

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003184.D
 Acq On : 05 Jul 2018 20:34
 Operator : JC/MD
 Sample : J3852-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HC-SOIL-1

Quant Time: Jul 06 01:47:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

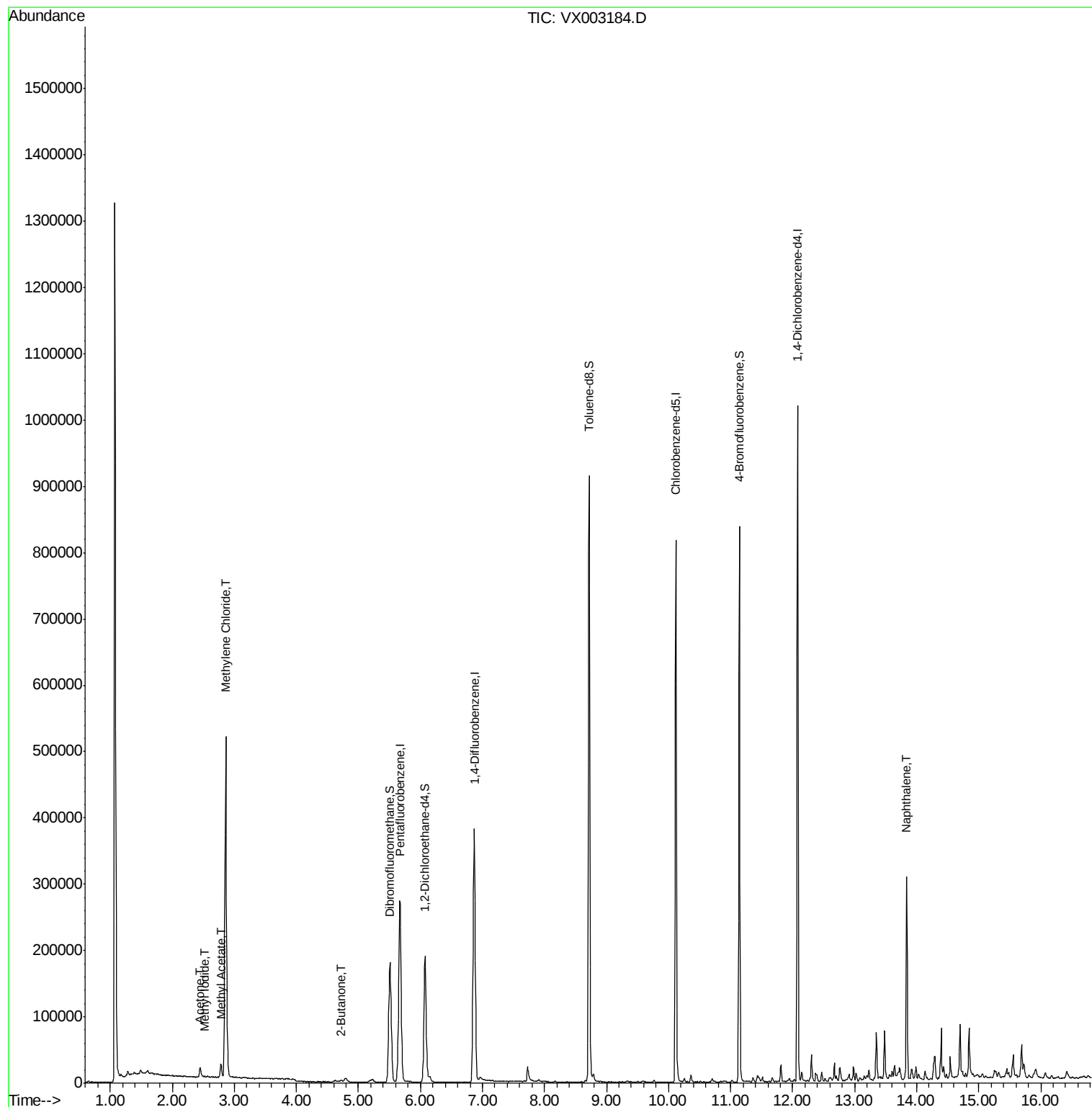
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	393623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	367087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220742	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	178824	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
35) Dibromofluoromethane	5.51	113	149495	47.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.92%	
50) Toluene-d8	8.72	98	550006	48.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.14	95	195318	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	
Target Compounds						
10) Methyl Iodide	2.52	142	1869	6.74	ug/l	92
16) Acetone	2.45	43	16893	10.45	ug/l	98
18) Methyl Acetate	2.78	43	24394	5.40	ug/l	96
20) Methylene Chloride	2.86	84	243145	77.33	ug/l	94
25) 2-Butanone	4.72	43	4622	1.93	ug/l #	86
95) Naphthalene	13.83	128	196672	13.02	ug/l	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

Instrument :

MSVOA_X

ClientSampleId :

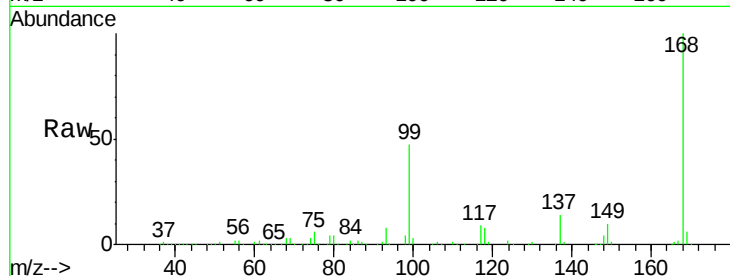
HC-SOIL-1

Tot Ion:168 Resp: 282279

Ion Ratio Lower Upper

168 100

99 47.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

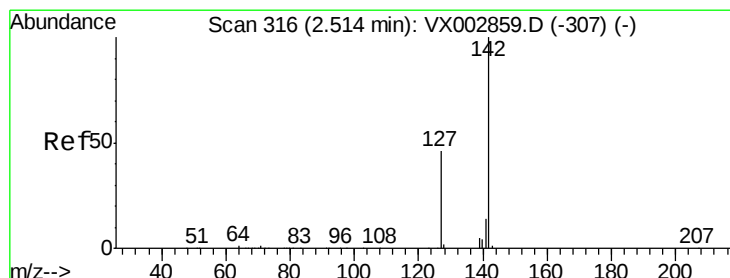
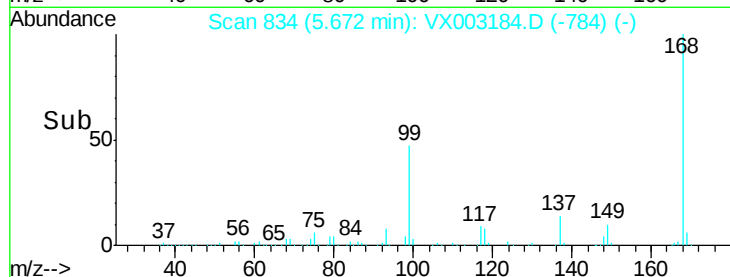
20000

0

5.67

5.50 5.60 5.70 5.80

Time-->



#10

Methyl Iodide

Concen: 6.74 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

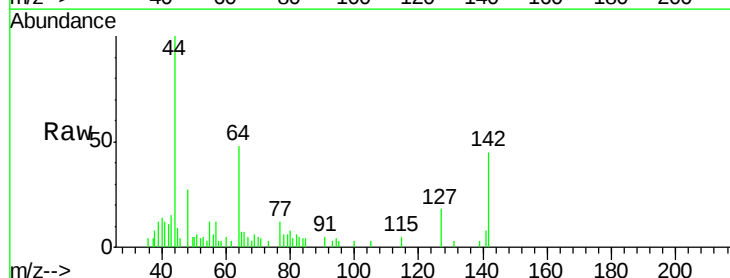
Tgt Ion:142 Resp: 1869

Ion Ratio Lower Upper

142 100

127 51.5 36.6 55.0

141 16.6 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1200

1000

800

600

400

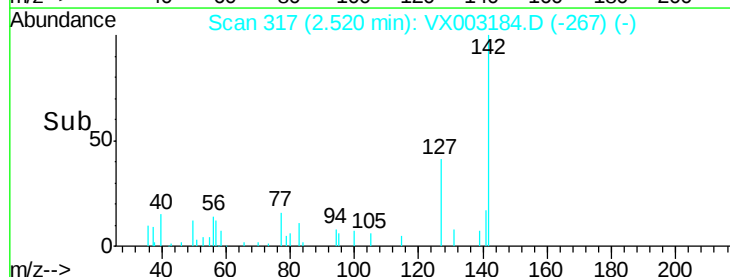
200

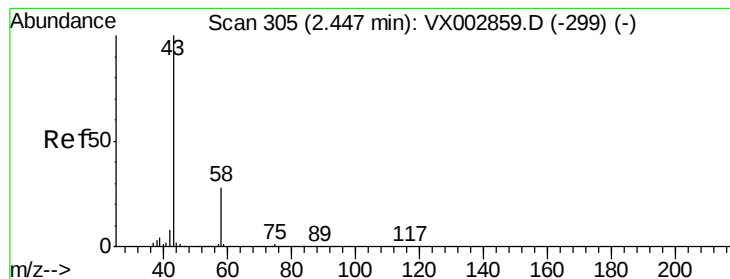
0

2.52

2.45 2.50 2.55 2.60

Time-->





#16

Acetone

Concen: 10.45 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

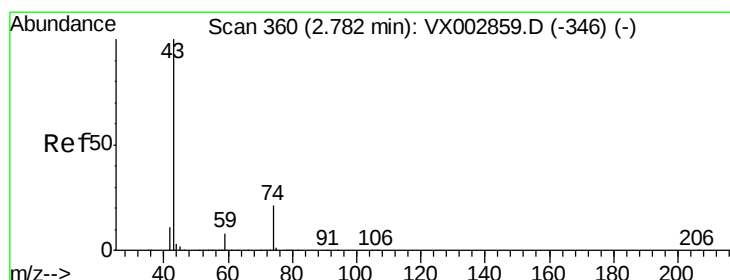
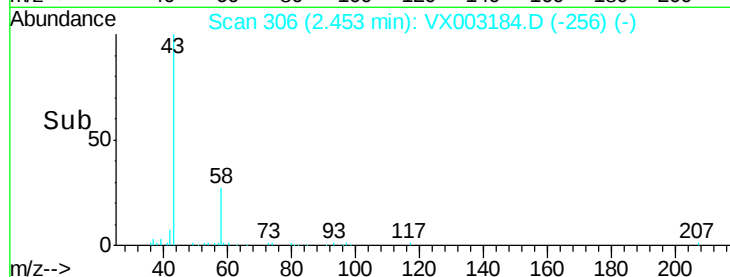
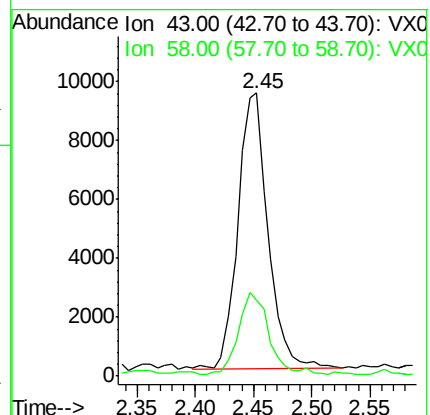
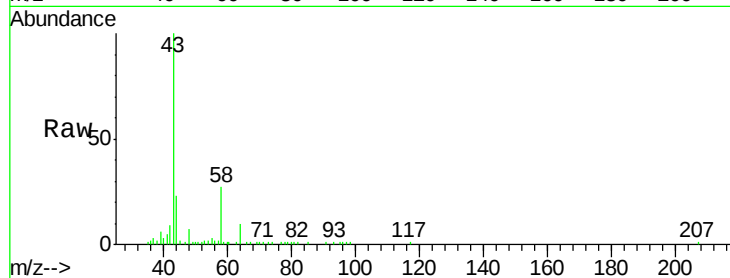
HC-SOIL-1

Tot Ion: 43 Resp: 16893

Ion Ratio Lower Upper

43 100

58 26.7 22.1 33.1



#18

Methyl Acetate

Concen: 5.40 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003184.D

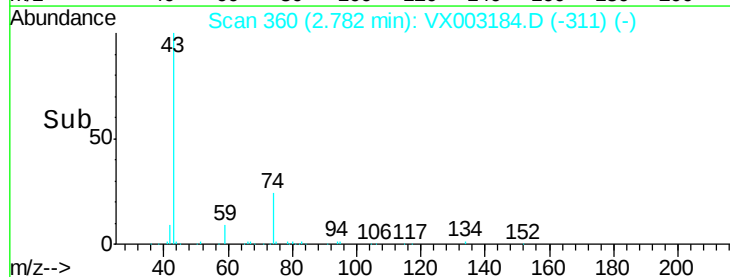
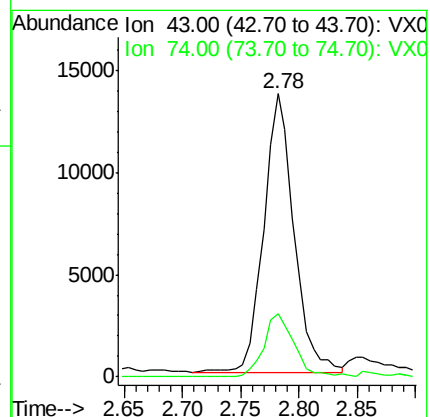
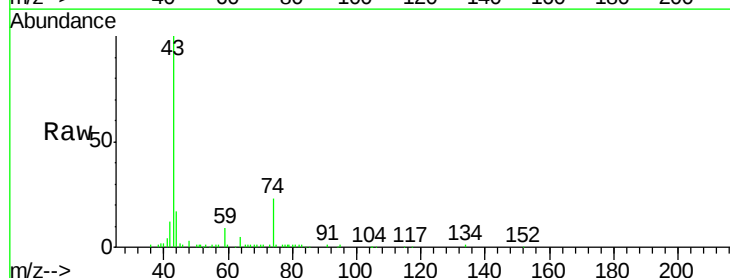
Acq: 05 Jul 2018 20:34

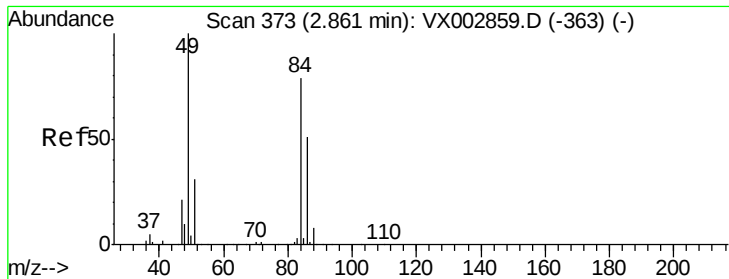
Tgt Ion: 43 Resp: 24394

Ion Ratio Lower Upper

43 100

74 22.9 16.7 25.1





#20

Methylene Chloride

Concen: 77.33 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

Instrument :

MSVOA_X

ClientSampleId :

HC-SOIL-1

Tot Ion: 84 Resp: 243145

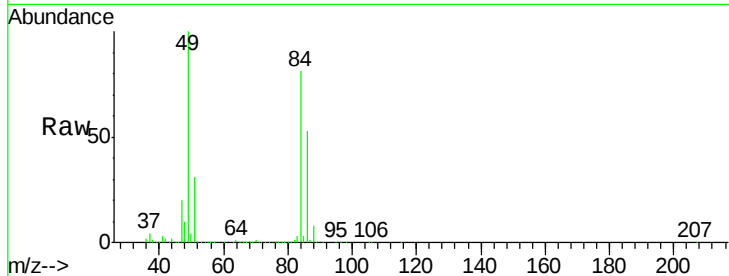
Ion Ratio Lower Upper

84 100

49 123.2 107.8 161.6

51 38.0 32.8 49.2

86 65.3 52.5 78.7



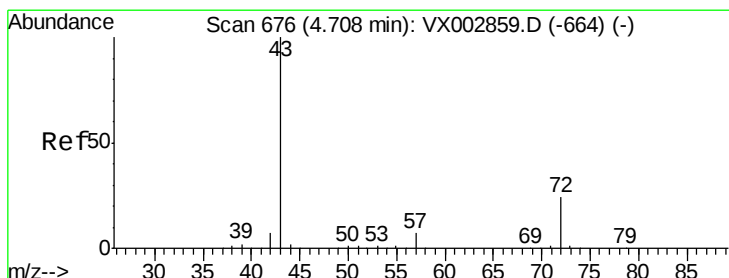
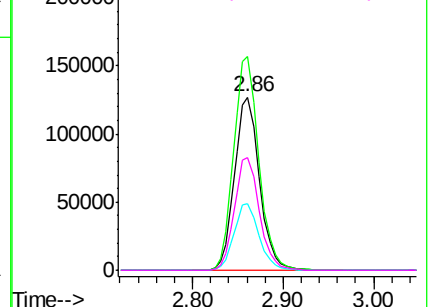
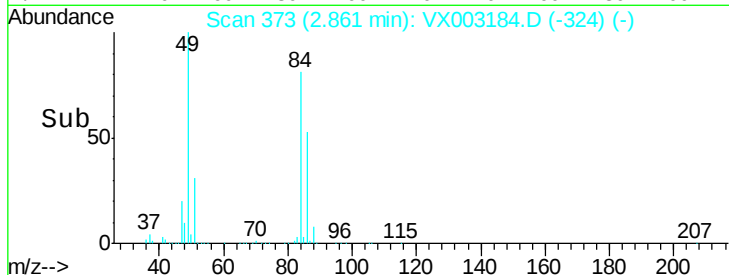
Abundance

Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 1.93 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003184.D

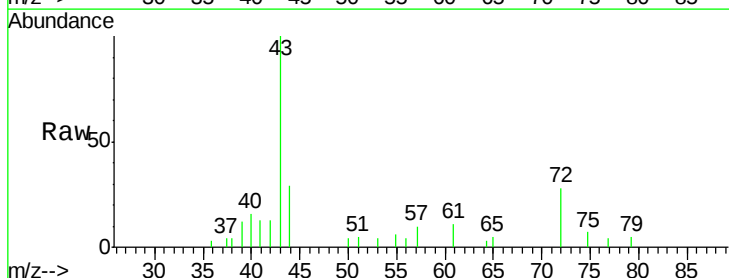
Acq: 05 Jul 2018 20:34

Tgt Ion: 43 Resp: 4622

Ion Ratio Lower Upper

43 100

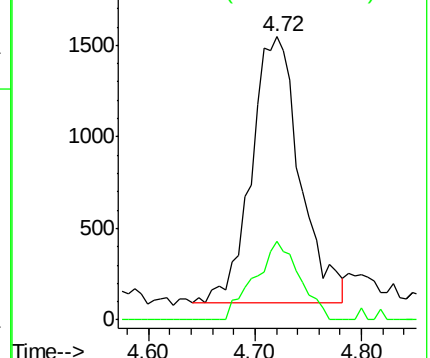
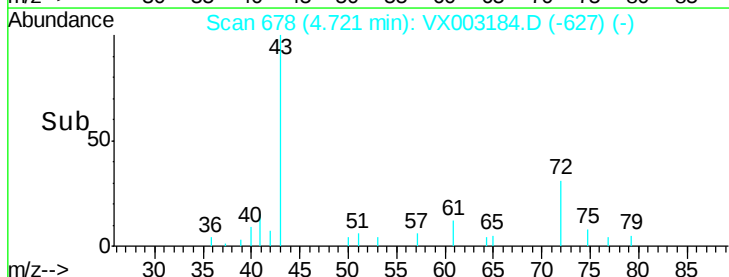
72 29.8 18.5 27.7#

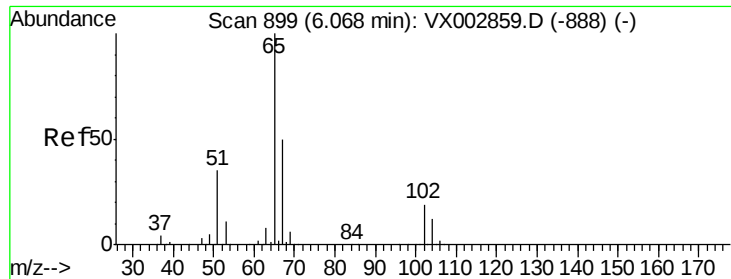


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

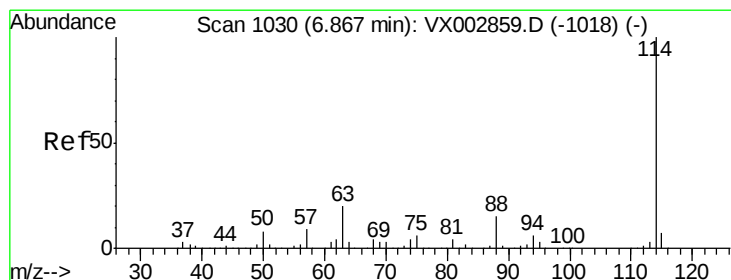
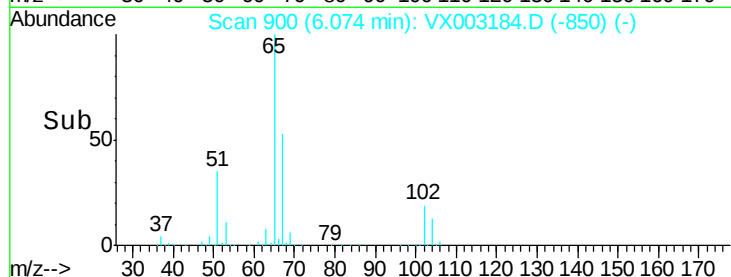
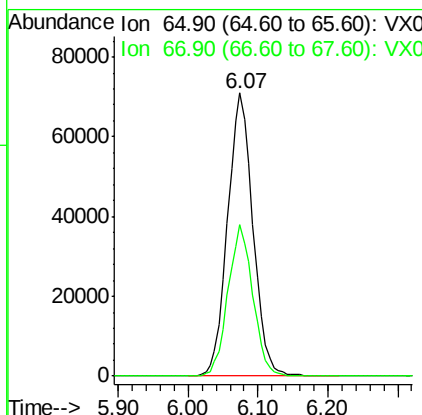
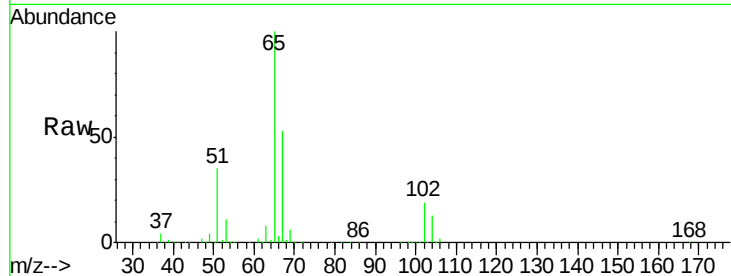




#33
 1,2-Dichloroethane-d4
 Concen: 45.83 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003184.D
 Acq: 05 Jul 2018 20:34

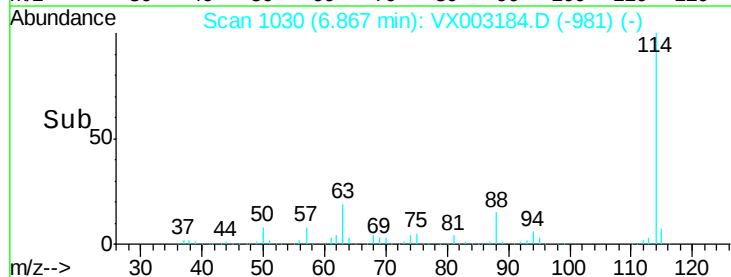
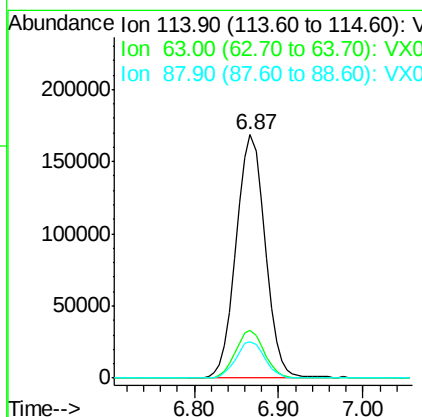
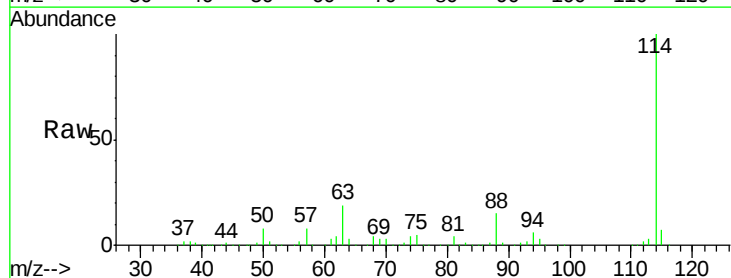
Instrument :
 MSVOA_X
 ClientSampleId :
 HC-SOIL-1

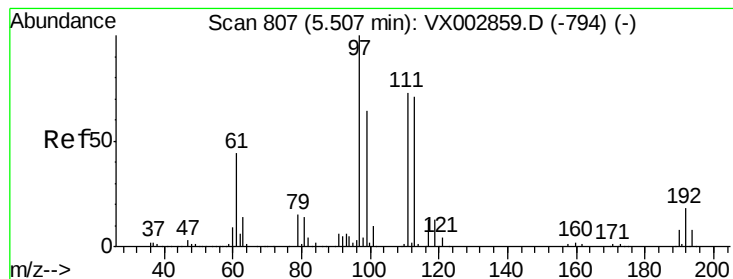
Tot Ion: 65 Resp: 178824
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003184.D
 Acq: 05 Jul 2018 20:34

Tgt Ion: 114 Resp: 393623
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 41.4
 88 14.8 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.96 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

Instrument :

MSVOA_X

ClientSampled :

HC-SOIL-1

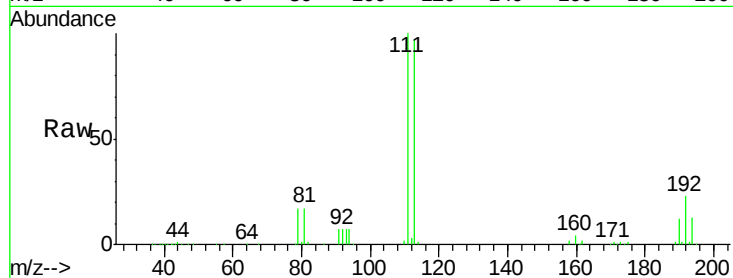
Tot Ion:113 Resp: 149495

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

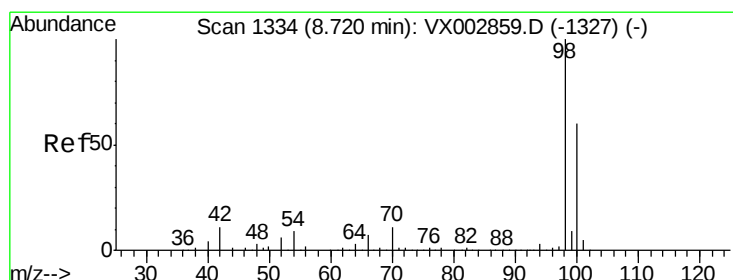
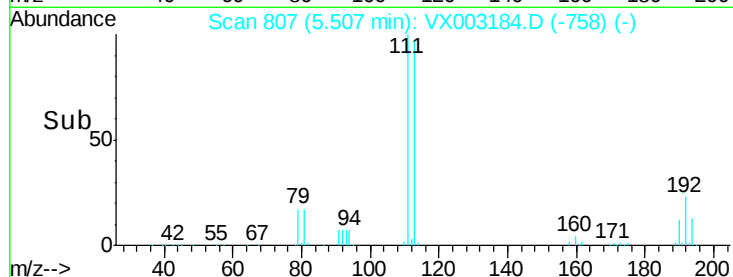
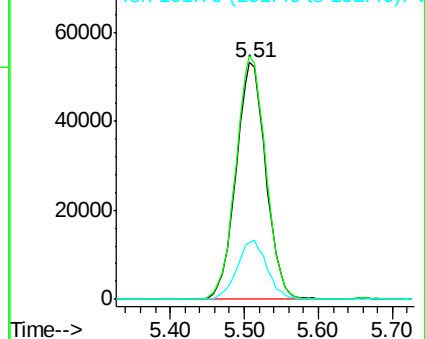
192 24.9 19.1 28.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#50

Toluene-d8

Concen: 48.32 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003184.D

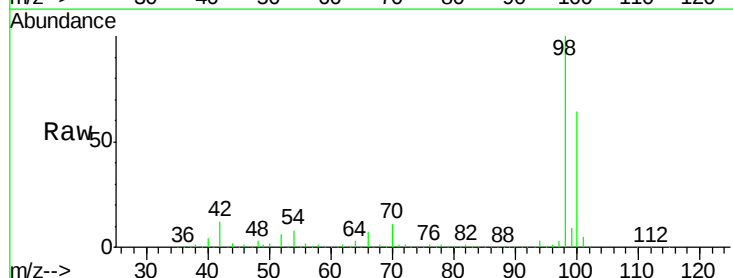
Acq: 05 Jul 2018 20:34

Tgt Ion: 98 Resp: 550006

Ion Ratio Lower Upper

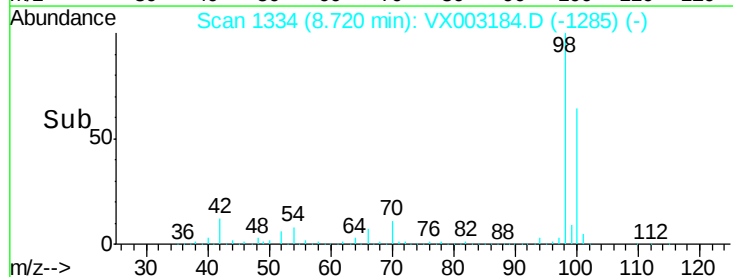
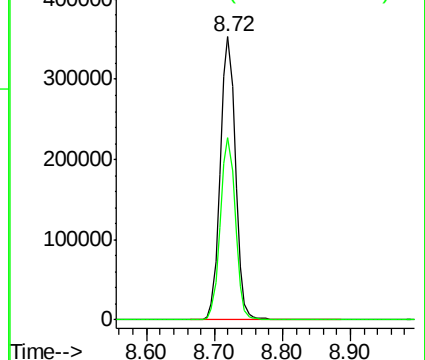
98 100

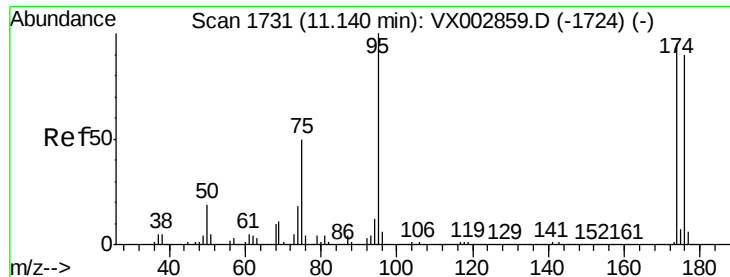
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

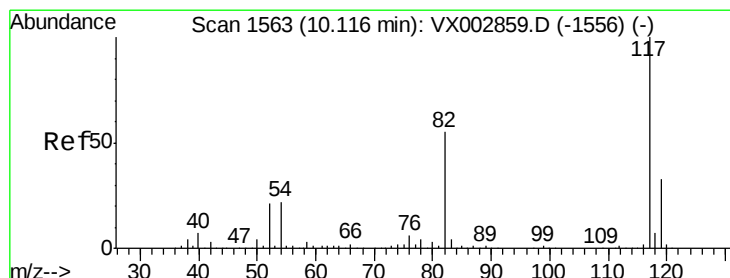
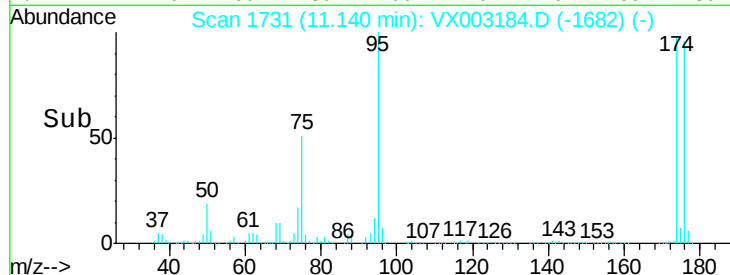
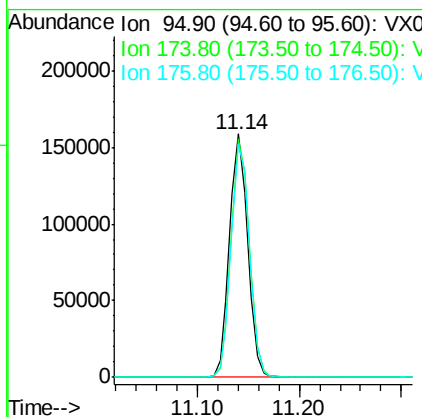
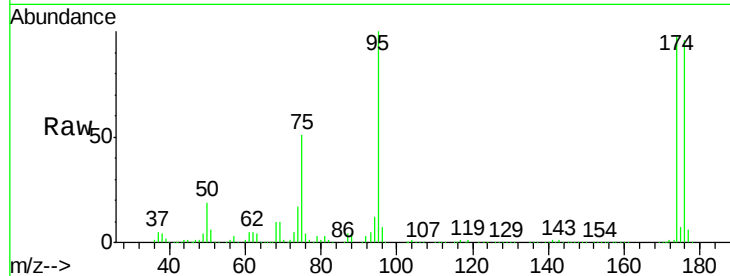




#62
4-Bromofluorobenzene
Concen: 44.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003184.D
Acq: 05 Jul 2018 20:34

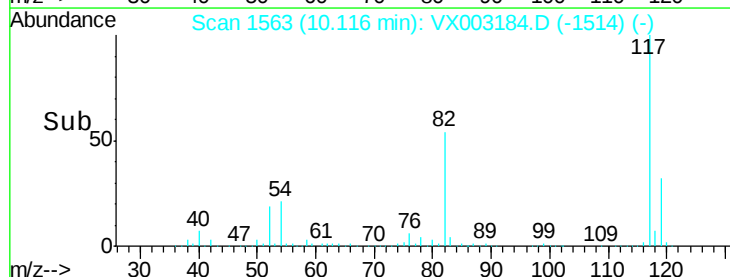
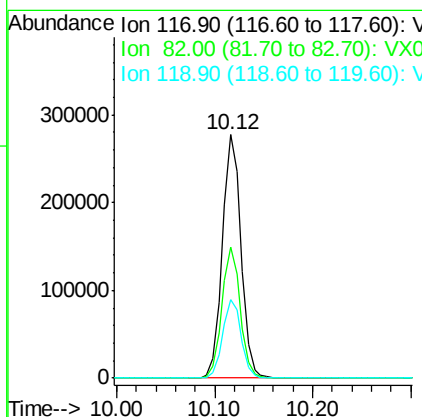
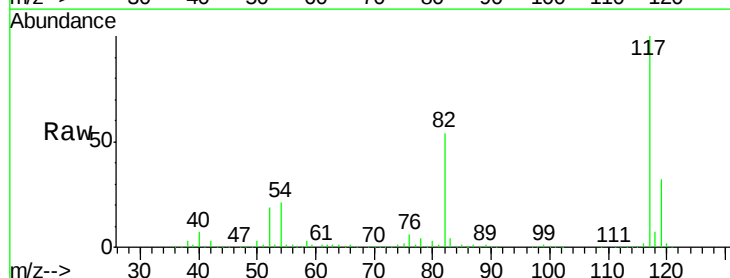
Instrument :
MSVOA_X
ClientSampled :
HC-SOIL-1

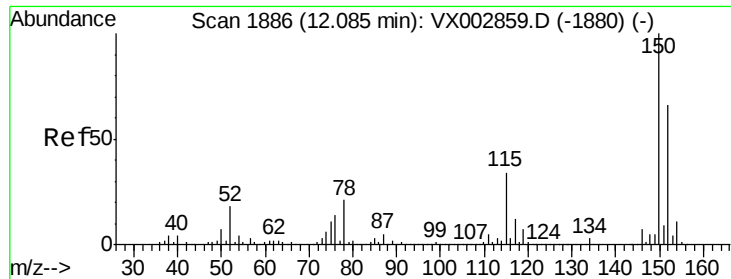
Tot Ion: 95 Resp: 195318
Ion Ratio Lower Upper
95 100
174 98.7 0.0 187.4
176 96.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003184.D
Acq: 05 Jul 2018 20:34

Tgt Ion: 117 Resp: 367087
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

Instrument :

MSVOA_X

ClientSampleId :

HC-SOIL-1

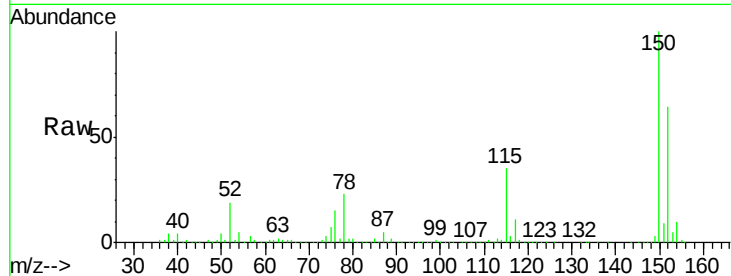
Tot Ion:152 Resp: 220742

Ion Ratio Lower Upper

152 100

115 53.3 40.1 120.2

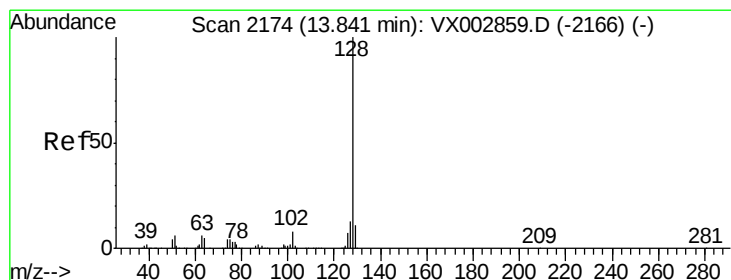
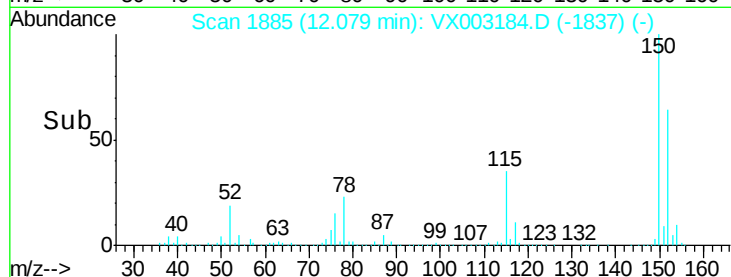
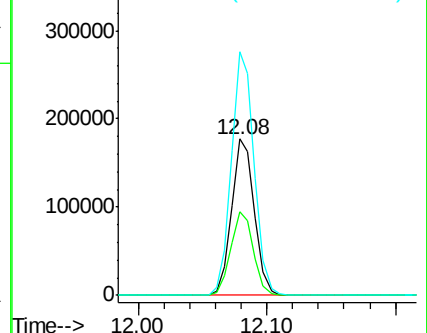
150 155.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene

Concen: 13.02 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003184.D

Acq: 05 Jul 2018 20:34

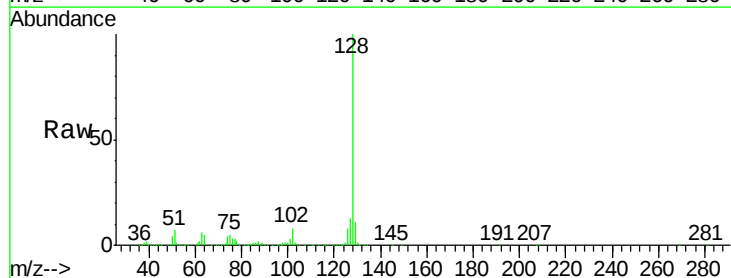
Tgt Ion:128 Resp: 196672

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.3 8.6 13.0



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

