

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062419\
 Data File : VD062860.D
 Acq On : 25 Jun 2019 2:59
 Operator : VA/AP
 Sample : K3512-05
 Misc : 6.59g/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-8

Quant Time: Jun 25 06:37:18 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

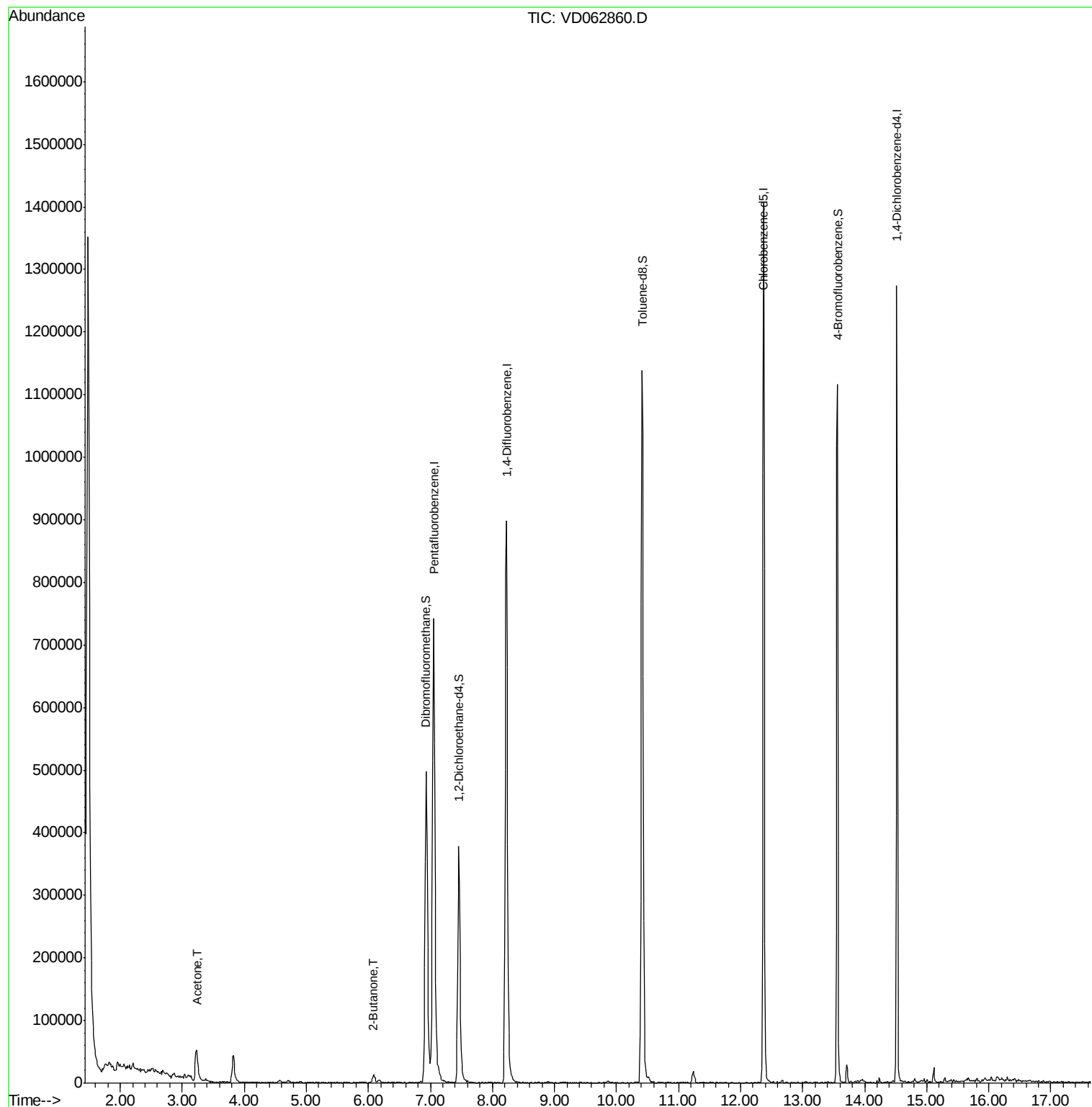
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	716401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	983213	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	741835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	265372	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	421751	54.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.32%	
35) Dibromofluoromethane	6.93	113	455742	54.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.94%	
50) Toluene-d8	10.41	98	960483	53.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	13.56	95	338521	41.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.52%	
Target Compounds						
16) Acetone	3.24	43	116185	68.494	ug/l #	92
25) 2-Butanone	6.08	43	25303	17.373	ug/l	97

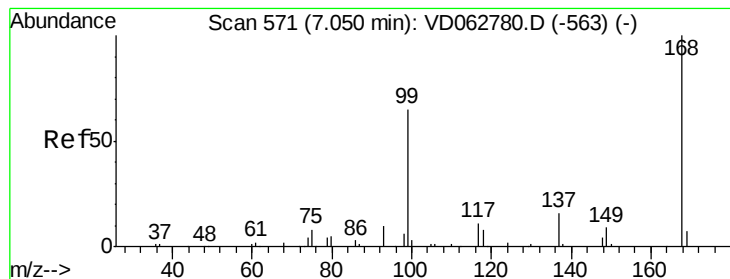
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD062860.D

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Instrument :

MSVOA_D

ClientSampleId :

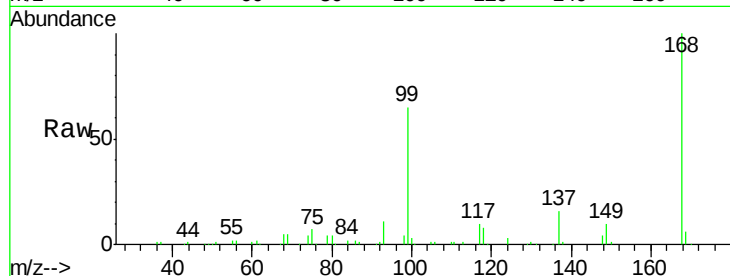
SAMPLE-8

Tot Ion:168 Resp: 716401

Ion Ratio Lower Upper

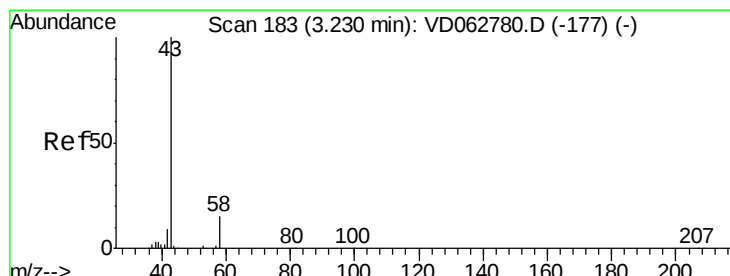
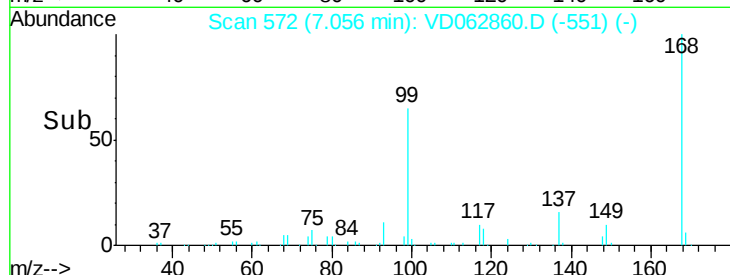
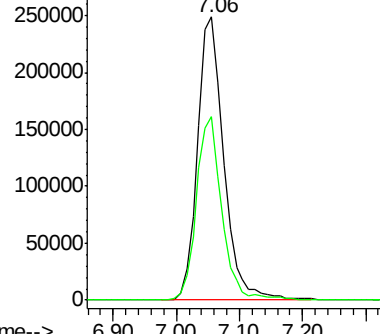
168 100

99 64.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 68.494 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.01 min

Lab File: VD062860.D

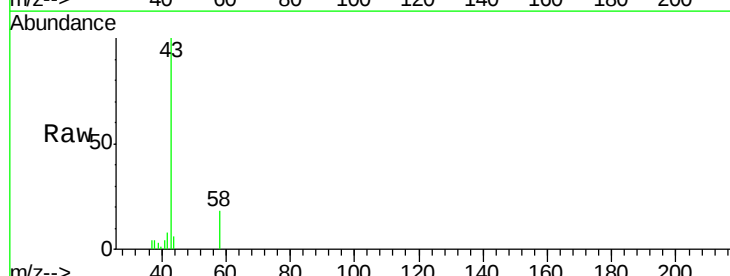
Acq: 25 Jun 2019 2:59

Tgt Ion: 43 Resp: 116185

Ion Ratio Lower Upper

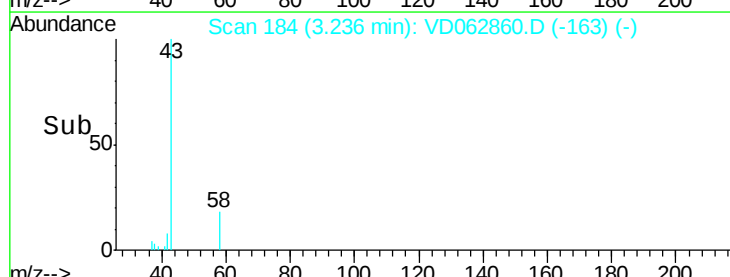
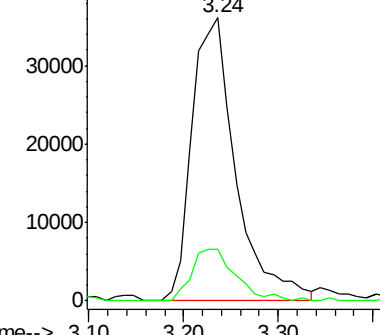
43 100

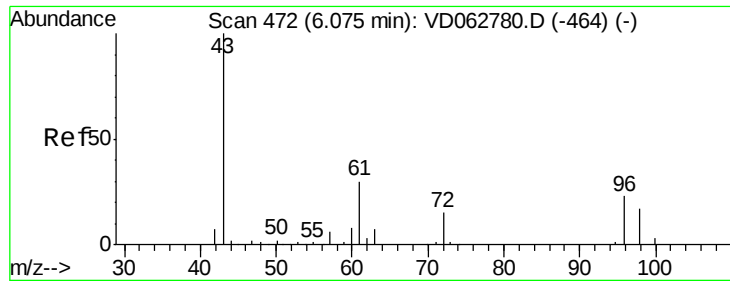
58 18.1 11.9 17.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

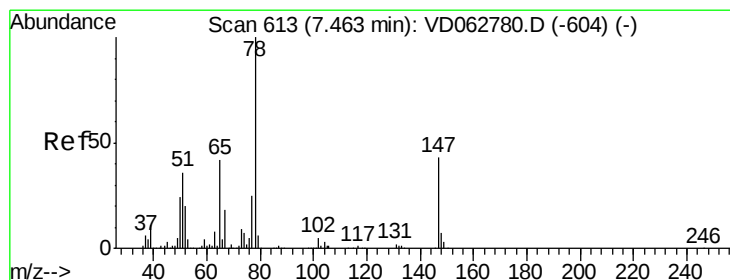
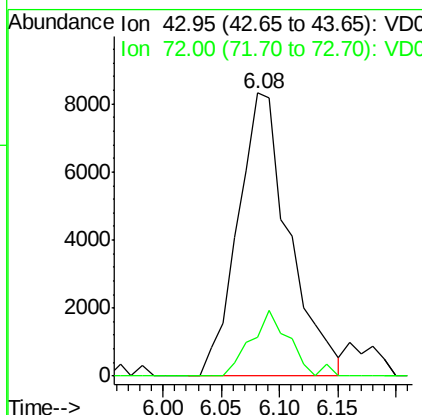
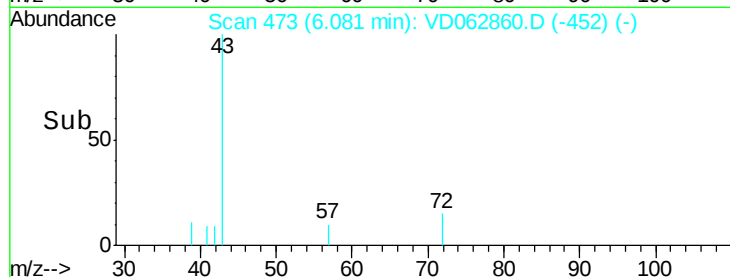
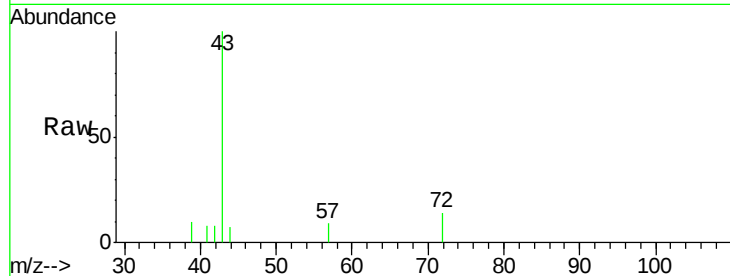




#25
2-Butanone
Concen: 17.373 ug/l
RT: 6.08 min Scan# 473
Delta R.T. 0.01 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

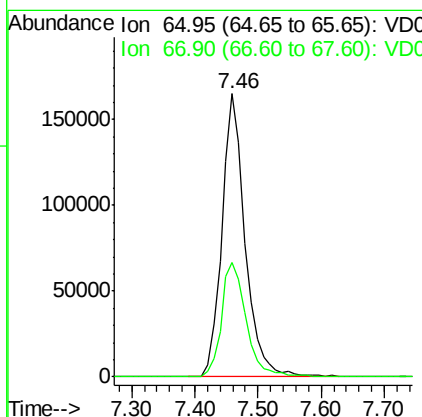
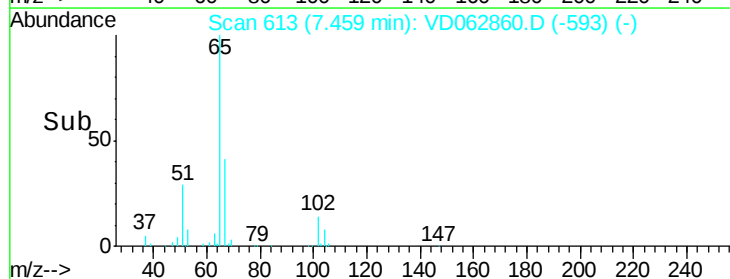
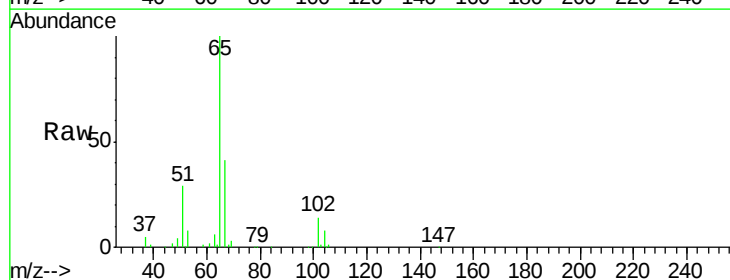
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8

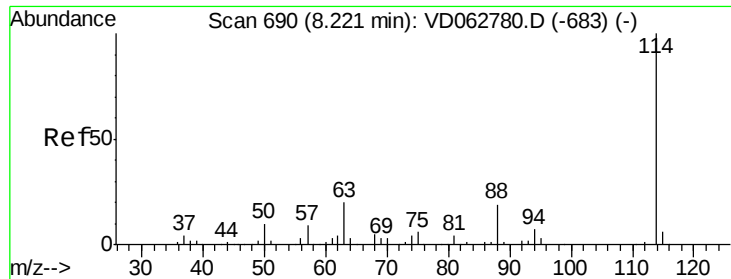
Tot Ion: 43 Resp: 25303
Ion Ratio Lower Upper
43 100
72 13.6 11.9 17.9



#33
1,2-Dichloroethane-d4
Concen: 54.160 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Tgt Ion: 65 Resp: 421751
Ion Ratio Lower Upper
65 100
67 40.5 0.0 87.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.01 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-8

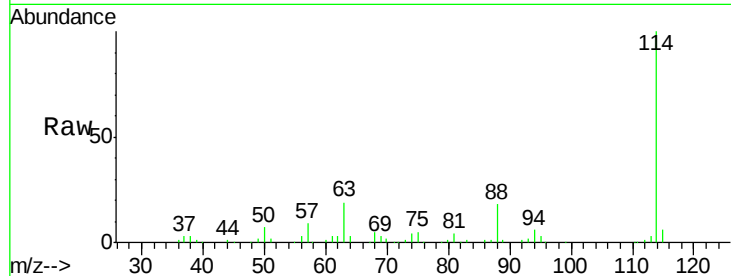
Tot Ion:114 Resp: 983213

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

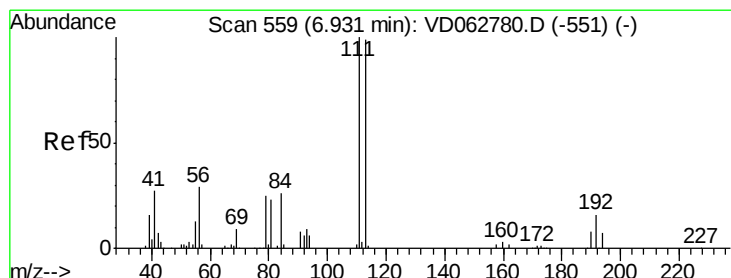
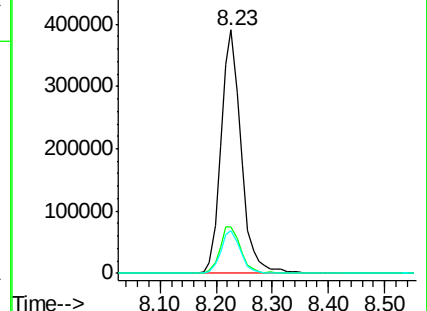
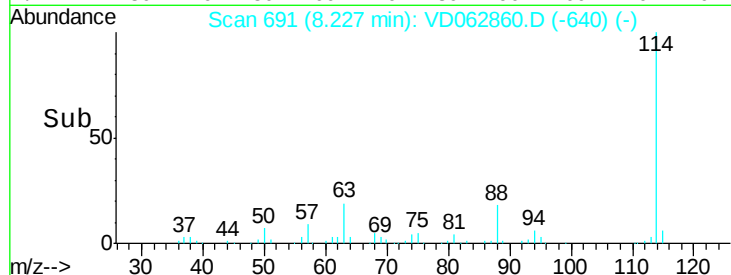
88 17.7 0.0 38.8



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



#35

Dibromofluoromethane

Concen: 54.972 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

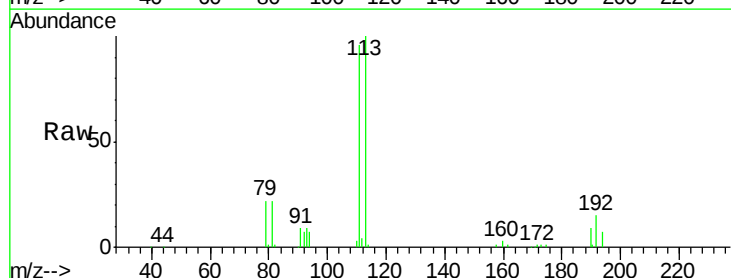
Tgt Ion:113 Resp: 455742

Ion Ratio Lower Upper

113 100

111 95.8 81.2 121.8

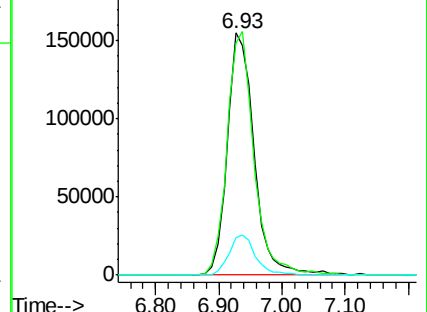
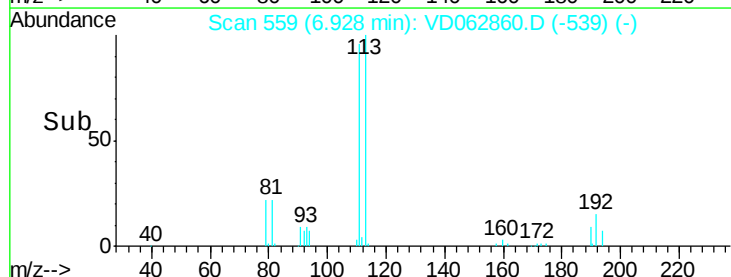
192 15.3 12.9 19.3

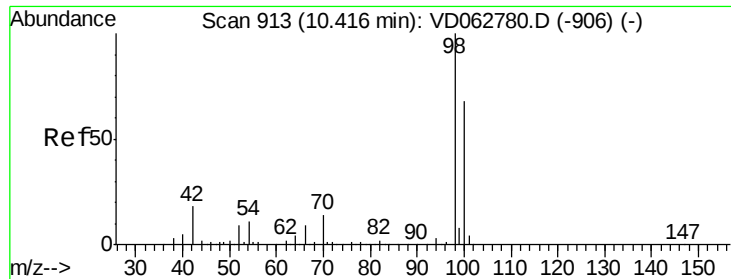


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: 53.231 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

Instrument :

MSVOA_D

ClientSampleId :

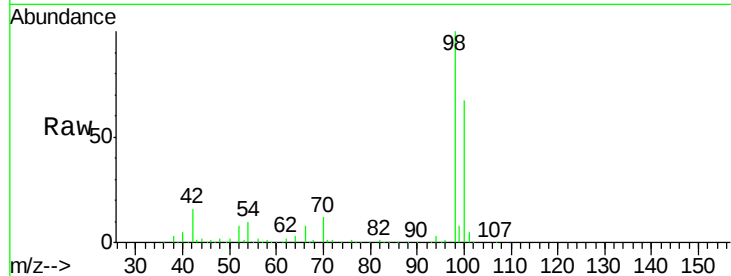
SAMPLE-8

Tot Ion: 98 Resp: 960483

Ion Ratio Lower Upper

98 100

100 66.7 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

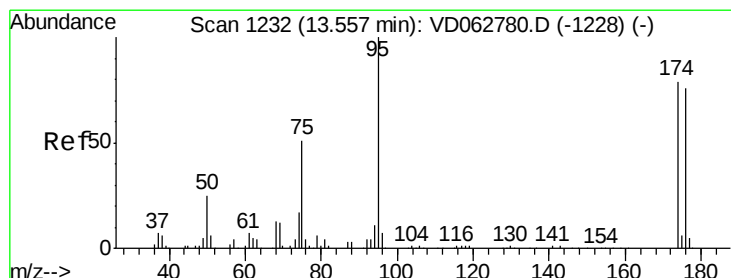
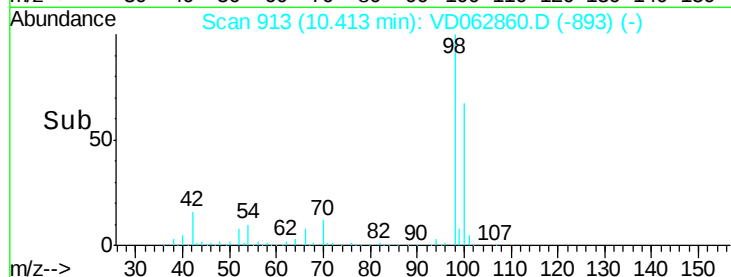
100000

0

10.40

10.60

Time-->



#62

4-Bromofluorobenzene

Concen: 41.260 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062860.D

Acq: 25 Jun 2019 2:59

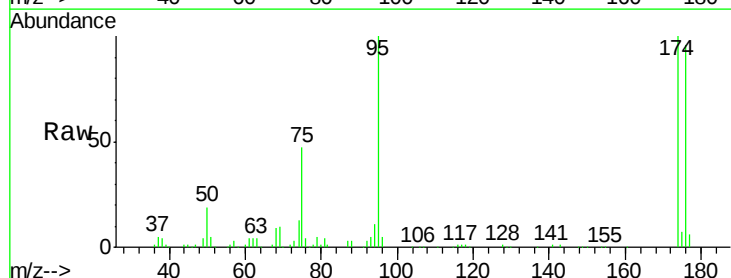
Tgt Ion: 95 Resp: 338521

Ion Ratio Lower Upper

95 100

174 100.3 0.0 158.0

176 96.3 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) (-)

13.56

200000

150000

100000

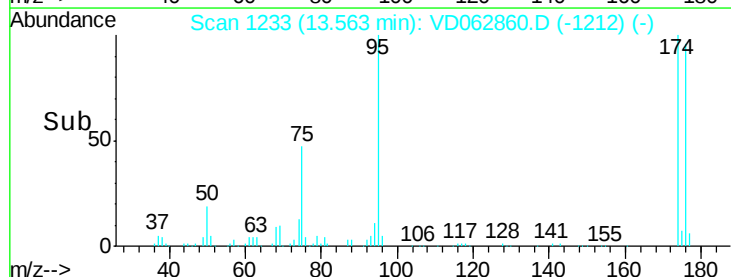
50000

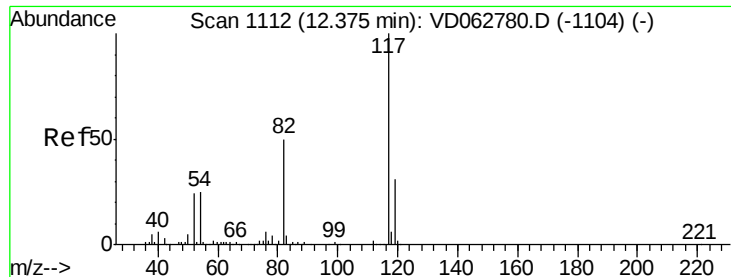
0

13.50

13.60

Time-->

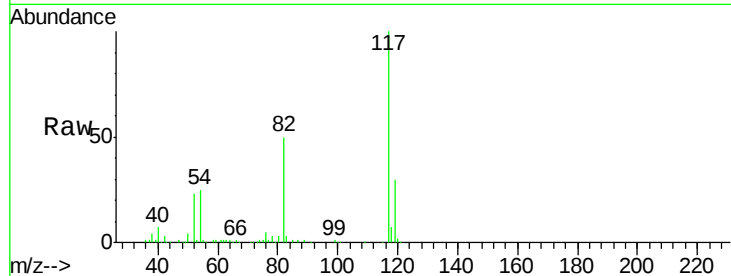




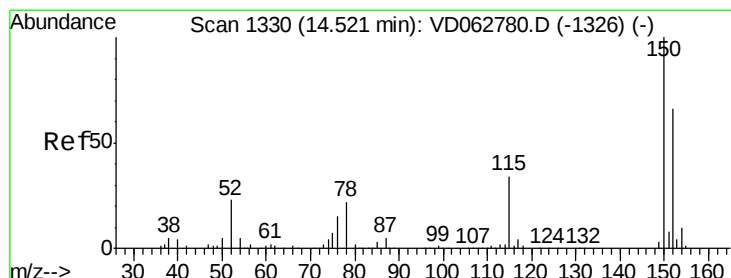
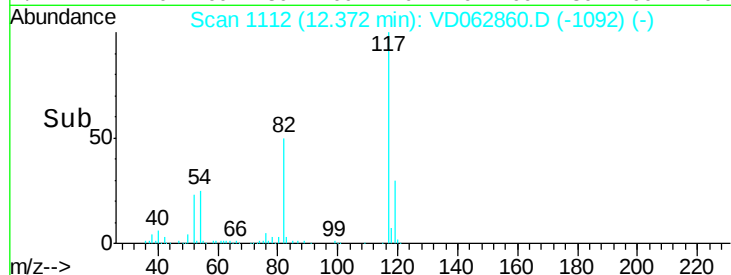
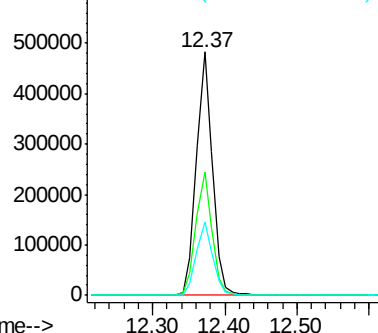
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-8

Tot Ion:117 Resp: 741835
Ion Ratio Lower Upper
117 100
82 50.4 40.4 60.6
119 29.9 25.2 37.8

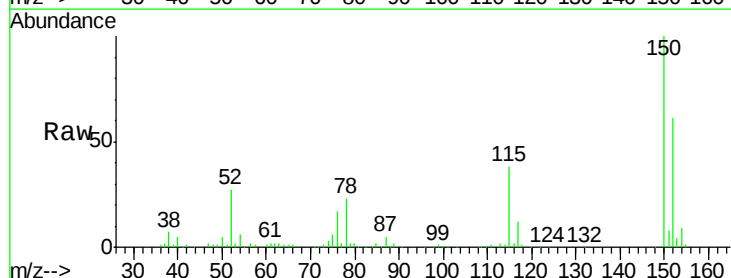


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062860.D
Acq: 25 Jun 2019 2:59

Tgt Ion:152 Resp: 265372
Ion Ratio Lower Upper
152 100
115 63.2 29.2 87.6
150 164.5 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

