

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091118\
 Data File : VX004479.D
 Acq On : 11 Sep 2018 21:28
 Operator : JC/MD
 Sample : J4842-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SG-SOIL

Quant Time: Sep 12 07:42:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 15:21:13 2018
 Response via : Initial Calibration

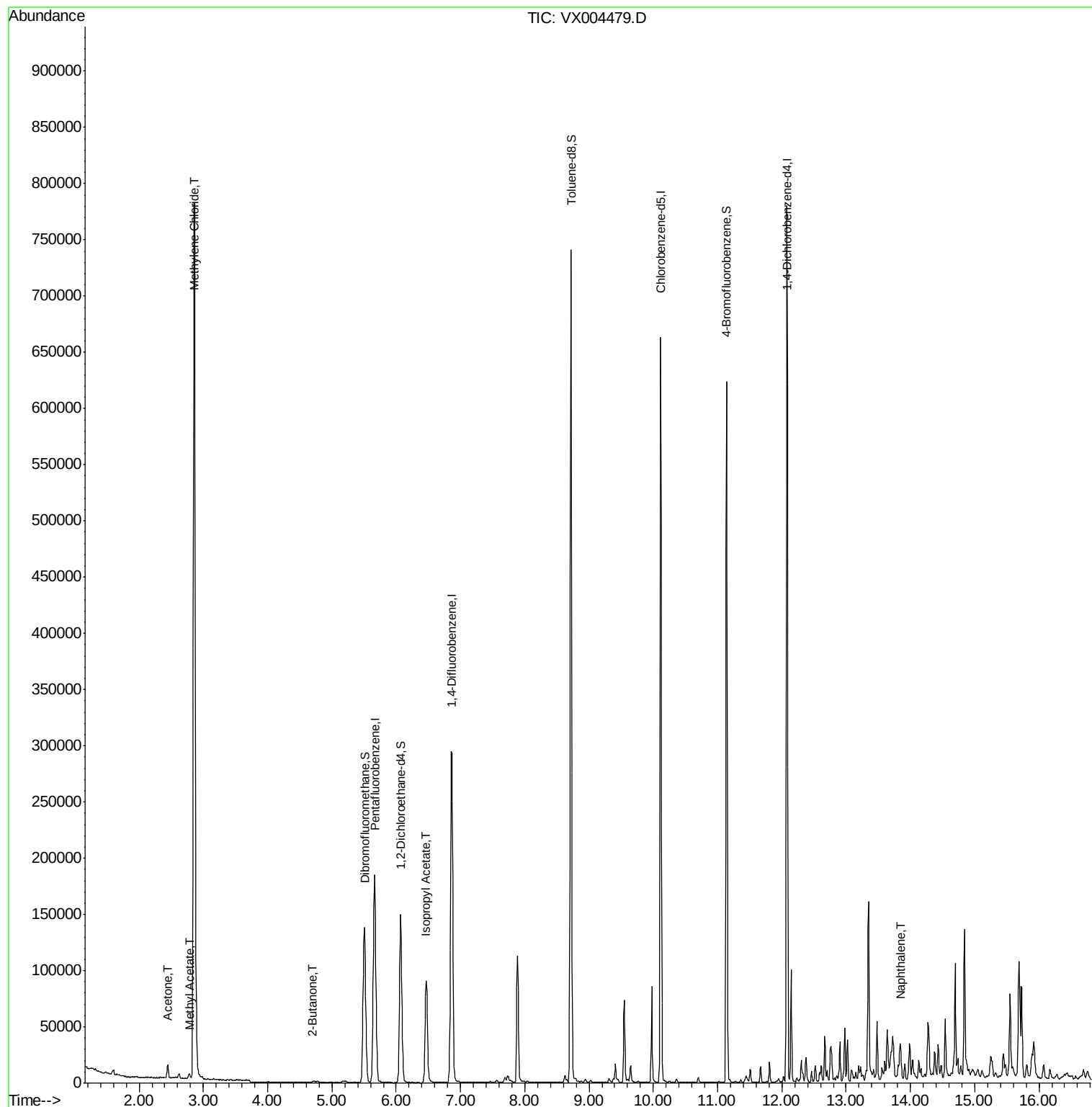
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	186746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305606	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161986	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	138404	57.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.96%	
35) Dibromofluoromethane	5.51	113	119361	42.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.36%	
50) Toluene-d8	8.72	98	444093	47.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.70%	
62) 4-Bromofluorobenzene	11.14	95	154582	46.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.36%	
Target Compounds						
16) Acetone	2.45	43	12267	10.44	ug/l	97
18) Methyl Acetate	2.78	43	5164	1.57	ug/l	98
20) Methylene Chloride	2.85	84	376771	156.28	ug/l	96
25) 2-Butanone	4.71	43	2966	1.59	ug/l	93
43) Isopropyl Acetate	6.46	43	120156	21.44	ug/l	98
95) Naphthalene	13.83	128	19347	1.75	ug/l #	89

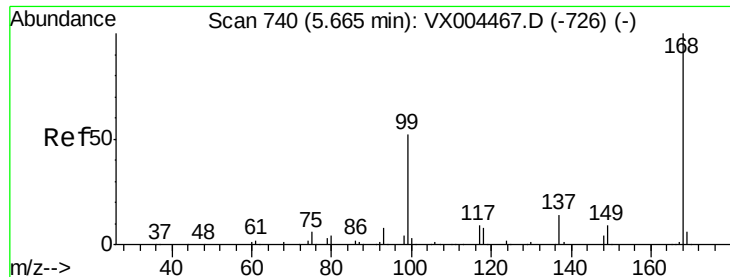
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 15:21:13 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

Instrument :

MSVOA_X

ClientSampled :

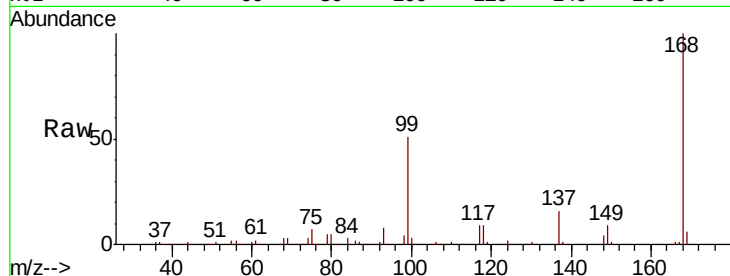
SG-SOIL

Tot Ion:168 Resp: 186746

Ion Ratio Lower Upper

168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

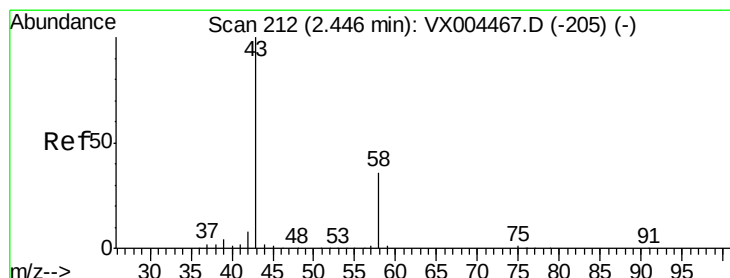
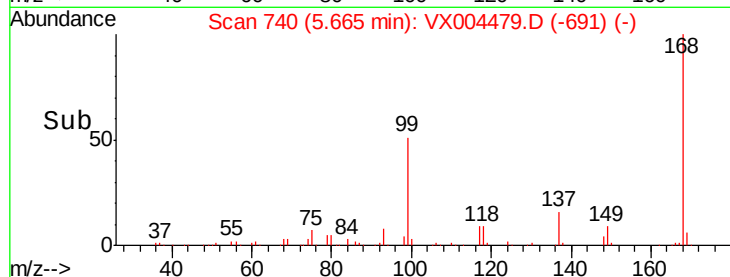
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 10.44 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004479.D

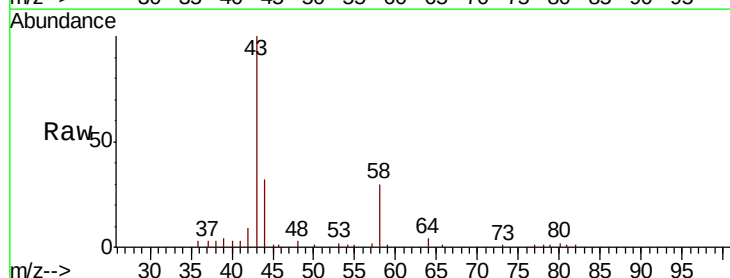
Acq: 11 Sep 2018 21:28

Tgt Ion: 43 Resp: 12267

Ion Ratio Lower Upper

43 100

58 30.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

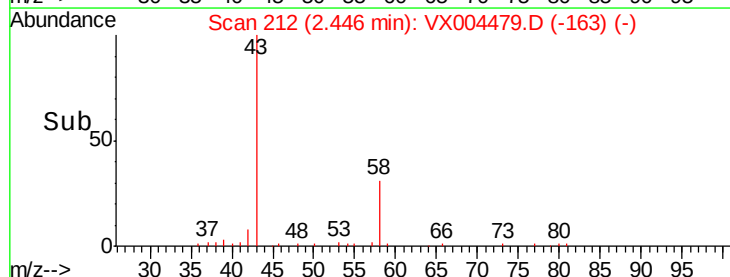
6000

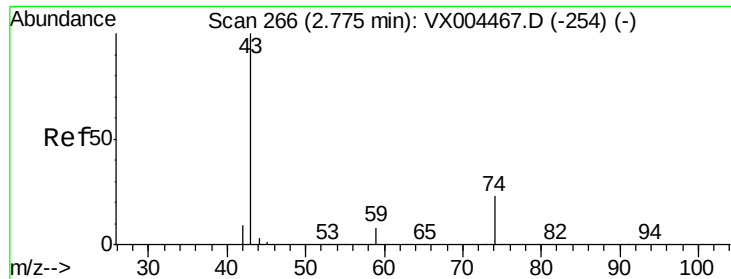
4000

2000

0

Time--> 2.40 2.50 2.60

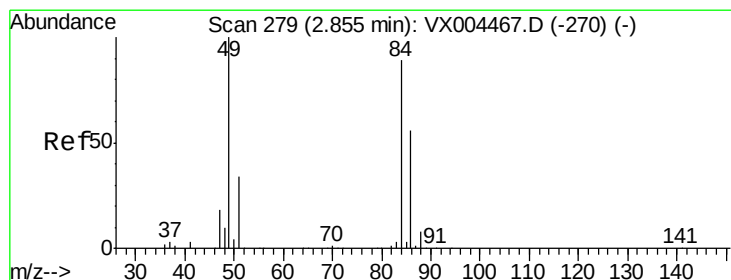
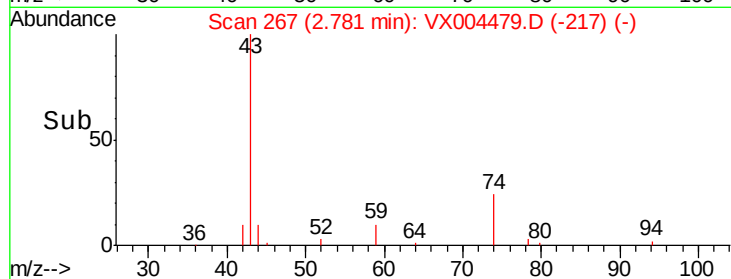
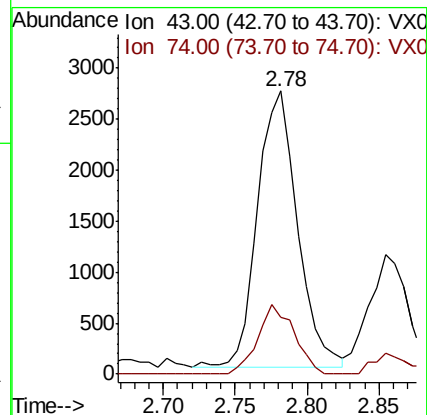
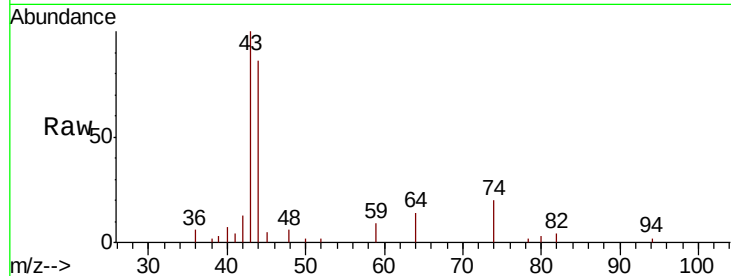




#18
Methyl Acetate
Concen: 1.57 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX004479.D
Acq: 11 Sep 2018 21:28

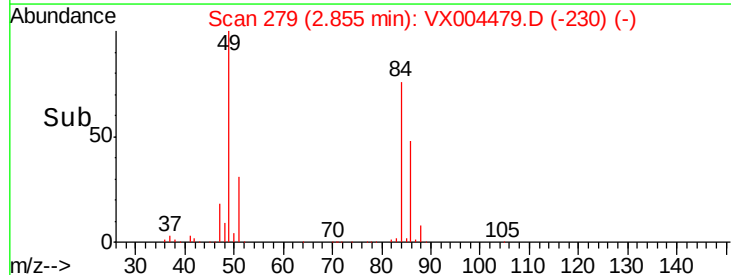
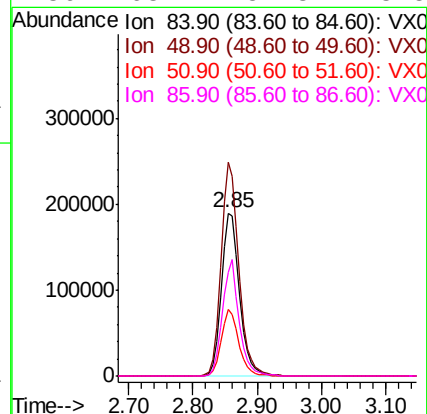
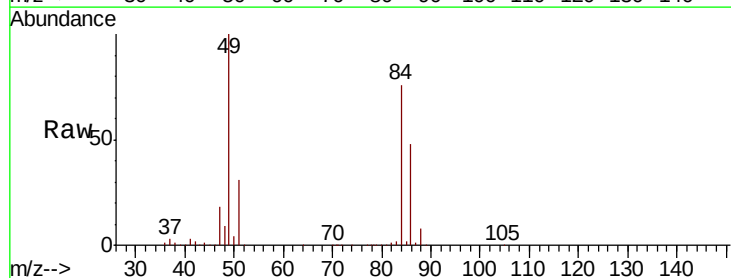
Instrument :
MSVOA_X
ClientSampleId :
SG-SOIL

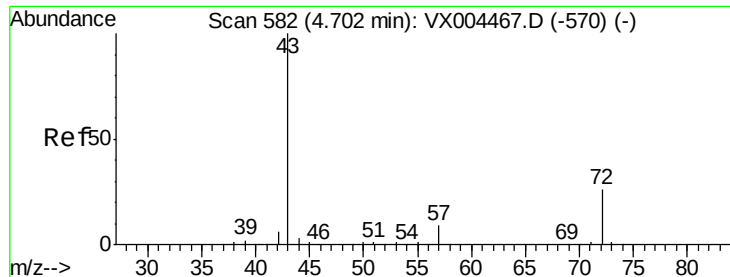
Tot Ion: 43 Resp: 5164
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2



#20
Methylene Chloride
Concen: 156.28 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004479.D
Acq: 11 Sep 2018 21:28

Tgt Ion: 84 Resp: 376771
Ion Ratio Lower Upper
84 100
49 130.9 101.2 151.8
51 40.5 29.5 44.3
86 63.2 52.3 78.5





#25

2-Butanone

Concen: 1.59 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

Instrument :

MSVOA_X

ClientSampled :

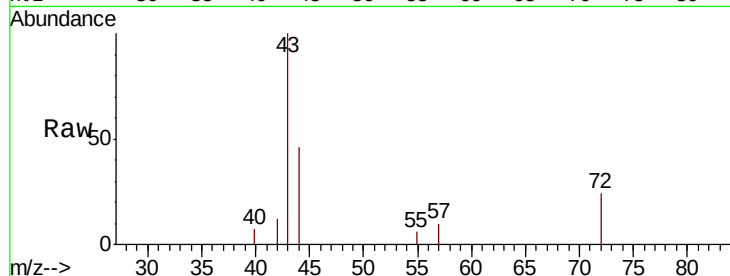
SG-SOIL

Tot Ion: 43 Resp: 2966

Ion Ratio Lower Upper

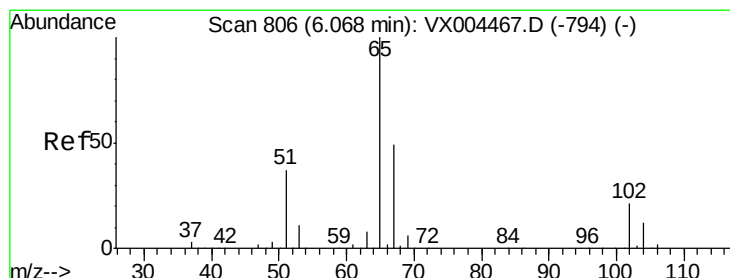
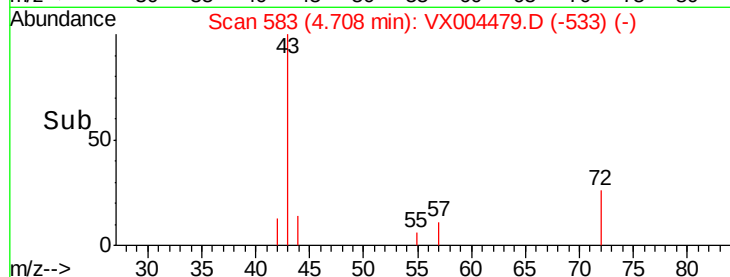
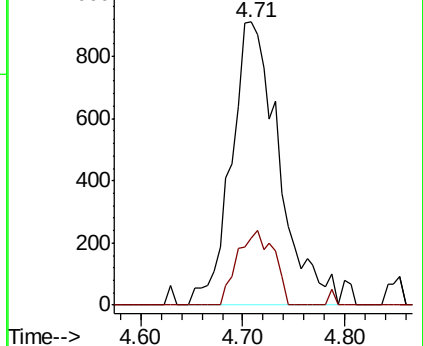
43 100

72 23.8 22.0 33.0



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: 57.48 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004479.D

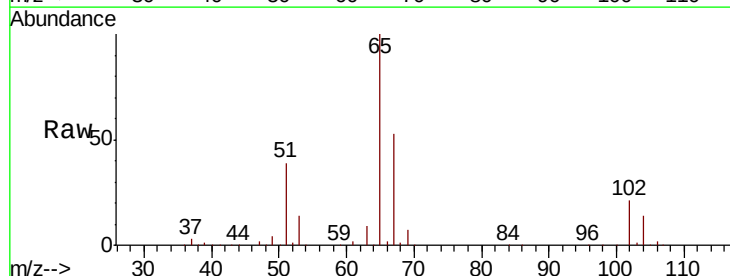
Acq: 11 Sep 2018 21:28

Tgt Ion: 65 Resp: 138404

Ion Ratio Lower Upper

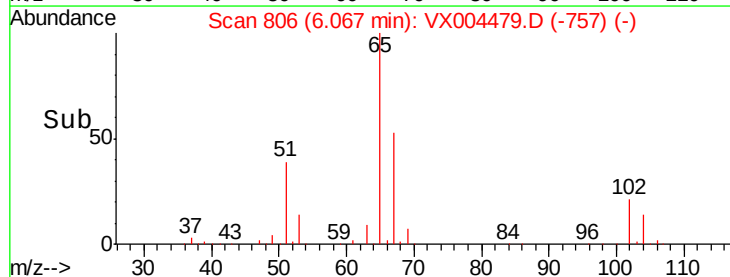
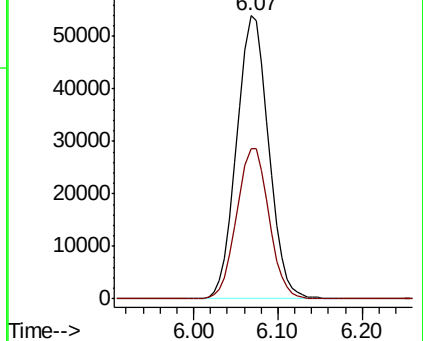
65 100

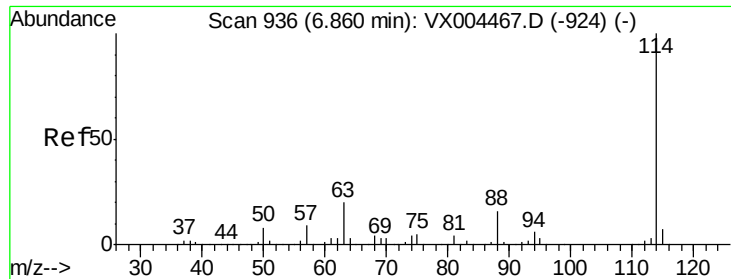
67 54.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

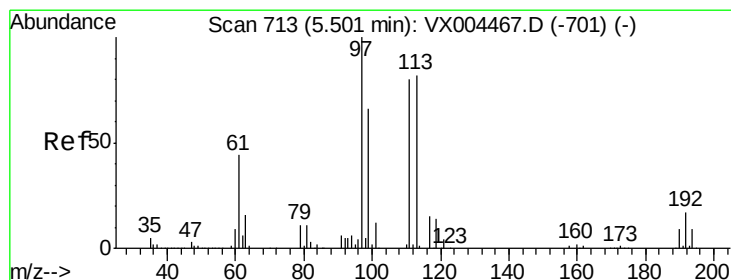
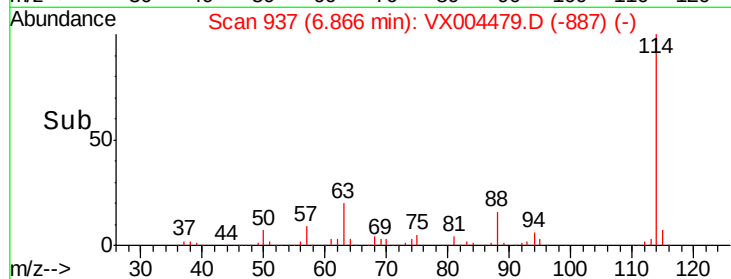
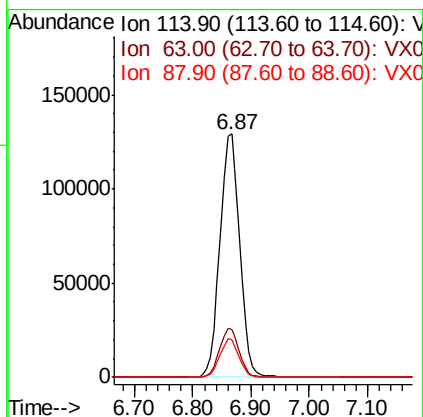
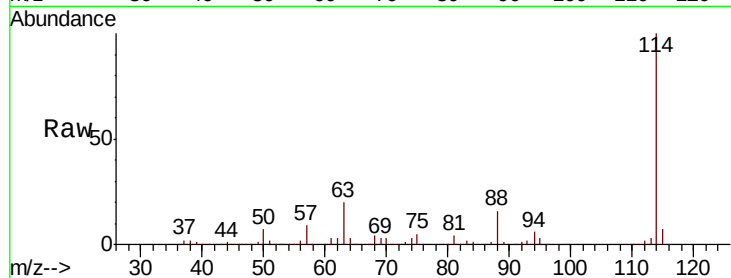




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004479.D
 Acq: 11 Sep 2018 21:28

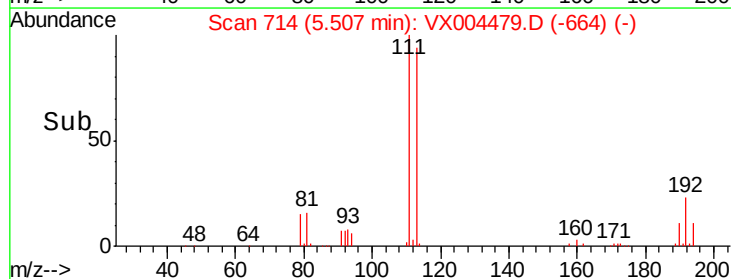
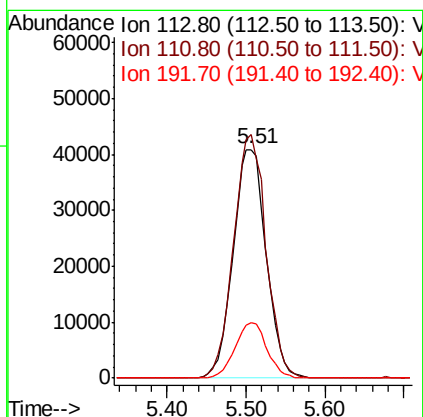
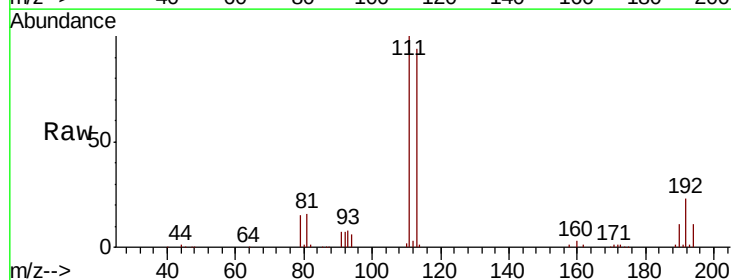
Instrument :
 MSVOA_X
 ClientSampleId :
 SG-SOIL

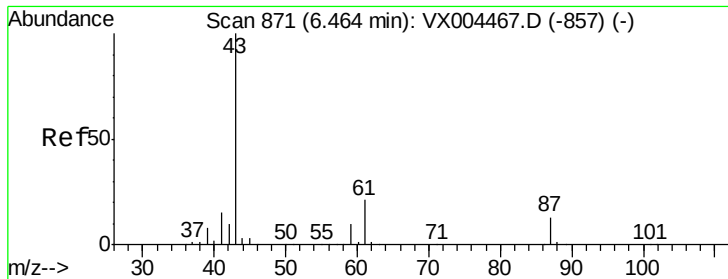
Tot Ion:114 Resp: 305606
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.5 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 42.68 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004479.D
 Acq: 11 Sep 2018 21:28

Tgt Ion:113 Resp: 119361
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 23.2 19.4 29.2





#43

Isopropyl Acetate

Concen: 21.44 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

Instrument :

MSVOA_X

ClientSampled :

SG-SOIL

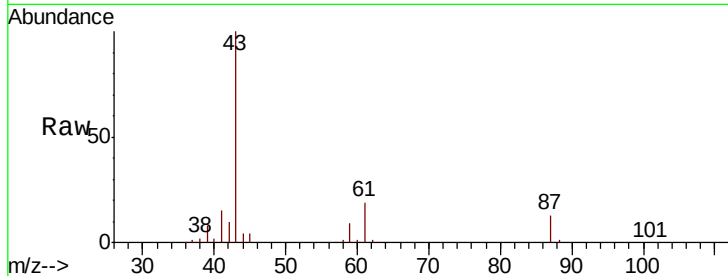
Tot Ion: 43 Resp: 120156

Ion Ratio Lower Upper

43 100

61 20.1 17.0 25.4

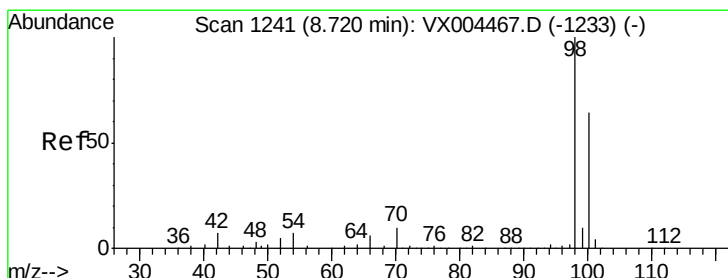
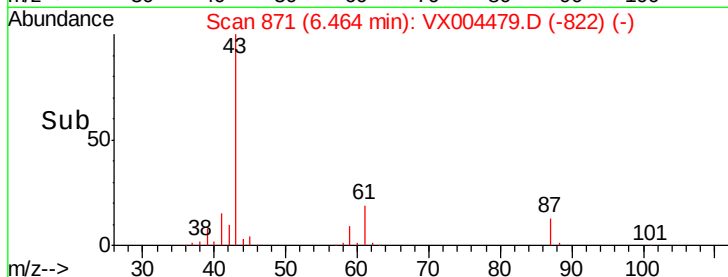
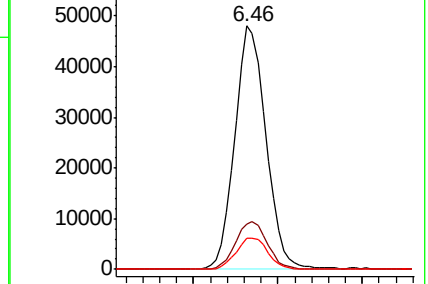
87 13.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.35 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004479.D

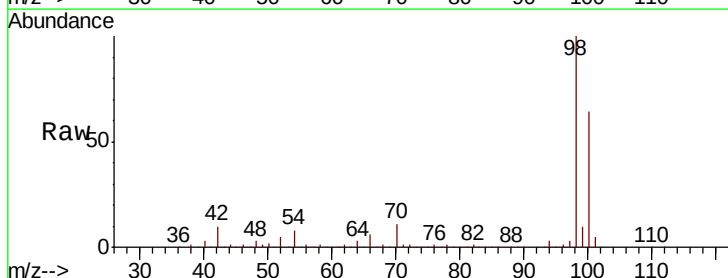
Acq: 11 Sep 2018 21:28

Tgt Ion: 98 Resp: 444093

Ion Ratio Lower Upper

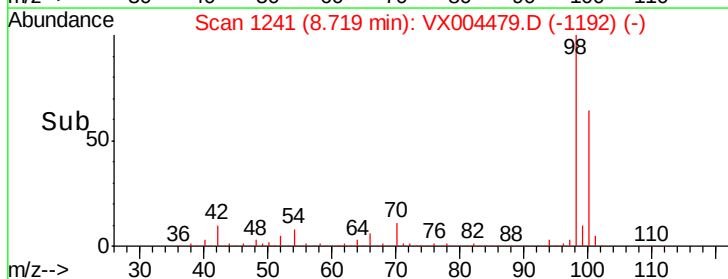
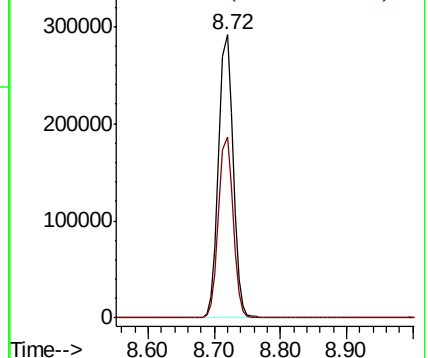
98 100

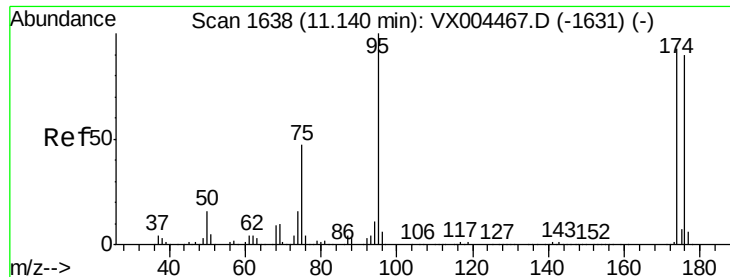
100 63.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.18 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

Instrument :

MSVOA_X

ClientSampleId :

SG-SOIL

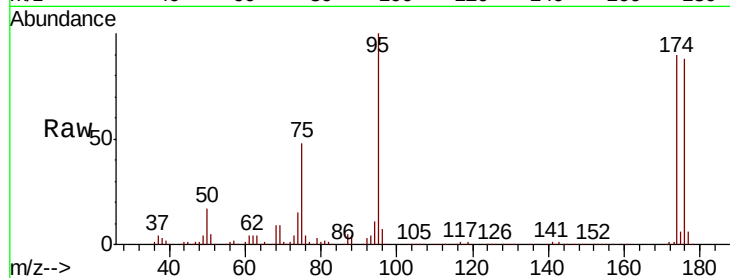
Tot Ion: 95 Resp: 154582

Ion Ratio Lower Upper

95 100

174 90.6 0.0 185.2

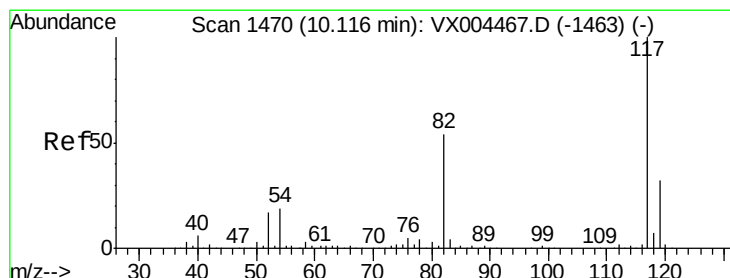
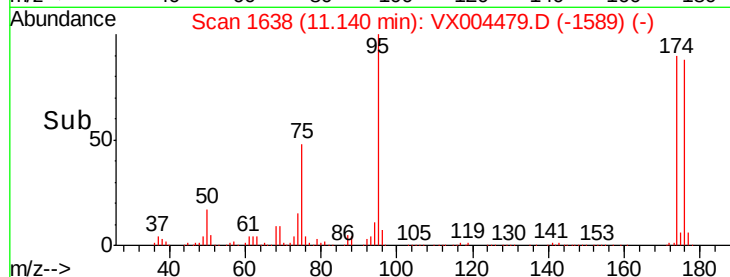
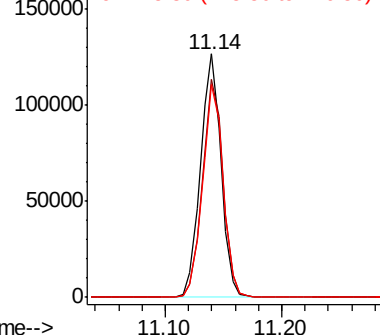
176 87.9 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

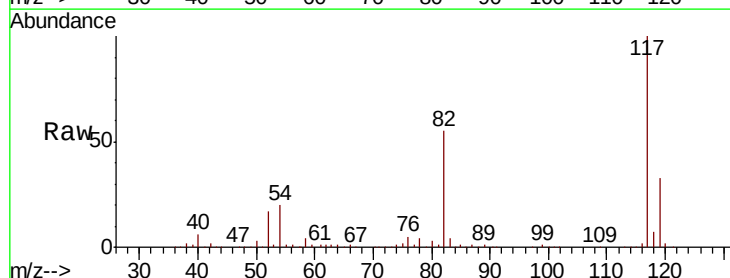
Tgt Ion: 117 Resp: 300217

Ion Ratio Lower Upper

117 100

82 54.8 47.8 71.6

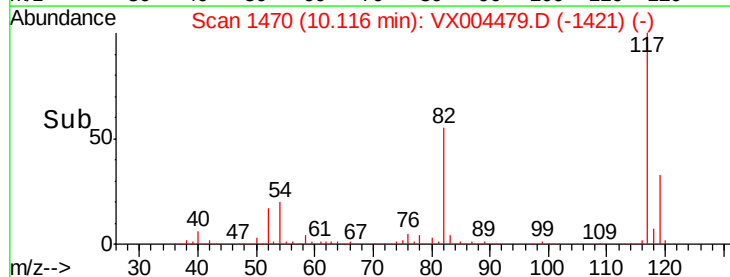
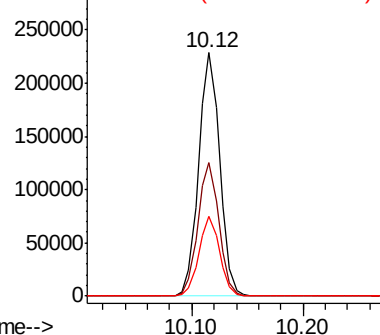
119 32.6 29.3 43.9

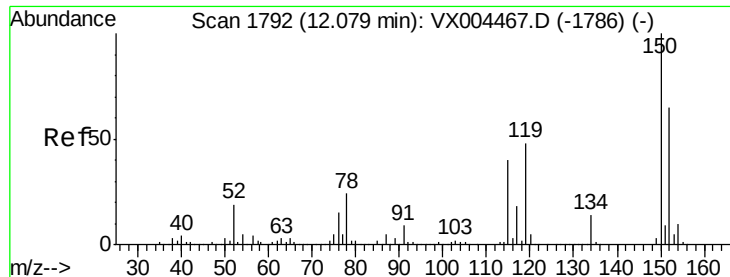


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

Instrument :

MSVOA_X

ClientSampled :

SG-SOIL

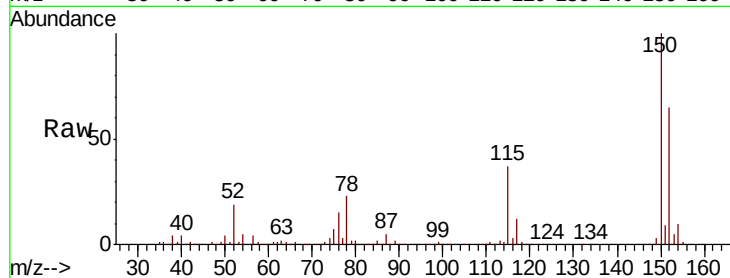
Tot Ion:152 Resp: 161986

Ion Ratio Lower Upper

152 100

115 55.4 39.0 117.0

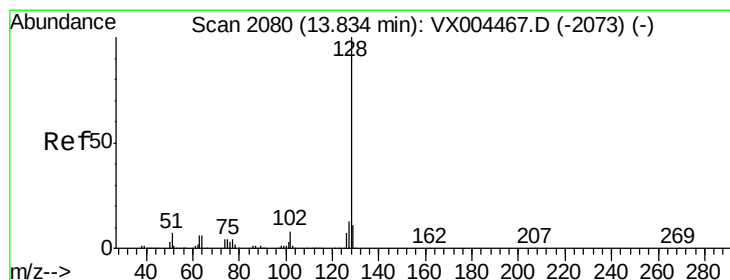
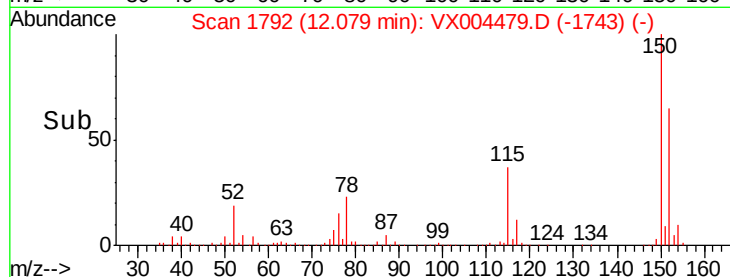
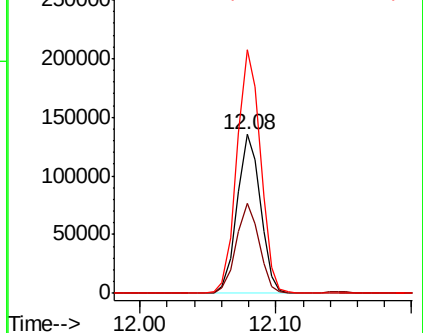
150 155.5 0.0 351.0



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: 1.75 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004479.D

Acq: 11 Sep 2018 21:28

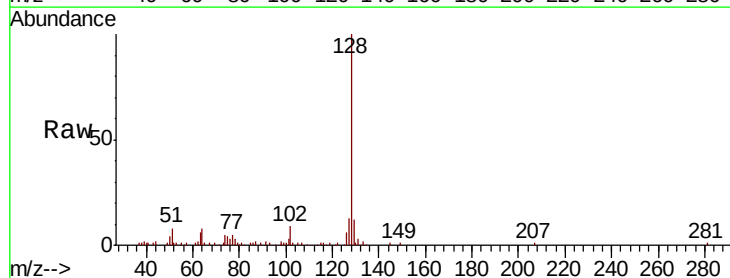
Tgt Ion:128 Resp: 19347

Ion Ratio Lower Upper

128 100

127 15.9 10.2 15.2#

129 15.8 8.6 12.8#



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

