

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061518\
 Data File : VD058169.D
 Acq On : 15 Jun 2018 23:14
 Operator : VA/AP
 Sample : J3518-02
 Misc : 6.55g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 16 00:47:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	482297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	666511	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	497038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	165143	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	364231	75.54	ug/l	0.00
Spiked Amount			Recovery	=	151.08%	
35) Dibromofluoromethane	5.54	113	377675	73.24	ug/l	-0.02
Spiked Amount			Recovery	=	146.48%	
50) Toluene-d8	8.71	98	781367	63.73	ug/l	0.00
Spiked Amount			Recovery	=	127.46%	
62) 4-Bromofluorobenzene	11.93	95	261913	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	

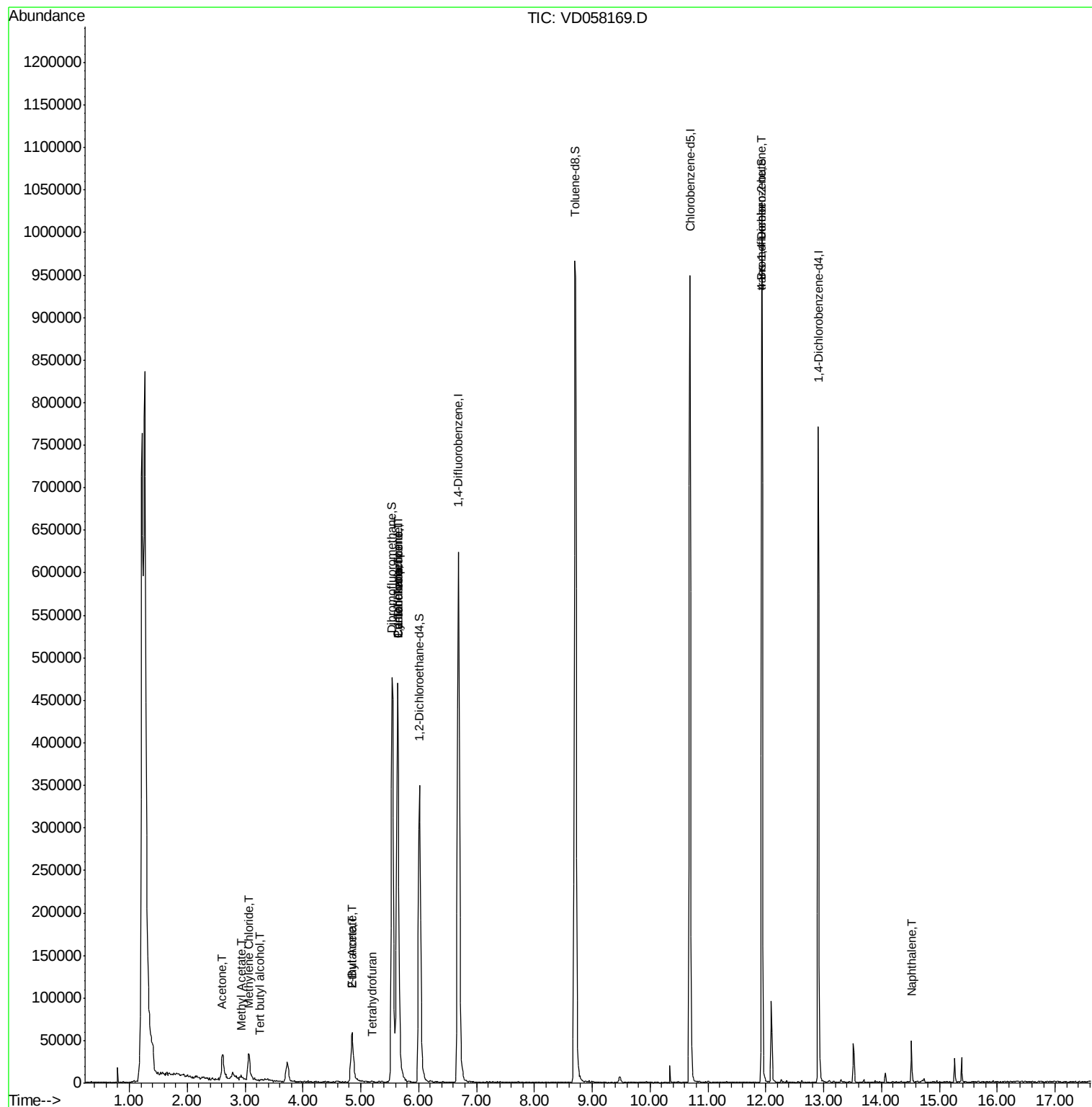
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.26	59	184	1.424	ug/l #	74
16) Acetone	2.61	43	66467	95.679	ug/l	99
18) Methyl Acetate	2.93	43	9344	6.953	ug/l	95
20) Methylene Chloride	3.06	84	16016	1.888	ug/l	87
25) 2-Butanone	4.84	43	9977	6.320	ug/l #	64
29) Tetrahydrofuran	5.19	42	1069	1.292	ug/l #	39
31) Cyclohexane	5.63	56	11773	1.404	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	39490	5.378	ug/l #	49
37) Ethyl Acetate	4.84	43	9977	2.490	ug/l #	62
38) Carbon Tetrachloride	5.64	117	36990	5.111	ug/l #	16
81) trans-1,4-Dichloro-2-buten	11.93	75	127389	207.329	ug/l #	6
82) 4-Chlorotoluene	12.16	91	414	Below Cal	#	50
89) n-Butylbenzene	13.19	91	282	Below Cal	#	30
95) Naphthalene	14.52	128	26581	4.986	ug/l	98

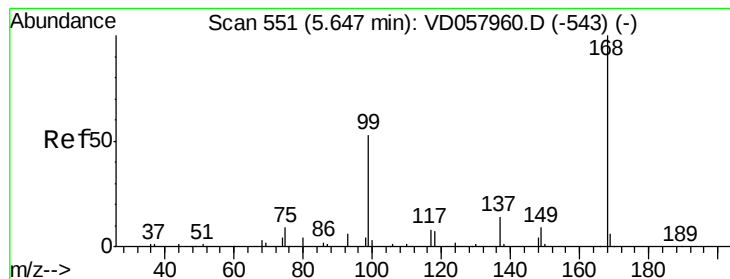
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061518\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

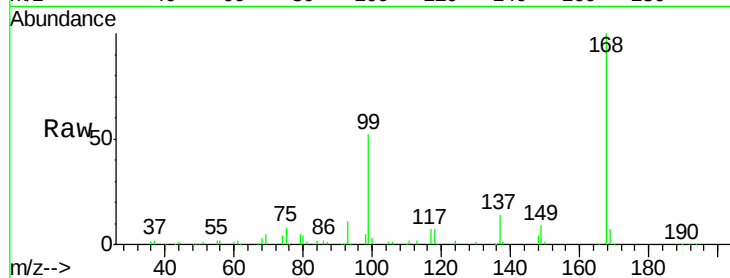
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 482297

Ion Ratio Lower Upper

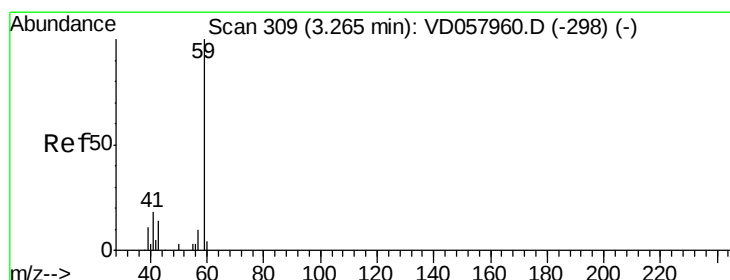
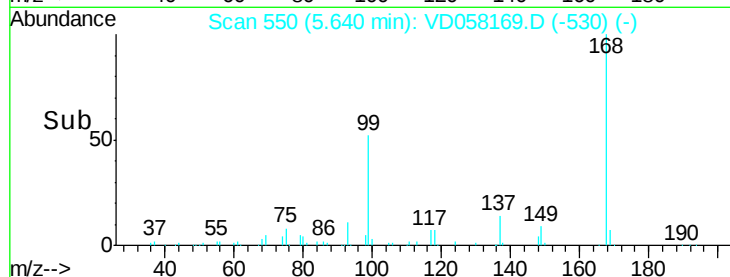
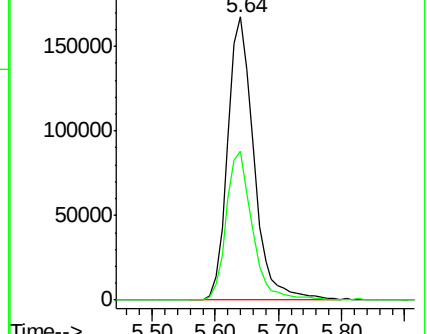
168 100

99 52.5 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.424 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058169.D

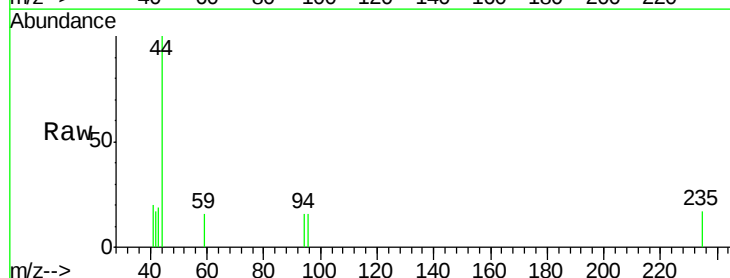
Acq: 15 Jun 2018 23:14

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

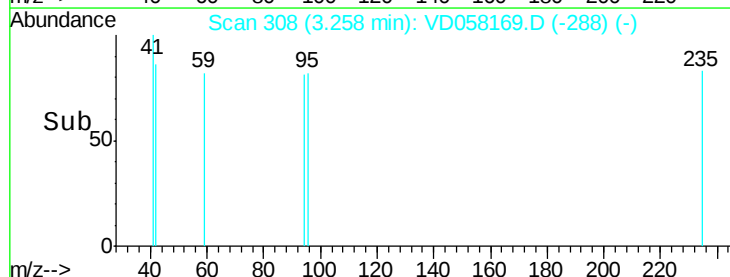
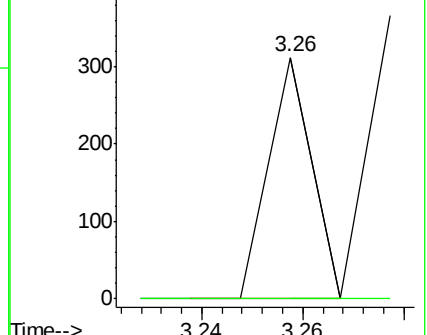
59 100

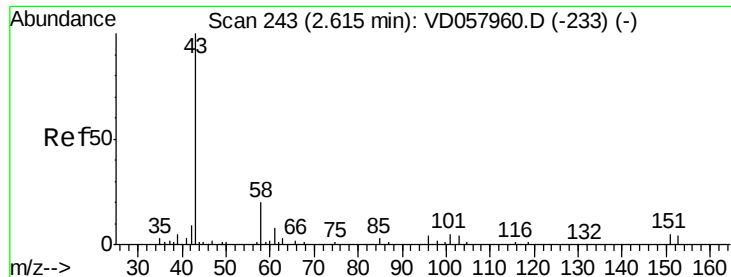
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 95.679 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

Instrument :

MSVOA_D

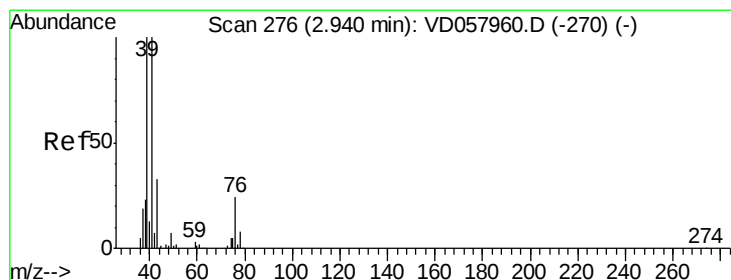
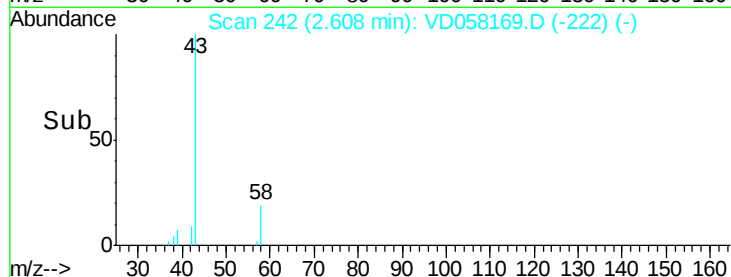
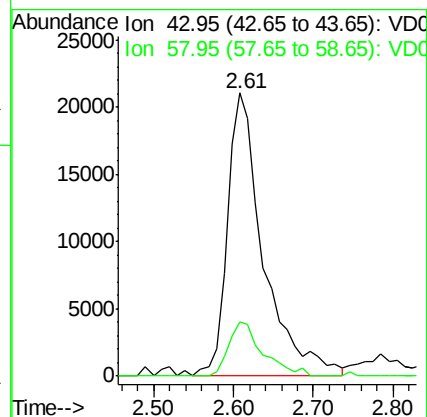
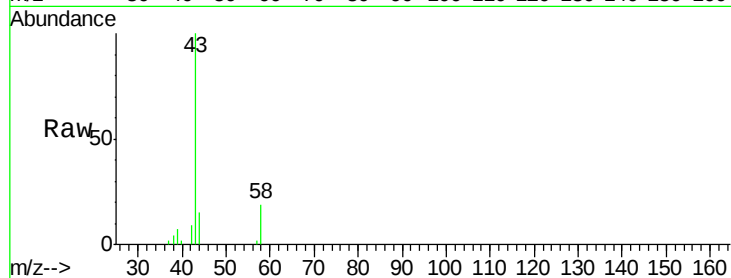
ClientSampleId :

Tot Ion: 43 Resp: 66467

Ion Ratio Lower Upper

43 100

58 19.4 15.8 23.8



#18

Methyl Acetate

Concen: 6.953 ug/l

RT: 2.93 min Scan# 275

Delta R.T. -0.01 min

Lab File: VD058169.D

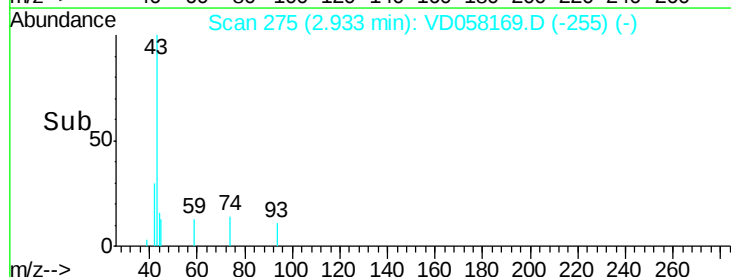
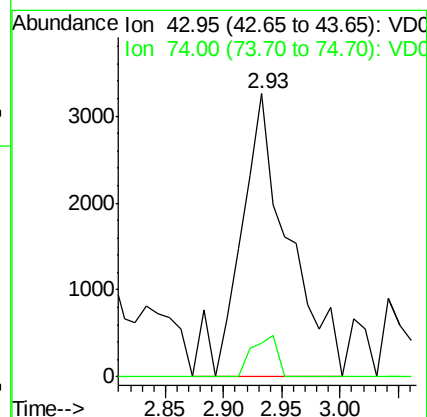
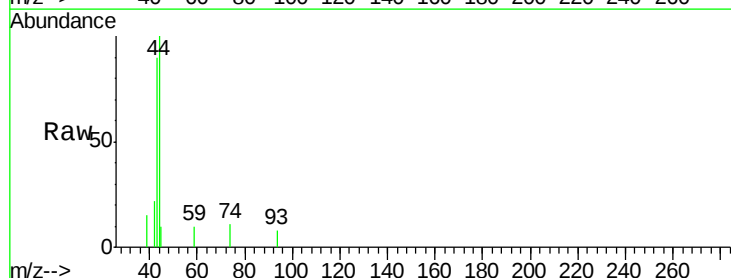
Acq: 15 Jun 2018 23:14

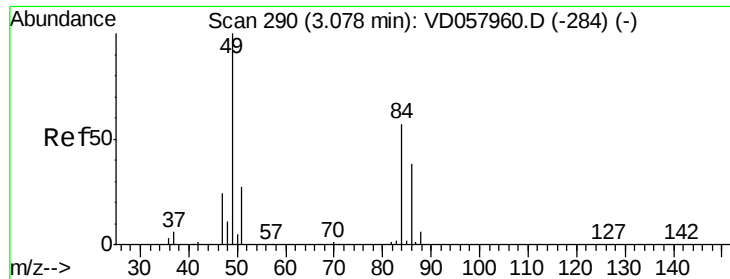
Tgt Ion: 43 Resp: 9344

Ion Ratio Lower Upper

43 100

74 11.9 11.2 16.8

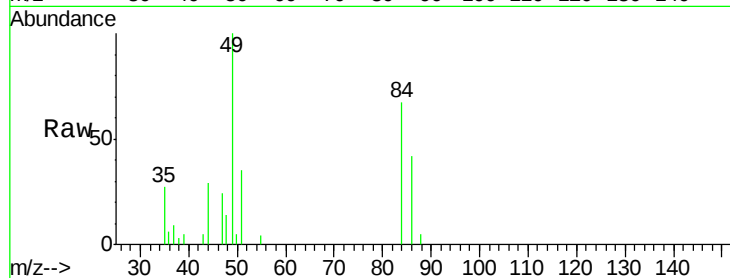




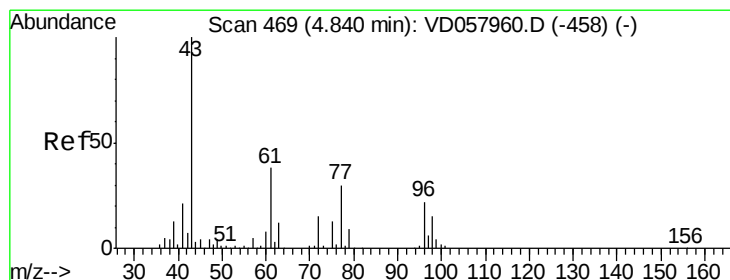
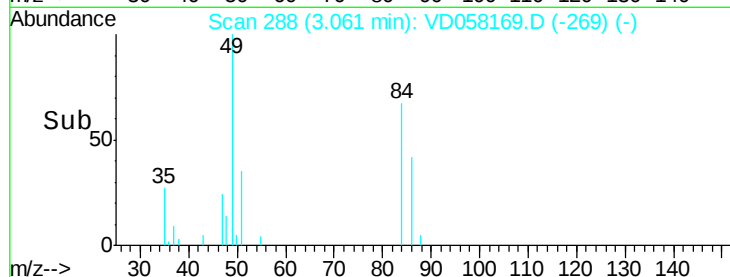
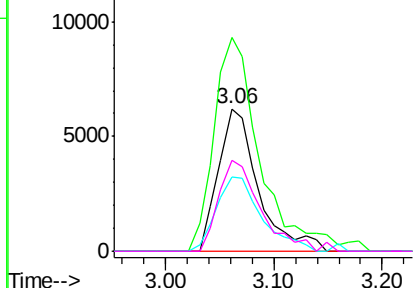
#20
Methvlene Chloride
Concen: 1.888 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.02 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 16016
Ion Ratio Lower Upper
84 100
49 149.9 141.4 212.0
51 52.6 38.3 57.5
86 63.7 52.9 79.3

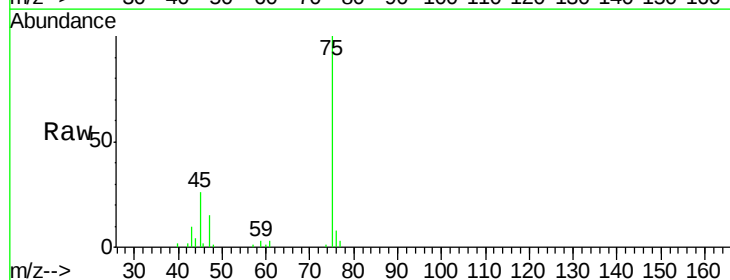


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

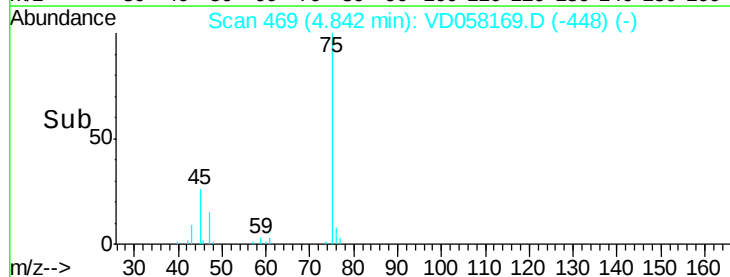
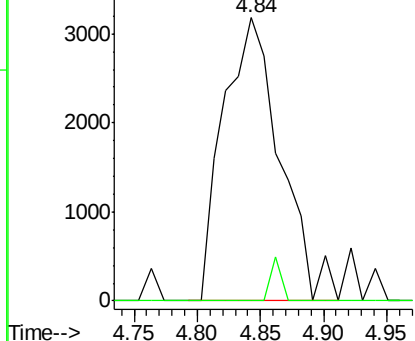


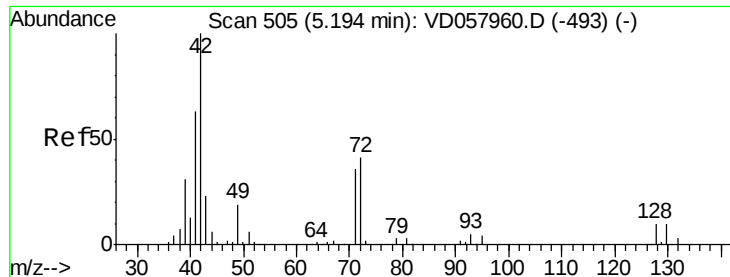
#25
2-Butanone
Concen: 6.320 ug/l
RT: 4.84 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Tgt Ion: 43 Resp: 9977
Ion Ratio Lower Upper
43 100
72 0.0 12.0 18.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

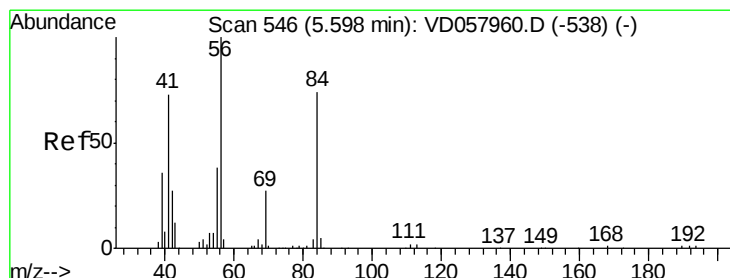
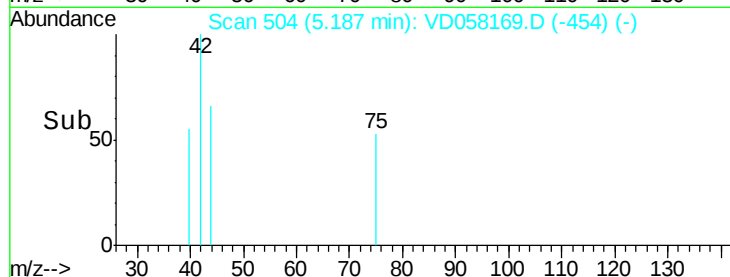
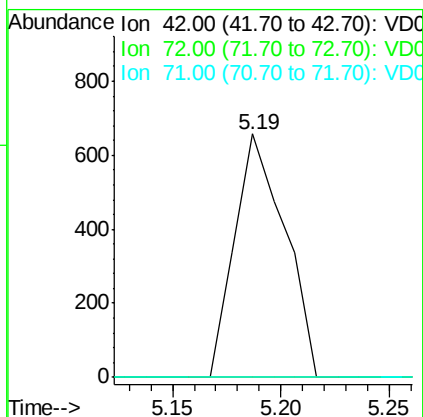
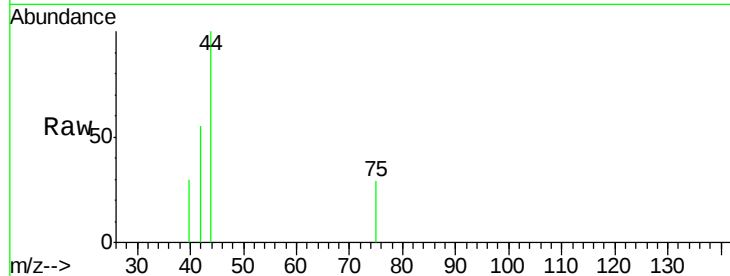




#29
Tetrahydrofuran
Concen: 1.292 ug/l
RT: 5.19 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

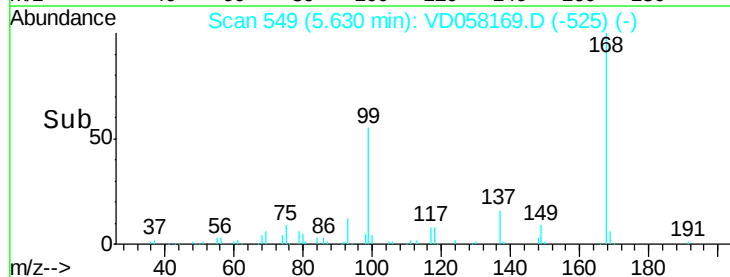
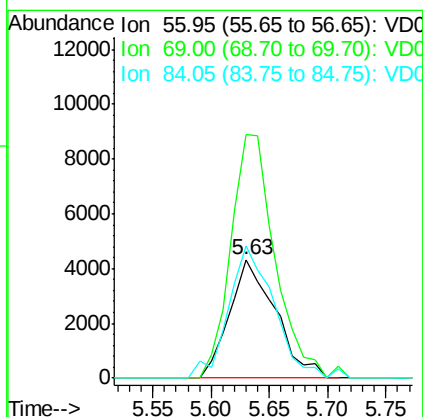
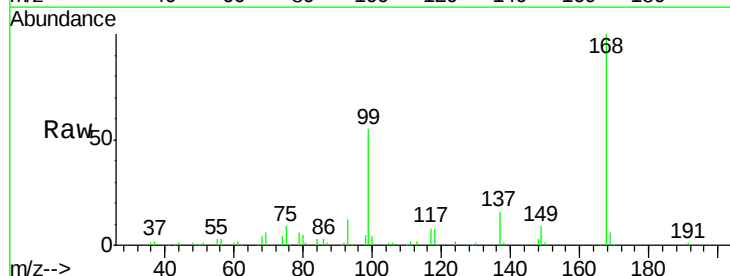
Instrument :
MSVOA_D
ClientSampleId :

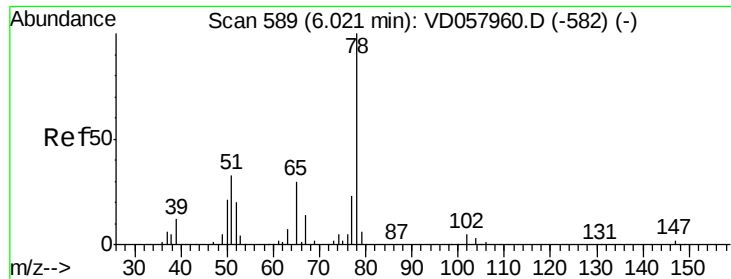
Tot Ion: 42 Resp: 1069
Ion Ratio Lower Upper
42 100
72 0.0 28.5 42.7#
71 0.0 27.9 41.9#



#31
Cyclohexane
Concen: 1.404 ug/l
RT: 5.63 min Scan# 549
Delta R.T. 0.03 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Tgt Ion: 56 Resp: 11773
Ion Ratio Lower Upper
56 100
69 205.1 21.5 32.3#
84 111.5 61.0 91.6#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

Instrument :

MSVOA_D

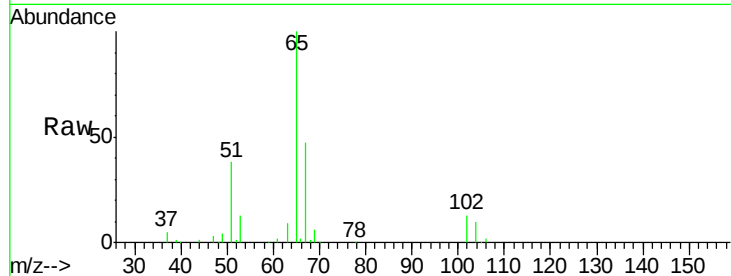
ClientSampleId :

Tot Ion: 65 Resp: 364231

Ion Ratio Lower Upper

65 100

67 47.1 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.01

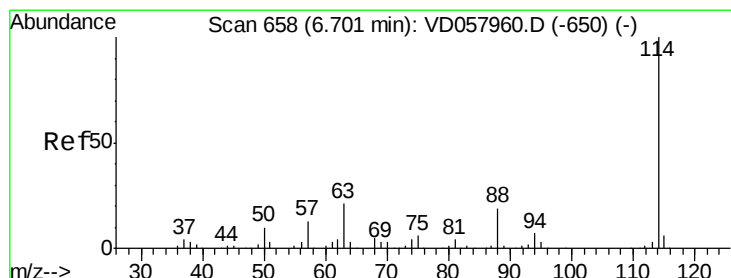
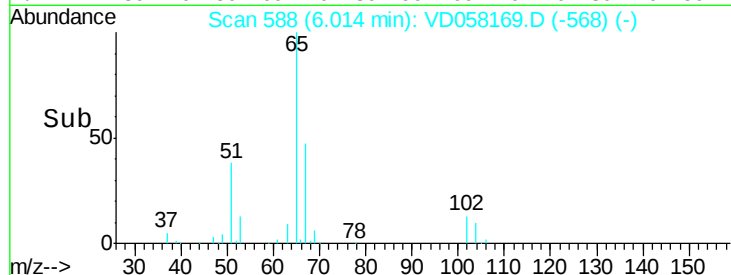
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

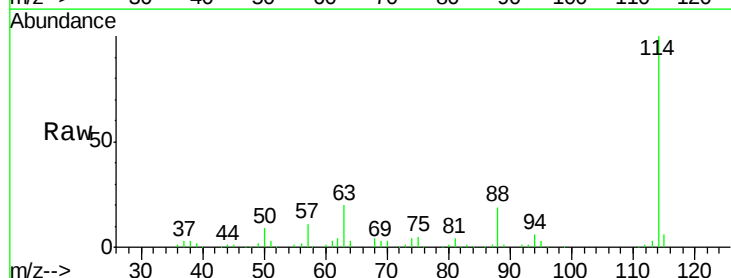
Tgt Ion:114 Resp: 666511

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.8

88 19.4 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.69

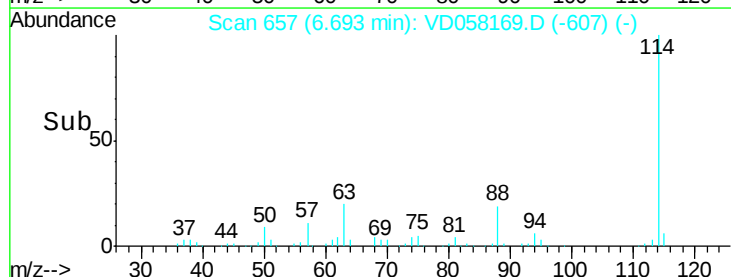
300000

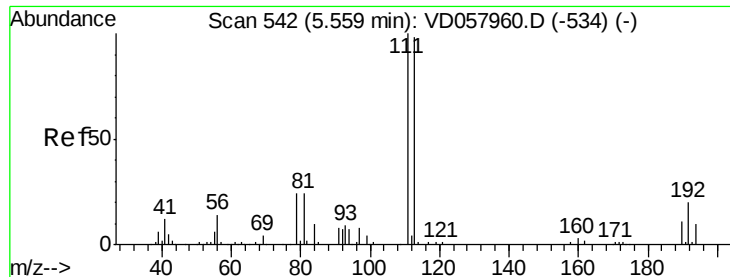
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

Instrument :
MSVOA_D
ClientSampleId :

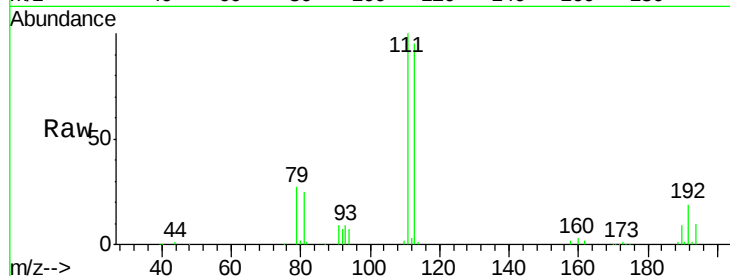
Tot Ion:113 Resp: 377675

Ion Ratio Lower Upper

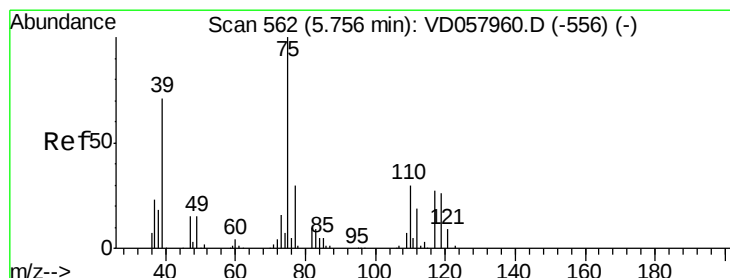
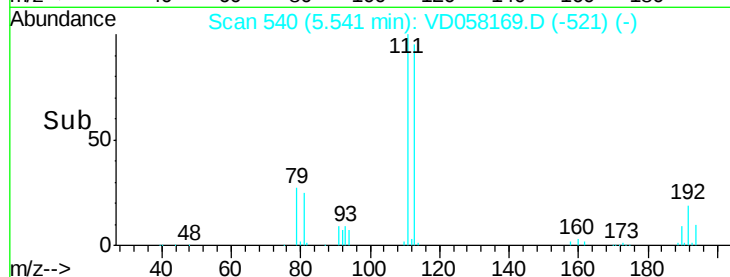
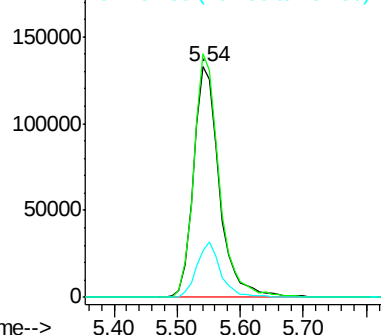
113 100

111 105.6 81.5 122.3

192 20.3 16.4 24.6



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: 5.378 ug/l

RT: 5.63 min Scan# 549

Delta R.T. -0.13 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

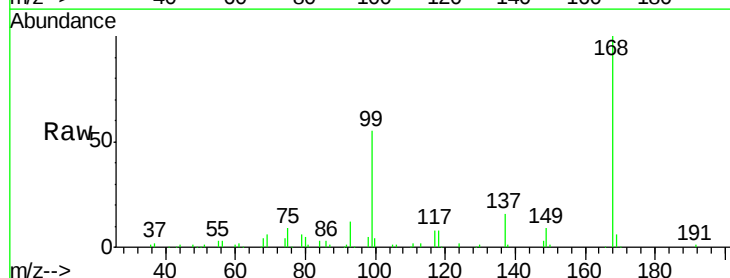
Tgt Ion: 75 Resp: 39490

Ion Ratio Lower Upper

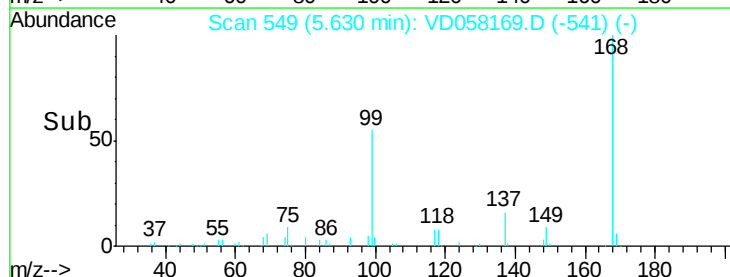
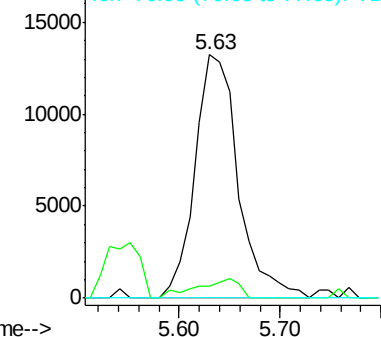
75 100

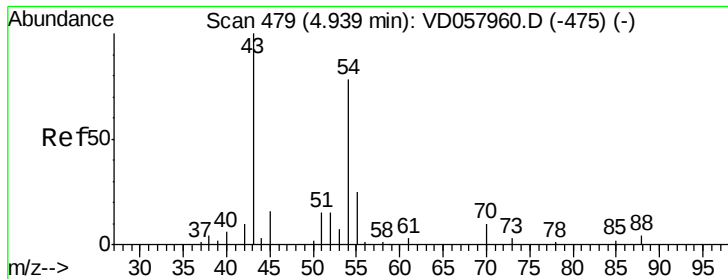
110 4.9 14.8 44.3#

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





#37

Ethyl Acetate

Concen: 2.490 ug/l

RT: 4.84 min Scan# 469

Delta R.T. -0.10 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

Instrument :
MSVOA_D
ClientSampleId :

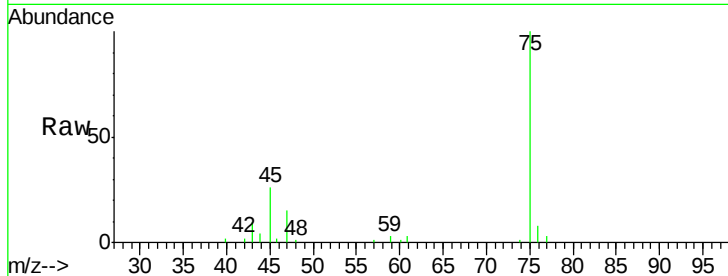
Tot Ion: 43 Resp: 9977

Ion Ratio Lower Upper

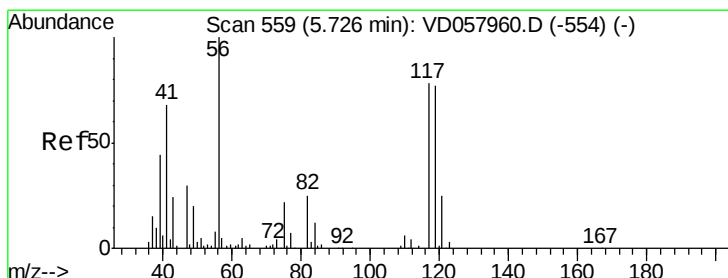
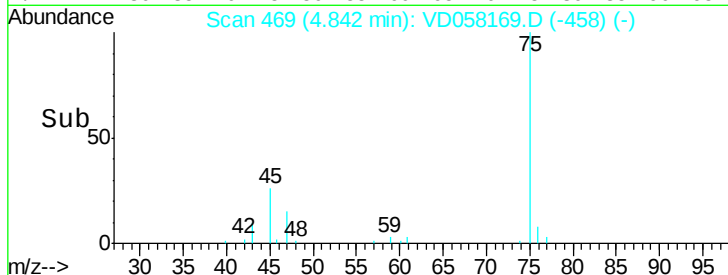
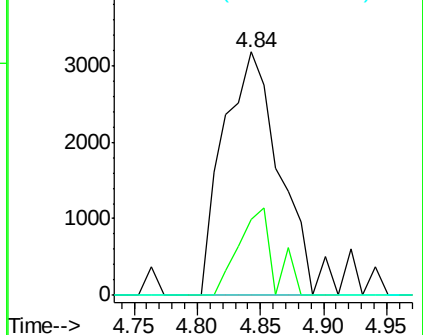
43 100

61 31.4 9.9 14.9#

70 0.0 5.7 8.5#



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: 5.111 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

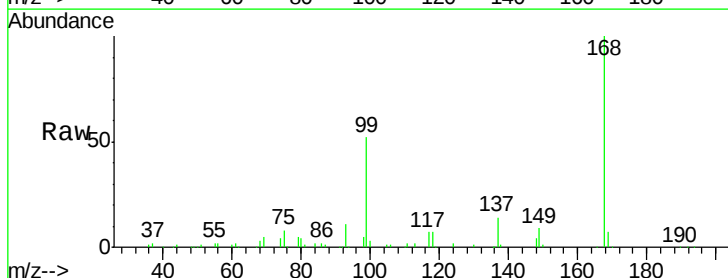
Tgt Ion: 117 Resp: 36990

Ion Ratio Lower Upper

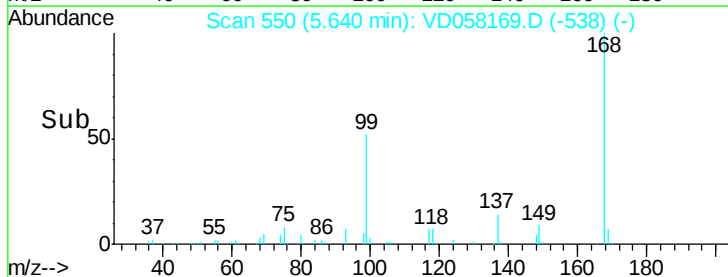
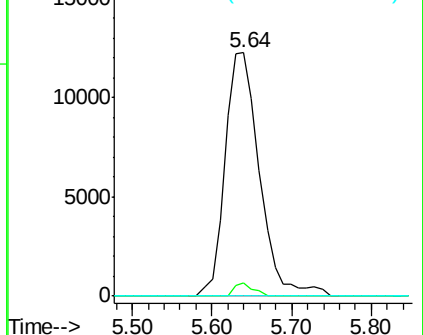
117 100

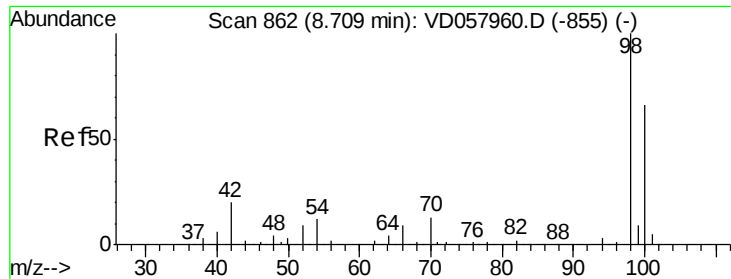
119 5.3 76.1 114.1#

121 0.0 24.9 37.3#



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

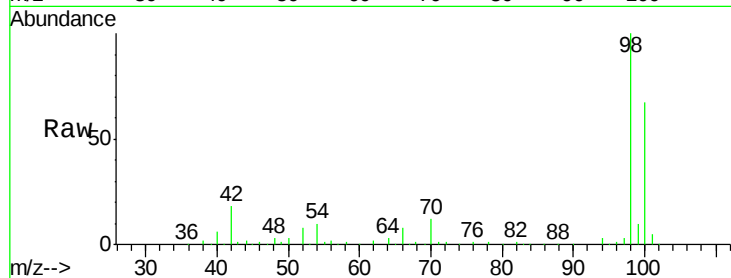




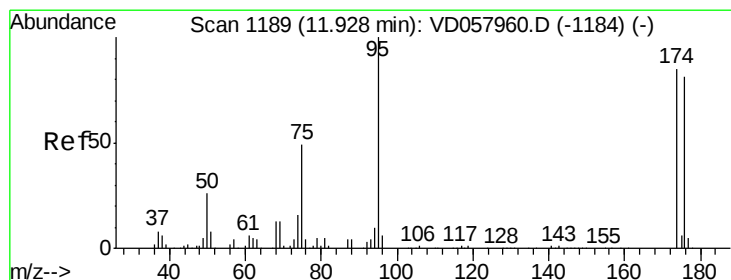
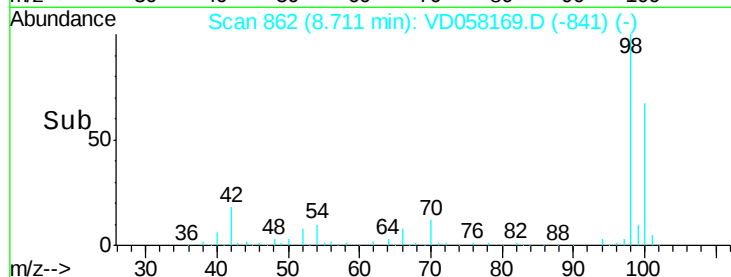
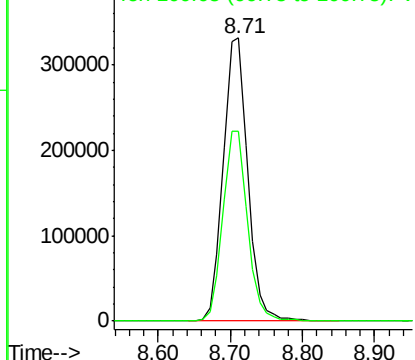
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.71 min Scan# 862
Delta R.T. 0.00 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 781367
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0

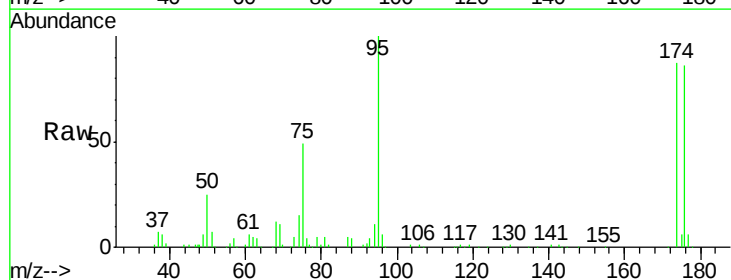


Abundance Ion 98.05 (97.75 to 98.75): VD058169.D (-841) (-)
Ion 100.05 (99.75 to 100.75): VD058169.D (-841) (-)

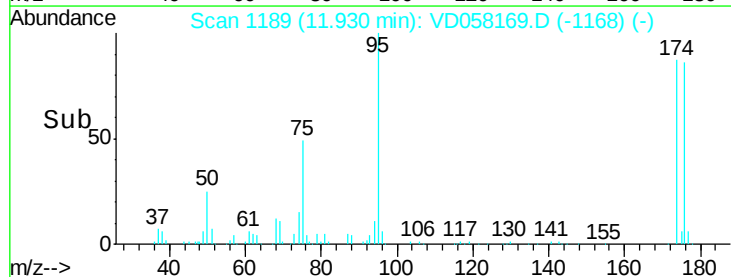
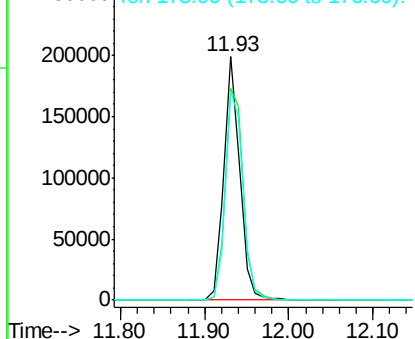


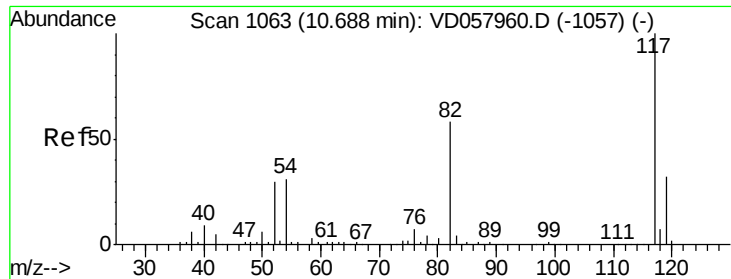
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Tgt Ion: 95 Resp: 261913
Ion Ratio Lower Upper
95 100
174 86.7 0.0 169.4
176 86.0 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD058169.D (-1168) (-)
Ion 173.90 (173.60 to 174.60): VD058169.D (-1168) (-)
Ion 175.90 (175.60 to 176.60): VD058169.D (-1168) (-)

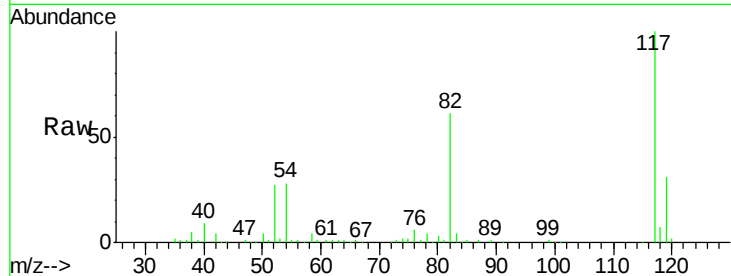




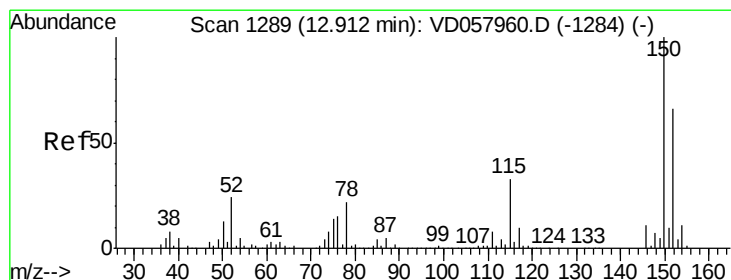
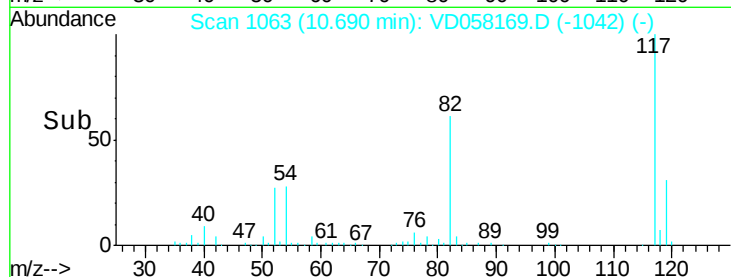
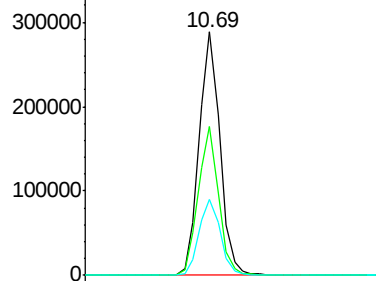
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 497038
Ion Ratio Lower Upper
117 100
82 61.1 46.8 70.2
119 31.4 25.8 38.6

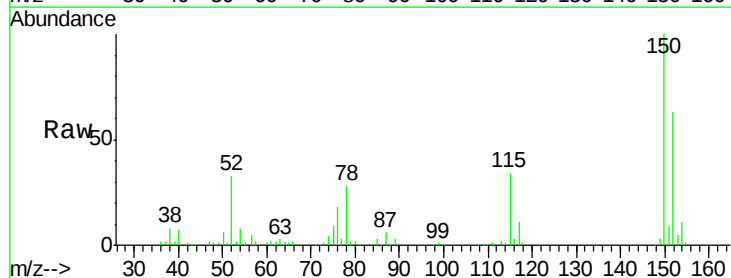


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

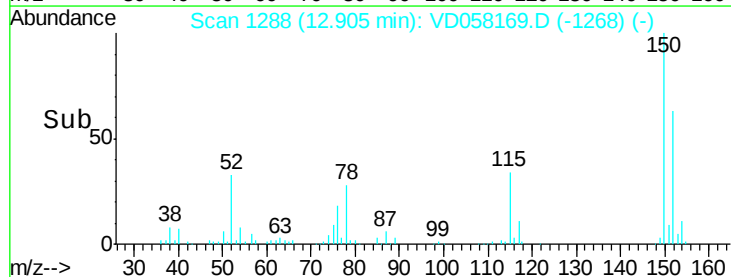
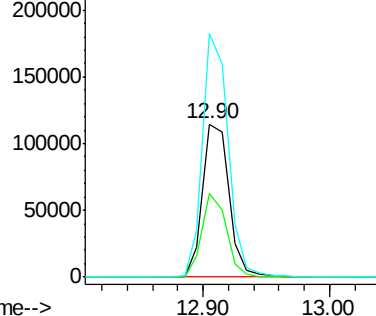


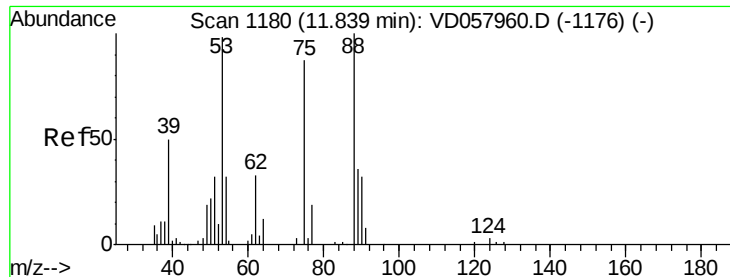
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058169.D
Acq: 15 Jun 2018 23:14

Tgt Ion:152 Resp: 165143
Ion Ratio Lower Upper
152 100
115 54.6 25.6 76.6
150 159.1 0.0 306.8



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: 207.329 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

Instrument :

MSVOA_D

ClientSampleId :

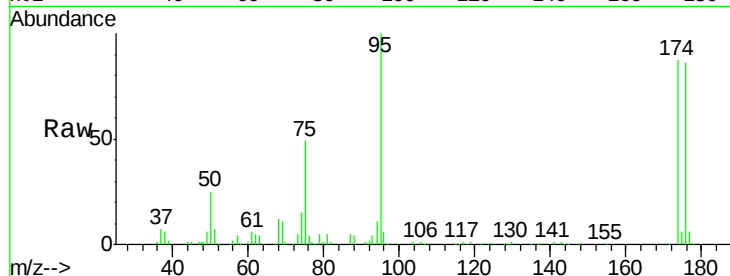
Tot Ion: 75 Resp: 127389

Ion Ratio Lower Upper

75 100

53 0.0 89.3 133.9#

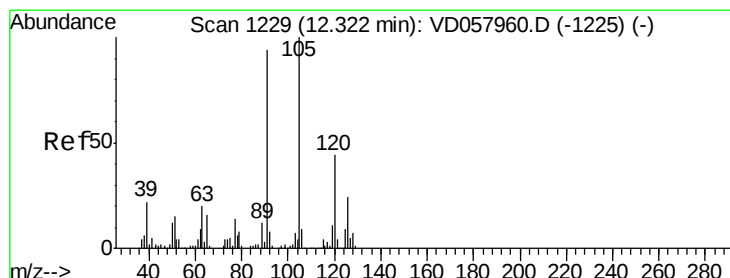
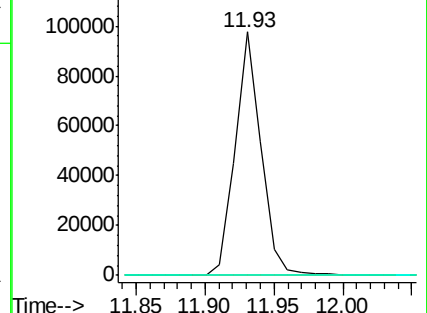
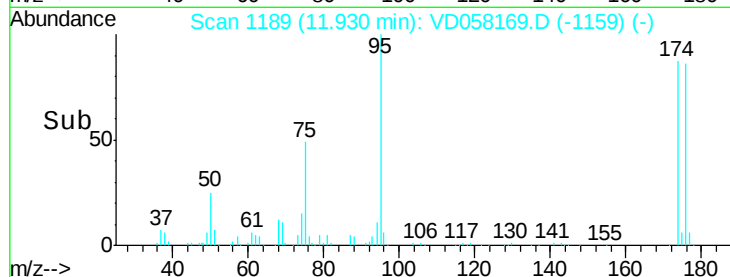
89 0.0 33.3 49.9#



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



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.16 min Scan# 1212

Delta R.T. -0.16 min

Lab File: VD058169.D

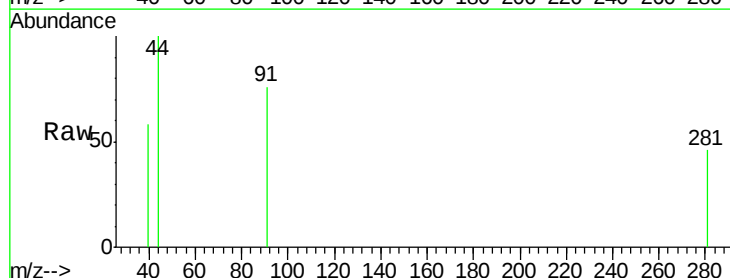
Acq: 15 Jun 2018 23:14

Tgt Ion: 91 Resp: 414

Ion Ratio Lower Upper

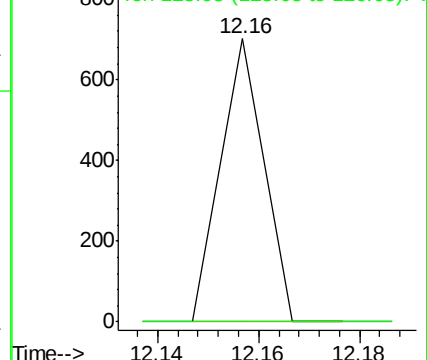
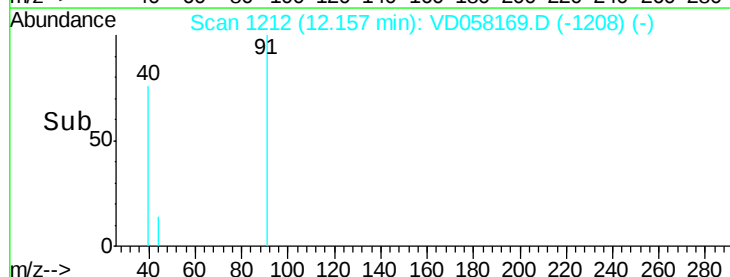
91 100

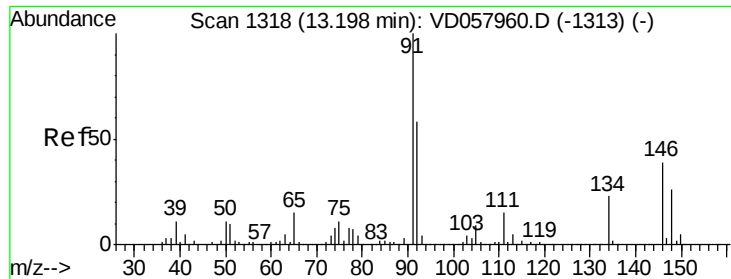
126 0.0 12.5 37.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

Instrument :

MSVOA_D

ClientSampleId :

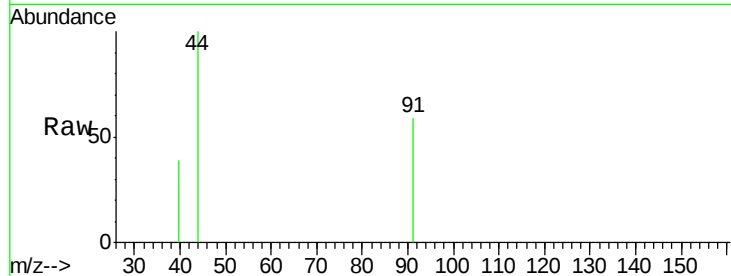
Tot Ion: 91 Resp: 282

Ion Ratio Lower Upper

91 100

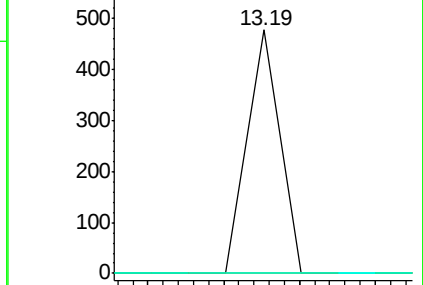
92 0.0 29.2 87.6#

134 0.0 11.3 33.9#

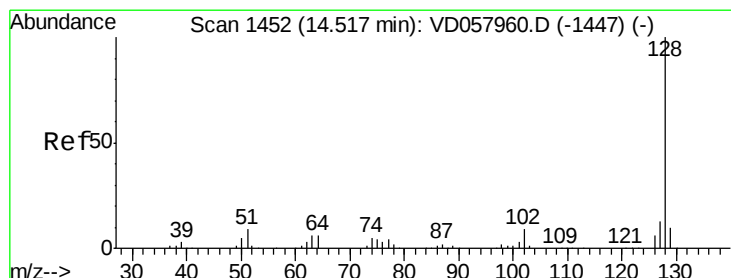
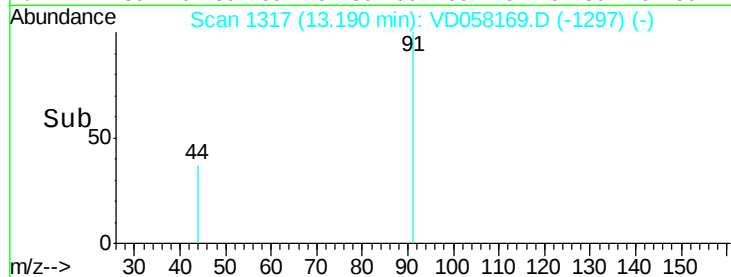


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

13.19



Time-->



#95

Naphthalene

Concen: 4.986 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058169.D

Acq: 15 Jun 2018 23:14

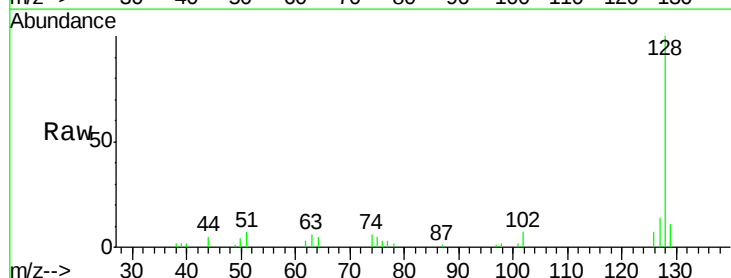
Tgt Ion:128 Resp: 26581

Ion Ratio Lower Upper

128 100

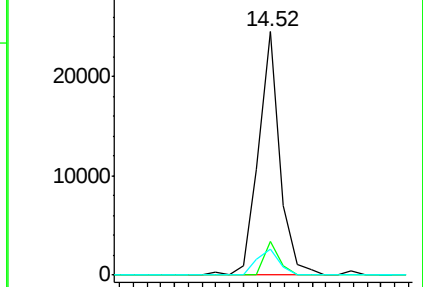
127 13.7 10.2 15.2

129 10.5 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

14.52



Time-->

