

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073118\
 Data File : VD059662.D
 Acq On : 31 Jul 2018 19:17
 Operator : VA/AP
 Sample : J4228-03
 Misc : 5.01µl/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 01 06:43:04 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

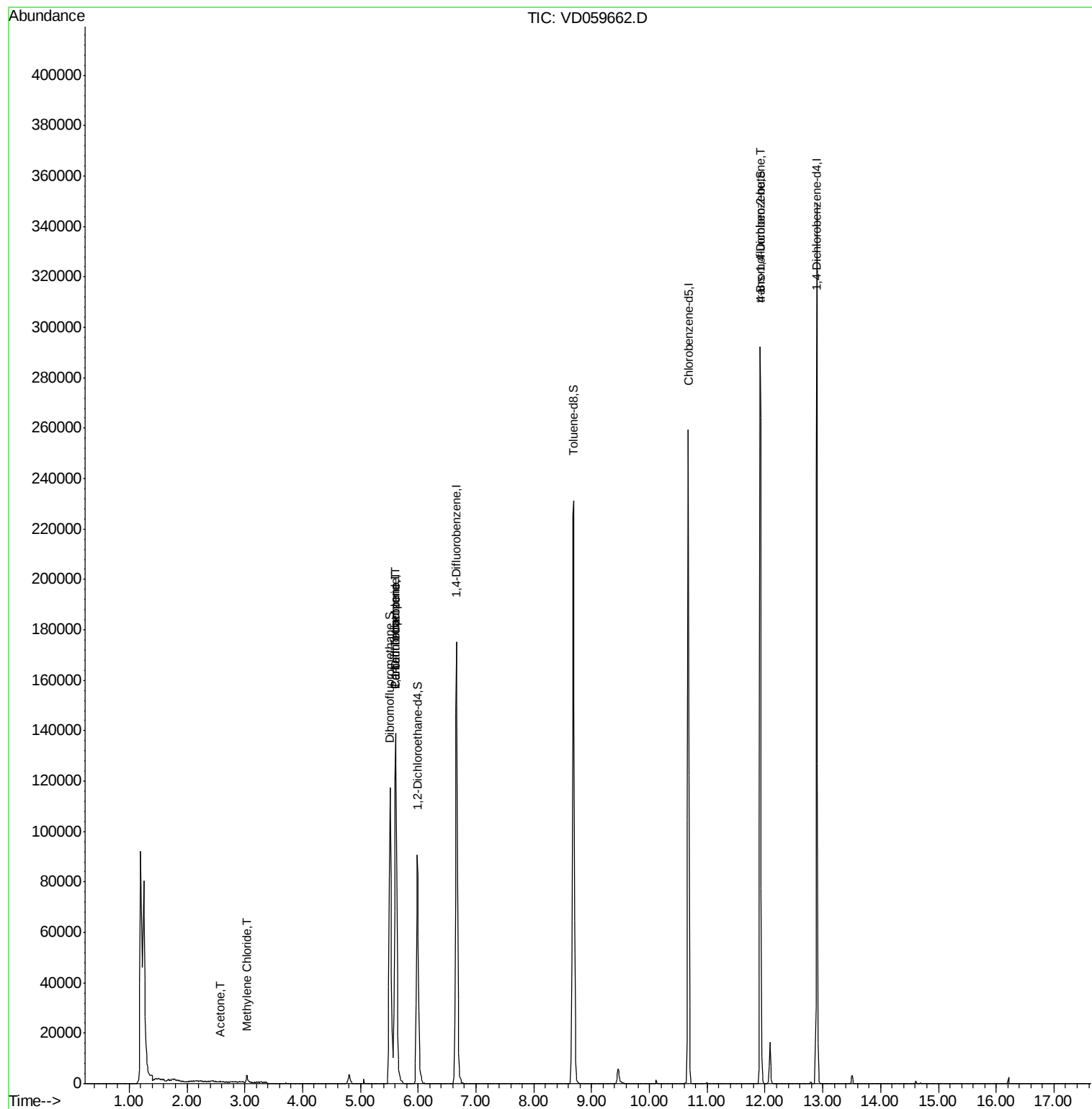
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	128985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	167402	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	132864	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	69055	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	103843	64.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.08%	
35) Dibromofluoromethane	5.51	113	92518	64.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.86%	
50) Toluene-d8	8.69	98	184116	56.52	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.04%	
62) 4-Bromofluorobenzene	11.91	95	83471	56.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.78%	
Target Compounds						
					Qvalue	
16) Acetone	2.58	43	419	1.711	ug/l #	61
20) Methylene Chloride	3.04	84	1239	1.774	ug/l #	78
31) Cyclohexane	5.61	56	3006	Below Cal	#	5
36) 1,1-Dichloropropene	5.61	75	11594	6.902	ug/l #	54
38) Carbon Tetrachloride	5.61	117	12856	5.589	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.91	75	46453	159.104	ug/l #	1

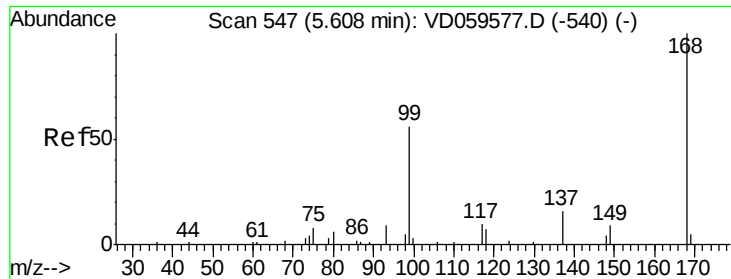
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 06:43:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.00 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

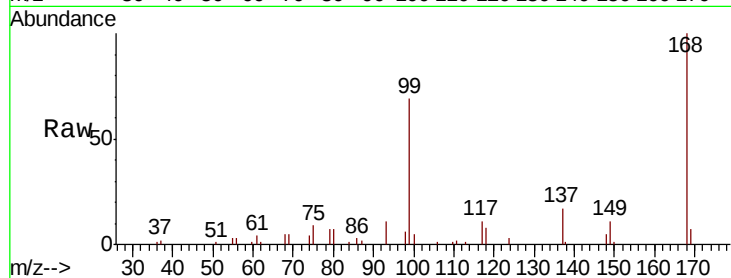
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 128985

Ion Ratio Lower Upper

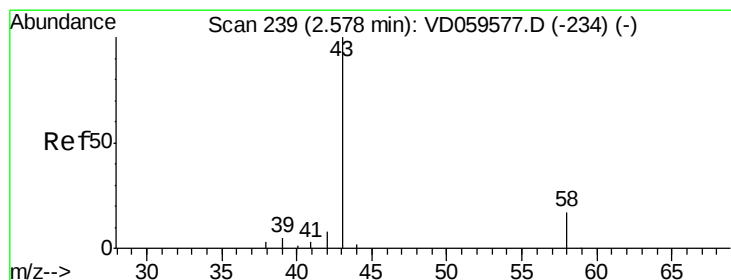
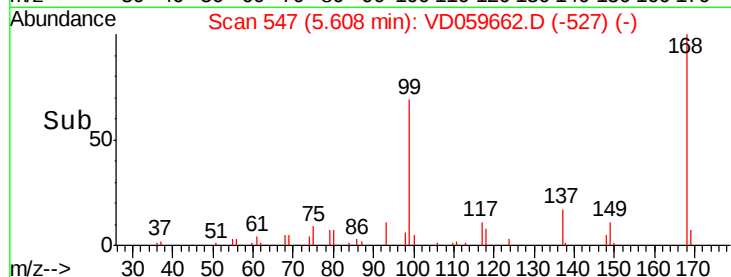
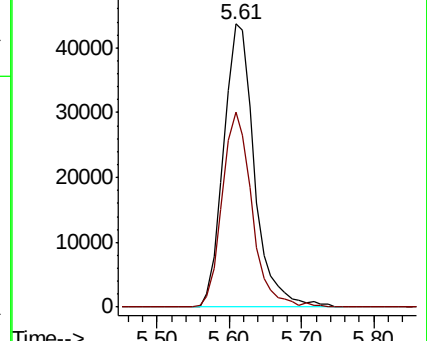
168 100

99 69.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 1.711 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.00 min

Lab File: VD059662.D

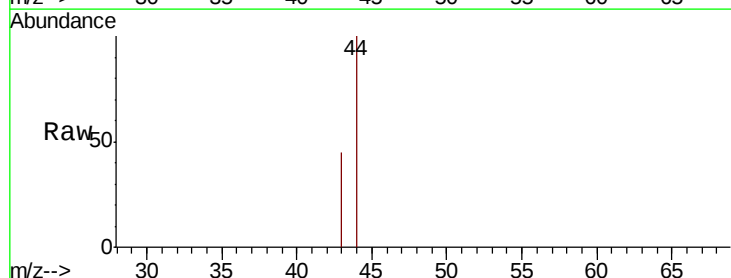
Acq: 31 Jul 2018 19:17

Tgt Ion: 43 Resp: 419

Ion Ratio Lower Upper

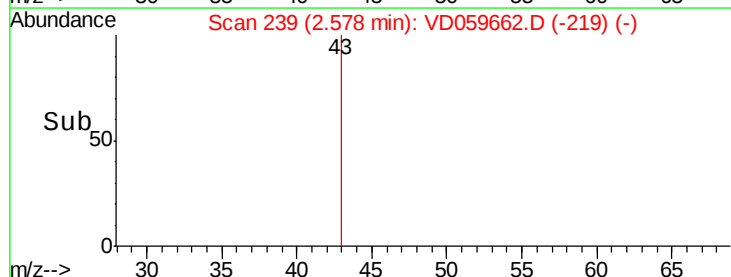
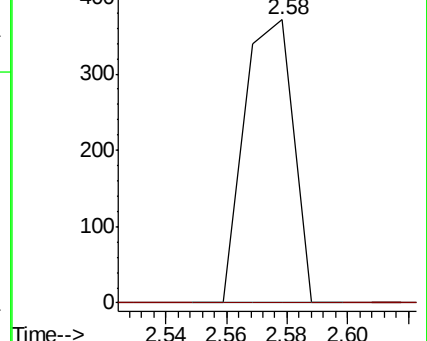
43 100

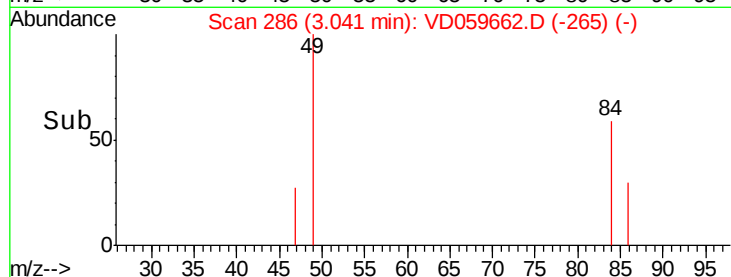
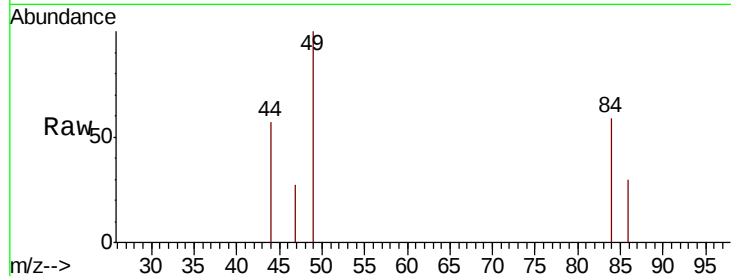
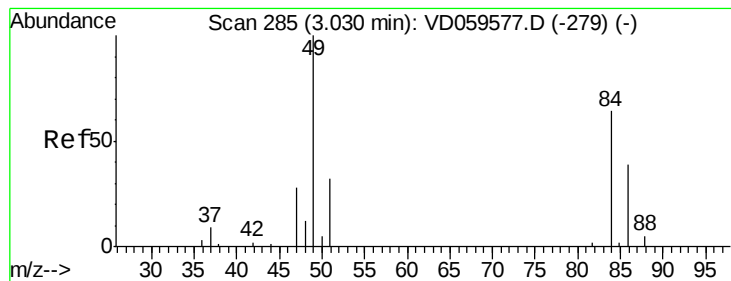
58 0.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 1.774 ua/l

RT: 3.04 min Scan# 286

Delta R.T. 0.01 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 1239

Ion Ratio Lower Upper

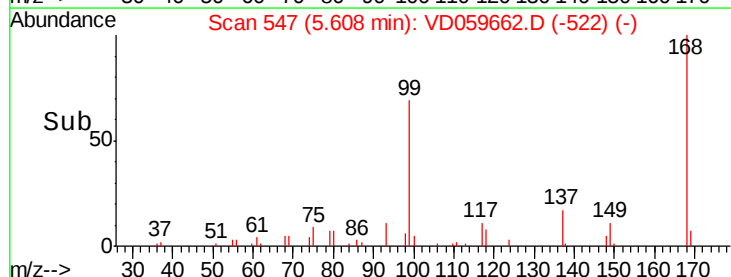
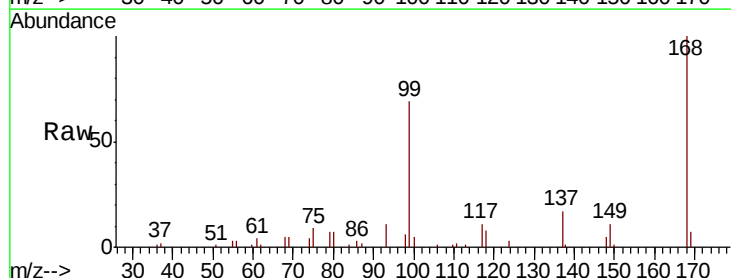
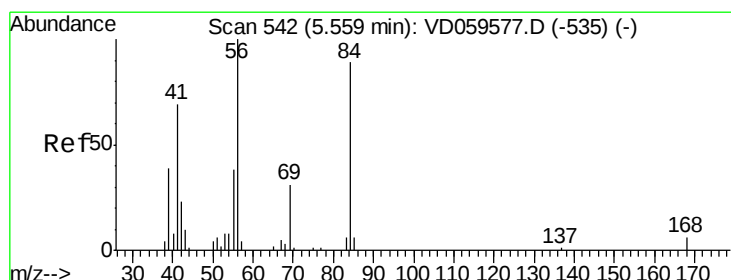
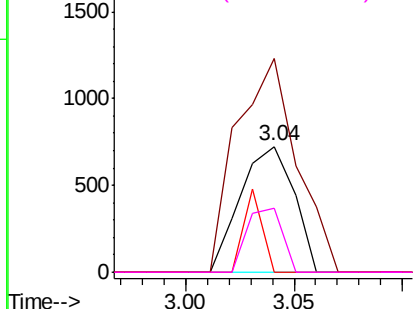
84 100

49 169.9 125.4 188.2

51 0.0 39.7 59.5#

86 51.1 49.1 73.7

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



#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 547

Delta R.T. 0.05 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

Tgt Ion: 56 Resp: 3006

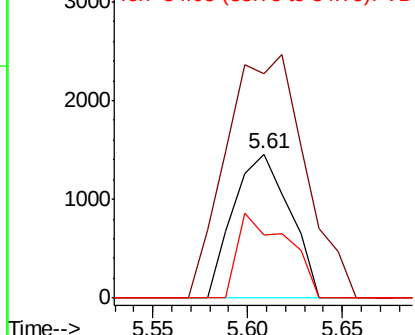
Ion Ratio Lower Upper

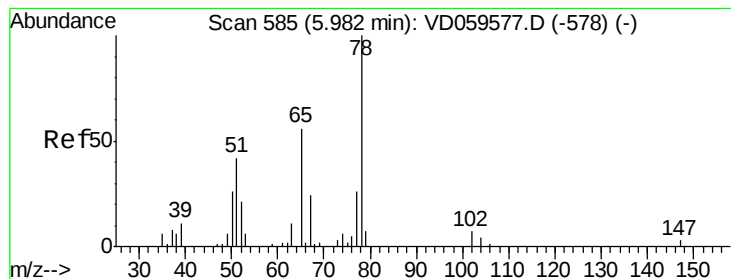
56 100

69 156.3 24.6 37.0#

84 44.1 72.7 109.1#

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: 5.98 min Scan# 585

Delta R.T. 0.00 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

Instrument :

MSVOA_D

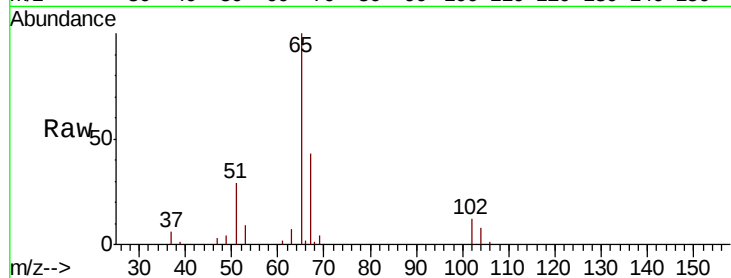
ClientSampleId :

Tot Ion: 65 Resp: 103843

Ion Ratio Lower Upper

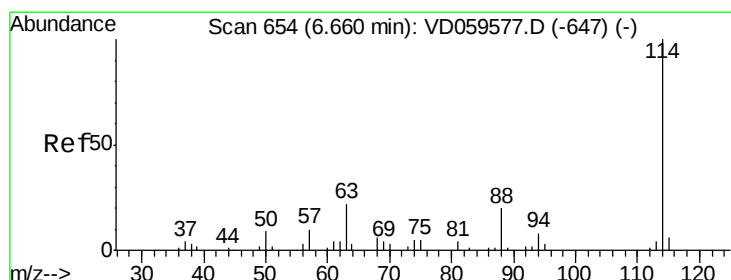
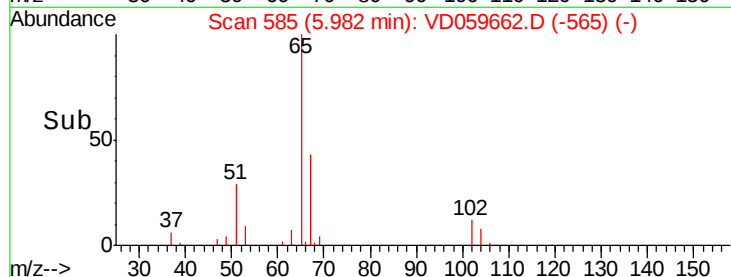
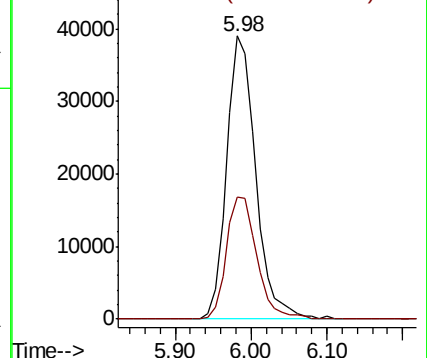
65 100

67 43.3 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: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. 0.00 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

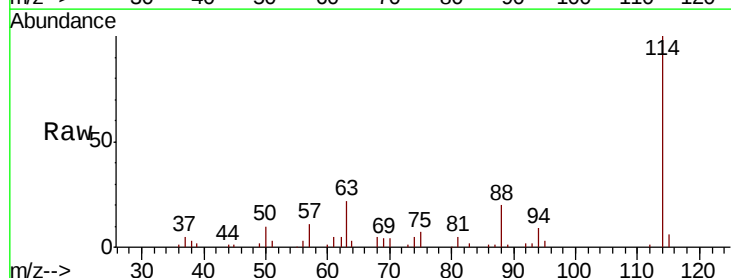
Tgt Ion: 114 Resp: 167402

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.8

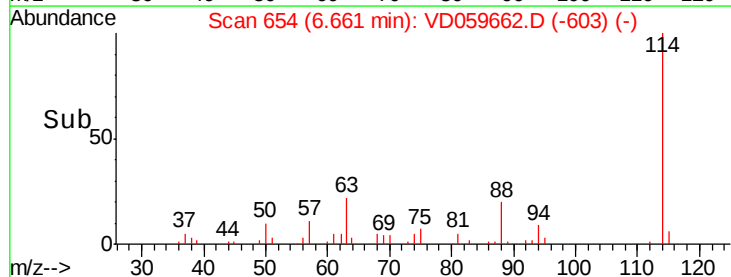
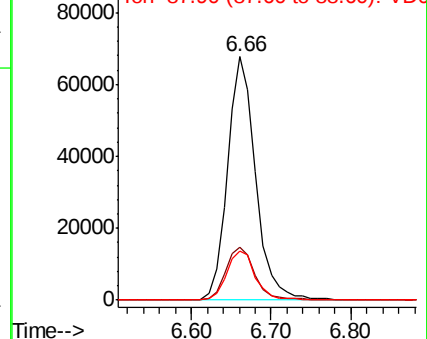
88 20.3 0.0 39.0

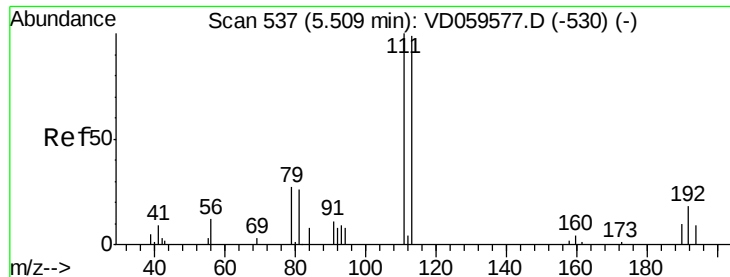


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

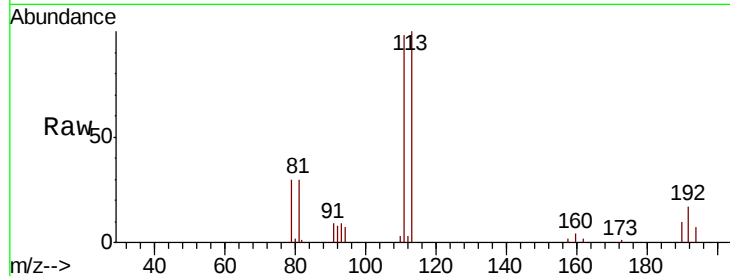




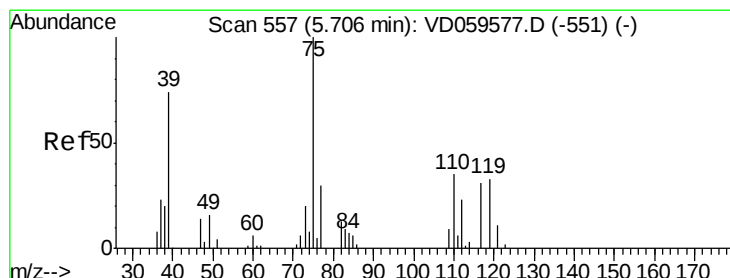
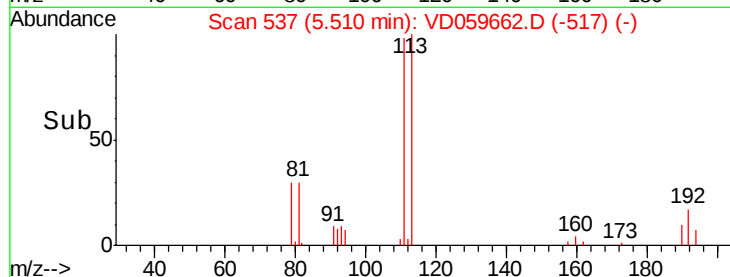
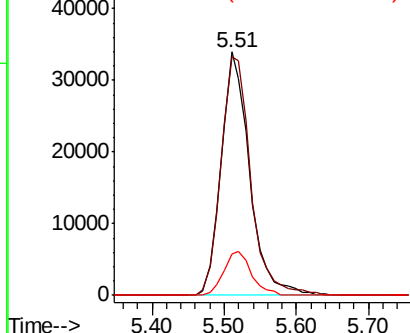
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059662.D
 Acq: 31 Jul 2018 19:17

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 92518
 Ion Ratio Lower Upper
 113 100
 111 97.9 80.5 120.7
 192 17.2 14.5 21.7

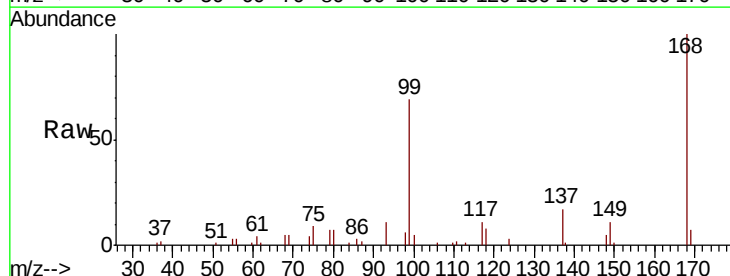


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

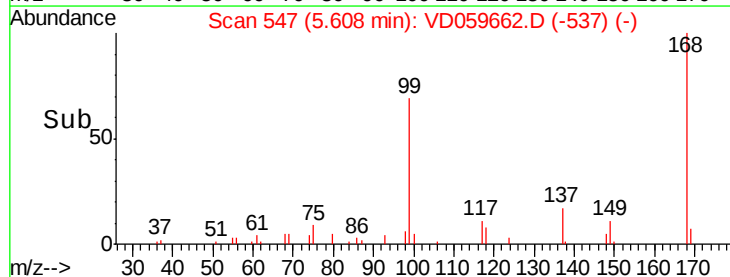
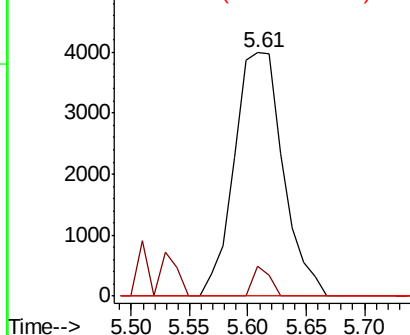


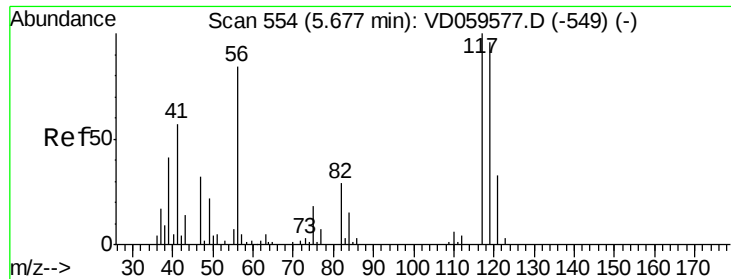
#36
 1,1-Dichloropropene
 Concen: 6.902 ug/l
 RT: 5.61 min Scan# 547
 Delta R.T. -0.10 min
 Lab File: VD059662.D
 Acq: 31 Jul 2018 19:17

Tgt Ion: 75 Resp: 11594
 Ion Ratio Lower Upper
 75 100
 110 12.3 17.0 50.9#
 77 0.0 23.6 35.4#



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

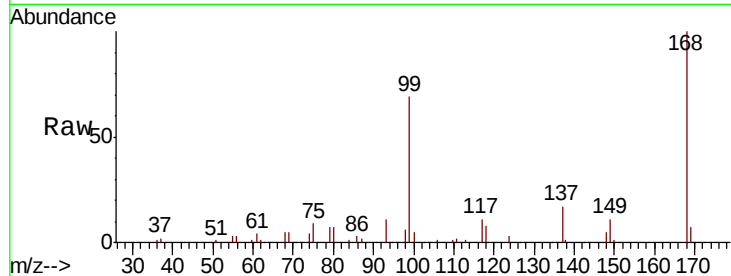




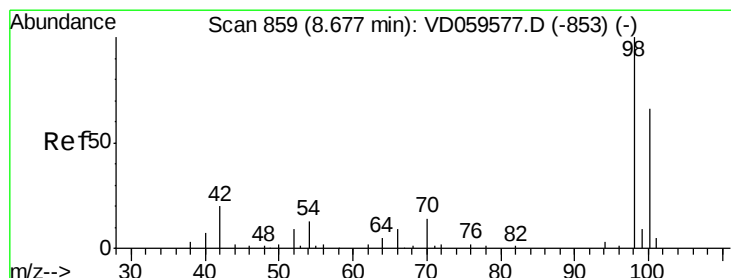
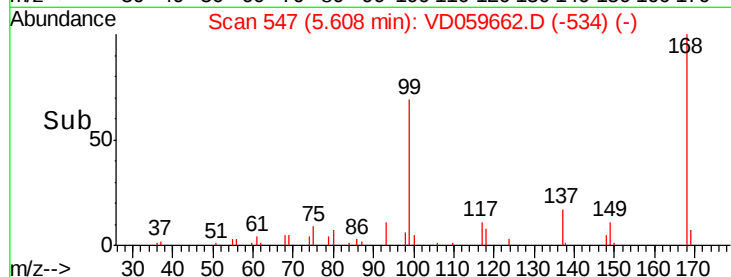
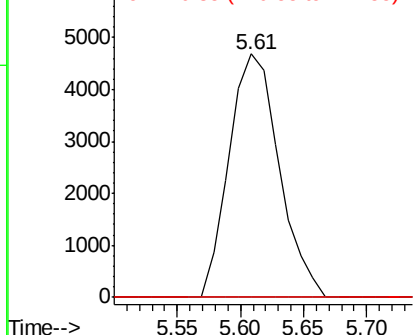
#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.07 min
Lab File: VD059662.D
Acq: 31 Jul 2018 19:17

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 12856
Ion Ratio Lower Upper
117 100
119 0.0 73.6 110.4#
121 0.0 25.0 37.6#

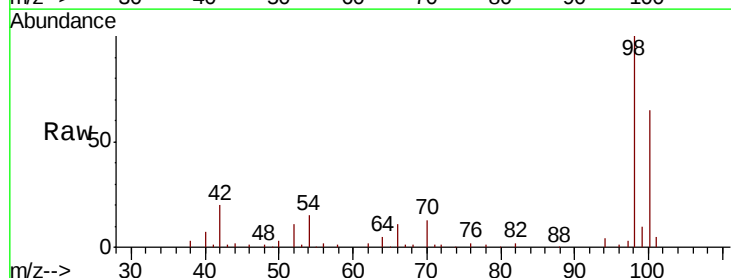


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

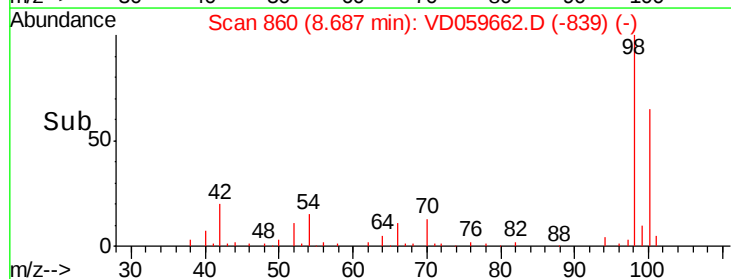
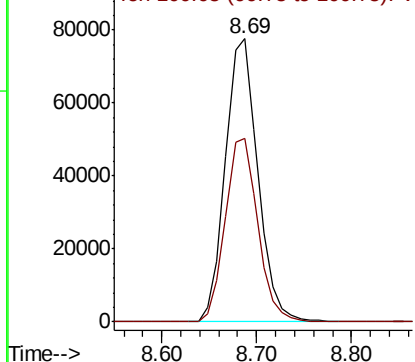


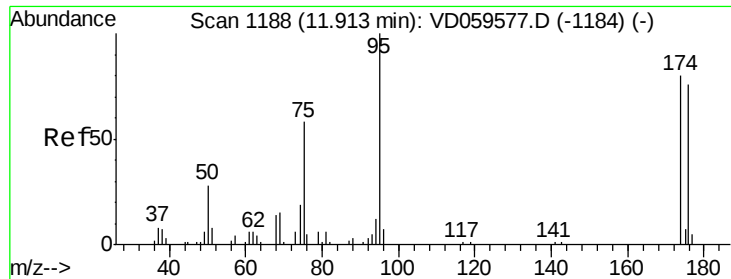
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059662.D
Acq: 31 Jul 2018 19:17

Tgt Ion: 98 Resp: 184116
Ion Ratio Lower Upper
98 100
100 64.9 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

Instrument :

MSVOA_D

ClientSampled :

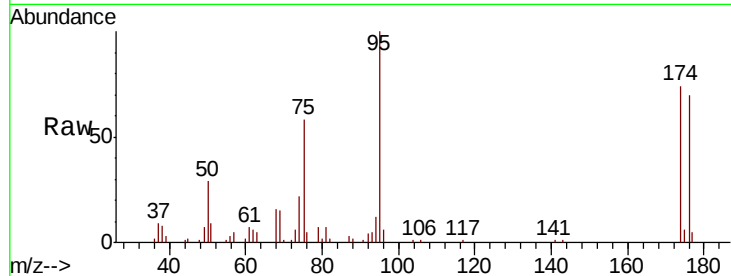
Tot Ion: 95 Resp: 83471

Ion Ratio Lower Upper

95 100

174 73.8 0.0 160.6

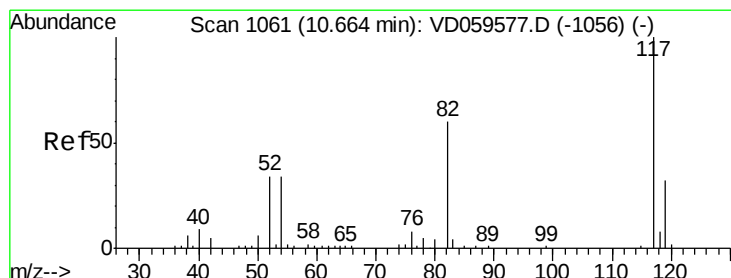
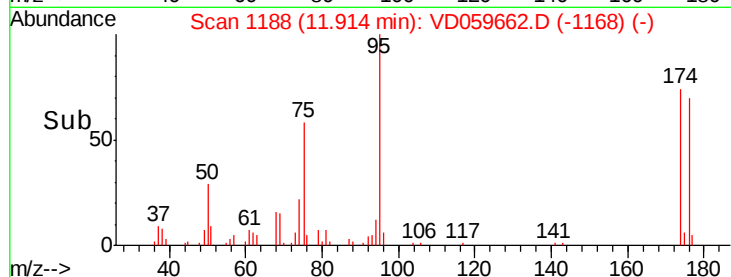
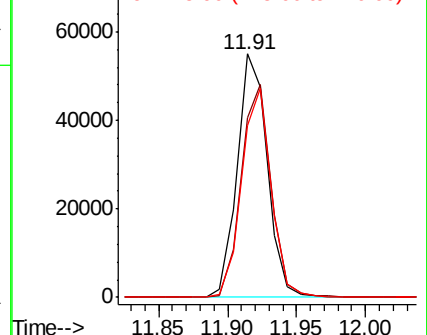
176 70.4 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.67 min Scan# 1062

Delta R.T. 0.01 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

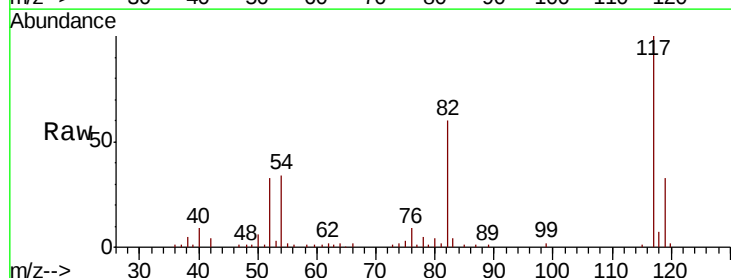
Tgt Ion: 117 Resp: 132864

Ion Ratio Lower Upper

117 100

82 60.1 48.2 72.2

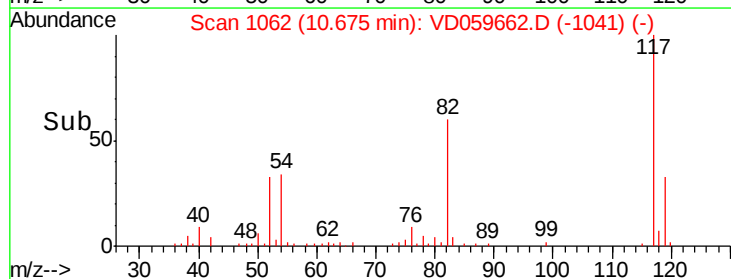
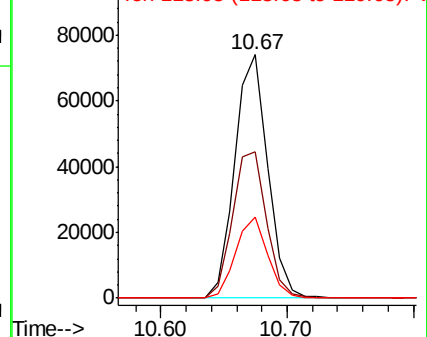
119 33.2 25.4 38.2

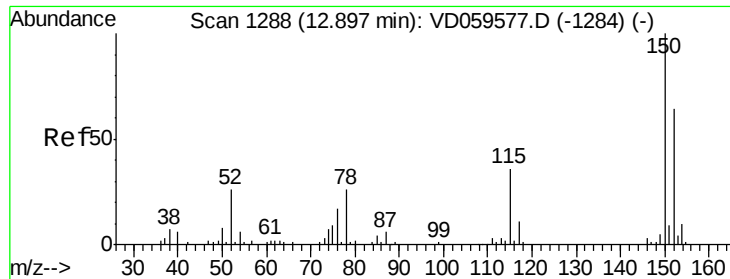


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD059662.D

Acq: 31 Jul 2018 19:17

Instrument :

MSVOA_D

ClientSampled :

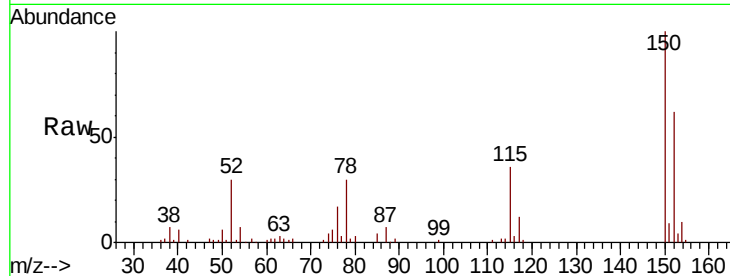
Tot Ion:152 Resp: 69055

Ion Ratio Lower Upper

152 100

115 57.2 29.5 88.6

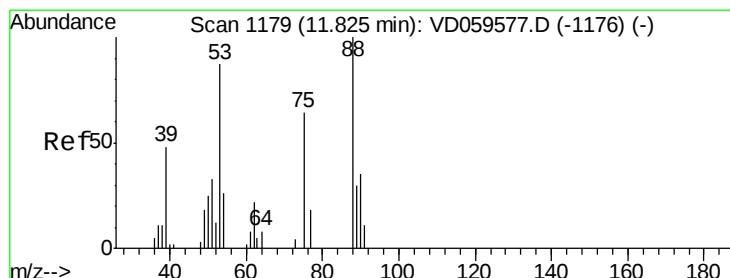
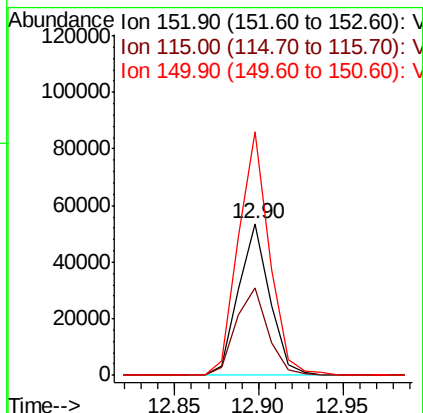
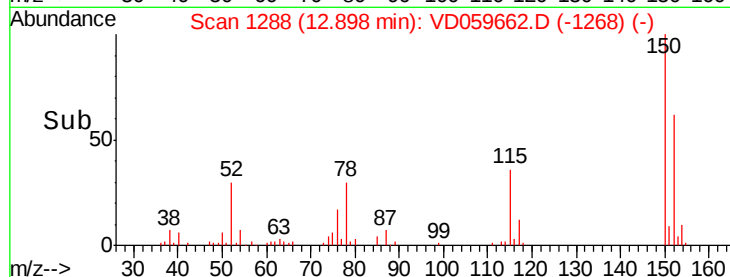
150 160.3 0.0 314.4



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: 159.104 ug/l

RT: 11.91 min Scan# 1188

Delta R.T. 0.09 min

Lab File: VD059662.D

Acq: 31 Jul 2018 19:17

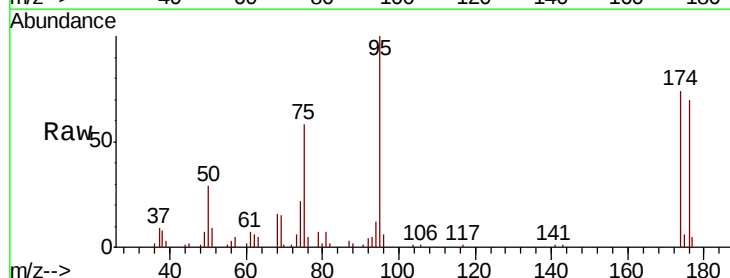
Tgt Ion: 75 Resp: 46453

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): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

