

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062818\
 Data File : VD059478.D
 Acq On : 28 Jun 2018 22:32
 Operator : VA/AP
 Sample : J3699-01RE
 Misc : 10.87g/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ZER-SB-04-1-2RE

Quant Time: Jun 29 02:29:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062518S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 07:29:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	543817	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.70	114	712366	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	495475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	151672	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	247145	44.44	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	88.88%	
35) Dibromofluoromethane	5.55	113	264923	45.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.32%	
50) Toluene-d8	8.71	98	506706	37.35	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	74.70%	
62) 4-Bromofluorobenzene	11.93	95	166623	29.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	59.06%	

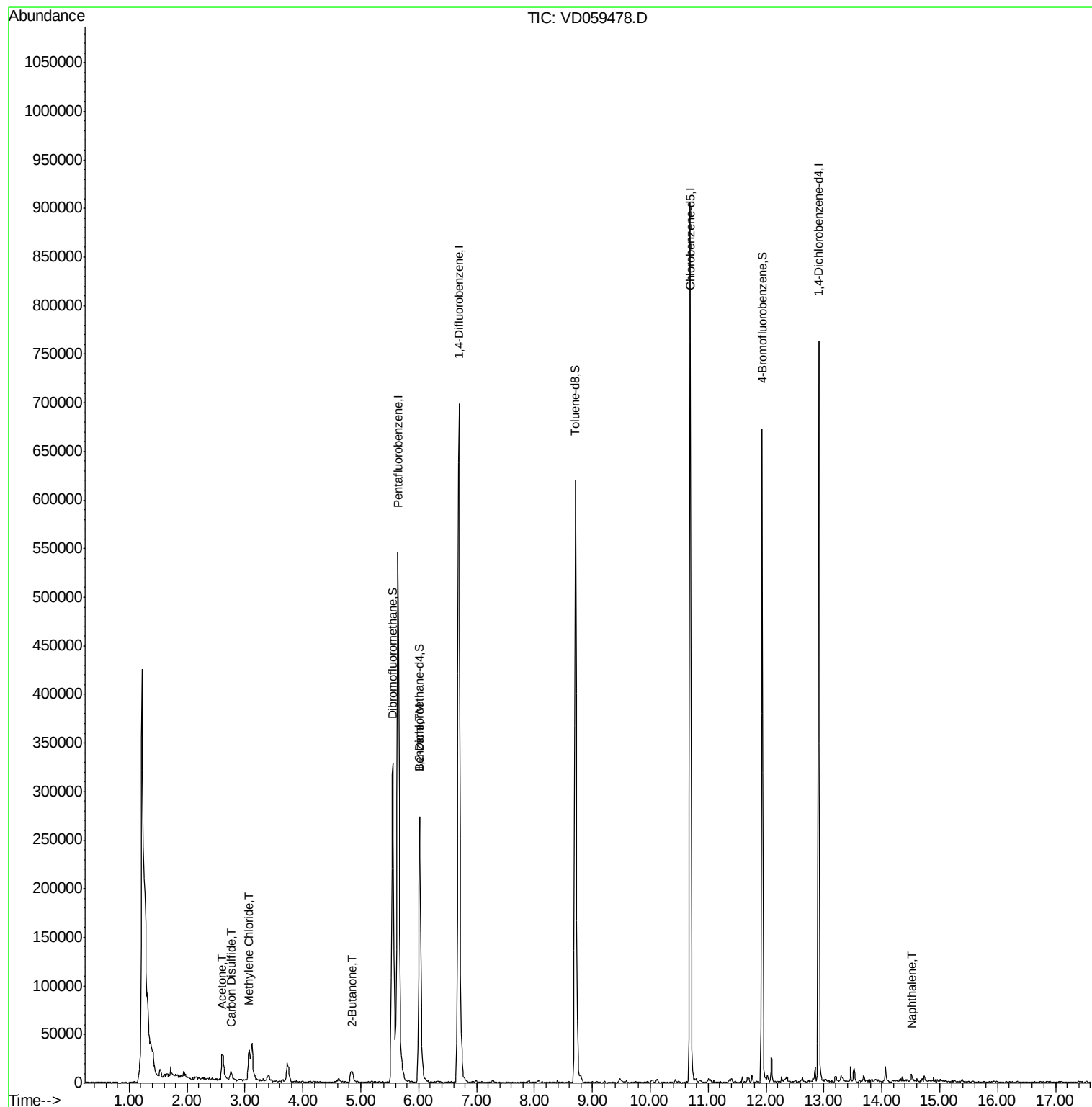
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	62059	88.42	ug/l	# 86
17) Carbon Disulfide	2.75	76	12903	2.35	ug/l	97
20) Methylene Chloride	3.06	84	12867	4.33	ug/l	83
25) 2-Butanone	4.84	43	17470	11.88	ug/l	96
40) Benzene	6.02	78	24022	1.55	ug/l	97
95) Naphthalene	14.51	128	6570	1.36	ug/l	# 94

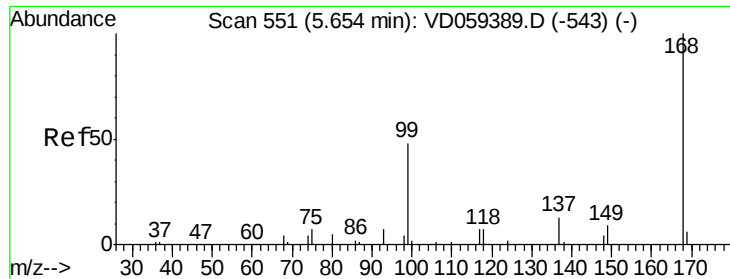
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 25 07:29:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Instrument :

MSVOA_D

ClientSampleId :

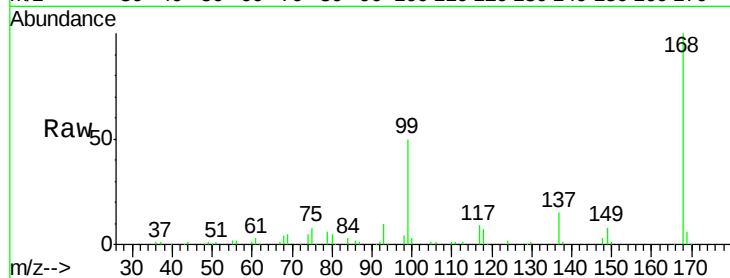
ZER-SB-04-1-2RE

Tot Ion:168 Resp: 543817

Ion Ratio Lower Upper

168 100

99 50.4 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

200000

150000

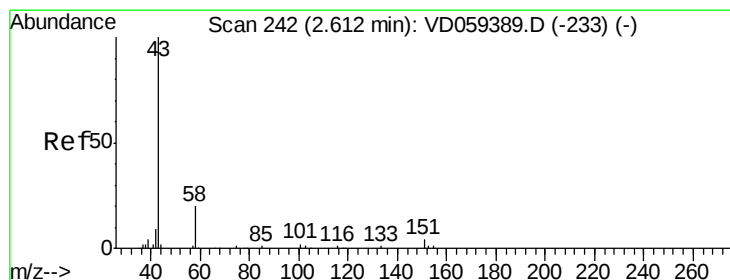
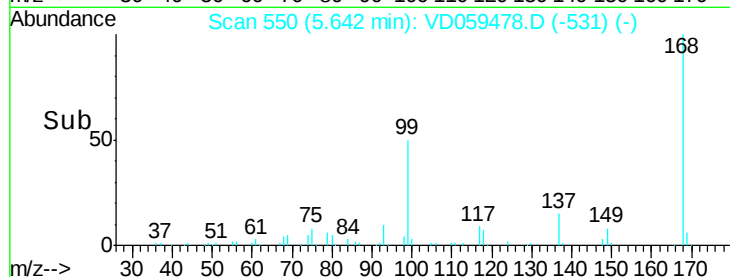
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 88.42 ug/l

RT: 2.60 min Scan# 241

Delta R.T. -0.01 min

Lab File: VD059478.D

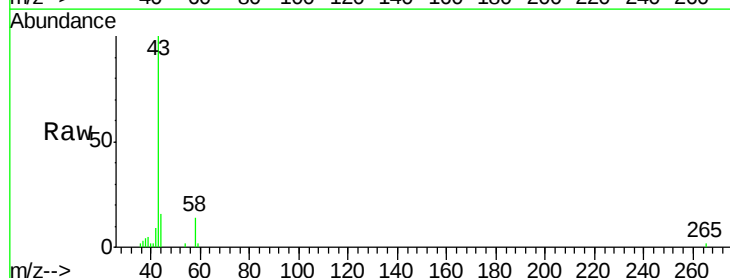
Acq: 28 Jun 2018 22:32

Tgt Ion: 43 Resp: 62059

Ion Ratio Lower Upper

43 100

58 14.5 16.8 25.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.60

20000

15000

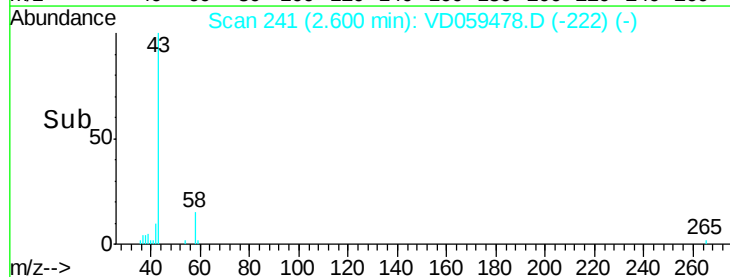
10000

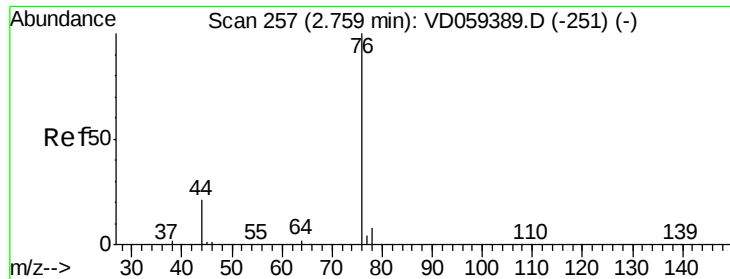
5000

0

Time-->

2.50 2.60 2.70 2.80





#17

Carbon Disulfide

Concen: 2.35 ug/l

RT: 2.75 min Scan# 256

Delta R.T. -0.01 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Instrument :

MSVOA_D

ClientSampleId :

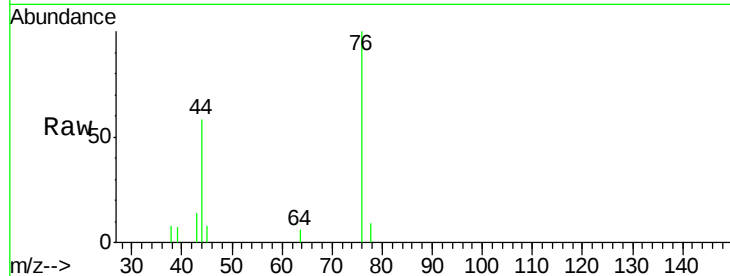
ZER-SB-04-1-2RE

Tot Ion: 76 Resp: 12903

Ion Ratio Lower Upper

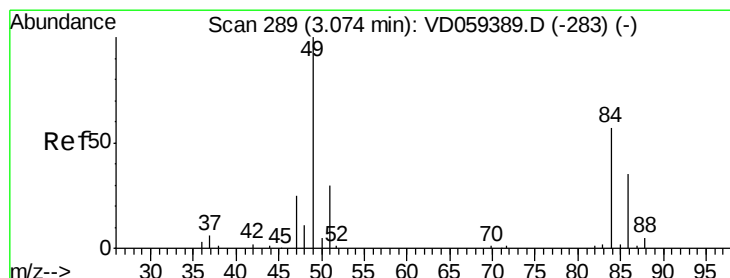
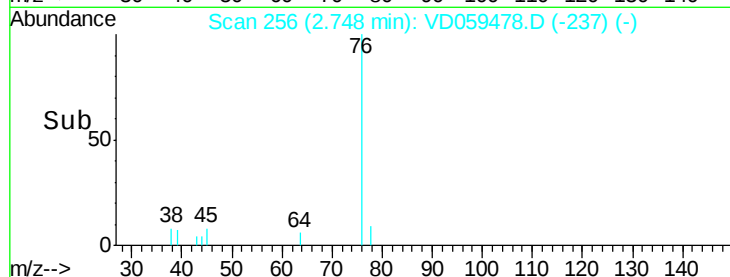
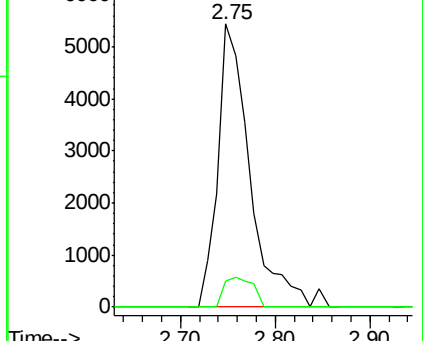
76 100

78 9.4 6.6 9.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 4.33 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.01 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Tgt Ion: 84 Resp: 12867

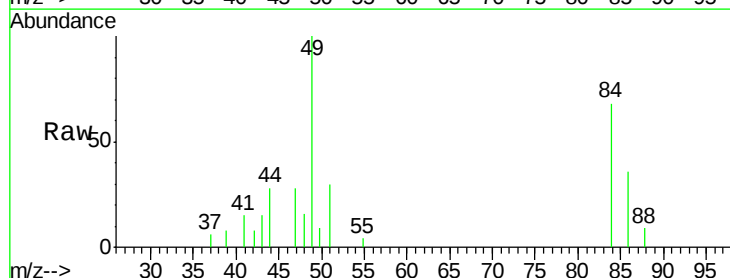
Ion Ratio Lower Upper

84 100

49 147.6 140.3 210.5

51 44.1 41.6 62.4

86 52.4 49.4 74.2

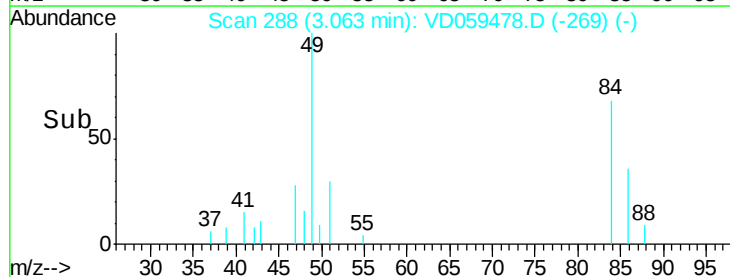
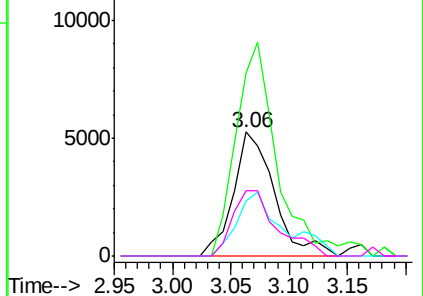


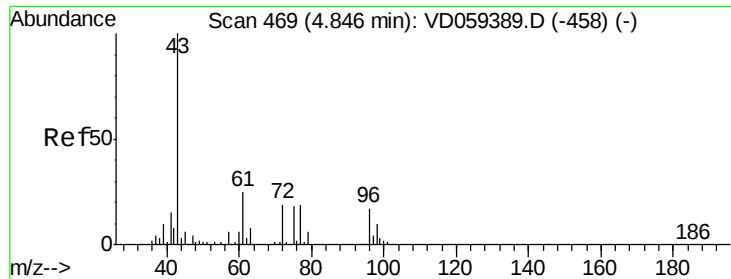
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 11.88 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Instrument :

MSVOA_D

ClientSampleId :

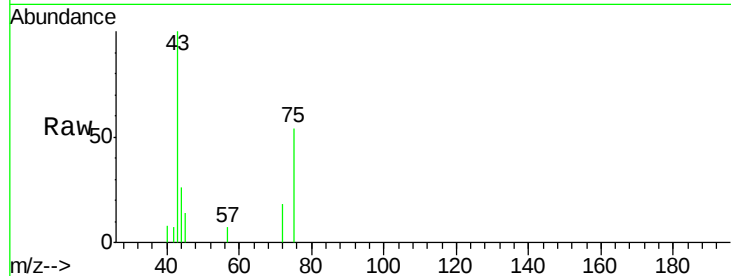
ZER-SB-04-1-2RE

Tot Ion: 43 Resp: 17470

Ion Ratio Lower Upper

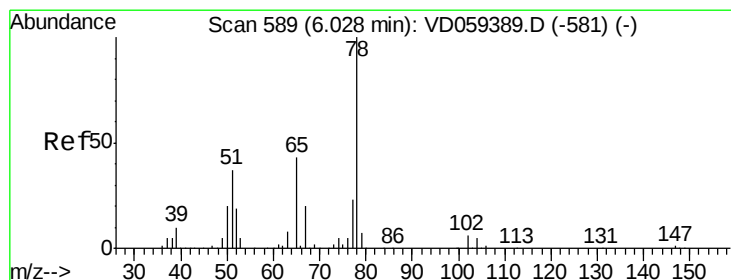
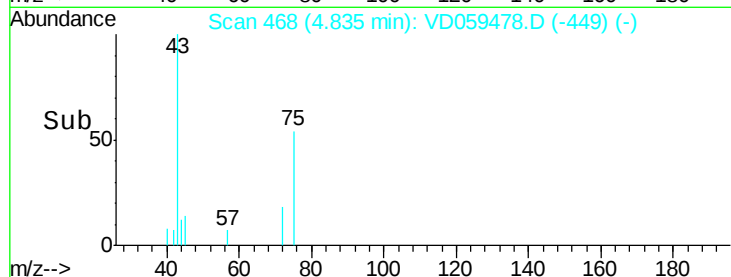
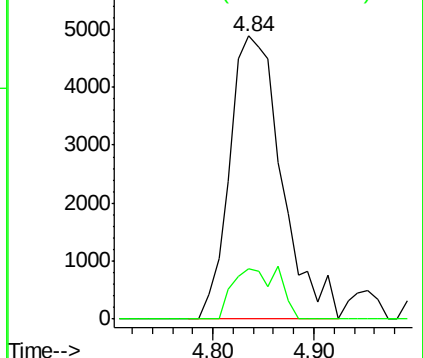
43 100

72 17.7 15.4 23.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059478.D

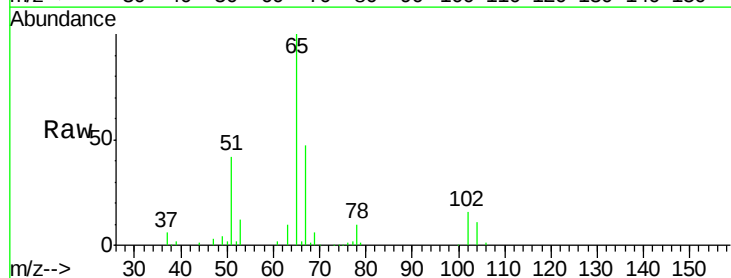
Acq: 28 Jun 2018 22:32

Tgt Ion: 65 Resp: 247145

Ion Ratio Lower Upper

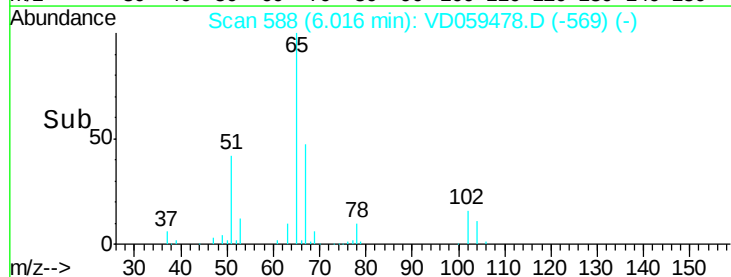
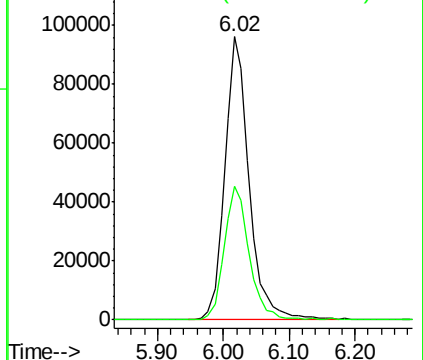
65 100

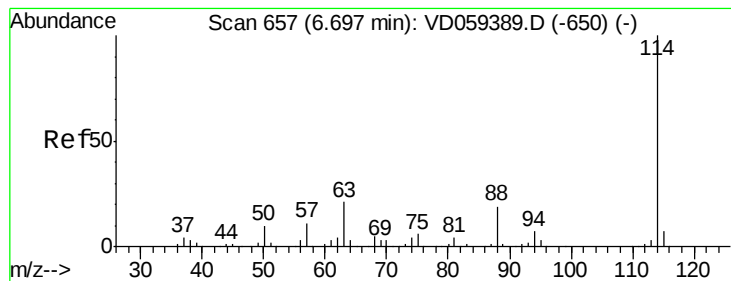
67 47.3 0.0 93.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Instrument :

MSVOA_D

ClientSampleId :

ZER-SB-04-1-2RE

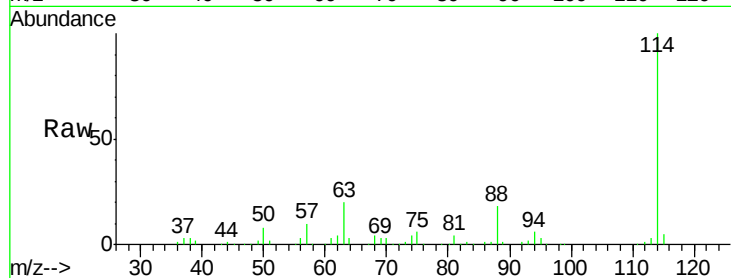
Tot Ion:114 Resp: 712366

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

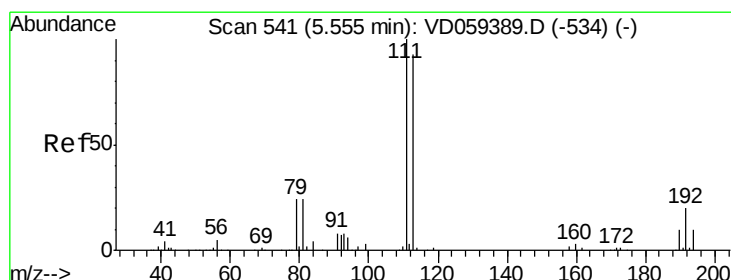
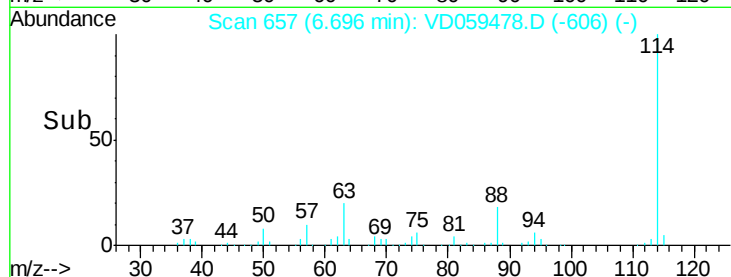
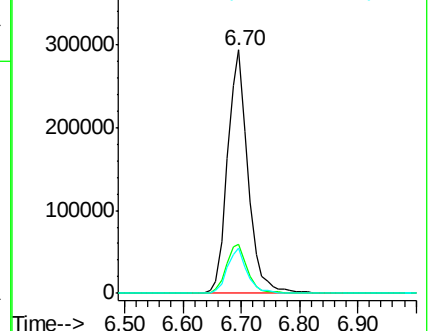
88 18.4 0.0 38.0



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: 50.00 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

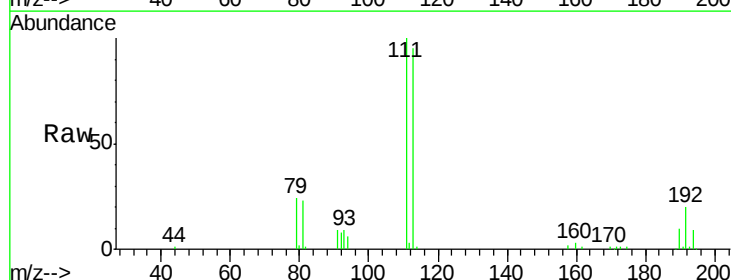
Tgt Ion:113 Resp: 264923

Ion Ratio Lower Upper

113 100

111 105.7 85.7 128.5

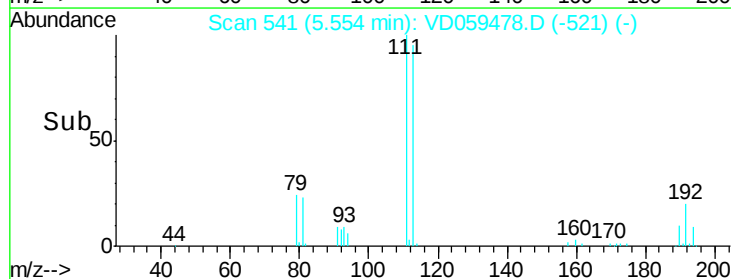
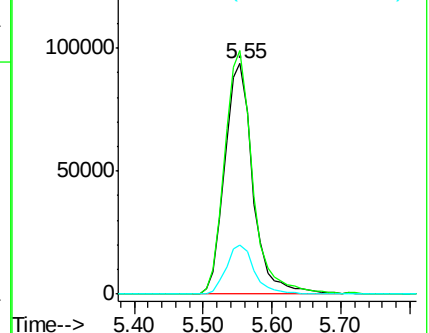
192 21.0 16.9 25.3

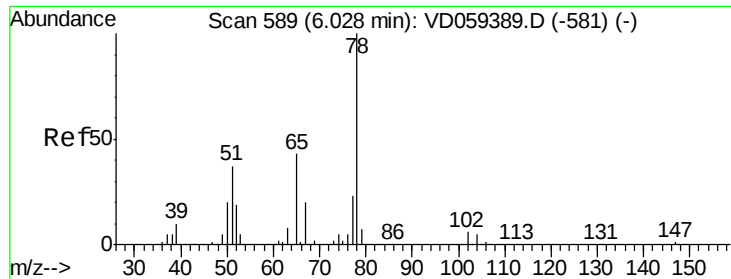


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#40

Benzene

Concen: 1.55 ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Instrument :

MSVOA_D

ClientSampleId :

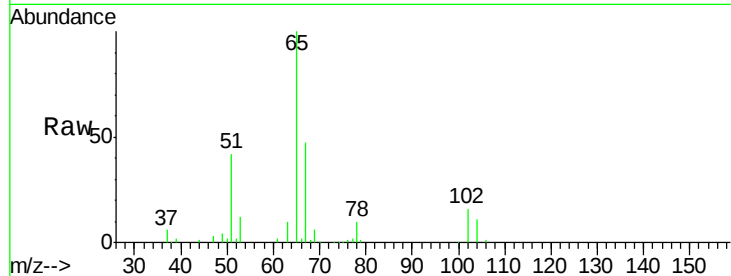
ZER-SB-04-1-2RE

Tot Ion: 78 Resp: 24022

Ion Ratio Lower Upper

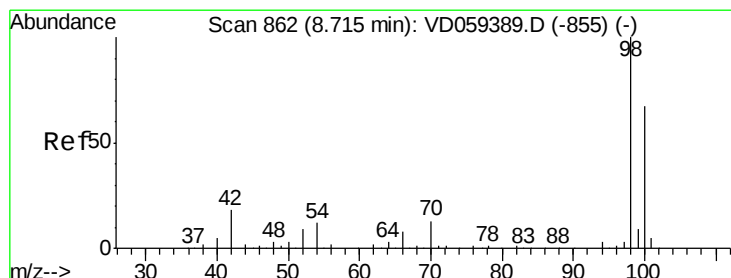
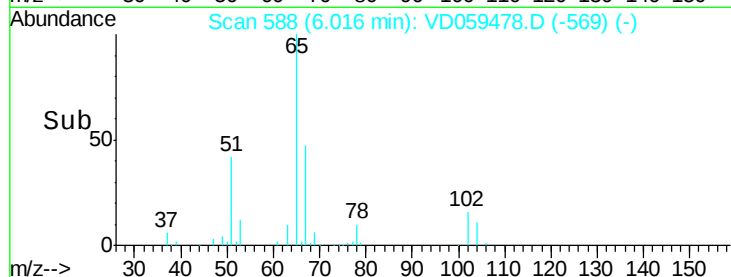
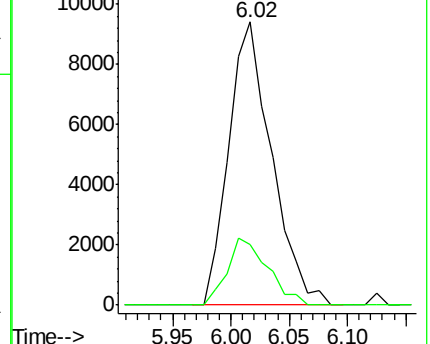
78 100

77 21.3 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD059478.D

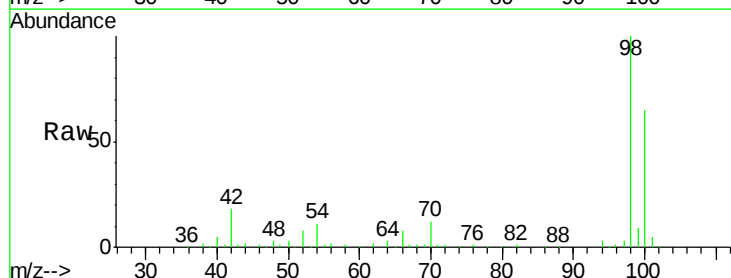
Acq: 28 Jun 2018 22:32

Tgt Ion: 98 Resp: 506706

Ion Ratio Lower Upper

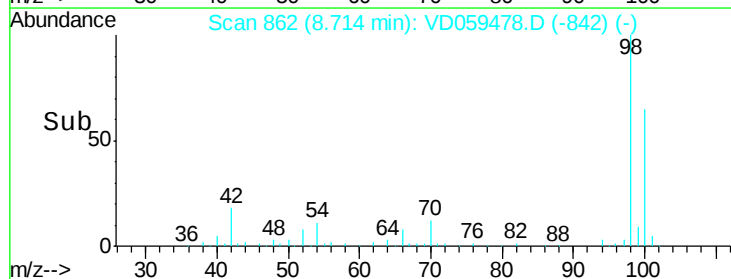
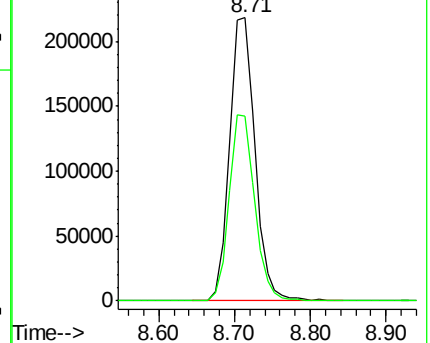
98 100

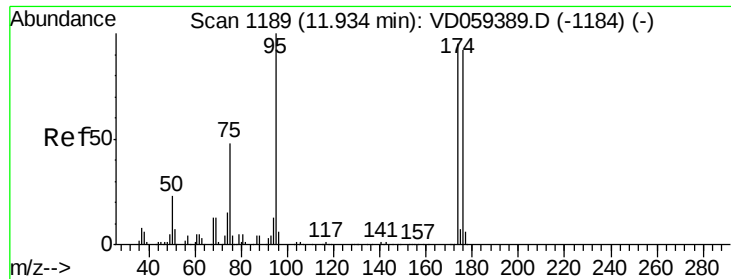
100 65.4 54.4 81.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

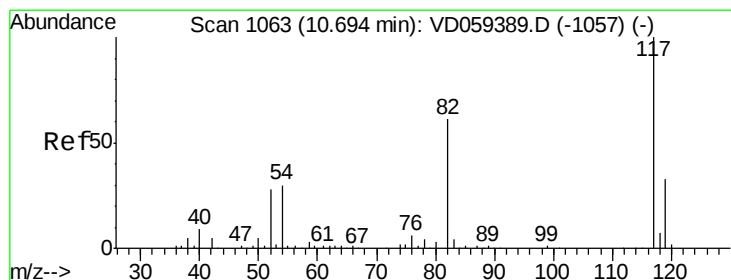
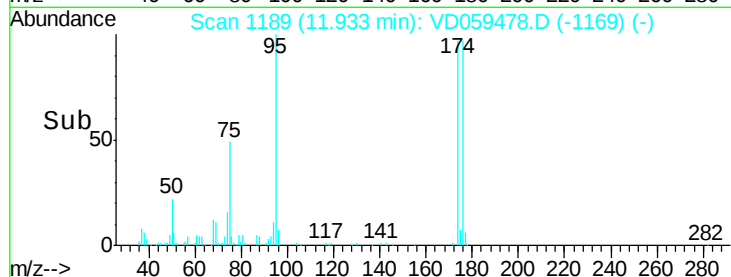
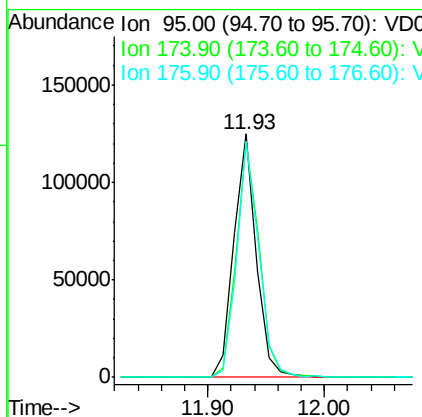
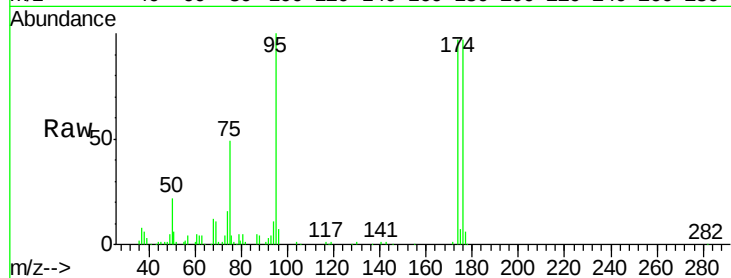




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VD059478.D
Acq: 28 Jun 2018 22:32

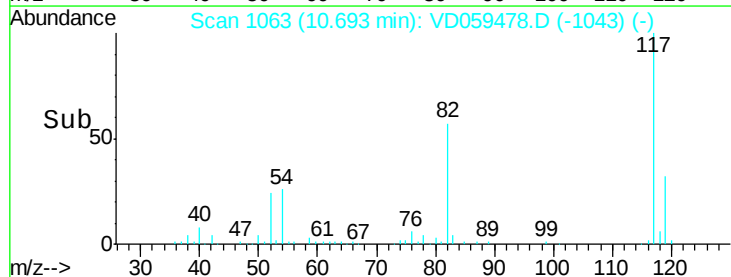
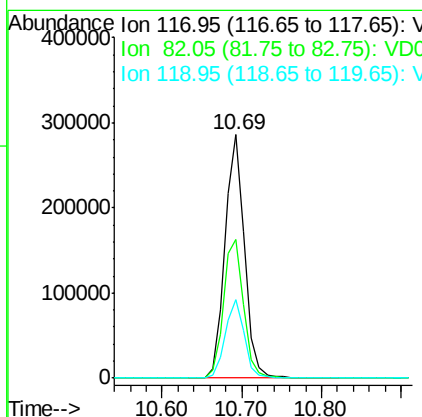
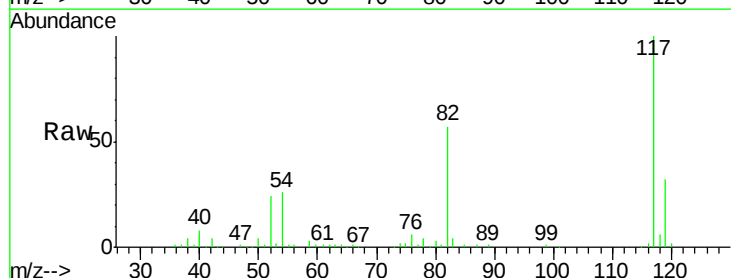
Instrument :
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ZER-SB-04-1-2RE

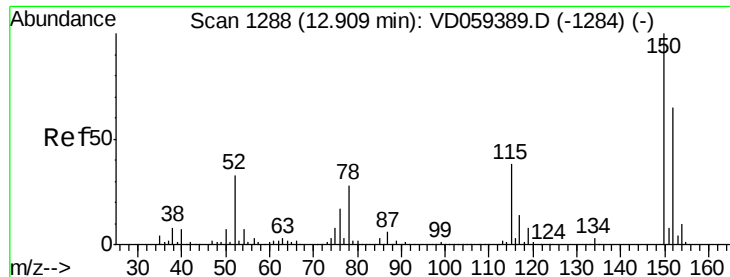
Tot Ion: 95 Resp: 166623
Ion Ratio Lower Upper
95 100
174 97.1 0.0 190.4
176 97.0 0.0 183.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059478.D
Acq: 28 Jun 2018 22:32

Tgt Ion: 117 Resp: 495475
Ion Ratio Lower Upper
117 100
82 56.7 49.0 73.6
119 32.4 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

Instrument :

MSVOA_D

ClientSampleId :

ZER-SB-04-1-2RE

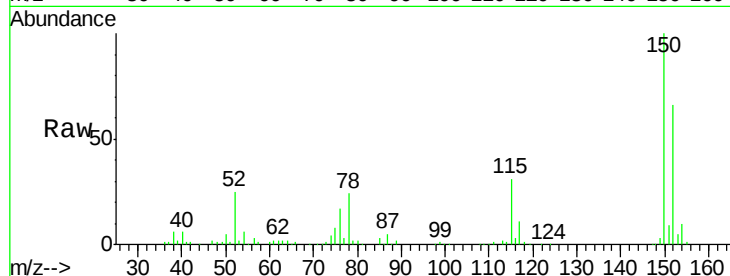
Tot Ion:152 Resp: 151672

Ion Ratio Lower Upper

152 100

115 47.7 29.4 88.3

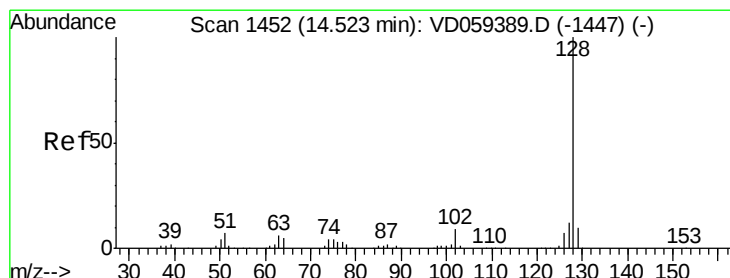
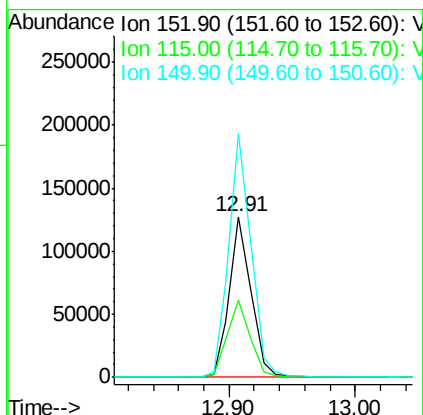
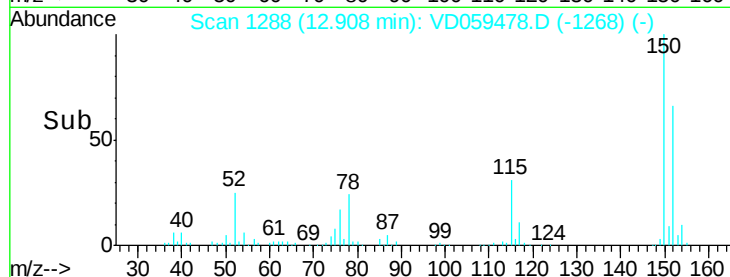
150 151.4 0.0 308.2



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



#95

Naphthalene

Concen: 1.36 ug/l

RT: 14.51 min Scan# 1451

Delta R.T. -0.01 min

Lab File: VD059478.D

Acq: 28 Jun 2018 22:32

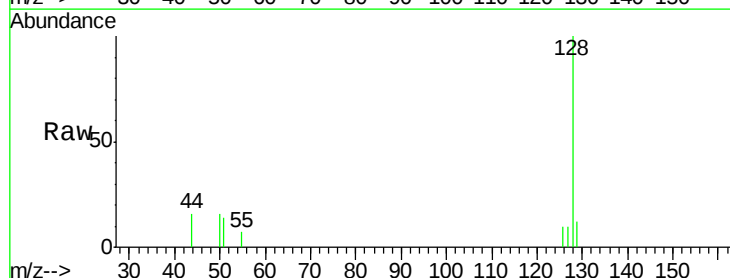
Tgt Ion:128 Resp: 6570

Ion Ratio Lower Upper

128 100

127 9.5 9.6 14.4#

129 11.9 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

