

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080819\
 Data File : VD063442.D
 Acq On : 8 Aug 2019 16:58
 Operator : JC/SY
 Sample : K4223-08
 Misc : 4.24g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Quant Time: Aug 09 07:39:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

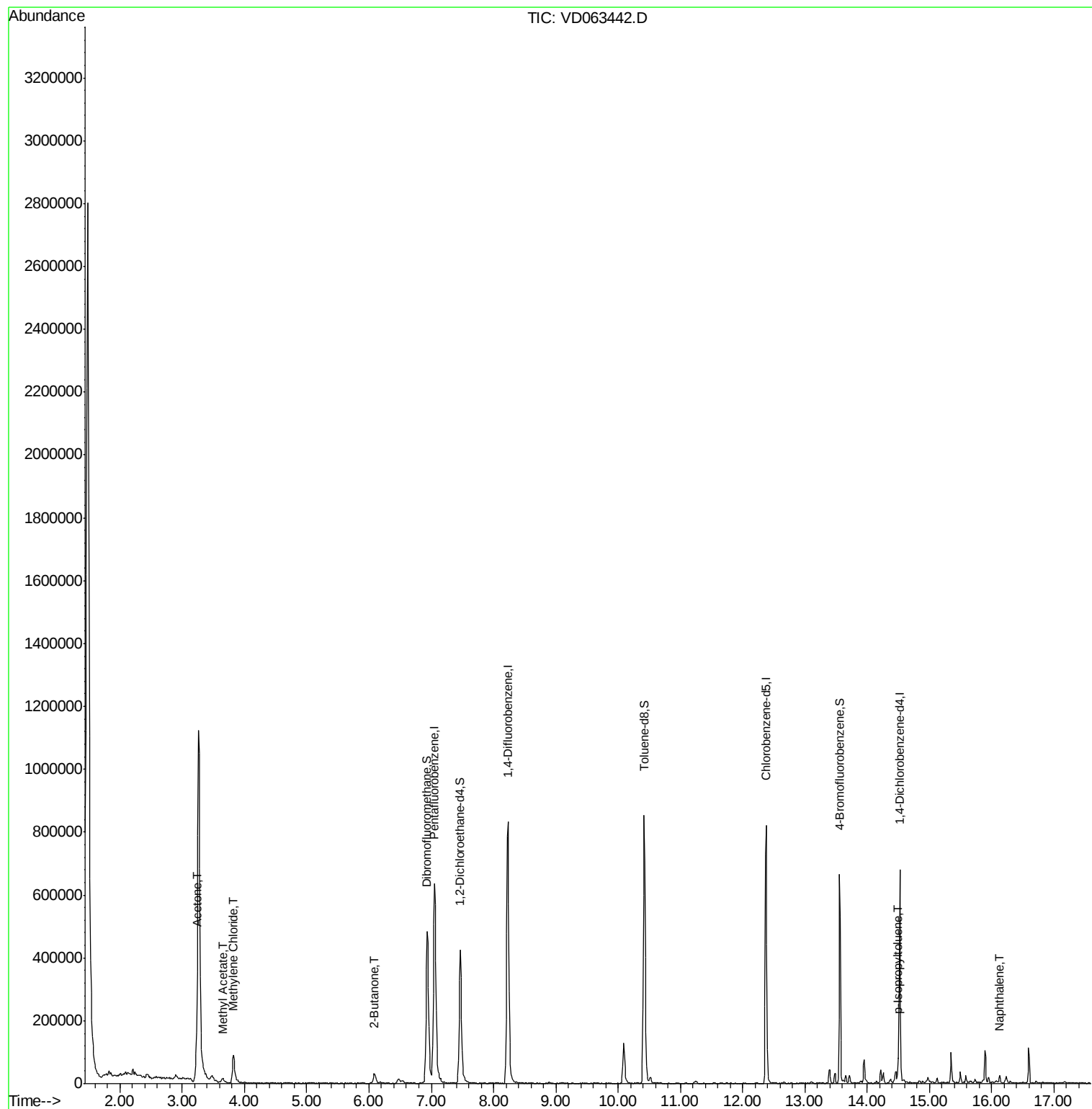
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	615768	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	910565	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	472291	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	131386	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	449859	65.84	ug/l	0.03
Spiked Amount 50.000			Recovery	=	131.68%	
35) Dibromofluoromethane	6.93	113	421994	54.28	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.56%	
50) Toluene-d8	10.42	98	674131	38.75	ug/l	0.02
Spiked Amount 50.000			Recovery	=	77.50%	
62) 4-Bromofluorobenzene	13.56	95	186988	23.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	47.16%	
Target Compounds						
16) Acetone	3.23	43	190496	143.096	ug/l #	92
18) Methyl Acetate	3.66	43	25536	9.986	ug/l	95
20) Methylene Chloride	3.82	84	53116	9.871	ug/l	97
25) 2-Butanone	6.08	43	64715	48.439	ug/l #	90
86) p-Isopropyltoluene	14.49	119	33162	4.061	ug/l	94
95) Naphthalene	16.13	128	13333	3.281	ug/l	95

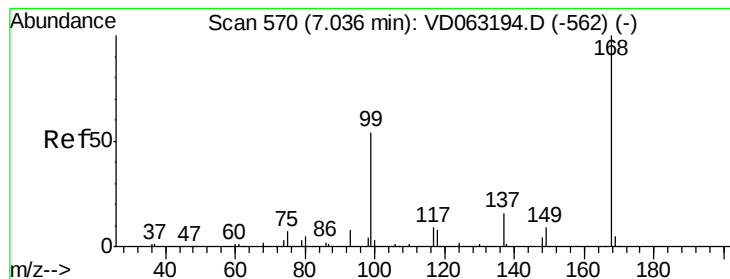
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063442.D

Acq: 8 Aug 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

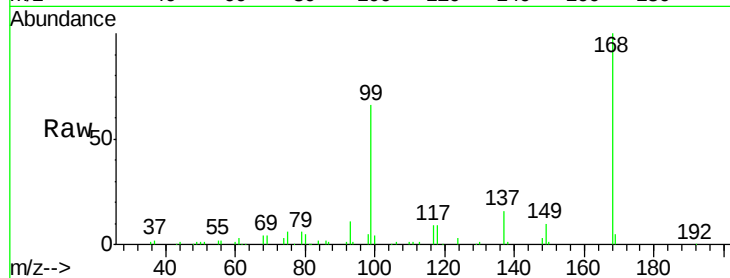
SP-4

Tot Ion:168 Resp: 615768

Ion Ratio Lower Upper

168 100

99 65.9 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

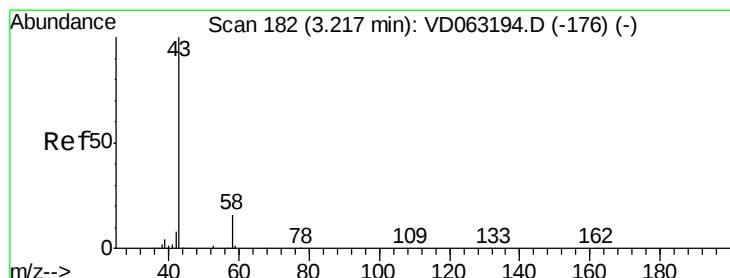
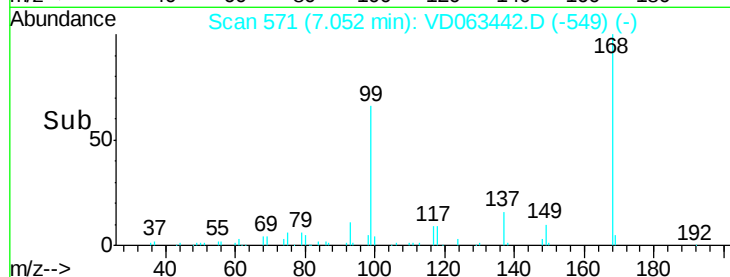
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#16

Acetone

Concen: 143.096 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.02 min

Lab File: VD063442.D

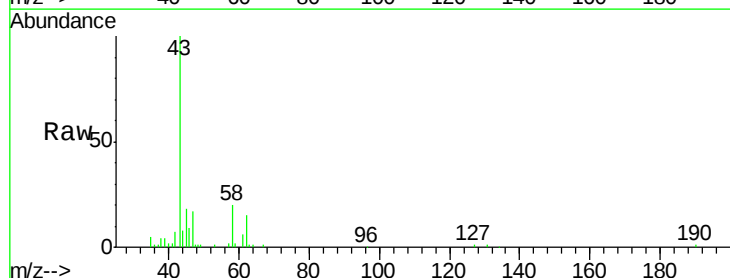
Acq: 8 Aug 2019 16:58

Tgt Ion: 43 Resp: 190496

Ion Ratio Lower Upper

43 100

58 19.6 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

80000

60000

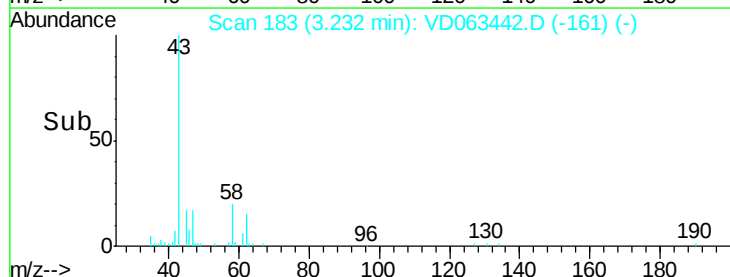
40000

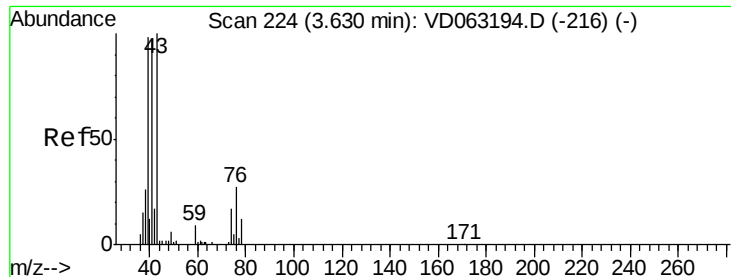
20000

0

Time-->

3.10 3.20 3.30 3.40

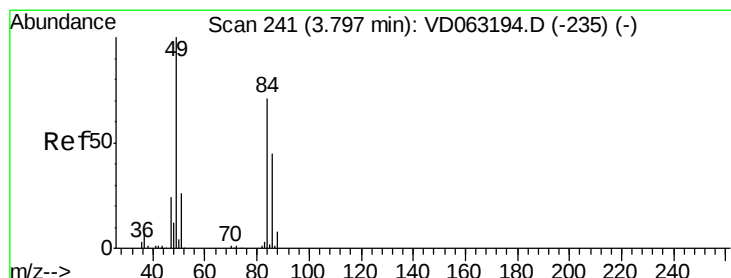
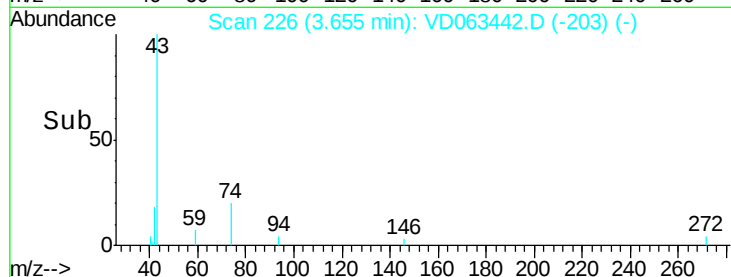
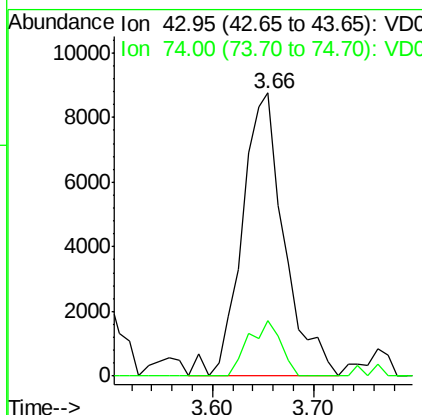
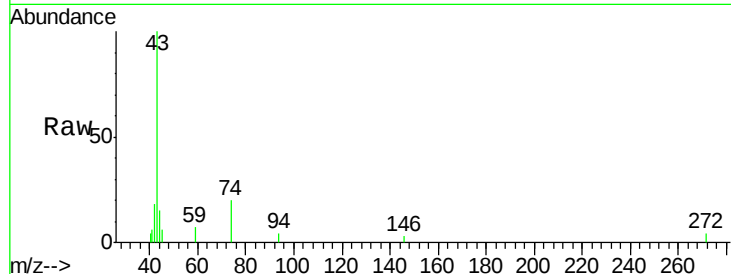




#18
Methyl Acetate
Concen: 9.986 ug/l
RT: 3.66 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD063442.D
Acq: 8 Aug 2019 16:58

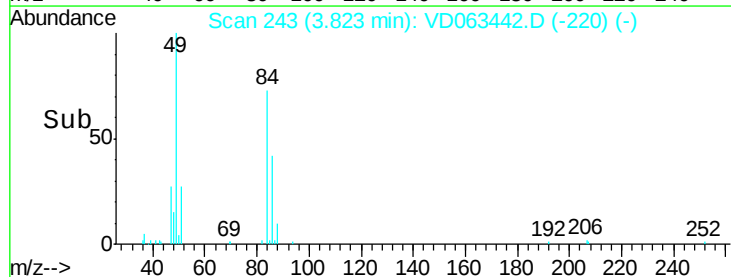
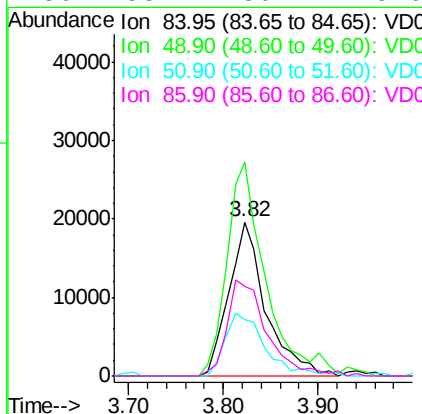
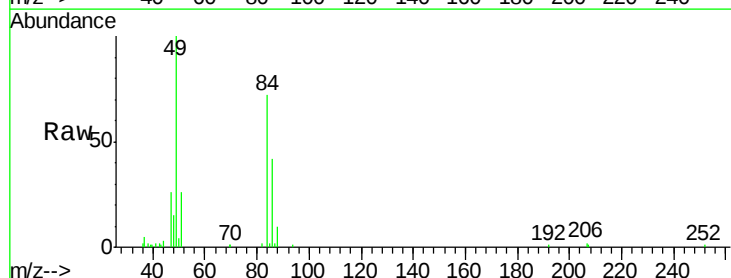
Instrument :
MSVOA_D
ClientSampleId :
SP-4

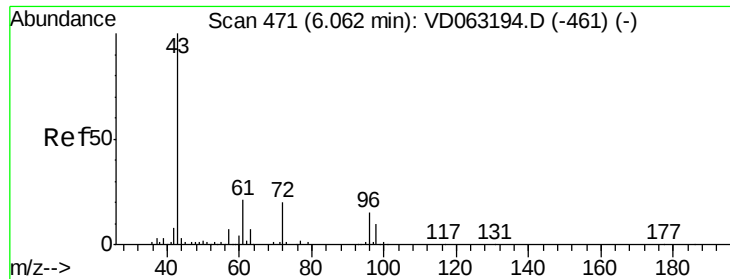
Tot Ion: 43 Resp: 25536
Ion Ratio Lower Upper
43 100
74 19.6 13.8 20.8



#20
Methylene Chloride
Concen: 9.871 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.03 min
Lab File: VD063442.D
Acq: 8 Aug 2019 16:58

Tgt Ion: 84 Resp: 53116
Ion Ratio Lower Upper
84 100
49 138.6 112.5 168.7
51 36.5 29.6 44.4
86 58.1 50.4 75.6





#25

2-Butanone

Concen: 48.439 ug/l

RT: 6.08 min Scan# 472

Delta R.T. 0.02 min

Lab File: VD063442.D

Acq: 8 Aug 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

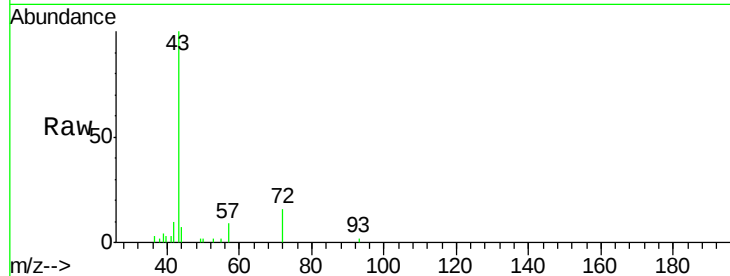
SP-4

Tot Ion: 43 Resp: 64715

Ion Ratio Lower Upper

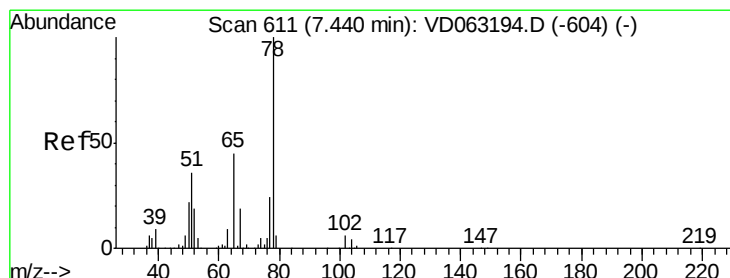
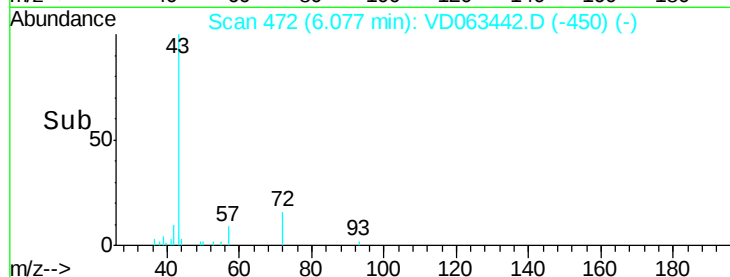
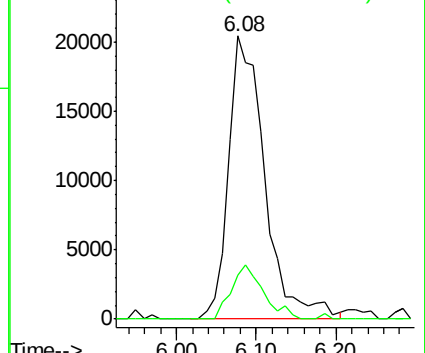
43 100

72 15.7 16.3 24.5#



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: 65.841 ug/l

RT: 7.47 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD063442.D

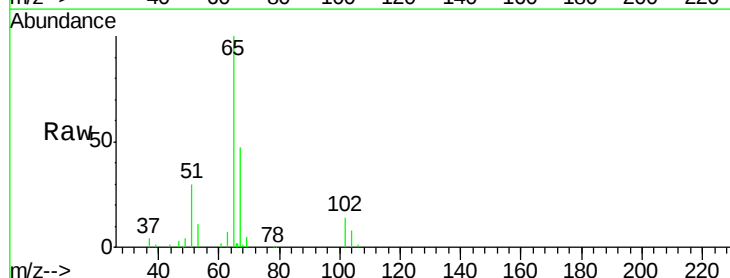
Acq: 8 Aug 2019 16:58

Tgt Ion: 65 Resp: 449859

Ion Ratio Lower Upper

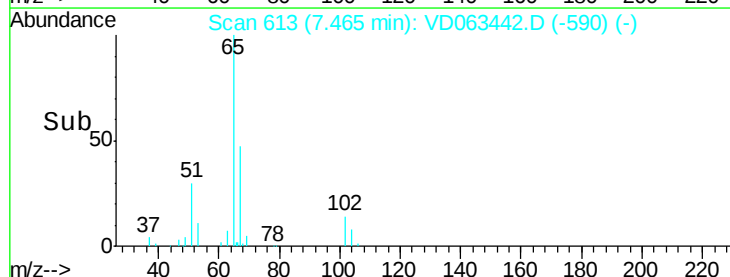
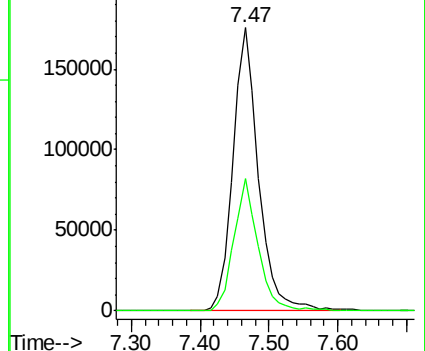
65 100

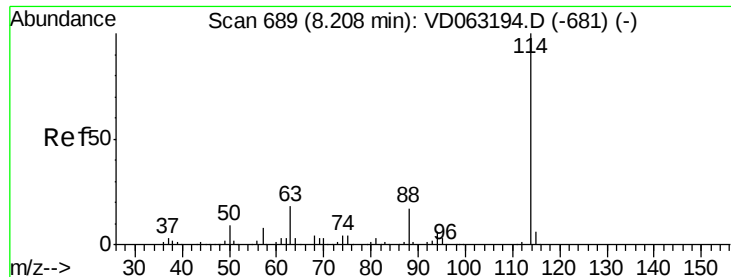
67 46.7 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD063442.D

Acq: 8 Aug 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

SP-4

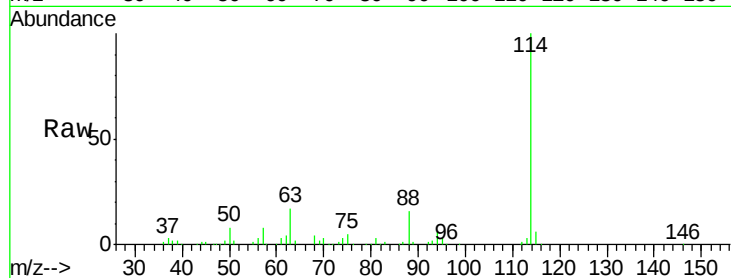
Tot Ion:114 Resp: 910565

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.2

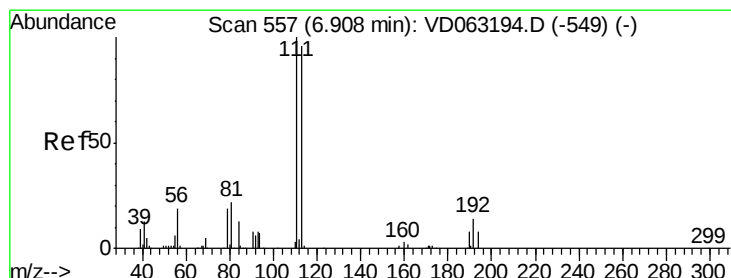
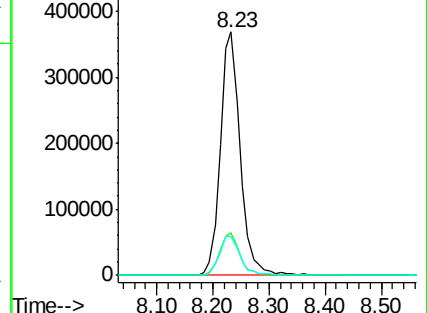
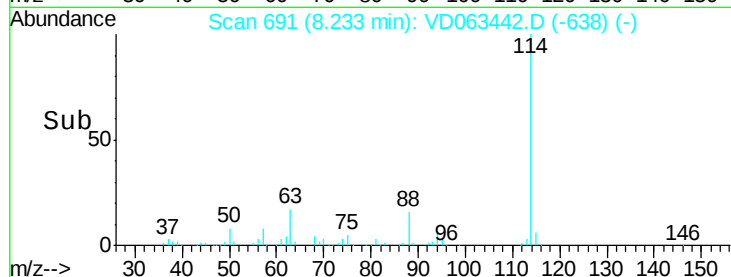
88 15.9 0.0 34.6



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: 54.281 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD063442.D

Acq: 8 Aug 2019 16:58

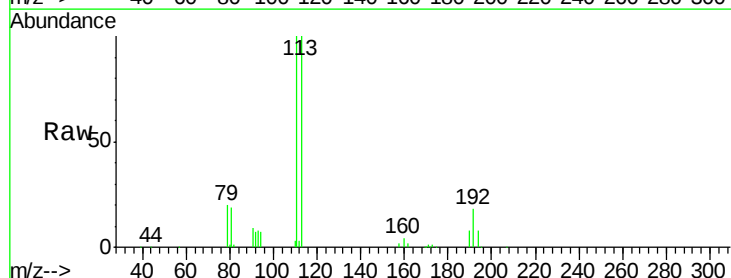
Tgt Ion:113 Resp: 421994

Ion Ratio Lower Upper

113 100

111 99.9 83.2 124.8

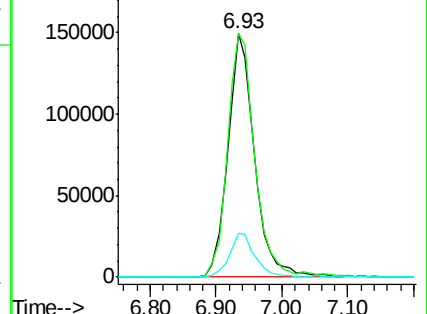
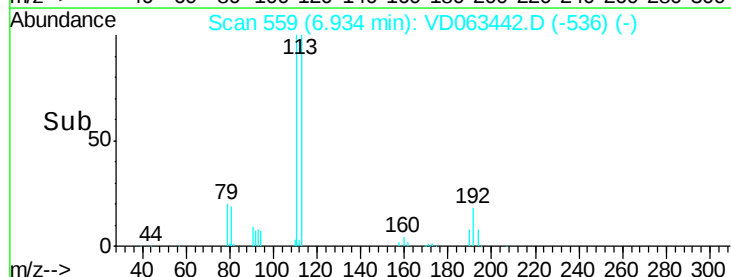
192 17.9 11.8 17.8#

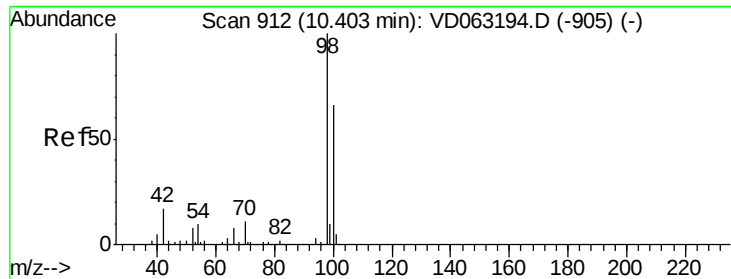


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

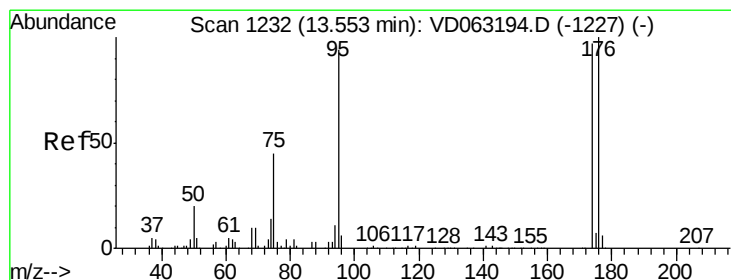
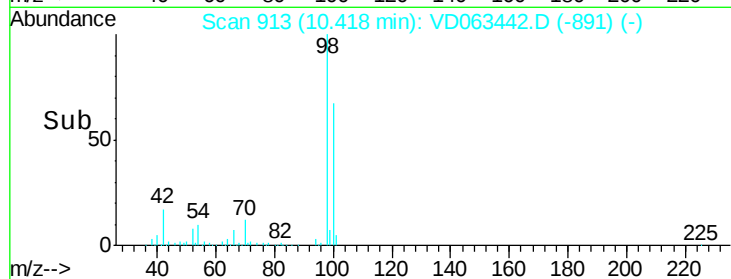
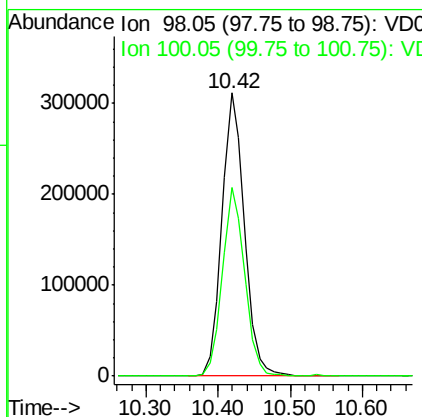
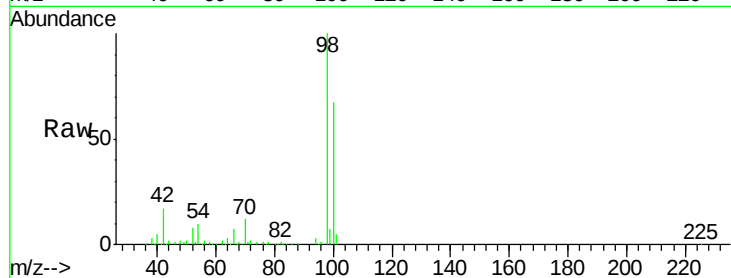




#50
Toluene-d8
Concen: 38.746 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063442.D
Acq: 8 Aug 2019 16:58

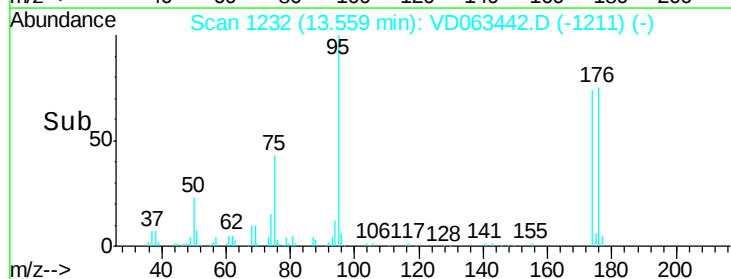
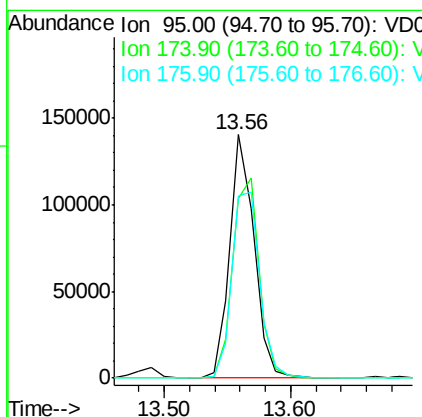
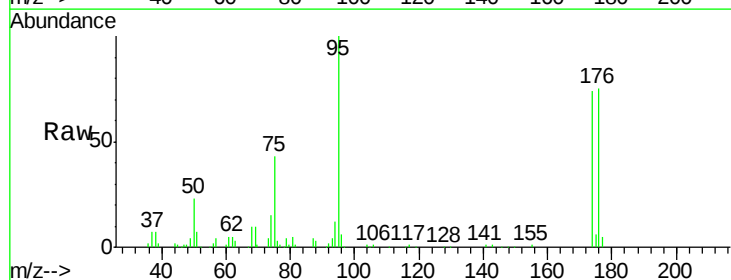
Instrument :
MSVOA_D
ClientSampleId :
SP-4

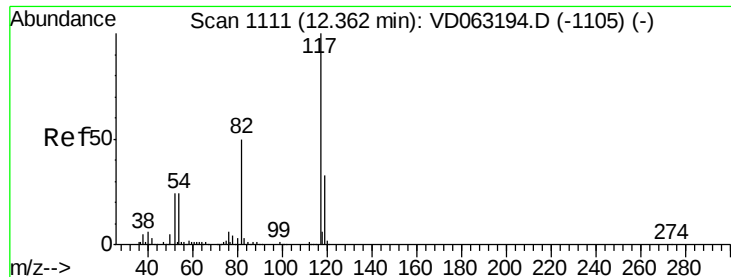
Tot Ion: 98 Resp: 674131
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8



#62
4-Bromofluorobenzene
Concen: 23.584 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063442.D
Acq: 8 Aug 2019 16:58

Tgt Ion: 95 Resp: 186988
Ion Ratio Lower Upper
95 100
174 73.8 0.0 205.4
176 74.9 0.0 211.8

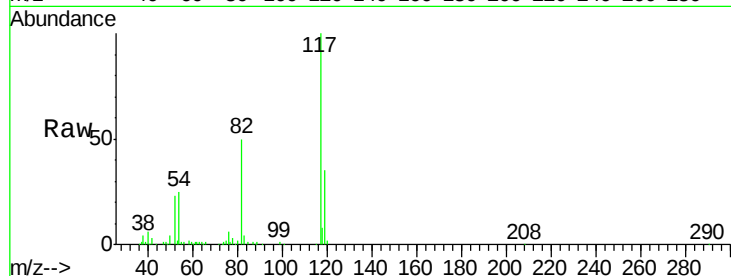




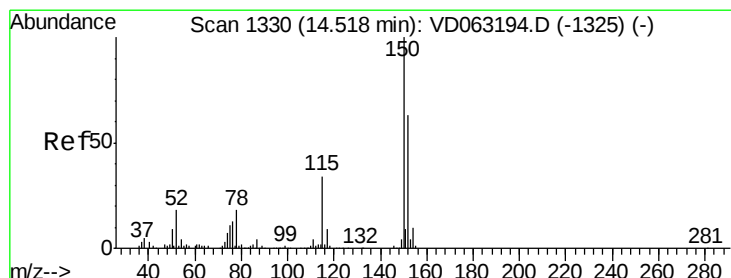
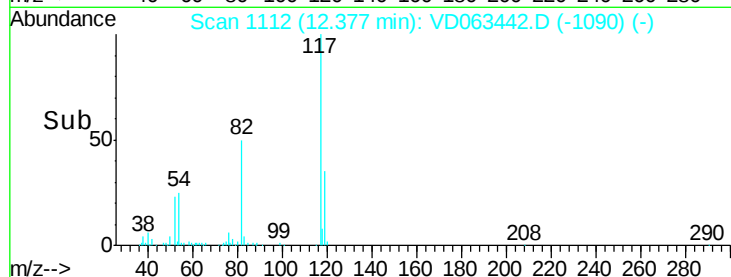
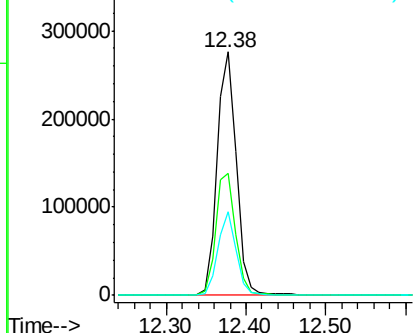
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063442.D
Acq: 8 Aug 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
SP-4

Tot Ion:117 Resp: 472291
Ion Ratio Lower Upper
117 100
82 50.2 40.1 60.1
119 34.6 26.5 39.7

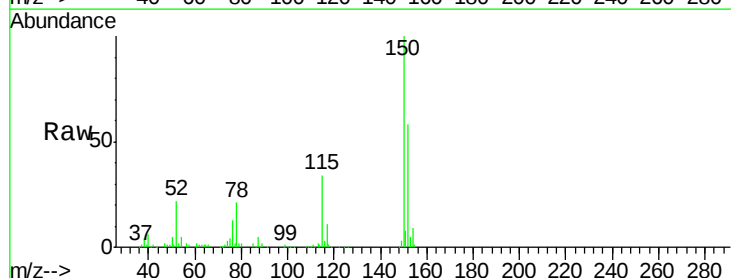


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

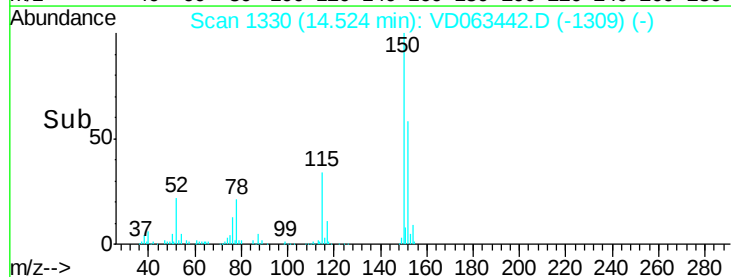
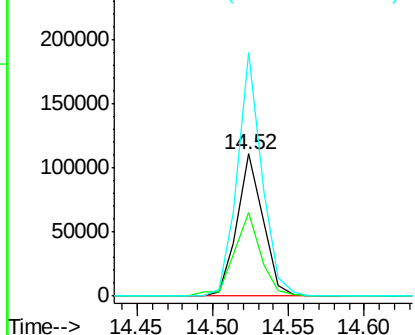


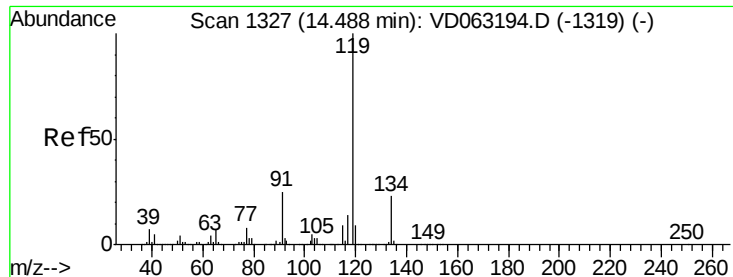
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063442.D
Acq: 8 Aug 2019 16:58

Tgt Ion:152 Resp: 131386
Ion Ratio Lower Upper
152 100
115 59.0 27.5 82.4
150 171.1 0.0 320.6



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





#86

p-Isopropyltoluene

Concen: 4.061 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD063442.D

Acq: 8 Aug 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

SP-4

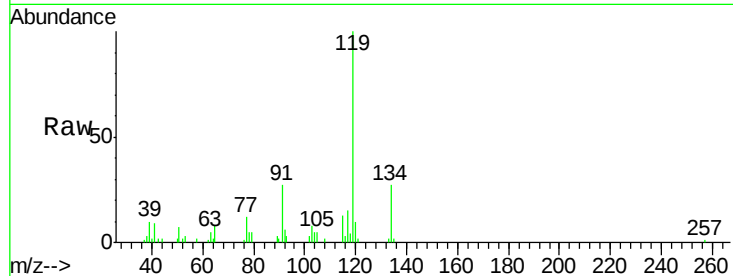
Tot Ion:119 Resp: 33162

Ion Ratio Lower Upper

119 100

134 26.9 11.5 34.5

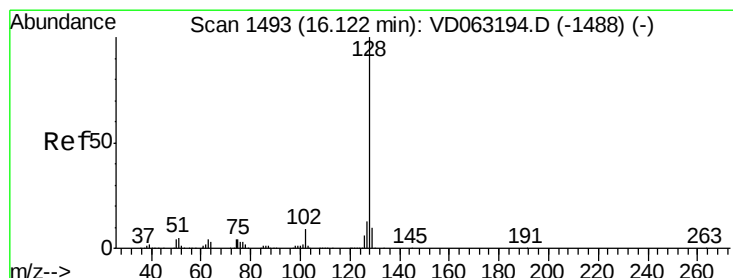
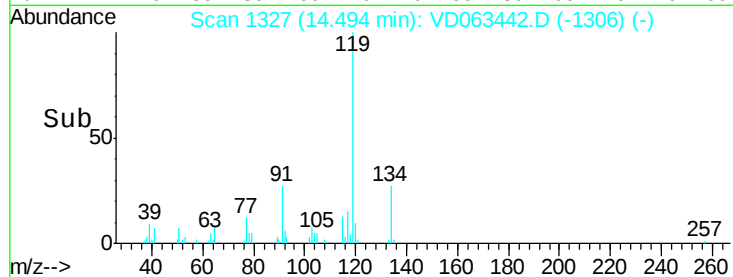
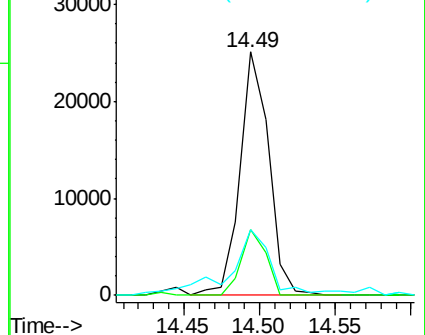
91 26.9 12.6 37.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



#95

Naphthalene

Concen: 3.281 ug/l

RT: 16.13 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD063442.D

Acq: 8 Aug 2019 16:58

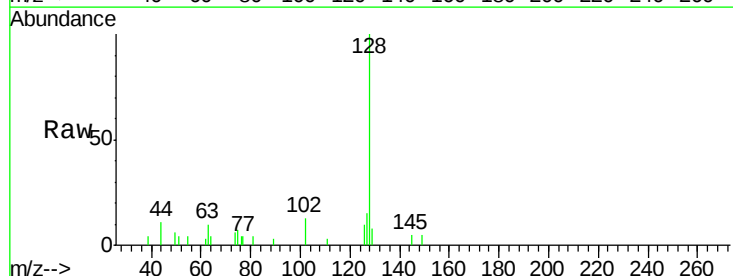
Tgt Ion:128 Resp: 13333

Ion Ratio Lower Upper

128 100

127 14.7 10.2 15.4

129 8.1 7.8 11.8



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

