

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063407.D
 Acq On : 6 Aug 2019 19:00
 Operator : JC/SY
 Sample : K4178-01
 Misc : 4.70g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 370-371

Quant Time: Aug 07 08:08:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	969445	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1257656	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	848165	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.55	152	286196	50.00	ug/l	0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	439484	40.86	ug/l	0.03
Spiked Amount	50.000		Recovery	=	81.72%	
35) Dibromofluoromethane	6.94	113	482076	44.90	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.80%	
50) Toluene-d8	10.43	98	908902	37.82	ug/l	0.03
Spiked Amount	50.000		Recovery	=	75.64%	
62) 4-Bromofluorobenzene	13.58	95	287654	26.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	52.54%	

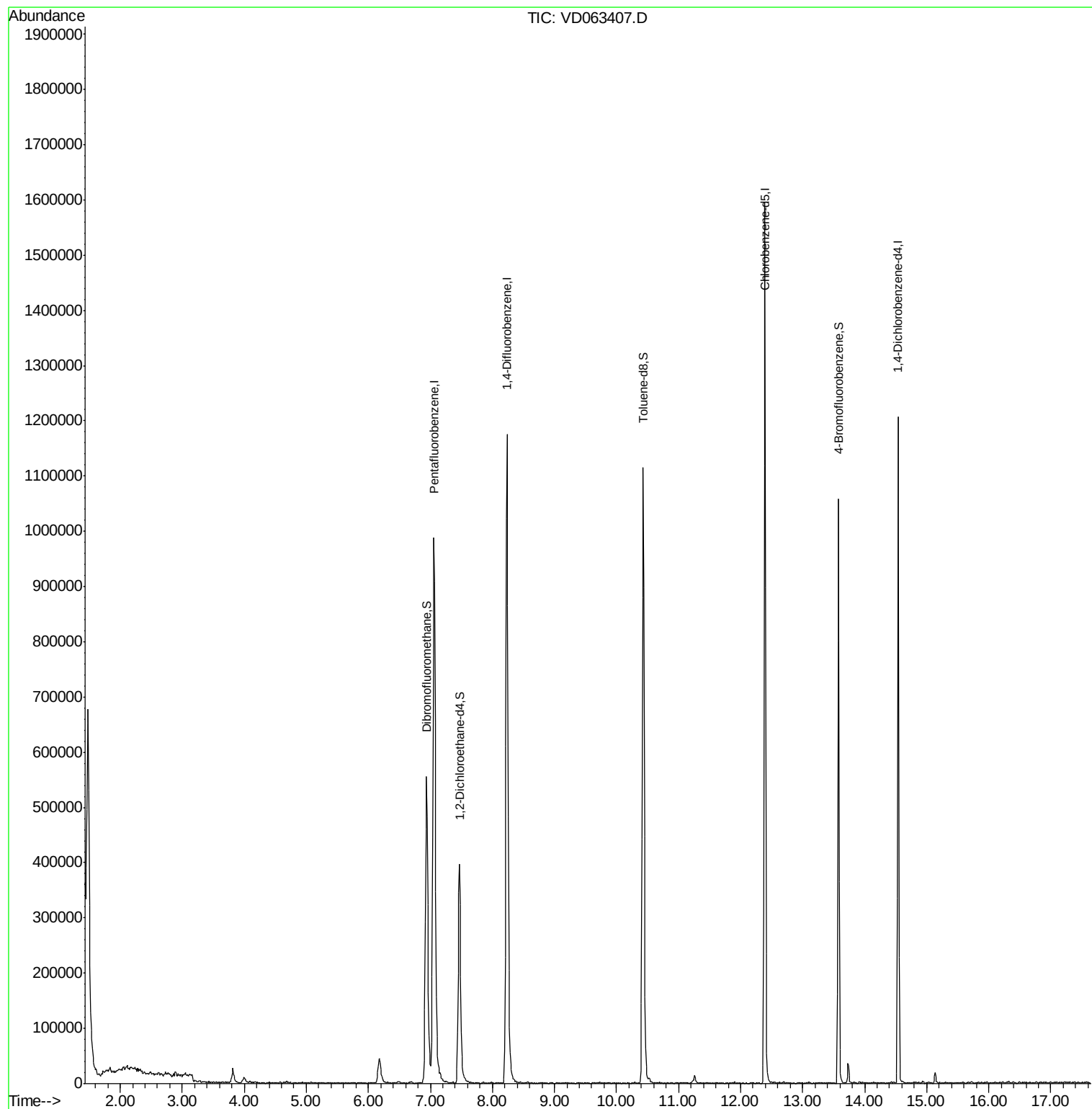
Target Compounds	Qvalue

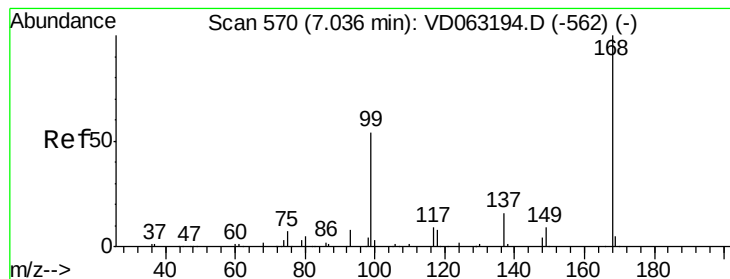
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.02 min

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Instrument :

MSVOA_D

ClientSampleId :

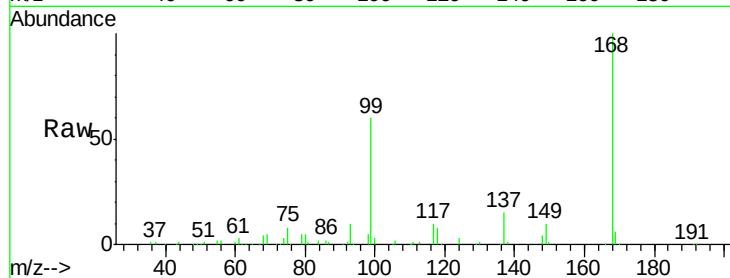
370-371

Tot Ion:168 Resp: 969445

Ion Ratio Lower Upper

168 100

99 60.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

400000

300000

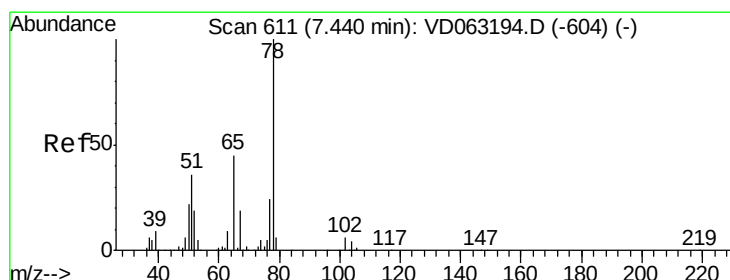
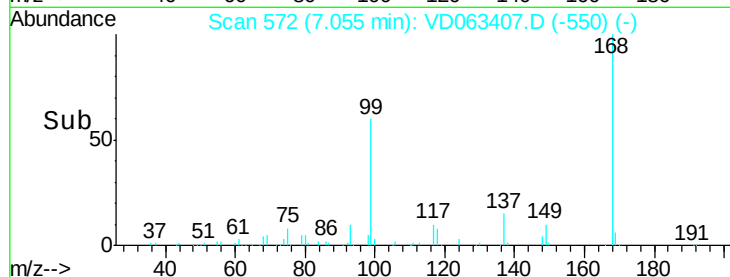
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#33

1,2-Dichloroethane-d4

Concen: 40.856 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD063407.D

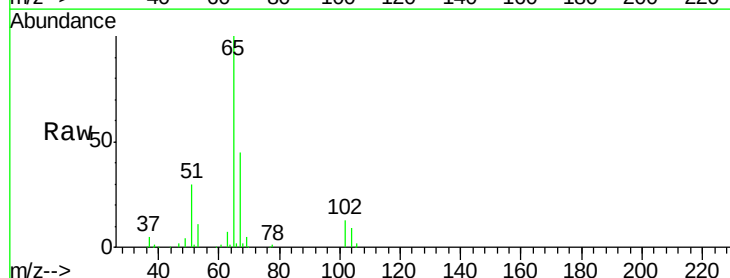
Acq: 6 Aug 2019 19:00

Tgt Ion: 65 Resp: 439484

Ion Ratio Lower Upper

65 100

67 45.0 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

150000

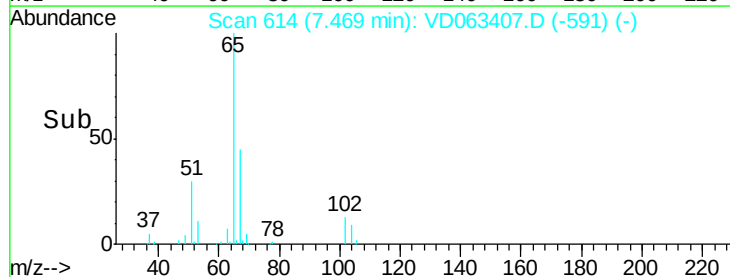
100000

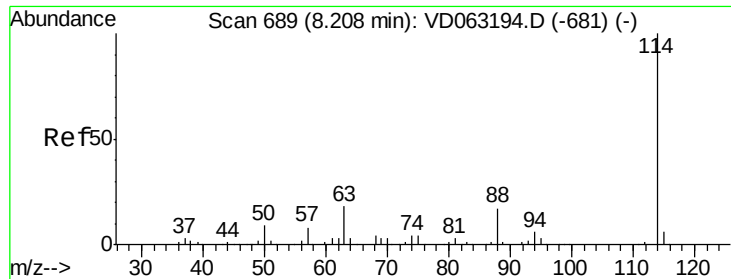
50000

0

Time-->

7.30 7.40 7.50 7.60





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD063407.D

Acq: 6 Aug 2019 19:00

Instrument :

MSVOA_D

ClientSampleId :

370-371

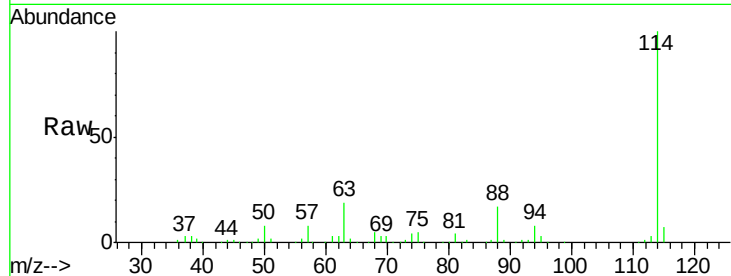
Tot Ion:114 Resp: 1257656

Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.2

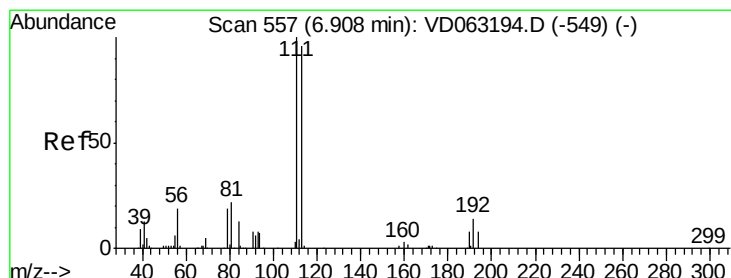
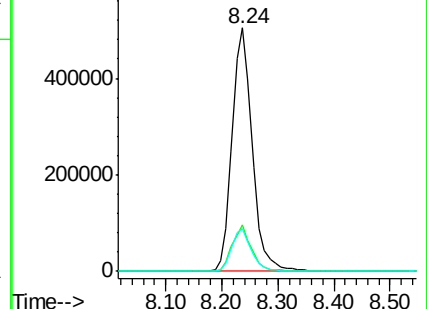
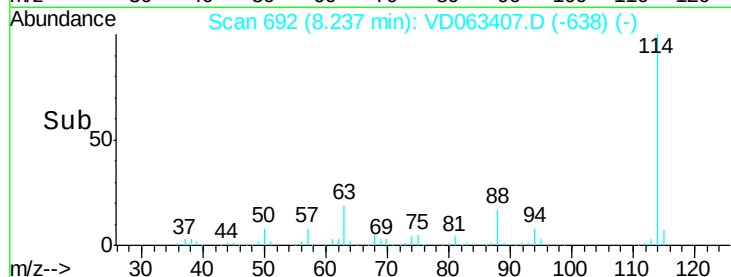
88 17.3 0.0 34.6



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: 44.896 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.03 min

Lab File: VD063407.D

Acq: 6 Aug 2019 19:00

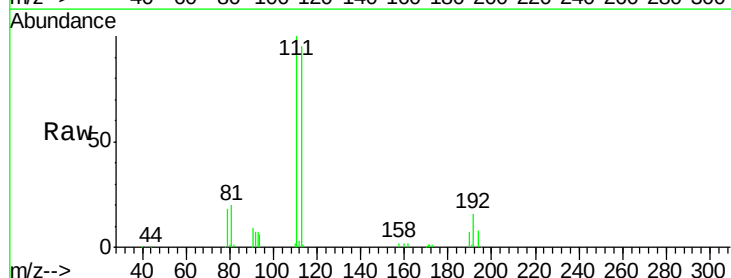
Tgt Ion:113 Resp: 482076

Ion Ratio Lower Upper

113 100

111 105.3 83.2 124.8

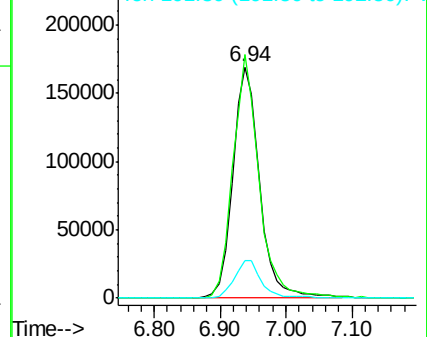
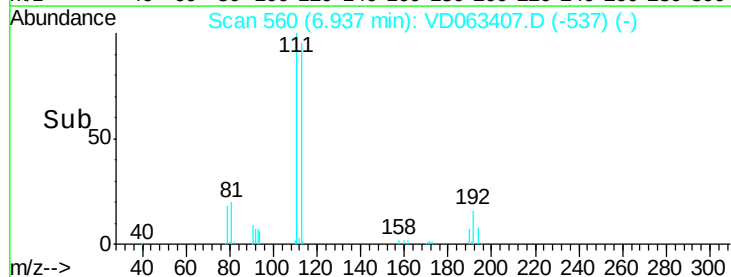
192 16.4 11.8 17.8

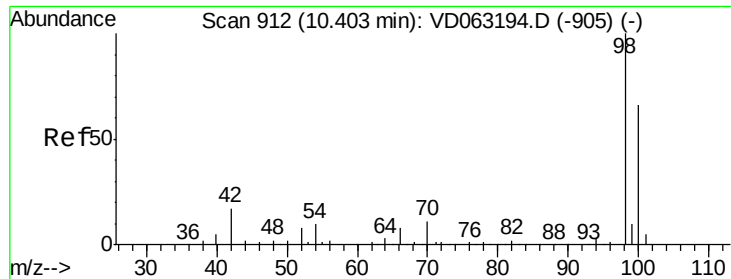


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

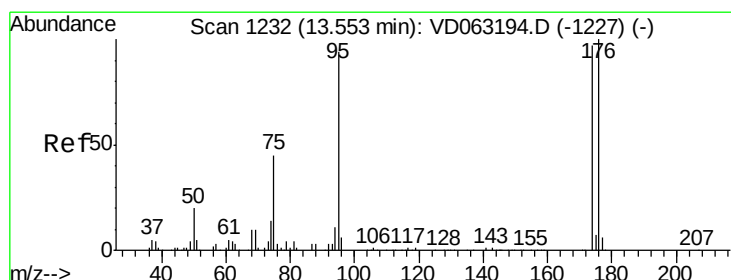
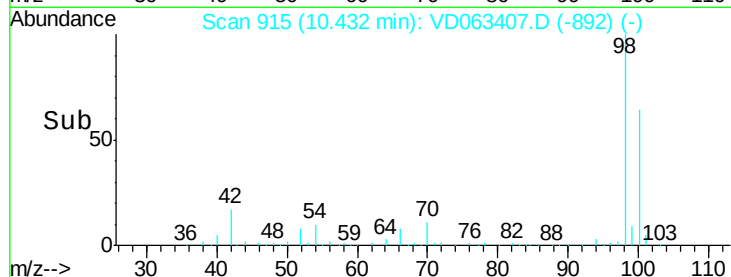
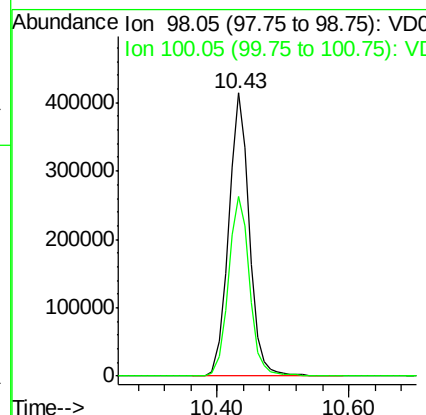
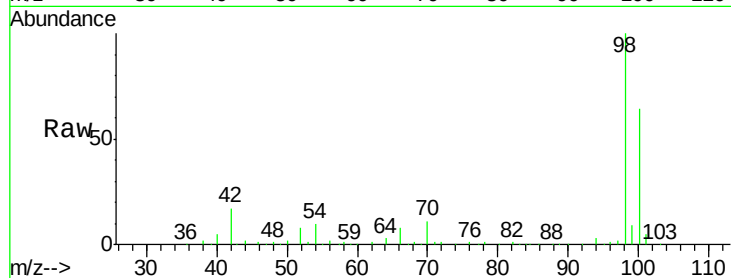




#50
Toluene-d8
Concen: 37.822 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD063407.D
Acq: 6 Aug 2019 19:00

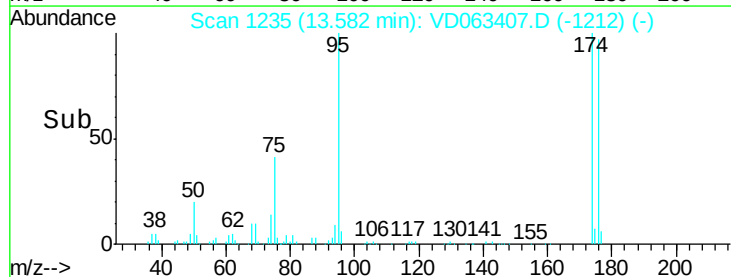
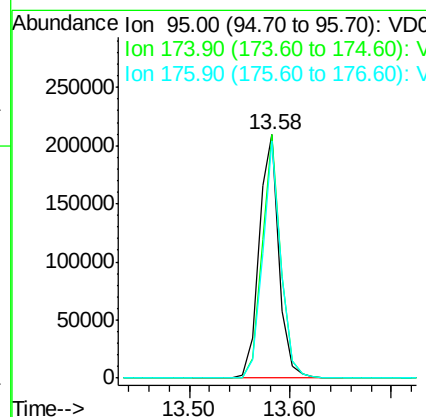
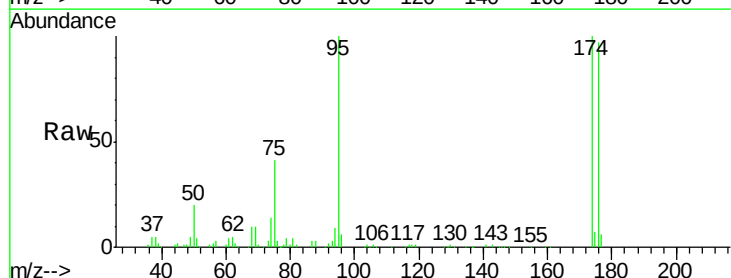
Instrument :
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ClientSampleId :
370-371

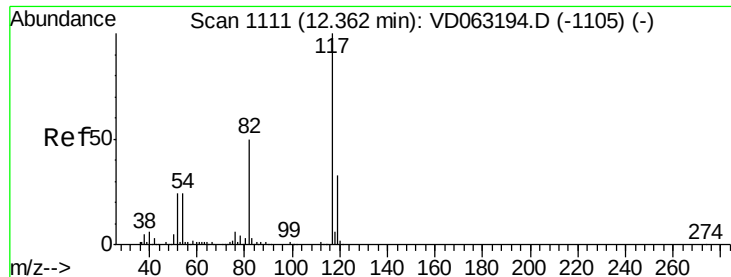
Tot Ion: 98 Resp: 908902
Ion Ratio Lower Upper
98 100
100 63.6 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 26.268 ug/l
RT: 13.58 min Scan# 1235
Delta R.T. 0.03 min
Lab File: VD063407.D
Acq: 6 Aug 2019 19:00

Tgt Ion: 95 Resp: 287654
Ion Ratio Lower Upper
95 100
174 99.8 0.0 205.4
176 97.3 0.0 211.8

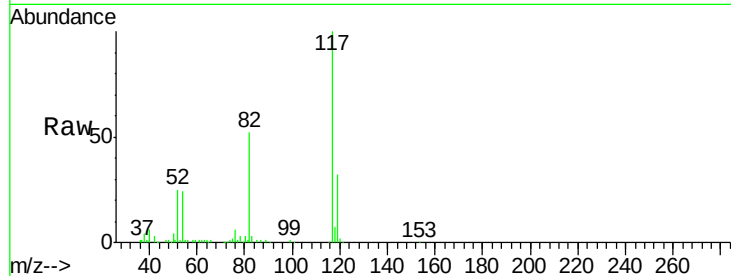




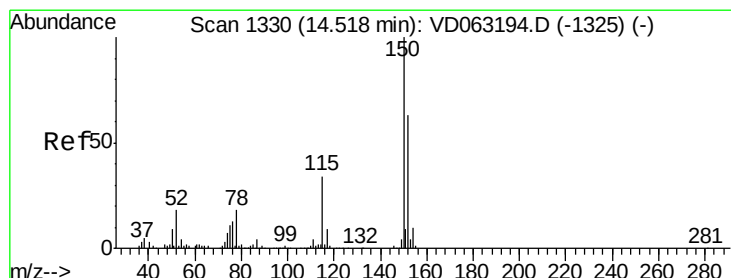
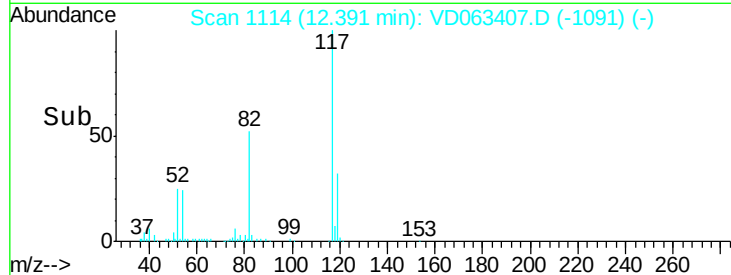
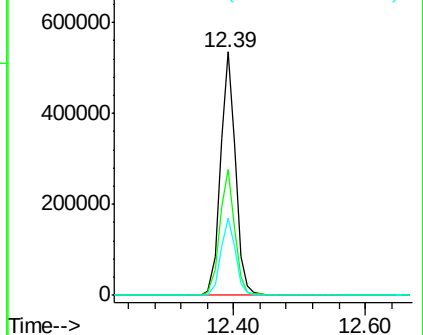
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD063407.D
Acq: 6 Aug 2019 19:00

Instrument :
MSVOA_D
ClientSampleId :
370-371

Tot Ion:117 Resp: 848165
Ion Ratio Lower Upper
117 100
82 51.9 40.1 60.1
119 31.6 26.5 39.7

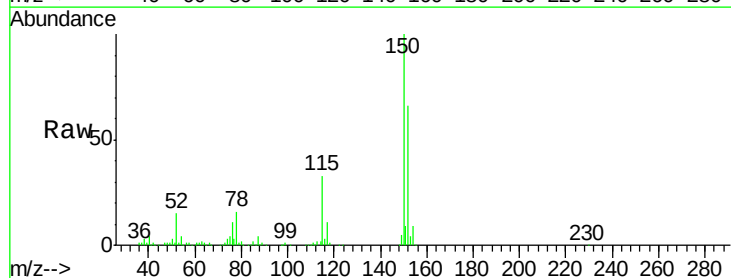


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.55 min Scan# 1333
Delta R.T. 0.03 min
Lab File: VD063407.D
Acq: 6 Aug 2019 19:00

Tgt Ion:152 Resp: 286196
Ion Ratio Lower Upper
152 100
115 49.9 27.5 82.4
150 150.4 0.0 320.6



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

