

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059588.D
 Acq On : 25 Jul 2018 14:35
 Operator : VA/AP
 Sample : J4104-02
 Misc : 5.08g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC026-S-180719

Quant Time: Jul 26 04:28:20 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	5.62	168	152468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.67	114	187071	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	142478	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.91	152	66822	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	90961	47.46	ug/l	0.02
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	5.53	113	83457	52.01	ug/l	0.02
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	8.70	98	163387	44.88	ug/l	0.02
Spiked Amount			Recovery	=	89.76%	
62) 4-Bromofluorobenzene	11.92	95	70778	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	

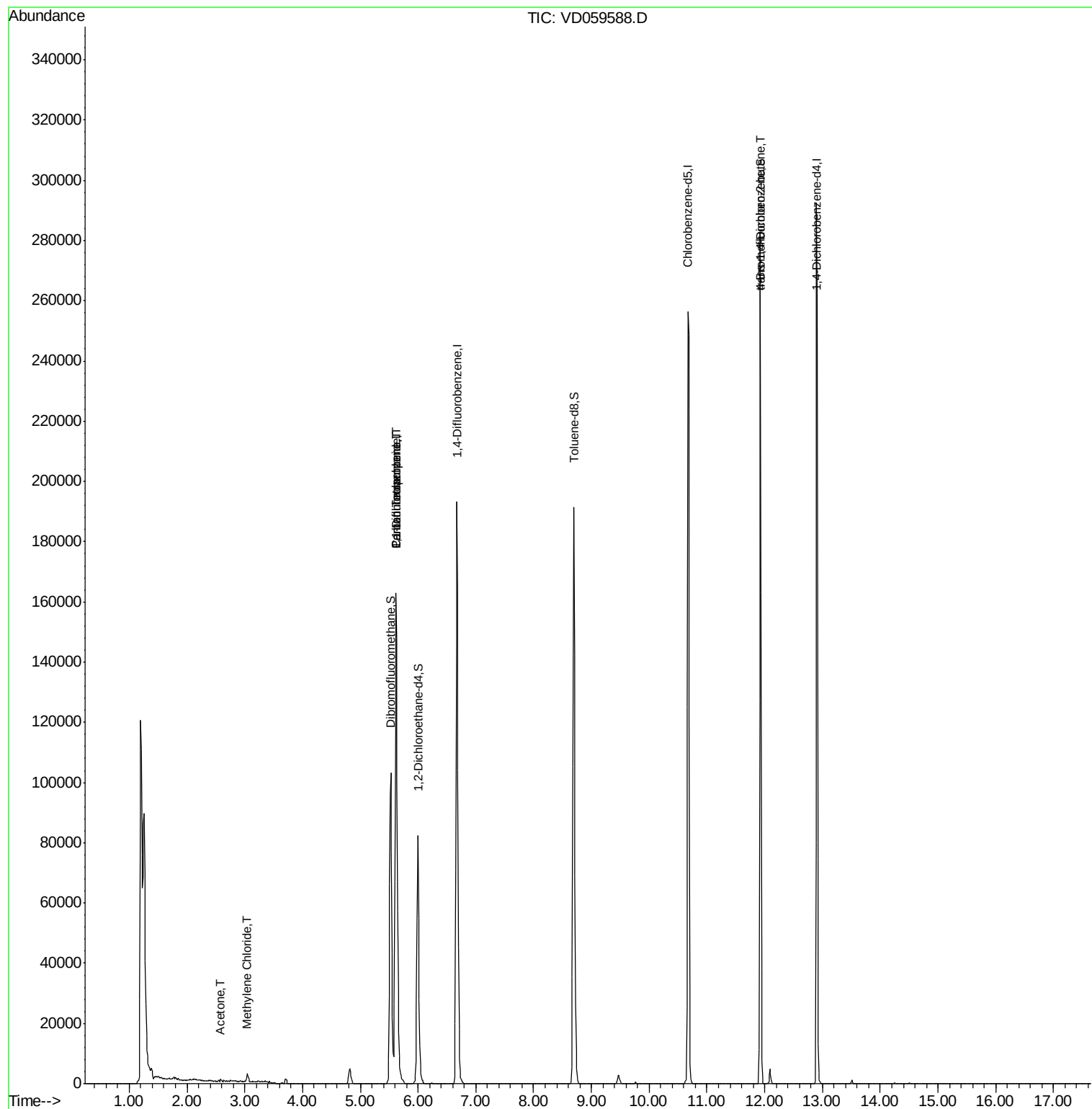
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	1019	3.52	ug/l #	61
20) Methylene Chloride	3.05	84	1053	1.28	ug/l #	81
31) Cyclohexane	5.62	56	3072	Below Cal	#	4
36) 1,1-Dichloropropene	5.62	75	12916	6.88	ug/l #	51
38) Carbon Tetrachloride	5.62	117	14673	5.71	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.92	75	38151	135.04	ug/l #	1

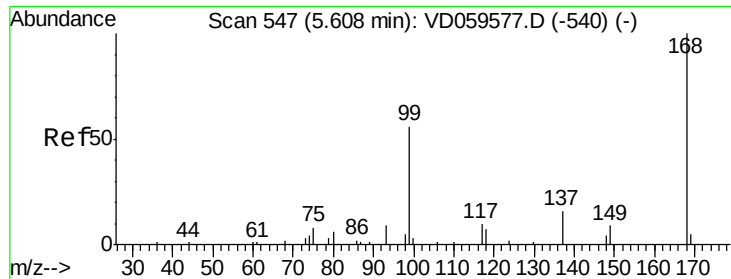
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

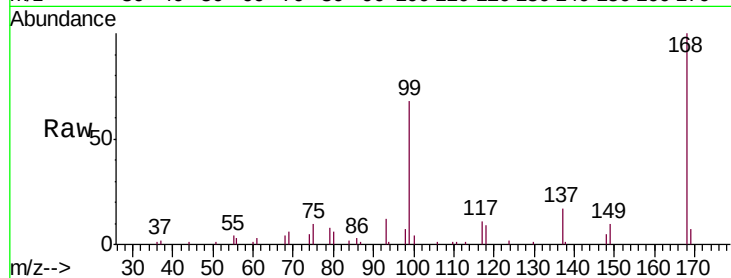
KY030LC026-S-180719

Tot Ion:168 Resp: 152468

Ion Ratio Lower Upper

168 100

99 68.0 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.62

60000

50000

40000

30000

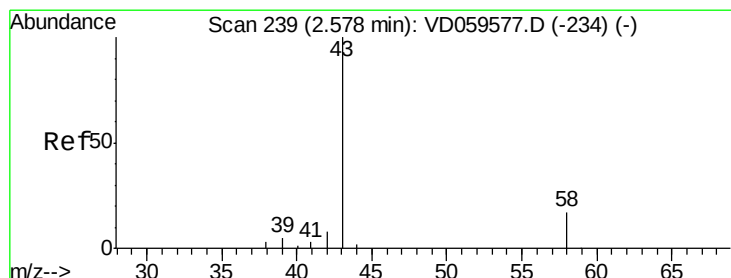
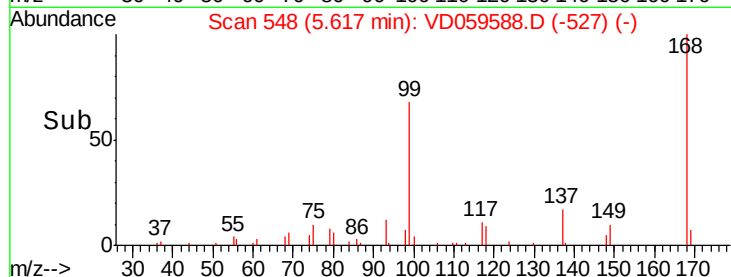
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.52 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059588.D

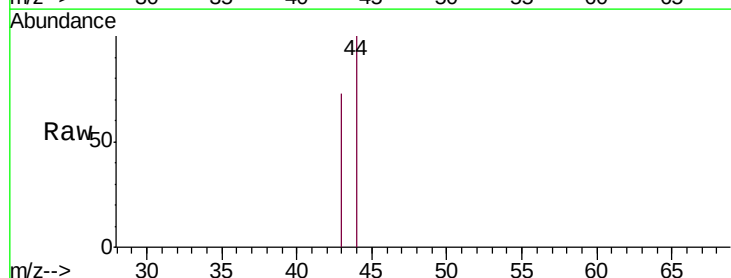
Acq: 25 Jul 2018 14:35

Tgt Ion: 43 Resp: 1019

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

2.58

600

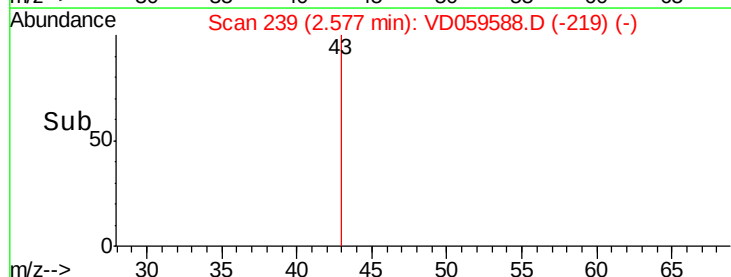
400

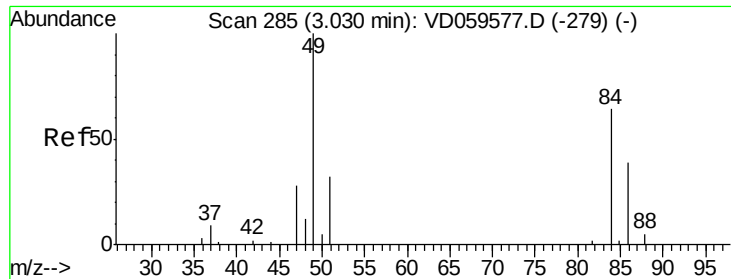
200

0

Time-->

2.55 2.60

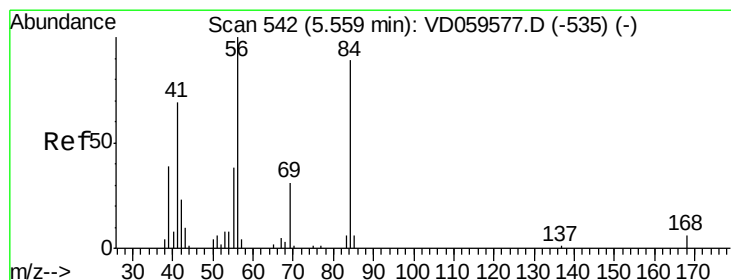
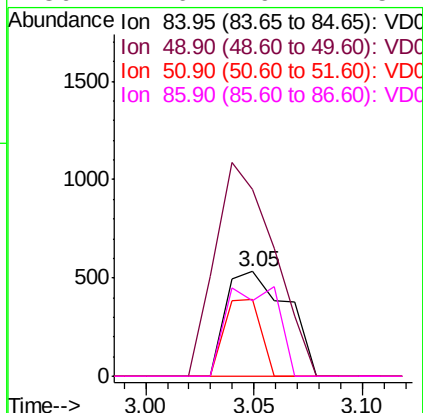
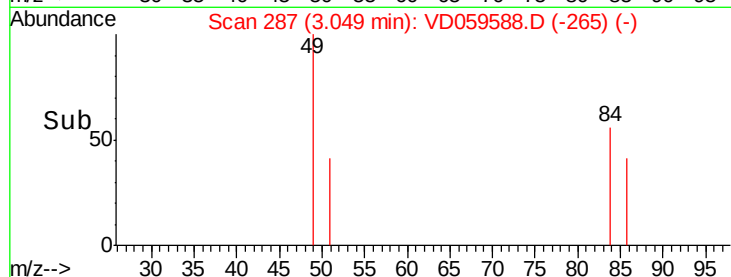
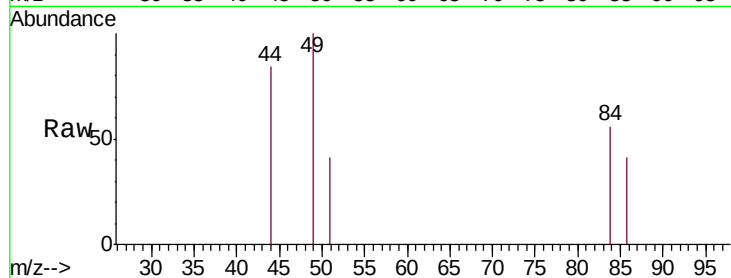




#20
Methvlene Chloride
Concen: 1.28 ua/l
RT: 3.05 min Scan# 287
Delta R.T. 0.02 min
Lab File: VD059588.D
Acq: 25 Jul 2018 14:35

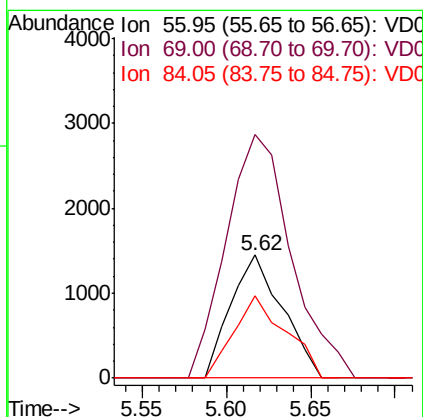
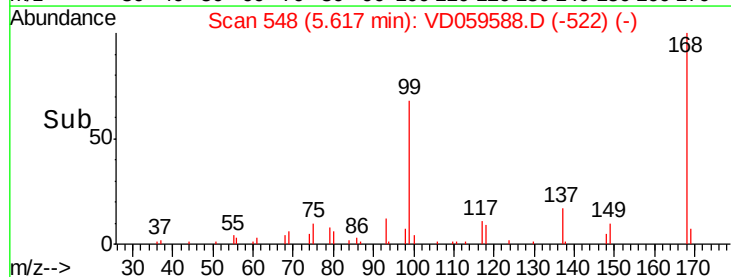
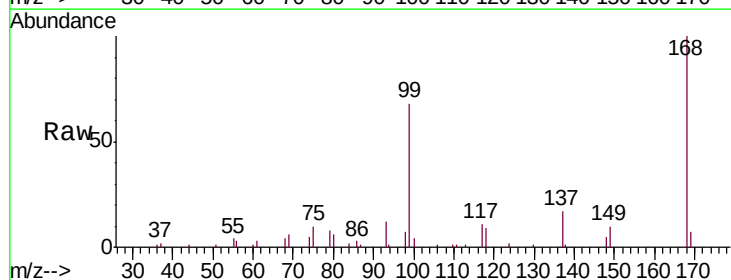
Instrument :
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ClientSampleId :
KY030LC026-S-180719

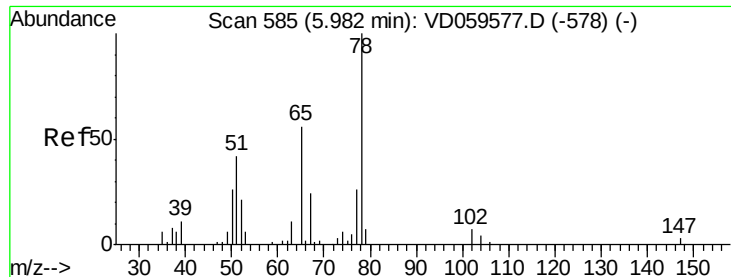
Tot Ion: 84 Resp: 1053
Ion Ratio Lower Upper
84 100
49 178.4 125.4 188.2
51 73.1 39.7 59.5#
86 72.6 49.1 73.7



#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 548
Delta R.T. 0.06 min
Lab File: VD059588.D
Acq: 25 Jul 2018 14:35

Tgt Ion: 56 Resp: 3072
Ion Ratio Lower Upper
56 100
69 198.5 24.6 37.0#
84 66.7 72.7 109.1#

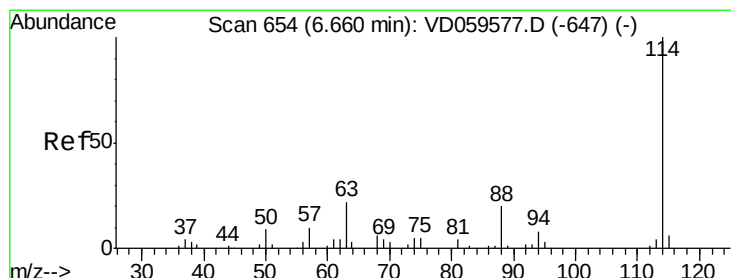
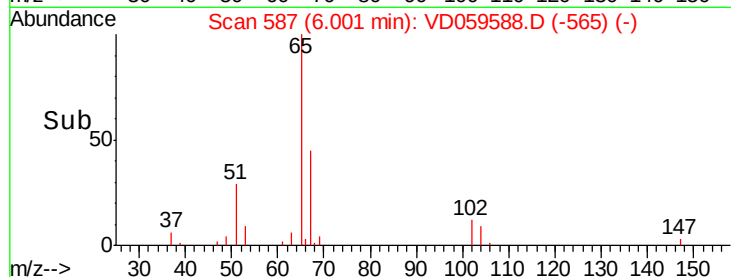
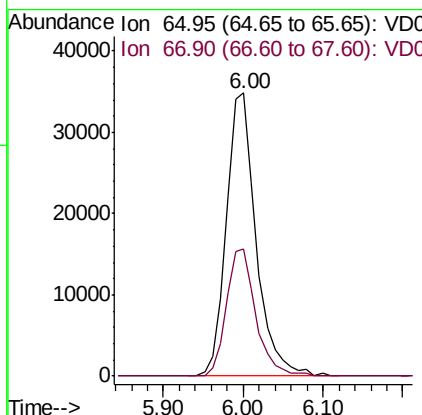
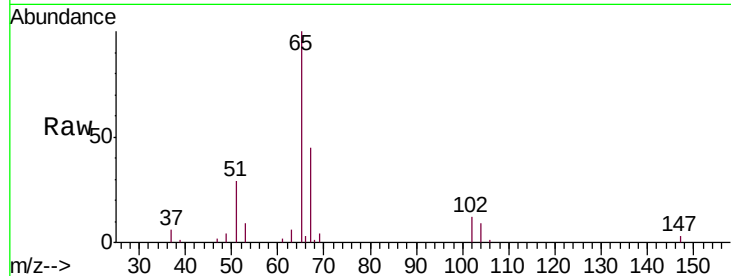




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.02 min
 Lab File: VD059588.D
 Acq: 25 Jul 2018 14:35

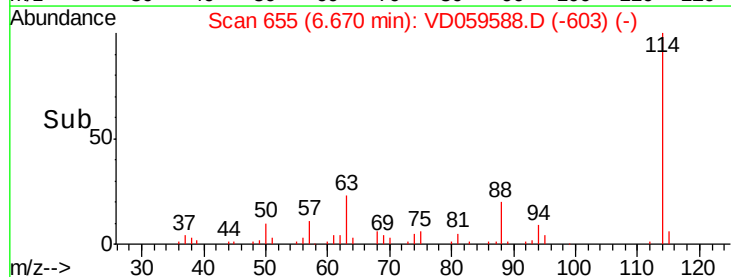
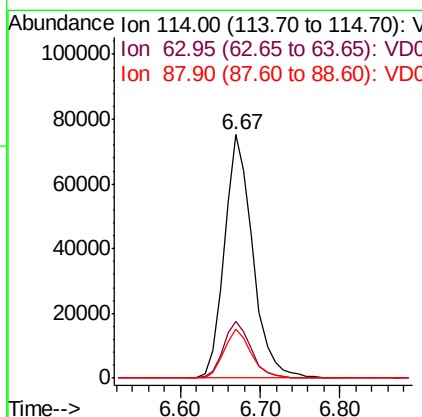
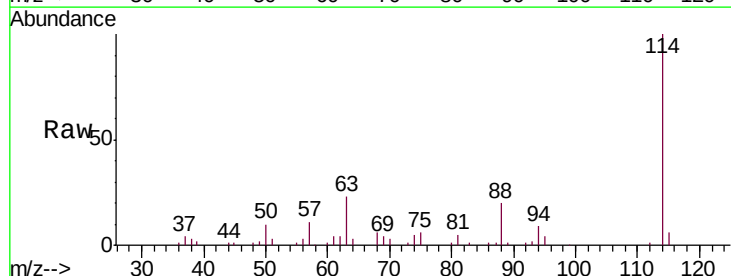
Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC026-S-180719

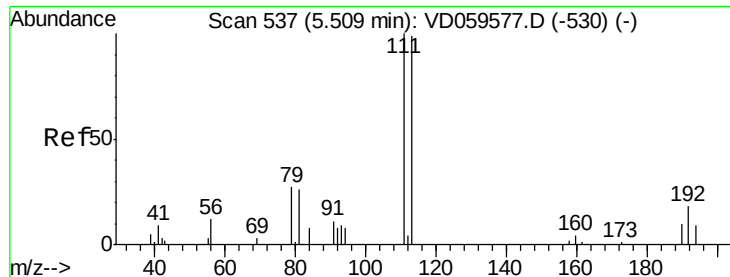
Tot Ion: 65 Resp: 90961
 Ion Ratio Lower Upper
 65 100
 67 44.7 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.67 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VD059588.D
 Acq: 25 Jul 2018 14:35

Tgt Ion: 114 Resp: 187071
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 43.8
 88 20.0 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: VD059588.D

Acq: 25 Jul 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

KY030LC026-S-180719

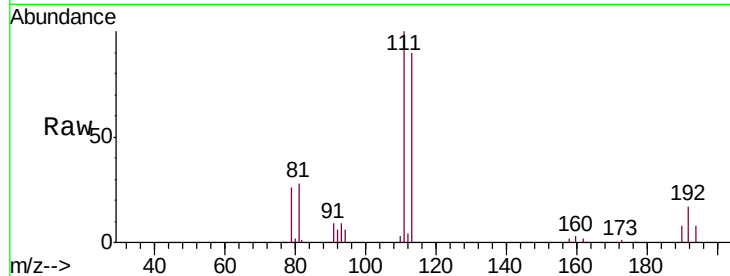
Tot Ion:113 Resp: 83457

Ion Ratio Lower Upper

113 100

111 111.1 80.5 120.7

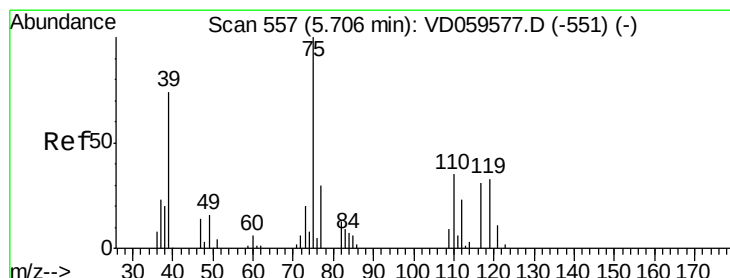
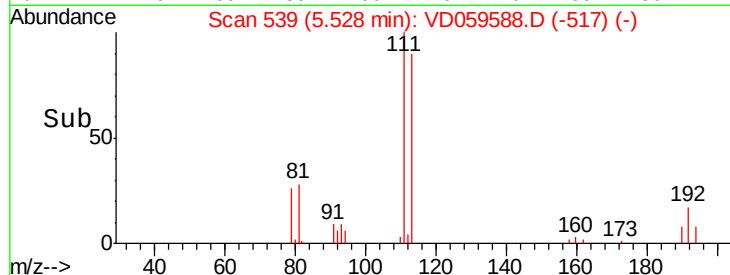
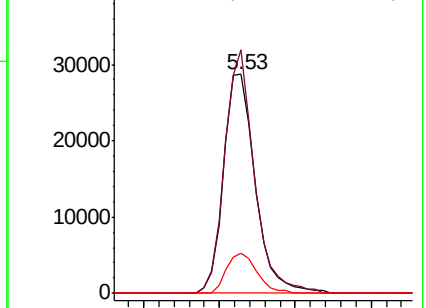
192 18.5 14.5 21.7



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: 6.88 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

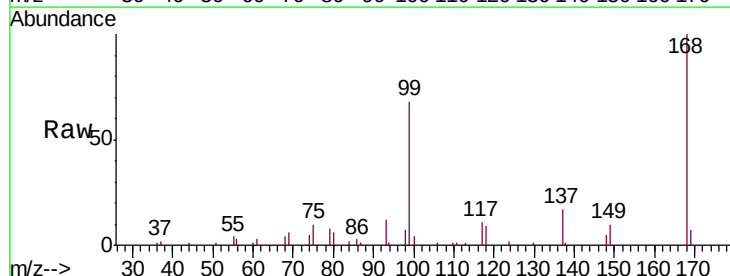
Tgt Ion: 75 Resp: 12916

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

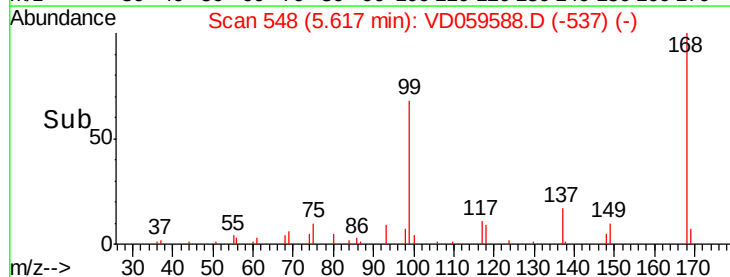
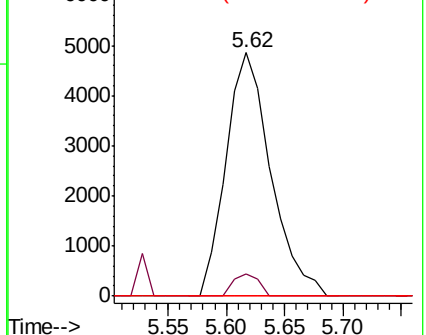
77 0.0 23.6 35.4#

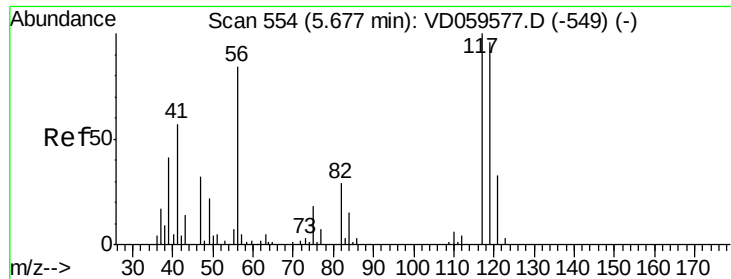


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.71 ug/l

RT: 5.62 min Scan# 548

Delta R.T. -0.06 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

Instrument :

MSVOA_D

ClientSampleId :

KY030LC026-S-180719

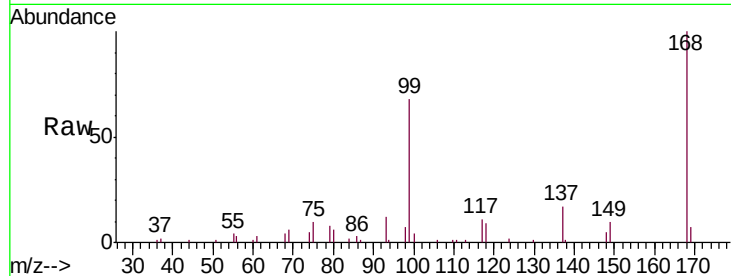
Tot Ion:117 Resp: 14673

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

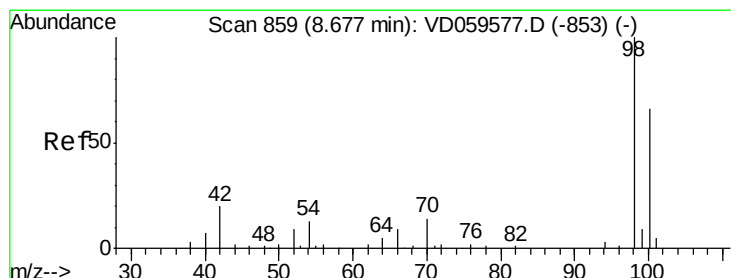
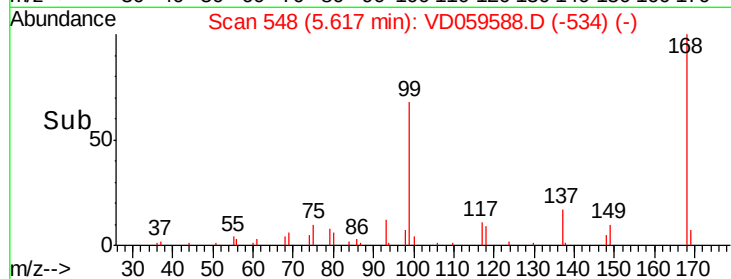
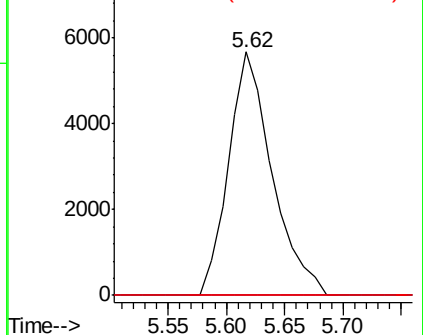
121 0.0 25.0 37.6#



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: 8.70 min Scan# 861

Delta R.T. 0.02 min

Lab File: VD059588.D

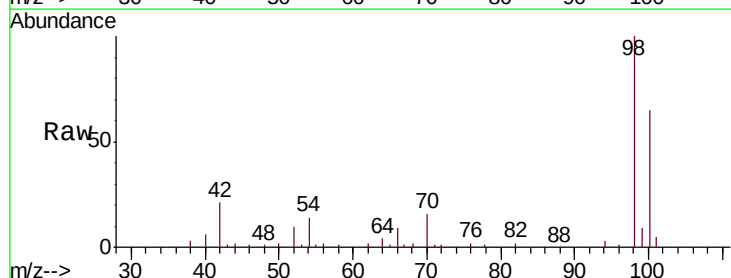
Acq: 25 Jul 2018 14:35

Tgt Ion: 98 Resp: 163387

Ion Ratio Lower Upper

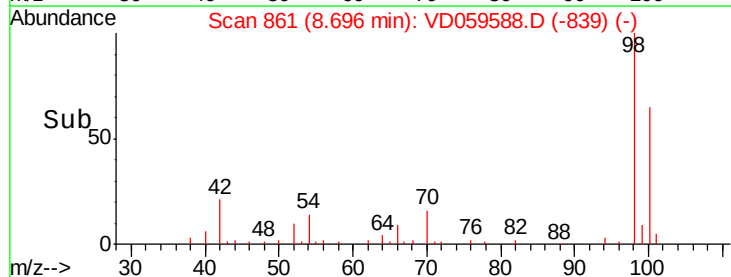
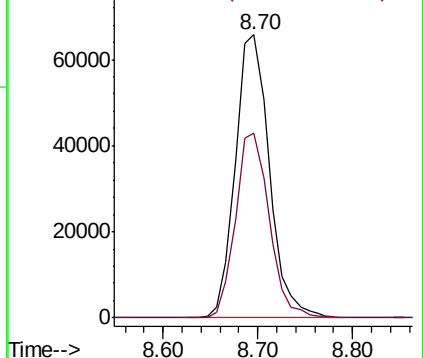
98 100

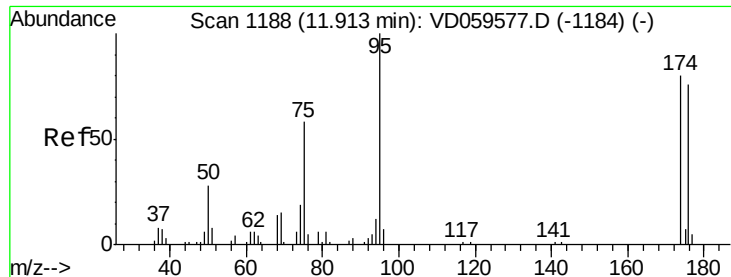
100 65.4 53.2 79.8



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: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

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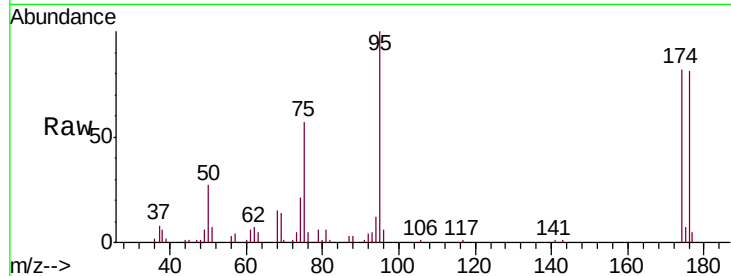
Tot Ion: 95 Resp: 70778

Ion Ratio Lower Upper

95 100

174 81.6 0.0 160.6

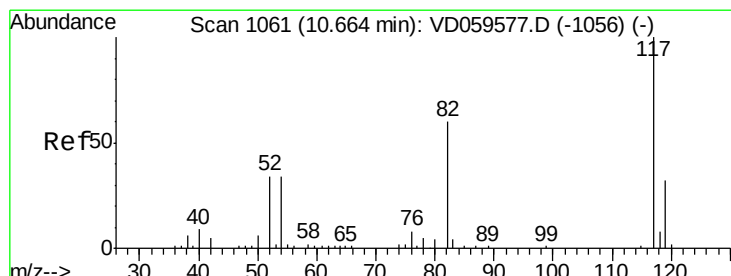
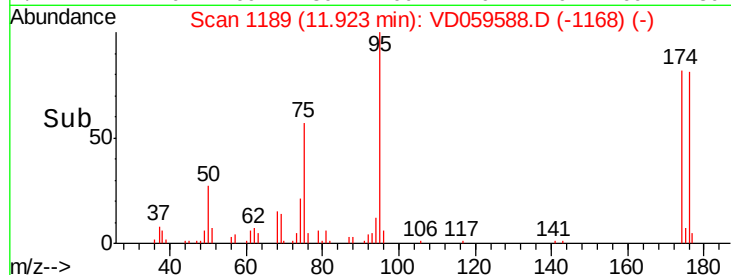
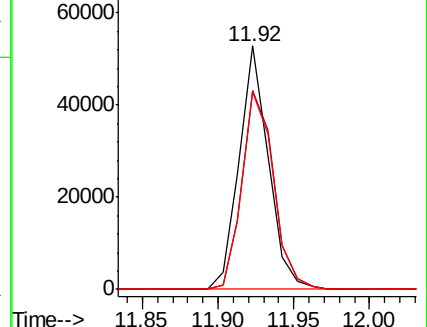
176 81.3 0.0 152.8



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: 50.00 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. 0.02 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

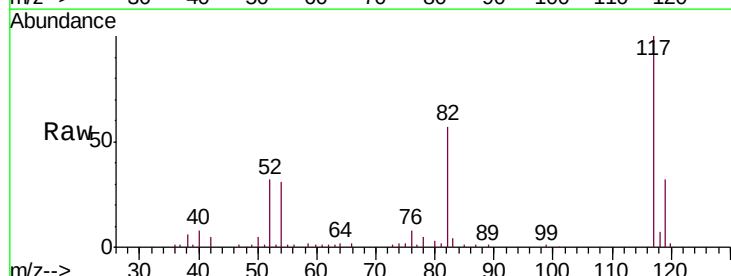
Tgt Ion: 117 Resp: 142478

Ion Ratio Lower Upper

117 100

82 56.9 48.2 72.2

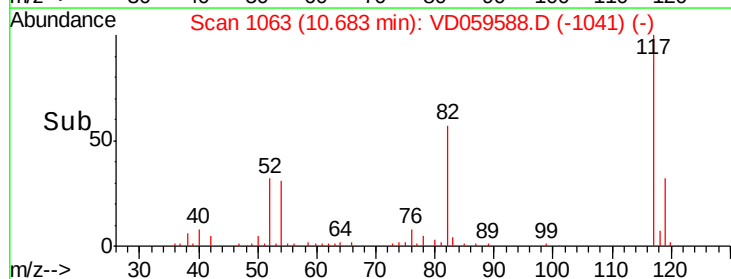
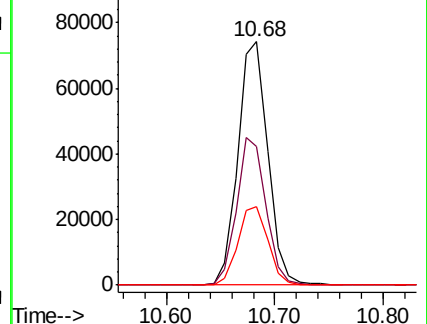
119 32.1 25.4 38.2

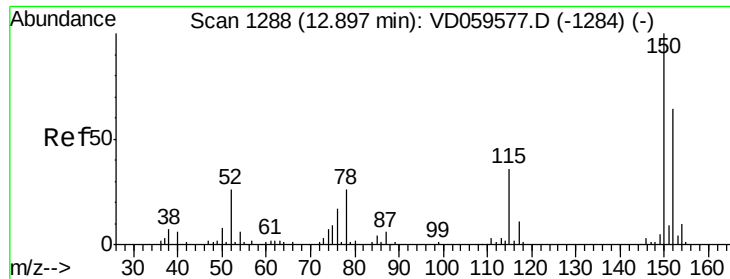


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

Instrument :

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ClientSampleId :

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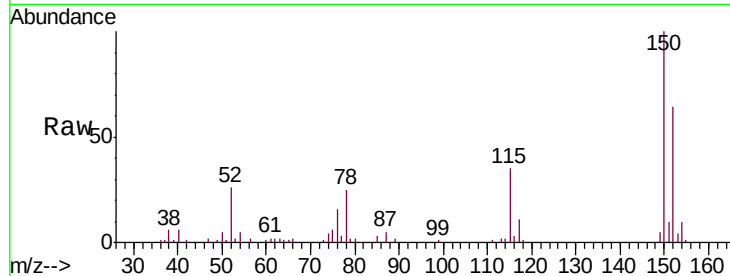
Tot Ion:152 Resp: 66822

Ion Ratio Lower Upper

152 100

115 55.3 29.5 88.6

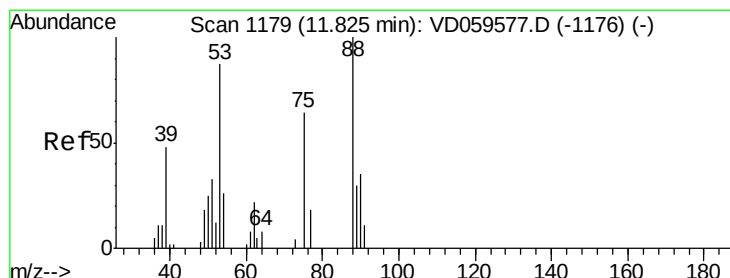
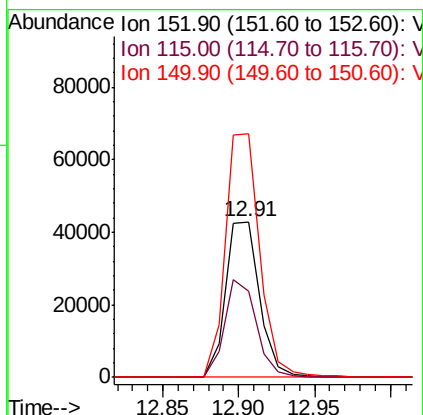
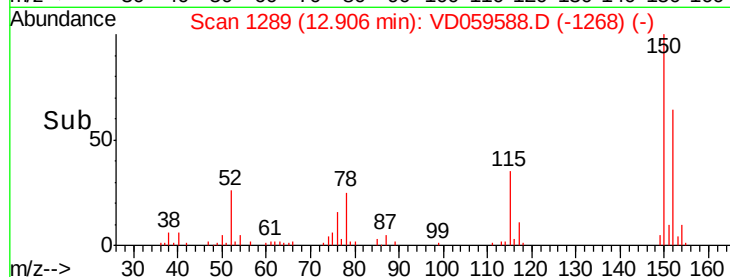
150 156.4 0.0 314.4



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: 135.04 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.10 min

Lab File: VD059588.D

Acq: 25 Jul 2018 14:35

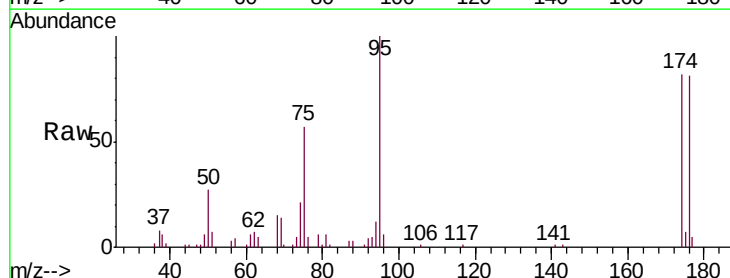
Tgt Ion: 75 Resp: 38151

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

