

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080918\
 Data File : VD059729.D
 Acq On : 9 Aug 2018 21:39
 Operator : VA/AP
 Sample : J4388-06
 Misc : 5.21g/5ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-3B

Quant Time: Aug 10 01:18:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	137841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	159972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	126737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	70752	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.01	65	114766	64.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.46%	
35) Dibromofluoromethane	5.54	113	91956	64.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.00%	
50) Toluene-d8	8.70	98	148826	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.93	95	78830	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	

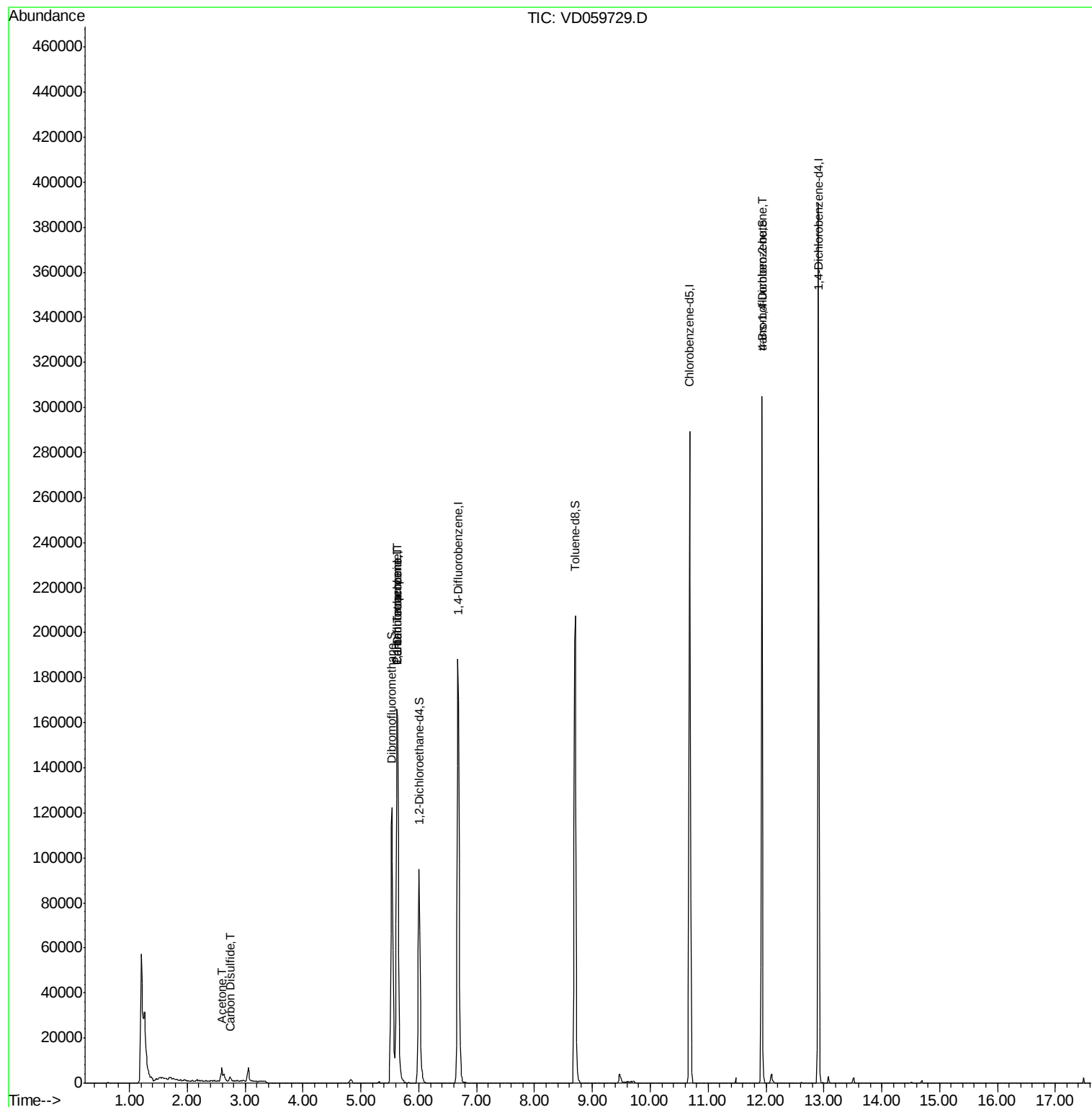
Target Compounds						Qvalue
16) Acetone	2.59	43	11251	33.778	ug/l #	80
17) Carbon Disulfide	2.74	76	2559	1.046	ug/l #	74
20) Methylene Chloride	3.06	84	2681	Below Cal	#	90
31) Cyclohexane	5.62	56	3741	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	14248	8.011	ug/l #	53
38) Carbon Tetrachloride	5.62	117	16385	6.884	ug/l #	13
81) trans-1,4-Dichloro-2-buten	11.93	75	46663	174.817	ug/l #	1

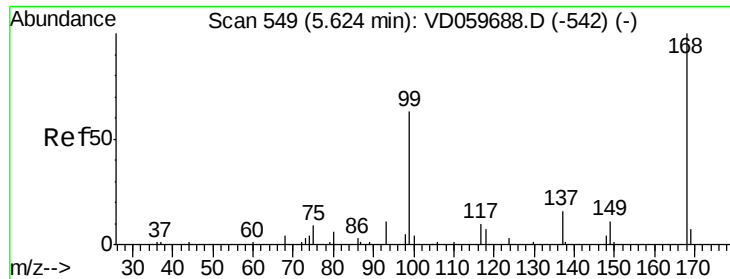
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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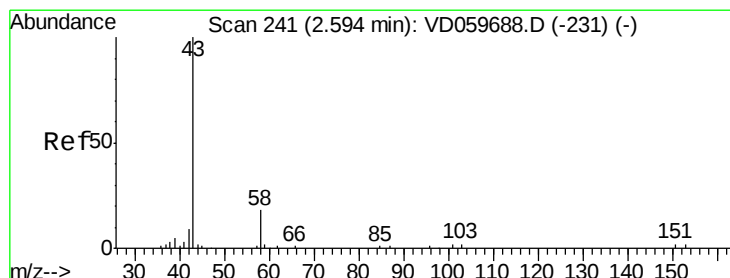
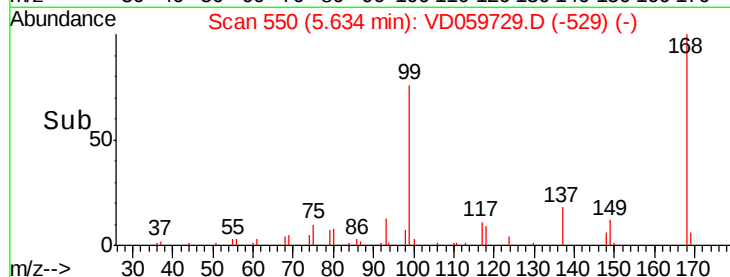
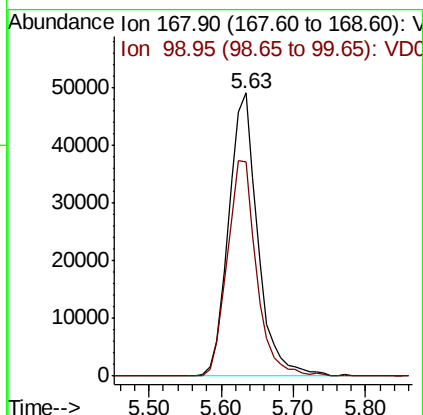
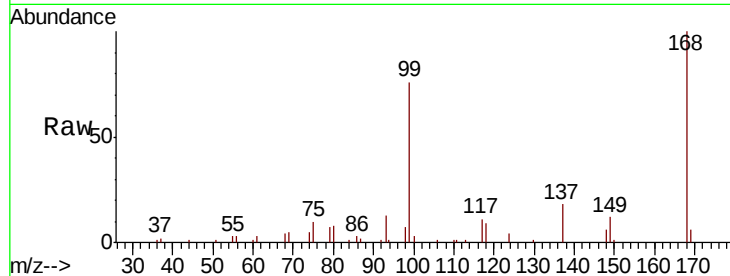




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD059729.D
Acq: 9 Aug 2018 21:39

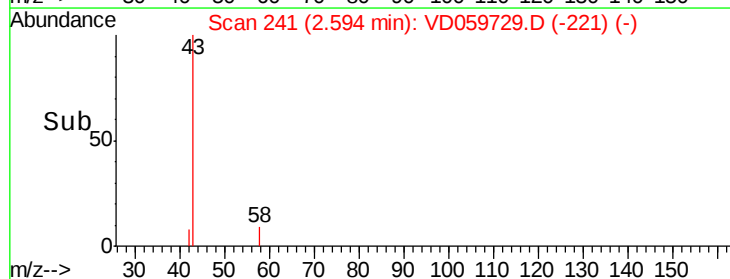
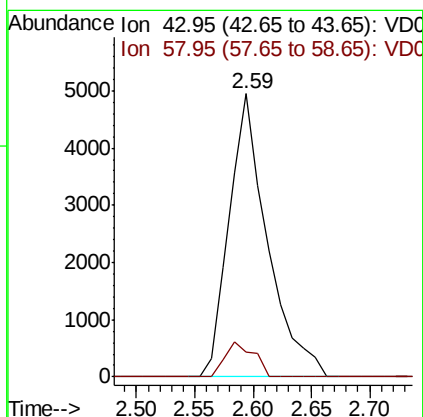
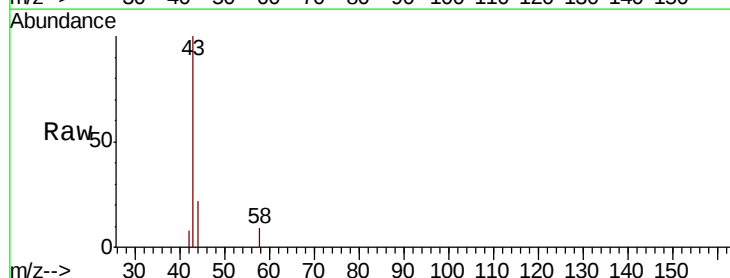
Instrument :
MSVOA_D
ClientSampled :
S-3B

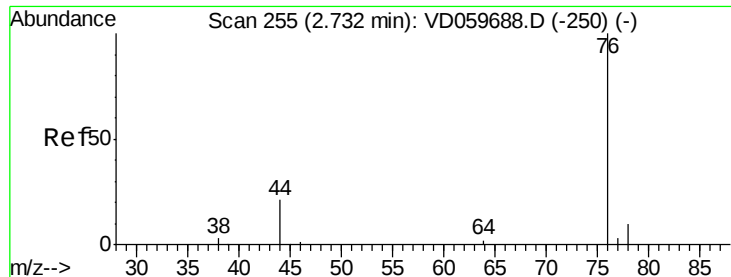
Tgt Ion: 168 Resp: 137841
Ion Ratio Lower Upper
168 100
99 75.7 53.4 80.2



#16
Acetone
Concen: 33.778 ug/l
RT: 2.59 min Scan# 241
Delta R.T. -0.00 min
Lab File: VD059729.D
Acq: 9 Aug 2018 21:39

Tgt Ion: 43 Resp: 11251
Ion Ratio Lower Upper
43 100
58 8.9 14.2 21.2#





#17

Carbon Disulfide

Concen: 1.046 ug/l

RT: 2.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

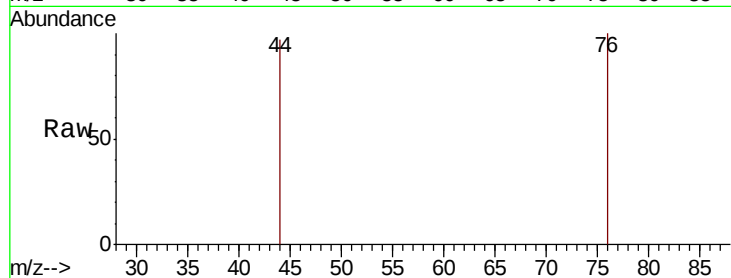
S-3B

Tgt Ion: 76 Resp: 2559

Ion Ratio Lower Upper

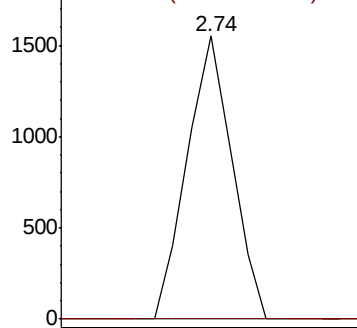
76 100

78 0.0 7.7 11.5#

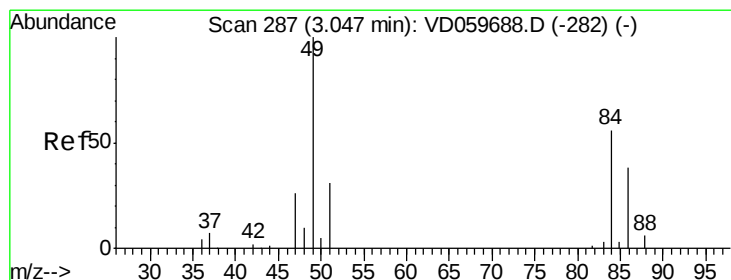
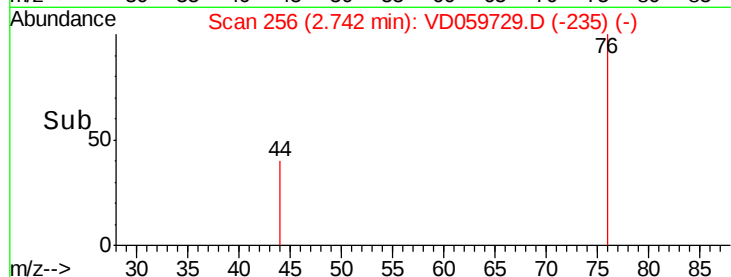


Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

Tgt Ion: 84 Resp: 2681

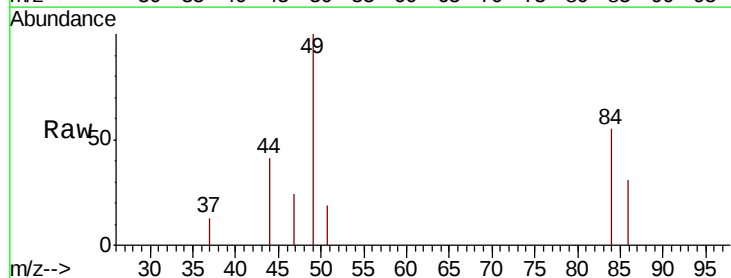
Ion Ratio Lower Upper

84 100

49 182.6 143.4 215.2

51 34.6 44.2 66.4#

86 57.3 55.0 82.6

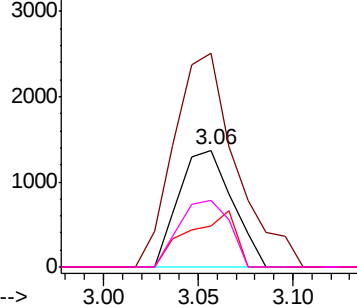


Abundance Ion 83.95 (83.65 to 84.65): VDC

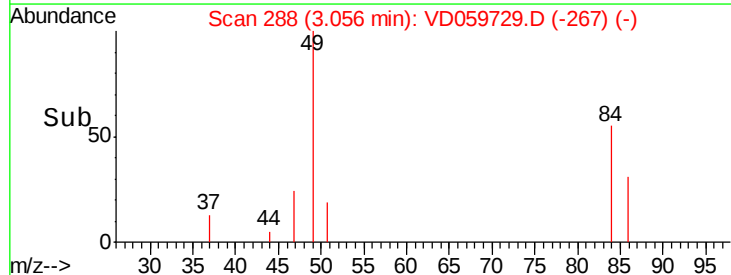
Ion 48.90 (48.60 to 49.60): VDC

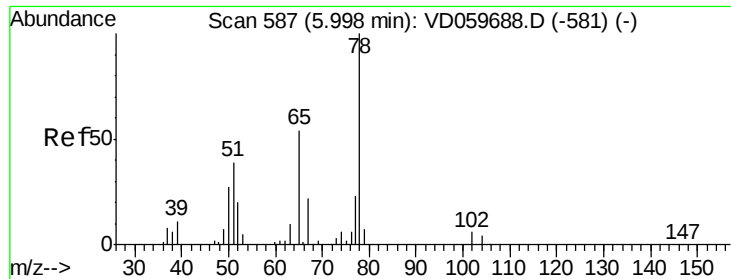
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



Time-->

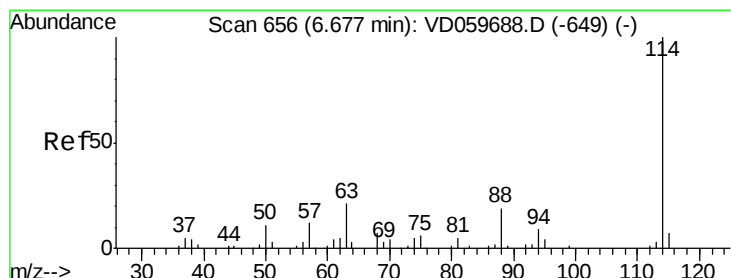
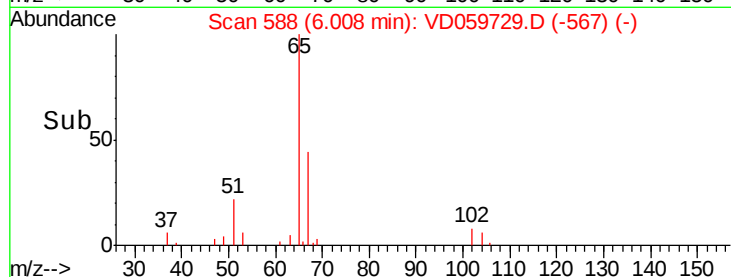
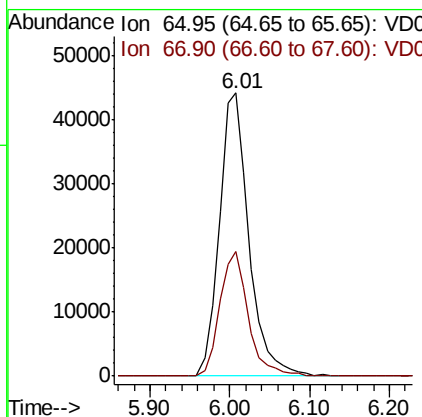
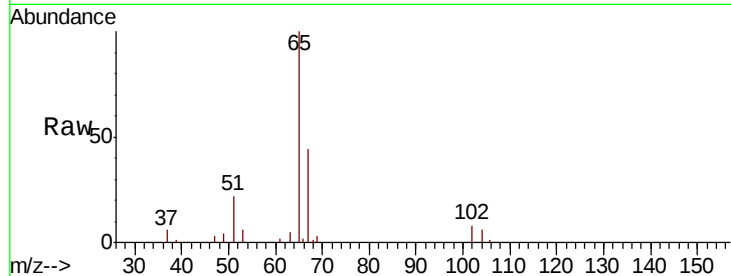




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059729.D
 Acq: 9 Aug 2018 21:39

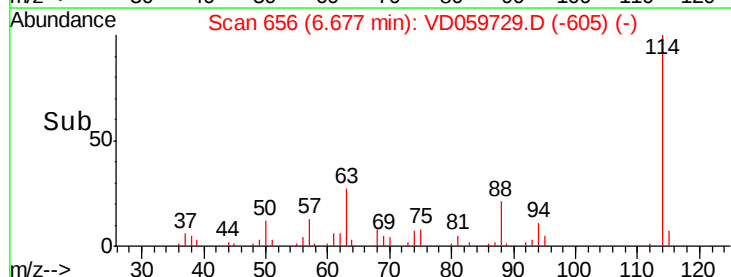
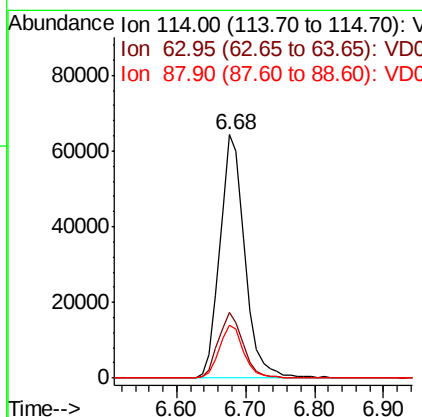
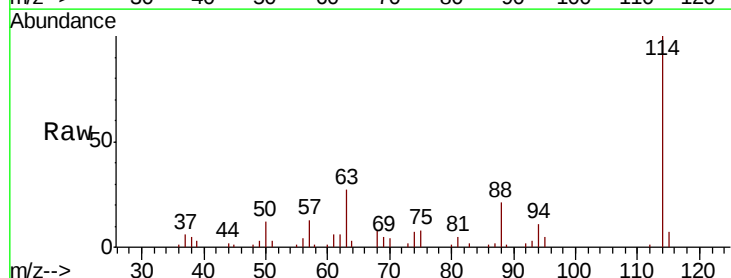
Instrument :
 MSVOA_D
 ClientSampleId :
 S-3B

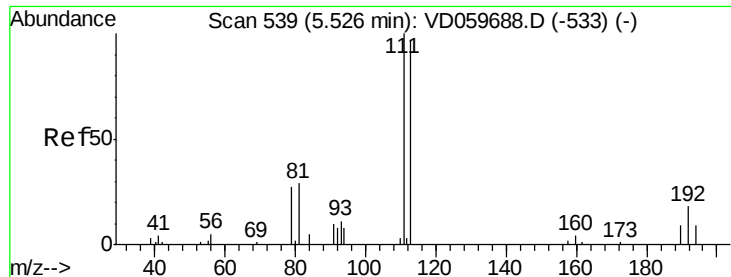
Tgt Ion: 65 Resp: 114766
 Ion Ratio Lower Upper
 65 100
 67 44.0 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: VD059729.D
 Acq: 9 Aug 2018 21:39

Tgt Ion: 114 Resp: 159972
 Ion Ratio Lower Upper
 114 100
 63 26.9 0.0 42.6
 88 21.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. 0.01 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

S-3B

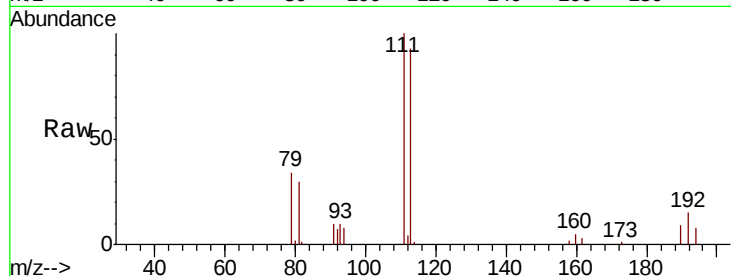
Tgt Ion:113 Resp: 91956

Ion Ratio Lower Upper

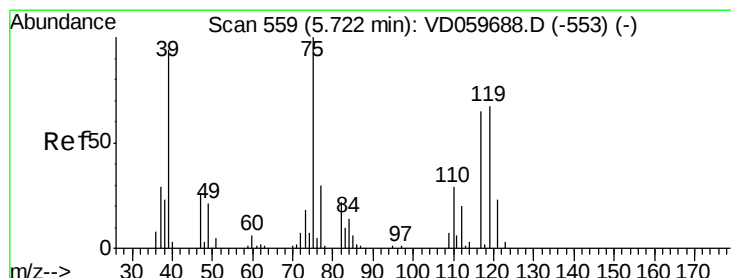
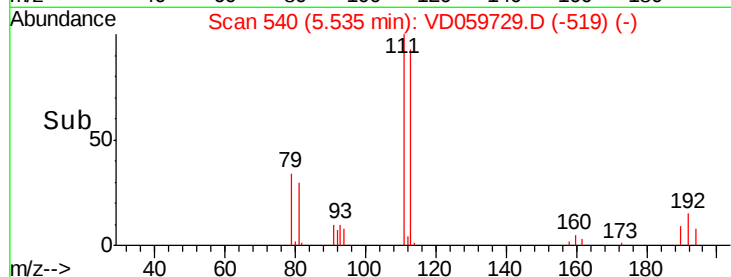
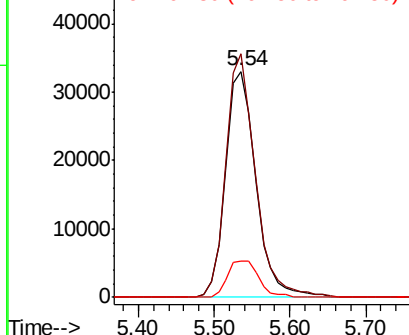
113 100

111 107.6 82.8 124.2

192 16.1 14.6 22.0



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: 8.011 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

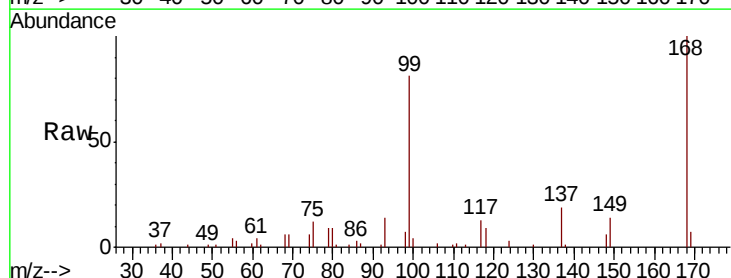
Tgt Ion: 75 Resp: 14248

Ion Ratio Lower Upper

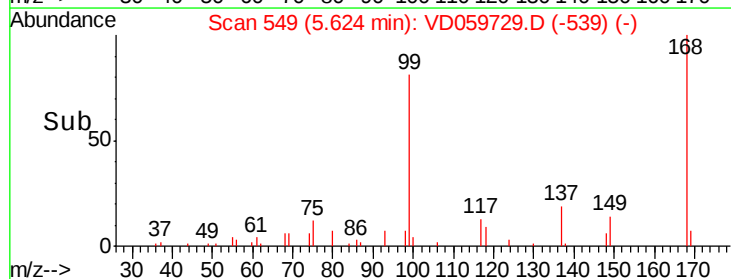
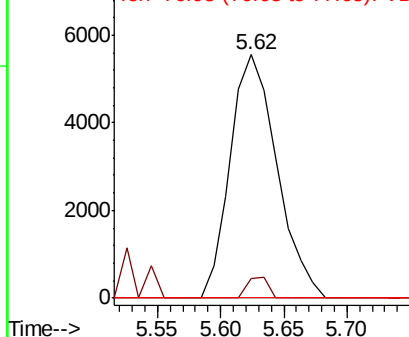
75 100

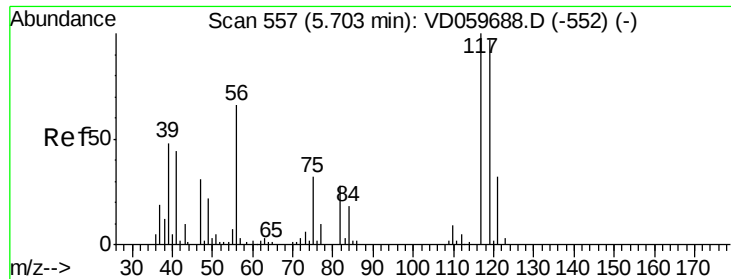
110 8.2 14.1 42.3#

77 0.0 23.9 35.9#



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: 6.884 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.08 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

Instrument :

MSVOA_D

ClientSampleId :

S-3B

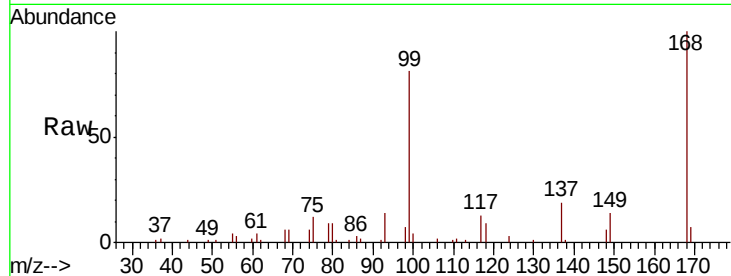
Tgt Ion:117 Resp: 16385

Ion Ratio Lower Upper

117 100

119 0.0 75.3 112.9#

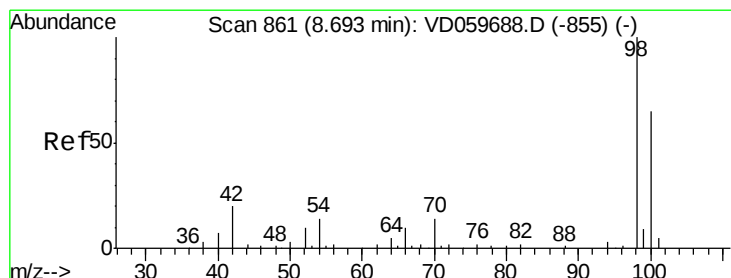
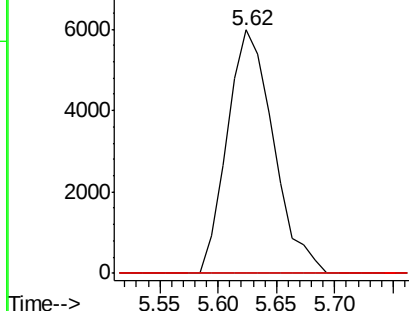
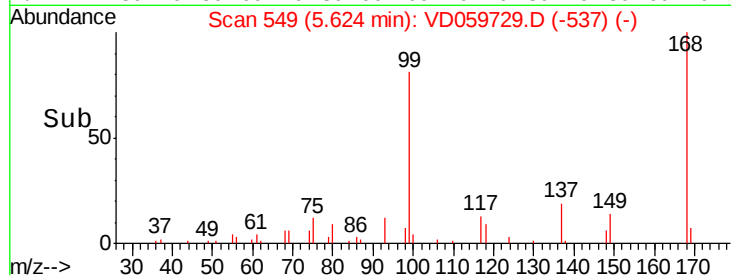
121 0.0 24.4 36.6#



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: 8.70 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059729.D

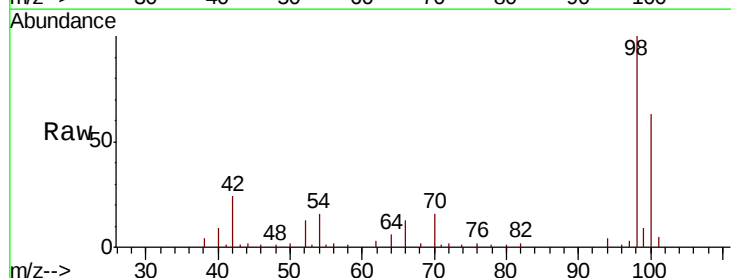
Acq: 9 Aug 2018 21:39

Tgt Ion: 98 Resp: 148826

Ion Ratio Lower Upper

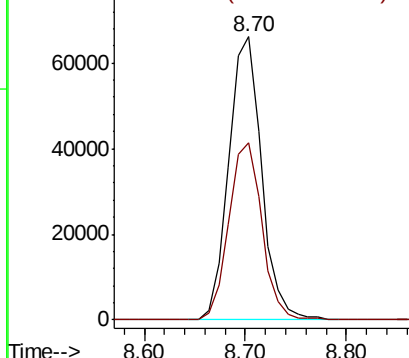
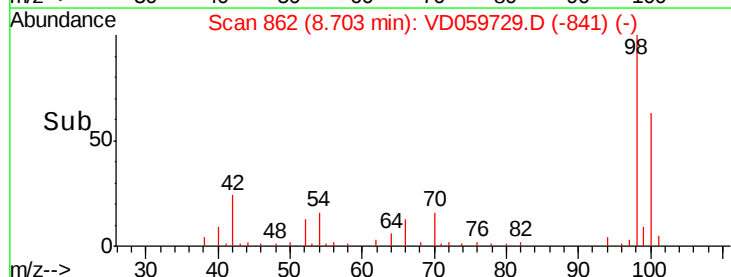
98 100

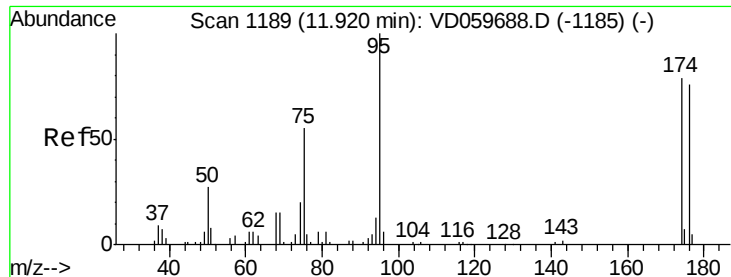
100 62.5 52.5 78.7



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: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

Instrument :

MSVOA_D

ClientSampled :

S-3B

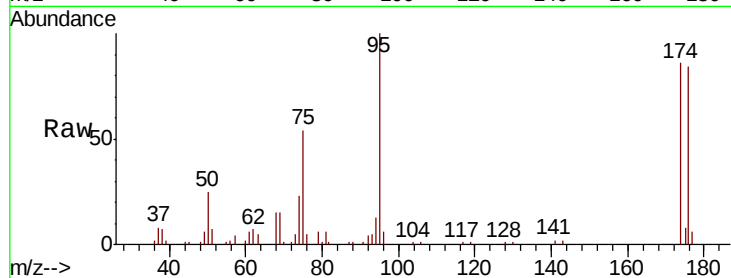
Tgt Ion: 95 Resp: 78830

Ion Ratio Lower Upper

95 100

174 86.4 0.0 158.4

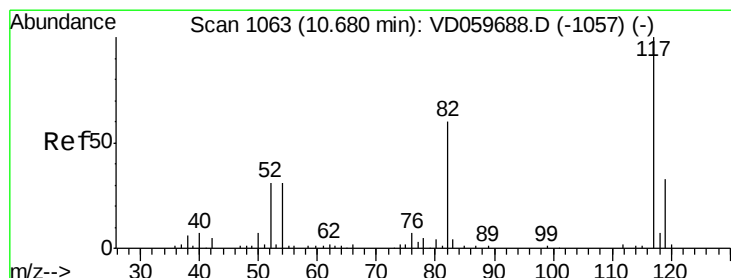
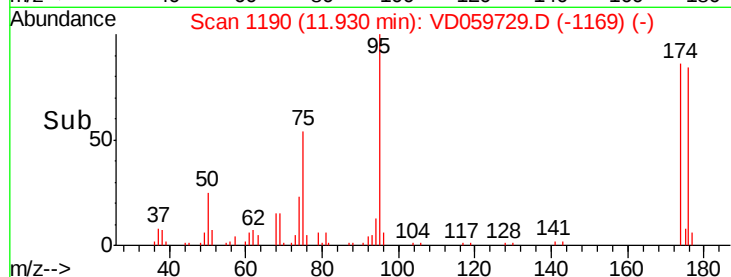
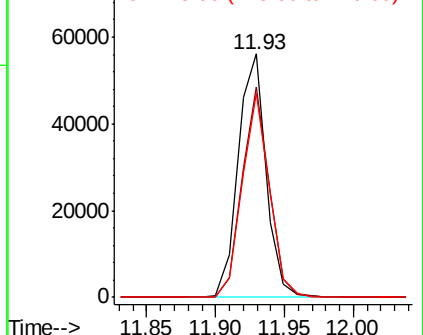
176 83.5 0.0 153.0



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: 10.68 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

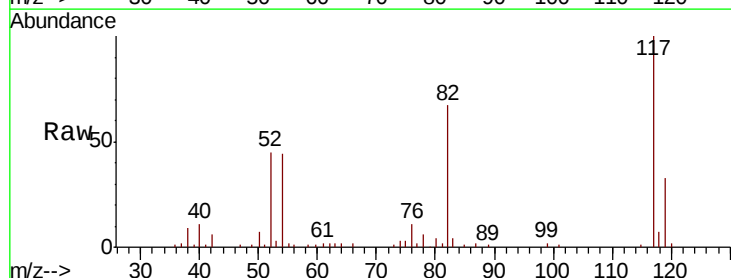
Tgt Ion: 117 Resp: 126737

Ion Ratio Lower Upper

117 100

82 67.4 47.7 71.5

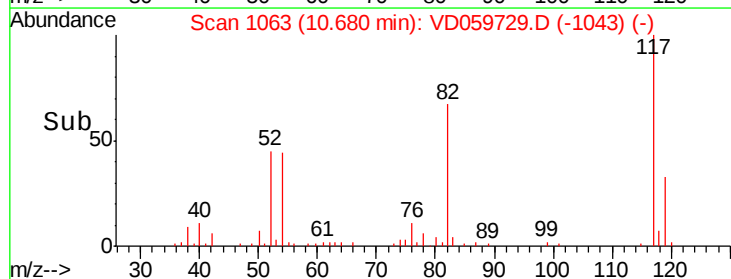
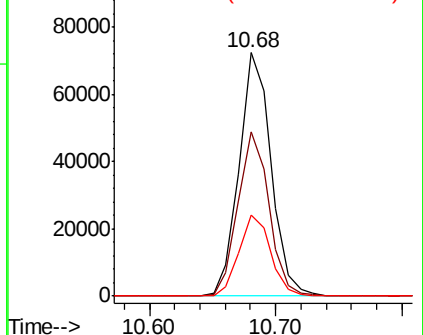
119 33.3 26.6 40.0

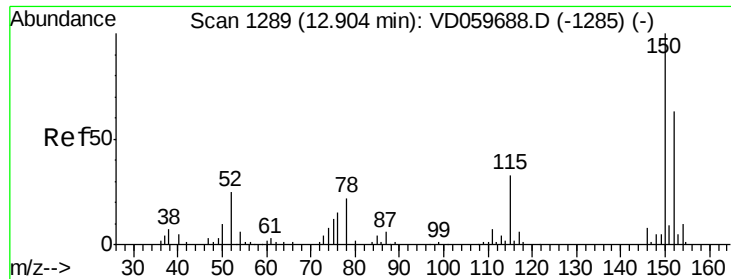


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1289

Delta R.T. -0.00 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

Instrument :

MSVOA_D

ClientSampled :

S-3B

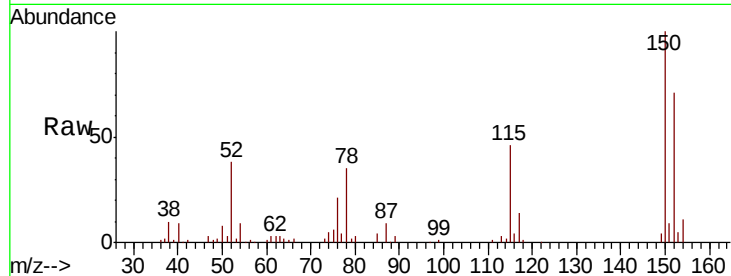
Tgt Ion:152 Resp: 70752

Ion Ratio Lower Upper

152 100

115 65.6 28.8 86.4

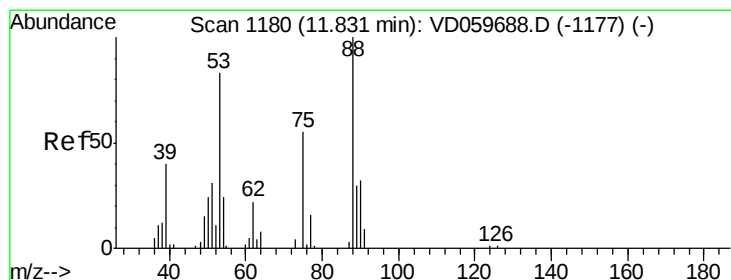
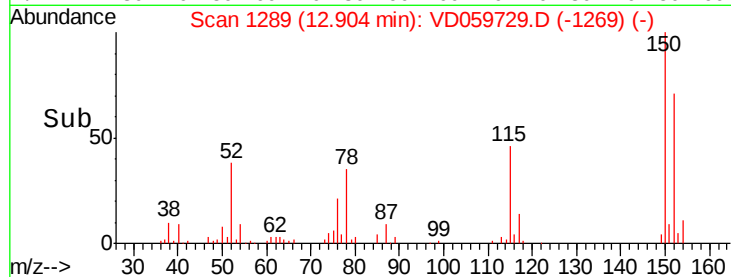
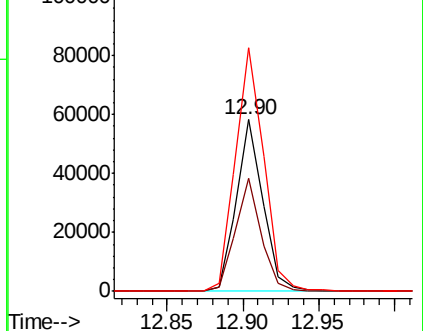
150 141.7 0.0 318.0



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: 174.817 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD059729.D

Acq: 9 Aug 2018 21:39

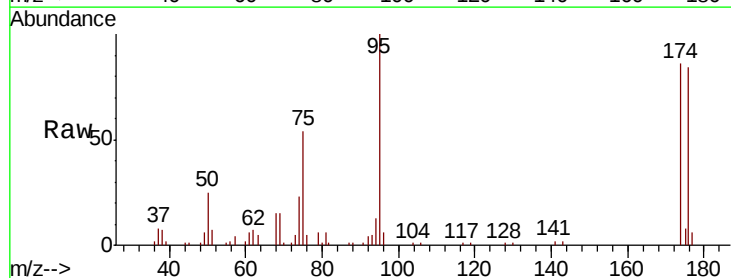
Tgt Ion: 75 Resp: 46663

Ion Ratio Lower Upper

75 100

53 0.0 120.5 180.7#

89 0.0 44.4 66.6#



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

