

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070319\
 Data File : VD063029.D
 Acq On : 3 Jul 2019 17:25
 Operator : VA/AP
 Sample : K3681-03
 Misc : 5.05g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCK-PILE-07-01-19

Quant Time: Jul 04 02:10:58 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	7.06	168	849164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1165633	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	927323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	391251	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	427390	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
35) Dibromofluoromethane	6.93	113	503656	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	10.41	98	942614	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
62) 4-Bromofluorobenzene	13.55	95	394069	40.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.02%	

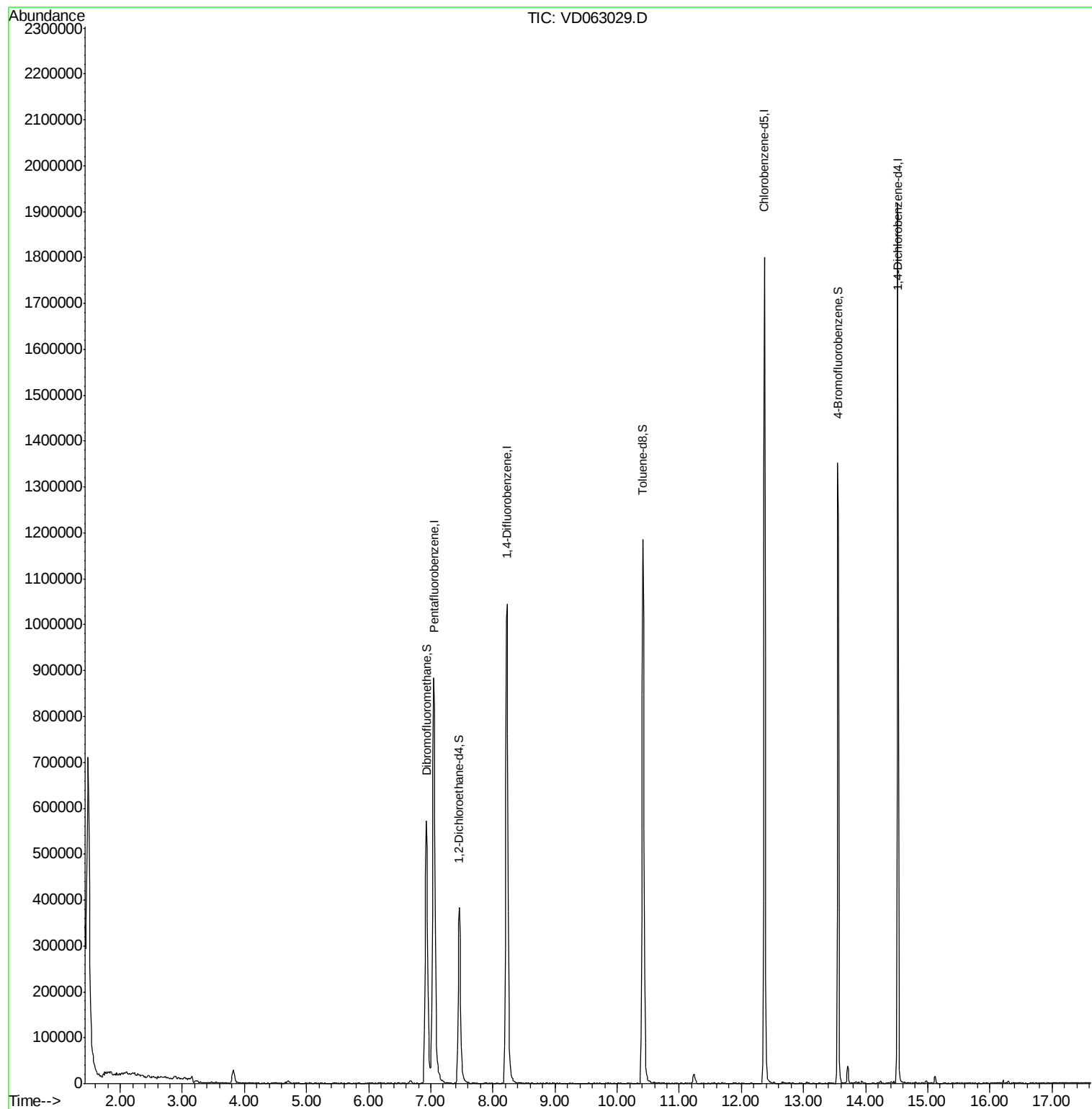
Target Compounds	Qvalue

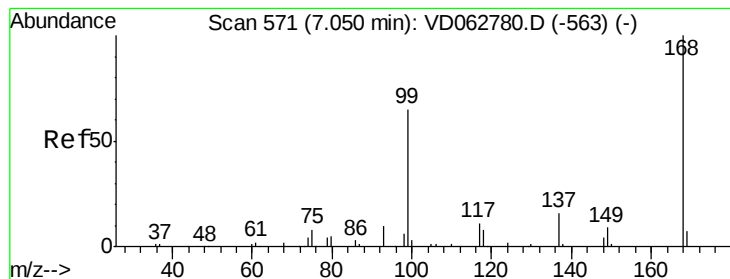
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

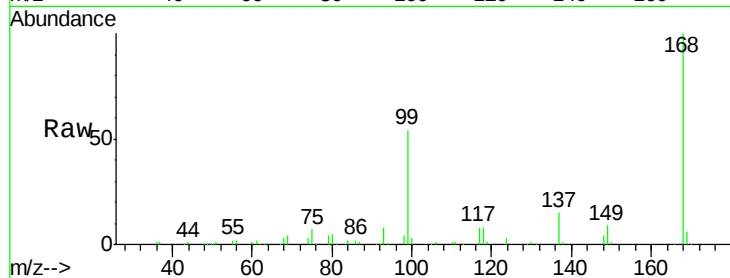
STOCK-PILE-07-01-19

Tot Ion:168 Resp: 849164

Ion Ratio Lower Upper

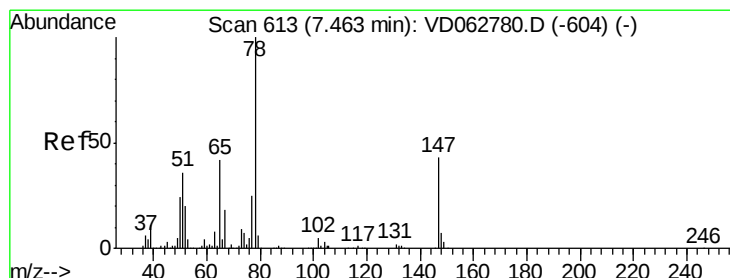
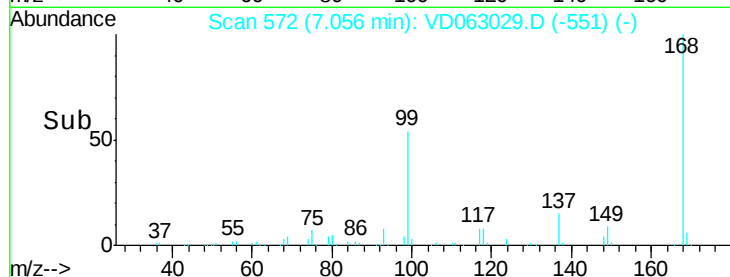
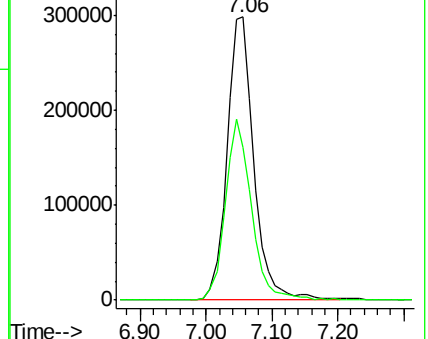
168 100

99 54.2 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: 46.303 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD063029.D

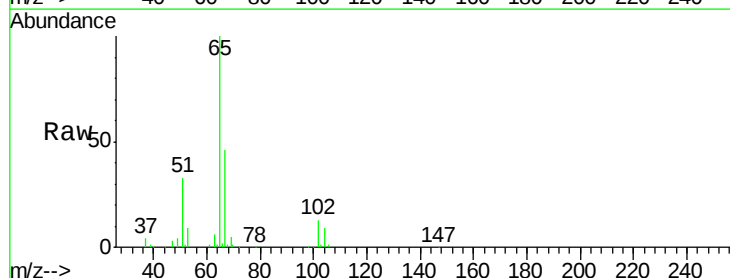
Acq: 3 Jul 2019 17:25

Tgt Ion: 65 Resp: 427390

Ion Ratio Lower Upper

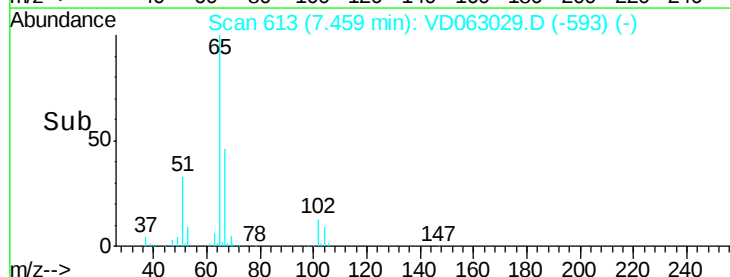
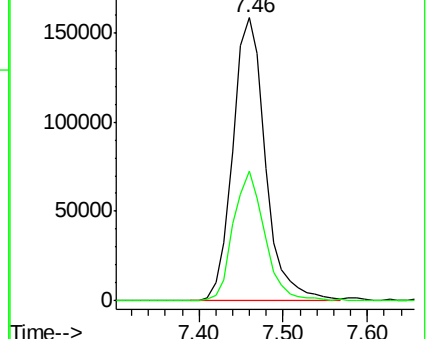
65 100

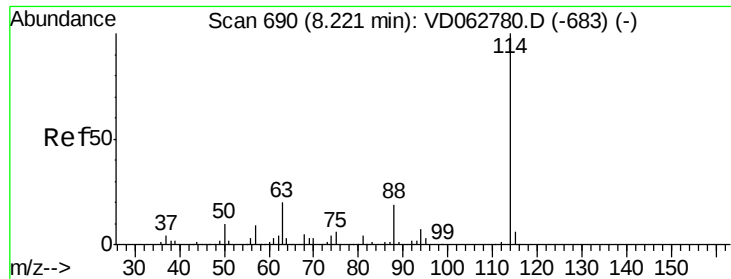
67 46.0 0.0 87.4



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: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

STOCK-PILE-07-01-19

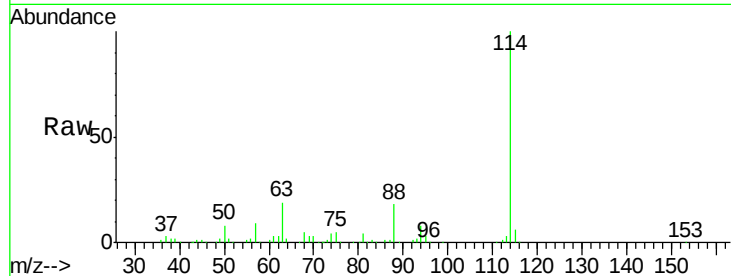
Tot Ion:114 Resp: 1165633

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

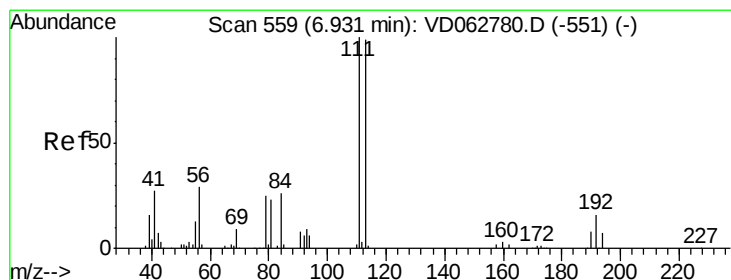
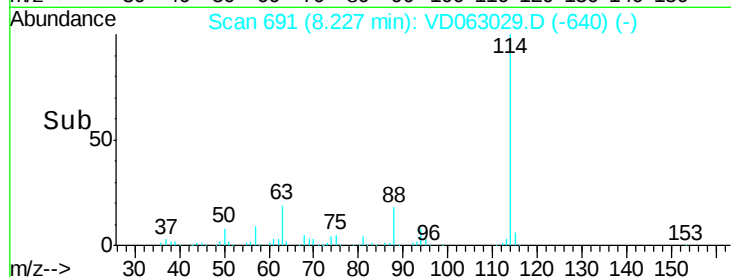
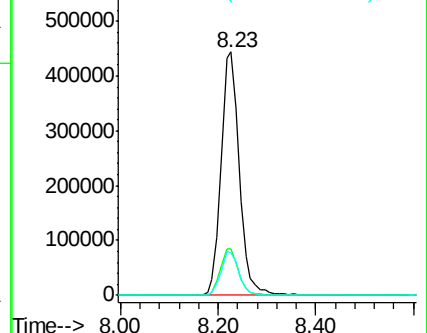
88 17.5 0.0 38.8



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: 51.244 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

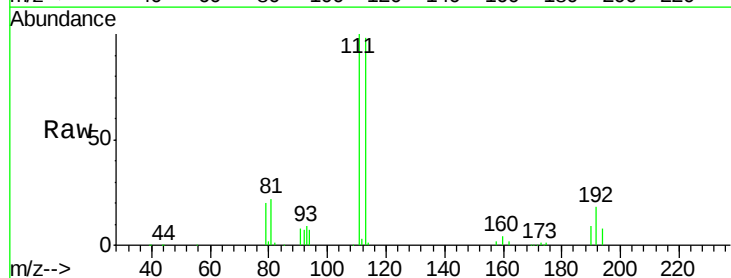
Tgt Ion:113 Resp: 503656

Ion Ratio Lower Upper

113 100

111 101.5 81.2 121.8

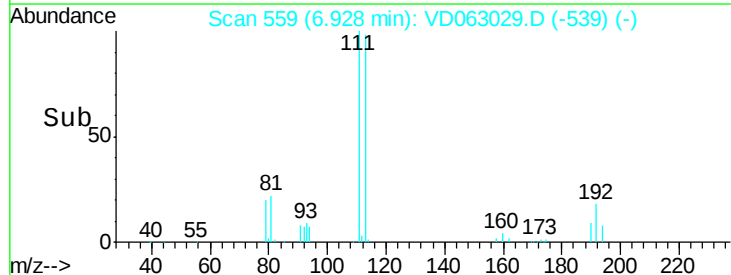
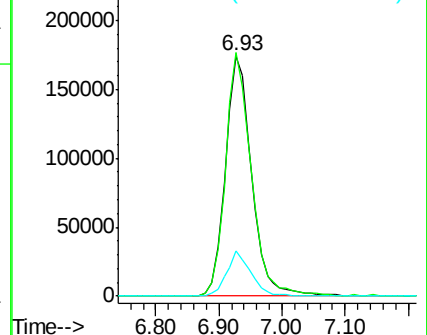
192 18.7 12.9 19.3



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: 44.065 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

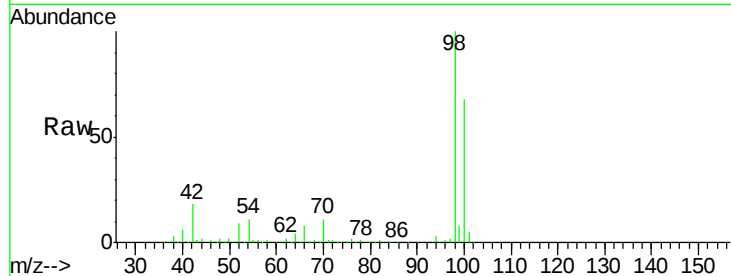
STOCK-PILE-07-01-19

Tot Ion: 98 Resp: 942614

Ion Ratio Lower Upper

98 100

100 68.4 54.7 82.1



Abundance Ion 98.05 (97.75 to 98.75): VD062780.D (-906) (-)

Ion 100.05 (99.75 to 100.75): VD062780.D (-906) (-)

10.41

400000

300000

200000

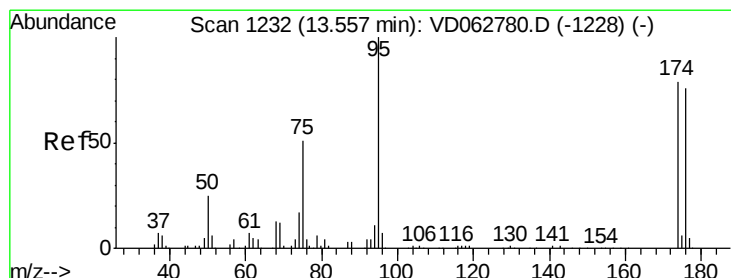
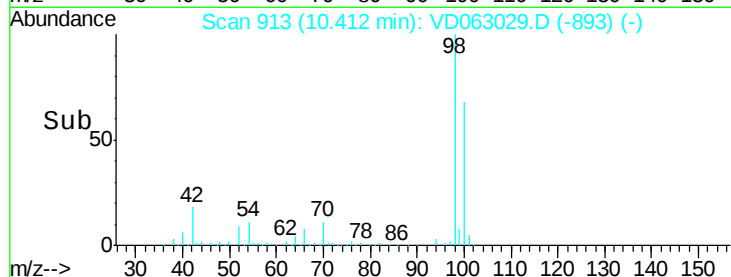
100000

0

10.40

10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 40.513 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD063029.D

Acq: 3 Jul 2019 17:25

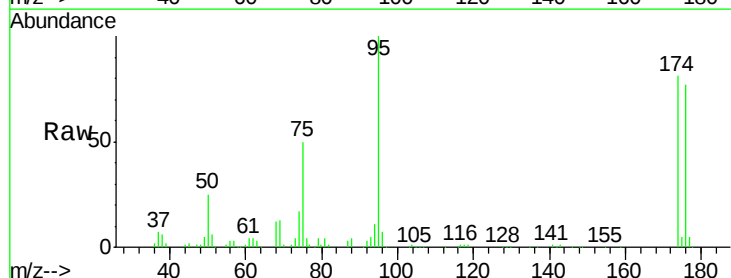
Tgt Ion: 95 Resp: 394069

Ion Ratio Lower Upper

95 100

174 80.8 0.0 158.0

176 76.5 0.0 151.6



Abundance Ion 95.00 (94.70 to 95.70): VD062780.D (-1228) (-)

Ion 173.90 (173.60 to 174.60): VD062780.D (-1228) (-)

Ion 175.90 (175.60 to 176.60): VD062780.D (-1228) (-)

300000

200000

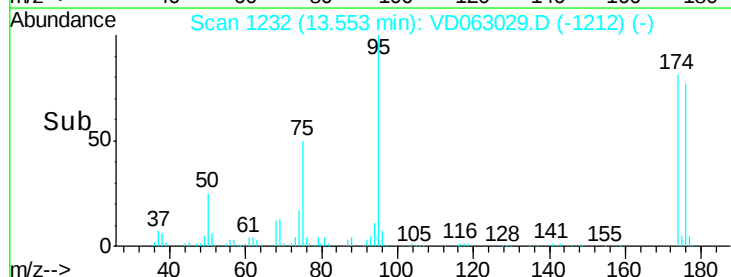
100000

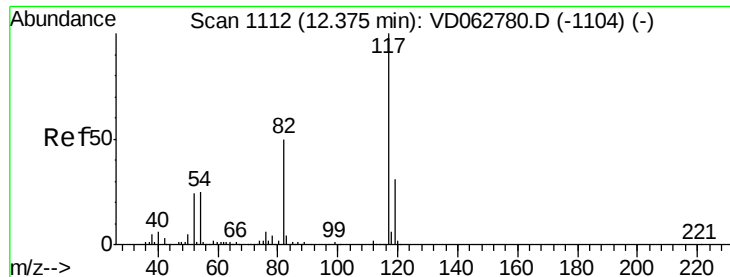
0

13.55

13.60

Time-->

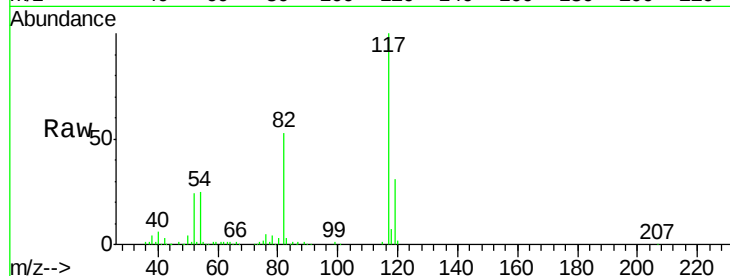




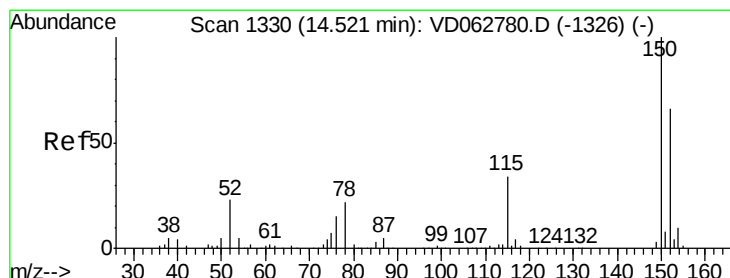
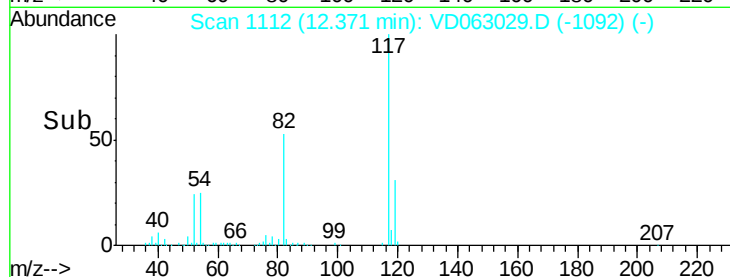
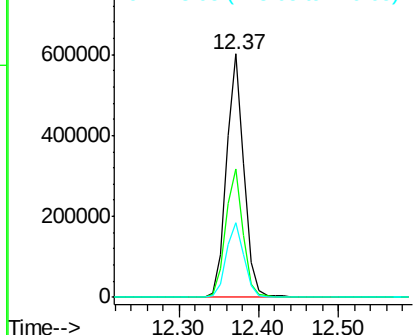
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Instrument :
MSVOA_D
ClientSampleId :
STOCK-PILE-07-01-19

Tot Ion:117 Resp: 927323
Ion Ratio Lower Upper
117 100
82 52.5 40.4 60.6
119 30.8 25.2 37.8

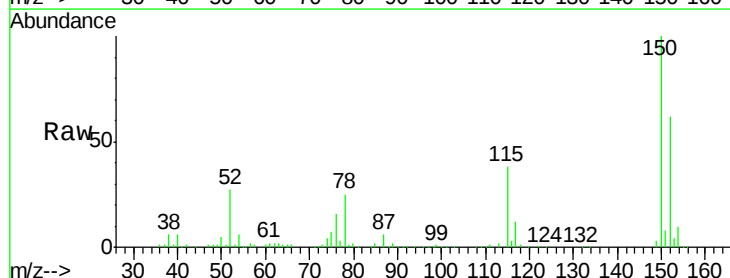


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD063029.D
Acq: 3 Jul 2019 17:25

Tgt Ion:152 Resp: 391251
Ion Ratio Lower Upper
152 100
115 61.7 29.2 87.6
150 160.6 0.0 305.8



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

