

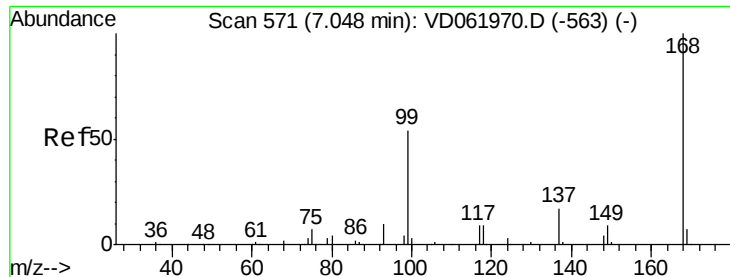
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050119\
 Data File : VD062104.D
 Acq On : 1 May 2019 15:51
 Operator : FY/SY
 Sample : K2652-01RE
 Misc : 4.25g/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-1-4

Quant Time: May 02 00:58:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 08:37:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	26942	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.18	114	43335	50.00	ug/l	-0.04
63) Chlorobenzene-d5	12.35	117	43664	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.50	152	21825	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	13614	64.56	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	129.12%	
35) Dibromofluoromethane	6.89	113	14861	49.59	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	99.18%	
50) Toluene-d8	10.38	98	34405	48.24	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	13.54	95	16386	57.29	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	114.58%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.13	94	199	2.993	ug/l #	12
10) Methyl Iodide	3.31	142	716	7.051	ug/l #	37
16) Acetone	3.18	43	2178	43.259	ug/l #	50
20) Methylene Chloride	3.79	84	1517	3.205	ug/l #	68
36) 1,1-Dichloropropene	7.02	75	1304	3.862	ug/l #	40
38) Carbon Tetrachloride	7.01	117	2008	4.693	ug/l #	12
81) trans-1,4-Dichloro-2-buten	13.54	75	5770	68.702	ug/l #	16
95) Naphthalene	16.11	128	637	1.212	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

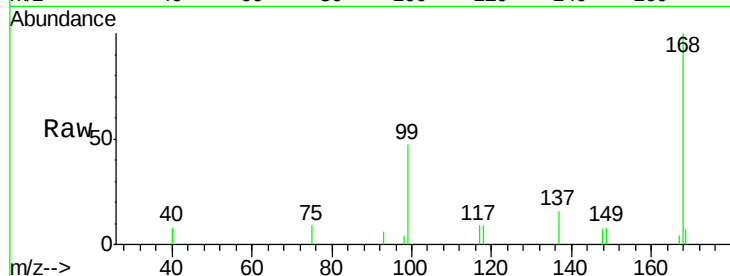
DRUM-1-4

Tot Ion:168 Resp: 26942

Ion Ratio Lower Upper

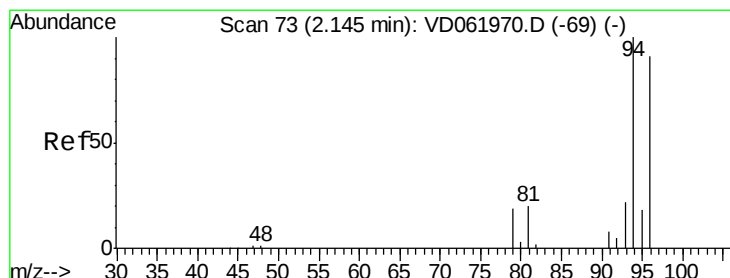
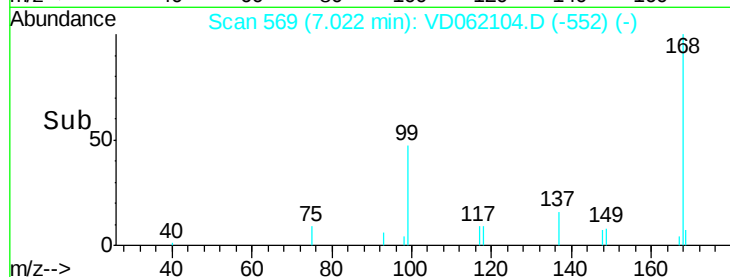
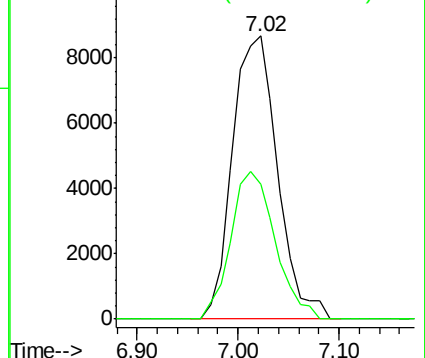
168 100

99 47.5 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.993 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

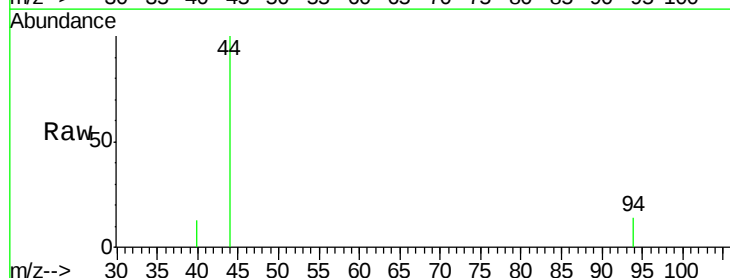
Tgt Ion: 94 Resp: 199

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

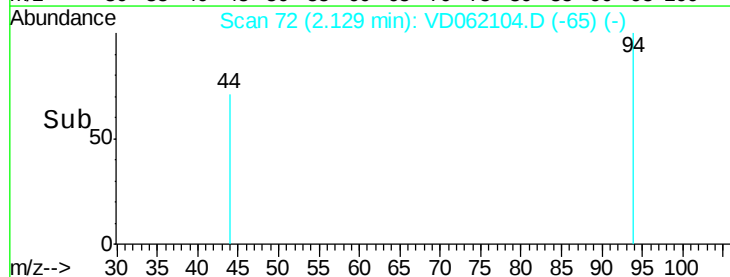
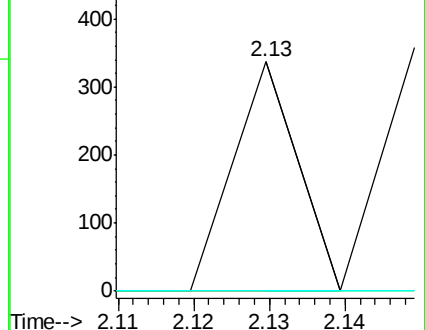
93 0.0 18.5 27.7#

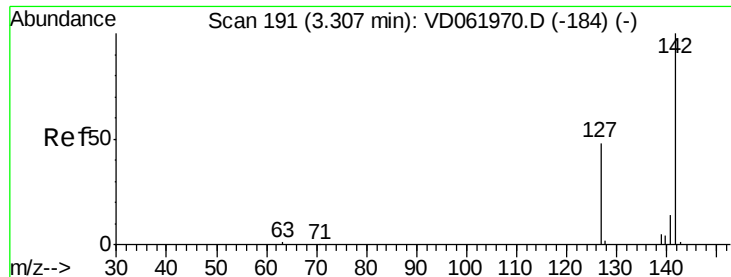


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

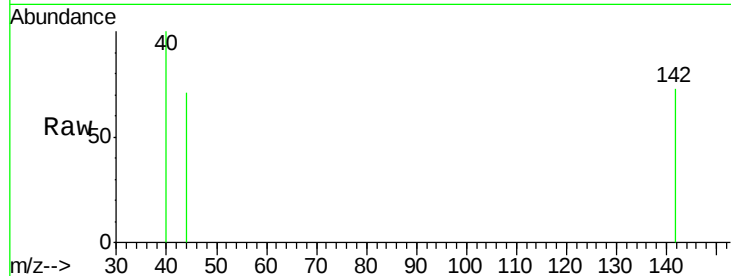




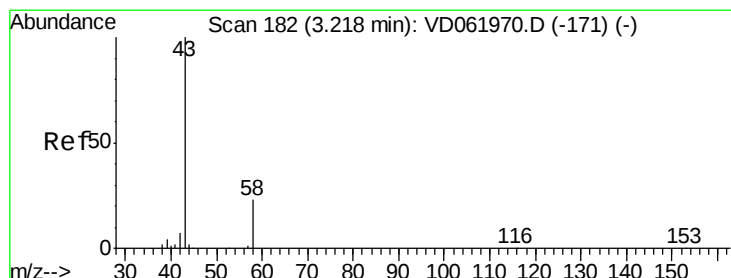
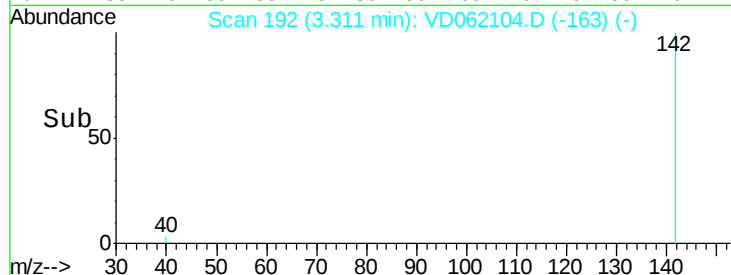
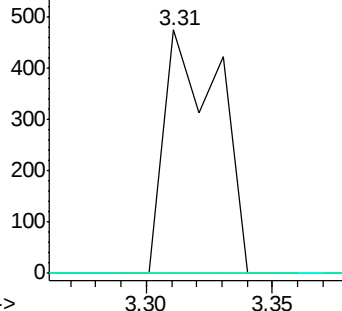
#10
Methvl Iodide
Concen: 7.051 ug/l
RT: 3.31 min Scan# 192
Delta R.T. -0.01 min
Lab File: VD062104.D
Acq: 1 May 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1-4

Tot Ion:142 Resp: 716
Ion Ratio Lower Upper
142 100
127 0.0 38.8 58.2#
141 0.0 11.4 17.0#

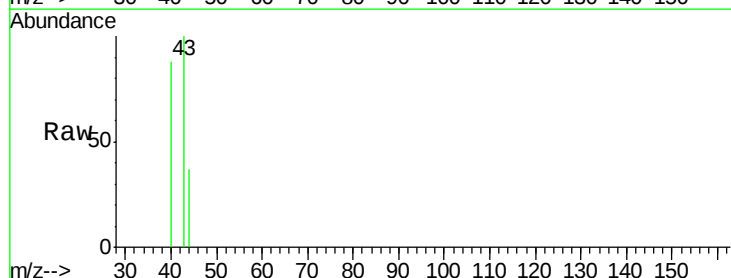


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

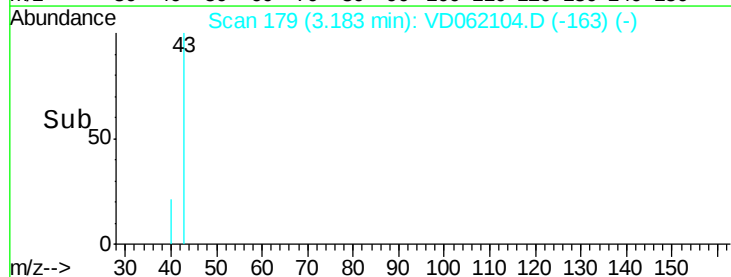
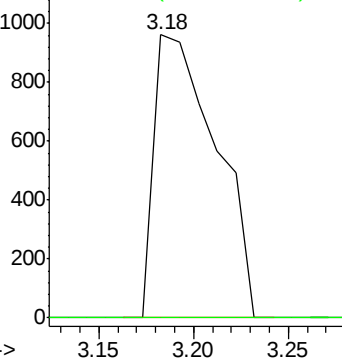


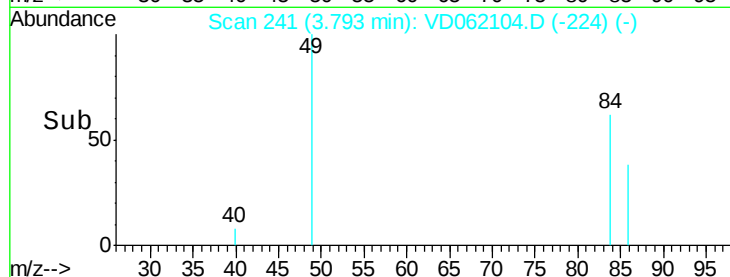
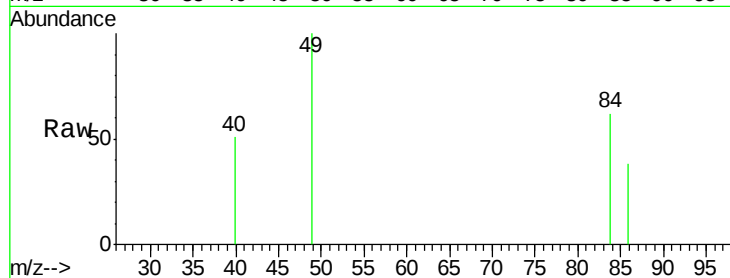
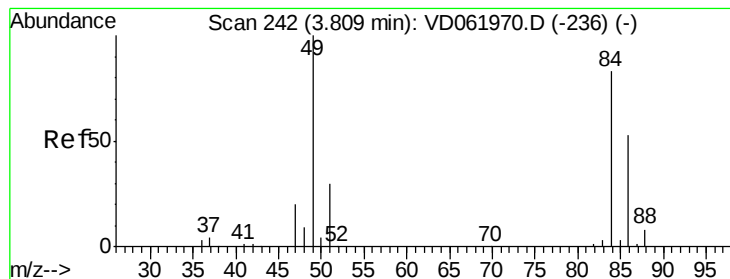
#16
Acetone
Concen: 43.259 ug/l
RT: 3.18 min Scan# 179
Delta R.T. -0.04 min
Lab File: VD062104.D
Acq: 1 May 2019 15:51

Tgt Ion: 43 Resp: 2178
Ion Ratio Lower Upper
43 100
58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#20

Methylene Chloride

Concen: 3.205 ug/l

RT: 3.79 min Scan# 241

Delta R.T. -0.03 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

DRUM-1-4

Tot Ion: 84 Resp: 1517

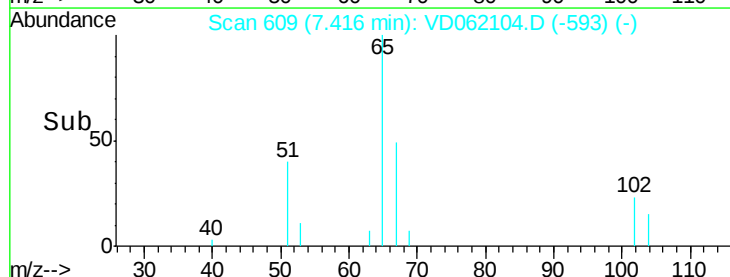
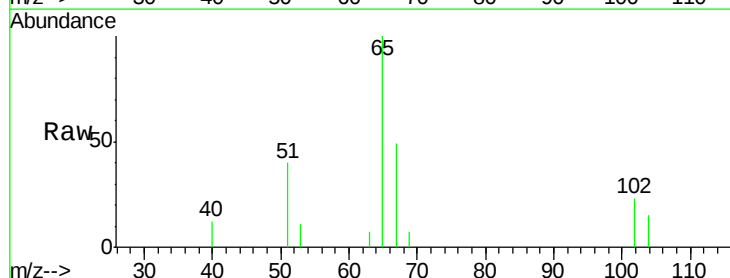
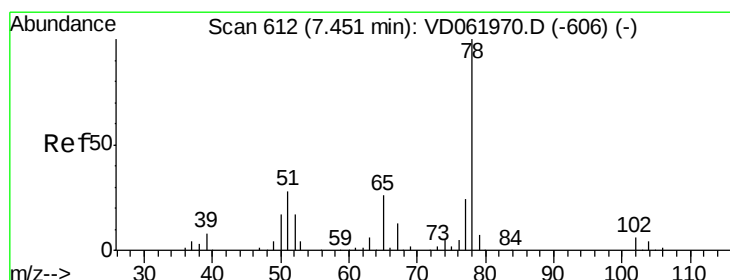
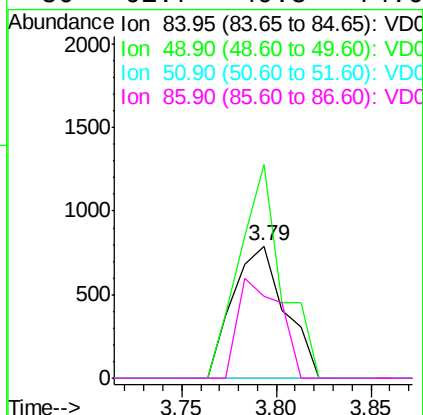
Ion Ratio Lower Upper

84 100

49 161.4 94.0 141.0#

51 0.0 29.0 43.4#

86 61.7 49.8 74.6



#33

1,2-Dichloroethane-d4

Concen: 64.563 ug/l

RT: 7.42 min Scan# 609

Delta R.T. -0.04 min

Lab File: VD062104.D

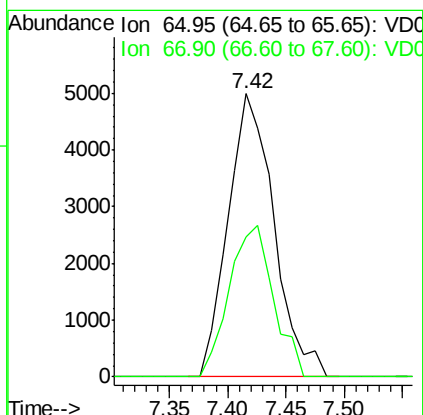
Acq: 1 May 2019 15:51

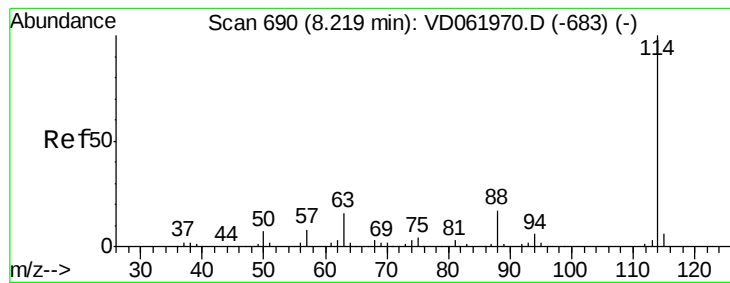
Tgt Ion: 65 Resp: 13614

Ion Ratio Lower Upper

65 100

67 49.5 0.0 98.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.18 min Scan# 687

Delta R.T. -0.04 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

DRUM-1-4

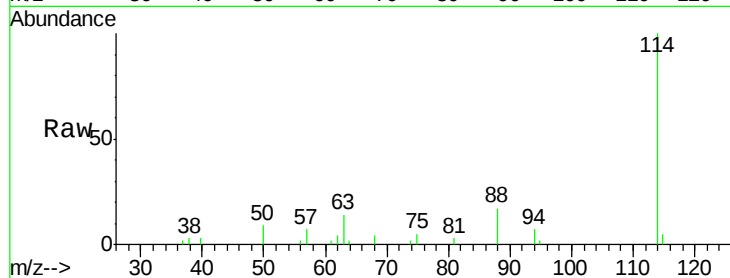
Tot Ion:114 Resp: 43335

Ion Ratio Lower Upper

114 100

63 14.1 0.0 32.4

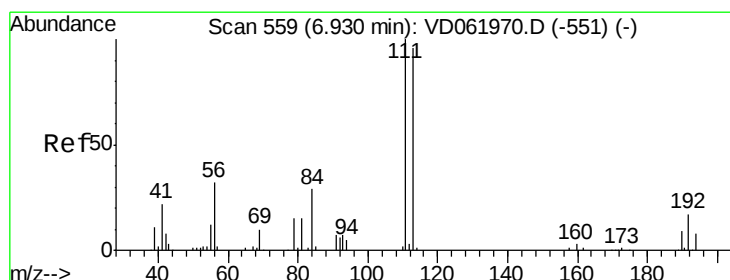
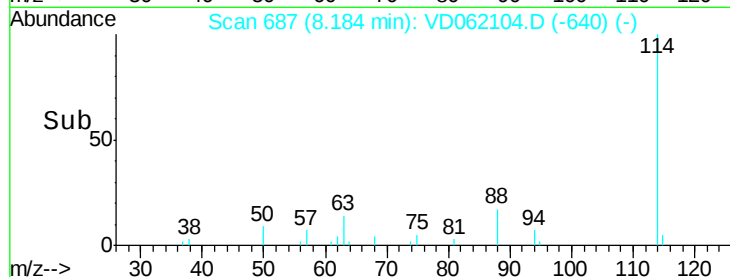
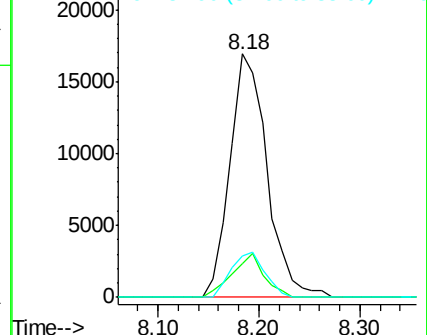
88 17.1 0.0 33.6



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



#35

Dibromofluoromethane

Concen: 49.586 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.04 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

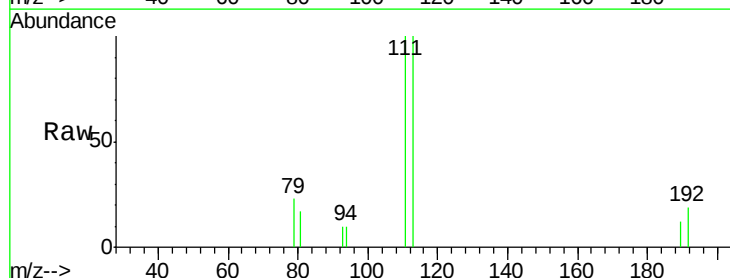
Tgt Ion:113 Resp: 14861

Ion Ratio Lower Upper

113 100

111 100.1 78.5 117.7

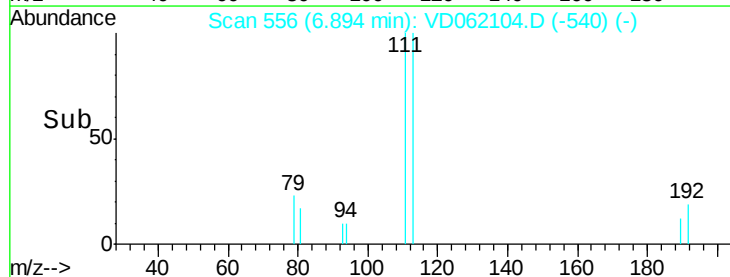
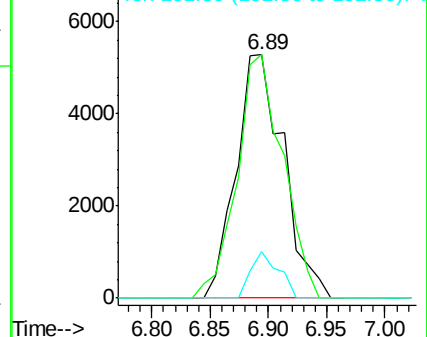
192 19.3 13.0 19.4

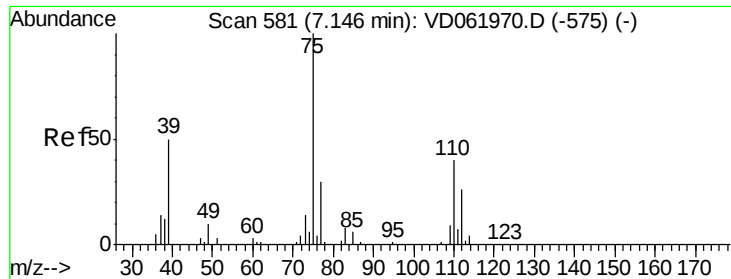


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 3.862 ug/l

RT: 7.02 min Scan# 569

Delta R.T. -0.13 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

Instrument :

MSVOA_D

ClientSampleId :

DRUM-1-4

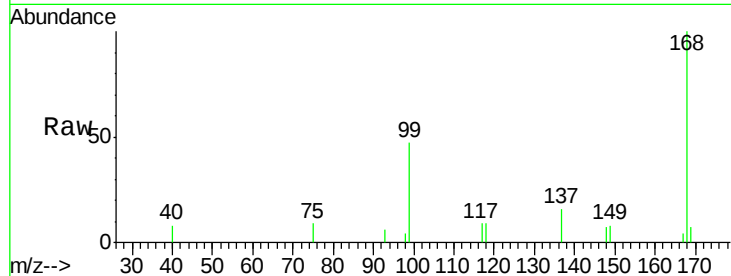
Tot Ion: 75 Resp: 1304

Ion Ratio Lower Upper

75 100

110 0.0 19.1 57.1#

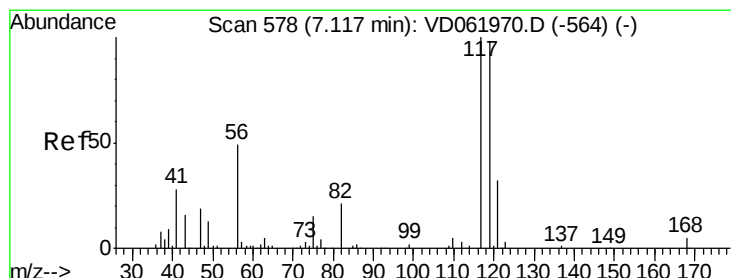
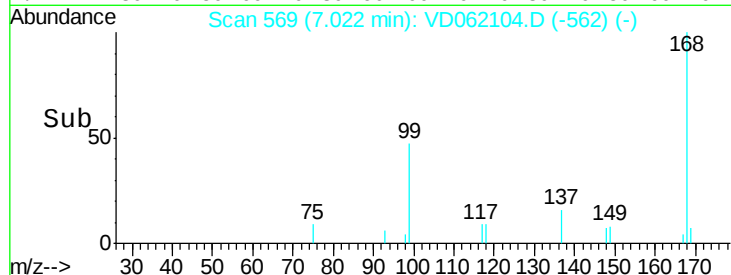
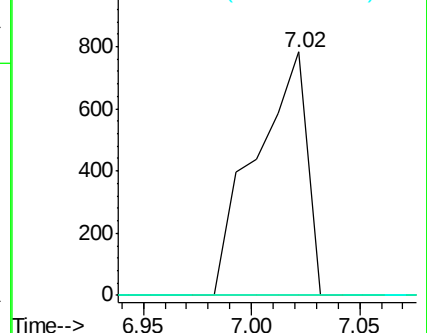
77 0.0 25.6 38.4#



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: 4.693 ug/l

RT: 7.01 min Scan# 568

Delta R.T. -0.11 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

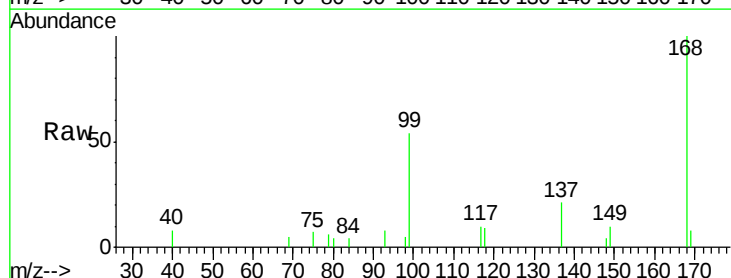
Tgt Ion: 117 Resp: 2008

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

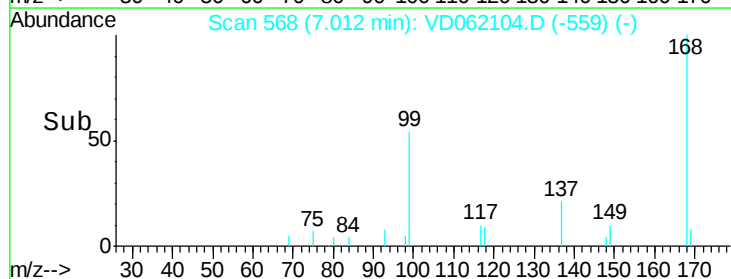
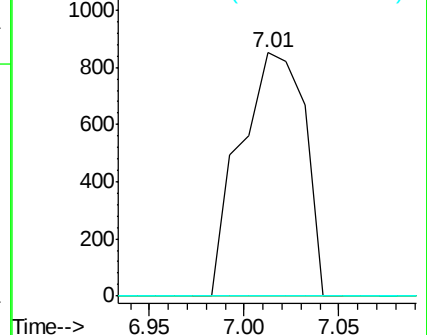
121 0.0 25.9 38.9#

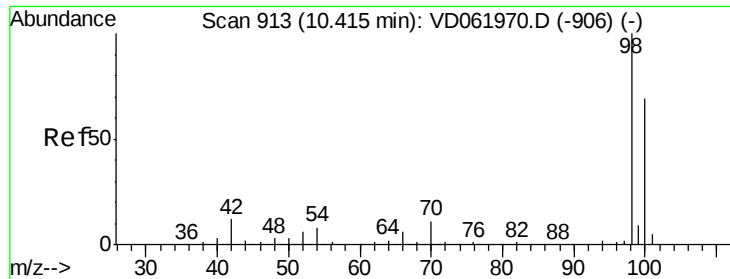


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

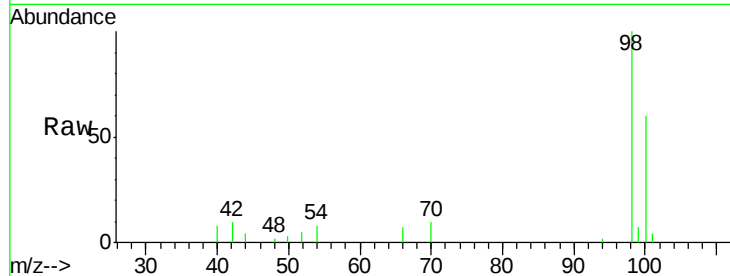




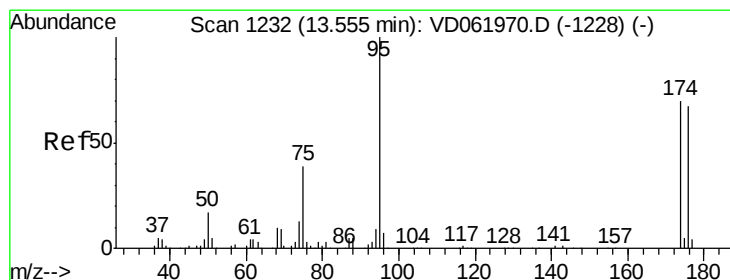
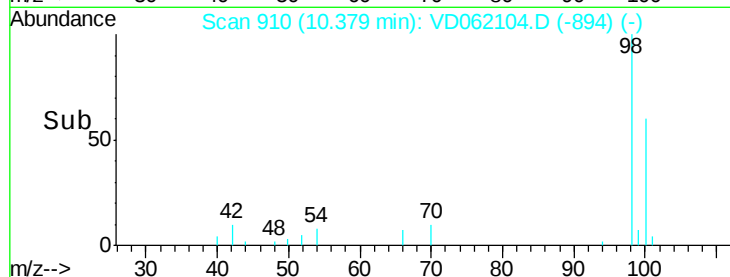
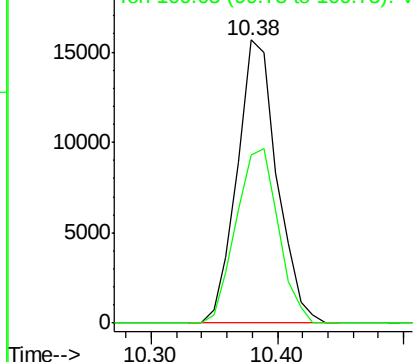
#50
Toluene-d8
Concen: 48.244 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.04 min
Lab File: VD062104.D
Acq: 1 May 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1-4

Tot Ion: 98 Resp: 34405
Ion Ratio Lower Upper
98 100
100 59.5 53.8 80.8

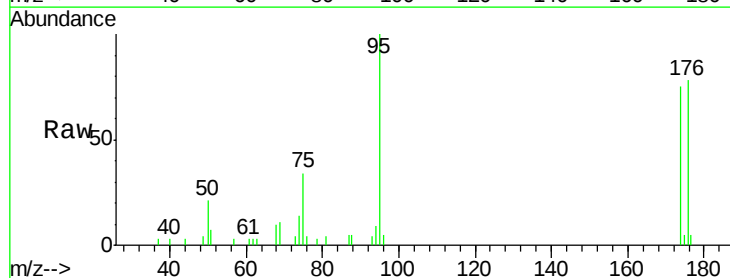


Abundance Ion 98.05 (97.75 to 98.75): VD061970.D (-906) (-)
Ion 100.05 (99.75 to 100.75): VD061970.D (-906) (-)

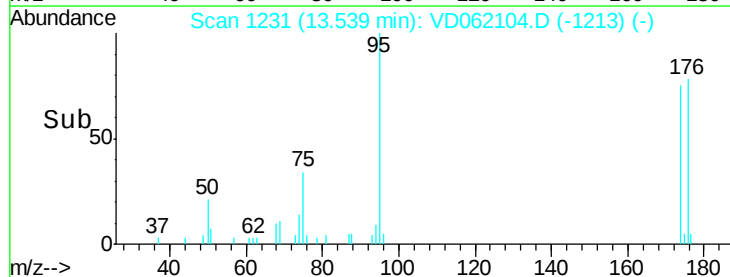
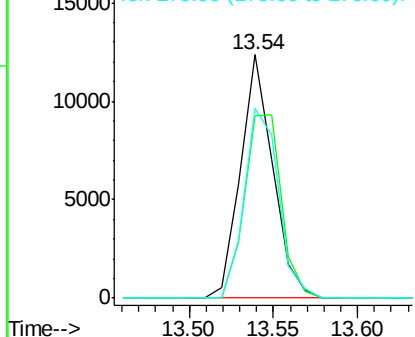


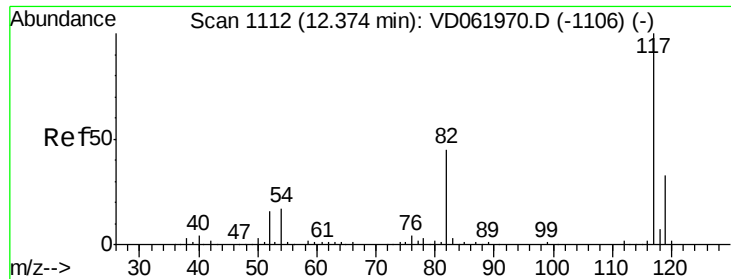
#62
4-Bromofluorobenzene
Concen: 57.286 ug/l
RT: 13.54 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD062104.D
Acq: 1 May 2019 15:51

Tgt Ion: 95 Resp: 16386
Ion Ratio Lower Upper
95 100
174 74.9 0.0 181.8
176 82.5 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): VD061970.D (-1228) (-)
Ion 173.90 (173.60 to 174.60): VD061970.D (-1228) (-)
Ion 175.90 (175.60 to 176.60): VD061970.D (-1228) (-)

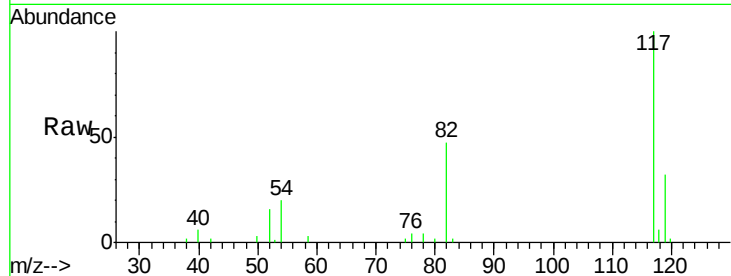




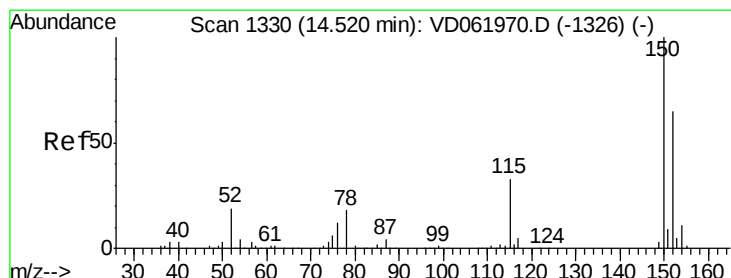
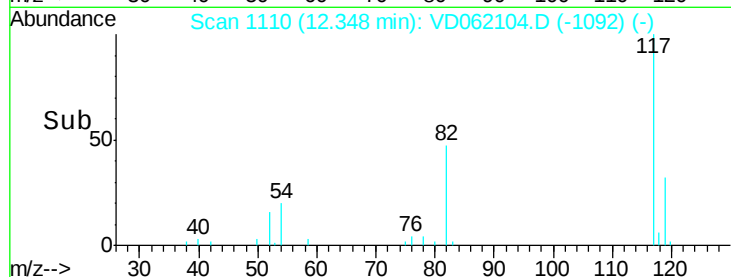
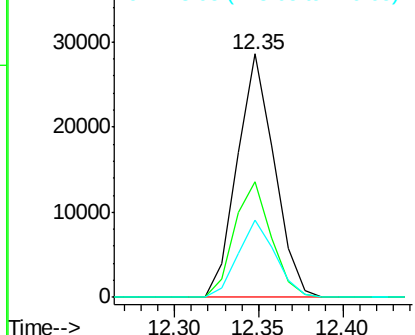
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.02 min
Lab File: VD062104.D
Acq: 1 May 2019 15:51

Instrument :
MSVOA_D
ClientSampleId :
DRUM-1-4

Tot Ion:117 Resp: 43664
Ion Ratio Lower Upper
117 100
82 47.3 36.2 54.2
119 31.5 26.2 39.4

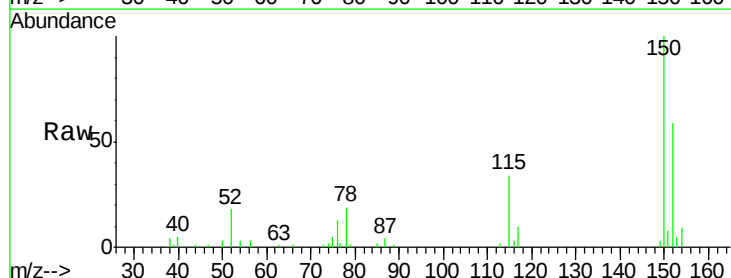


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

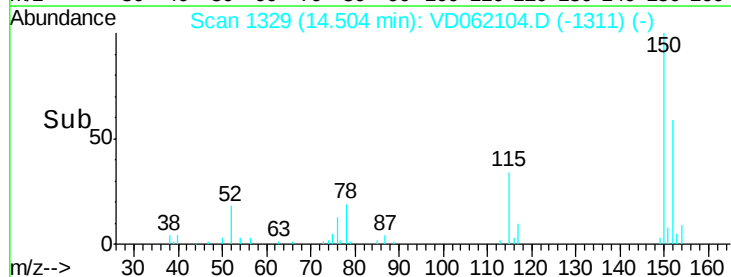
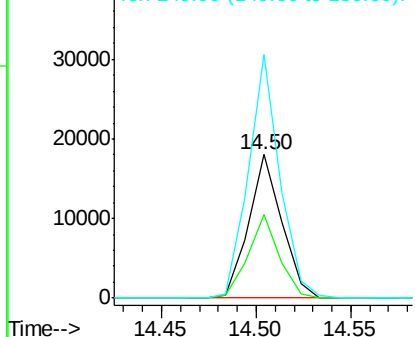


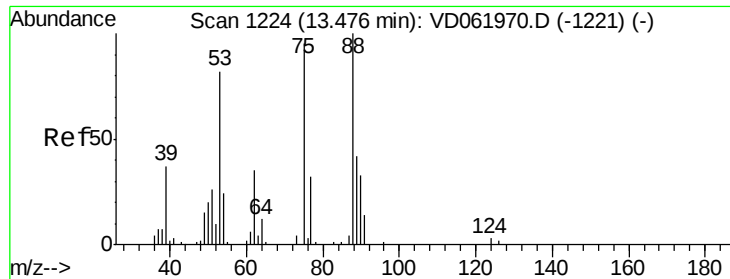
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD062104.D
Acq: 1 May 2019 15:51

Tgt Ion:152 Resp: 21825
Ion Ratio Lower Upper
152 100
115 58.1 30.9 92.7
150 169.5 0.0 314.8



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: 68.702 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

Instrument :

MSVOA_D

ClientSampled :

DRUM-1-4

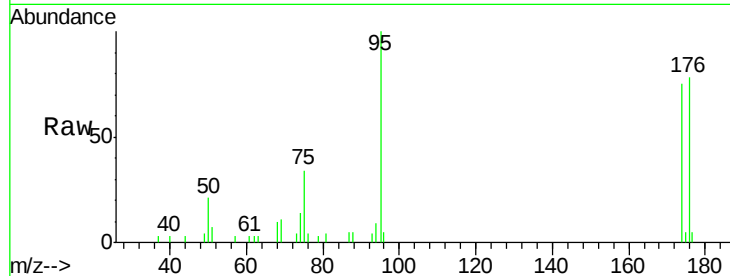
Tot Ion: 75 Resp: 5770

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

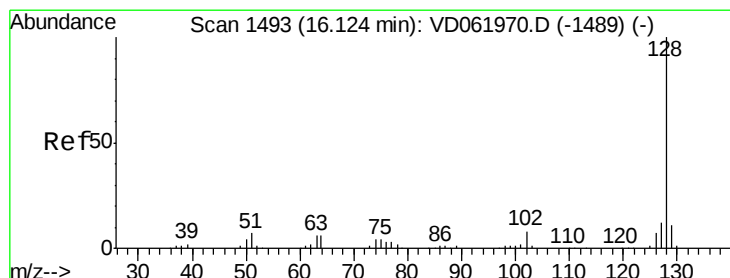
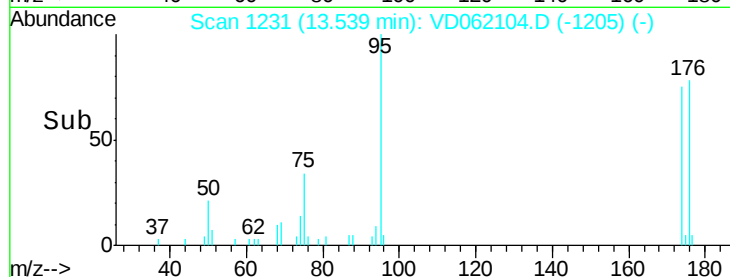
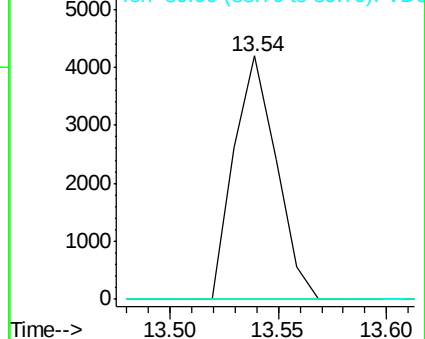
89 0.0 35.0 52.6#



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



#95

Naphthalene

Concen: 1.212 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.02 min

Lab File: VD062104.D

Acq: 1 May 2019 15:51

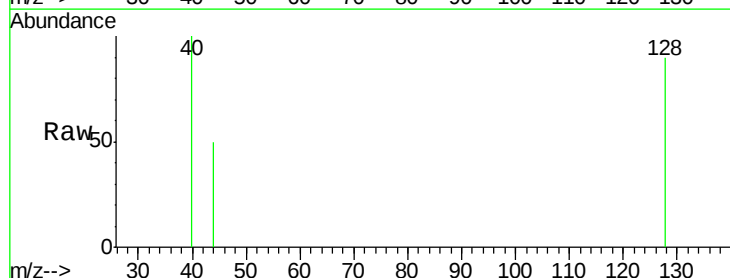
Tgt Ion: 128 Resp: 637

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



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

