

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062618\
 Data File : VD059436.D
 Acq On : 26 Jun 2018 21:06
 Operator : VA/AP
 Sample : J3251-05
 Misc : 6.08g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-062518

Quant Time: Jun 27 11:08:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

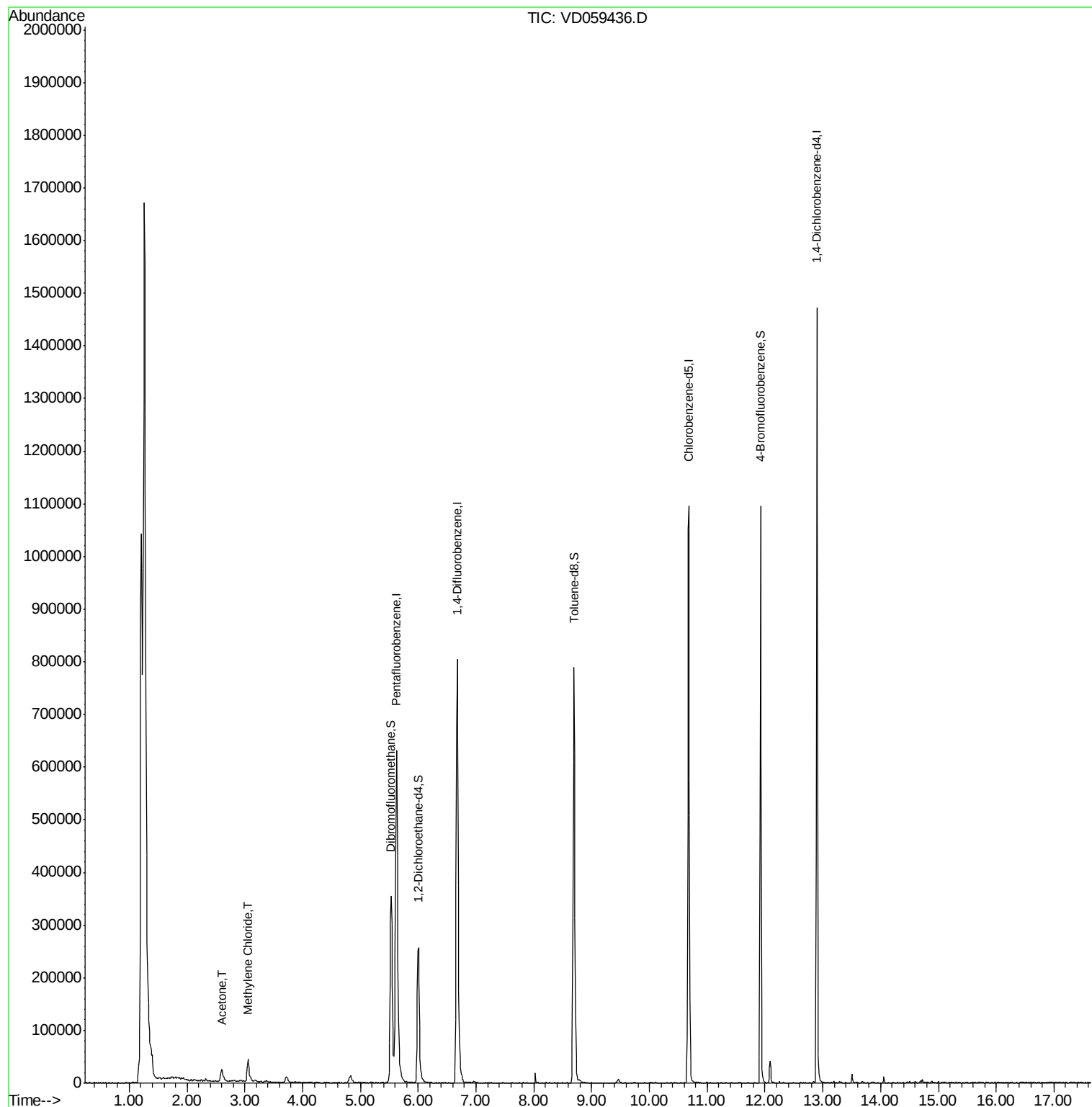
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	650594	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	6.67	114	826435	50.00	ug/l	-0.02
63) Chlorobenzene-d5	10.68	117	647005	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	326103	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.99	65	265985	39.98	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	79.96%	
35) Dibromofluoromethane	5.53	113	281962	41.89	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	83.78%	
50) Toluene-d8	8.69	98	610226	38.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	77.56%	
62) 4-Bromofluorobenzene	11.92	95	269540	41.18	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	82.36%	
Target Compounds						
16) Acetone	2.60	43	49854	59.37	ug/l	97
20) Methylene Chloride	3.05	84	20720	6.74	ug/l #	72

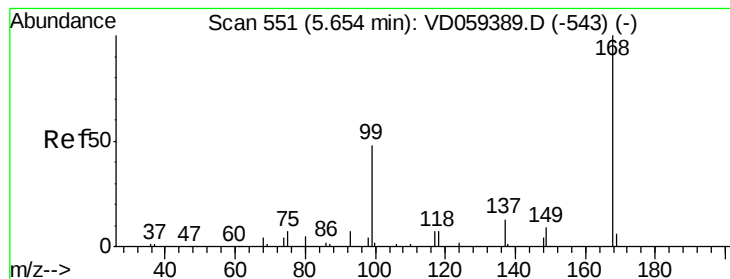
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.02 min

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ClientSampleId :

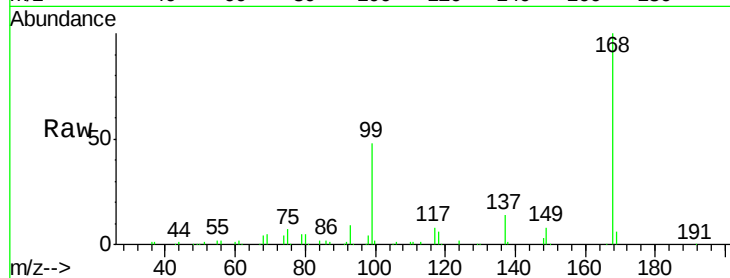
SU-02-062518

Tot Ion:168 Resp: 650594

Ion Ratio Lower Upper

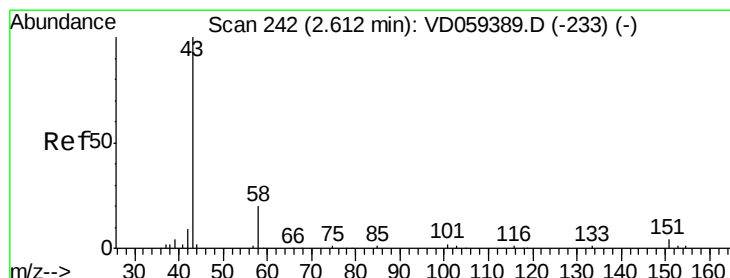
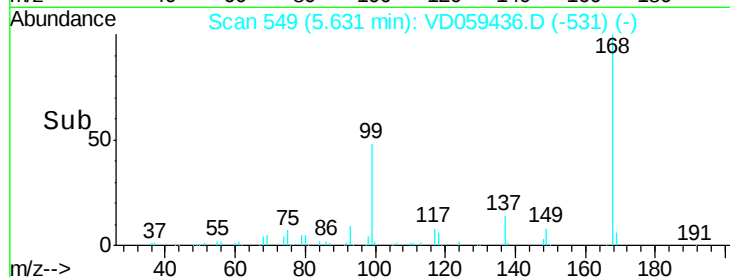
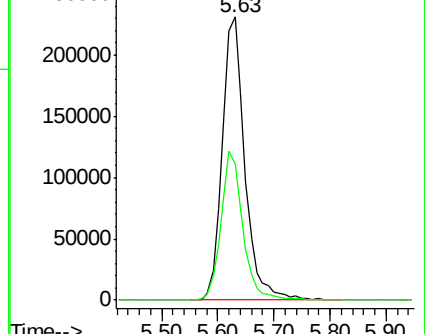
168 100

99 48.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 59.37 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059436.D

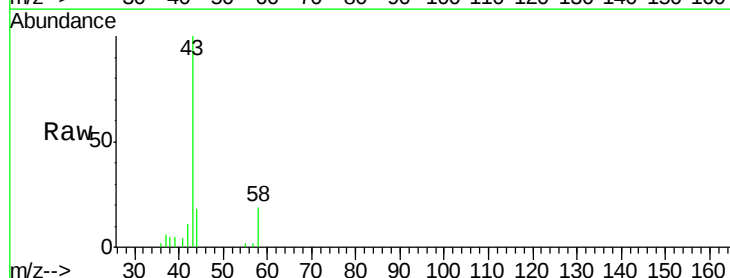
Acq: 26 Jun 2018 21:06

Tgt Ion: 43 Resp: 49854

Ion Ratio Lower Upper

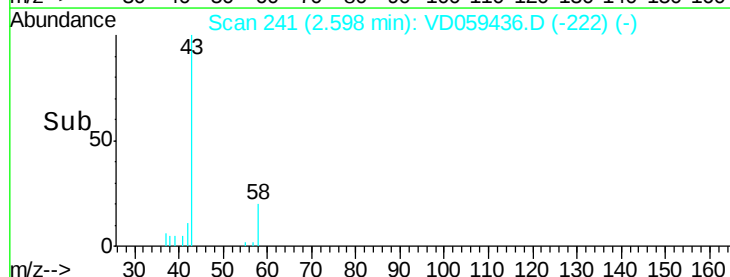
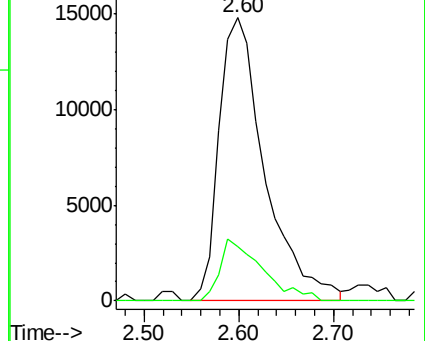
43 100

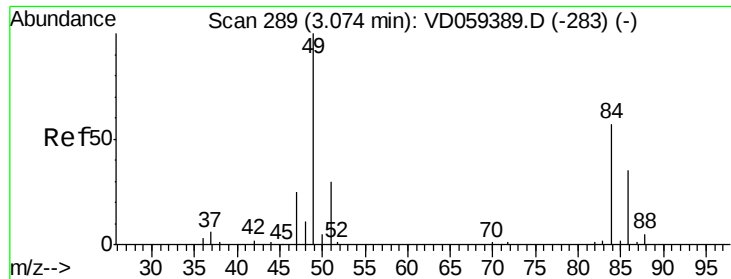
58 19.4 16.8 25.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

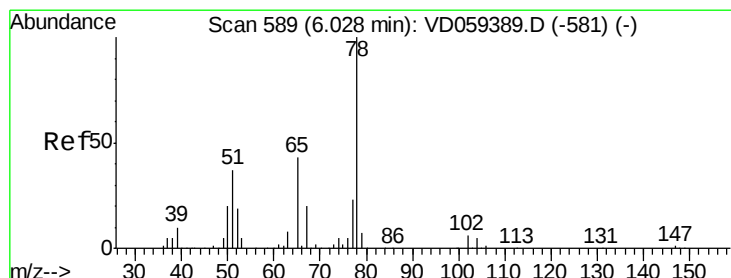
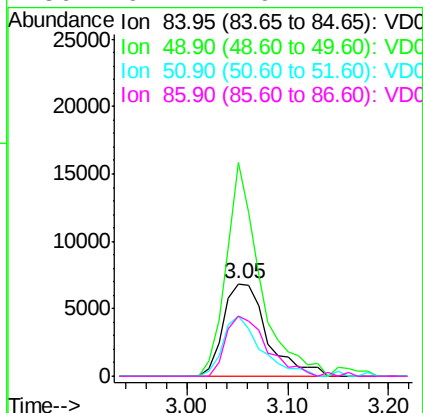
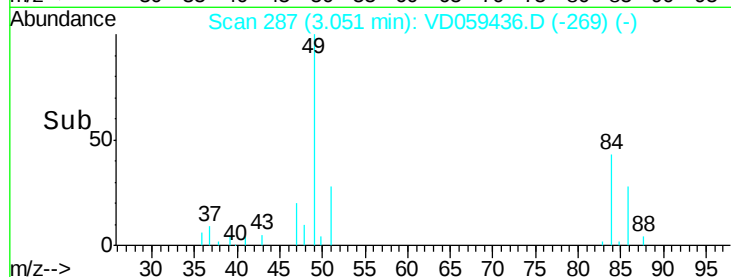
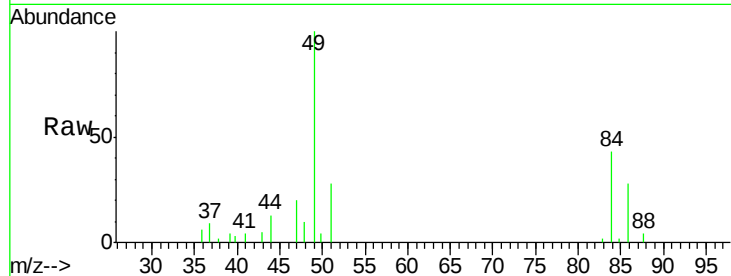




#20
Methvlene Chloride
Concen: 6.74 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059436.D
Acq: 26 Jun 2018 21:06

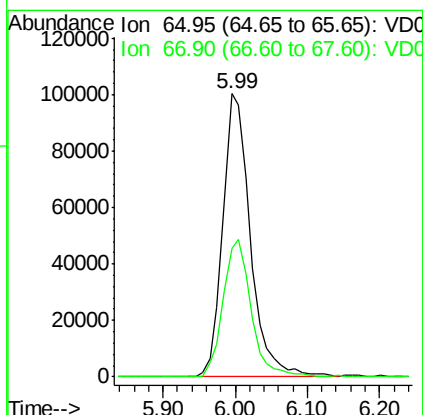
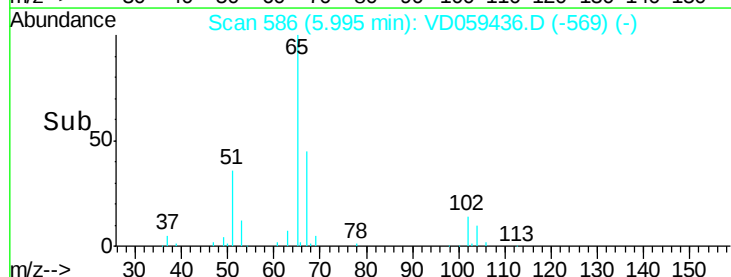
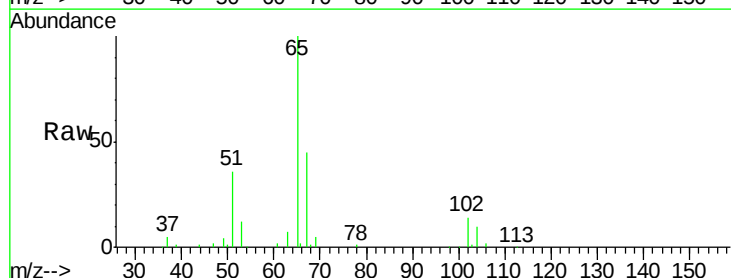
Instrument :
MSVOA_D
ClientSampleId :
SU-02-062518

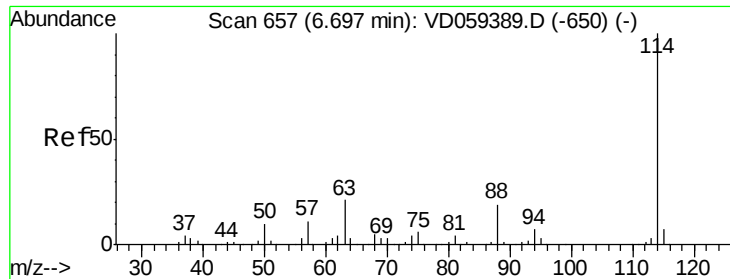
Tot Ion: 84 Resp: 20720
Ion Ratio Lower Upper
84 100
49 230.2 140.3 210.5#
51 65.3 41.6 62.4#
86 64.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 5.99 min Scan# 586
Delta R.T. -0.03 min
Lab File: VD059436.D
Acq: 26 Jun 2018 21:06

Tgt Ion: 65 Resp: 265985
Ion Ratio Lower Upper
65 100
67 45.5 0.0 93.8

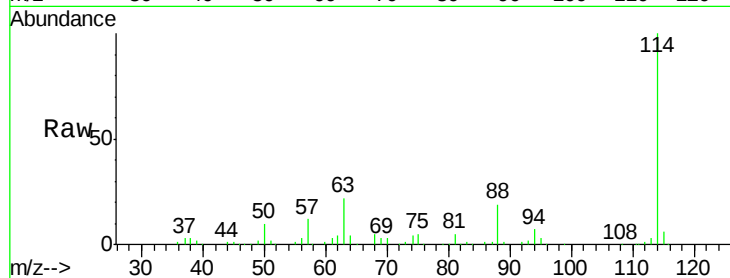




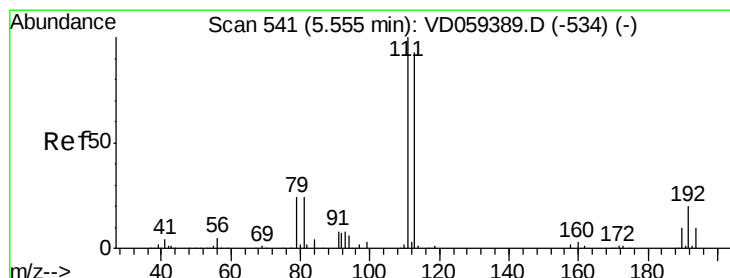
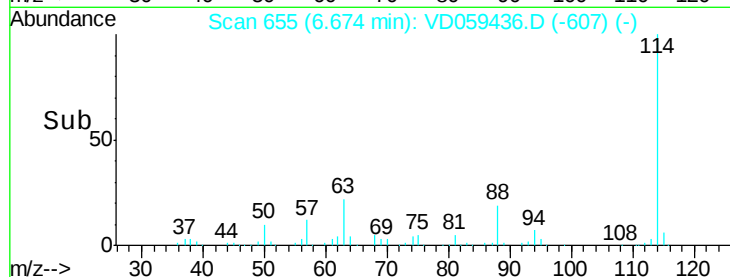
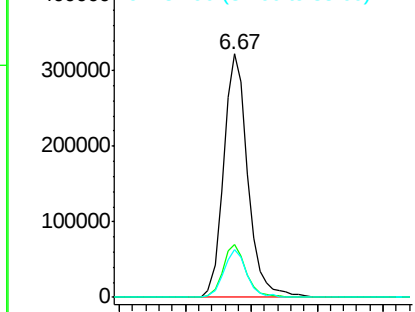
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. -0.02 min
 Lab File: VD059436.D
 Acq: 26 Jun 2018 21:06

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-062518

Tot Ion:114 Resp: 826435
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.4
 88 19.4 0.0 38.0

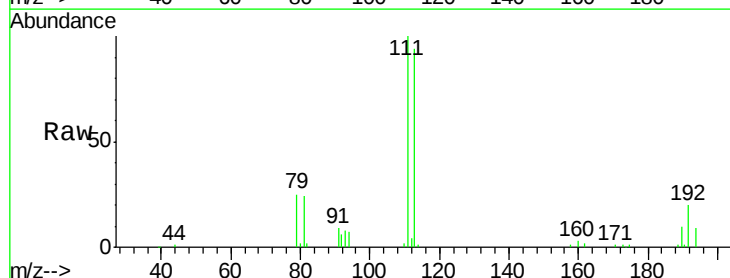


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

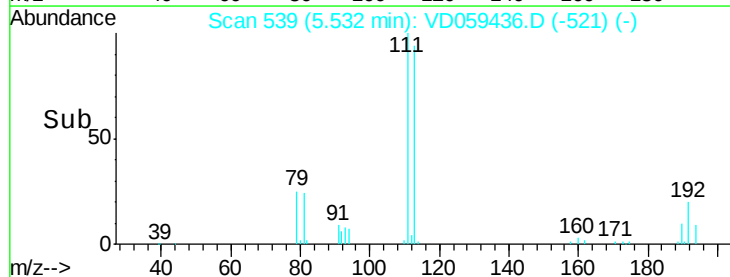
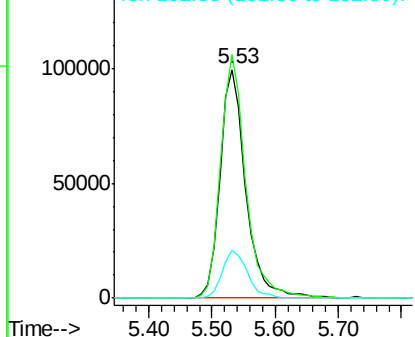


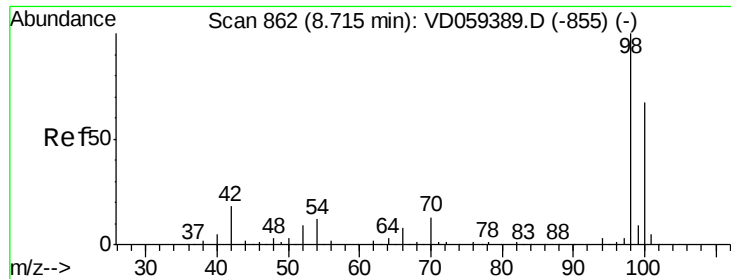
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. -0.02 min
 Lab File: VD059436.D
 Acq: 26 Jun 2018 21:06

Tgt Ion:113 Resp: 281962
 Ion Ratio Lower Upper
 113 100
 111 106.5 85.7 128.5
 192 21.1 16.9 25.3



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: N.D. ug/l

RT: 8.69 min Scan# 860

Delta R.T. -0.02 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

Instrument :

MSVOA_D

ClientSampleId :

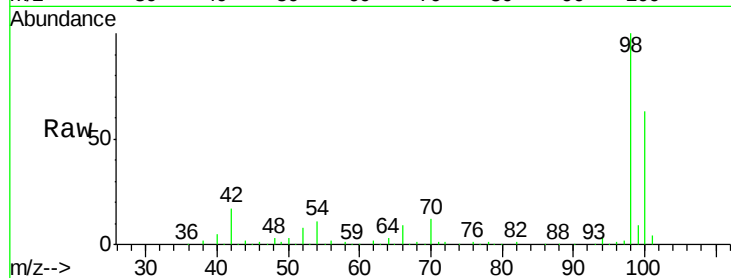
SU-02-062518

Tot Ion: 98 Resp: 610226

Ion Ratio Lower Upper

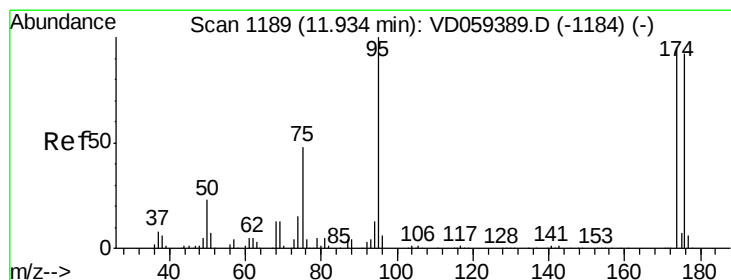
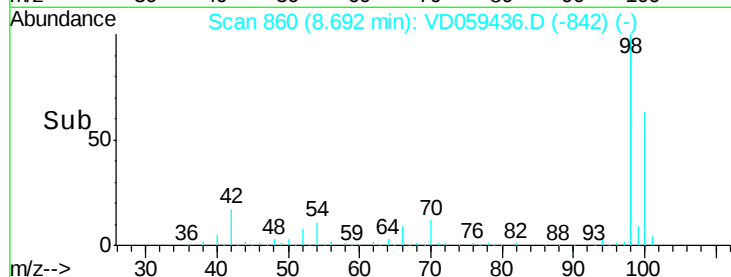
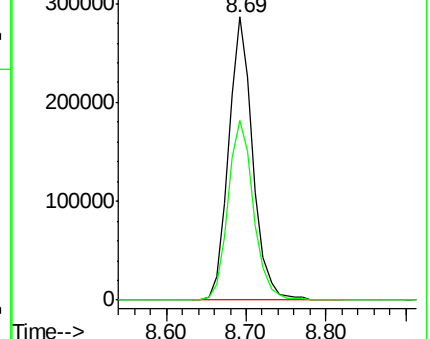
98 100

100 63.4 54.4 81.6



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: 11.92 min Scan# 1188

Delta R.T. -0.01 min

Lab File: VD059436.D

Acq: 26 Jun 2018 21:06

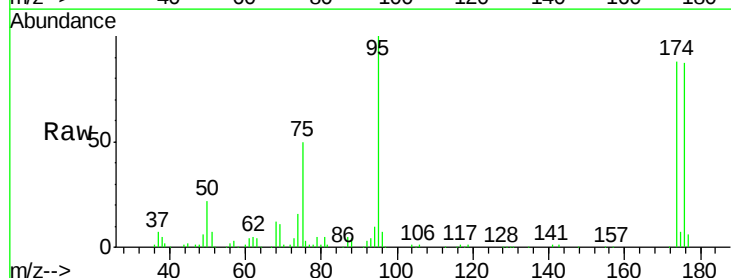
Tgt Ion: 95 Resp: 269540

Ion Ratio Lower Upper

95 100

174 87.8 0.0 190.4

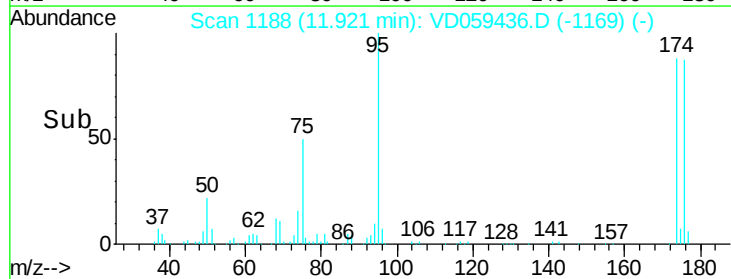
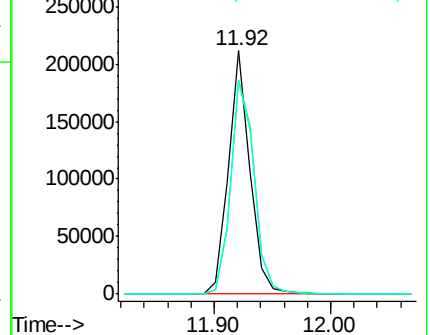
176 87.4 0.0 183.2

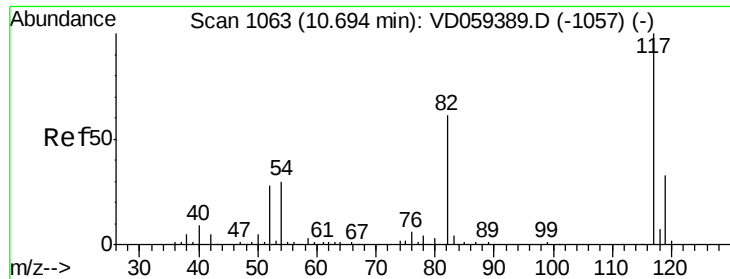


Abundance Ion 95.00 (94.70 to 95.70): VD0

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

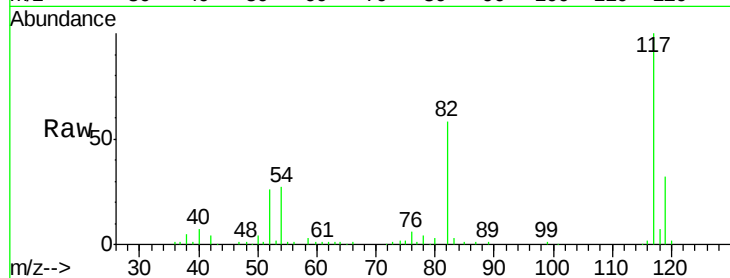




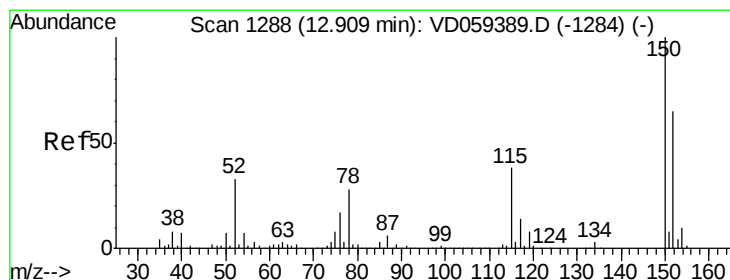
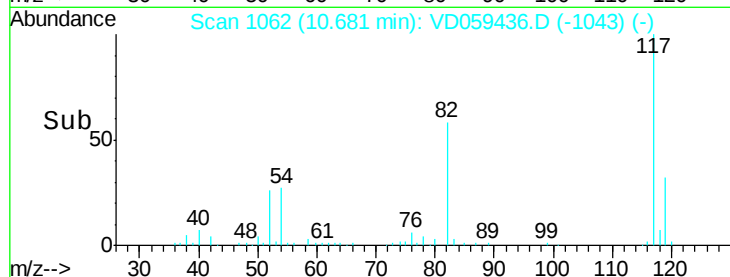
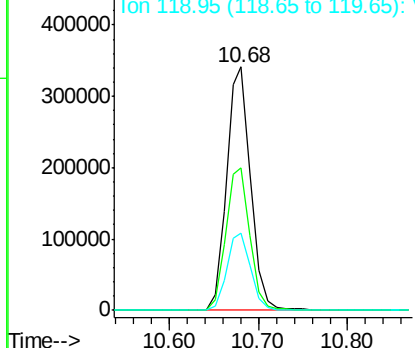
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1062
Delta R.T. -0.01 min
Lab File: VD059436.D
Acq: 26 Jun 2018 21:06

Instrument :
MSVOA_D
ClientSampleId :
SU-02-062518

Tot Ion:117 Resp: 647005
Ion Ratio Lower Upper
117 100
82 58.4 49.0 73.6
119 31.8 26.2 39.4

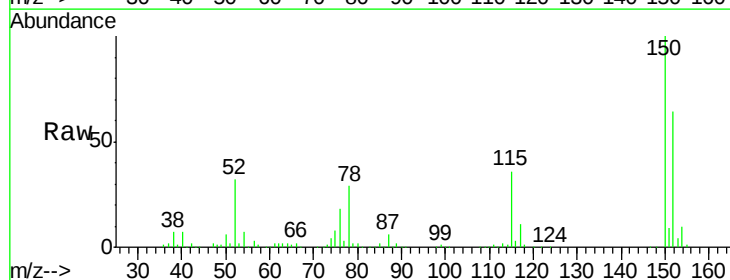


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VD059436.D
Acq: 26 Jun 2018 21:06

Tgt Ion:152 Resp: 326103
Ion Ratio Lower Upper
152 100
115 56.2 29.4 88.3
150 157.1 0.0 308.2



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

