

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062760.D
 Acq On : 18 Jun 2019 20:03
 Operator : VA/AP
 Sample : K3154-09RE
 Misc : 6.22g/5ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:27:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

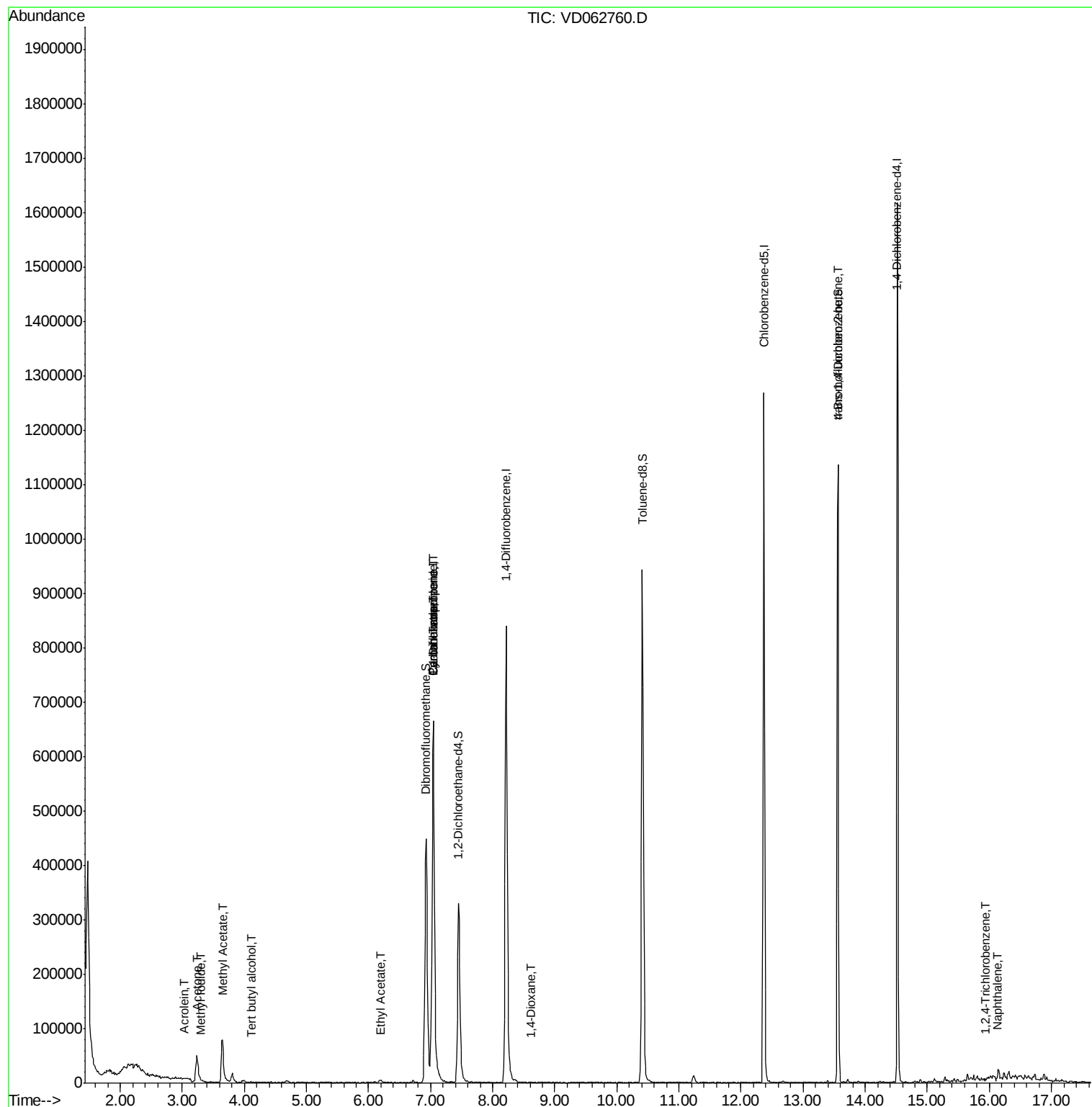
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	631638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	857897	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	650095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	328759	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	399860	43.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.74%	
35) Dibromofluoromethane	6.93	113	379536	41.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.90%	
50) Toluene-d8	10.41	98	760087	39.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.86%	
62) 4-Bromofluorobenzene	13.56	95	329693	37.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	555	Below Cal	#	42
10) Methyl Iodide	3.30	142	1270	4.112	ug/l #	87
11) Tert butyl alcohol	4.12	59	1366	3.646	ug/l #	61
13) Acrolein	3.02	56	485	4.024	ug/l	87
16) Acetone	3.23	43	102770	61.576	ug/l	96
18) Methyl Acetate	3.64	43	152423	55.570	ug/l	97
31) Cyclohexane	7.04	56	15435	2.146	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	50252	5.118	ug/l #	51
37) Ethyl Acetate	6.20	43	343	1.281	ug/l #	74
38) Carbon Tetrachloride	7.03	117	68815	4.434	ug/l #	17
49) 1,4-Dioxane	8.61	88	199	52.929	ug/l #	22
81) trans-1,4-Dichloro-2-buten	13.55	75	168166	121.197	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.93	180	267	3.597	ug/l #	11
95) Naphthalene	16.12	128	2462	3.642	ug/l #	83

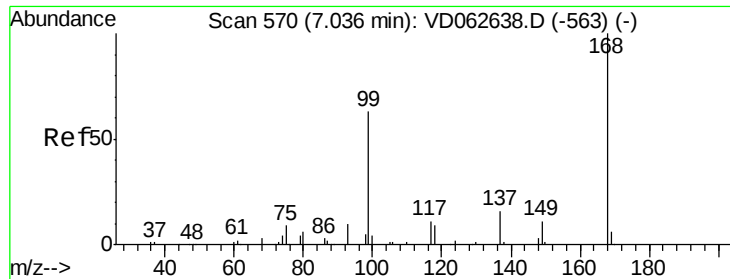
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061819\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062760.D

Acq: 18 Jun 2019 20:03

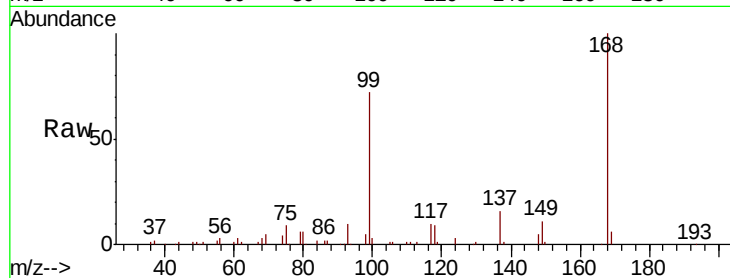
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 631638

Ion Ratio Lower Upper

168 100

99 71.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

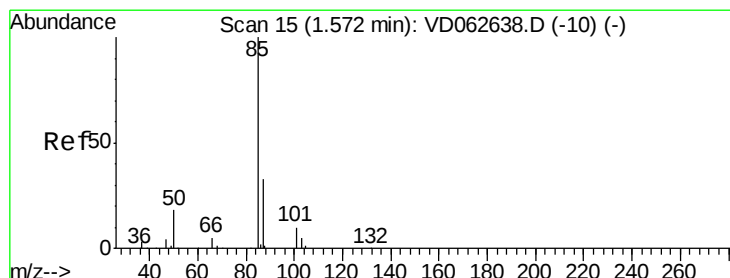
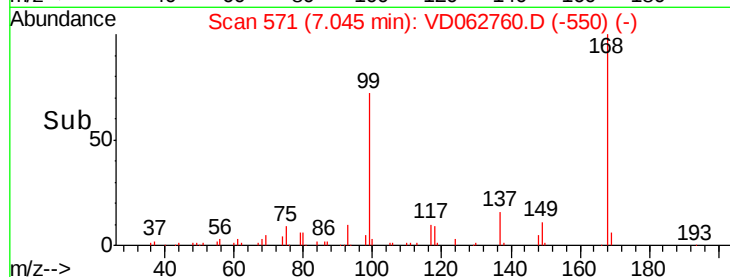
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062760.D

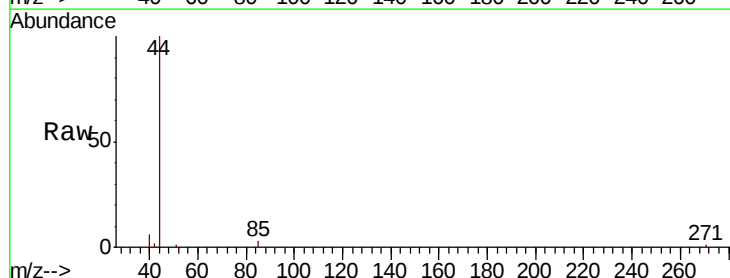
Acq: 18 Jun 2019 20:03

Tgt Ion: 85 Resp: 555

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

1000

800

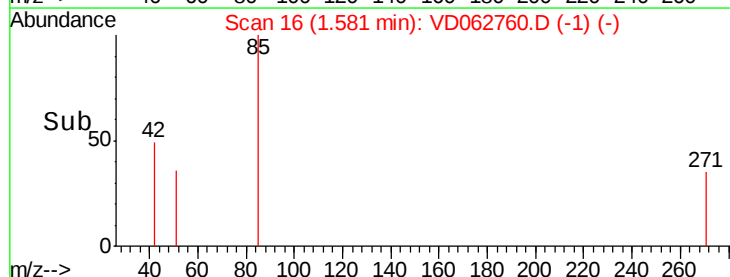
600

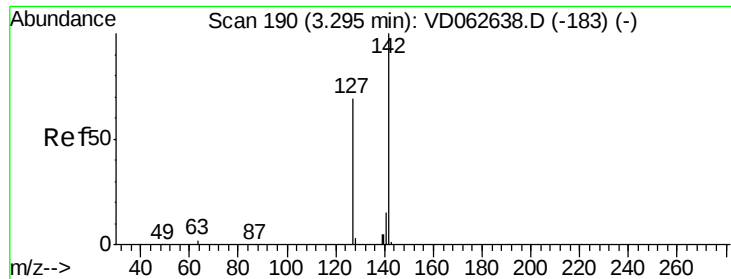
400

200

0

Time-->

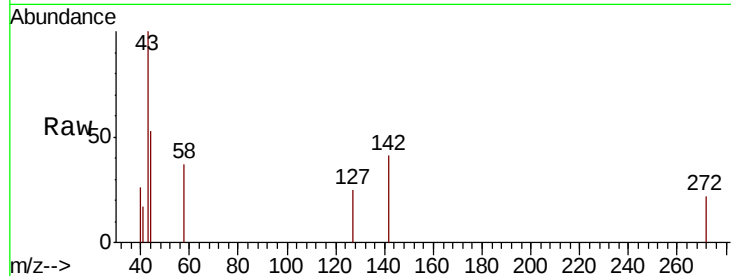




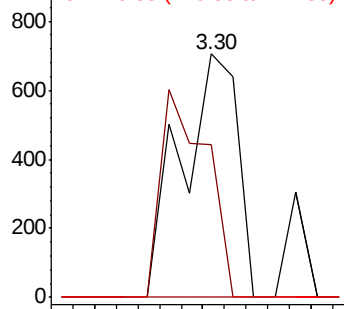
#10
Methyl Iodide
Concen: 4.112 ug/l
RT: 3.30 min Scan# 191
Delta R.T. 0.01 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Instrument :
MSVOA_D
ClientSampled :

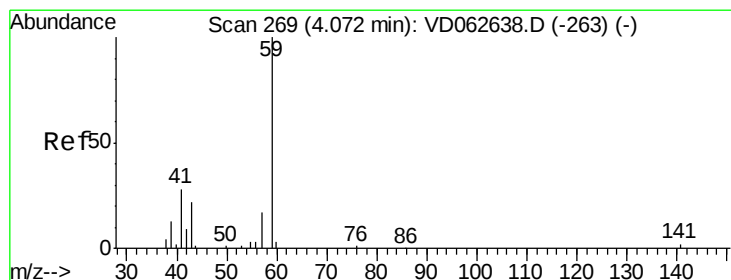
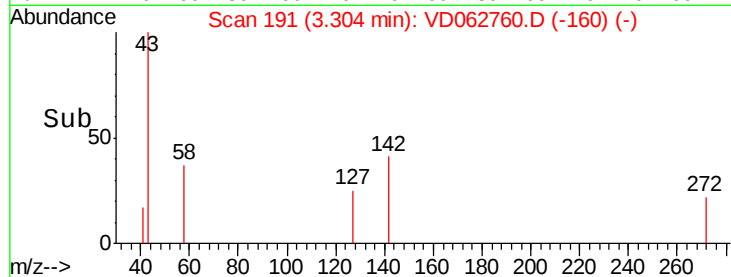
Tot Ion:142 Resp: 1270
Ion Ratio Lower Upper
142 100
127 62.5 55.2 82.8
141 0.0 12.1 18.1#



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

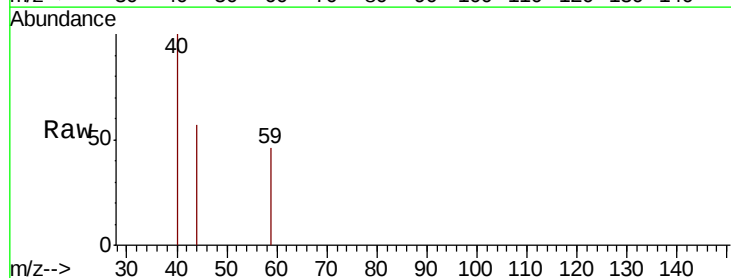


Time-->

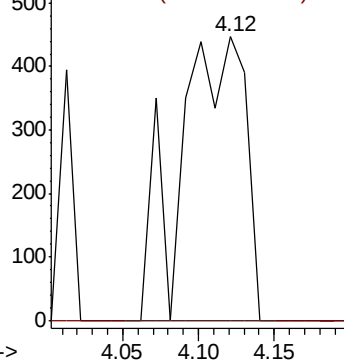


#11
Tert butyl alcohol
Concen: 3.646 ug/l
RT: 4.12 min Scan# 274
Delta R.T. 0.05 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

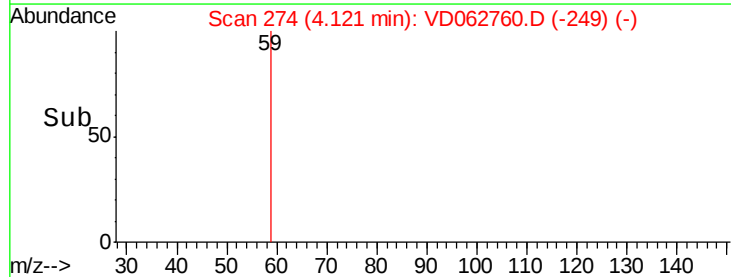
Tgt Ion: 59 Resp: 1366
Ion Ratio Lower Upper
59 100
57 0.0 13.7 20.5#

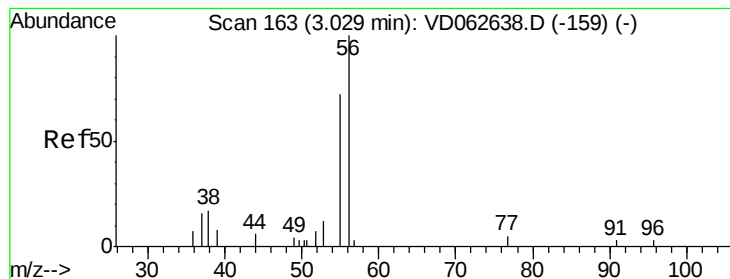


Abundance Ion 58.95 (58.65 to 59.65): V
Ion 56.95 (56.65 to 57.65): V



Time-->





#13

Acrolein

Concen: 4.024 ug/l

RT: 3.02 min Scan# 162

Delta R.T. -0.01 min

Lab File: VD062760.D

Acq: 18 Jun 2019 20:03

Instrument :

MSVOA_D

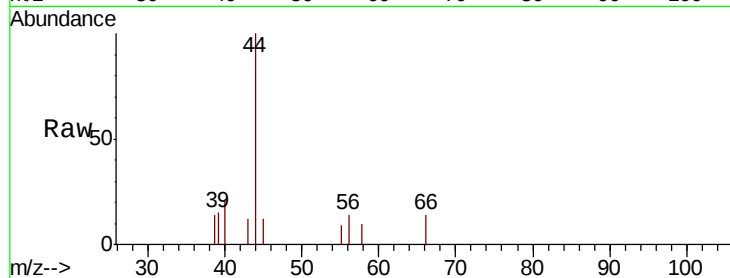
ClientSampleId :

Tot Ion: 56 Resp: 485

Ion Ratio Lower Upper

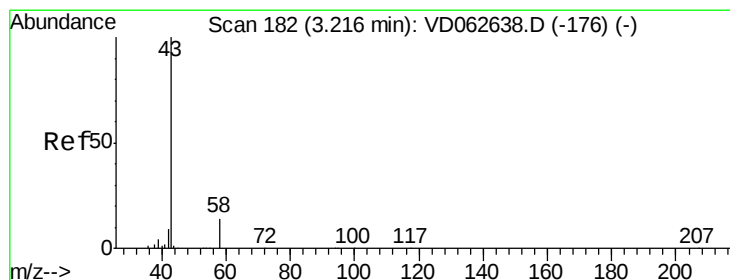
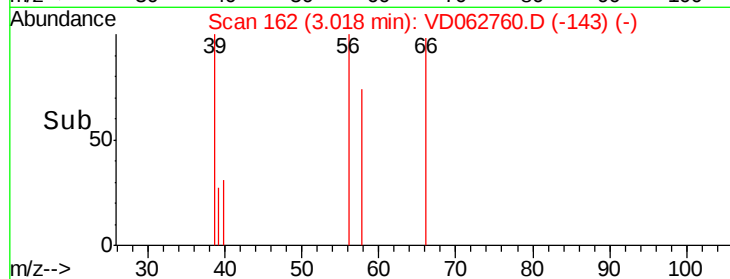
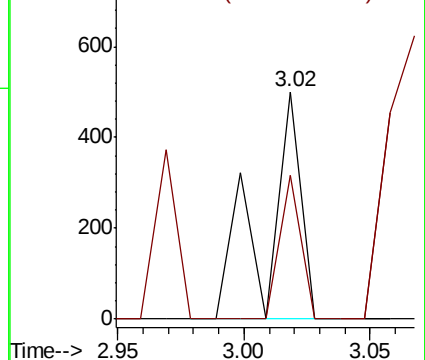
56 100

55 63.2 59.4 89.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 61.576 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD062760.D

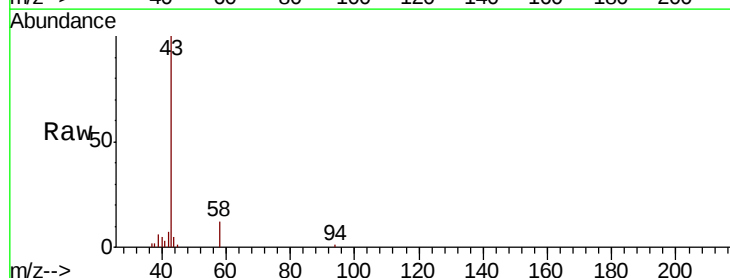
Acq: 18 Jun 2019 20:03

Tgt Ion: 43 Resp: 102770

Ion Ratio Lower Upper

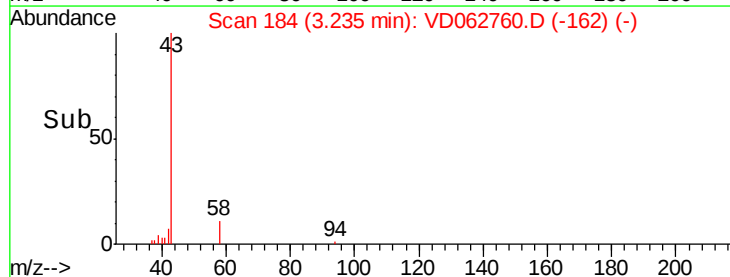
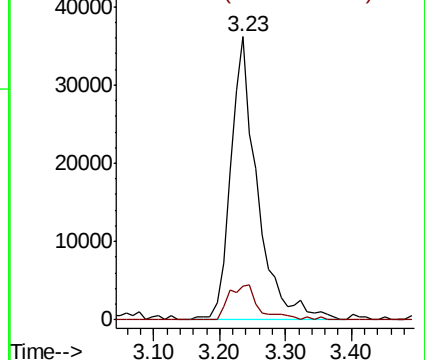
43 100

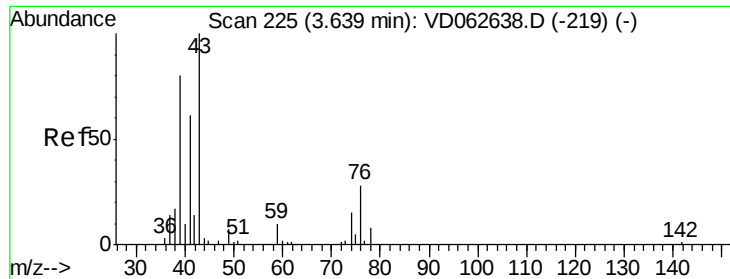
58 11.8 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

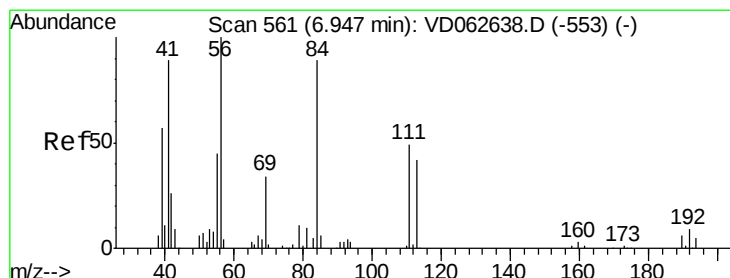
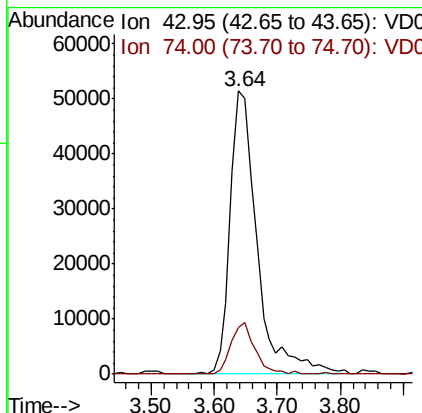
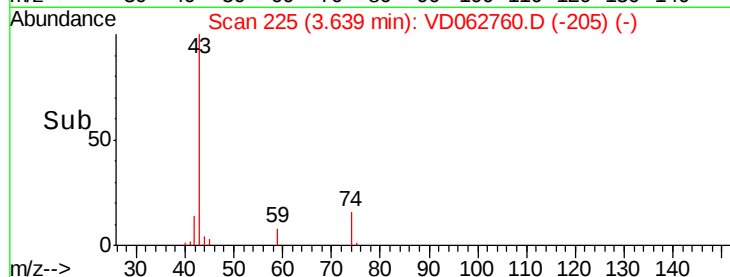
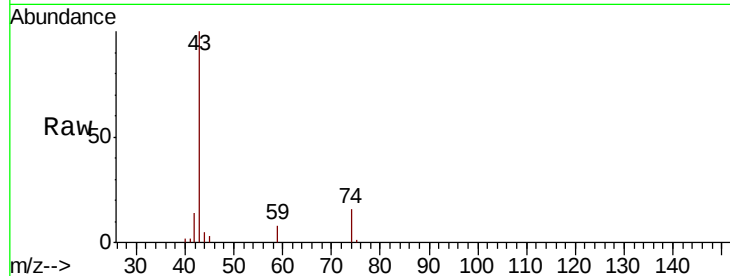




#18
Methvl Acetate
Concen: 55.570 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

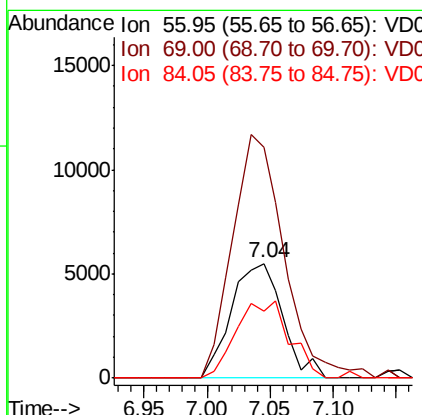
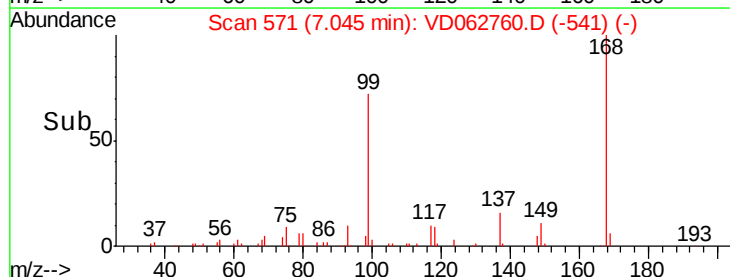
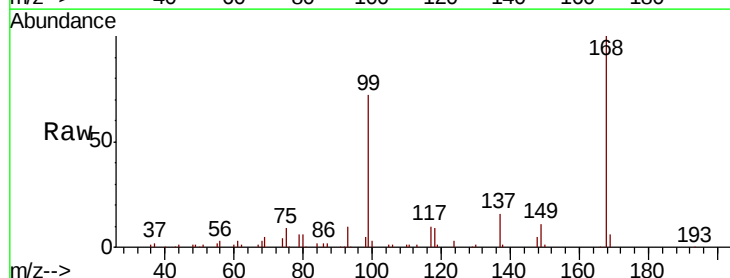
Instrument :
MSVOA_D
ClientSampled :

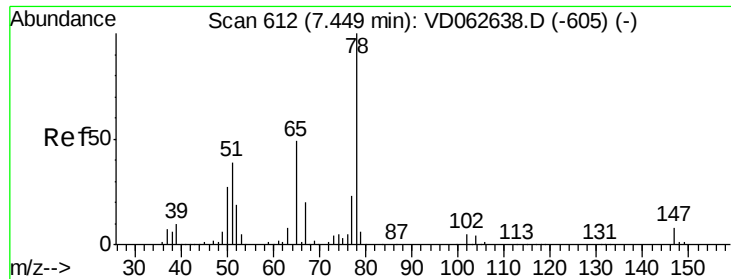
Tot Ion: 43 Resp: 152423
Ion Ratio Lower Upper
43 100
74 16.3 12.1 18.1



#31
Cyclohexane
Concen: 2.146 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.10 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Tgt Ion: 56 Resp: 15435
Ion Ratio Lower Upper
56 100
69 201.7 26.8 40.2#
84 58.5 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 43.871 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD062760.D

Acq: 18 Jun 2019 20:03

Instrument :

MSVOA_D

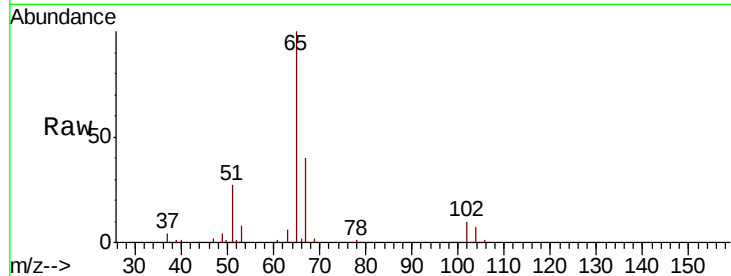
ClientSampleId :

Tot Ion: 65 Resp: 399860

Ion Ratio Lower Upper

65 100

67 39.6 0.0 81.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.45

150000

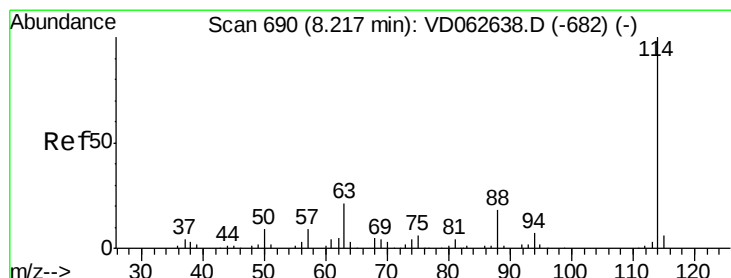
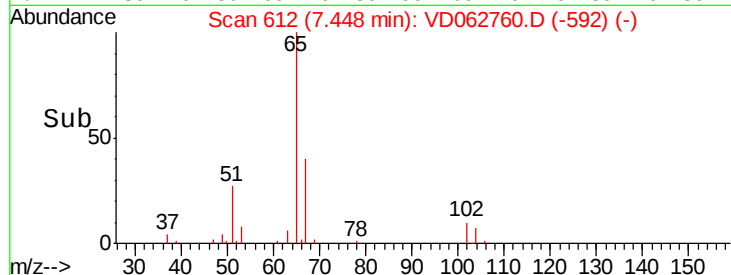
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD062760.D

Acq: 18 Jun 2019 20:03

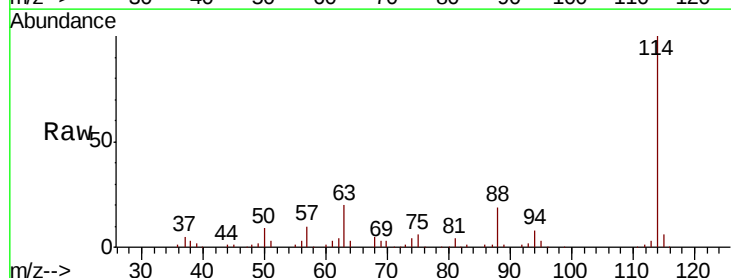
Tgt Ion: 114 Resp: 857897

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 19.3 0.0 36.8



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

8.22

400000

300000

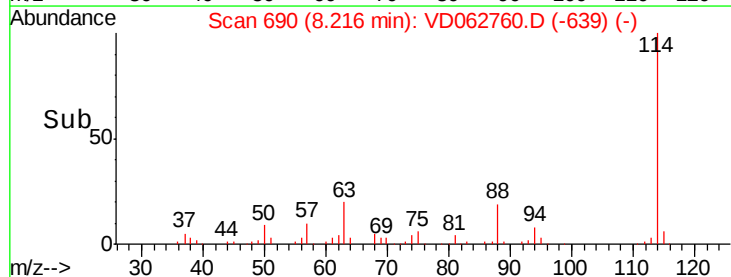
200000

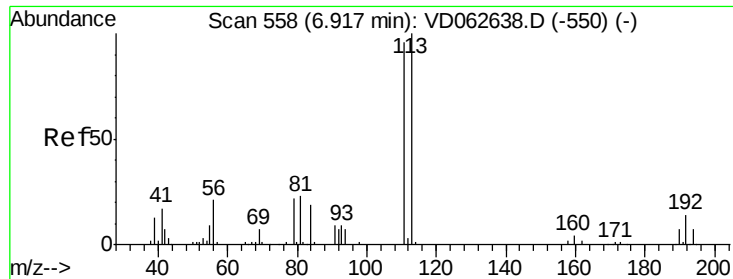
100000

0

Time-->

8.10 8.20 8.30 8.40

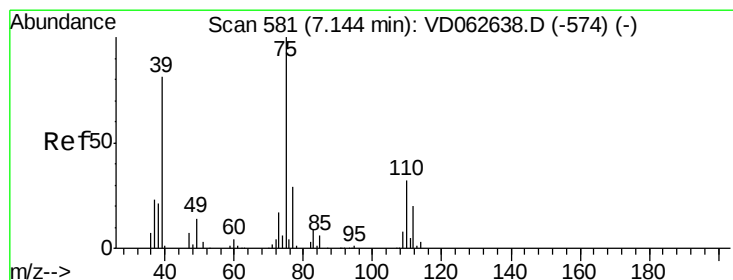
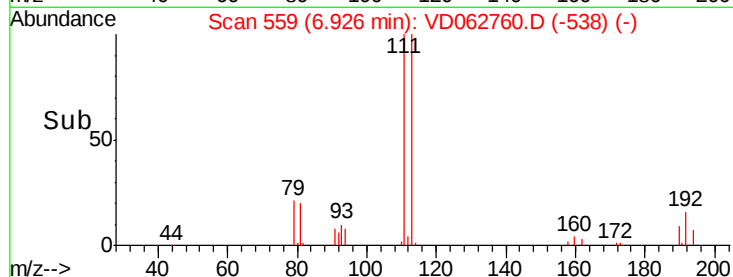
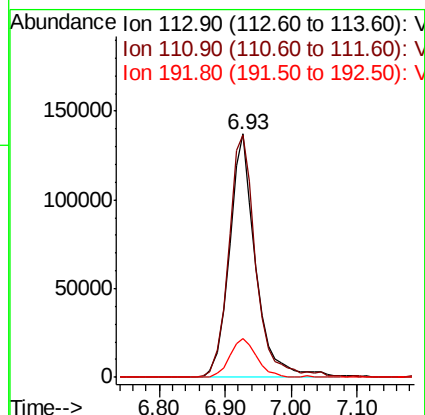
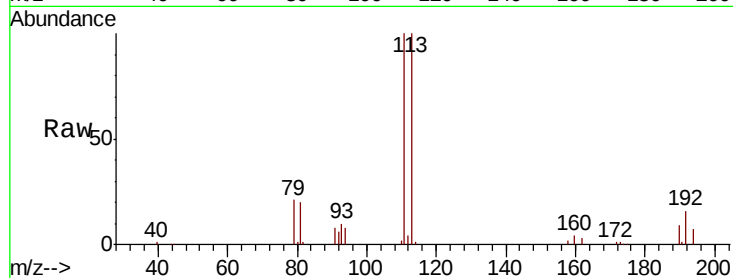




#35
Dibromofluoromethane
Concen: 41.948 ug/l
RT: 6.93 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

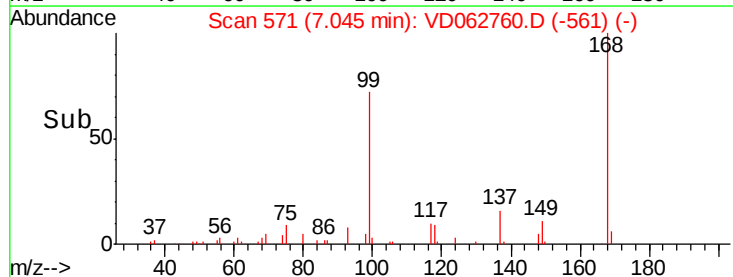
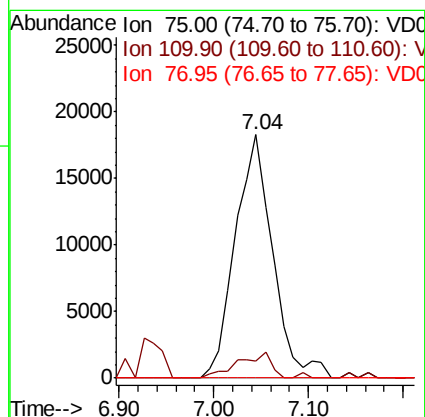
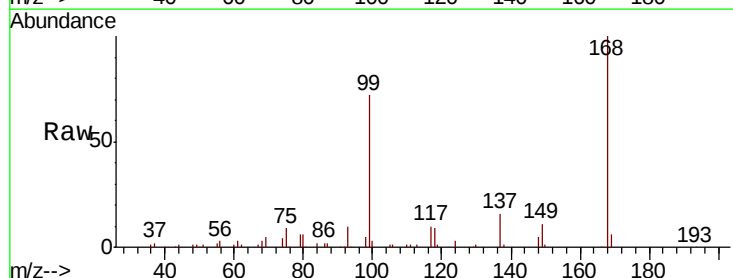
Instrument :
MSVOA_D
ClientSampleId :

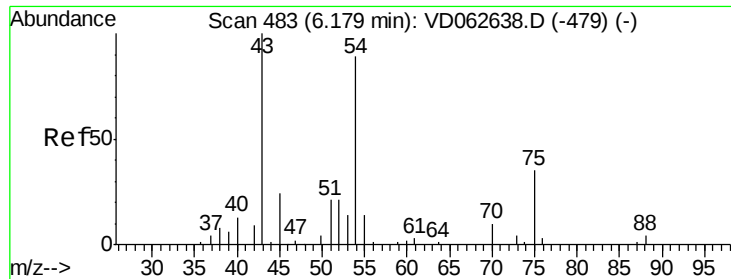
Tot Ion:113 Resp: 379536
Ion Ratio Lower Upper
113 100
111 99.7 76.4 114.6
192 15.9 11.4 17.0



#36
1,1-Dichloropropene
Concen: 5.118 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.10 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Tgt Ion: 75 Resp: 50252
Ion Ratio Lower Upper
75 100
110 7.3 15.9 47.7#
77 0.0 23.3 34.9#

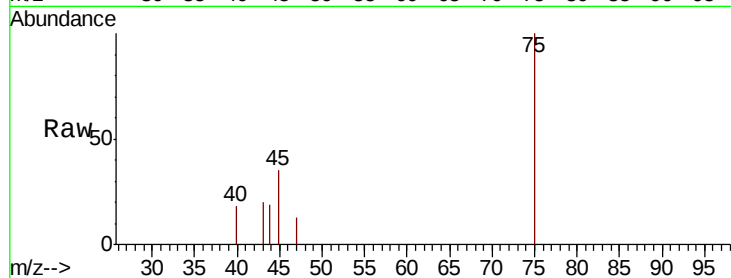




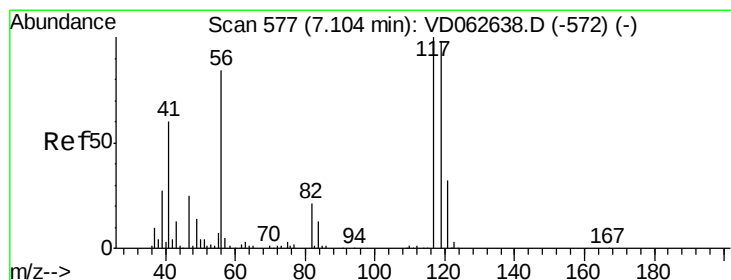
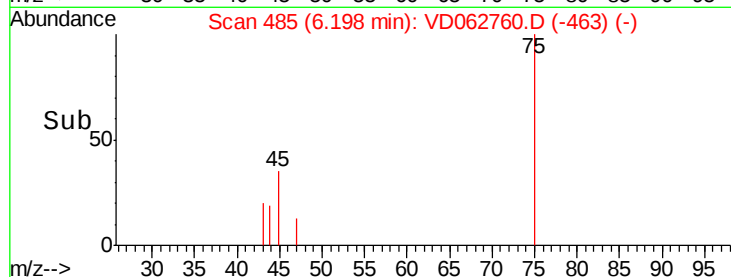
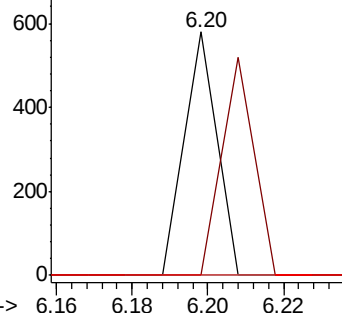
#37
Ethyl Acetate
Concen: 1.281 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.02 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
61 0.0 8.7 13.1#
70 0.0 6.5 9.7#

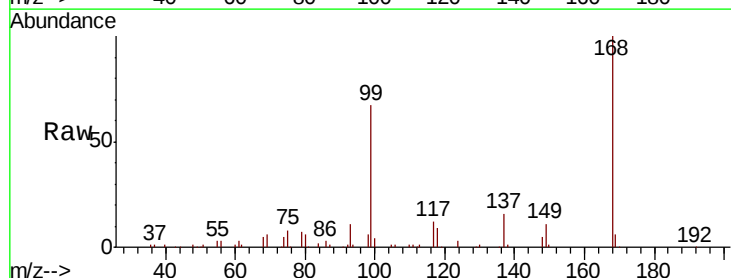


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

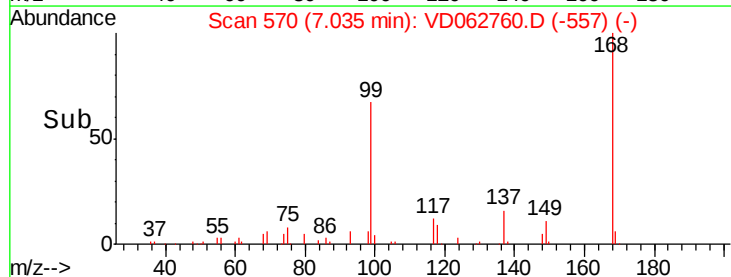
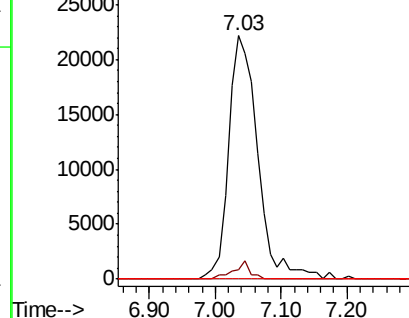


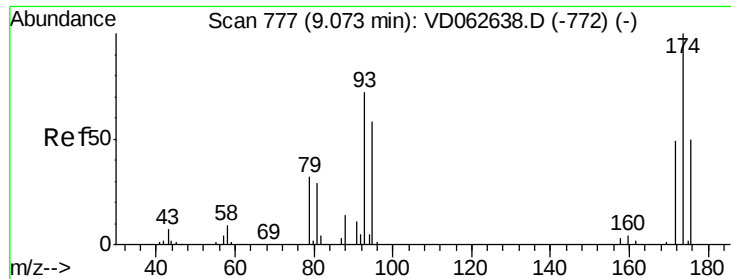
#38
Carbon Tetrachloride
Concen: 4.434 ug/l
RT: 7.03 min Scan# 570
Delta R.T. -0.07 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Tgt Ion: 117 Resp: 68815
Ion Ratio Lower Upper
117 100
119 3.8 73.5 110.3#
121 0.0 24.2 36.4#



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

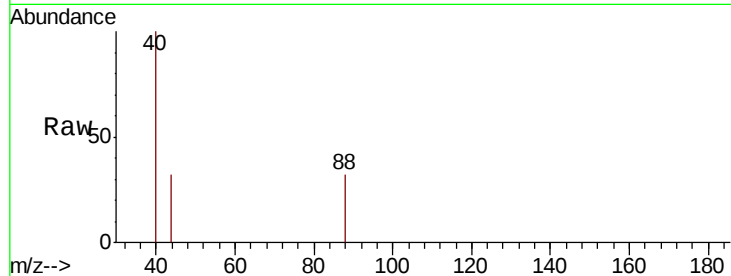




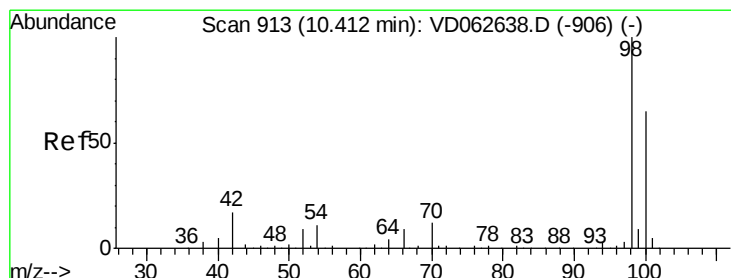
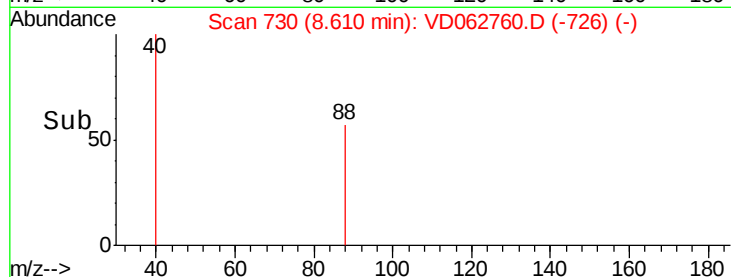
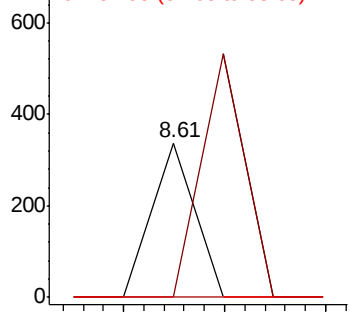
#49
1,4-Dioxane
Concen: 52.929 ug/l
RT: 8.61 min Scan# 730
Delta R.T. -0.46 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 199
Ion Ratio Lower Upper
88 100
43 100.3 40.7 61.1#
58 0.0 54.2 81.4#

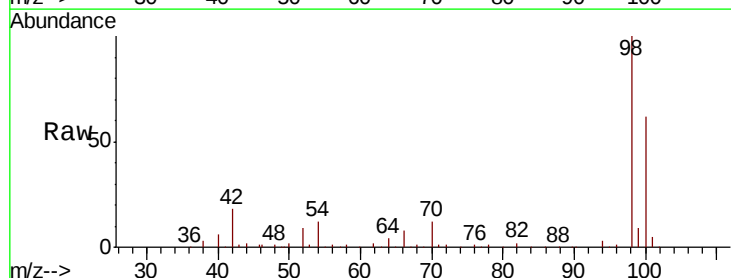


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

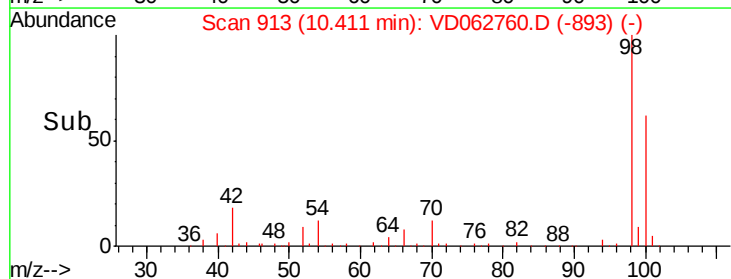
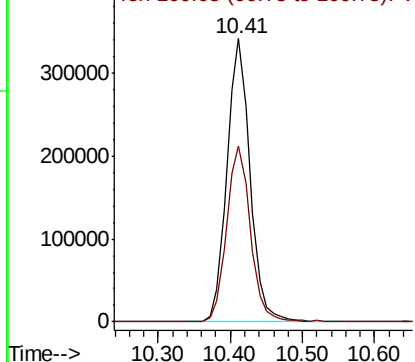


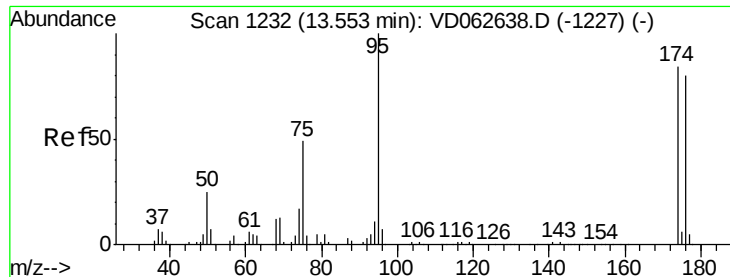
#50
Toluene-d8
Concen: 39.935 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Tgt Ion: 98 Resp: 760087
Ion Ratio Lower Upper
98 100
100 62.2 52.1 78.1



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

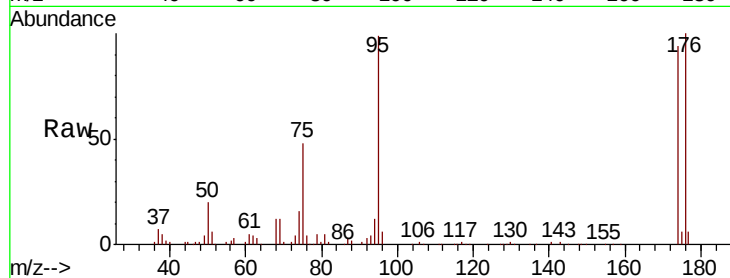




#62
4-Bromofluorobenzene
Concen: 37.129 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	95	Resp	329693
Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	167.0
176	101.1	0.0	159.2

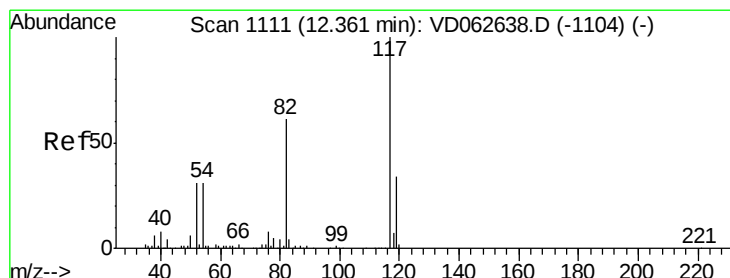
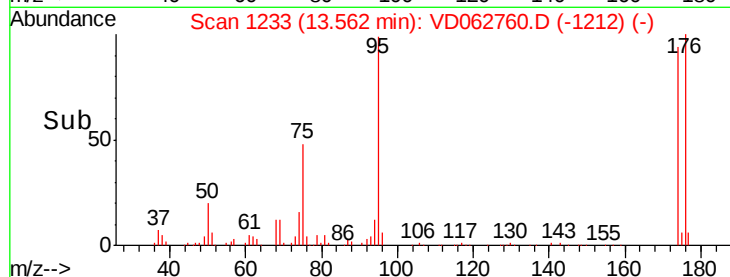
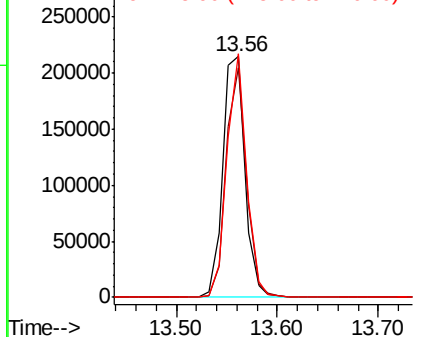


Abundance

Ion 95.00 (94.70 to 95.70): V

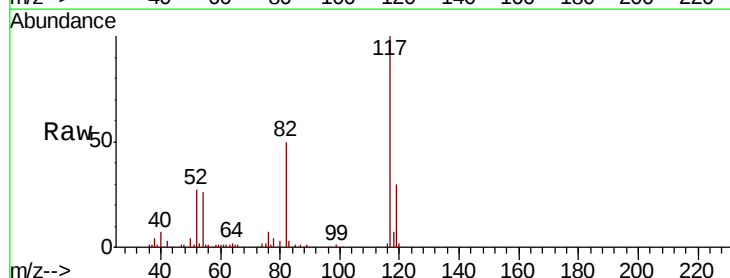
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062760.D
Acq: 18 Jun 2019 20:03

Tgt Ion	117	Resp	650095
Ion	Ratio	Lower	Upper
117	100		
82	50.2	48.7	73.1
119	30.3	27.0	40.6

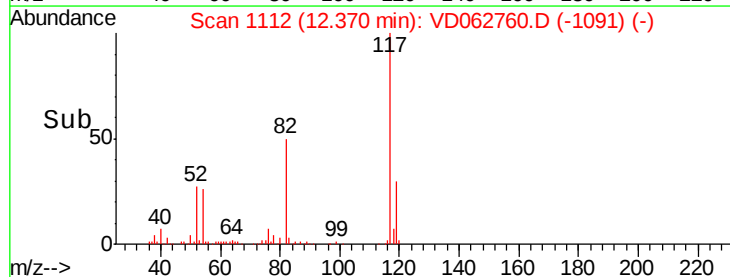
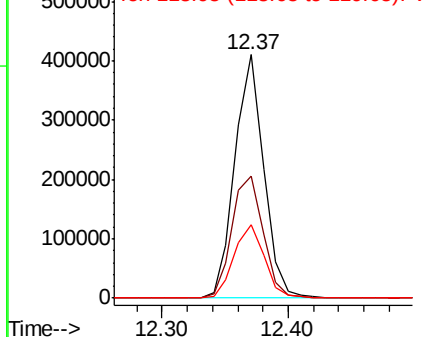


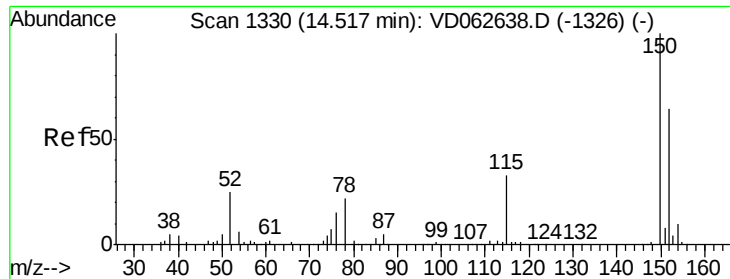
Abundance

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. -0.00 min

Lab File: VD062760.D

Acq: 18 Jun 2019 20:03

Instrument :

MSVOA_D

ClientSampleId :

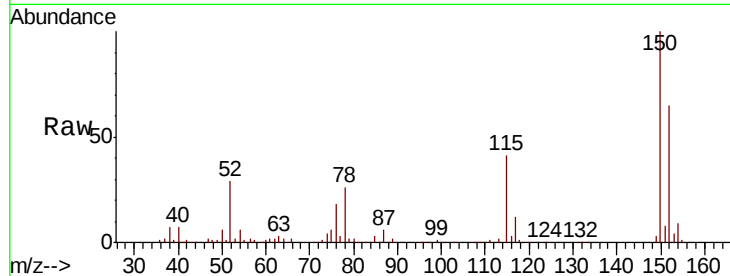
Tot Ion:152 Resp: 328759

Ion Ratio Lower Upper

152 100

115 62.6 30.1 90.5

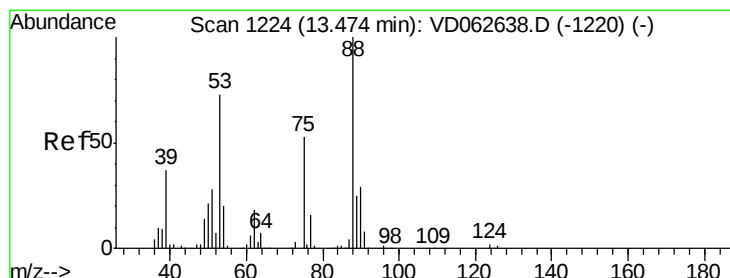
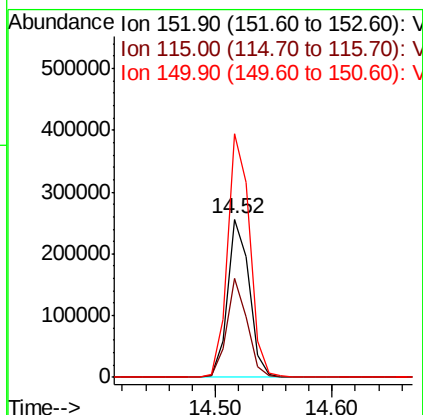
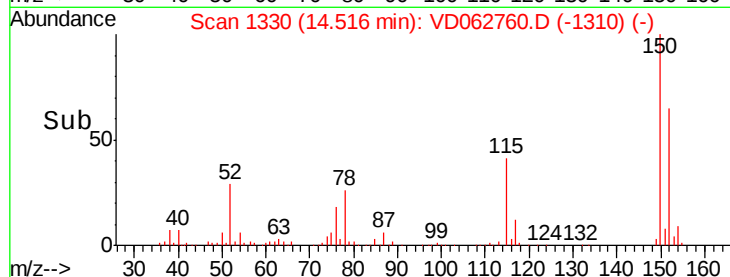
150 154.1 0.0 314.0



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: 121.197 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062760.D

Acq: 18 Jun 2019 20:03

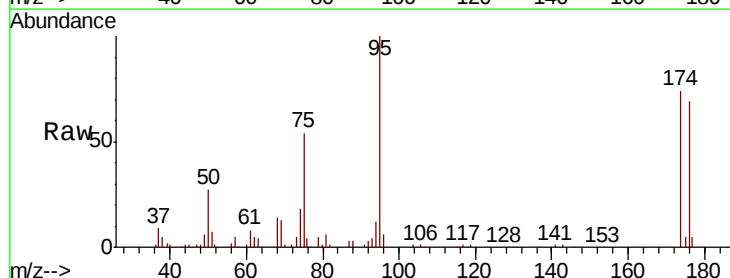
Tgt Ion: 75 Resp: 168166

Ion Ratio Lower Upper

75 100

53 0.0 109.4 164.2#

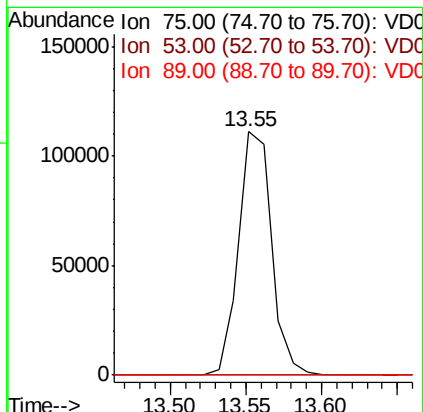
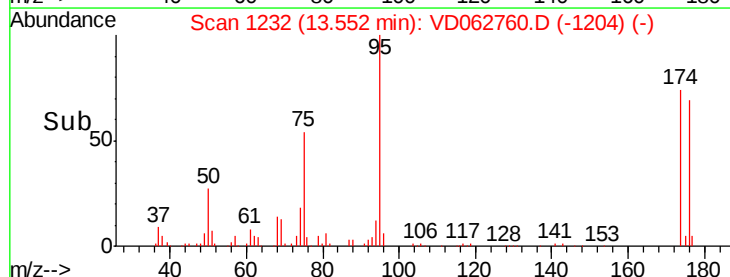
89 0.0 37.0 55.6#

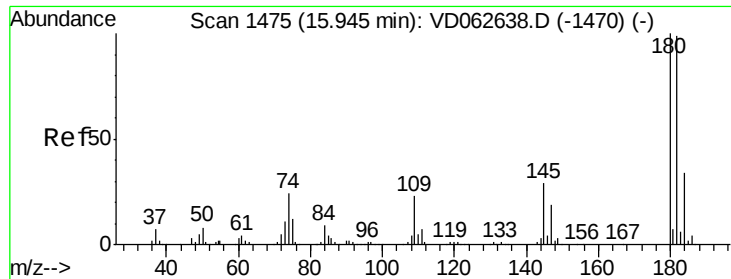


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

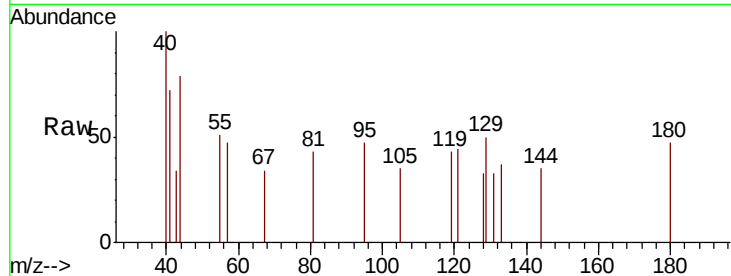




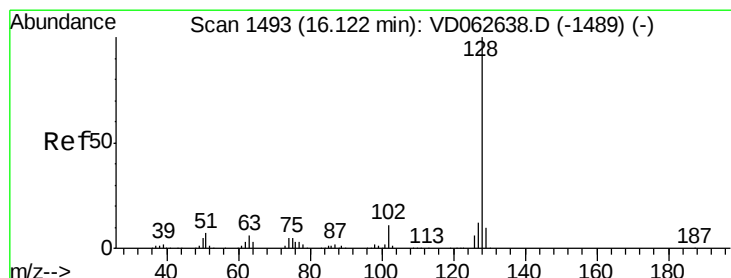
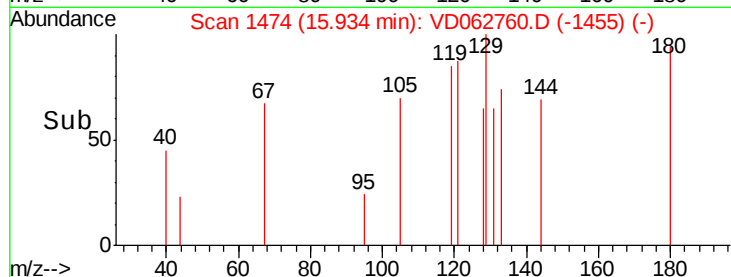
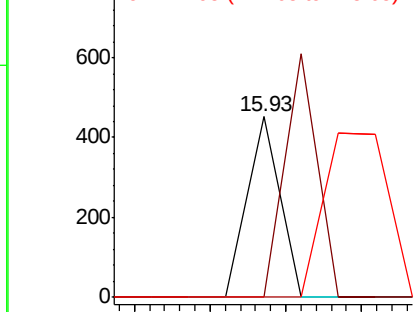
#93
 1,2,4-Trichlorobenzene
 Concen: 3.597 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD062760.D
 Acq: 18 Jun 2019 20:03

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 267
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.4 148.2#
 145 0.0 14.5 43.6#

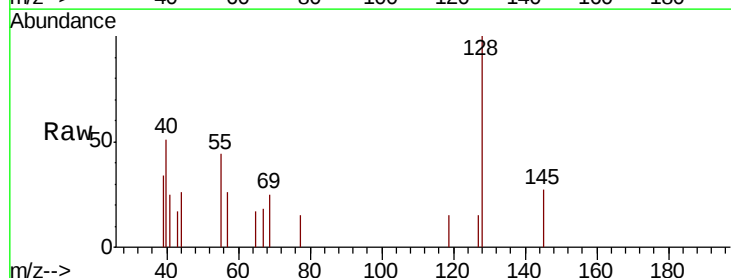


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.642 ug/l
 RT: 16.12 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: VD062760.D
 Acq: 18 Jun 2019 20:03

Tgt Ion:128 Resp: 2462
 Ion Ratio Lower Upper
 128 100
 127 15.4 9.7 14.5#
 129 0.0 8.1 12.1#



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

