

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081418\
 Data File : VD059769.D
 Acq On : 14 Aug 2018 16:21
 Operator : VA/AP
 Sample : J4442-21
 Misc : 3.38g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 10:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 05:42:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	274757	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.69	114	372352	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	292171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	137145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	168460	39.17	ug/l	0.00
Spiked Amount			Recovery	=	78.34%	
35) Dibromofluoromethane	5.55	113	152355	39.73	ug/l	0.00
Spiked Amount			Recovery	=	79.46%	
50) Toluene-d8	8.70	98	350521	46.09	ug/l	0.00
Spiked Amount			Recovery	=	92.18%	
62) 4-Bromofluorobenzene	11.93	95	134045	35.14	ug/l	0.00
Spiked Amount			Recovery	=	70.28%	

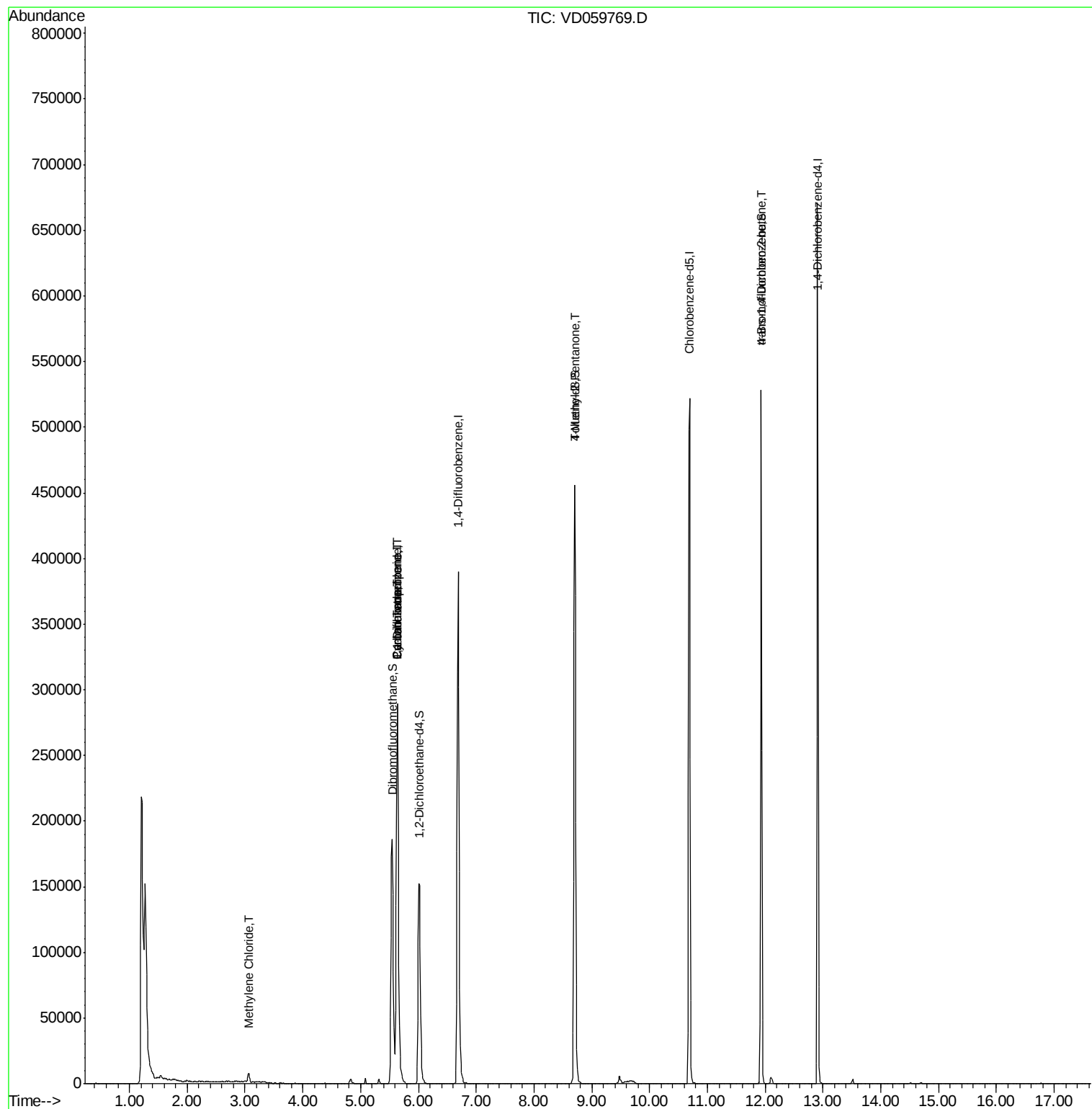
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	3.07	84	2998	1.478	ug/l #	71
31) Cyclohexane	5.63	56	6132	2.213	ug/l #	28
36) 1,1-Dichloropropene	5.63	75	23799	5.507	ug/l #	51
38) Carbon Tetrachloride	5.64	117	25887	3.807	ug/l #	11
51) 4-Methyl-2-Pentanone	8.70	43	1873	1.015	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	67643	148.031	ug/l #	1

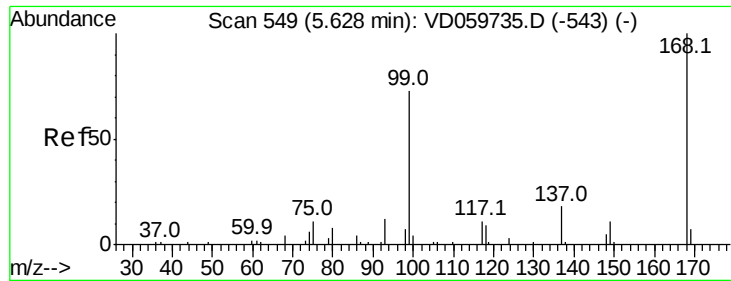
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 11 05:42:24 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 551

Delta R.T. 0.02 min

Lab File: VD059769.D

Acq: 14 Aug 2018 16:21

Instrument :

MSVOA_D

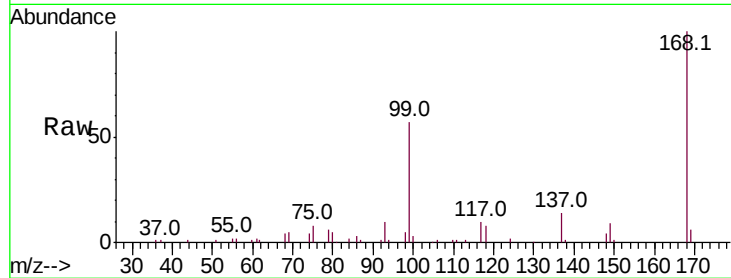
ClientSampled :

Tot Ion:168 Resp: 274757

Ion Ratio Lower Upper

168 100

99 57.3 61.4 92.2#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

100000

80000

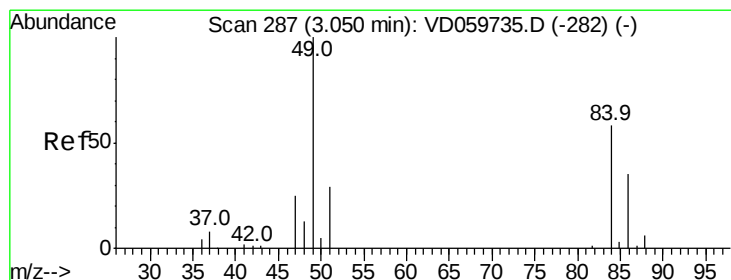
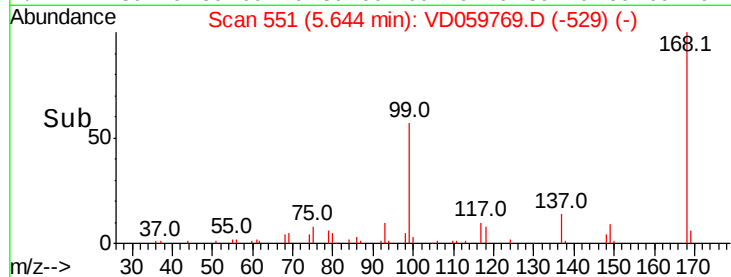
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 1.478 ug/l

RT: 3.07 min Scan# 289

Delta R.T. 0.02 min

Lab File: VD059769.D

Acq: 14 Aug 2018 16:21

Tgt Ion: 84 Resp: 2998

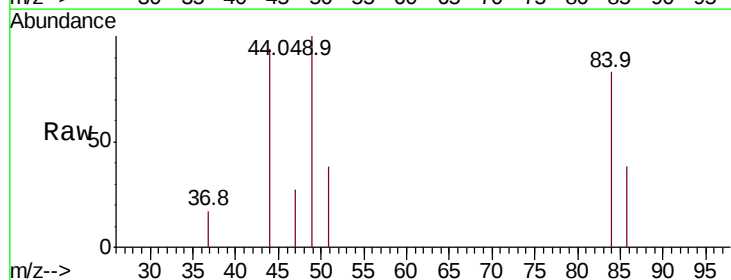
Ion Ratio Lower Upper

84 100

49 120.1 138.9 208.3#

51 45.3 40.2 60.2

86 45.5 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

4000

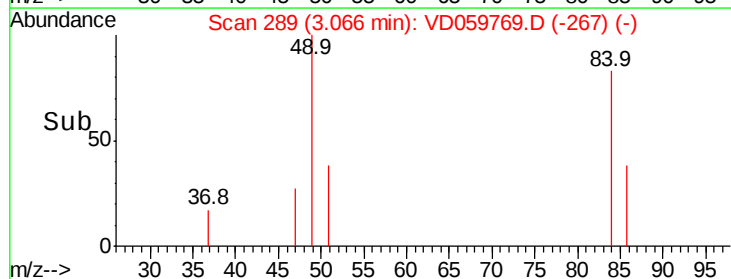
3000

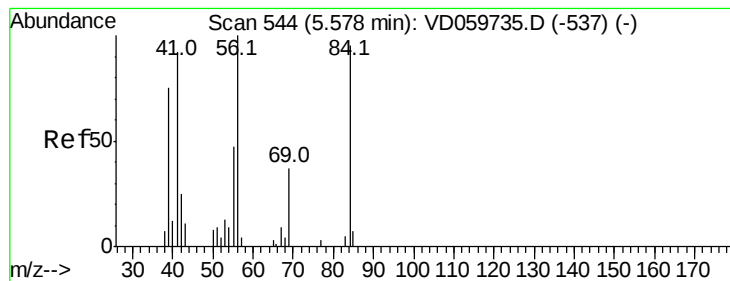
2000

1000

0

Time-->





#31

Cyclohexane

Concen: 2.213 ug/l

RT: 5.63 min Scan# 550

Delta R.T. 0.06 min

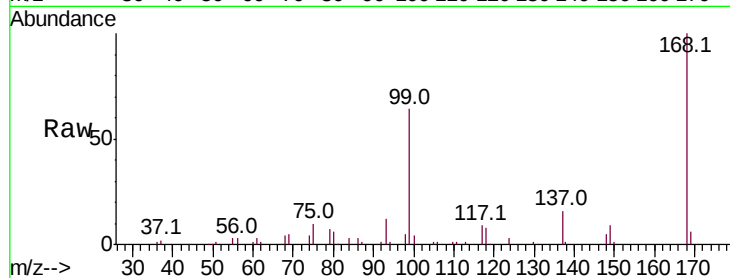
Lab File: VD059769.D

Acq: 14 Aug 2018 16:21

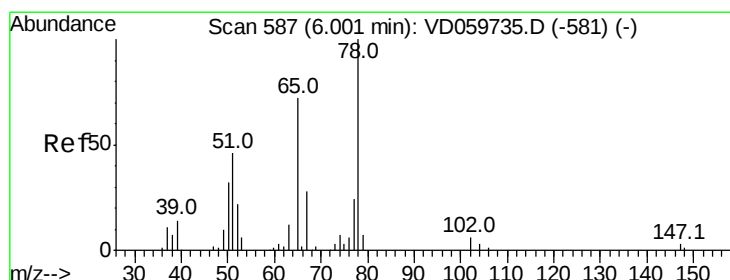
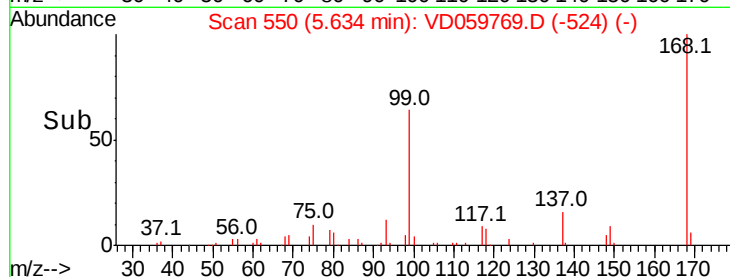
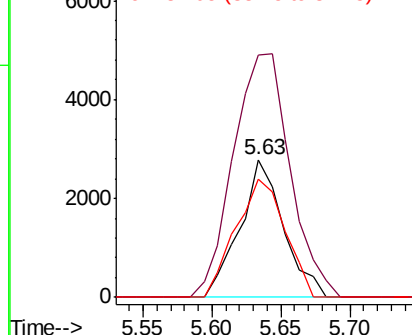
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 6132

Ion	Ratio	Lower	Upper
56	100		
69	176.3	29.3	43.9#
84	85.9	76.2	114.2



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: 6.01 min Scan# 588

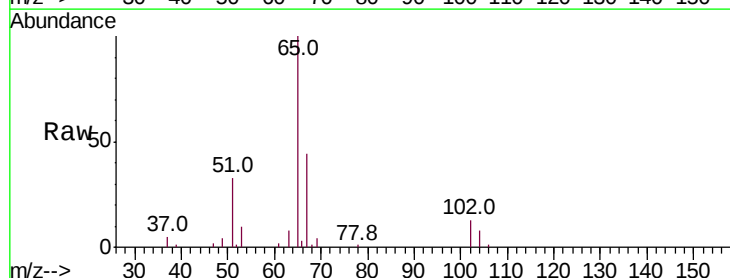
Delta R.T. 0.01 min

Lab File: VD059769.D

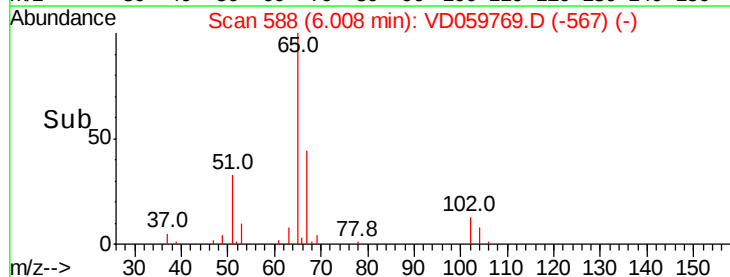
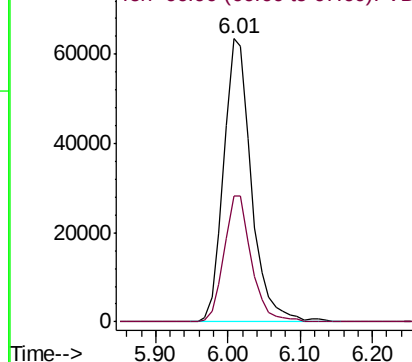
Acq: 14 Aug 2018 16:21

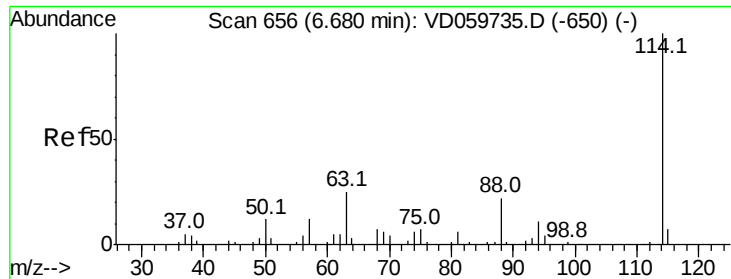
Tgt Ion: 65 Resp: 168460

Ion	Ratio	Lower	Upper
65	100		
67	44.4	0.0	77.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

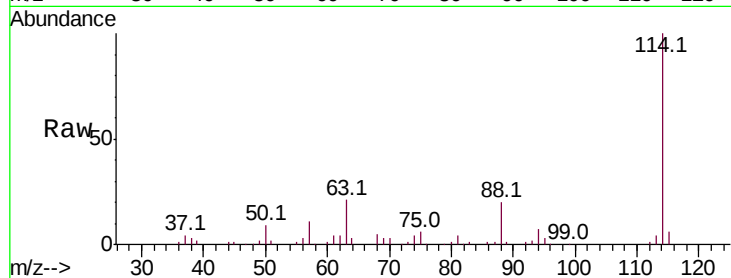




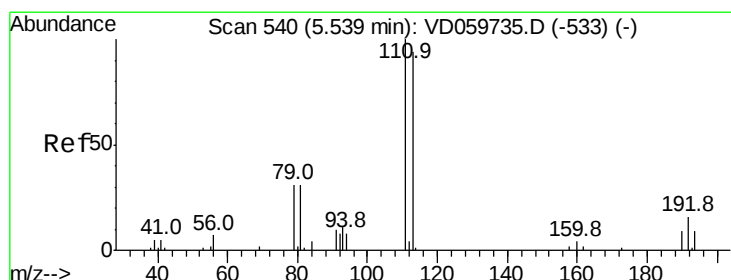
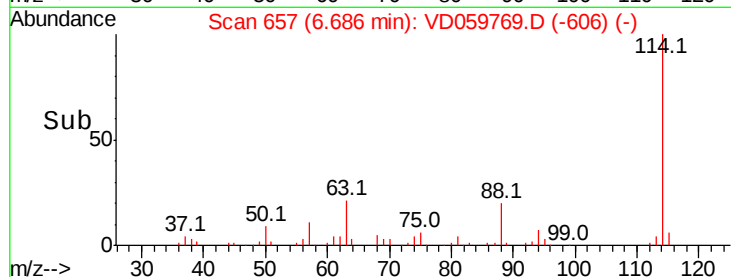
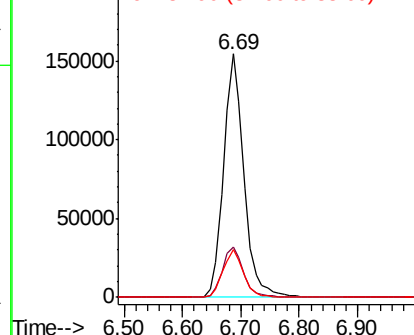
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059769.D
 Acq: 14 Aug 2018 16:21

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	50.6
88	19.7	0.0	43.4

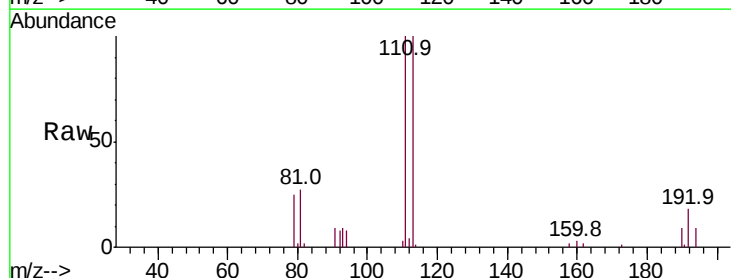


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

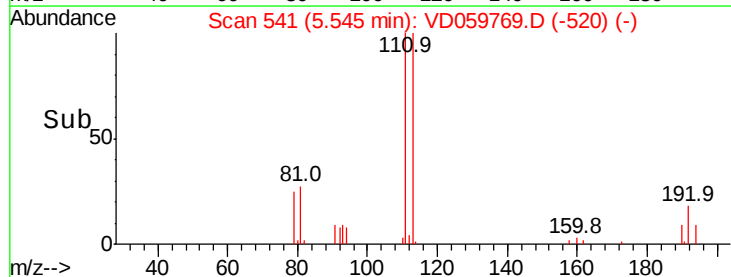
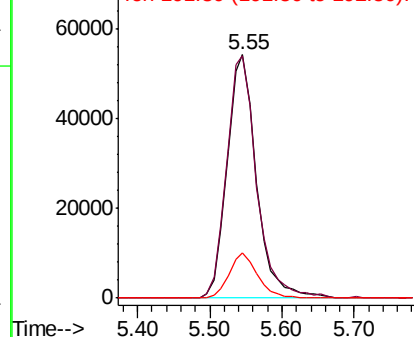


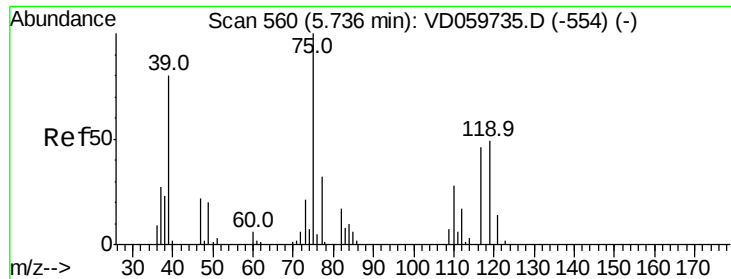
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.55 min Scan# 541
 Delta R.T. 0.01 min
 Lab File: VD059769.D
 Acq: 14 Aug 2018 16:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.7	85.3	127.9
192	18.4	13.9	20.9



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

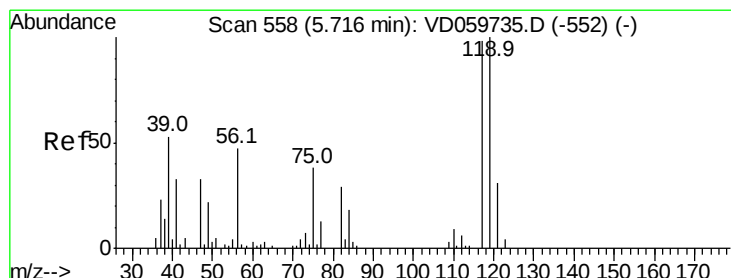
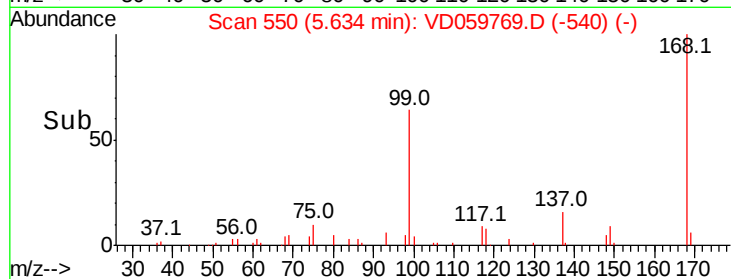
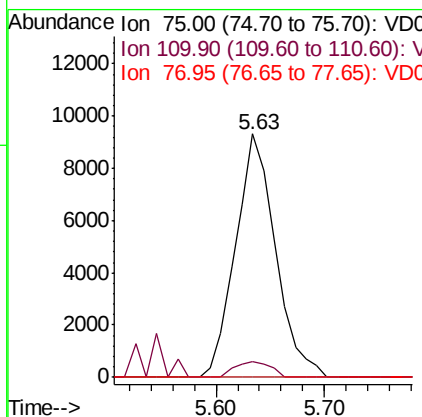
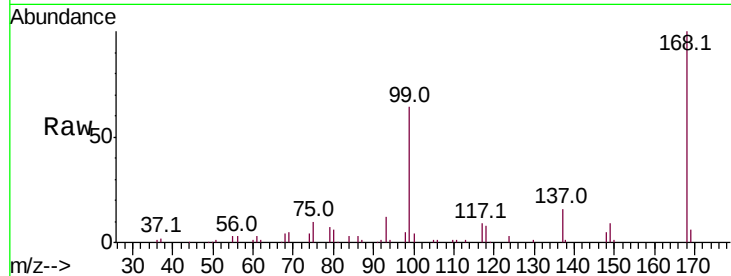




#36
 1,1-Dichloropropene
 Concen: 5.507 ug/l
 RT: 5.63 min Scan# 550
 Delta R.T. -0.10 min
 Lab File: VD059769.D
 Acq: 14 Aug 2018 16:21

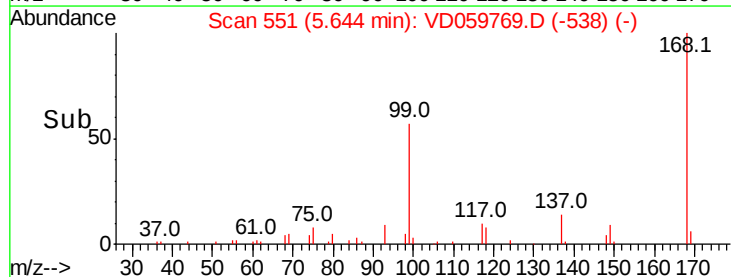
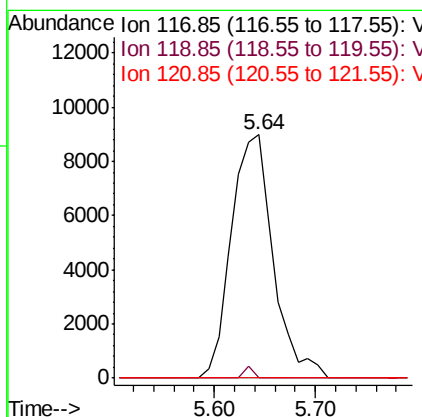
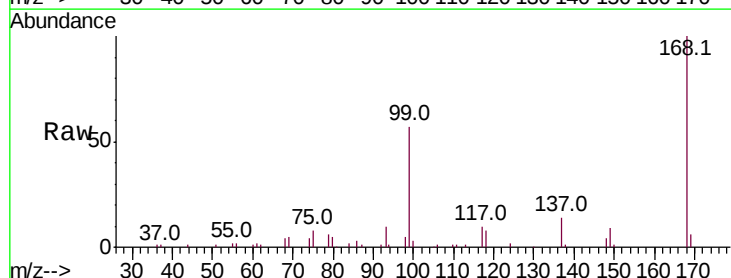
Instrument :
 MSVOA_D
 ClientSampleId :

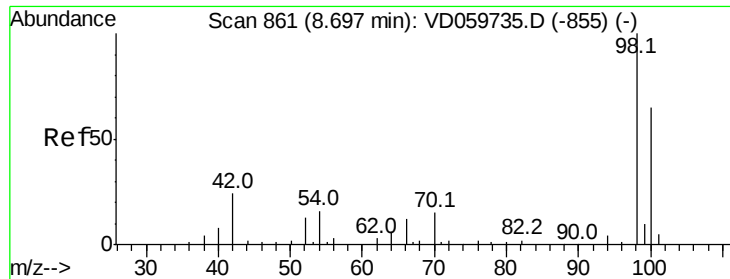
Tot Ion: 75 Resp: 23799
 Ion Ratio Lower Upper
 75 100
 110 6.4 13.7 41.0#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 3.807 ug/l
 RT: 5.64 min Scan# 551
 Delta R.T. -0.07 min
 Lab File: VD059769.D
 Acq: 14 Aug 2018 16:21

Tgt Ion: 117 Resp: 25887
 Ion Ratio Lower Upper
 117 100
 119 0.0 78.2 117.2#
 121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD059769.D

Acq: 14 Aug 2018 16:21

Instrument :

MSVOA_D

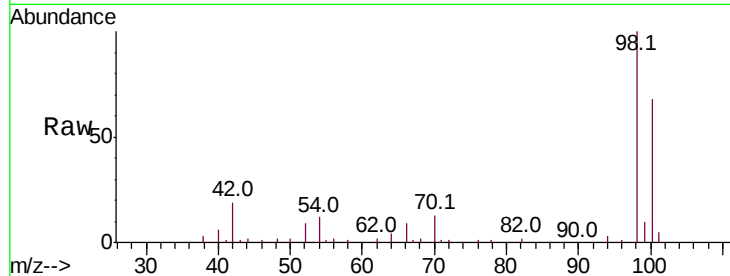
ClientSampleId :

Tot Ion: 98 Resp: 350521

Ion Ratio Lower Upper

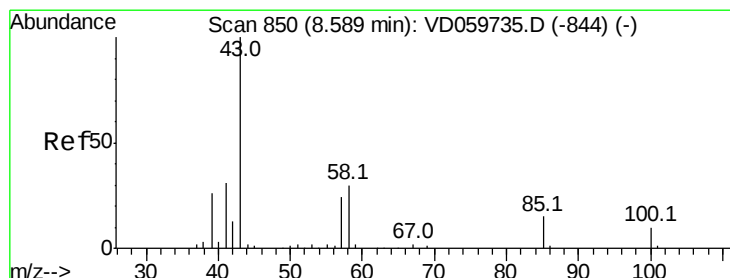
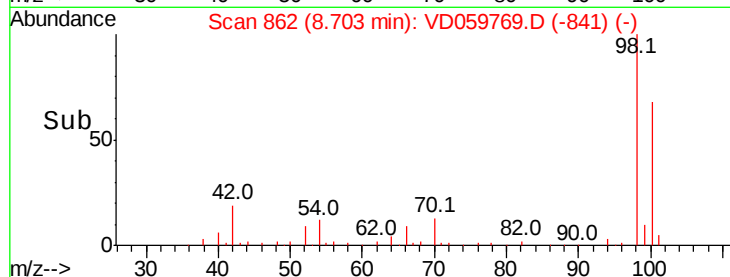
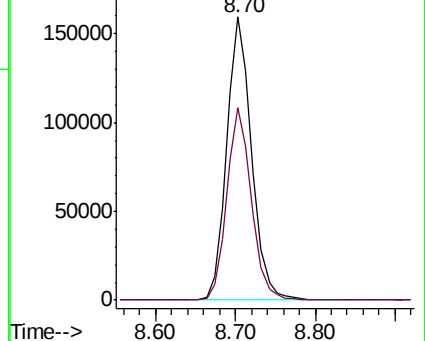
98 100

100 68.1 52.2 78.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.015 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.11 min

Lab File: VD059769.D

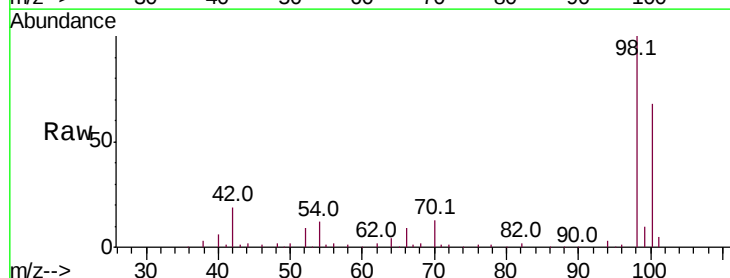
Acq: 14 Aug 2018 16:21

Tgt Ion: 43 Resp: 1873

Ion Ratio Lower Upper

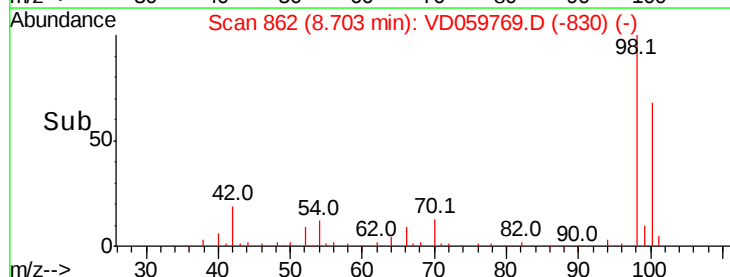
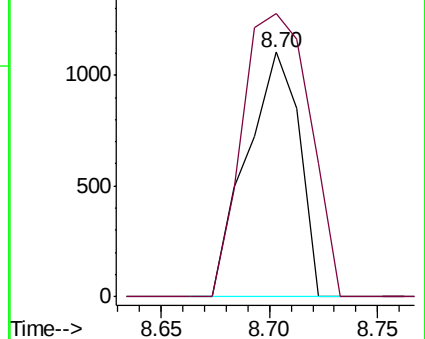
43 100

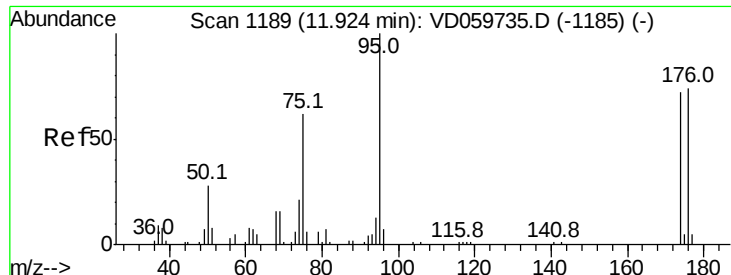
58 115.8 24.3 36.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

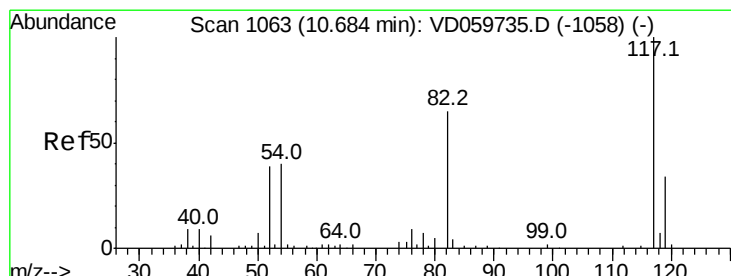
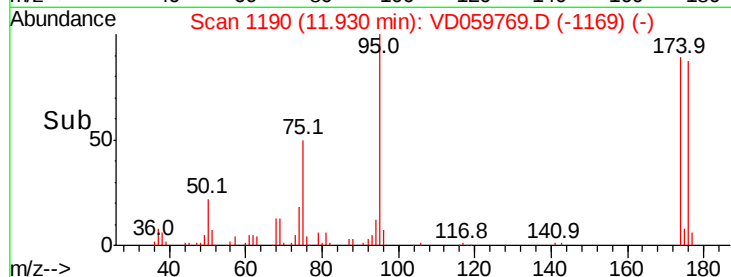
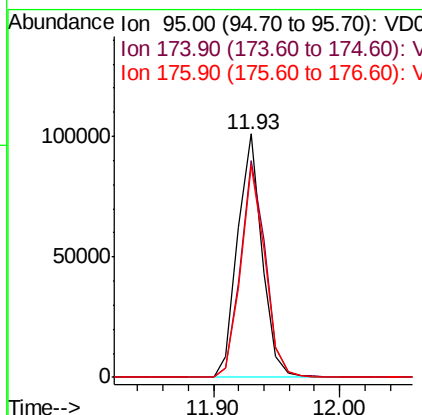
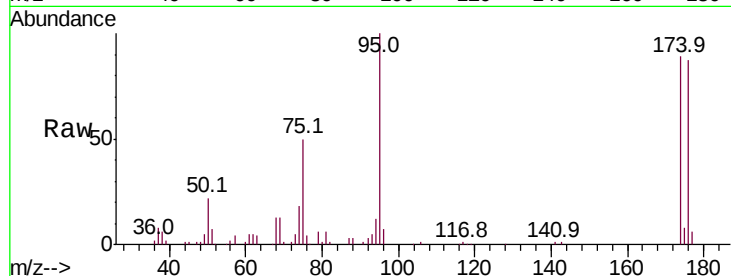




#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 11.93 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD059769.D
 Acq: 14 Aug 2018 16:21

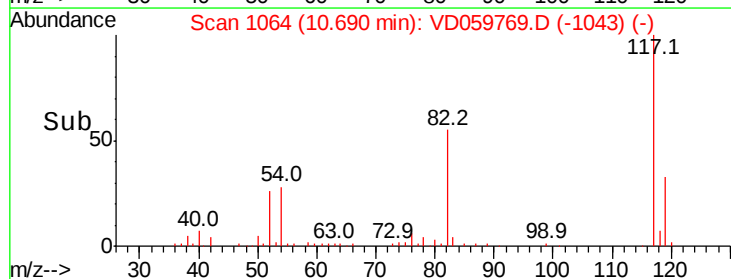
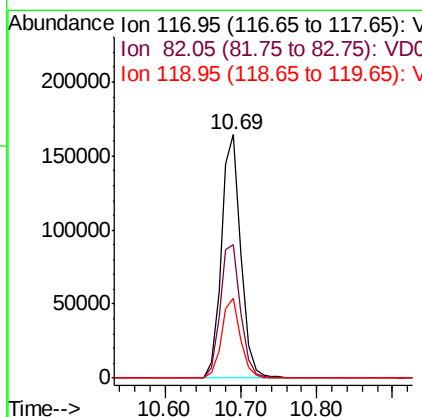
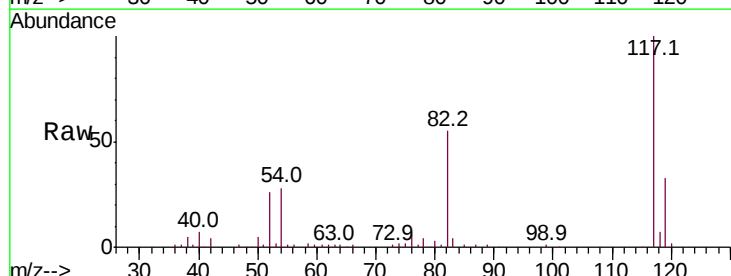
Instrument :
 MSVOA_D
 ClientSampleId :

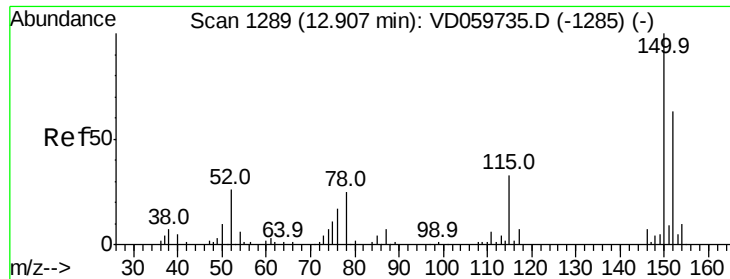
Tot Ion	95	Resp	134045
Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	143.2
176	86.8	0.0	147.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.69 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VD059769.D
 Acq: 14 Aug 2018 16:21

Tgt Ion	117	Resp	292171
Ion	Ratio	Lower	Upper
117	100		
82	54.7	51.9	77.9
119	32.7	27.4	41.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VD059769.D

Acq: 14 Aug 2018 16:21

Instrument :

MSVOA_D

ClientSampleId :

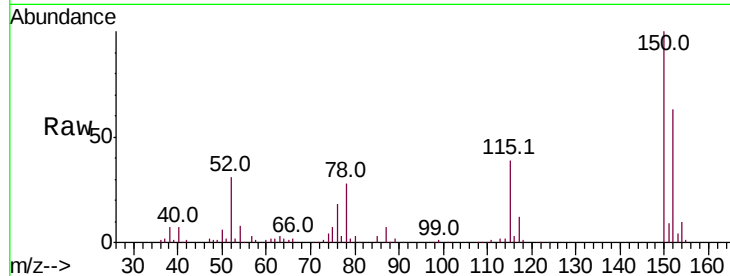
Tot Ion:152 Resp: 137145

Ion Ratio Lower Upper

152 100

115 61.2 29.8 89.3

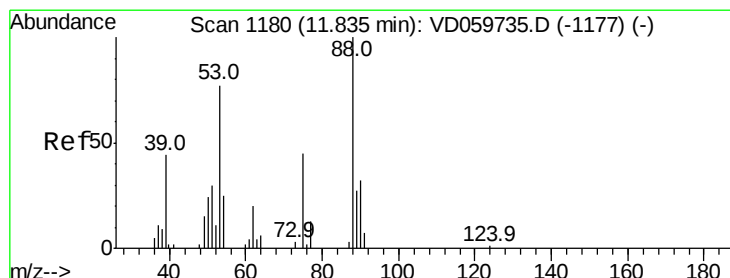
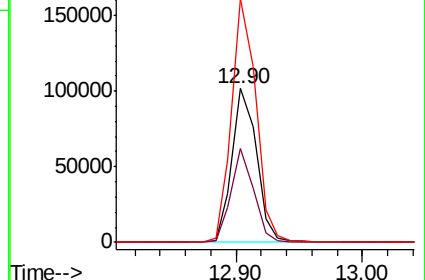
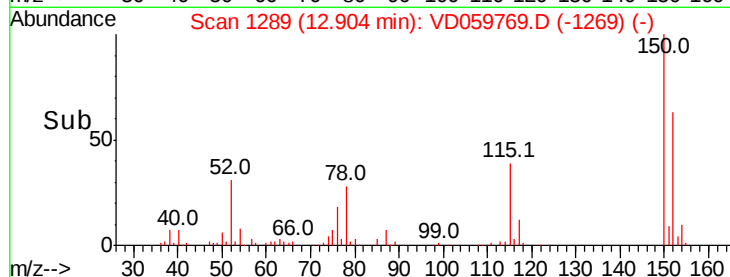
150 158.3 0.0 320.4



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: 148.031 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.09 min

Lab File: VD059769.D

Acq: 14 Aug 2018 16:21

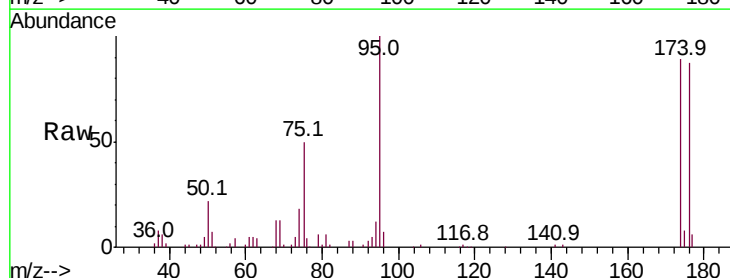
Tgt Ion: 75 Resp: 67643

Ion Ratio Lower Upper

75 100

53 0.0 137.5 206.3#

89 0.0 48.3 72.5#



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

