

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062619\
 Data File : VD062919.D
 Acq On : 26 Jun 2019 15:59
 Operator : VA/AP
 Sample : K3526-03
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-24.5-25.0

Quant Time: Jun 27 09:25:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	759008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	999939	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	854445	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	473838	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	464776	56.33	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	6.93	113	492198	58.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.76%	
50) Toluene-d8	10.41	98	1009481	55.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.02%	
62) 4-Bromofluorobenzene	13.55	95	440439	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	

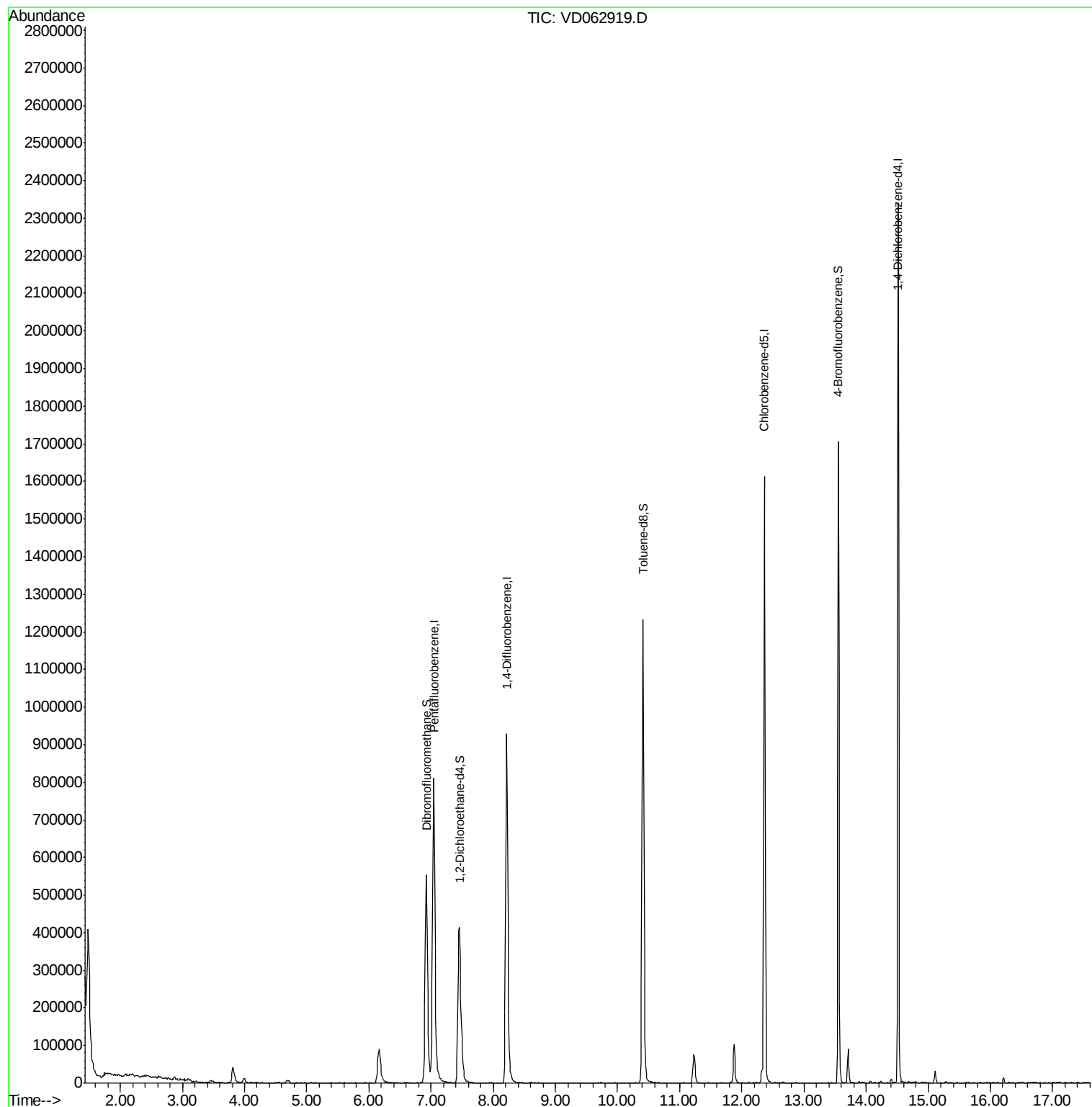
Target Compounds	Qvalue

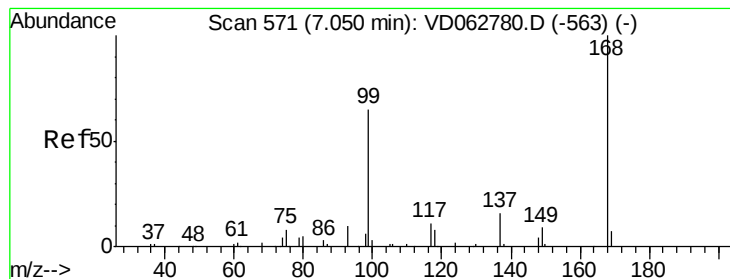
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

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MSVOA_D

ClientSampleId :

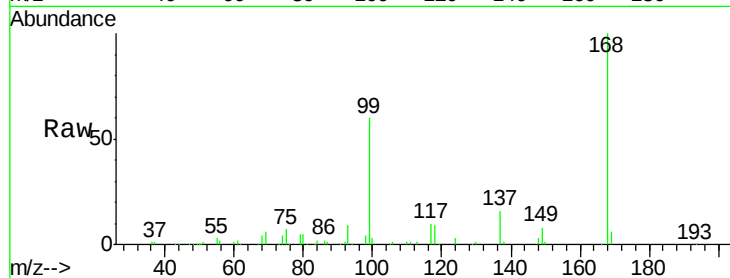
SB-02-24.5-25.0

Tot Ion:168 Resp: 759008

Ion Ratio Lower Upper

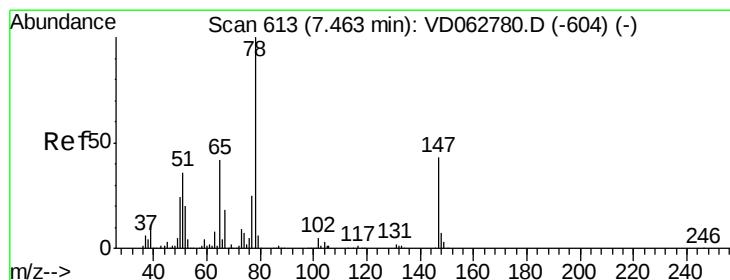
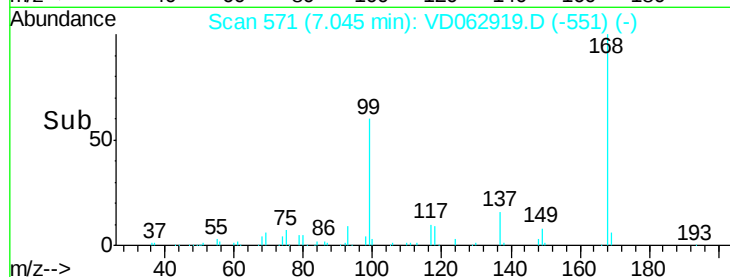
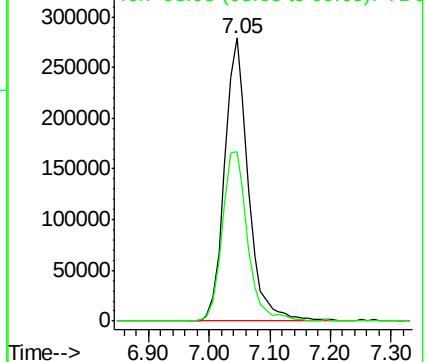
168 100

99 60.0 53.0 79.6



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: 56.334 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.01 min

Lab File: VD062919.D

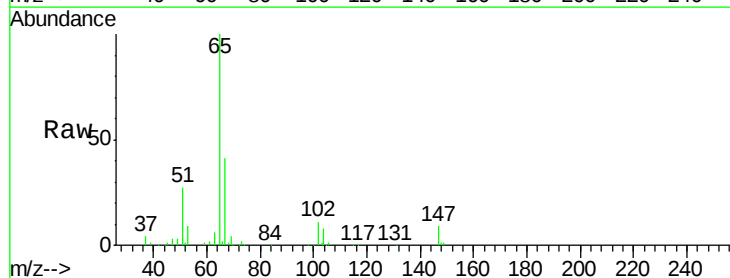
Acq: 26 Jun 2019 15:59

Tgt Ion: 65 Resp: 464776

Ion Ratio Lower Upper

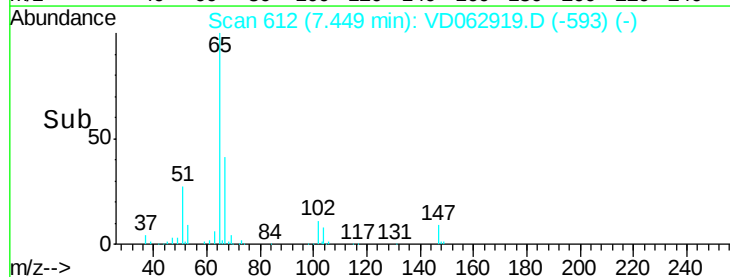
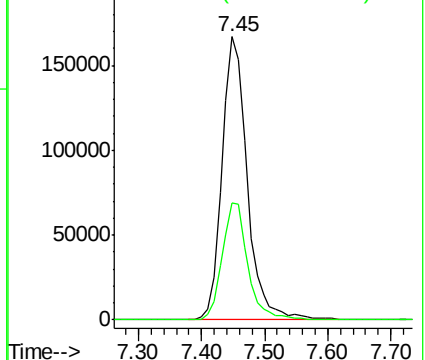
65 100

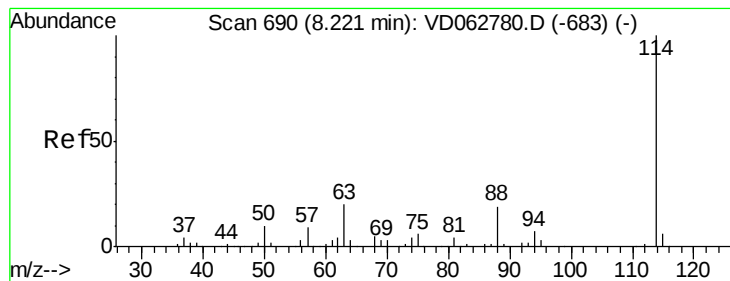
67 41.4 0.0 87.4



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. -0.00 min

Lab File: VD062919.D

Acq: 26 Jun 2019 15:59

Instrument :

MSVOA_D

ClientSampleId :

SB-02-24.5-25.0

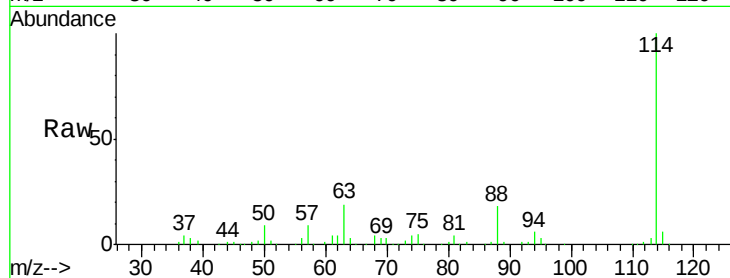
Tot Ion:114 Resp: 999939

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

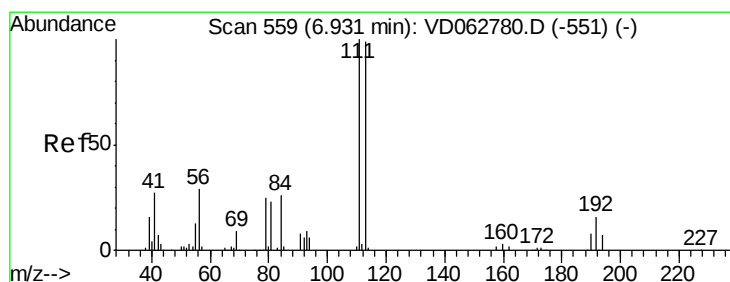
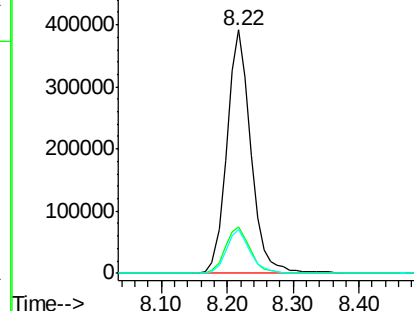
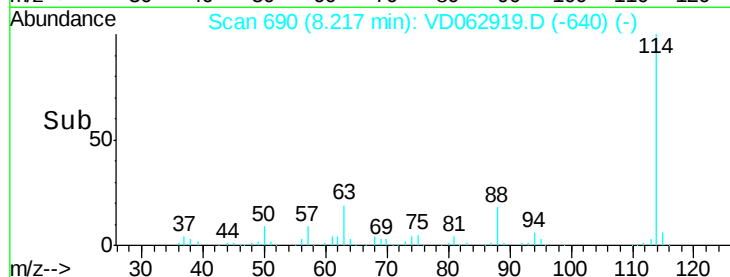
88 17.8 0.0 38.8



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: 58.376 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062919.D

Acq: 26 Jun 2019 15:59

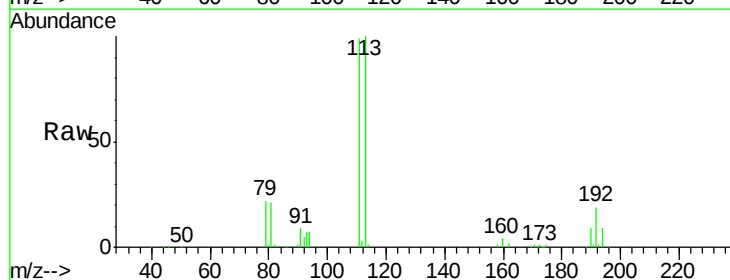
Tgt Ion:113 Resp: 492198

Ion Ratio Lower Upper

113 100

111 99.0 81.2 121.8

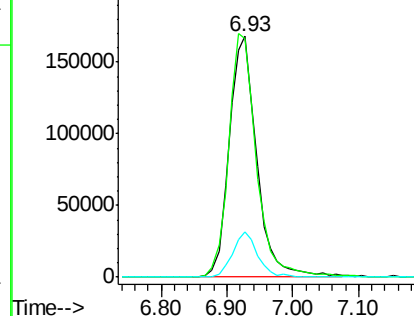
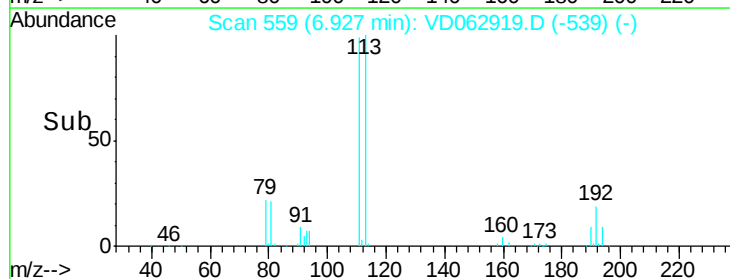
192 18.6 12.9 19.3



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

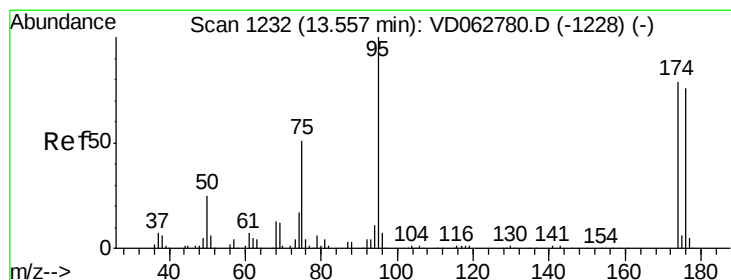
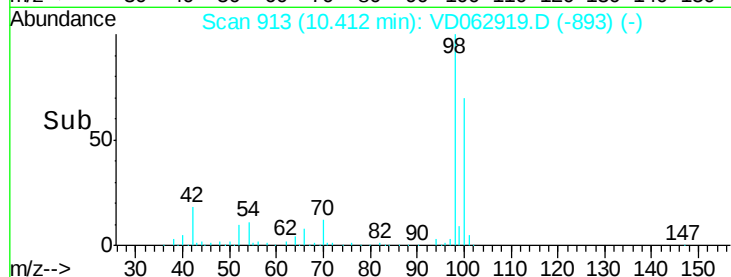
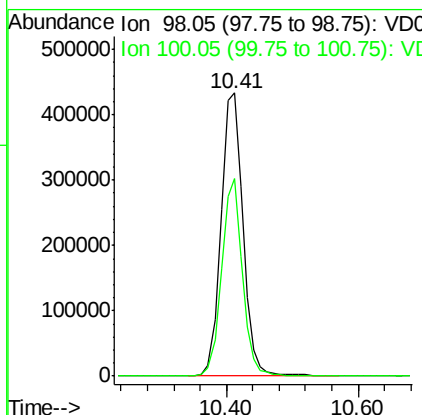
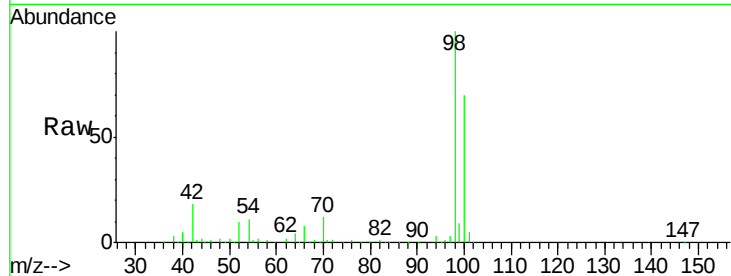




#50
Toluene-d8
Concen: 55.011 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062919.D
Acq: 26 Jun 2019 15:59

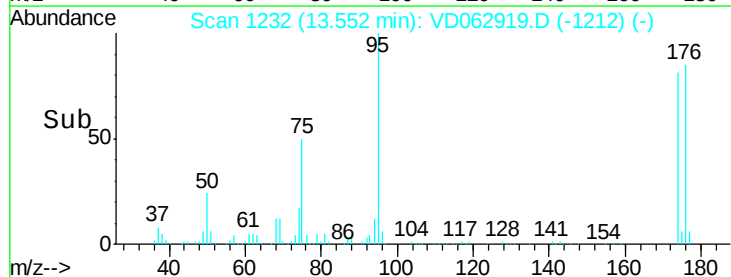
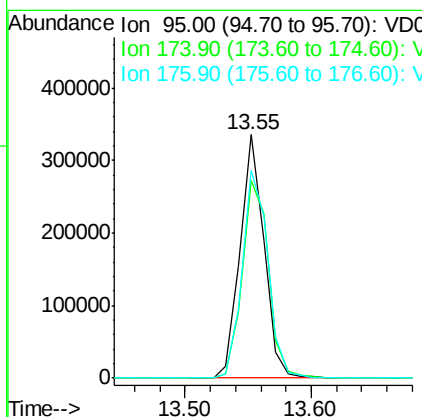
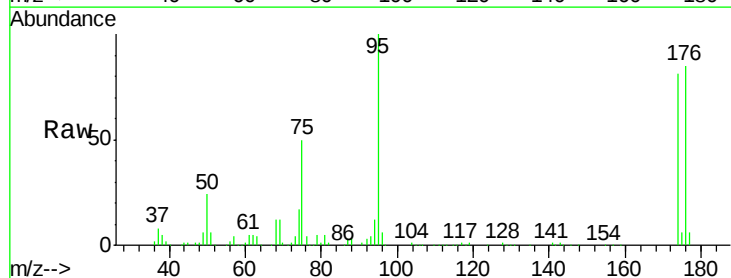
Instrument :
MSVOA_D
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SB-02-24.5-25.0

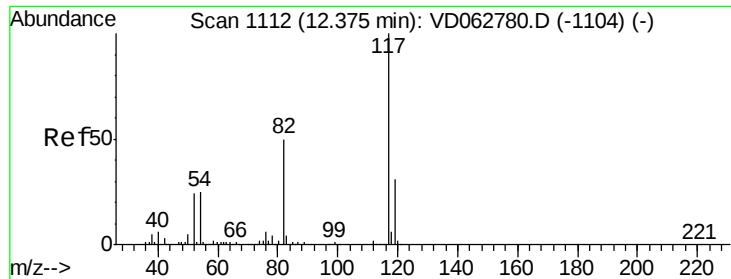
Tot Ion: 98 Resp: 1009481
Ion Ratio Lower Upper
98 100
100 69.8 54.7 82.1



#62
4-Bromofluorobenzene
Concen: 52.784 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD062919.D
Acq: 26 Jun 2019 15:59

Tgt Ion: 95 Resp: 440439
Ion Ratio Lower Upper
95 100
174 81.1 0.0 158.0
176 85.4 0.0 151.6

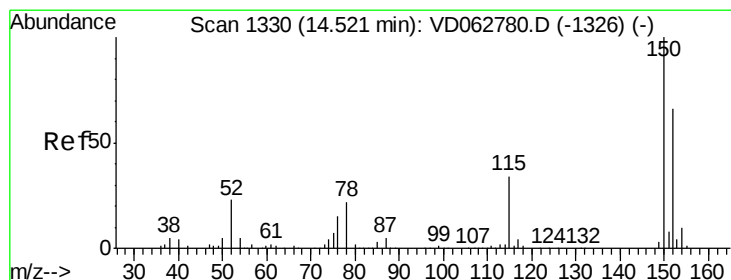
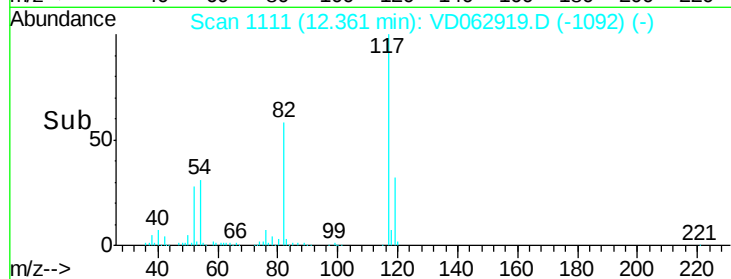
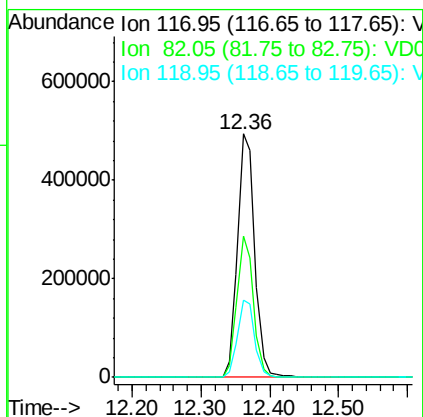
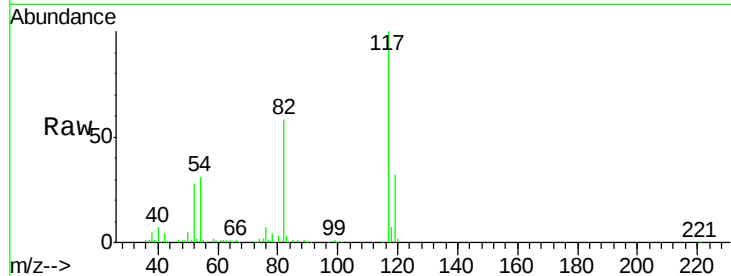




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD062919.D
Acq: 26 Jun 2019 15:59

Instrument :
MSVOA_D
ClientSampleId :
SB-02-24.5-25.0

Tot Ion:117 Resp: 854445
Ion Ratio Lower Upper
117 100
82 58.1 40.4 60.6
119 31.8 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062919.D
Acq: 26 Jun 2019 15:59

Tgt Ion:152 Resp: 473838
Ion Ratio Lower Upper
152 100
115 57.3 29.2 87.6
150 161.1 0.0 305.8

