

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062718\
 Data File : VD059457.D
 Acq On : 27 Jun 2018 21:09
 Operator : VA/AP
 Sample : J3699-01
 Misc : 10.03g/5ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 28 03:00:19 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	5.65	168	491408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	620014	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	417745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	131134	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	236461	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	5.55	113	244536	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
50) Toluene-d8	8.71	98	454457	38.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.98%	
62) 4-Bromofluorobenzene	11.93	95	134727	27.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.86%	

Target Compounds

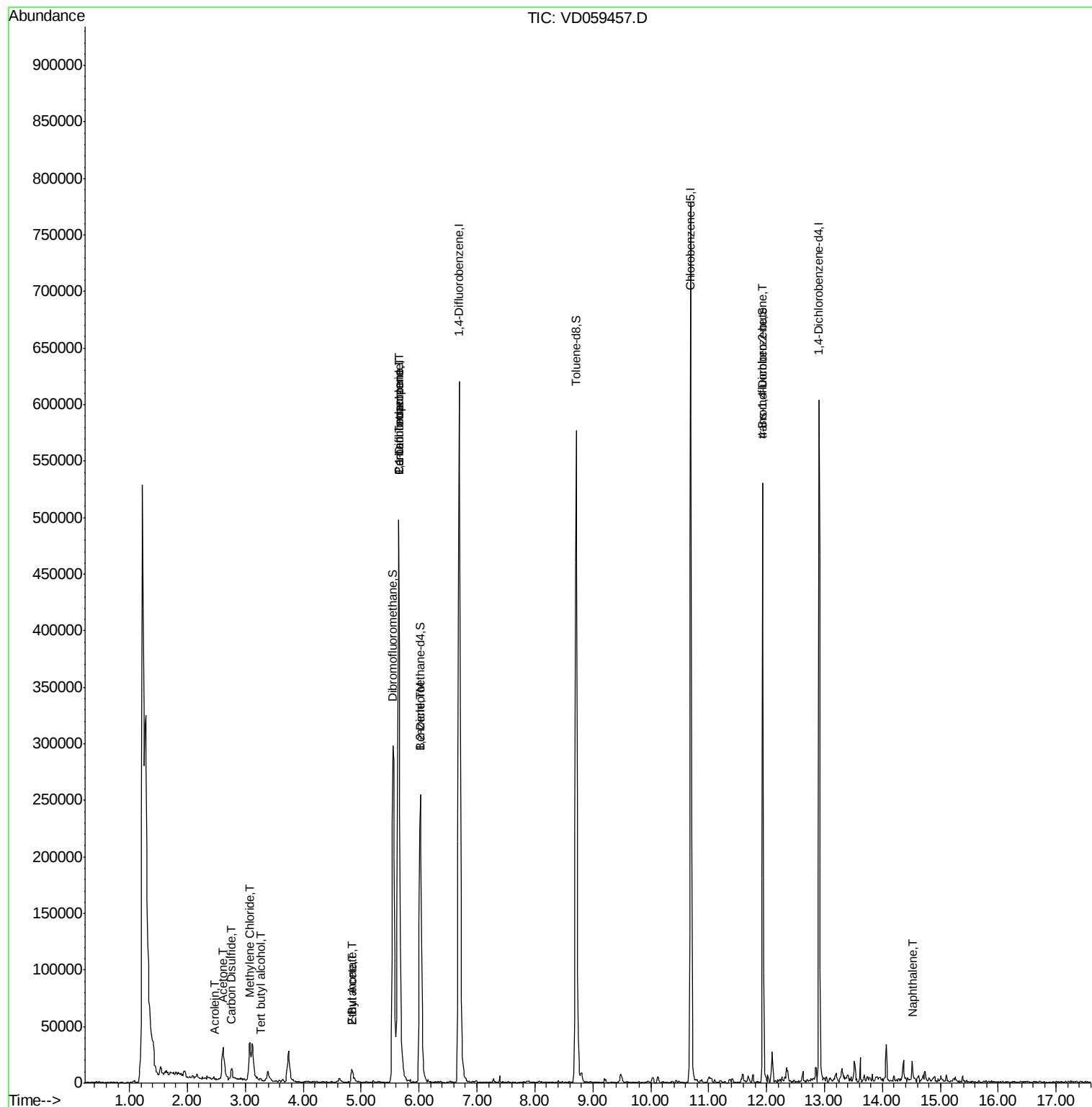
						Qvalue
5) Bromomethane	1.81	94	441	Below Cal	#	4
11) Tert butyl alcohol	3.28	59	209	1.202	ug/l #	72
13) Acrolein	2.48	56	420	2.702	ug/l #	16
16) Acetone	2.62	43	59163	93.281	ug/l #	87
17) Carbon Disulfide	2.76	76	13613	2.745	ug/l	97
18) Methyl Acetate	2.92	43	793	Below Cal	#	66
20) Methylene Chloride	3.07	84	14707	6.174	ug/l	95
25) 2-Butanone	4.83	43	19830	14.925	ug/l #	88
31) Cyclohexane	5.64	56	11877	Below Cal	#	14
36) 1,1-Dichloropropene	5.64	75	39222	6.974	ug/l #	51
37) Ethyl Acetate	4.83	43	19830	5.789	ug/l #	69
38) Carbon Tetrachloride	5.65	117	40230	6.938	ug/l #	15
40) Benzene	6.02	78	29448	2.182	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.93	75	67755	164.805	ug/l #	1
95) Naphthalene	14.52	128	11527	2.754	ug/l #	95

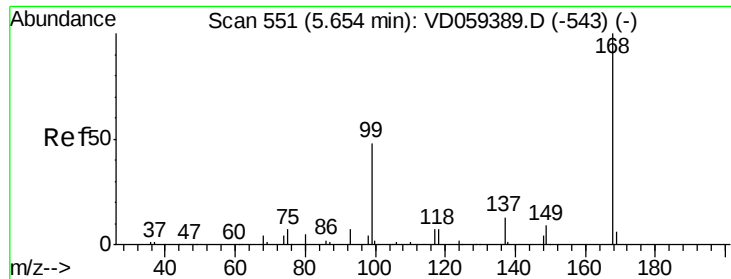
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.00 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :

MSVOA_D

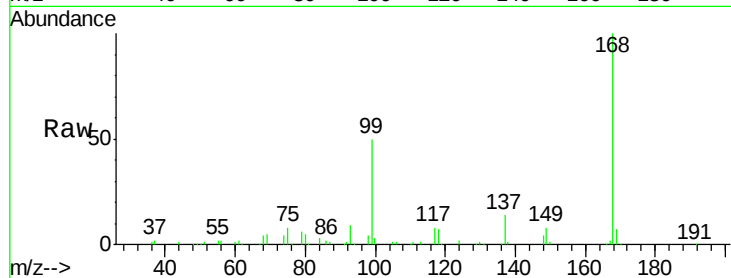
ClientSampleId :

Tot Ion:168 Resp: 491408

Ion Ratio Lower Upper

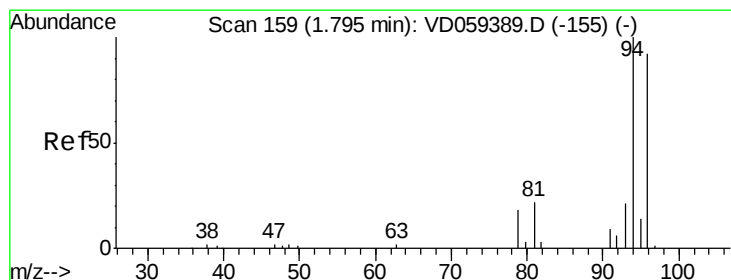
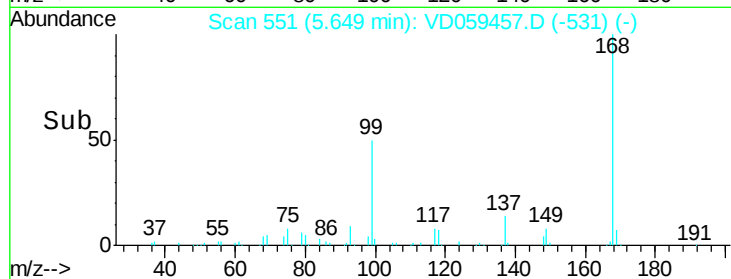
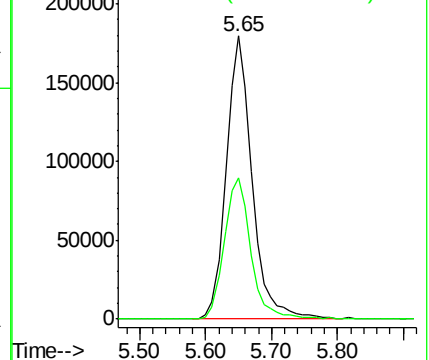
168 100

99 50.0 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: Below Cal

RT: 1.81 min Scan# 161

Delta R.T. 0.02 min

Lab File: VD059457.D

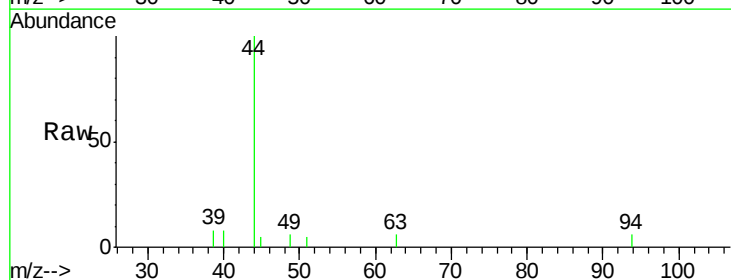
Acq: 27 Jun 2018 21:09

Tgt Ion: 94 Resp: 441

Ion Ratio Lower Upper

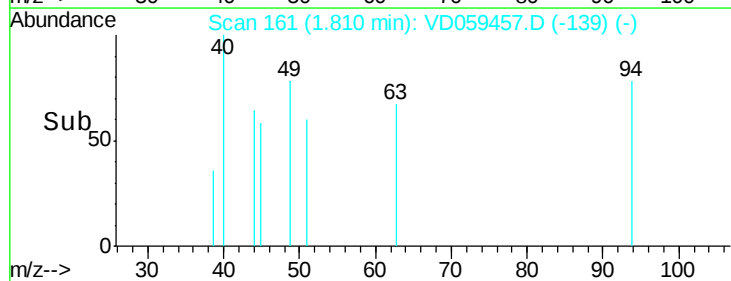
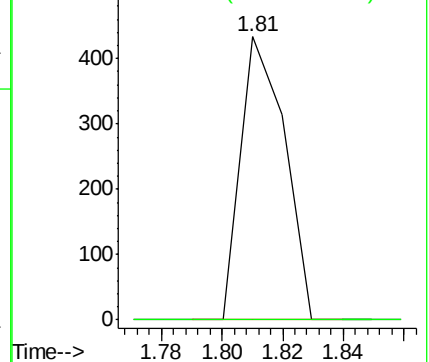
94 100

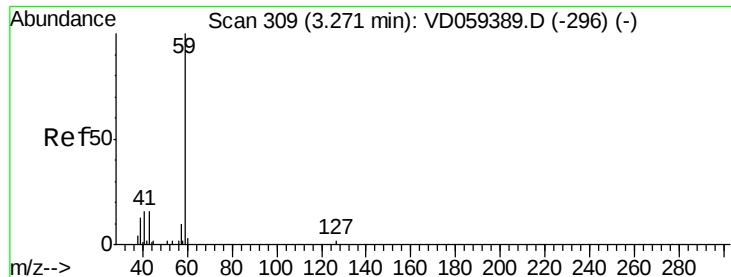
96 0.0 73.4 110.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

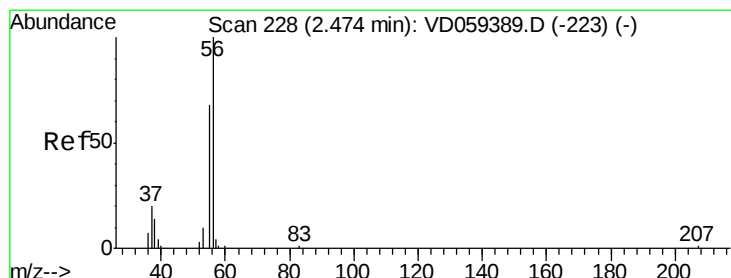
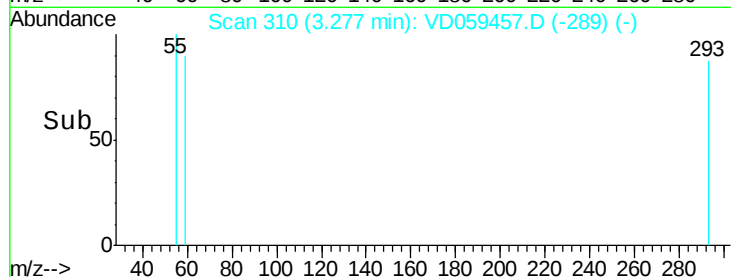
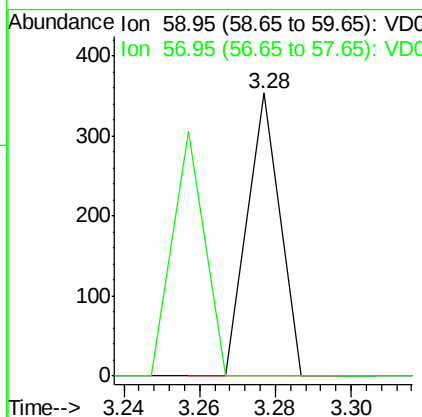
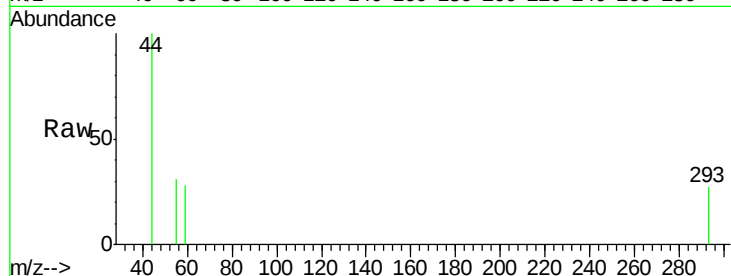




#11
Tert butyl alcohol
Concen: 1.202 ug/l
RT: 3.28 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD059457.D
Acq: 27 Jun 2018 21:09

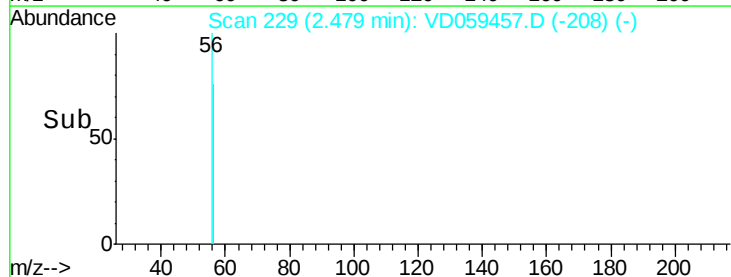
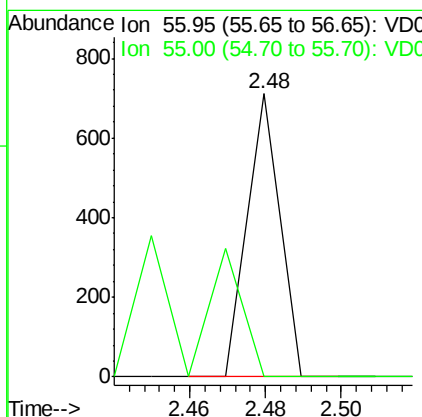
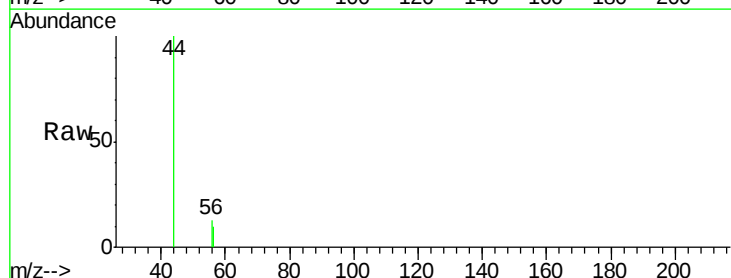
Instrument :
MSVOA_D
ClientSampled :

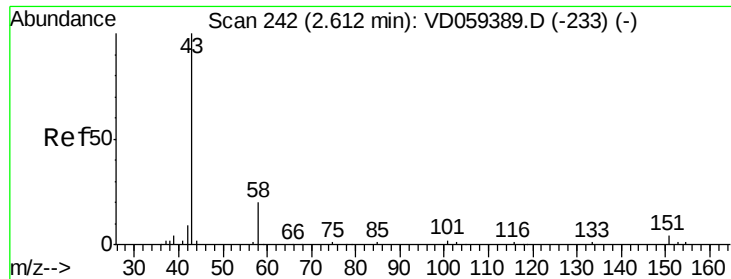
Tot Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 2.702 ug/l
RT: 2.48 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD059457.D
Acq: 27 Jun 2018 21:09

Tgt Ion: 56 Resp: 420
Ion Ratio Lower Upper
56 100
55 0.0 54.6 82.0#





#16

Acetone

Concen: 93.281 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :

MSVOA_D

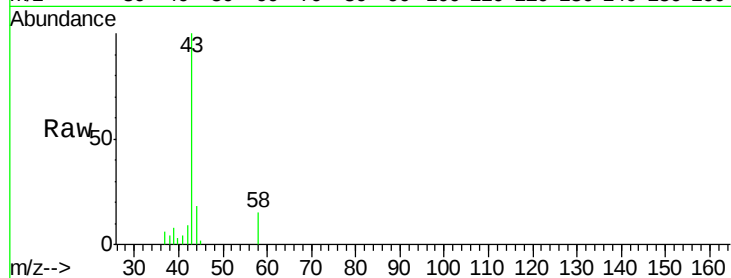
ClientSampleId :

Tot Ion: 43 Resp: 59163

Ion Ratio Lower Upper

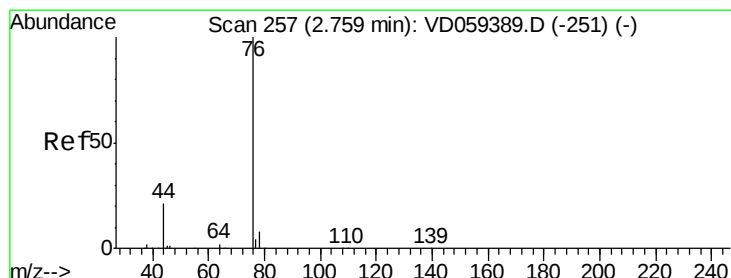
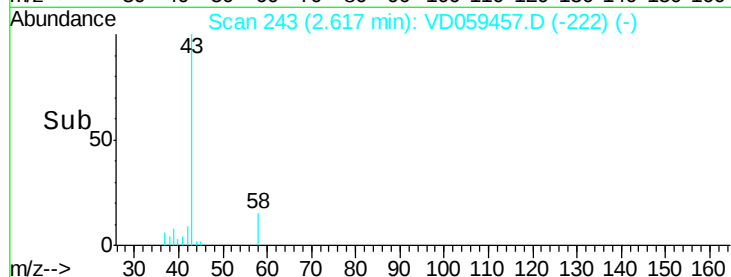
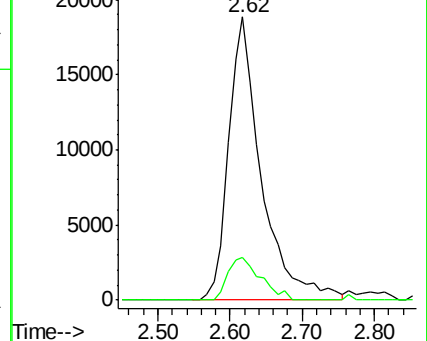
43 100

58 15.1 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 2.745 ug/l

RT: 2.76 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059457.D

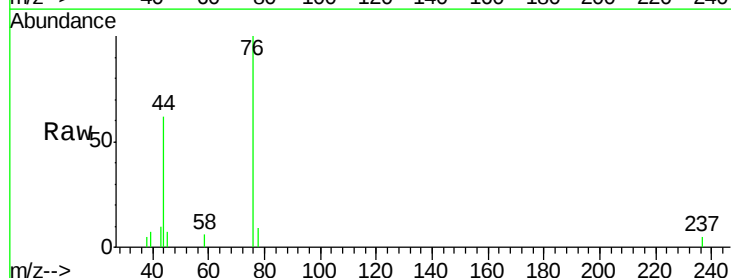
Acq: 27 Jun 2018 21:09

Tgt Ion: 76 Resp: 13613

Ion Ratio Lower Upper

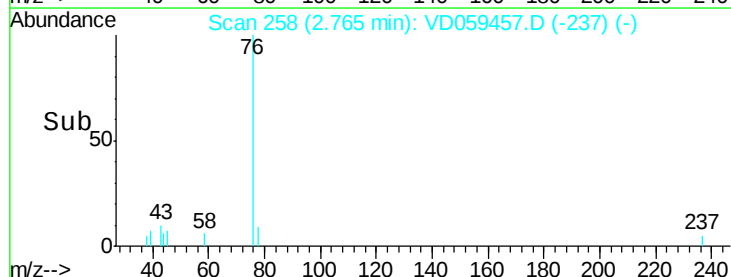
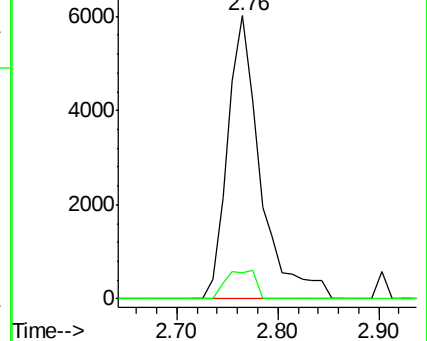
76 100

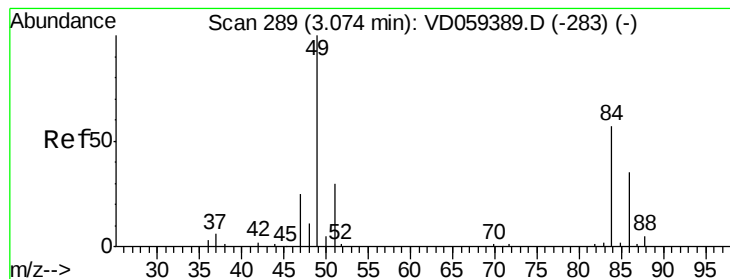
78 9.1 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#20

Methvlene Chloride

Concen: 6.174 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.00 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 14707

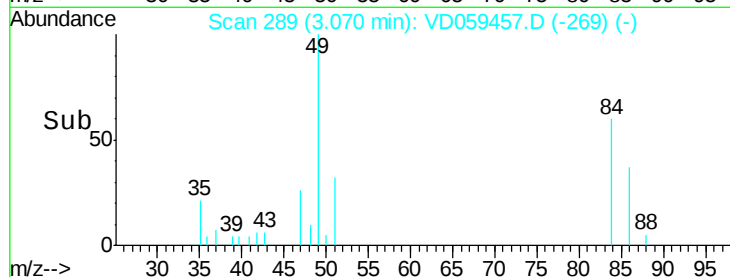
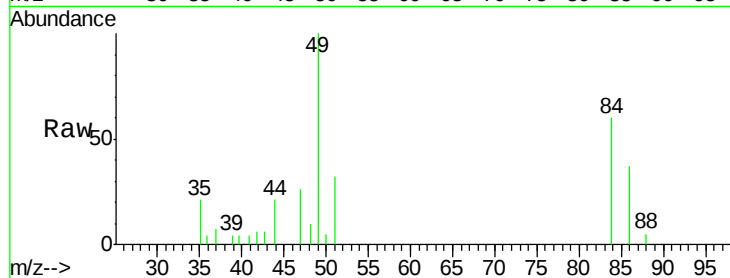
Ion Ratio Lower Upper

84 100

49 165.7 140.3 210.5

51 53.4 41.6 62.4

86 62.0 49.4 74.2

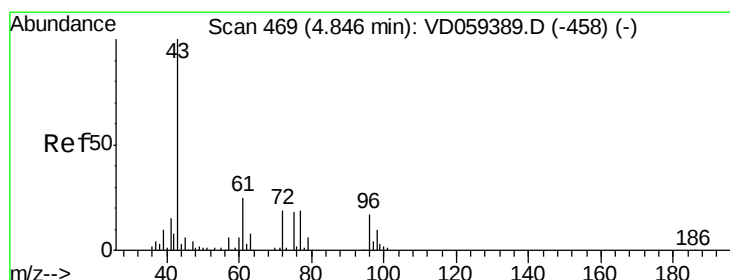
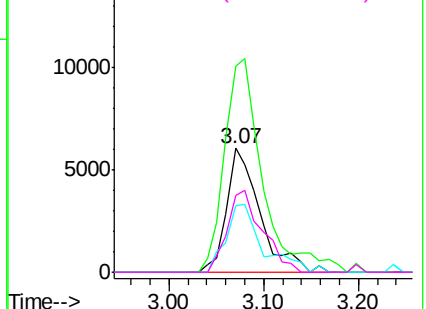


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 14.925 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059457.D

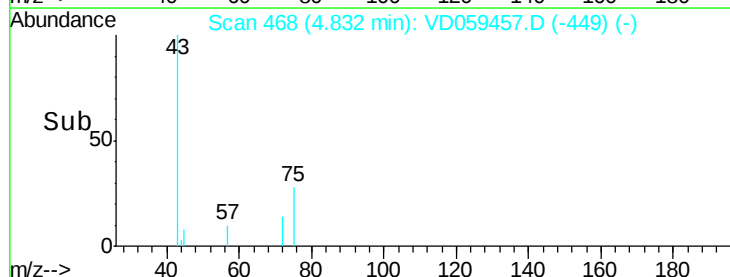
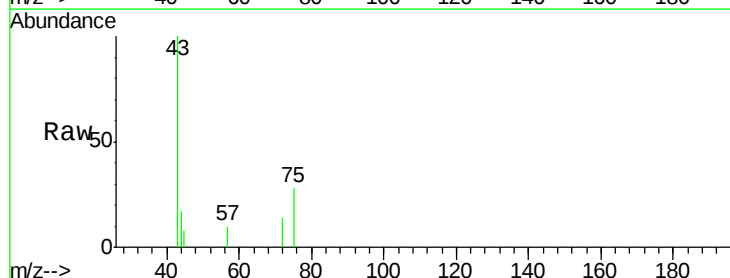
Acq: 27 Jun 2018 21:09

Tgt Ion: 43 Resp: 19830

Ion Ratio Lower Upper

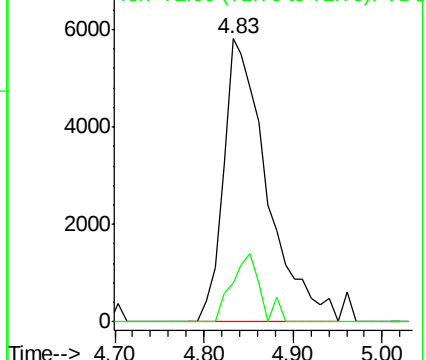
43 100

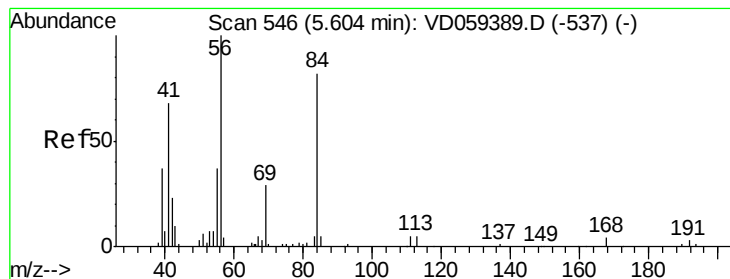
72 13.9 15.4 23.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: Below Cal

RT: 5.64 min Scan# 550

Delta R.T. 0.04 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :

MSVOA_D

ClientSampleId :

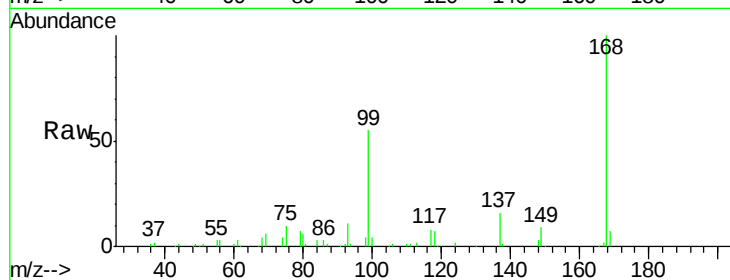
Tot Ion: 56 Resp: 11877

Ion Ratio Lower Upper

56 100

69 192.3 22.9 34.3#

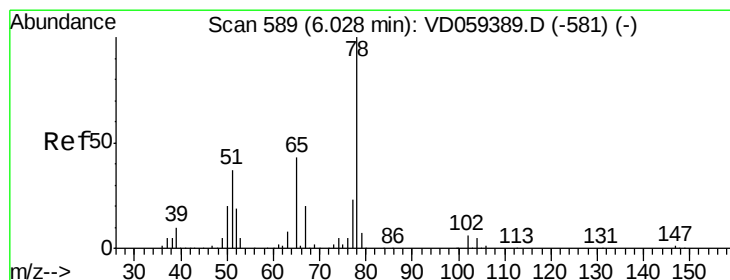
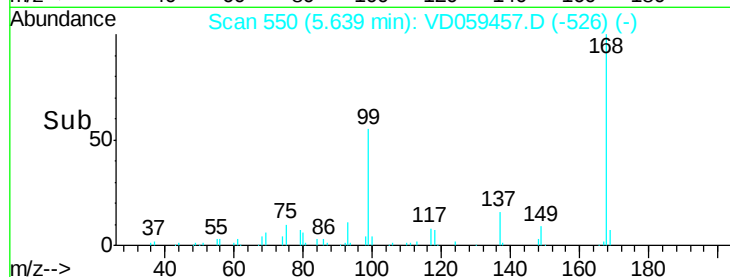
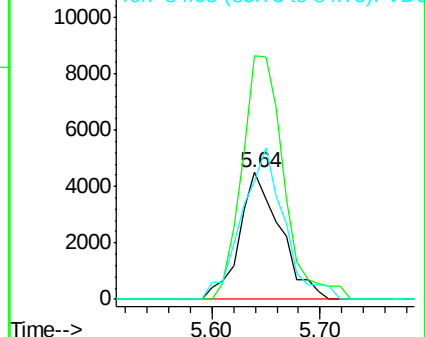
84 93.8 67.3 100.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD059457.D

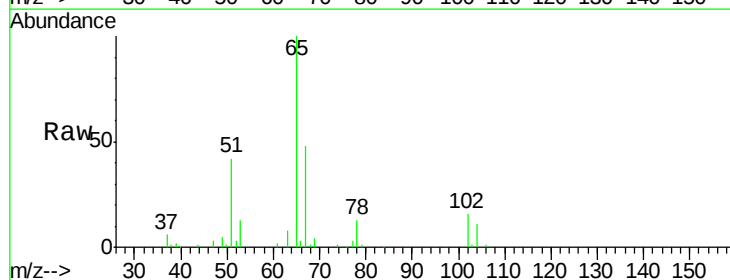
Acq: 27 Jun 2018 21:09

Tgt Ion: 65 Resp: 236461

Ion Ratio Lower Upper

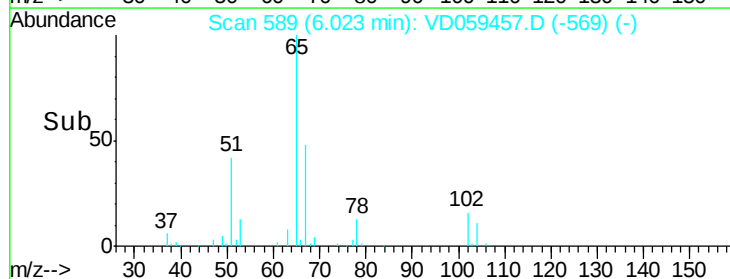
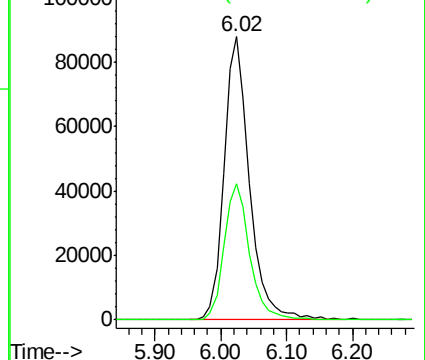
65 100

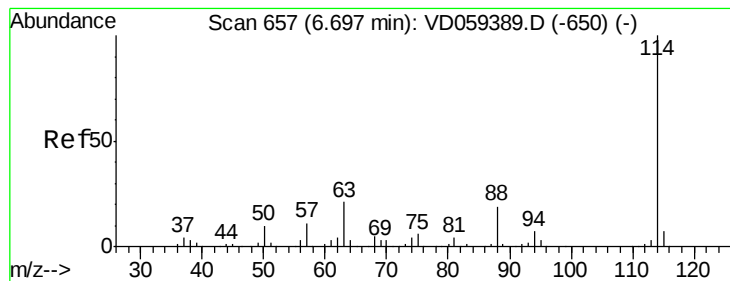
67 48.1 0.0 93.8



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: 6.69 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :

MSVOA_D

ClientSampleId :

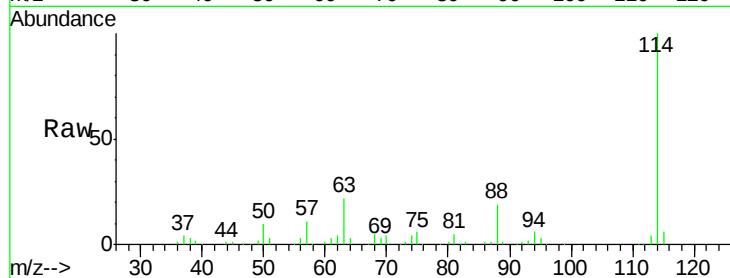
Tot Ion:114 Resp: 620014

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.4

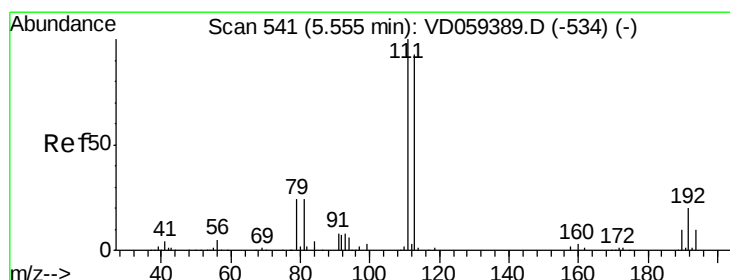
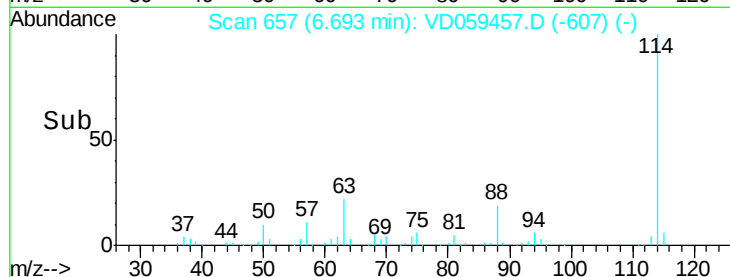
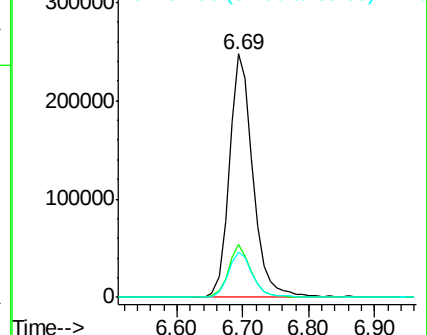
88 18.8 0.0 38.0



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: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

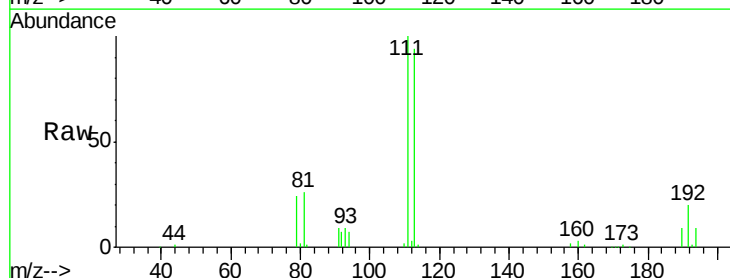
Tgt Ion:113 Resp: 244536

Ion Ratio Lower Upper

113 100

111 106.0 85.7 128.5

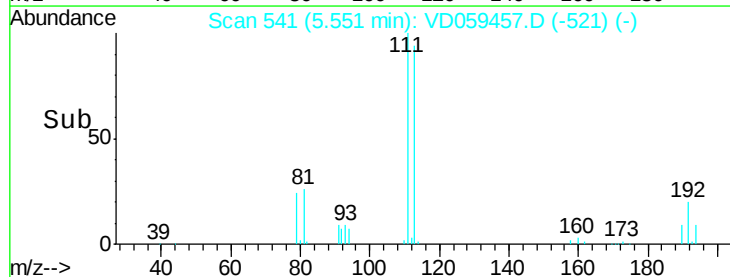
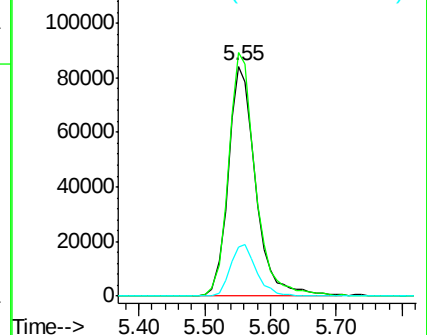
192 21.2 16.9 25.3

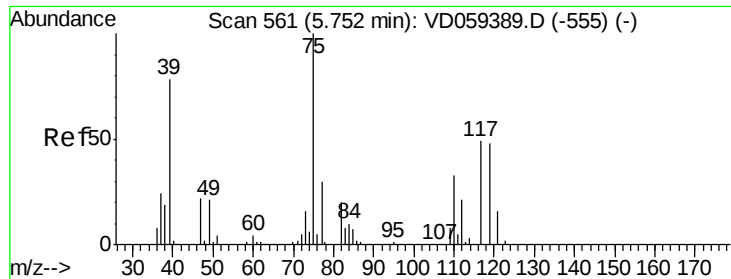


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

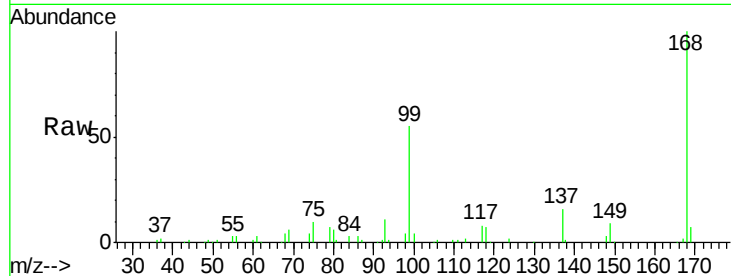




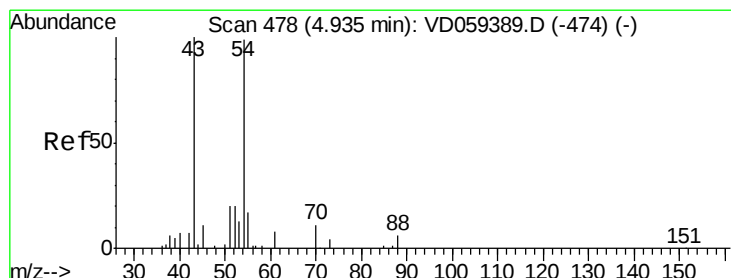
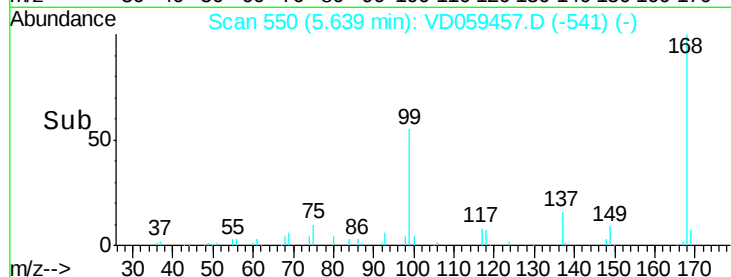
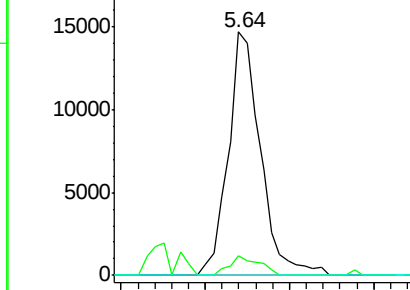
#36
 1,1-Dichloropropene
 Concen: 6.974 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.11 min
 Lab File: VD059457.D
 Acq: 27 Jun 2018 21:09

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.1	48.2#
77	0.0	23.4	35.2#

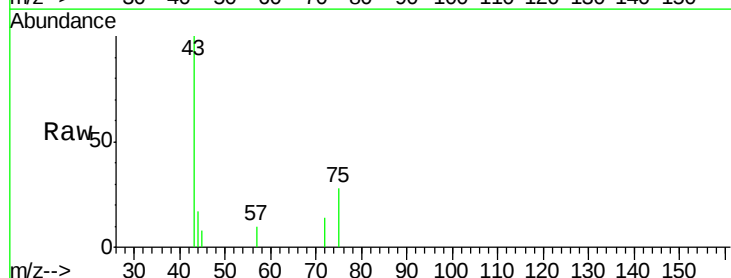


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.95 (76.65 to 77.65): VDC

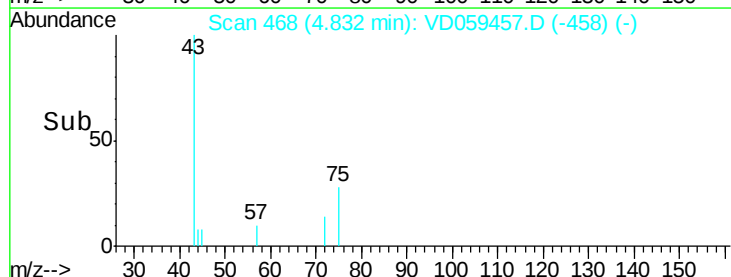
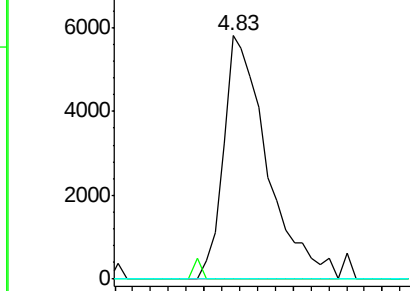


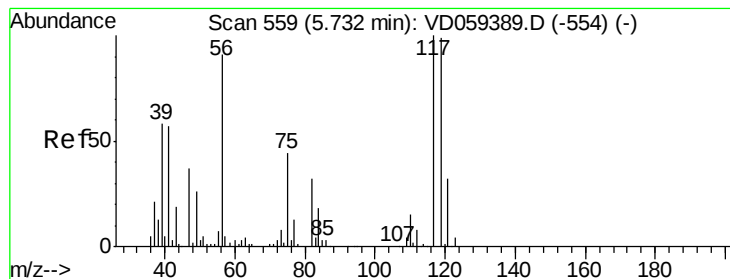
#37
 Ethyl Acetate
 Concen: 5.789 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. -0.10 min
 Lab File: VD059457.D
 Acq: 27 Jun 2018 21:09

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	6.1	9.1#



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





#38

Carbon Tetrachloride

Concen: 6.938 ug/l

RT: 5.65 min Scan# 551

Delta R.T. -0.08 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :
MSVOA_D
ClientSampleId :

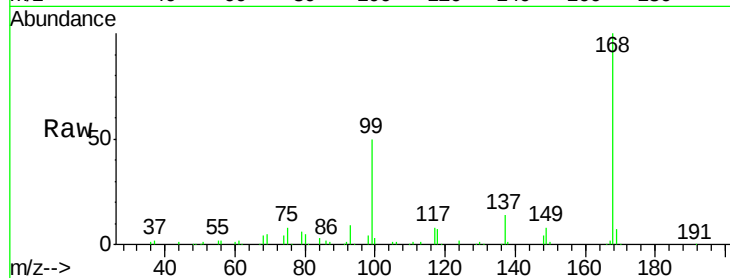
Tot Ion:117 Resp: 40230

Ion Ratio Lower Upper

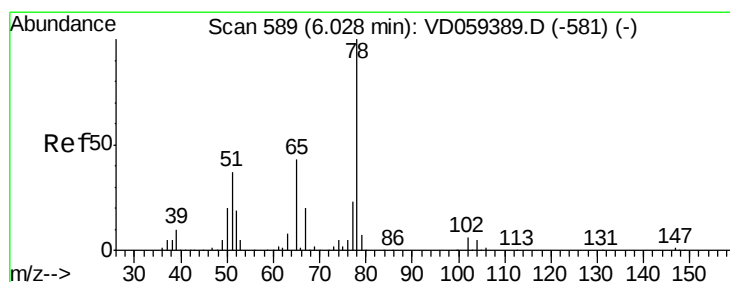
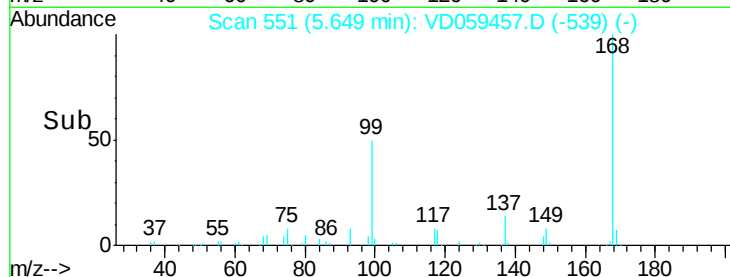
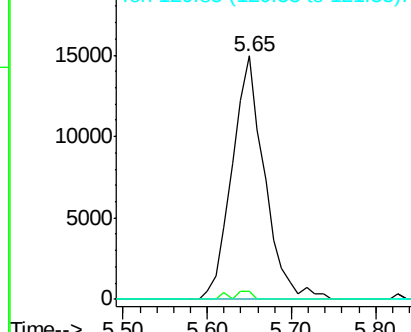
117 100

119 3.2 76.6 115.0#

121 0.0 25.0 37.4#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



#40

Benzene

Concen: 2.182 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD059457.D

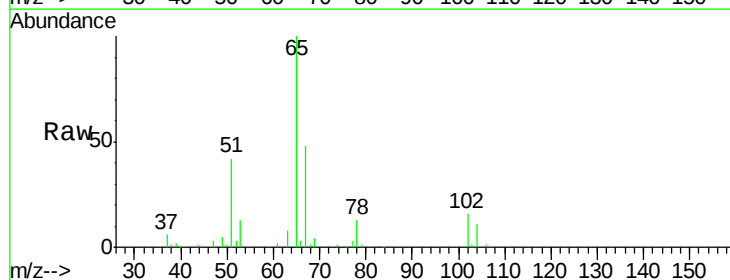
Acq: 27 Jun 2018 21:09

Tgt Ion: 78 Resp: 29448

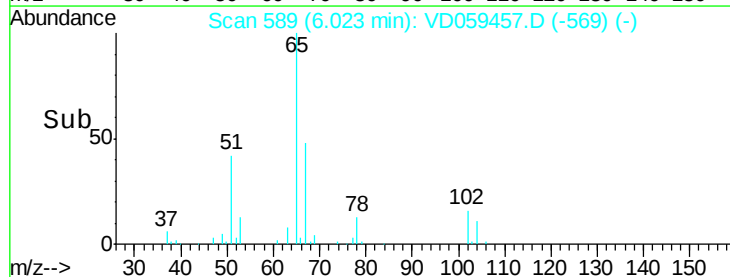
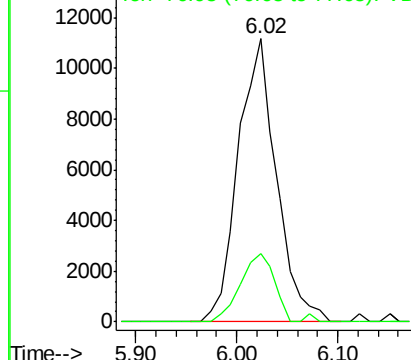
Ion Ratio Lower Upper

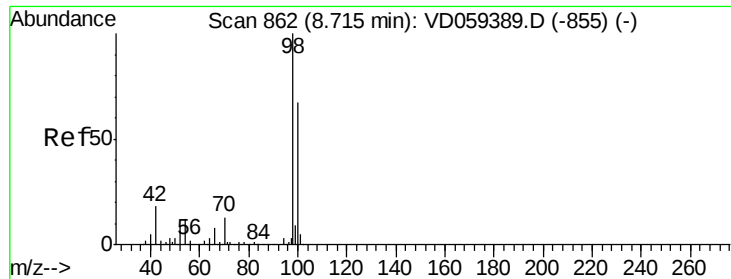
78 100

77 24.2 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): V
Ion 76.95 (76.65 to 77.65): V

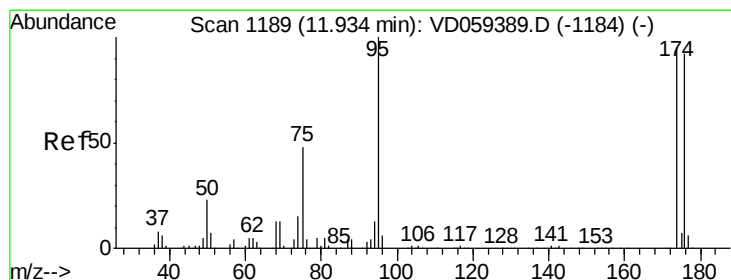
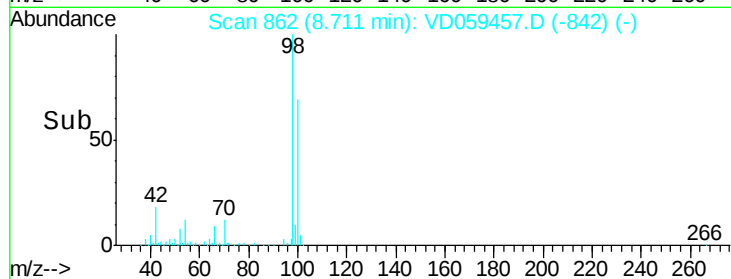
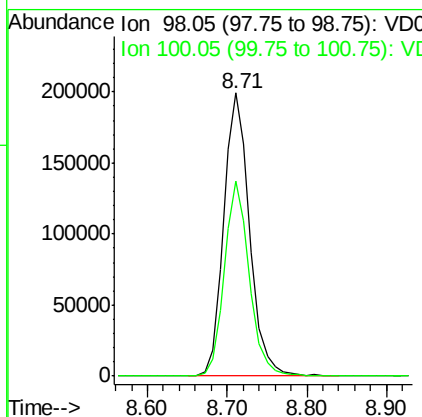
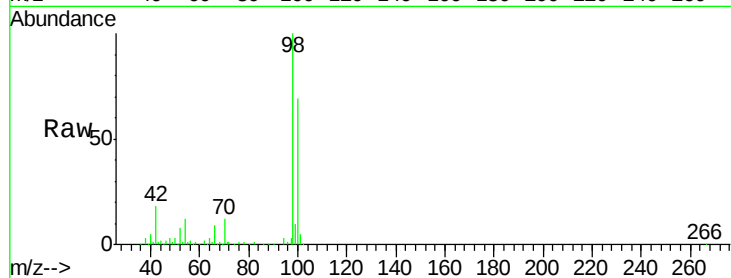




#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. -0.00 min
Lab File: VD059457.D
Acq: 27 Jun 2018 21:09

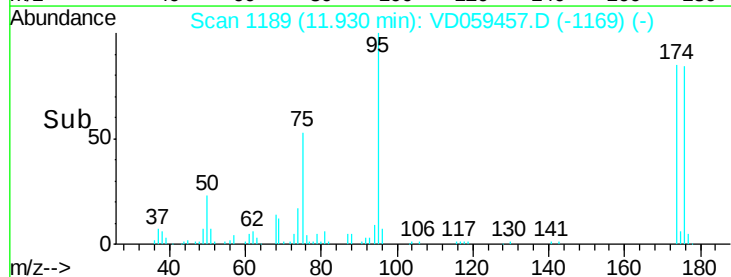
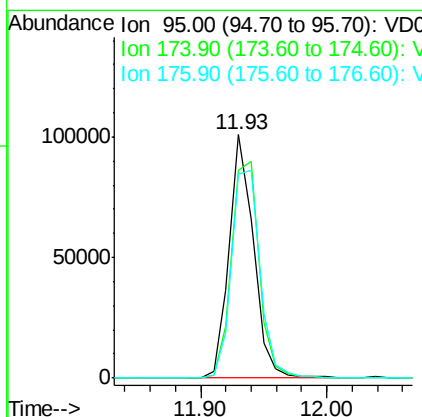
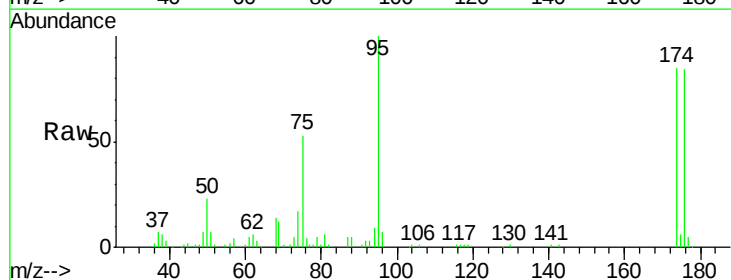
Instrument :
MSVOA_D
ClientSampleId :

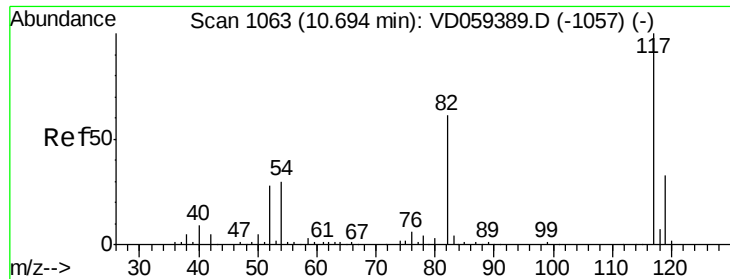
Tot Ion: 98 Resp: 454457
Ion Ratio Lower Upper
98 100
100 68.7 54.4 81.6



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059457.D
Acq: 27 Jun 2018 21:09

Tgt Ion: 95 Resp: 134727
Ion Ratio Lower Upper
95 100
174 85.5 0.0 190.4
176 83.8 0.0 183.2

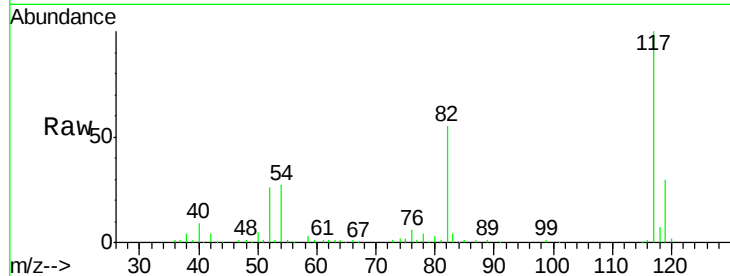




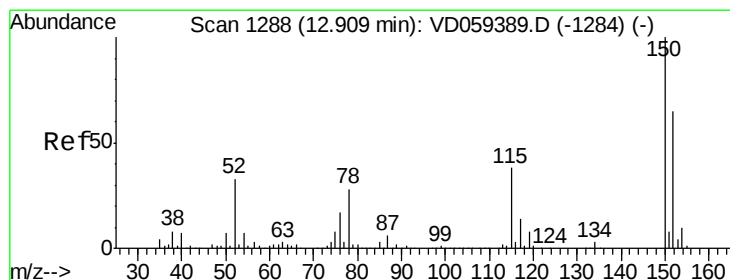
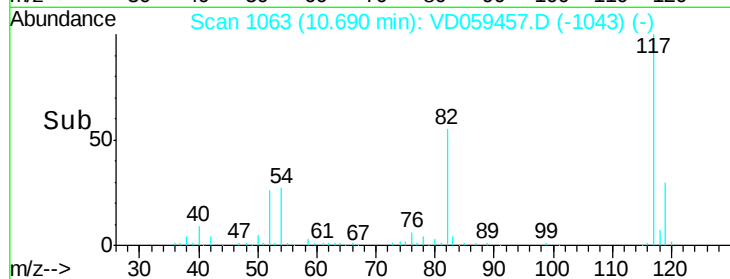
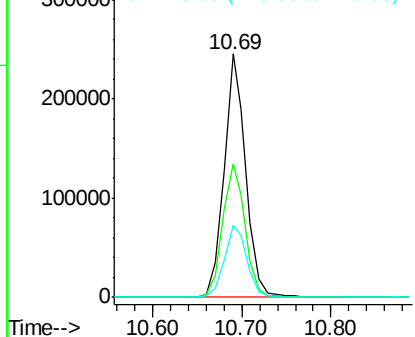
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059457.D
Acq: 27 Jun 2018 21:09

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 417745
Ion Ratio Lower Upper
117 100
82 55.0 49.0 73.6
119 29.8 26.2 39.4

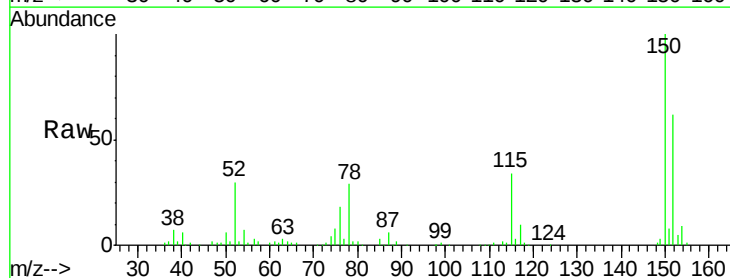


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

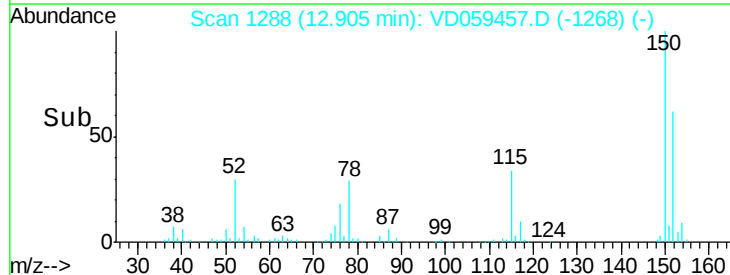
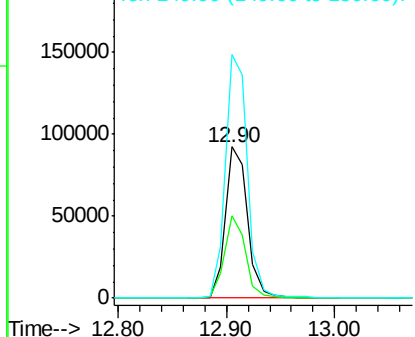


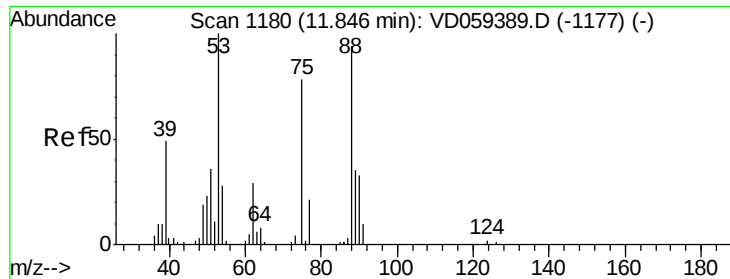
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD059457.D
Acq: 27 Jun 2018 21:09

Tgt Ion:152 Resp: 131134
Ion Ratio Lower Upper
152 100
115 54.5 29.4 88.3
150 161.1 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





#81

trans-1,4-Dichloro-2-butene

Concen: 164.805 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.08 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

Instrument :

MSVOA_D

ClientSampleId :

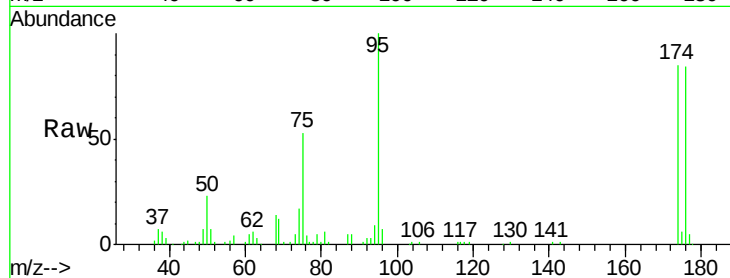
Tot Ion: 75 Resp: 67755

Ion Ratio Lower Upper

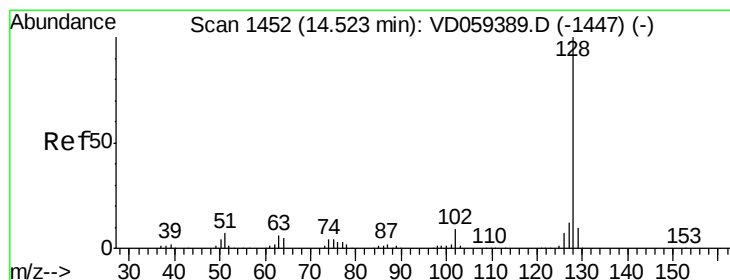
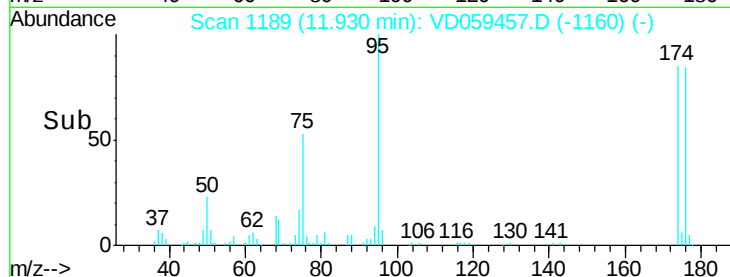
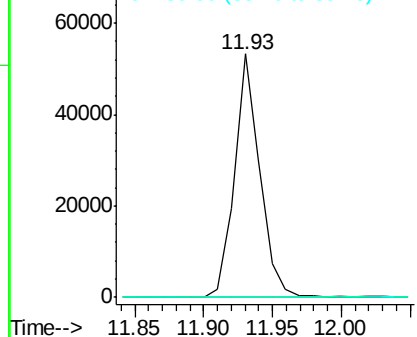
75 100

53 0.0 102.6 154.0#

89 0.0 35.9 53.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#95

Naphthalene

Concen: 2.754 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VD059457.D

Acq: 27 Jun 2018 21:09

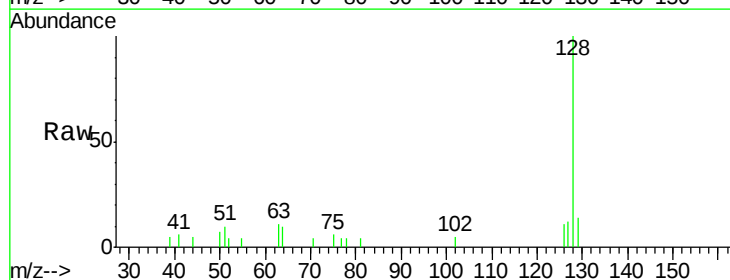
Tgt Ion:128 Resp: 11527

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

129 14.1 8.2 12.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

