

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060923.D
 Acq On : 4 Mar 2019 15:04
 Operator : VA/AP
 Sample : K1638-04
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)

Quant Time: Mar 05 02:21:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	718263	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1259064	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	976089	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	434509	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	238401	40.15	ug/l	0.03
Spiked Amount 50.000			Recovery	=	80.30%	
35) Dibromofluoromethane	6.94	113	407332	40.35	ug/l	0.03
Spiked Amount 50.000			Recovery	=	80.70%	
50) Toluene-d8	10.43	98	908060	36.15	ug/l	0.03
Spiked Amount 50.000			Recovery	=	72.30%	
62) 4-Bromofluorobenzene	13.57	95	348725	36.74	ug/l	0.02
Spiked Amount 50.000			Recovery	=	73.48%	

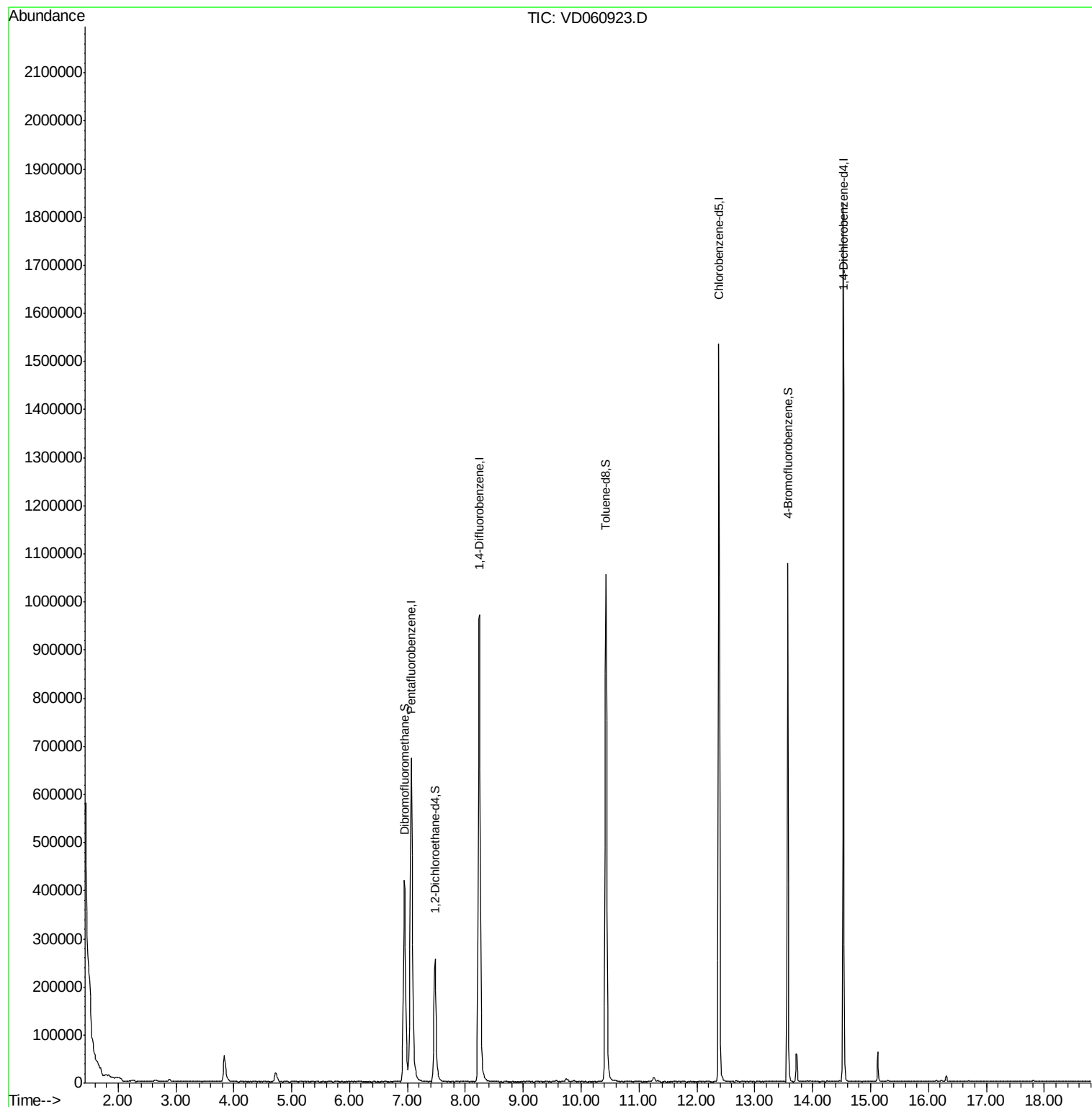
Target Compounds	Qvalue
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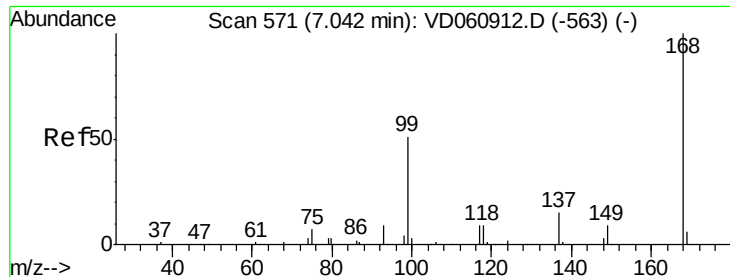
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060923.D

Acq: 4 Mar 2019 15:04

Instrument :

MSVOA_D

ClientSampleId :

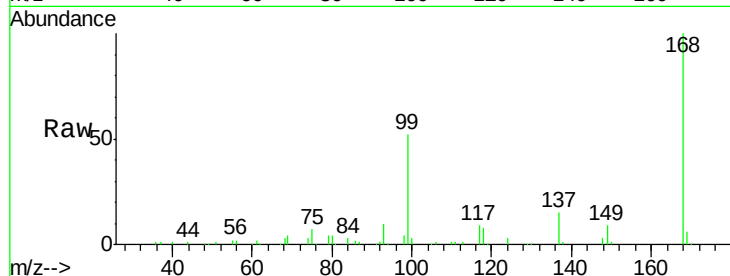
PE-4(NORTH-SITE-WALL)

Tot Ion:168 Resp: 718263

Ion Ratio Lower Upper

168 100

99 51.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

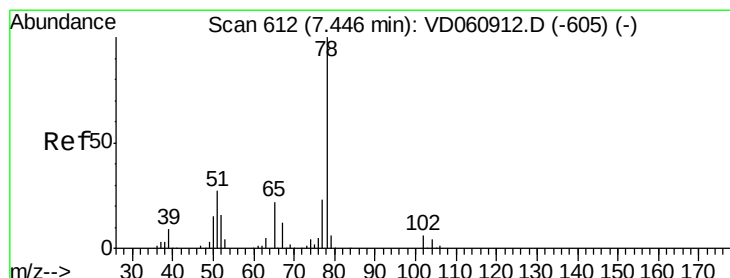
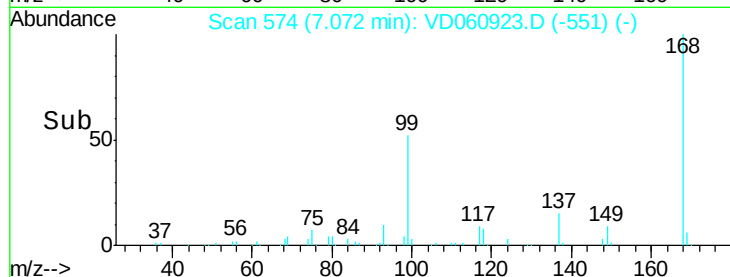
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060923.D

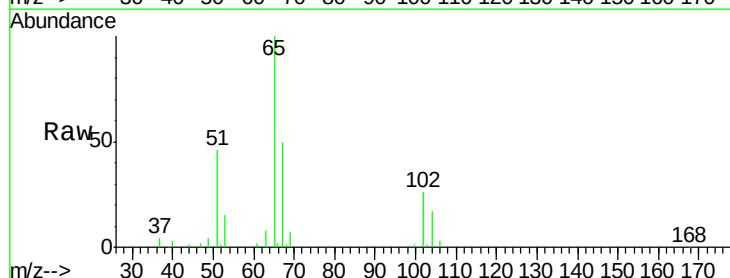
Acq: 4 Mar 2019 15:04

Tgt Ion: 65 Resp: 238401

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.48

100000

80000

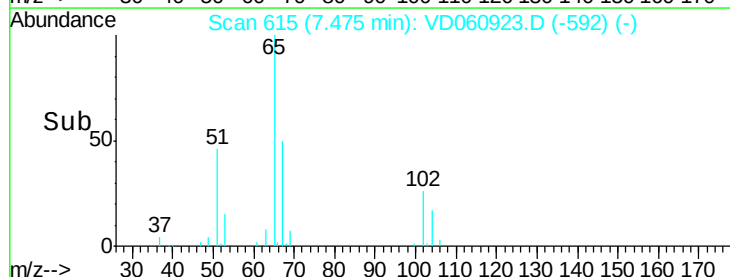
60000

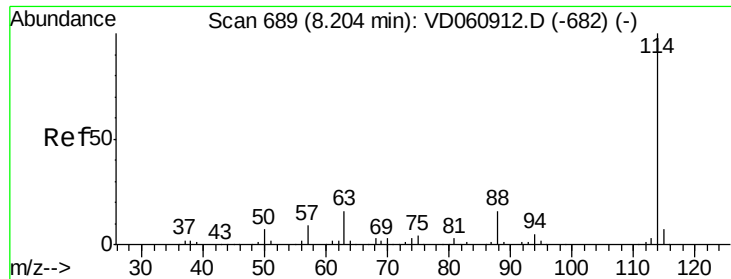
40000

20000

0

Time--> 7.30 7.40 7.50 7.60 7.70

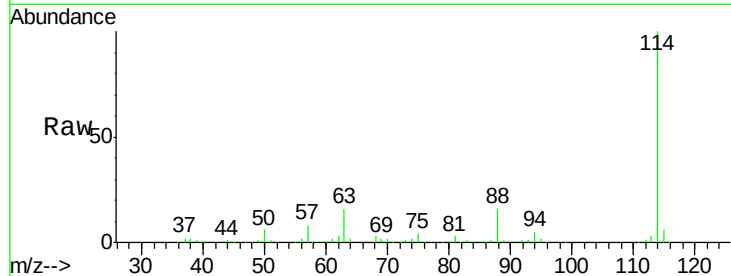




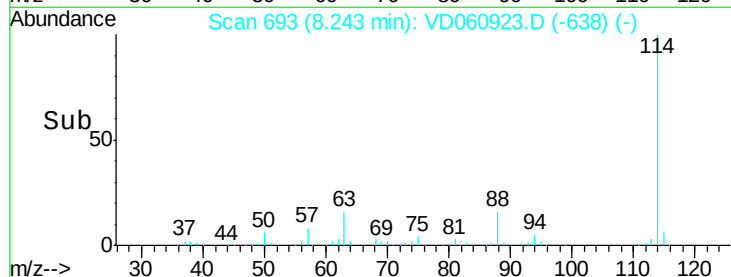
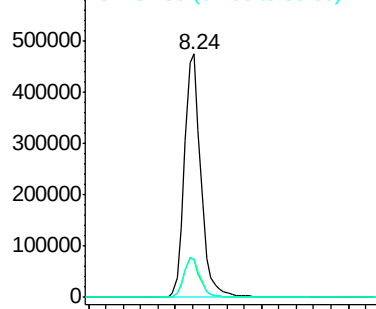
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.04 min
 Lab File: VD060923.D
 Acq: 4 Mar 2019 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 PE-4(NORTH-SITE-WALL)

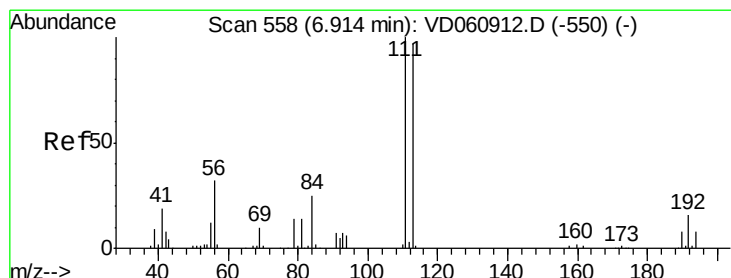
Tot Ion:114 Resp: 1259064
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 32.0
 88 16.0 0.0 32.8



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

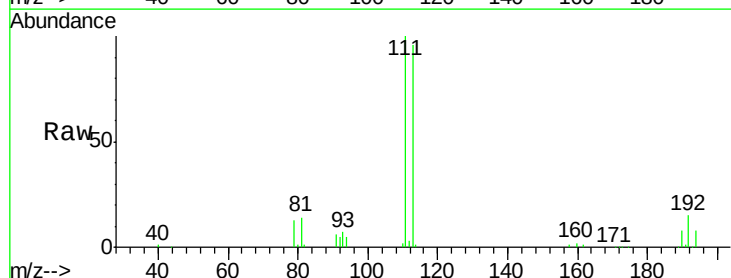


Time--> 8.00 8.20 8.40 8.60

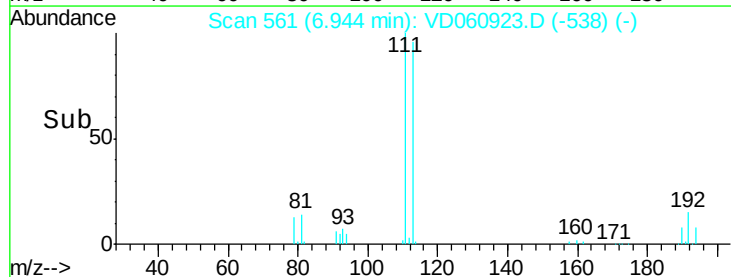
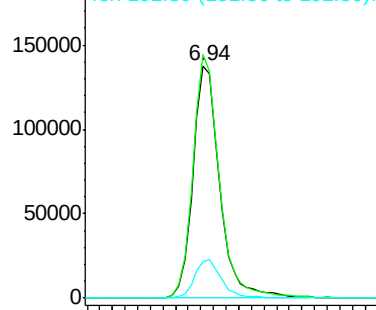


#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 561
 Delta R.T. 0.03 min
 Lab File: VD060923.D
 Acq: 4 Mar 2019 15:04

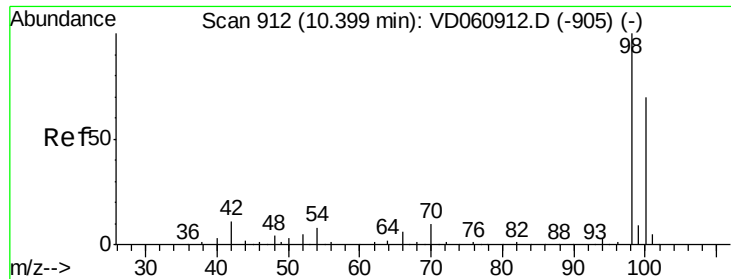
Tgt Ion:113 Resp: 407332
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.6 124.0
 192 15.6 13.4 20.2



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



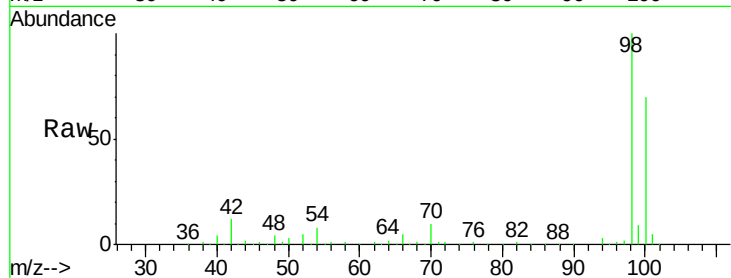
Time--> 6.80 6.90 7.00 7.10



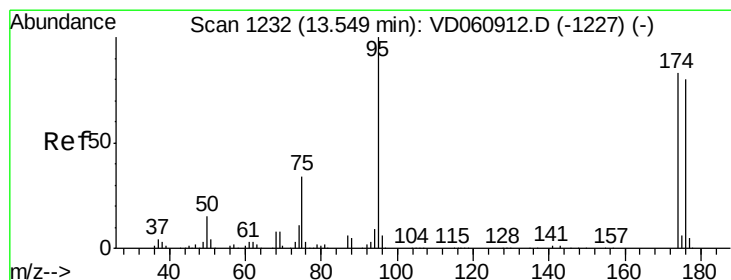
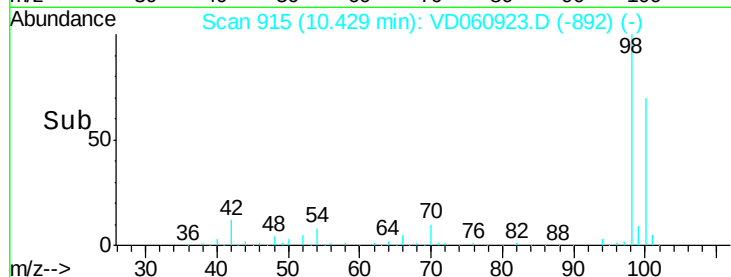
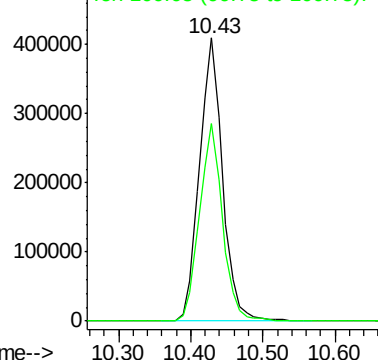
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060923.D
Acq: 4 Mar 2019 15:04

Instrument :
MSVOA_D
ClientSampleId :
PE-4(NORTH-SITE-WALL)

Tot Ion: 98 Resp: 908060
Ion Ratio Lower Upper
98 100
100 69.8 57.0 85.4

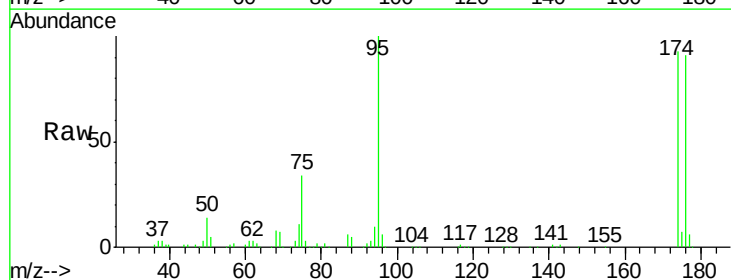


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

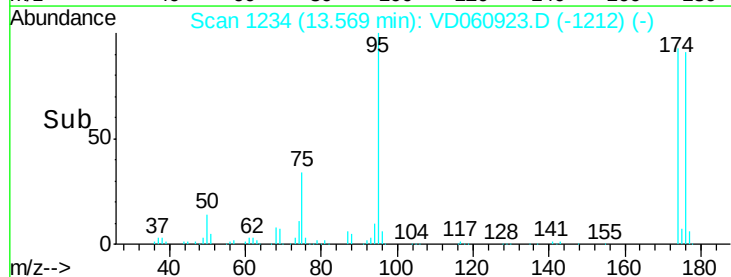
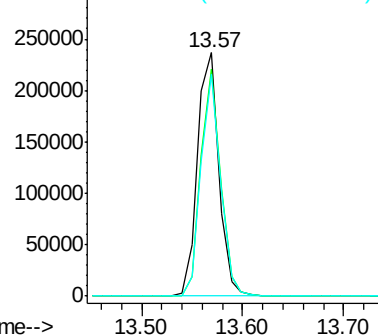


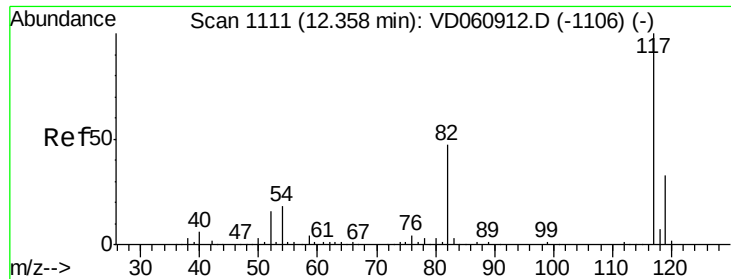
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD060923.D
Acq: 4 Mar 2019 15:04

Tgt Ion: 95 Resp: 348725
Ion Ratio Lower Upper
95 100
174 93.0 0.0 165.6
176 90.9 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

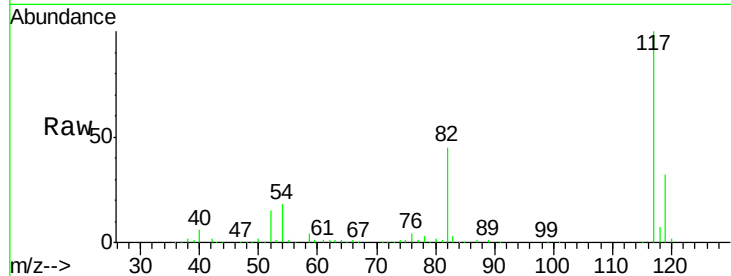




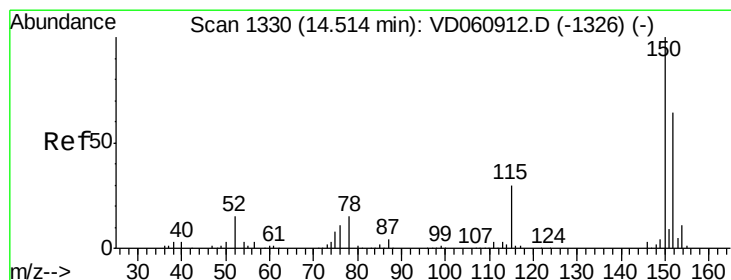
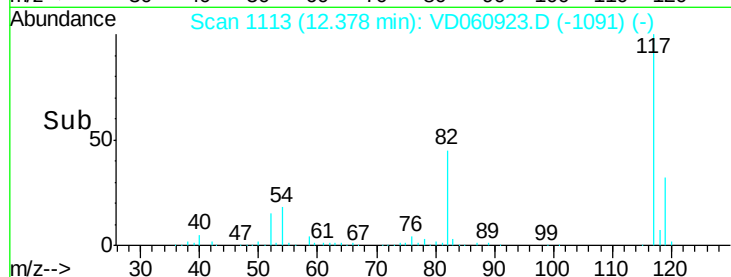
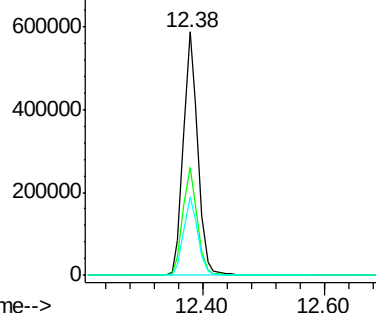
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060923.D
Acq: 4 Mar 2019 15:04

Instrument :
MSVOA_D
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PE-4(NORTH-SITE-WALL)

Tot Ion:117 Resp: 976089
Ion Ratio Lower Upper
117 100
82 44.5 37.5 56.3
119 32.3 26.2 39.2

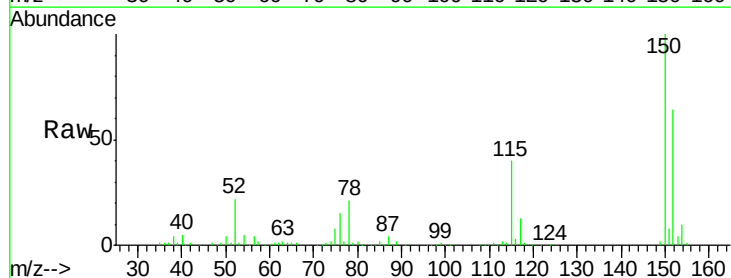


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060923.D
Acq: 4 Mar 2019 15:04

Tgt Ion:152 Resp: 434509
Ion Ratio Lower Upper
152 100
115 62.2 27.6 82.8
150 156.5 0.0 312.8



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

