

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059590.D
 Acq On : 25 Jul 2018 15:34
 Operator : VA/AP
 Sample : J4070-01
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC011-S-180718

Quant Time: Jul 26 04:28:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

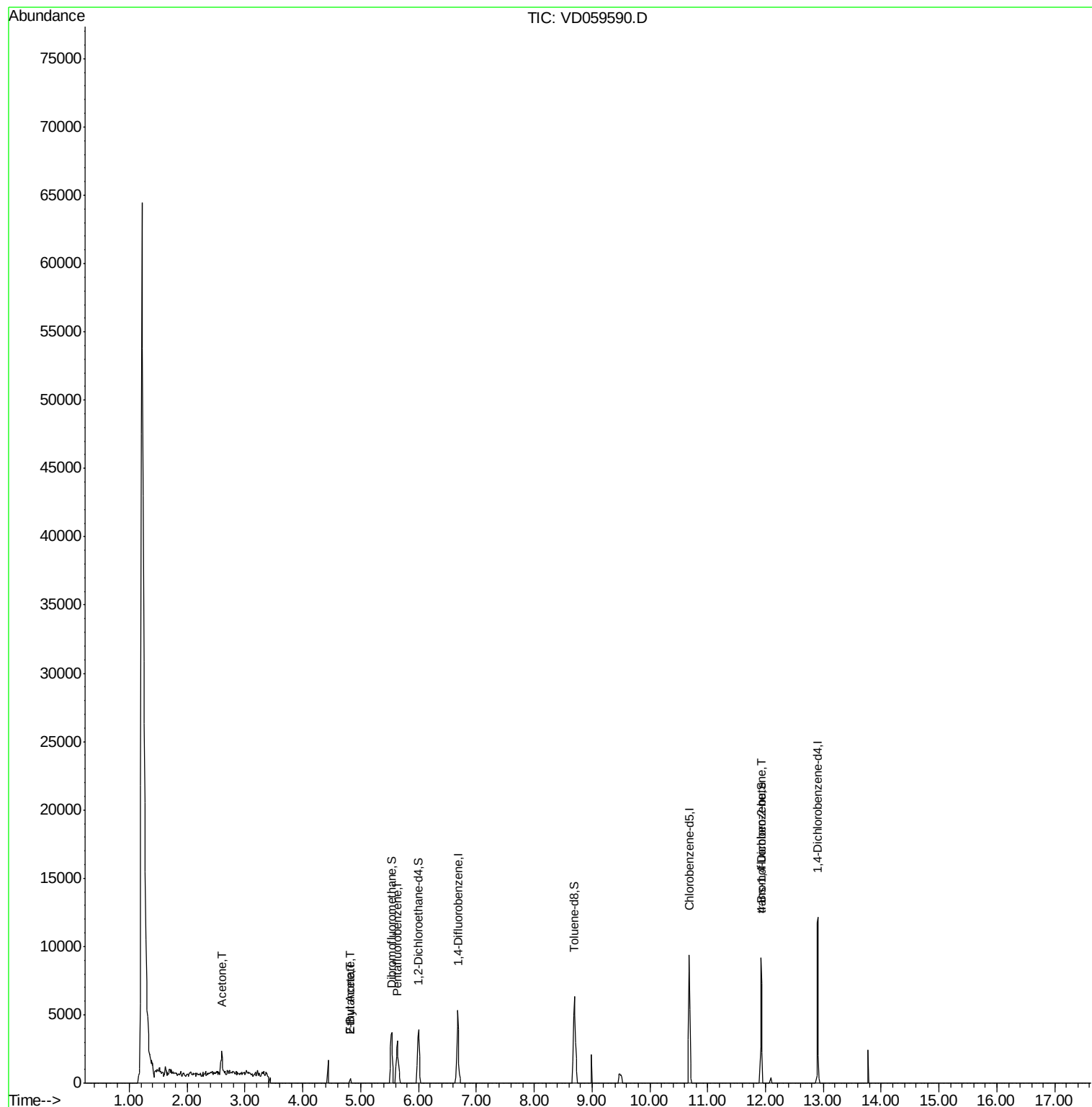
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	4866	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.68	114	7848	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.68	117	6724	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	3626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.00	65	5066	82.81	ug/l	0.02
Spiked Amount 50.000			Recovery	=	165.62%	
35) Dibromofluoromethane	5.53	113	3865	57.41	ug/l	0.02
Spiked Amount 50.000			Recovery	=	114.82%	
50) Toluene-d8	8.70	98	7157	46.87	ug/l	0.02
Spiked Amount 50.000			Recovery	=	93.74%	
62) 4-Bromofluorobenzene	11.92	95	3290	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
Target Compounds						
16) Acetone	2.60	43	3042	329.28	ug/l #	61
25) 2-Butanone	4.82	43	382	27.11	ug/l #	59
37) Ethyl Acetate	4.82	43	382	9.43	ug/l #	71
81) trans-1,4-Dichloro-2-buten	11.92	75	1598	104.23	ug/l #	1

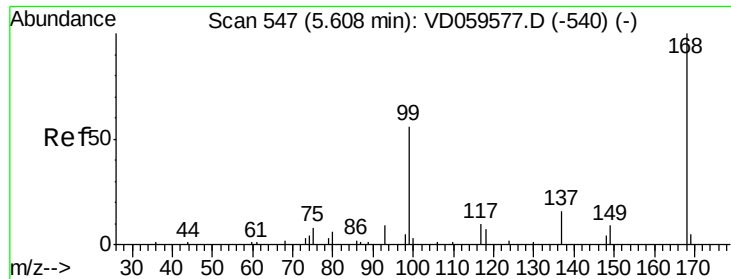
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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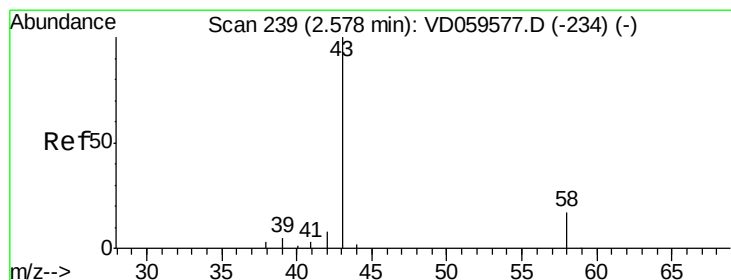
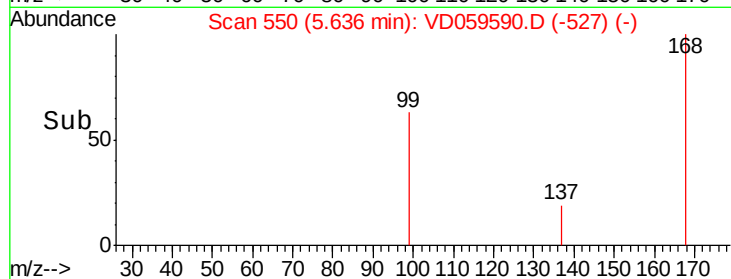
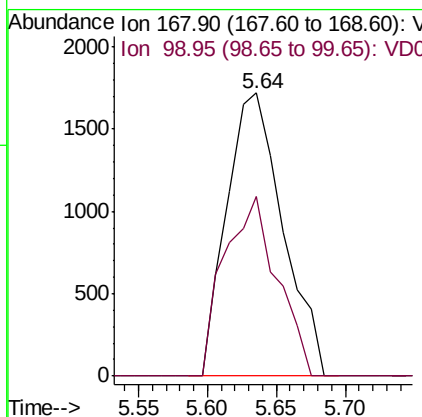
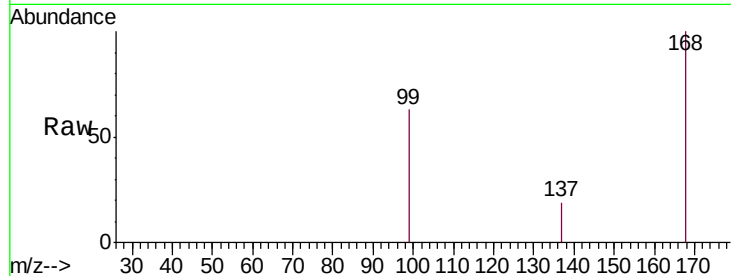




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.64 min Scan# 550
Delta R.T. 0.03 min
Lab File: VD059590.D
Acq: 25 Jul 2018 15:34

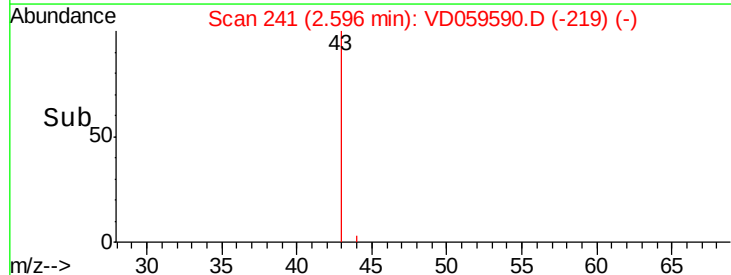
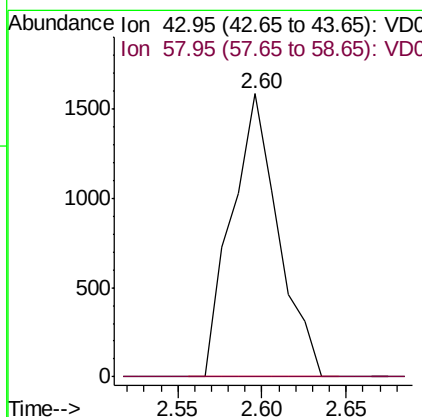
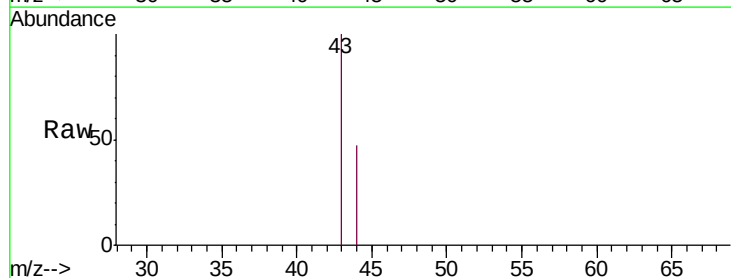
Instrument :
MSVOA_D
ClientSampleId :
KY030LC011-S-180718

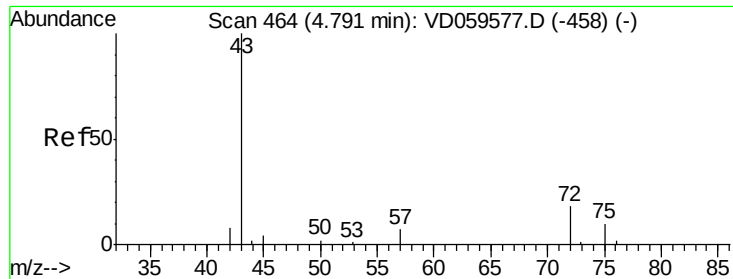
Tot Ion:168 Resp: 4866
Ion Ratio Lower Upper
168 100
99 63.3 47.3 70.9



#16
Acetone
Concen: 329.28 ug/l
RT: 2.60 min Scan# 241
Delta R.T. 0.02 min
Lab File: VD059590.D
Acq: 25 Jul 2018 15:34

Tgt Ion: 43 Resp: 3042
Ion Ratio Lower Upper
43 100
58 0.0 13.4 20.0#





#25

2-Butanone

Concen: 27.11 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.03 min

Lab File: VD059590.D

Acq: 25 Jul 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

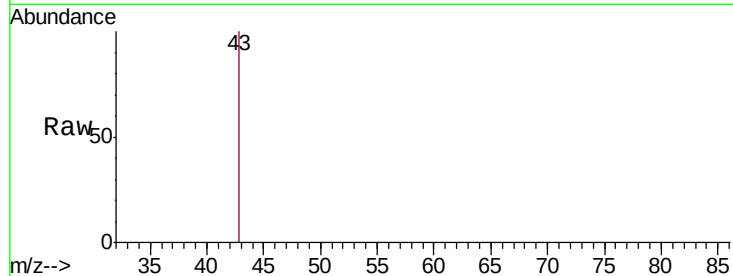
KY030LC011-S-180718

Tot Ion: 43 Resp: 382

Ion Ratio Lower Upper

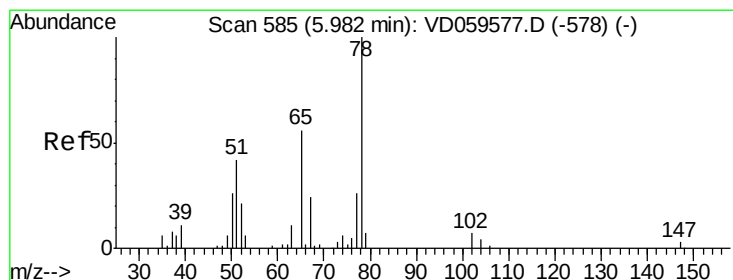
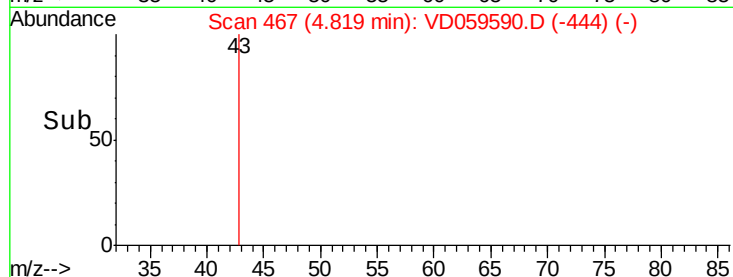
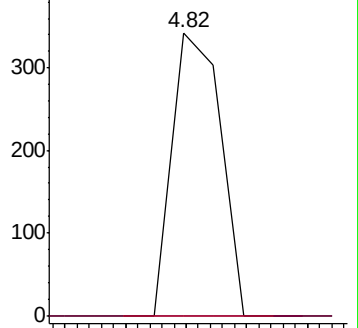
43 100

72 0.0 14.7 22.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.02 min

Lab File: VD059590.D

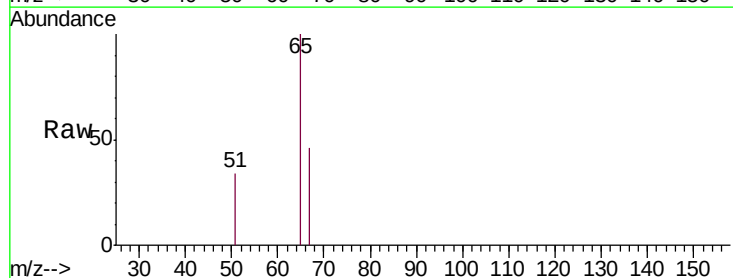
Acq: 25 Jul 2018 15:34

Tgt Ion: 65 Resp: 5066

Ion Ratio Lower Upper

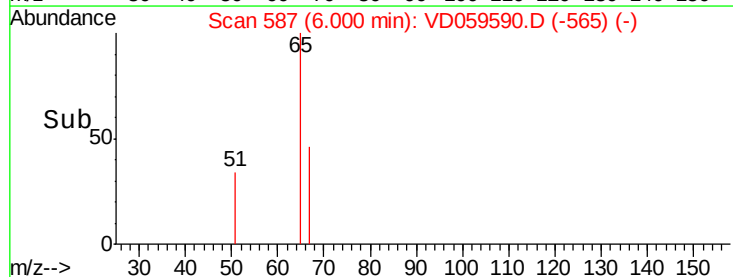
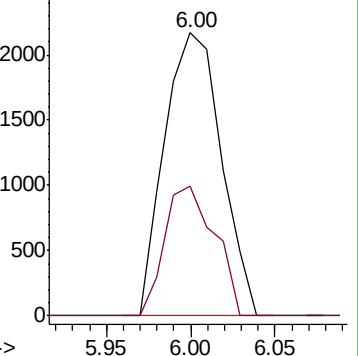
65 100

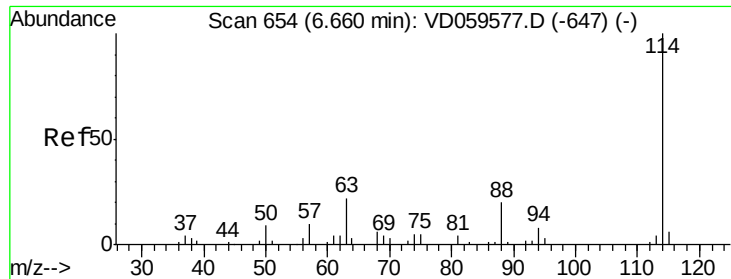
67 46.0 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

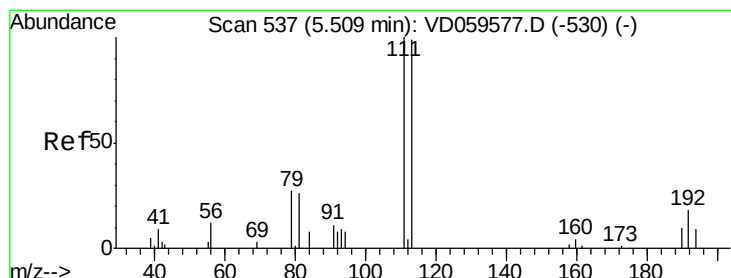
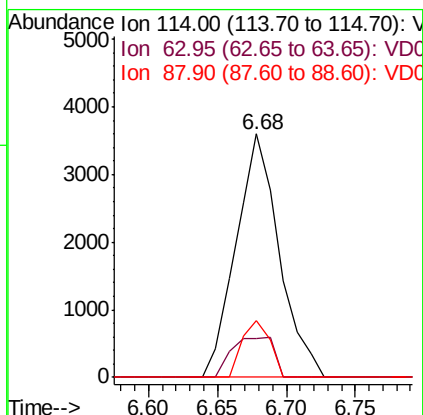
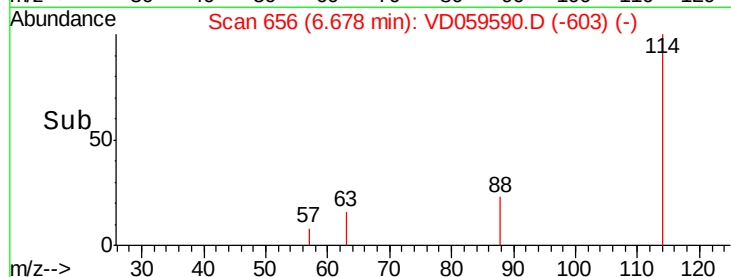
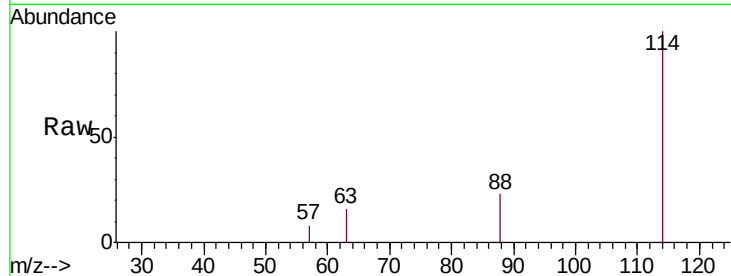




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.02 min
 Lab File: VD059590.D
 Acq: 25 Jul 2018 15:34

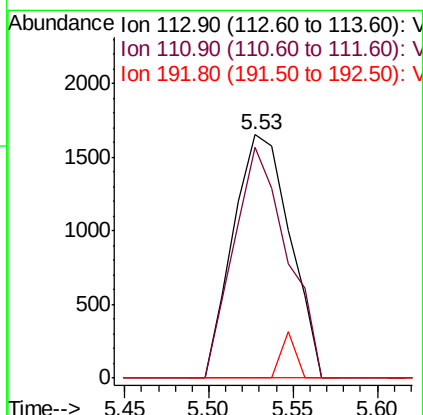
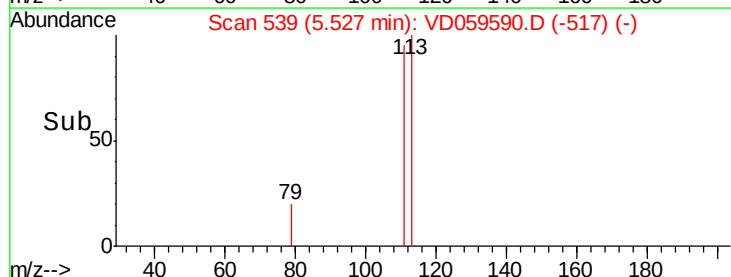
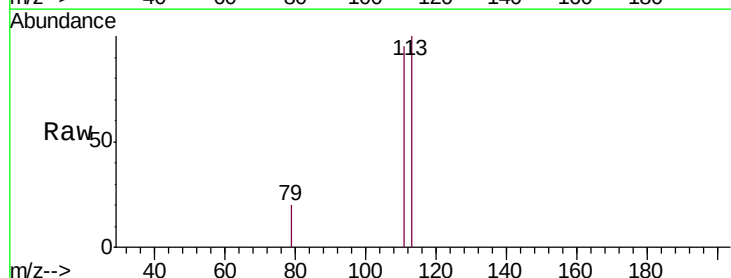
Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC011-S-180718

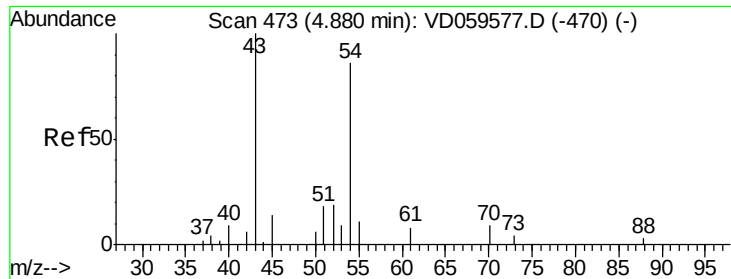
Tot Ion:114 Resp: 7848
 Ion Ratio Lower Upper
 114 100
 63 16.1 0.0 43.8
 88 23.4 0.0 39.0



#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.53 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VD059590.D
 Acq: 25 Jul 2018 15:34

Tgt Ion:113 Resp: 3865
 Ion Ratio Lower Upper
 113 100
 111 94.8 80.5 120.7
 192 0.0 14.5 21.7#





#37

Ethyl Acetate

Concen: 9.43 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.06 min

Lab File: VD059590.D

Acq: 25 Jul 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

KY030LC011-S-180718

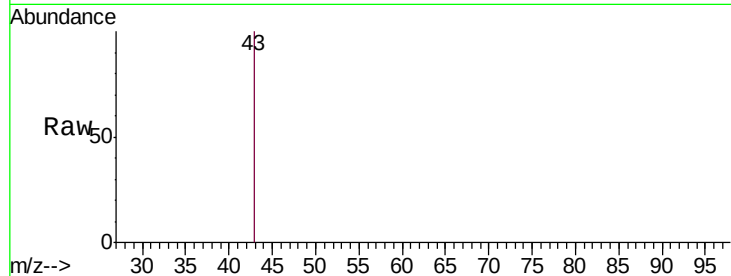
Tot Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

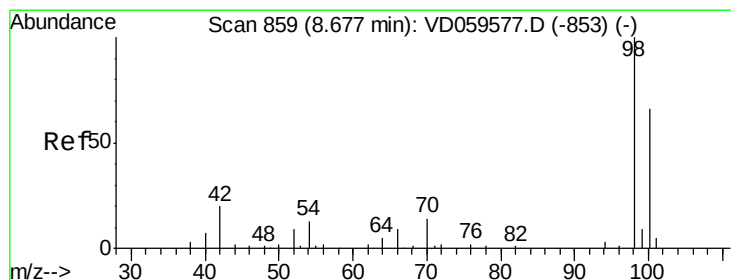
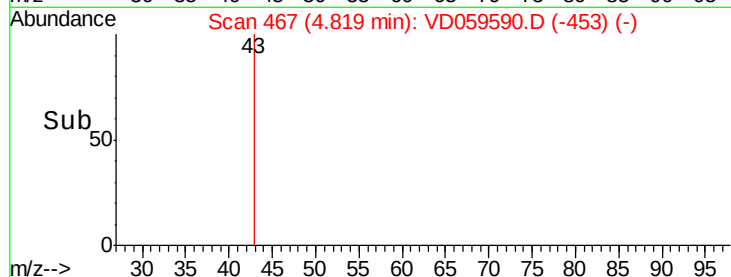
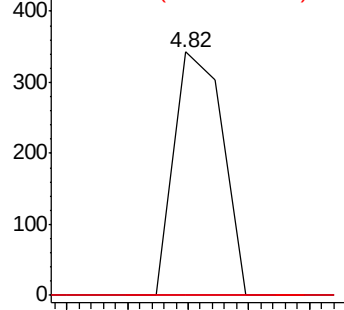
70 0.0 5.4 8.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD059590.D

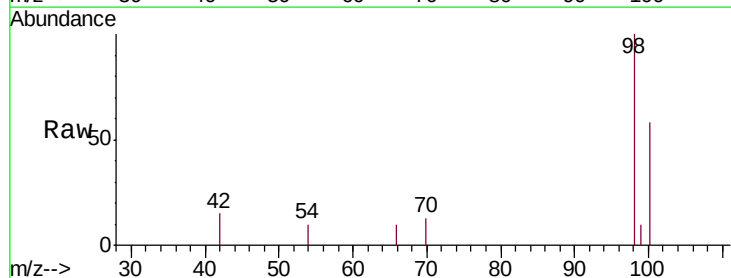
Acq: 25 Jul 2018 15:34

Tgt Ion: 98 Resp: 7157

Ion Ratio Lower Upper

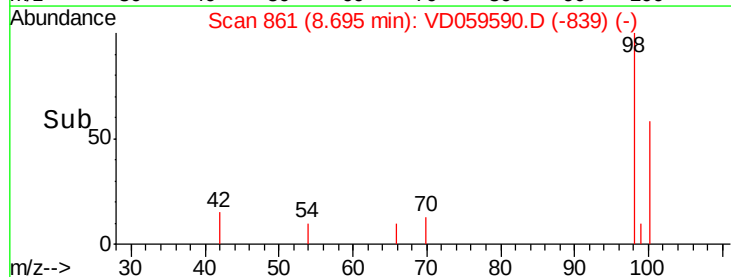
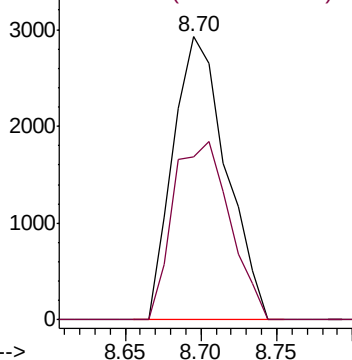
98 100

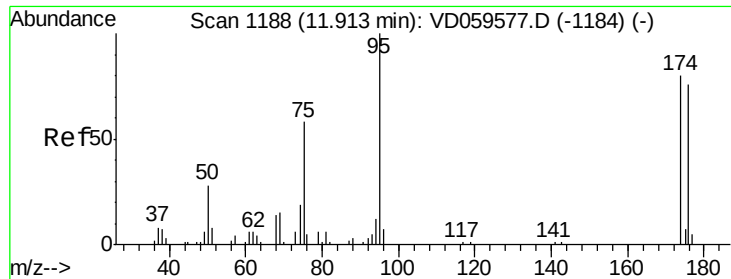
100 57.7 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

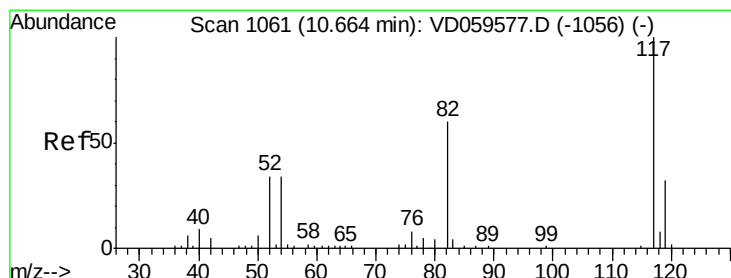
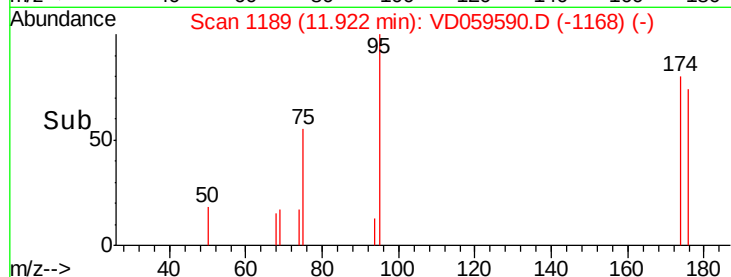
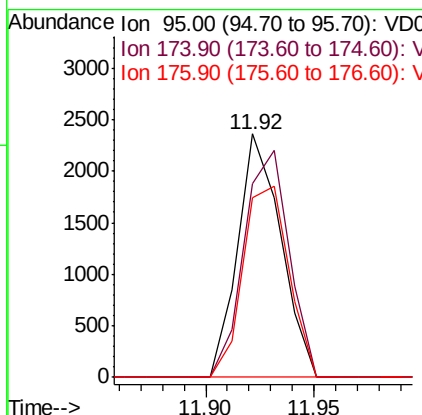
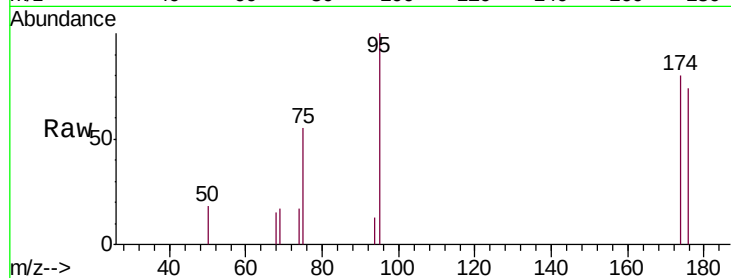




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.92 min Scan# 1189
Delta R.T. 0.01 min
Lab File: VD059590.D
Acq: 25 Jul 2018 15:34

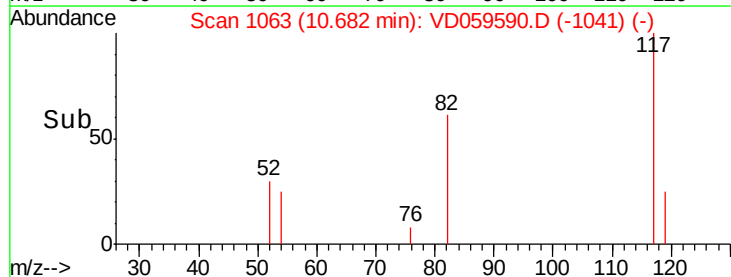
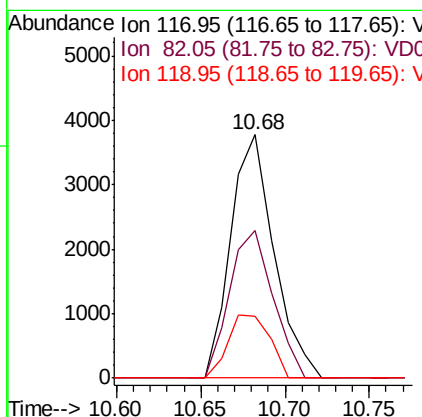
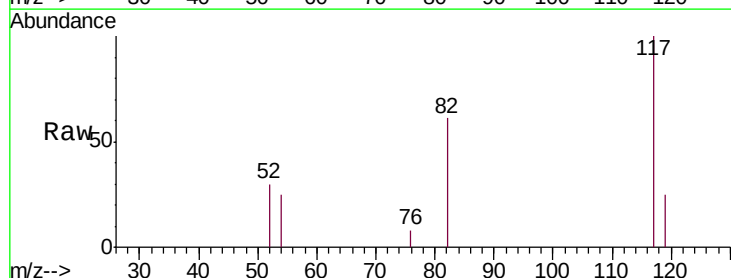
Instrument :
MSVOA_D
ClientSampleId :
KY030LC011-S-180718

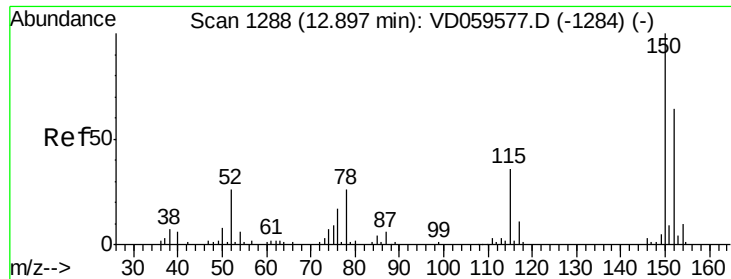
Tot Ion: 95 Resp: 3290
Ion Ratio Lower Upper
95 100
174 79.6 0.0 160.6
176 73.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059590.D
Acq: 25 Jul 2018 15:34

Tgt Ion: 117 Resp: 6724
Ion Ratio Lower Upper
117 100
82 60.7 48.2 72.2
119 25.2 25.4 38.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059590.D

Acq: 25 Jul 2018 15:34

Instrument :

MSVOA_D

ClientSampleId :

KY030LC011-S-180718

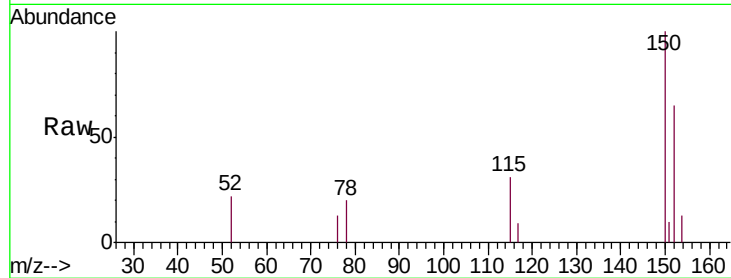
Tot Ion:152 Resp: 3626

Ion Ratio Lower Upper

152 100

115 48.4 29.5 88.6

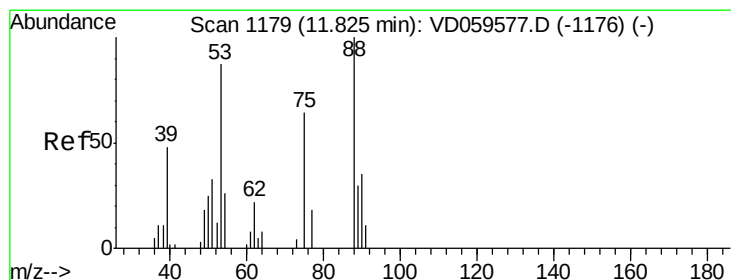
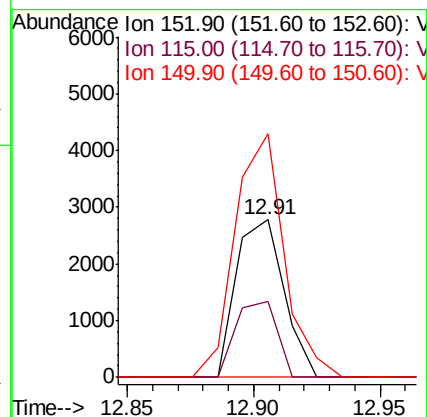
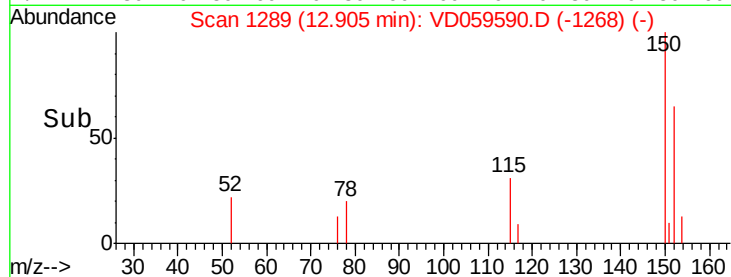
150 154.6 0.0 314.4



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



#81

trans-1,4-Dichloro-2-butene

Concen: 104.23 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.10 min

Lab File: VD059590.D

Acq: 25 Jul 2018 15:34

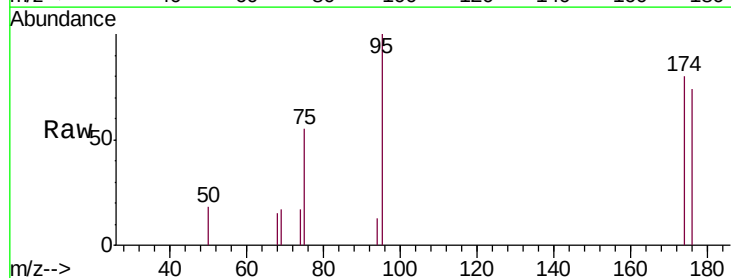
Tgt Ion: 75 Resp: 1598

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

