

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081218\
 Data File : VW004580.D
 Acq On : 10 Aug 2018 04:34
 Operator : SY/AP
 Sample : J4355-01
 Misc : 5.60G/5ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-SOIL

Quant Time: Aug 10 07:59:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	313136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	85907	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	1562	0.70	ug/l	0.00
Spiked Amount			Recovery	=	1.40%	
35) Dibromofluoromethane	7.89	113	1357	0.65	ug/l	0.00
Spiked Amount			Recovery	=	1.30%	
50) Toluene-d8	10.32	98	3869	0.49	ug/l	0.00
Spiked Amount			Recovery	=	0.98%	
62) 4-Bromofluorobenzene	12.63	95	1224	0.43	ug/l	0.00
Spiked Amount			Recovery	=	0.86%	

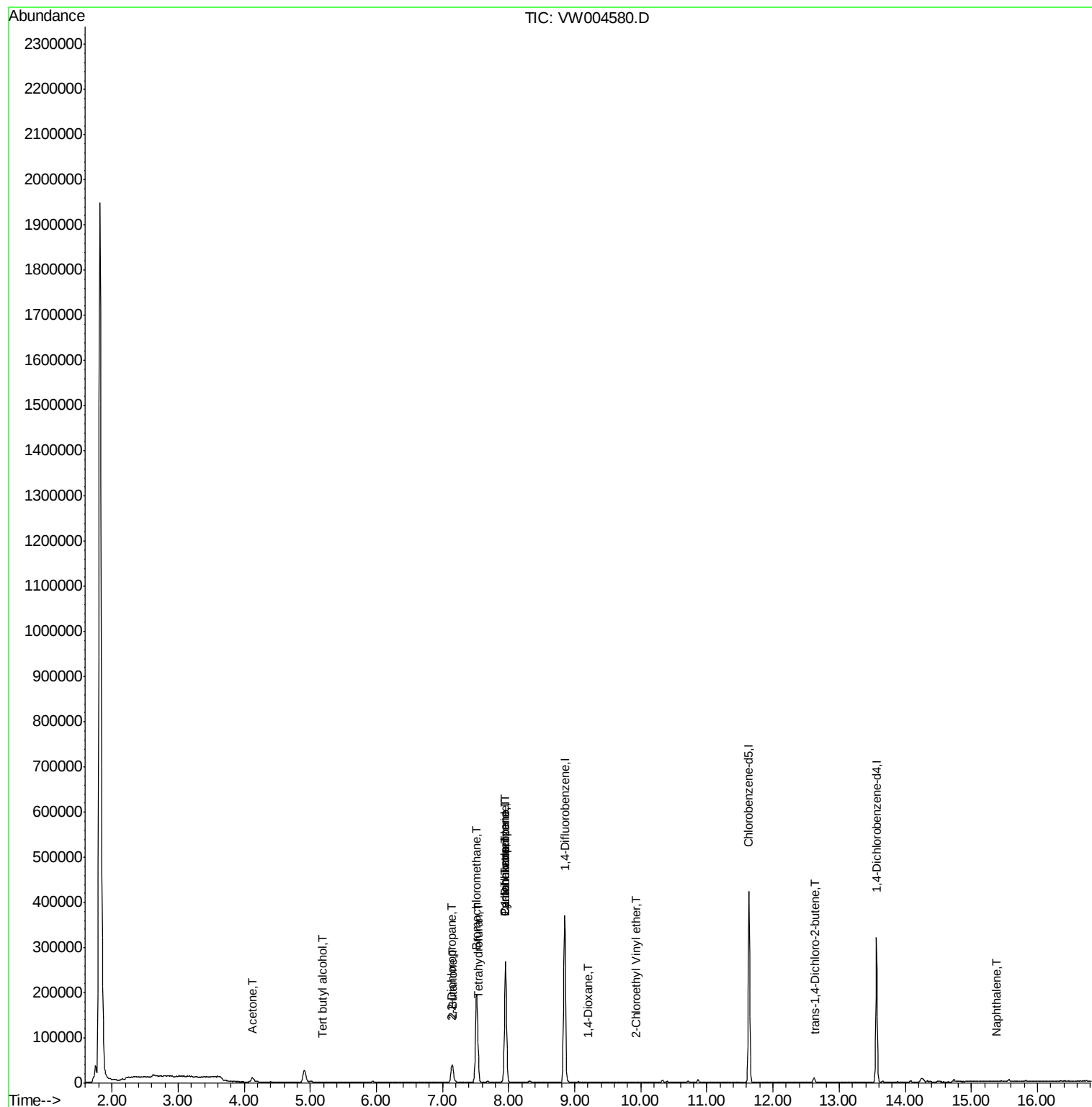
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	462	3.531	ug/l	95
16) Acetone	4.12	43	16694	29.915	ug/l	99
20) Methylene Chloride	4.91	84	19683	Below Cal		96
25) 2-Butanone	7.15	43	2877	3.205	ug/l #	49
26) 2,2-Dichloropropane	7.13	77	2624	1.143	ug/l #	50
28) Bromochloromethane	7.51	49	120834	63.481	ug/l	99
29) Tetrahydrofuran	7.54	42	548	1.181	ug/l #	61
31) Cyclohexane	7.95	56	4710	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16093	4.773	ug/l #	49
38) Carbon Tetrachloride	7.95	117	19196	6.327	ug/l #	18
49) 1,4-Dioxane	9.20	88	53	2.752	ug/l #	10
58) 2-Chloroethyl Vinyl ether	9.93	63	283	9.181	ug/l #	48
81) trans-1,4-Dichloro-2-buten	12.63	75	827	2.227	ug/l #	15
95) Naphthalene	15.38	128	456	3.027	ug/l #	75

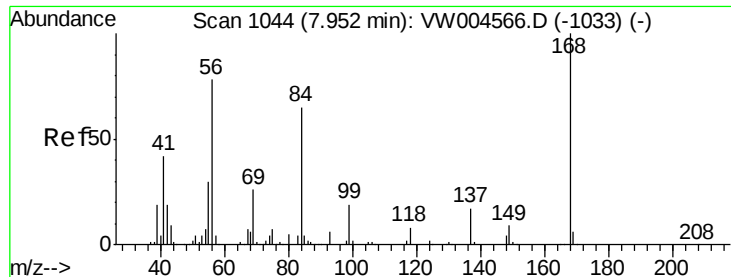
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

Instrument :

MSVOA_W

ClientSampleId :

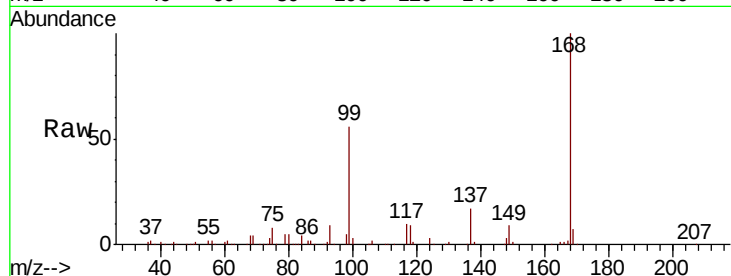
WC-SOIL

Tgt Ion:168 Resp: 201866

Ion Ratio Lower Upper

168 100

99 56.0 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

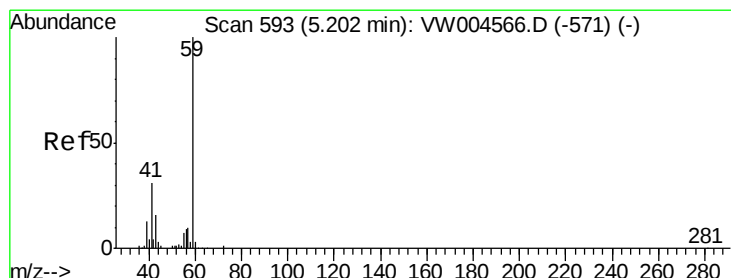
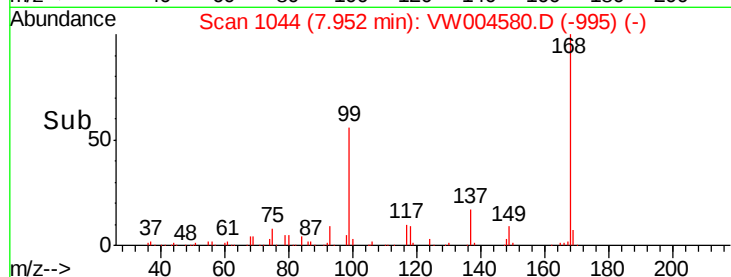
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.531 ug/l

RT: 5.18 min Scan# 589

Delta R.T. -0.04 min

Lab File: VW004580.D

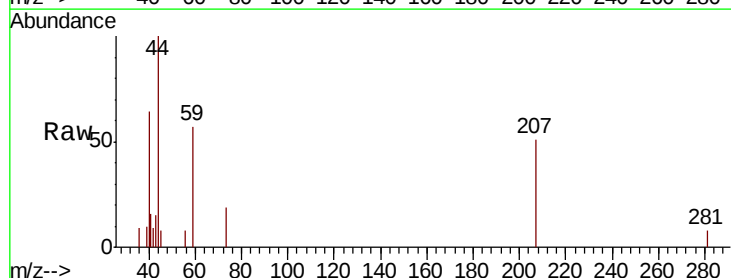
Acq: 10 Aug 2018 04:34

Tgt Ion: 59 Resp: 462

Ion Ratio Lower Upper

59 100

57 9.3 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

400

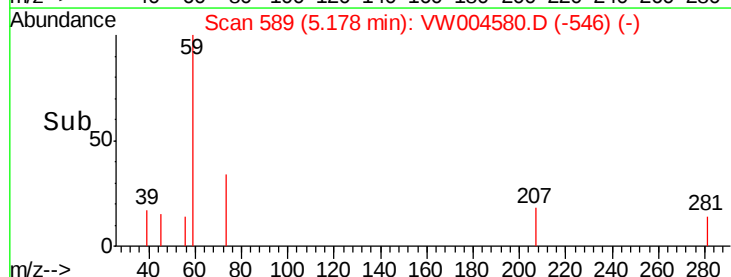
300

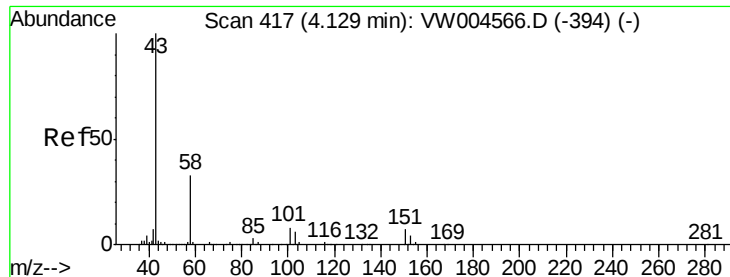
200

100

0

Time-->





#16

Acetone

Concen: 29.915 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

Instrument :

MSVOA_W

ClientSampled :

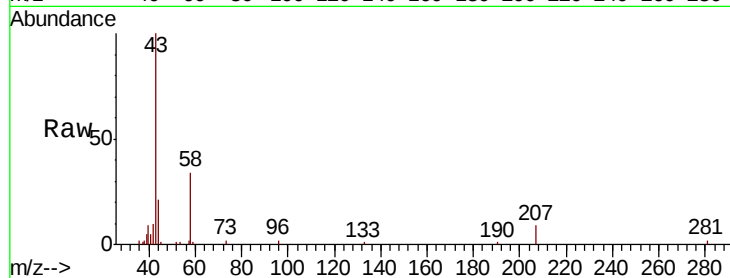
WC-SOIL

Tgt Ion: 43 Resp: 16694

Ion Ratio Lower Upper

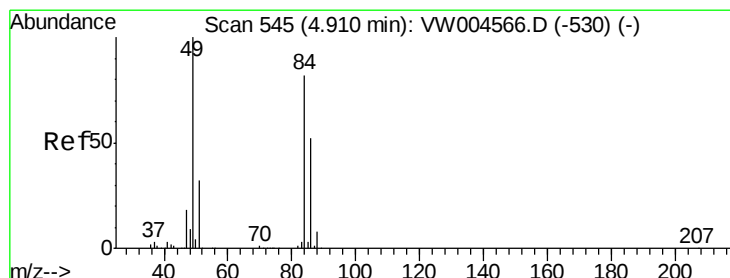
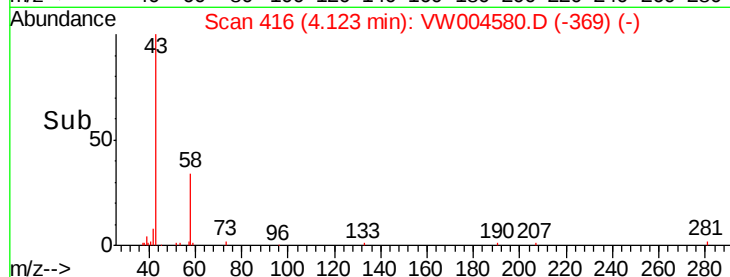
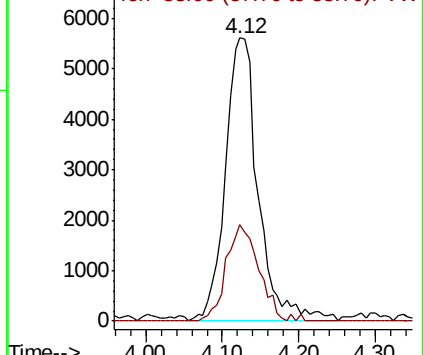
43 100

58 34.2 26.8 40.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.91 min Scan# 545

Delta R.T. 0.00 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

Tgt Ion: 84 Resp: 19683

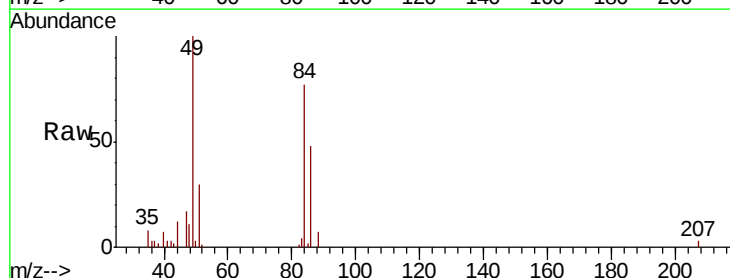
Ion Ratio Lower Upper

84 100

49 130.1 99.6 149.4

51 39.3 31.0 46.4

86 61.8 51.5 77.3

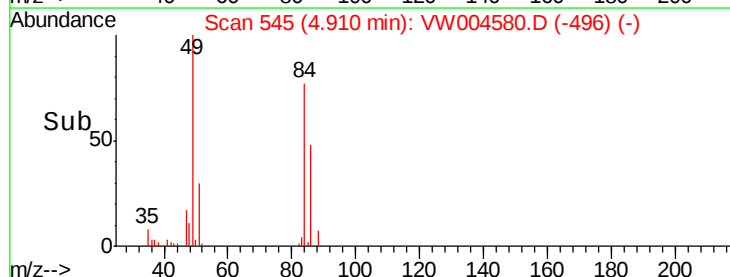
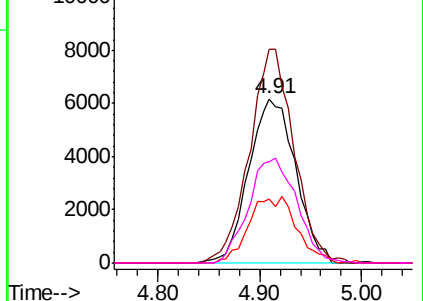


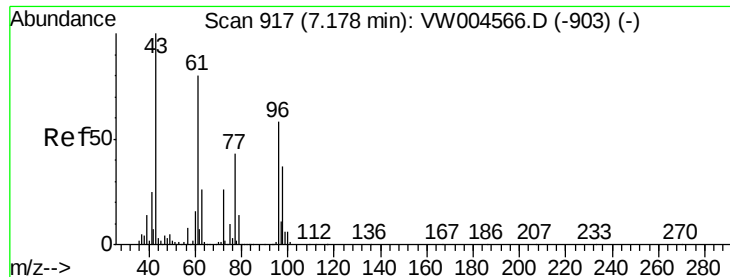
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW





#25

2-Butanone

Concen: 3.205 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

Instrument :

MSVOA_W

ClientSampled :

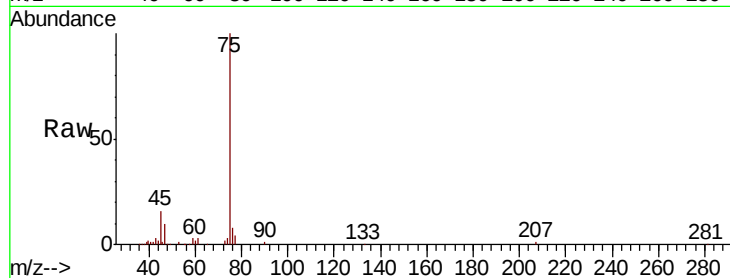
WC-SOIL

Tgt Ion: 43 Resp: 2877

Ion Ratio Lower Upper

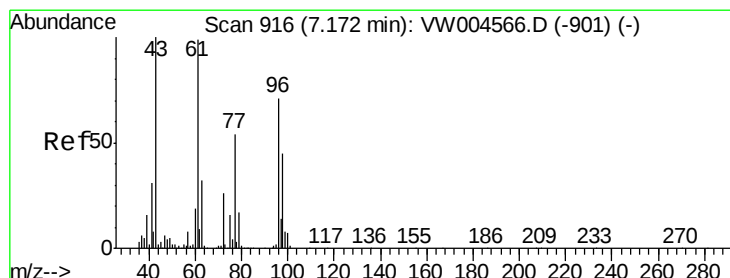
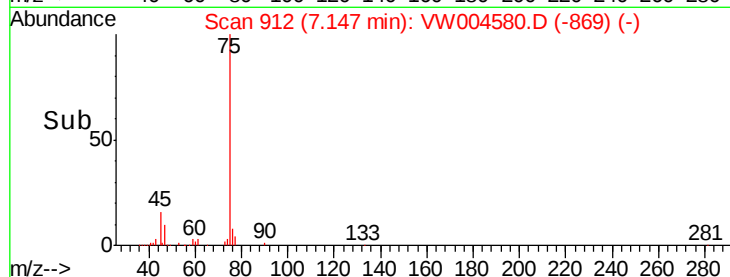
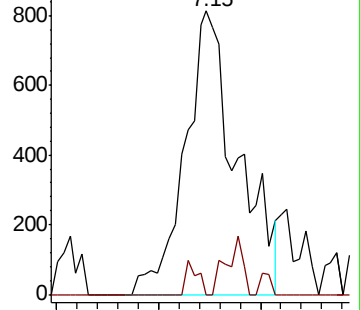
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.143 ug/l

RT: 7.13 min Scan# 910

Delta R.T. -0.03 min

Lab File: VW004580.D

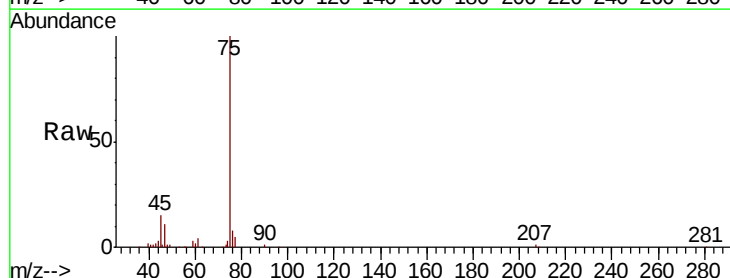
Acq: 10 Aug 2018 04:34

Tgt Ion: 77 Resp: 2624

Ion Ratio Lower Upper

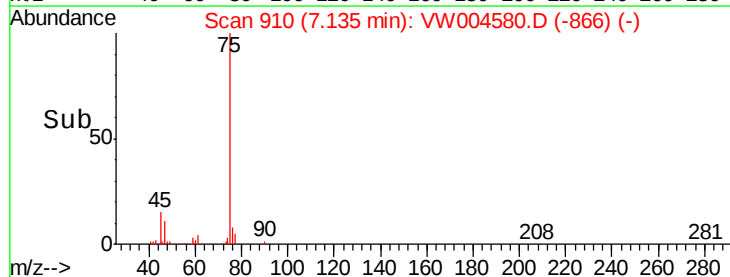
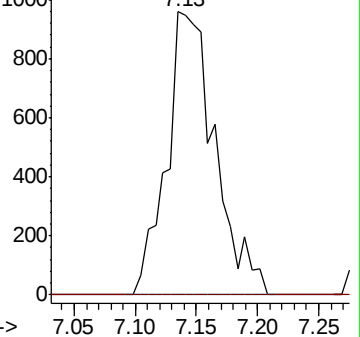
77 100

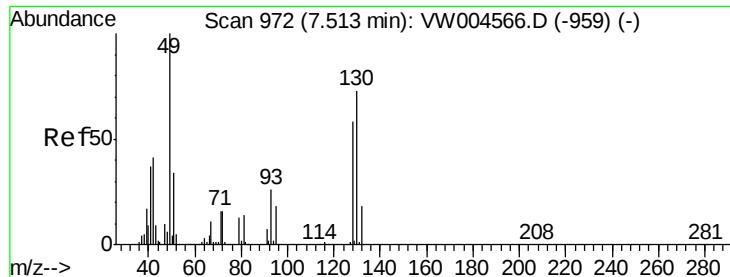
97 0.0 12.5 37.5#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#28

Bromochloromethane

Concen: 63.481 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

Instrument :

MSVOA_W

ClientSampleId :

WC-SOIL

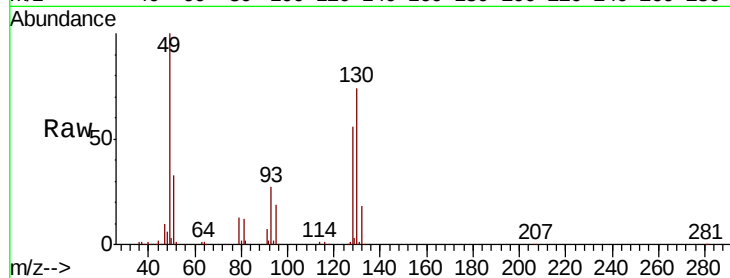
Tgt Ion: 49 Resp: 120834

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.0

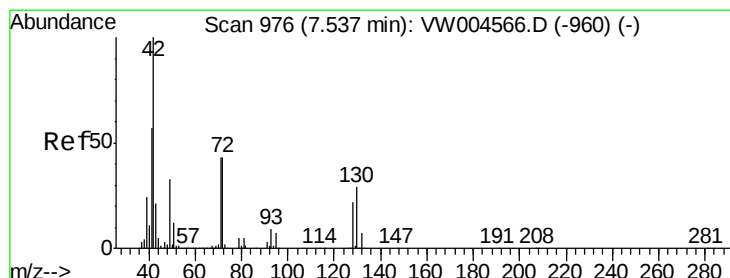
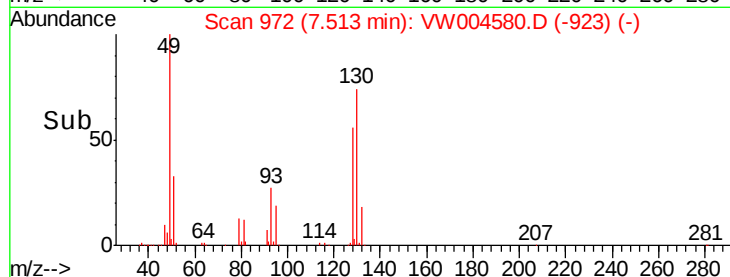
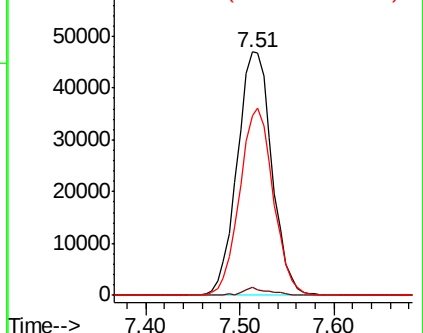
130 74.7 58.8 88.2



Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 1.181 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

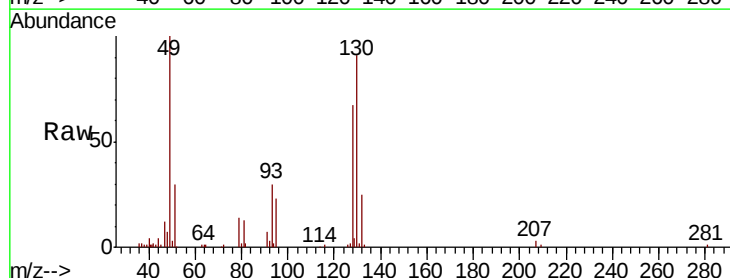
Tgt Ion: 42 Resp: 548

Ion Ratio Lower Upper

42 100

72 17.2 34.1 51.1#

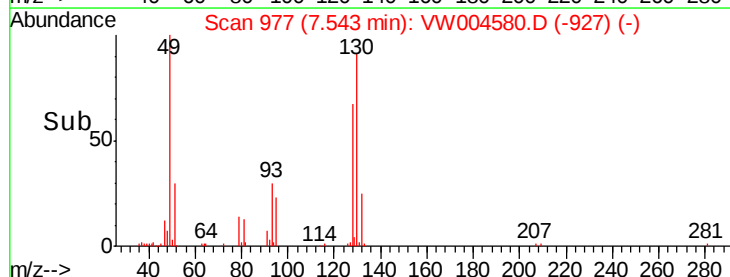
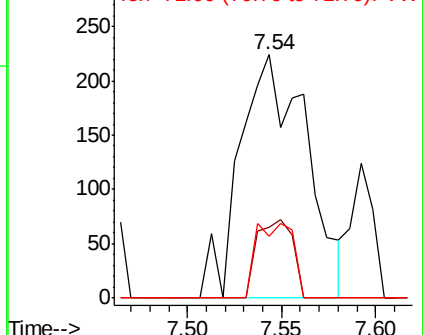
71 17.2 32.5 48.7#

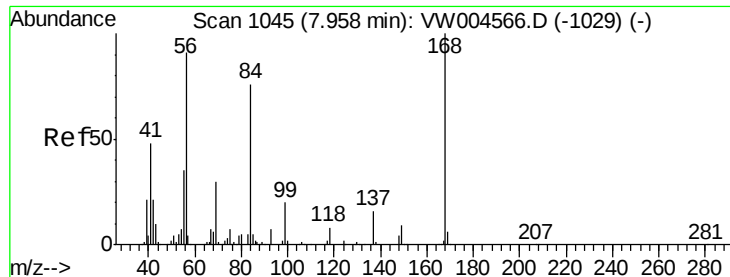


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

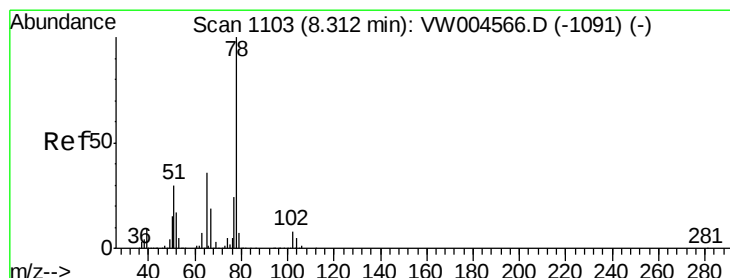
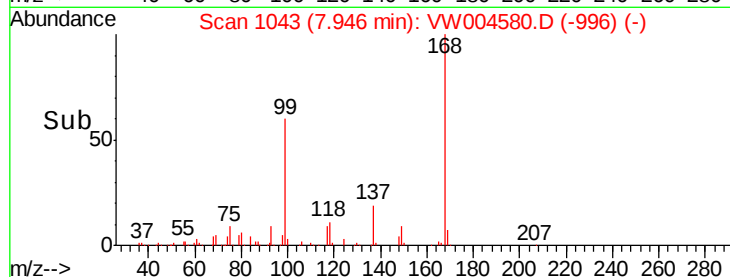
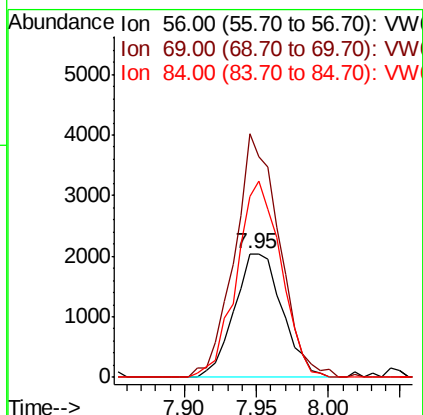
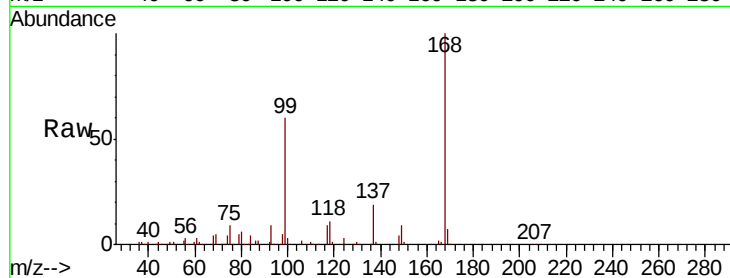




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW004580.D
Acq: 10 Aug 2018 04:34

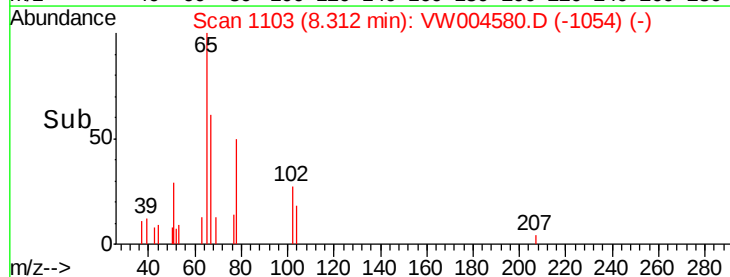
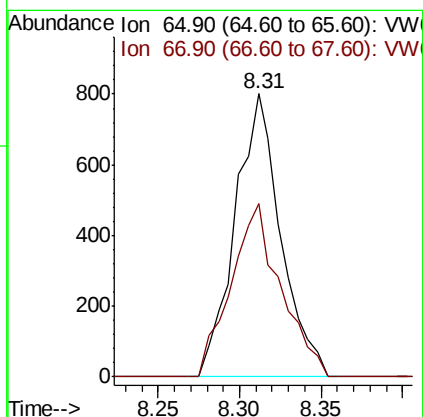
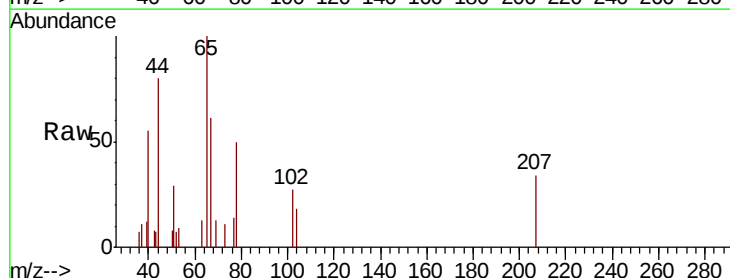
Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL

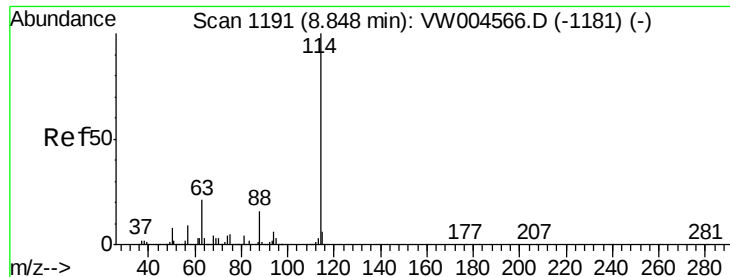
Tgt Ion: 56 Resp: 4710
Ion Ratio Lower Upper
56 100
69 196.7 26.4 39.6#
84 146.5 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 0.699 ug/l
RT: 8.31 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VW004580.D
Acq: 10 Aug 2018 04:34

Tgt Ion: 65 Resp: 1562
Ion Ratio Lower Upper
65 100
67 66.6 0.0 109.0

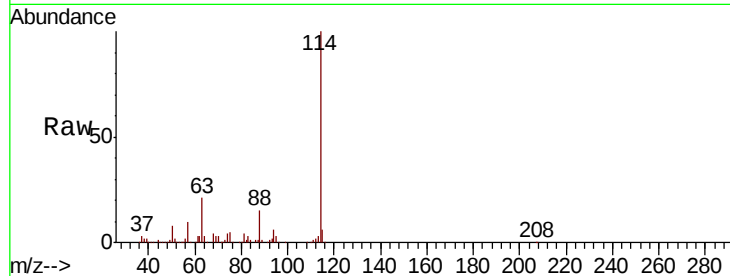




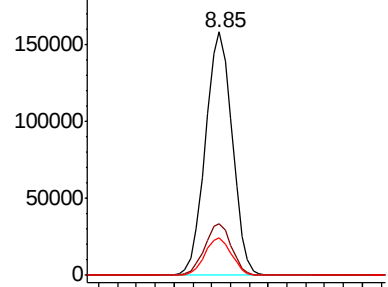
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004580.D
 Acq: 10 Aug 2018 04:34

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-SOIL

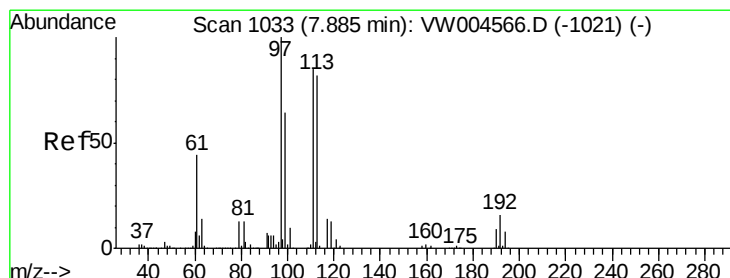
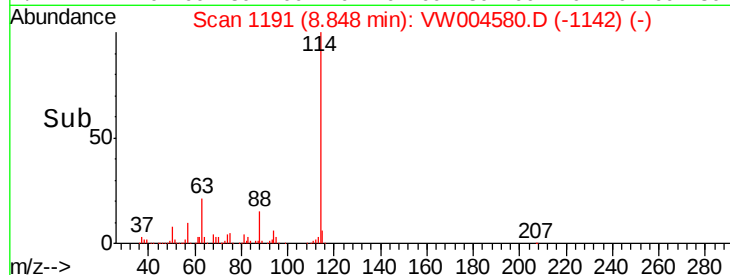
Tgt Ion:114 Resp: 313136
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.5 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

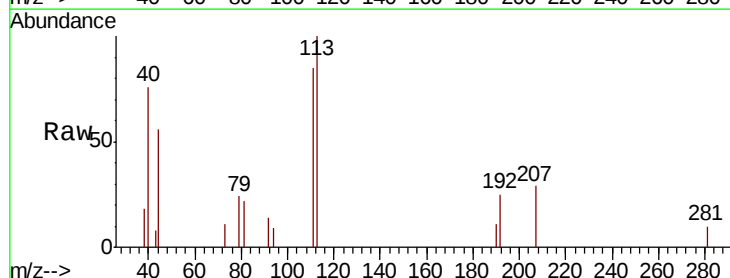


Time-->

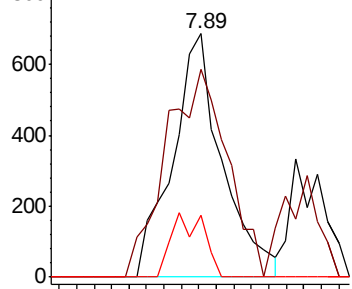


#35
 Dibromofluoromethane
 Concen: 0.650 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004580.D
 Acq: 10 Aug 2018 04:34

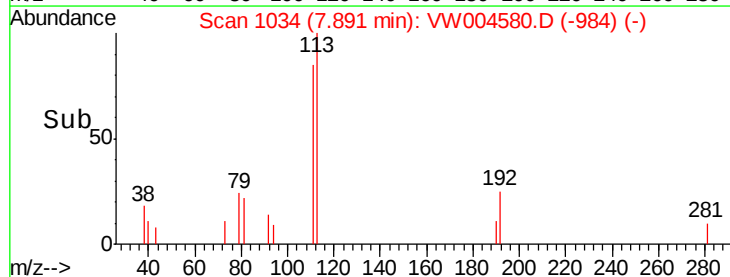
Tgt Ion:113 Resp: 1357
 Ion Ratio Lower Upper
 113 100
 111 105.8 82.9 124.3
 192 17.2 15.8 23.6

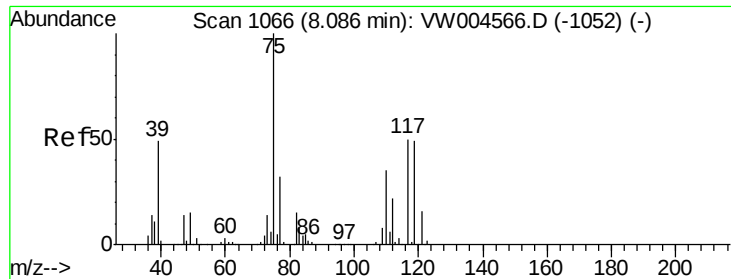


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



Time-->

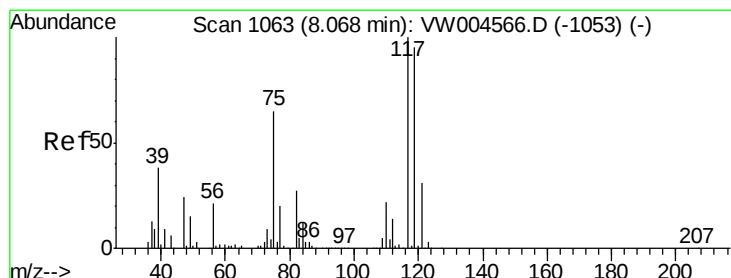
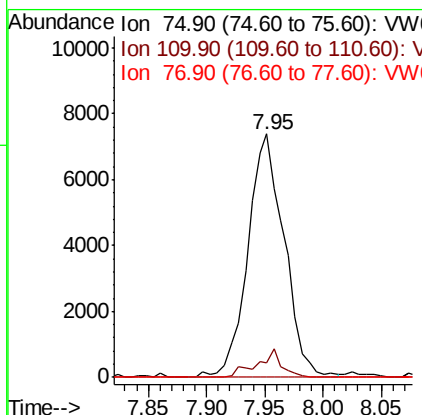
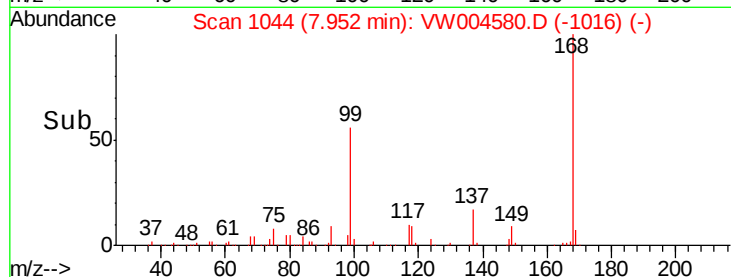
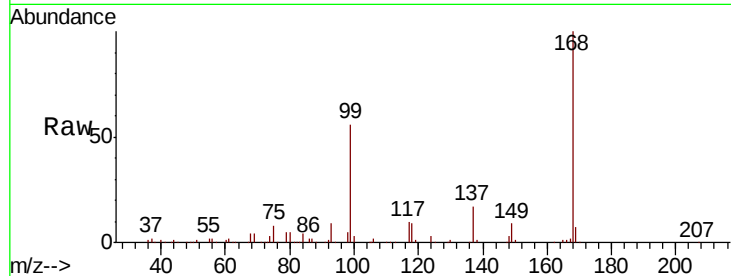




#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004580.D
 Acq: 10 Aug 2018 04:34

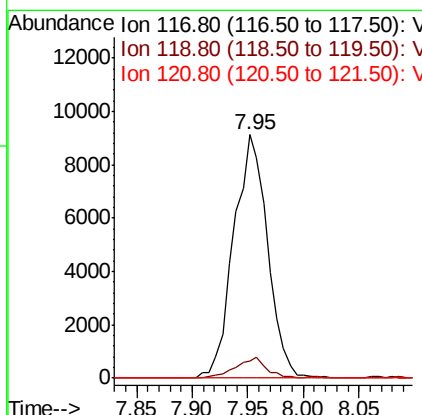
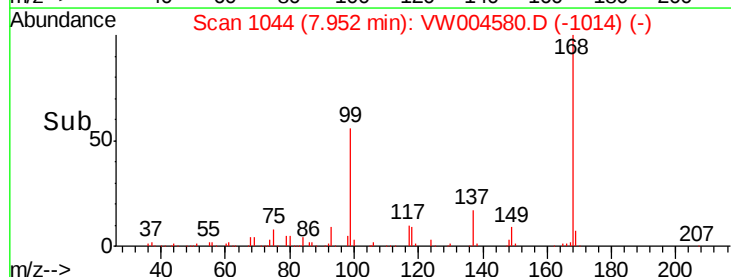
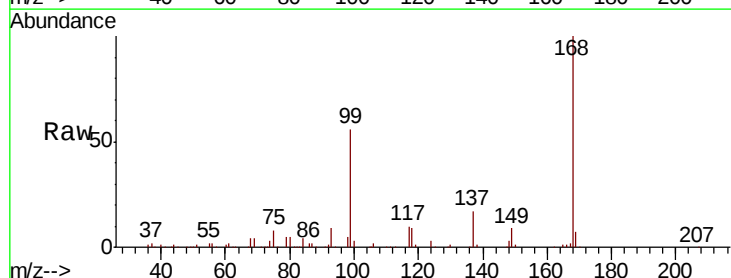
Instrument :
 MSVOA_W
 ClientSampleId :
 WC-SOIL

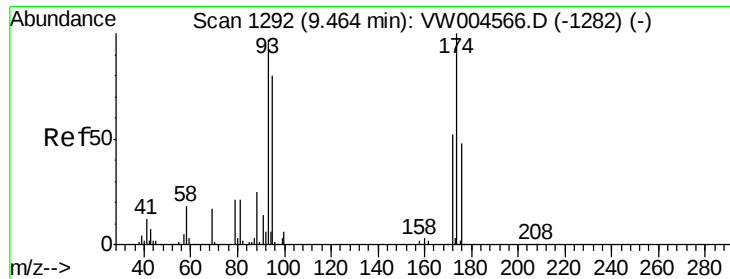
Tgt Ion: 75 Resp: 16093
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.4 52.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.327 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW004580.D
 Acq: 10 Aug 2018 04:34

Tgt Ion: 117 Resp: 19196
 Ion Ratio Lower Upper
 117 100
 119 7.1 76.1 114.1#
 121 0.0 24.2 36.4#

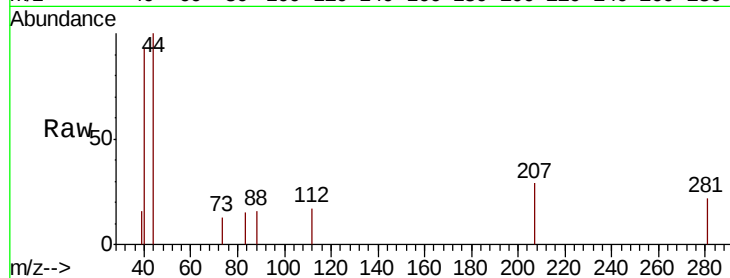




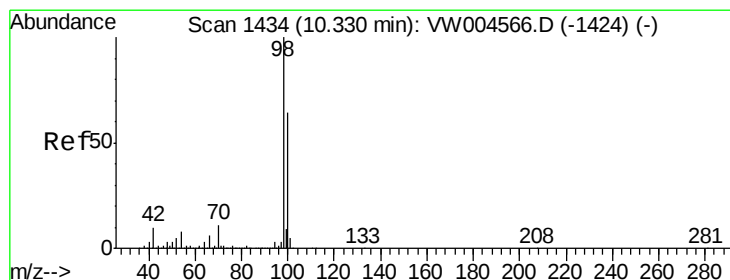
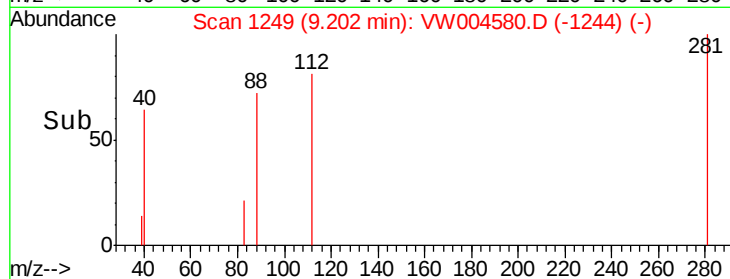
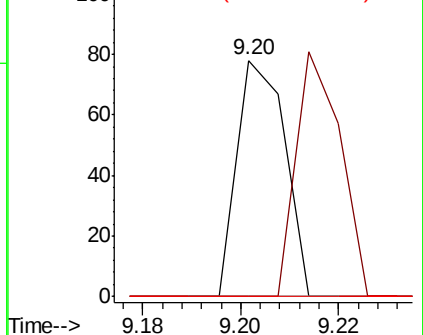
#49
1,4-Dioxane
Concen: 2.752 ug/l
RT: 9.20 min Scan# 1249
Delta R.T. -0.27 min
Lab File: VW004580.D
Acq: 10 Aug 2018 04:34

Instrument :
MSVOA_W
ClientSampled :
WC-SOIL

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 94.3 0.0 0.0#
58 0.0 63.5 95.3#

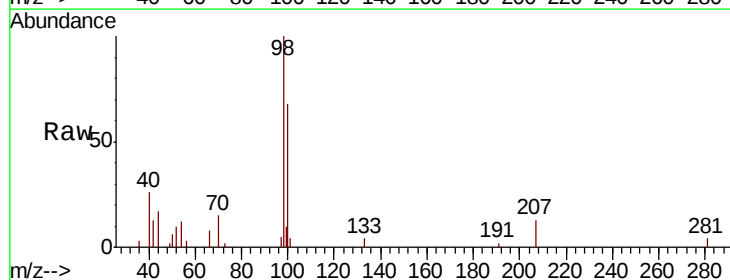


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

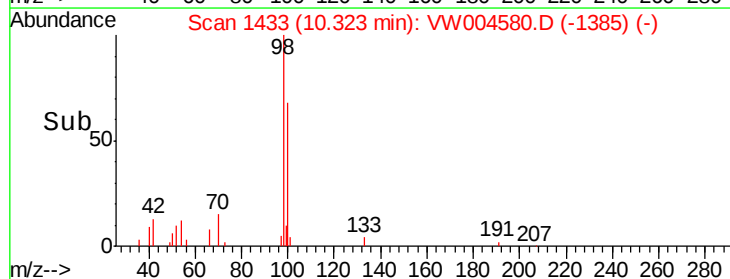
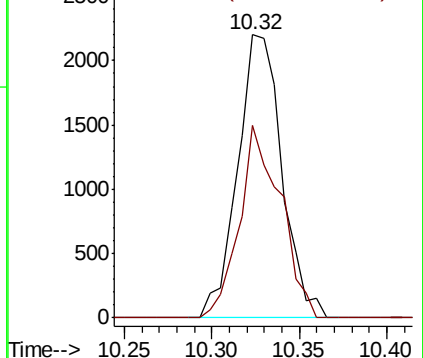


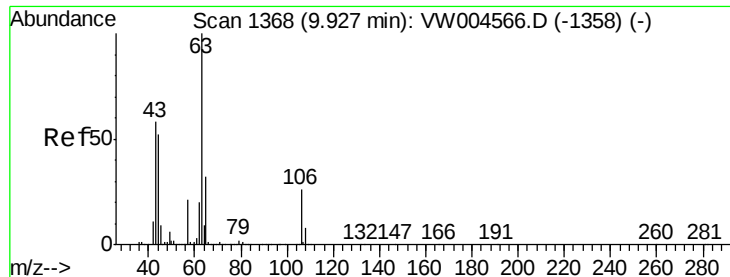
#50
Toluene-d8
Concen: 0.486 ug/l
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: VW004580.D
Acq: 10 Aug 2018 04:34

Tgt Ion: 98 Resp: 3869
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

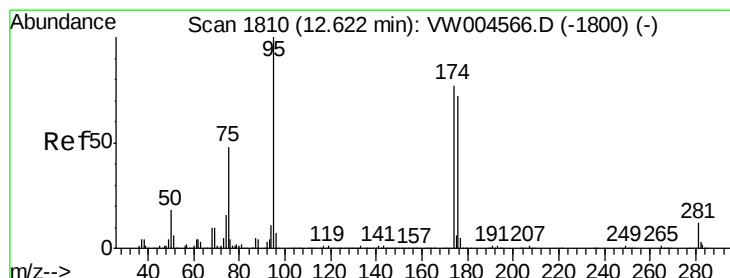
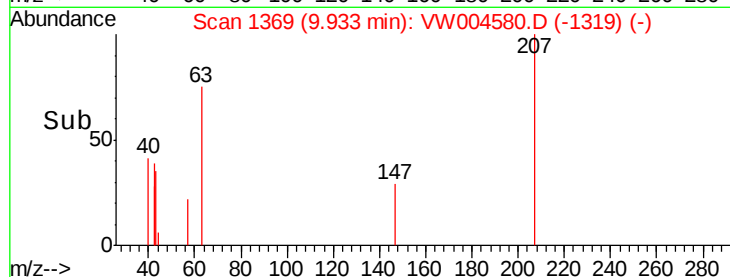
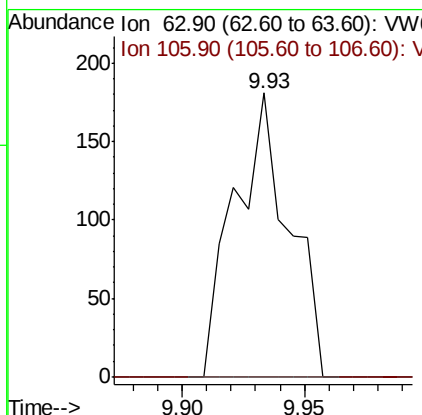
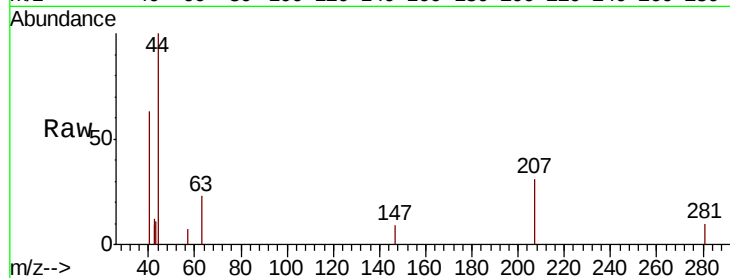




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.181 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.01 min
 Lab File: VW004580.D
 Acq: 10 Aug 2018 04:34

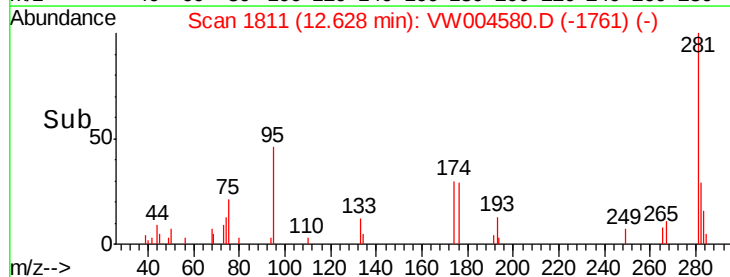
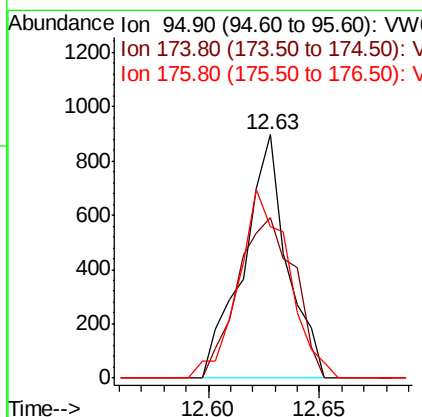
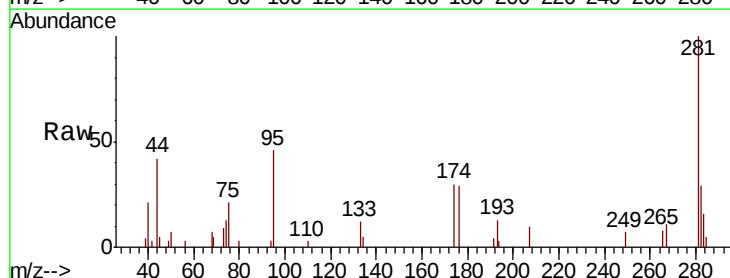
Instrument :
 MSVOA_W
 ClientSampled :
 WC-SOIL

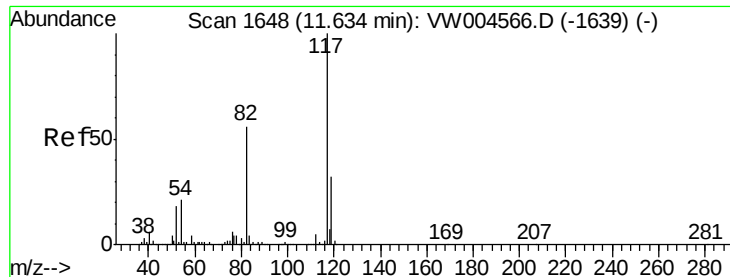
Tgt Ion: 63 Resp: 283
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.3 31.9#



#62
 4-Bromofluorobenzene
 Concen: 0.427 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.01 min
 Lab File: VW004580.D
 Acq: 10 Aug 2018 04:34

Tgt Ion: 95 Resp: 1224
 Ion Ratio Lower Upper
 95 100
 174 85.8 0.0 160.4
 176 88.6 0.0 153.2

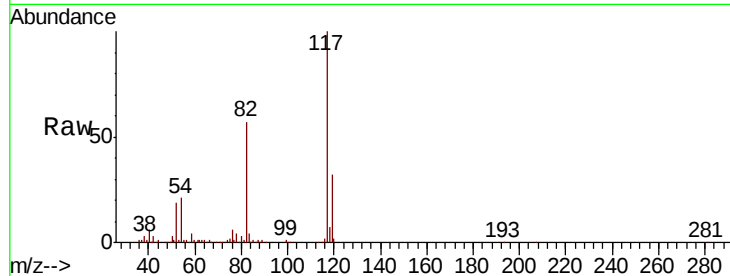




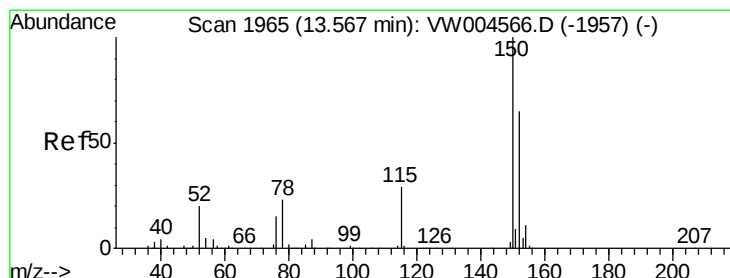
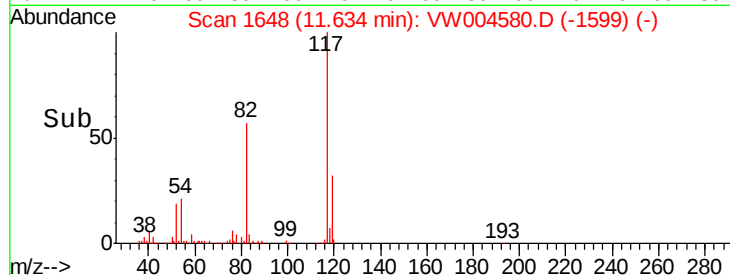
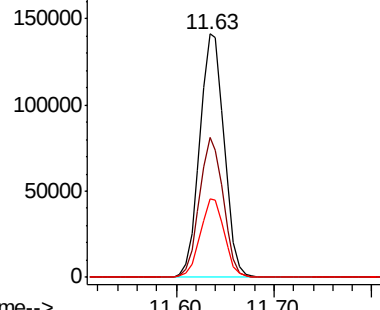
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004580.D
Acq: 10 Aug 2018 04:34

Instrument :
MSVOA_W
ClientSampleId :
WC-SOIL

Tgt Ion:117 Resp: 244102
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 32.1 26.2 39.4

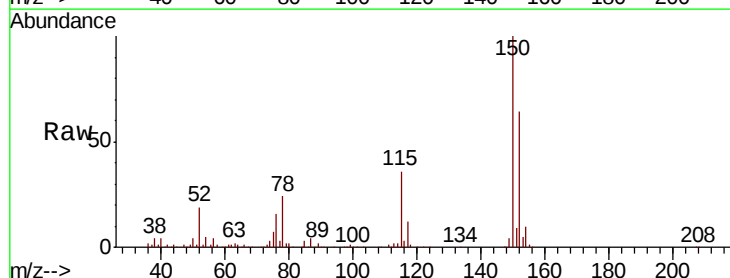


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

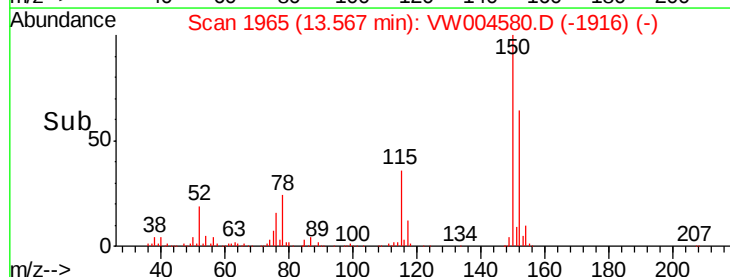
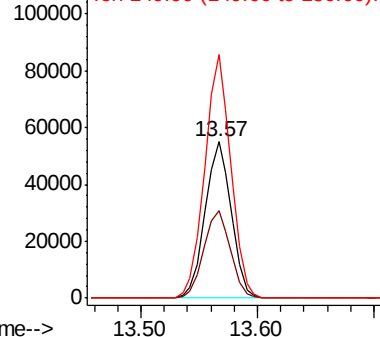


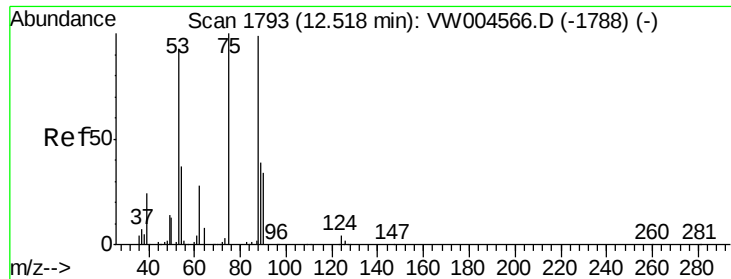
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004580.D
Acq: 10 Aug 2018 04:34

Tgt Ion:152 Resp: 85907
Ion Ratio Lower Upper
152 100
115 57.0 29.1 87.3
150 155.1 0.0 349.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 2.227 ug/l

RT: 12.63 min Scan# 1812

Delta R.T. 0.12 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

Instrument :

MSVOA_W

ClientSampled :

WC-SOIL

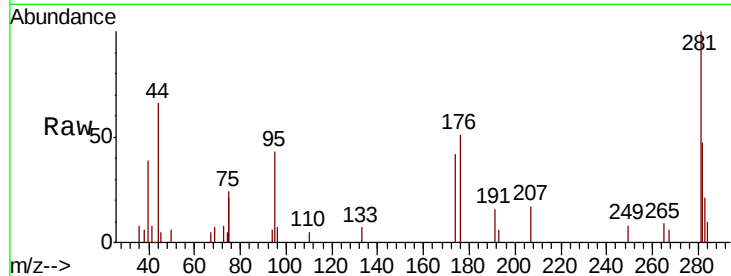
Tgt Ion: 75 Resp: 827

Ion Ratio Lower Upper

75 100

53 0.0 74.4 111.6#

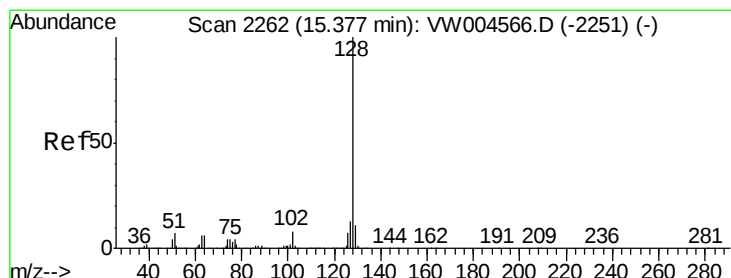
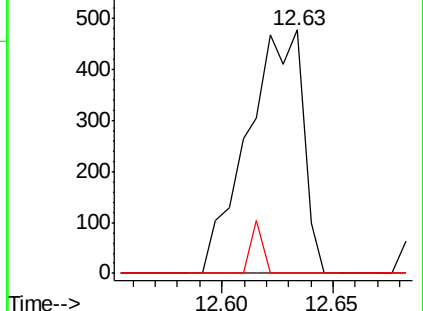
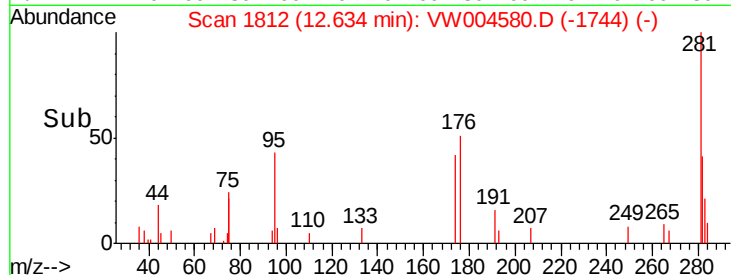
89 4.6 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#95

Naphthalene

Concen: 3.027 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004580.D

Acq: 10 Aug 2018 04:34

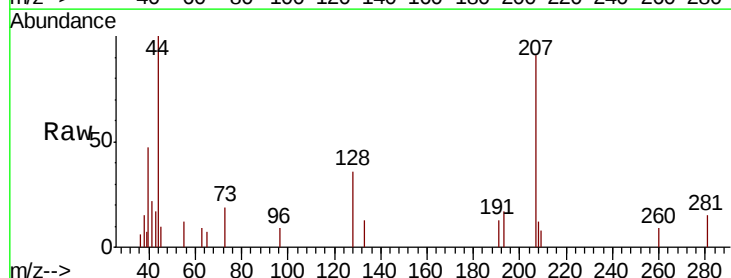
Tgt Ion: 128 Resp: 456

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 5.0 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

