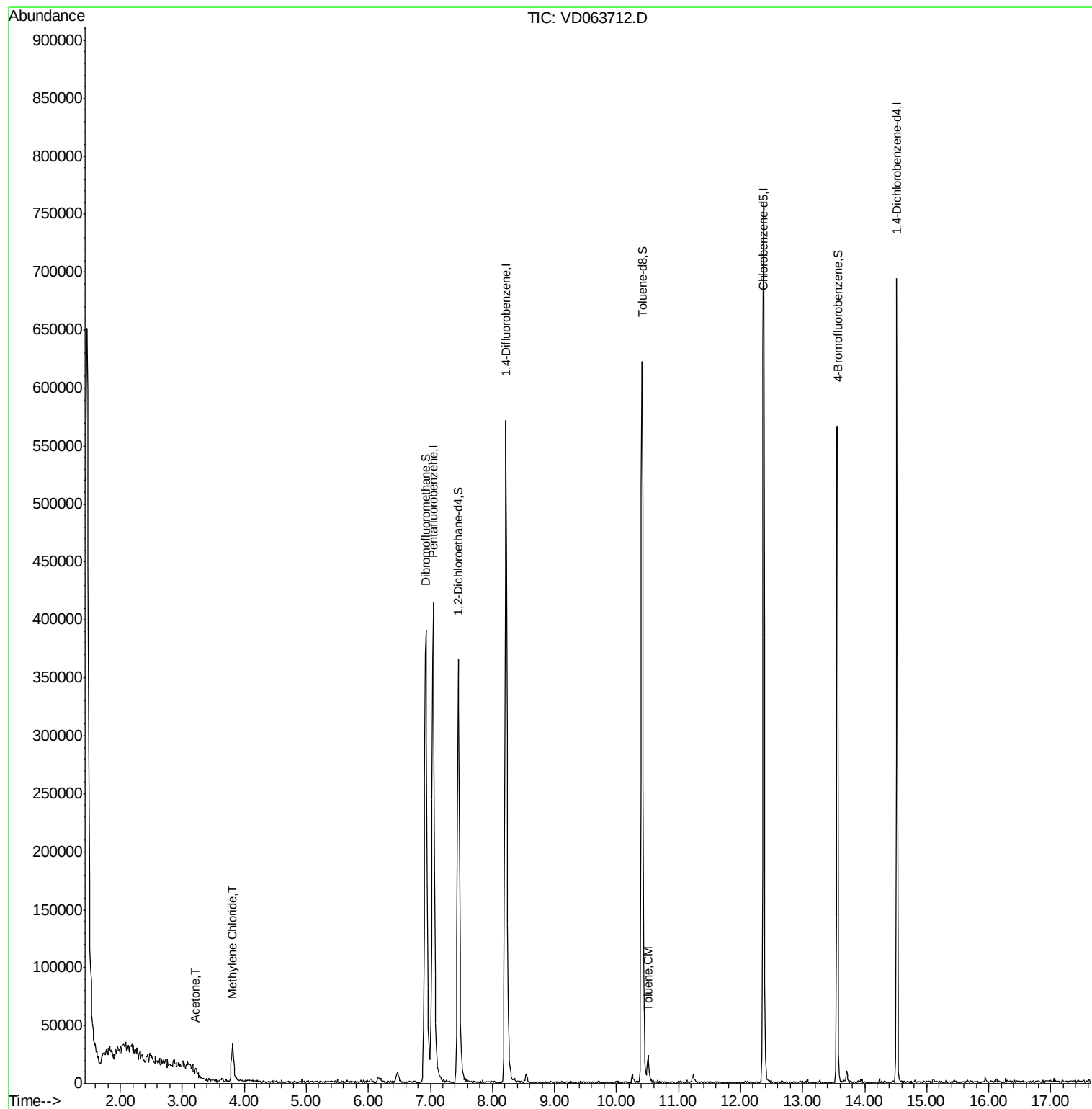
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	393543	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	613440	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	415328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	143593	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	382966	91.04	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	182.08%	
35) Dibromofluoromethane	6.93	113	350939	67.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.86%	
50) Toluene-d8	10.41	98	512832	45.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.30%	
62) 4-Bromofluorobenzene	13.55	95	173452	33.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.38%	
Target Compounds						
16) Acetone	3.22	43	20287	23.724	ug/l #	46
20) Methylene Chloride	3.81	84	19136	5.175	ug/l #	89
52) Toluene	10.51	92	11840	1.540	ug/l	94

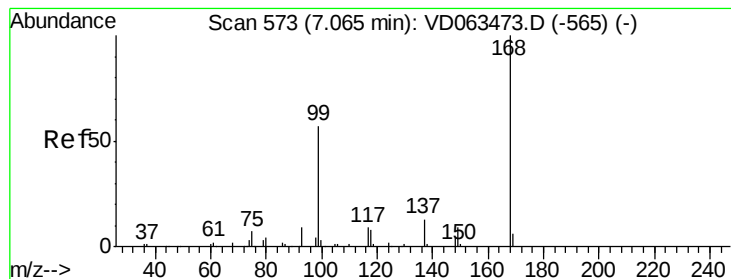
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082119\
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QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063712.D

Acq: 21 Aug 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

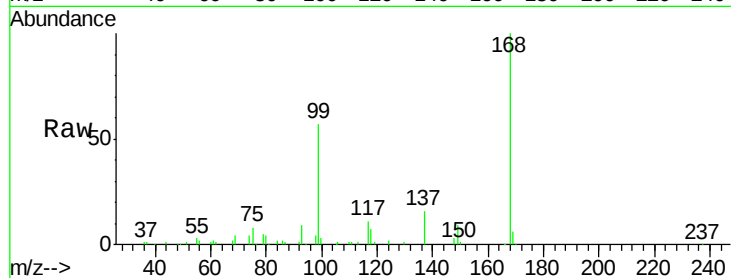
T6-E4-(0)

Tot Ion:168 Resp: 393543

Ion Ratio Lower Upper

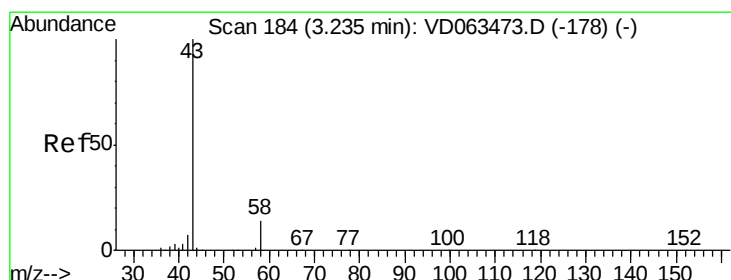
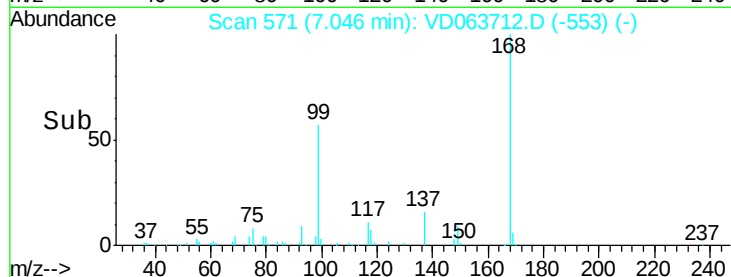
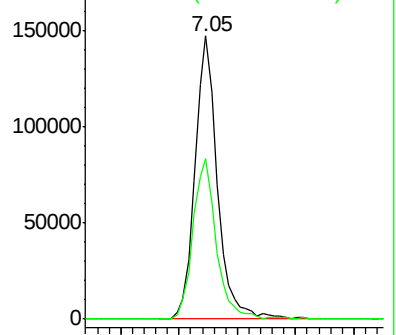
168 100

99 56.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 23.724 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063712.D

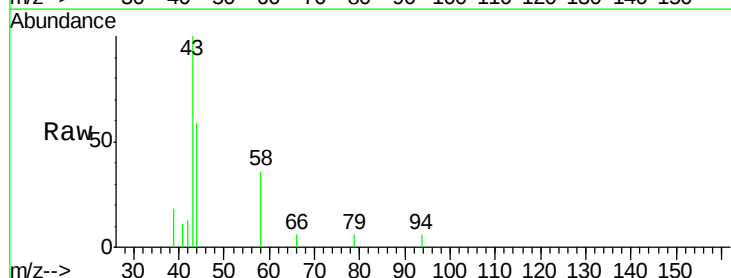
Acq: 21 Aug 2019 14:53

Tgt Ion: 43 Resp: 20287

Ion Ratio Lower Upper

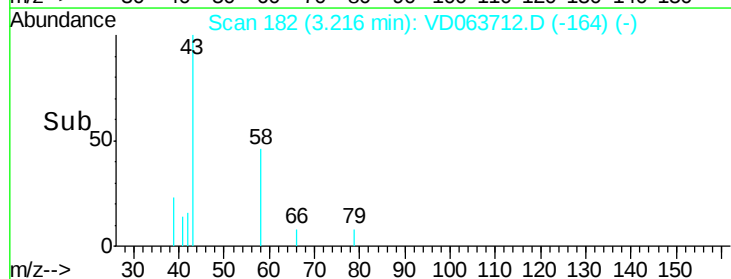
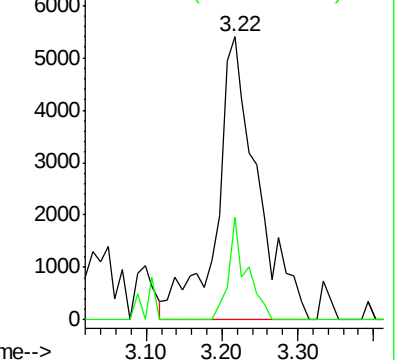
43 100

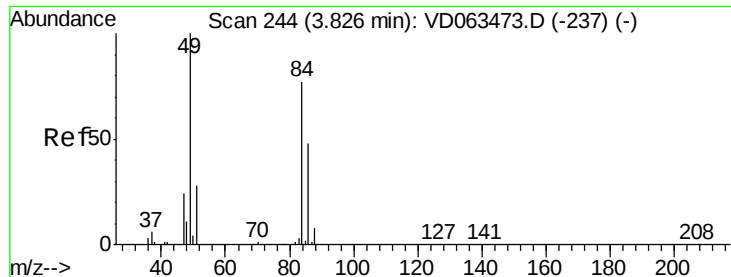
58 36.2 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

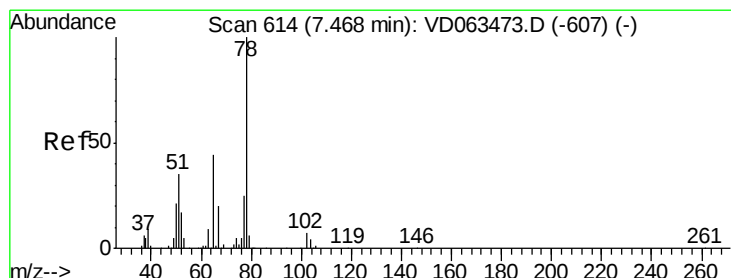
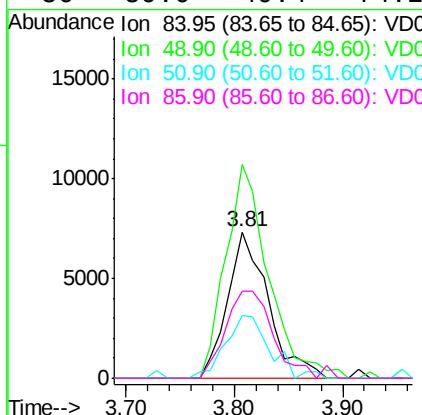
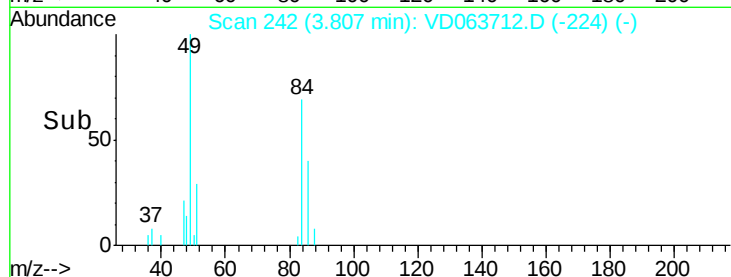
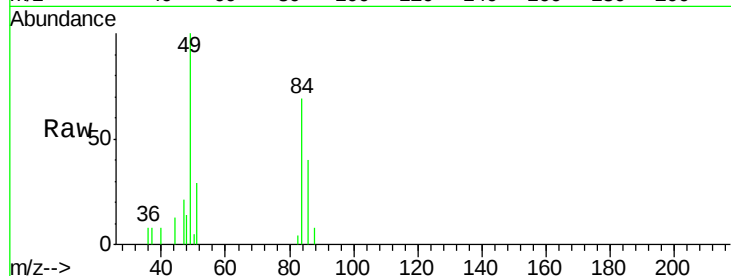




#20
Methylene Chloride
Concen: 5.175 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.02 min
Lab File: VD063712.D
Acq: 21 Aug 2019 14:53

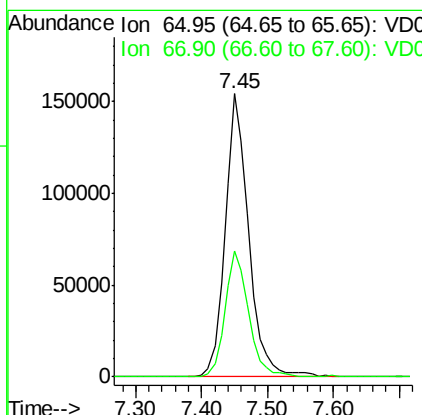
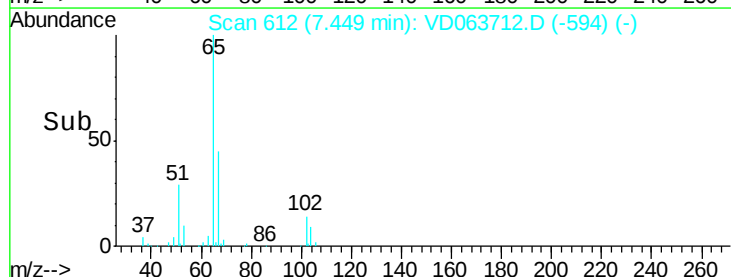
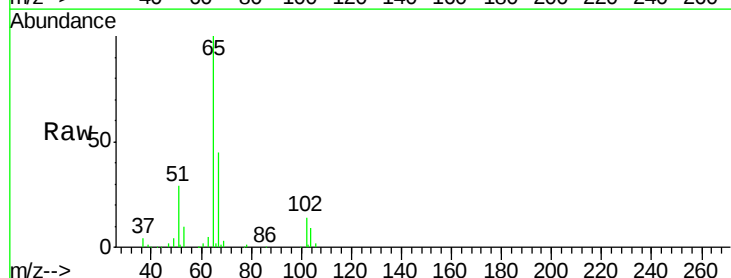
Instrument :
MSVOA_D
ClientSampleId :
T6-E4-(0)

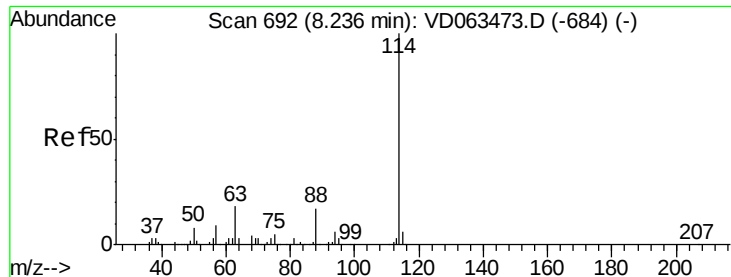
Tot Ion: 84 Resp: 19136
Ion Ratio Lower Upper
84 100
49 145.7 103.4 155.2
51 42.8 28.5 42.7#
86 59.0 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 91.038 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.02 min
Lab File: VD063712.D
Acq: 21 Aug 2019 14:53

Tgt Ion: 65 Resp: 382966
Ion Ratio Lower Upper
65 100
67 44.5 0.0 89.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063712.D

Acq: 21 Aug 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

T6-E4-(0)

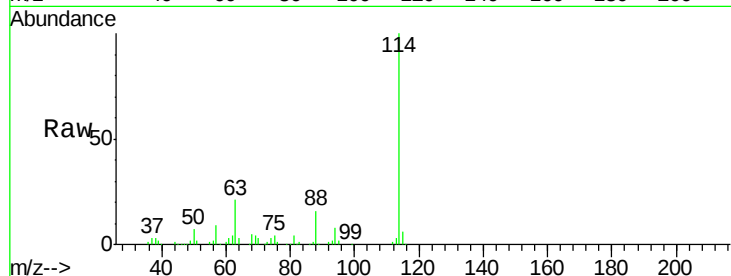
Tot Ion:114 Resp: 613440

Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.2

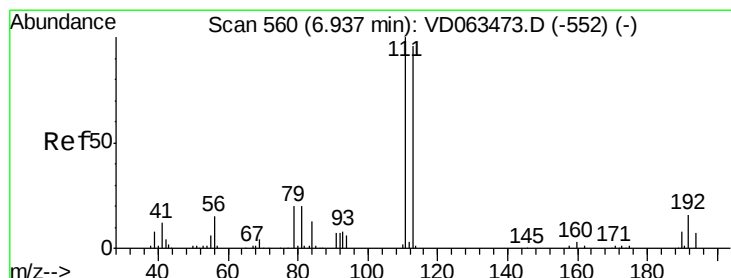
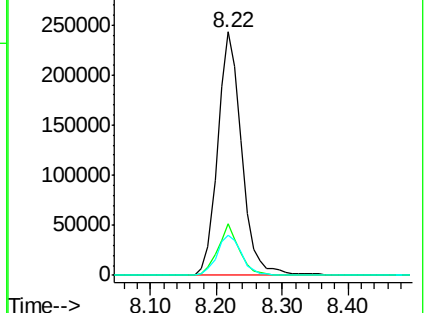
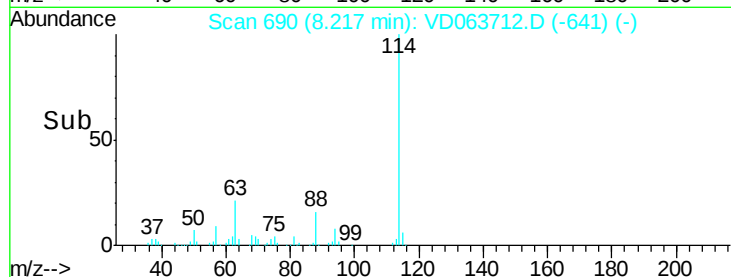
88 16.5 0.0 35.0



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: 67.927 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063712.D

Acq: 21 Aug 2019 14:53

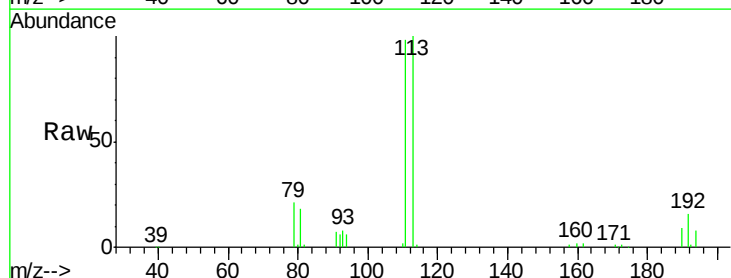
Tgt Ion:113 Resp: 350939

Ion Ratio Lower Upper

113 100

111 98.2 83.1 124.7

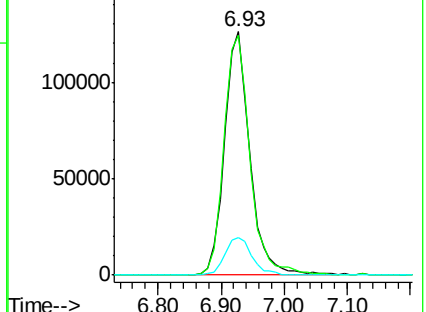
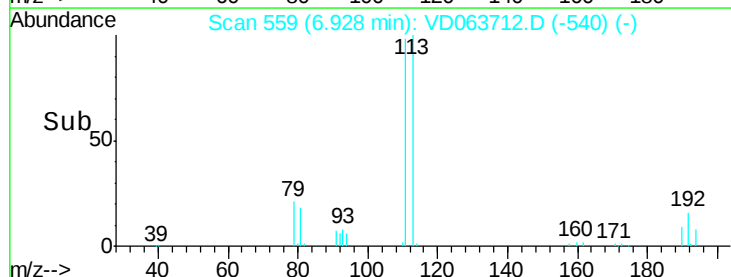
192 15.5 13.1 19.7

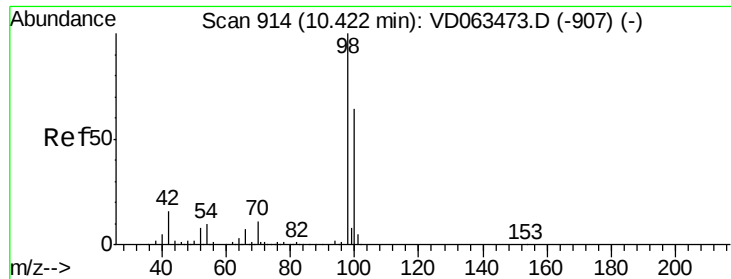


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

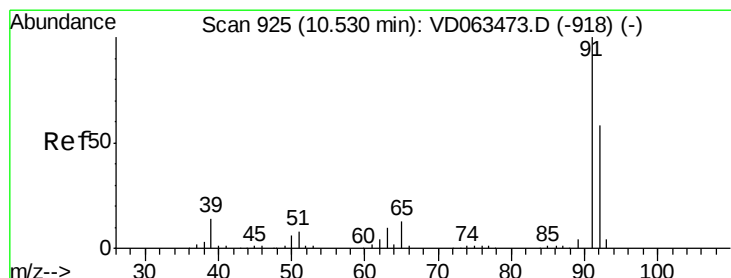
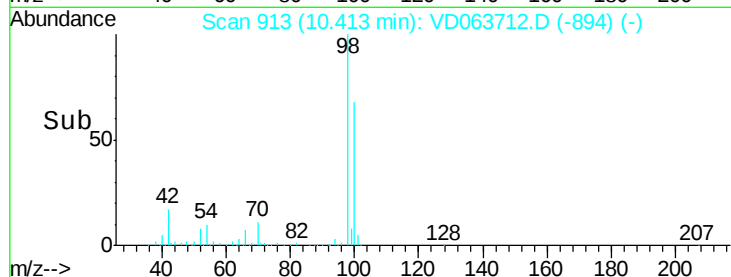
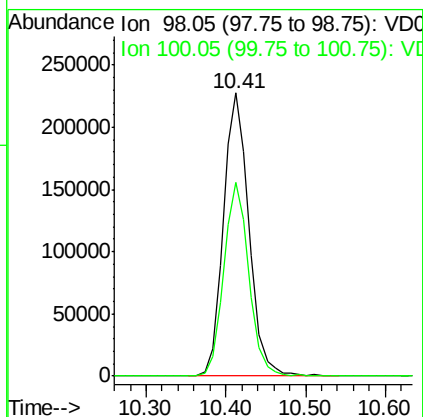
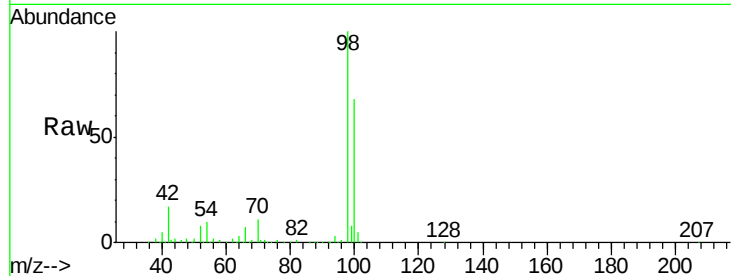




#50
Toluene-d8
Concen: 45.149 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD063712.D
Acq: 21 Aug 2019 14:53

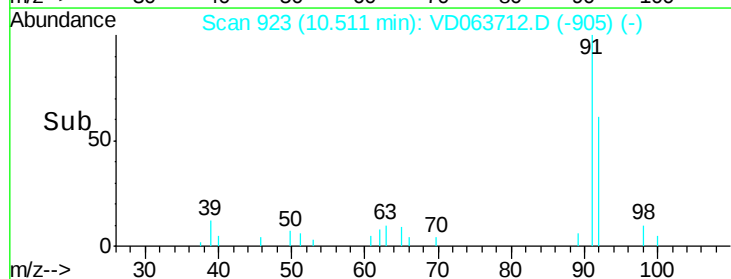
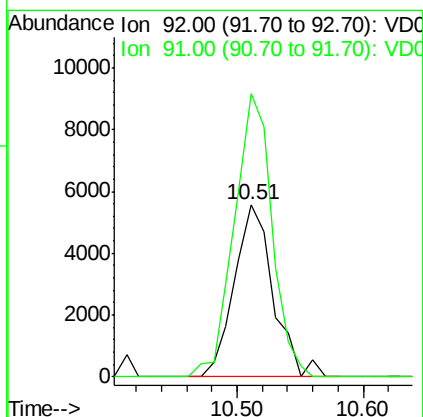
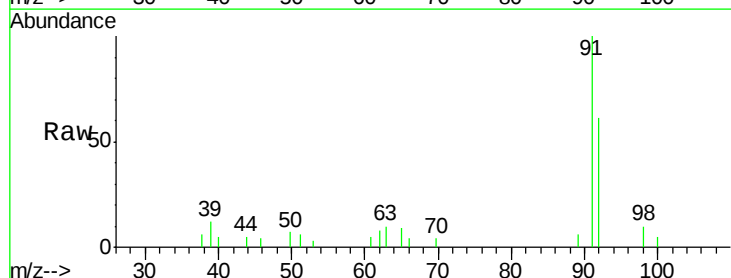
Instrument :
MSVOA_D
ClientSampleId :
T6-E4-(0)

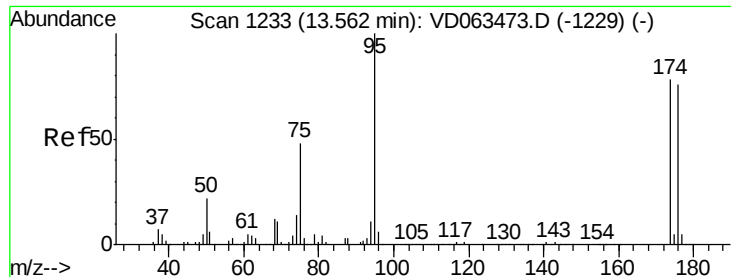
Tot Ion: 98 Resp: 512832
Ion Ratio Lower Upper
98 100
100 68.3 51.7 77.5



#52
Toluene
Concen: 1.540 ug/l
RT: 10.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: VD063712.D
Acq: 21 Aug 2019 14:53

Tgt Ion: 92 Resp: 11840
Ion Ratio Lower Upper
92 100
91 164.4 137.9 206.9





#62

4-Bromofluorobenzene

Concen: 33.692 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063712.D

Acq: 21 Aug 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

T6-E4-(0)

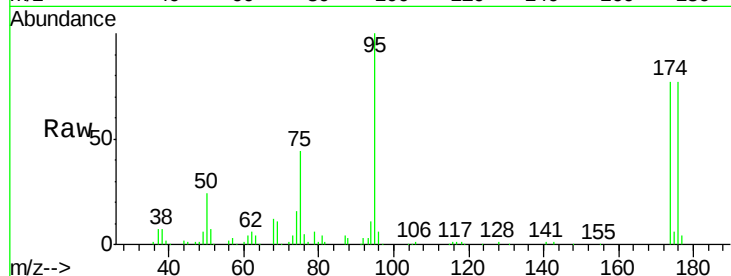
Tot Ion: 95 Resp: 173452

Ion Ratio Lower Upper

95 100

174 77.2 0.0 155.4

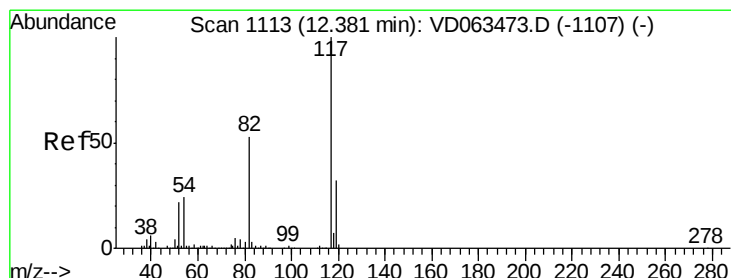
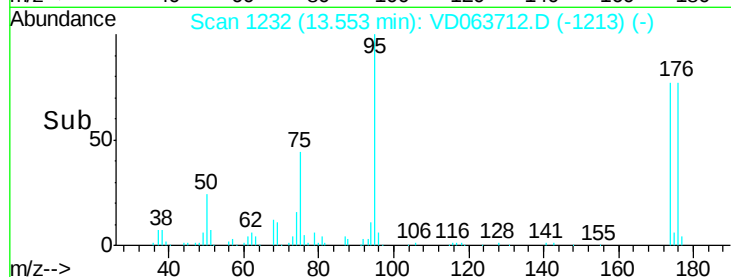
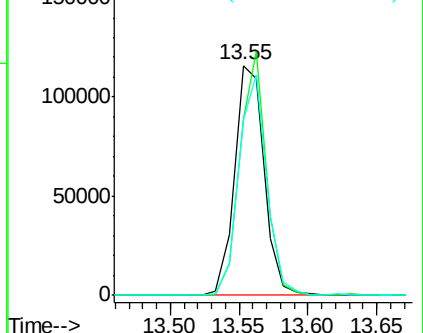
176 76.5 0.0 152.4



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: VD063712.D

Acq: 21 Aug 2019 14:53

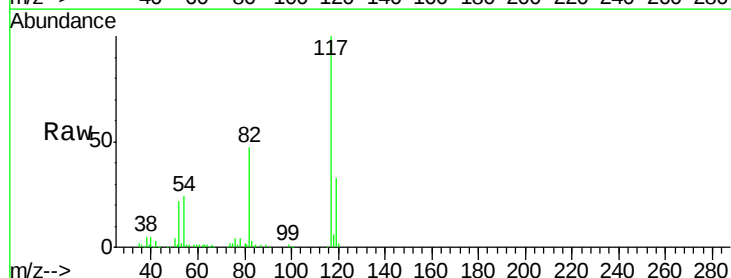
Tgt Ion: 117 Resp: 415328

Ion Ratio Lower Upper

117 100

82 47.5 42.0 63.0

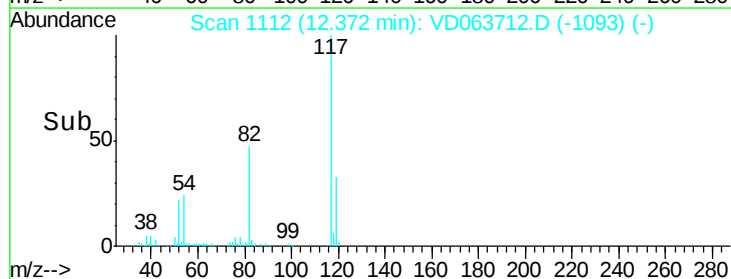
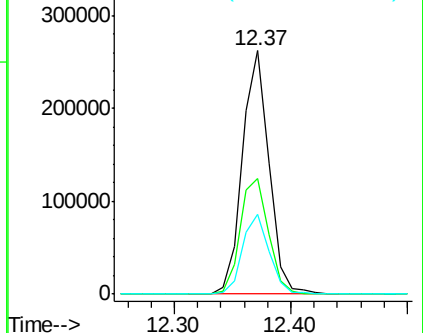
119 32.8 25.4 38.0

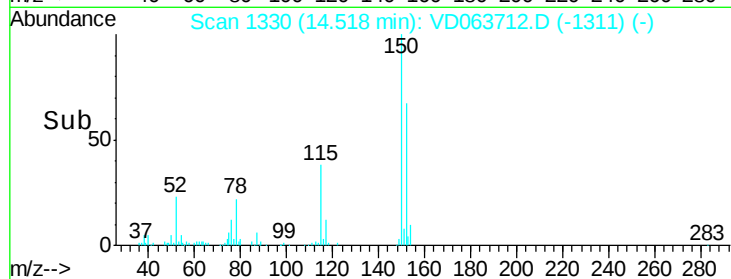
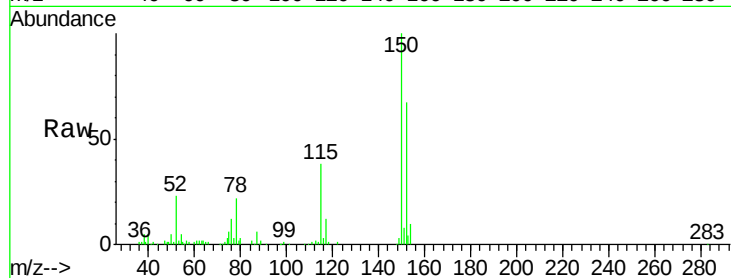
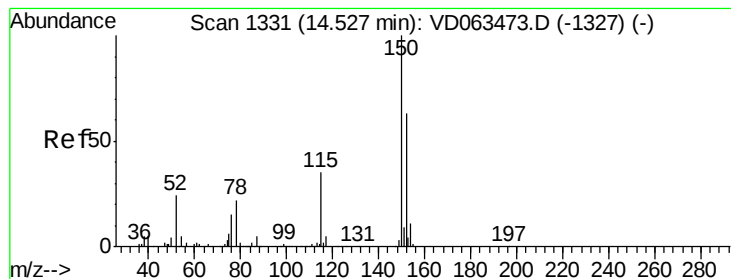


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD063712.D

Acq: 21 Aug 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

T6-E4-(0)

Tot Ion:152 Resp: 143593

Ion Ratio Lower Upper

152 100

115 56.2 30.9 92.7

150 149.4 0.0 318.6

