

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063773.D
 Acq On : 23 Aug 2019 18:22
 Operator : JC/SY
 Sample : K4461-17RE
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-09-5.5-6.0RE

Quant Time: Aug 26 11:41:29 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	18709	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	25054	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	24131	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	13009	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	18769	93.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	187.70%	
35) Dibromofluoromethane	6.91	113	15894	75.32	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	150.64%	
50) Toluene-d8	10.40	98	37266	80.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	160.66%	
62) 4-Bromofluorobenzene	13.55	95	15215	72.36	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	144.72%	

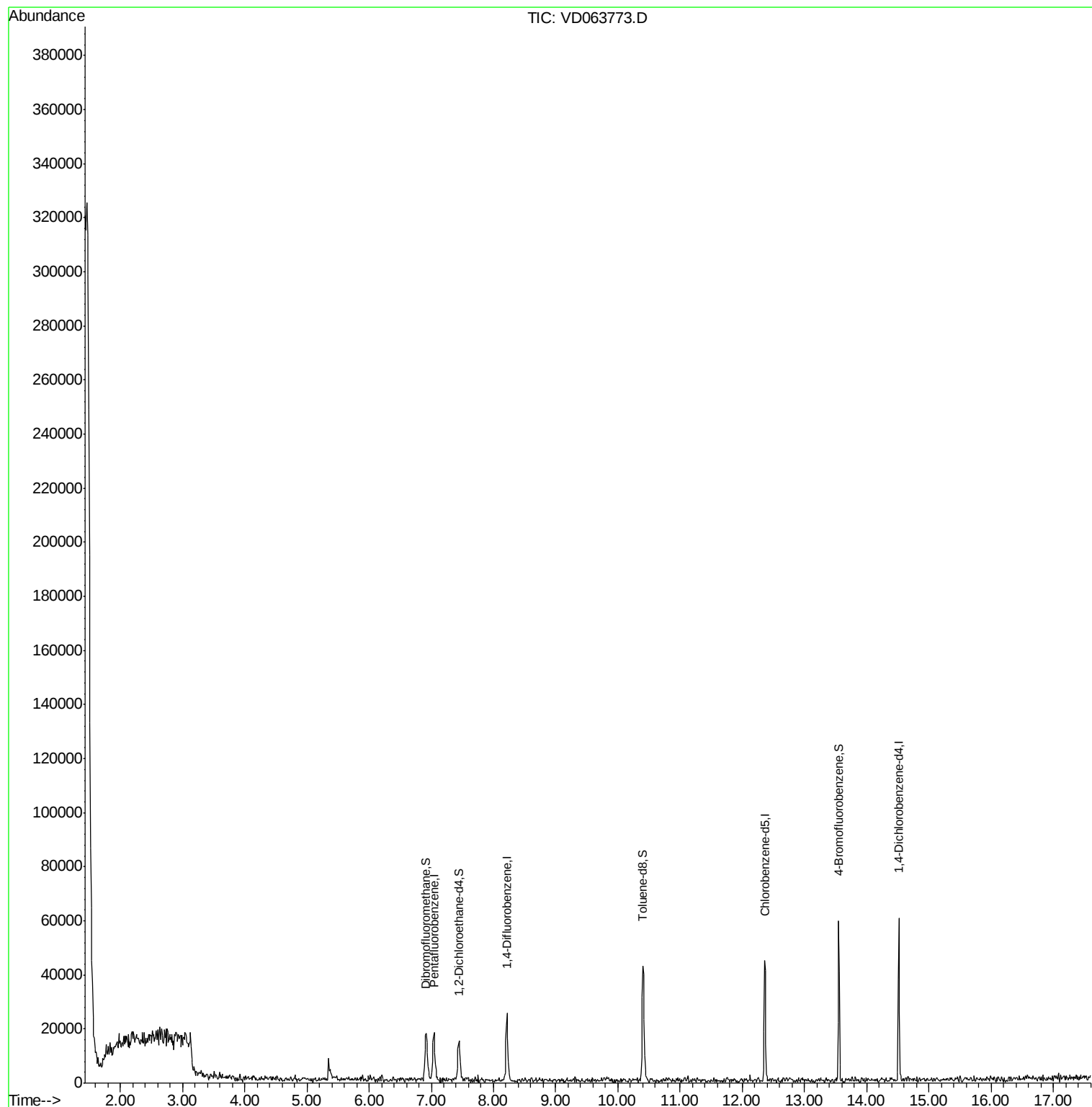
Target Compounds	Qvalue
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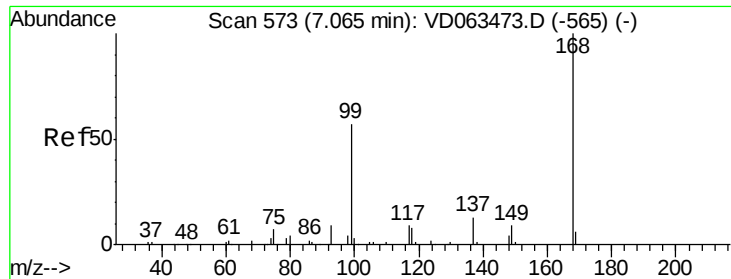
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.02 min

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Acq: 23 Aug 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

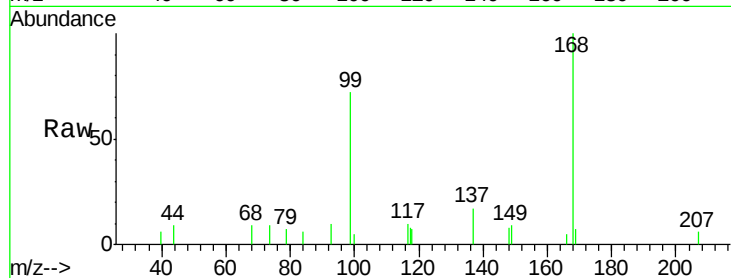
SB-09-5.5-6.0RE

Tot Ion:168 Resp: 18709

Ion Ratio Lower Upper

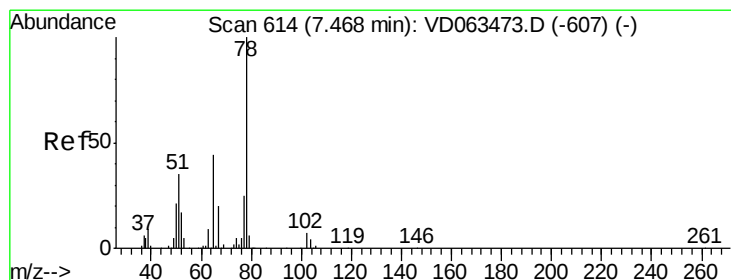
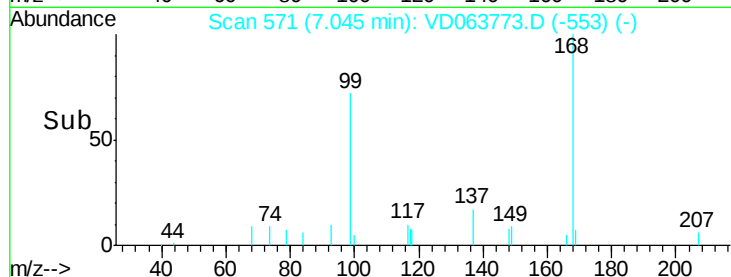
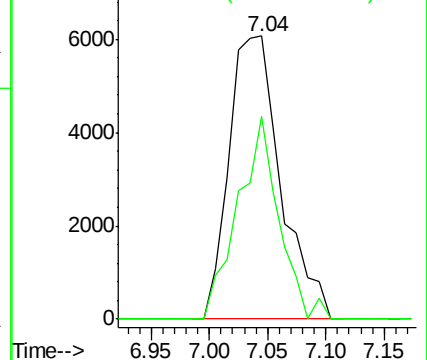
168 100

99 71.6 46.7 70.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 93.852 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063773.D

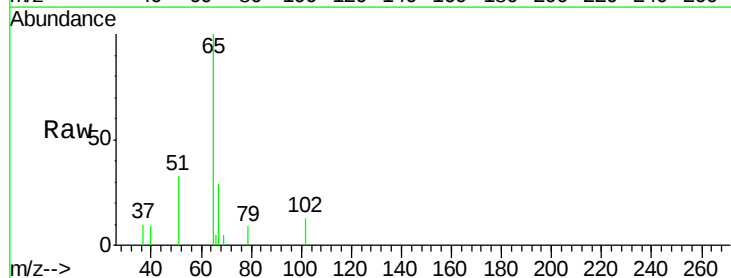
Acq: 23 Aug 2019 18:22

Tgt Ion: 65 Resp: 18769

Ion Ratio Lower Upper

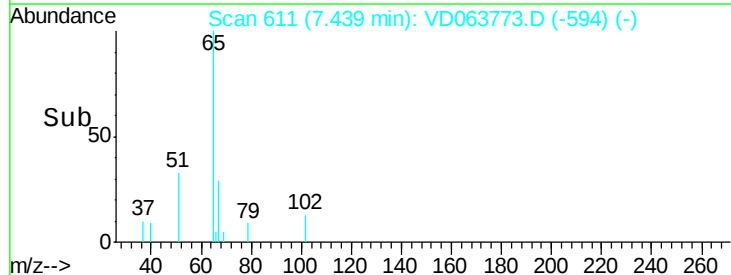
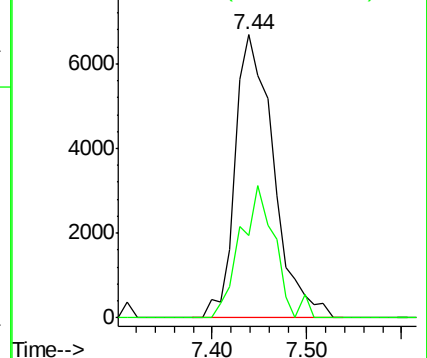
65 100

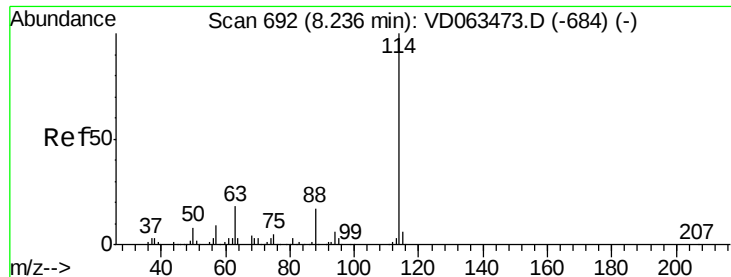
67 29.3 0.0 89.2



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: 8.22 min Scan# 690

Delta R.T. -0.02 min

Lab File: VD063773.D

Acq: 23 Aug 2019 18:22

Instrument :

MSVOA_D

ClientSampleId :

SB-09-5.5-6.0RE

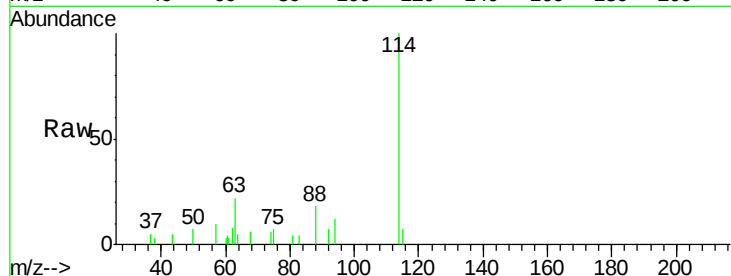
Tot Ion:114 Resp: 25054

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.2

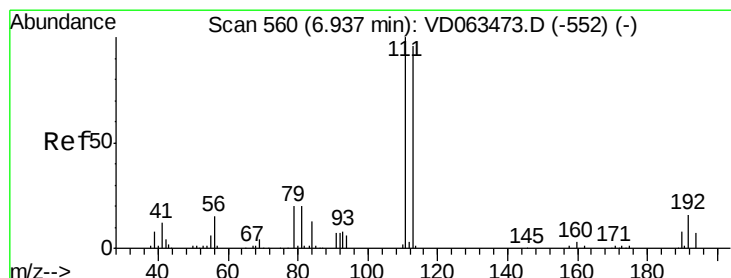
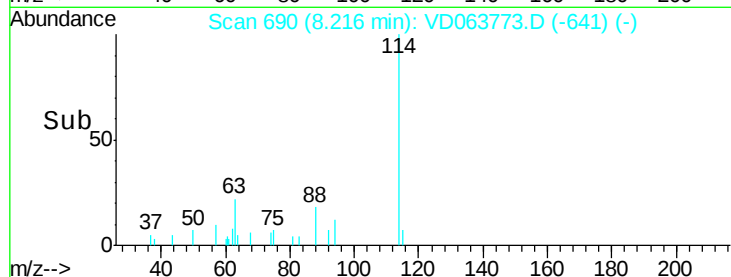
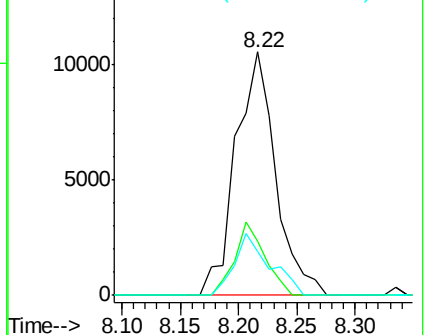
88 17.9 0.0 35.0



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: 75.325 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063773.D

Acq: 23 Aug 2019 18:22

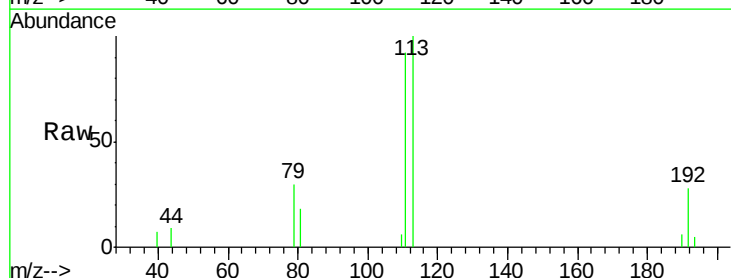
Tgt Ion:113 Resp: 15894

Ion Ratio Lower Upper

113 100

111 91.8 83.1 124.7

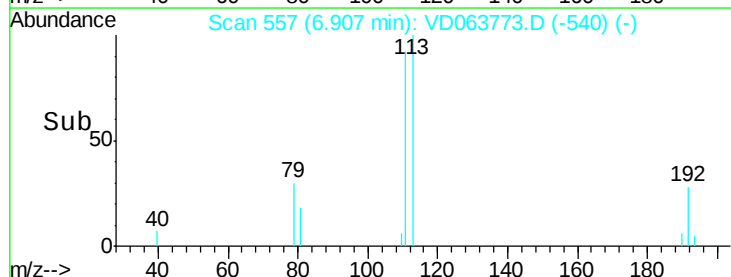
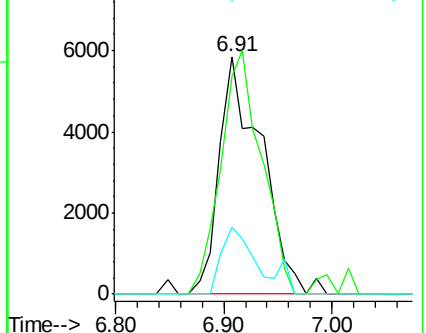
192 28.0 13.1 19.7#

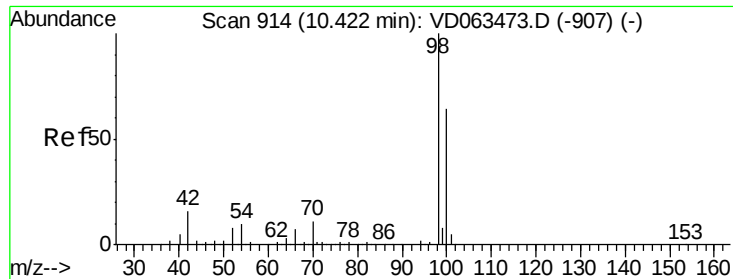


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

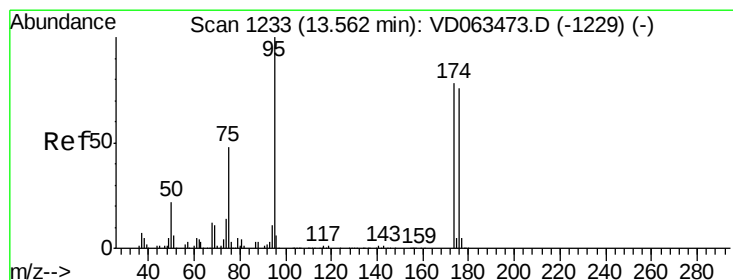
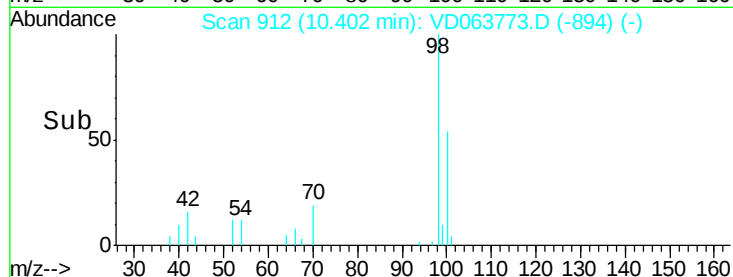
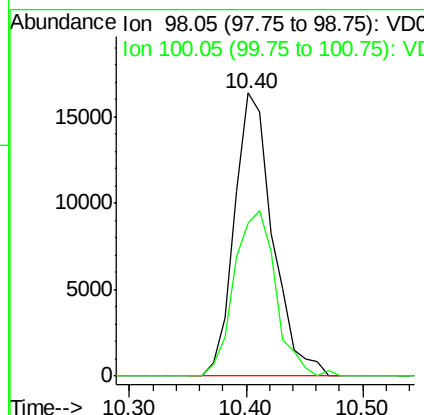
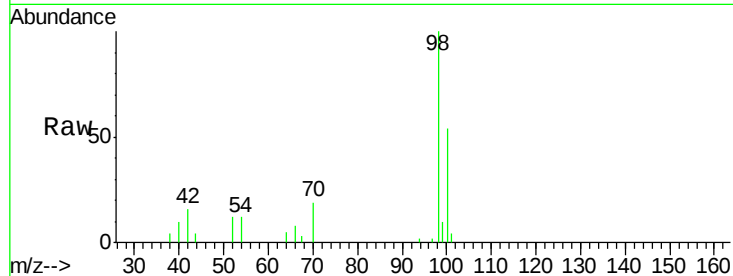




#50
Toluene-d8
Concen: 80.331 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063773.D
Acq: 23 Aug 2019 18:22

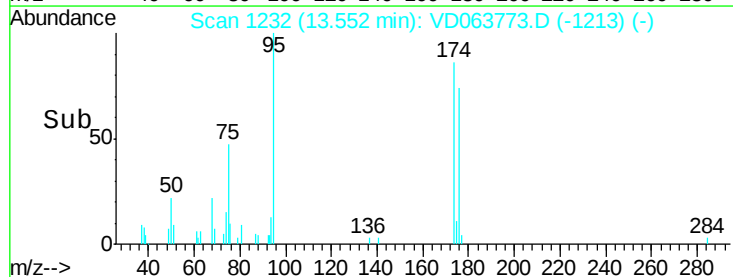
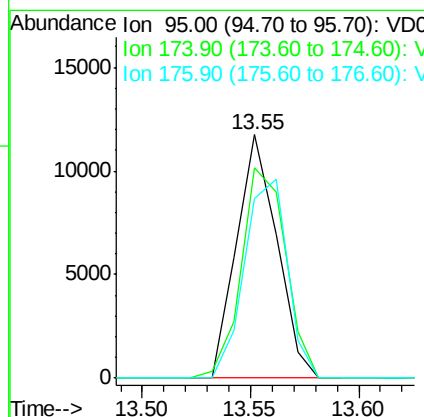
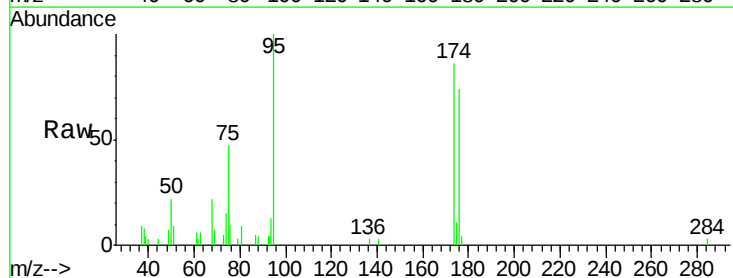
Instrument :
MSVOA_D
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SB-09-5.5-6.0RE

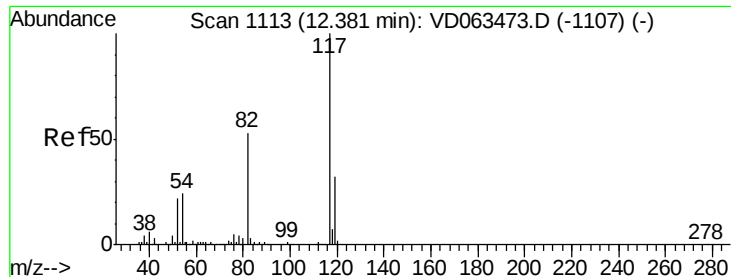
Tot Ion: 98 Resp: 37266
Ion Ratio Lower Upper
98 100
100 54.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 72.362 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063773.D
Acq: 23 Aug 2019 18:22

Tgt Ion: 95 Resp: 15215
Ion Ratio Lower Upper
95 100
174 86.4 0.0 155.4
176 73.7 0.0 152.4

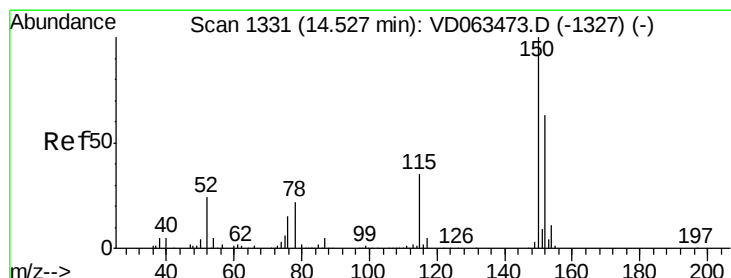
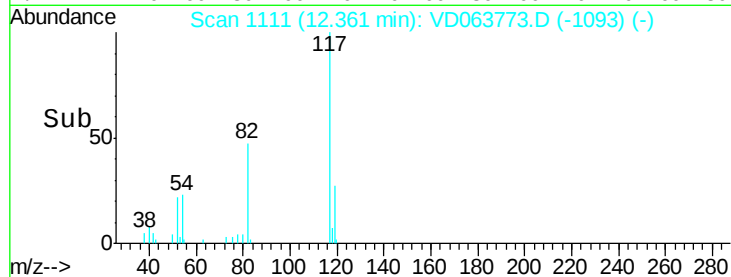
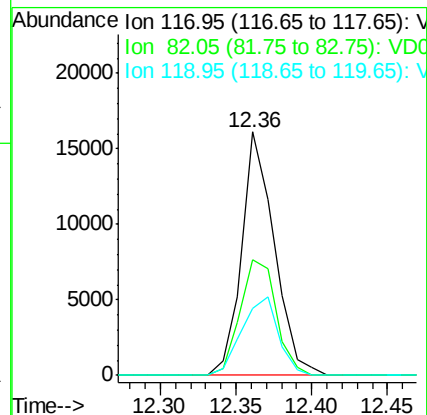
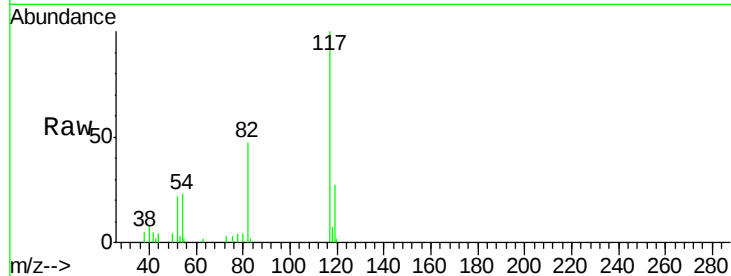




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063773.D
Acq: 23 Aug 2019 18:22

Instrument :
MSVOA_D
ClientSampleId :
SB-09-5.5-6.0RE

Tot Ion:117 Resp: 24131
Ion Ratio Lower Upper
117 100
82 47.2 42.0 63.0
119 27.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.01 min
Lab File: VD063773.D
Acq: 23 Aug 2019 18:22

Tgt Ion:152 Resp: 13009
Ion Ratio Lower Upper
152 100
115 64.2 30.9 92.7
150 135.5 0.0 318.6

