

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100620\
 Data File : VD067137.D
 Acq On : 07 Oct 2020 05:59
 Operator : VA/SY
 Sample : L4273-10
 Misc : 5.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5A

Quant Time: Oct 07 06:19:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

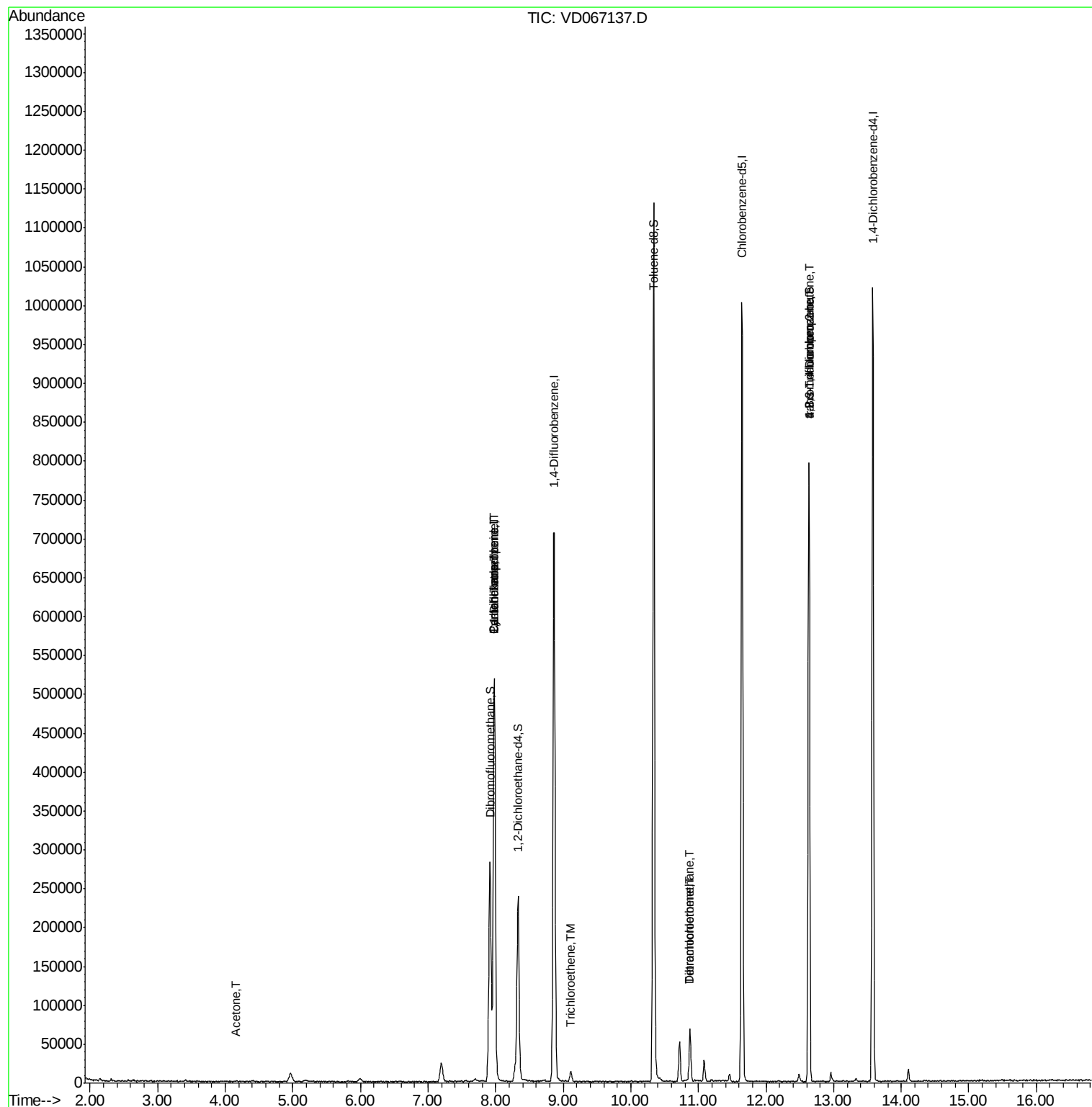
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	653844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	609488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285365	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	189702	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
35) Dibromofluoromethane	7.92	113	208867	48.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.58%	
50) Toluene-d8	10.34	98	762089	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.64	95	253214	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	748	Below Cal	#	40
5) Bromomethane	2.70	94	54	Below Cal	#	3
11) Tert butyl alcohol	5.17	59	1313	Below Cal	#	72
16) Acetone	4.16	43	604	1.014 ug/l	#	42
20) Methylene Chloride	4.96	84	9218	Below Cal		85
26) 2,2-Dichloropropane	7.19	77	1455	Below Cal	#	53
31) Cyclohexane	7.99	56	7446	1.271 ug/l	#	1
36) 1,1-Dichloropropene	7.98	75	28886	4.740 ug/l	#	51
38) Carbon Tetrachloride	7.98	117	40347	6.119 ug/l	#	15
44) Trichloroethene	9.11	130	5797	1.147 ug/l		65
60) Dibromochloromethane	10.87	129	13545	3.198 ug/l	#	12
64) Tetrachloroethene	10.88	164	16204	3.657 ug/l	#	86
76) 1,2,3-Trichloropropane	12.64	75	128214	51.582 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.64	75	128214	128.601 ug/l	#	12

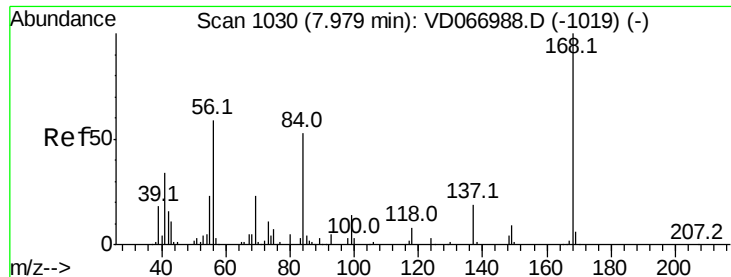
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 07 06:19:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Instrument :

MSVOA_D

ClientSampled :

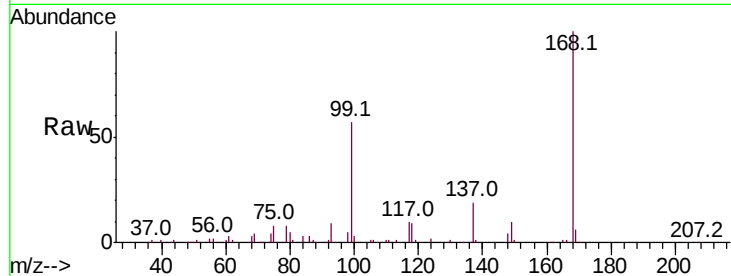
SB-5A

Tot Ion:168 Resp: 405119

Ion Ratio Lower Upper

168 100

99 57.1 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

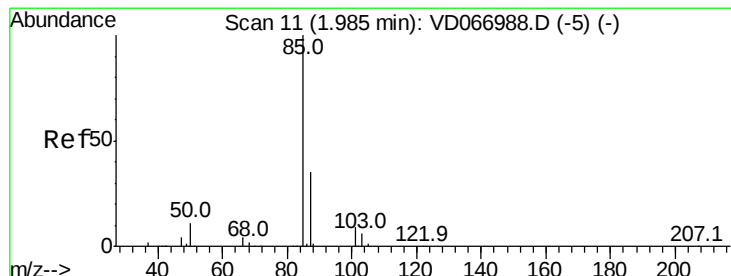
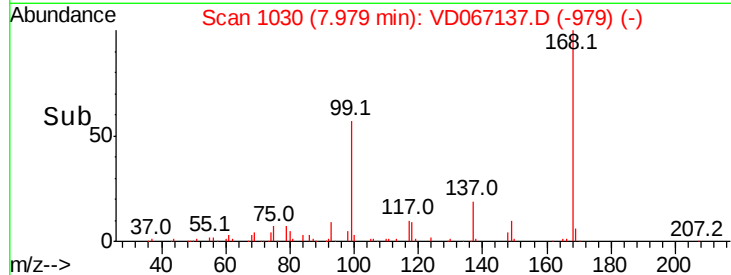
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067137.D

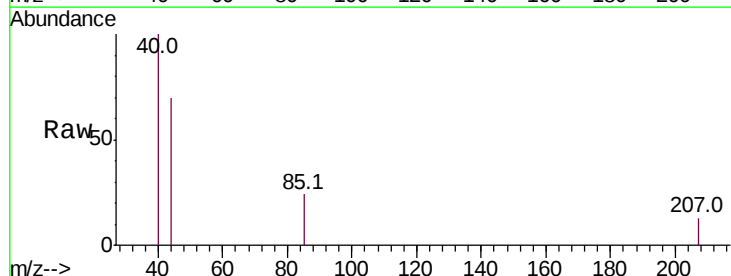
Acq: 07 Oct 2020 05:59

Tgt Ion: 85 Resp: 748

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

600

500

400

300

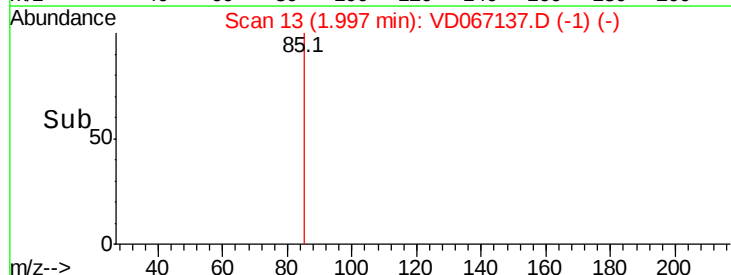
200

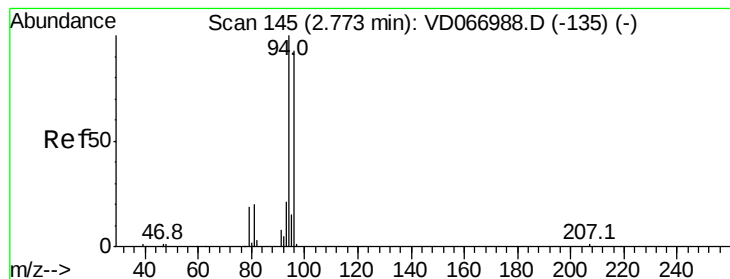
100

0

1.96 1.98 2.00 2.02

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.70 min Scan# 133

Delta R.T. -0.07 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Instrument :

MSVOA_D

ClientSampleId :

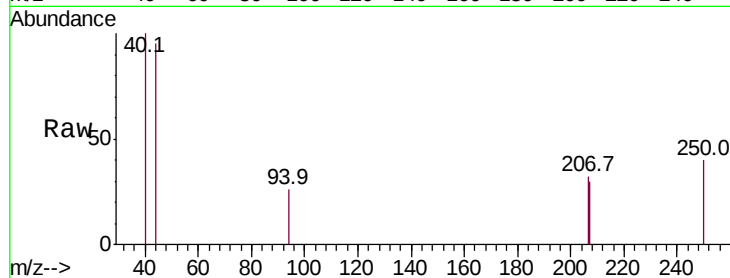
SB-5A

Tot Ion: 94 Resp: 54

Ion Ratio Lower Upper

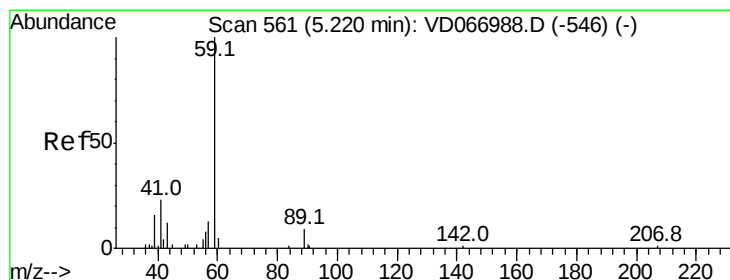
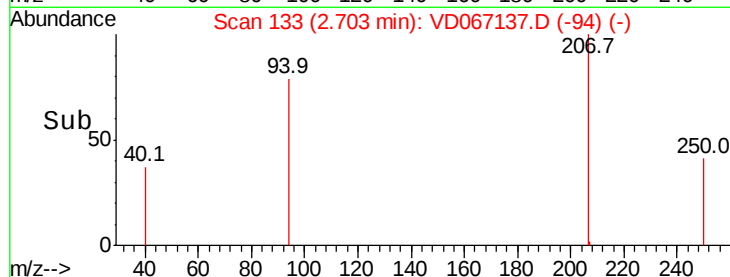
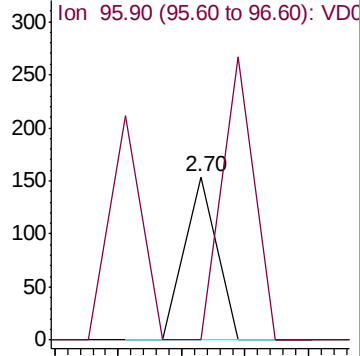
94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 552

Delta R.T. -0.05 min

Lab File: VD067137.D

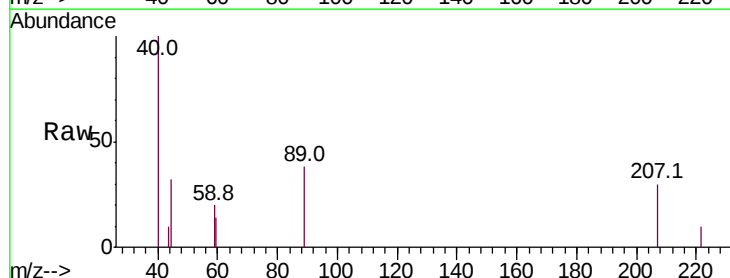
Acq: 07 Oct 2020 05:59

Tgt Ion: 59 Resp: 1313

Ion Ratio Lower Upper

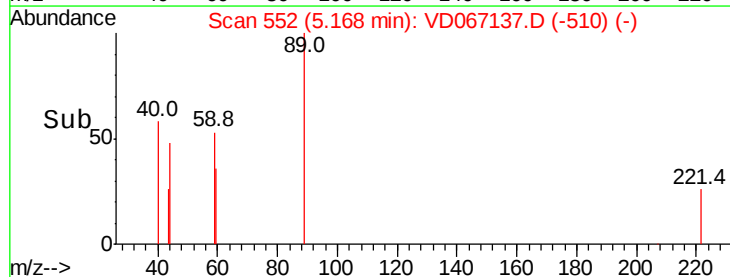
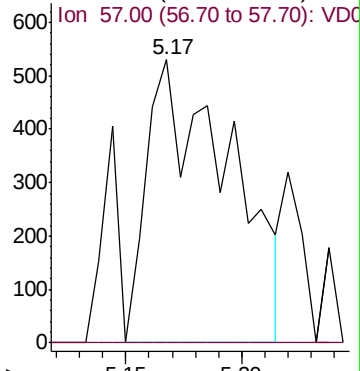
59 100

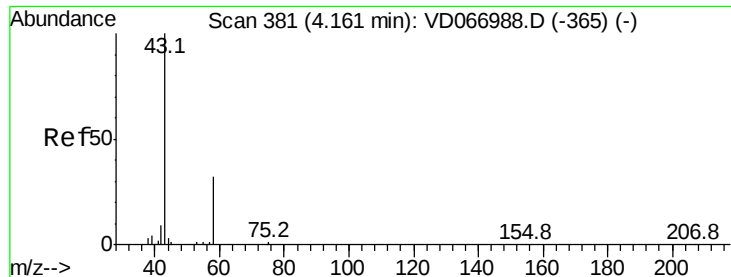
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 1.014 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Instrument :

MSVOA_D

ClientSampled :

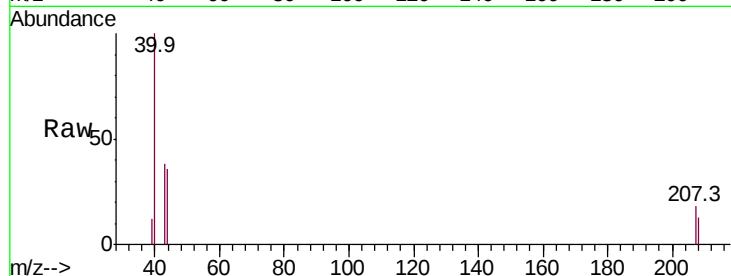
SB-5A

Tot Ion: 43 Resp: 604

Ion Ratio Lower Upper

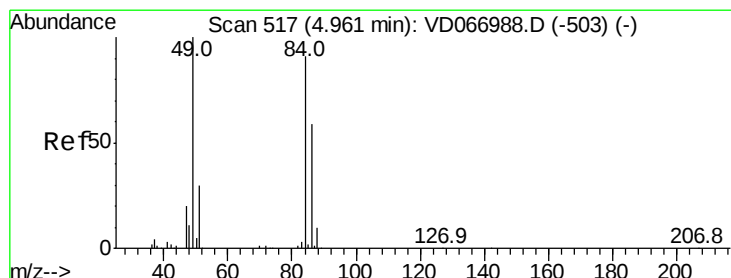
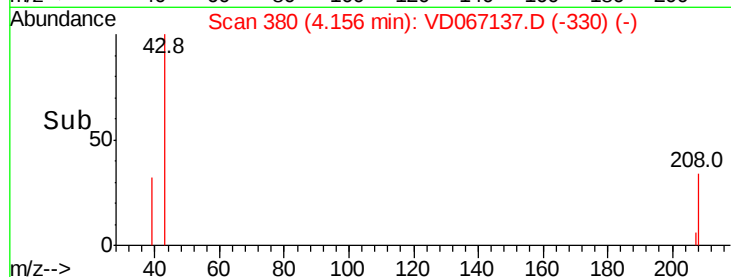
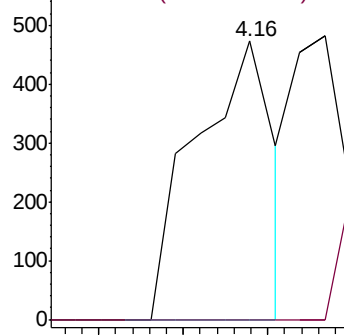
43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Tgt Ion: 84 Resp: 9218

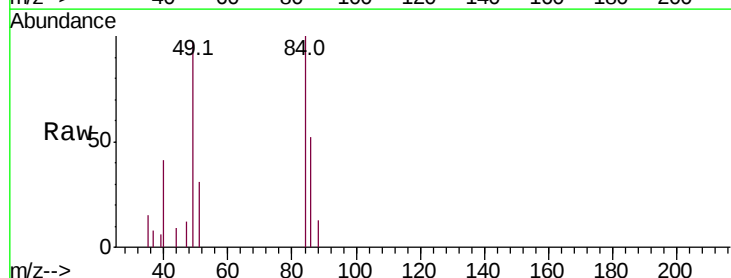
Ion Ratio Lower Upper

84 100

49 92.5 88.2 132.2

51 30.8 26.6 39.8

86 52.4 52.1 78.1

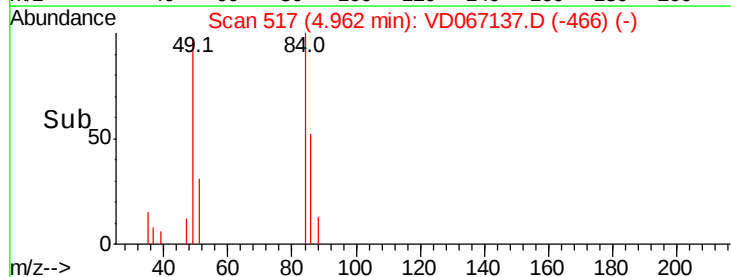
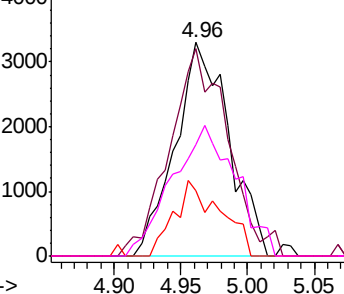


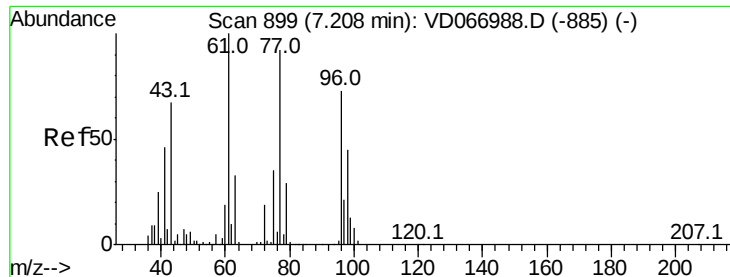
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.19 min Scan# 896

Delta R.T. -0.02 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Instrument :

MSVOA_D

ClientSampleId :

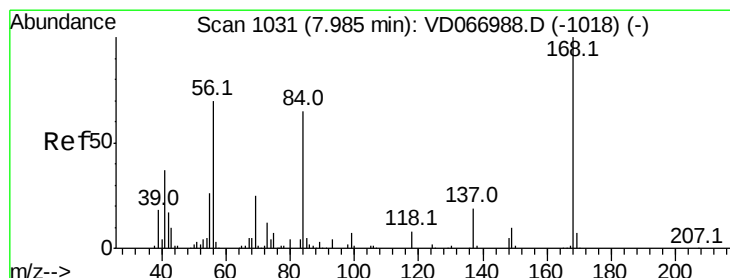
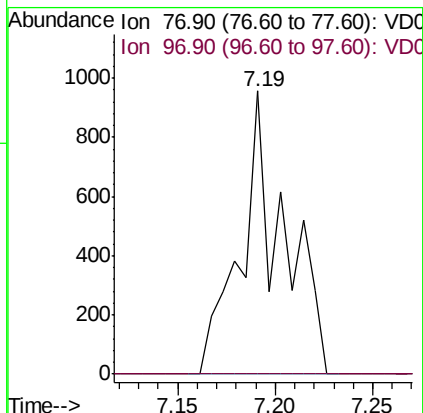
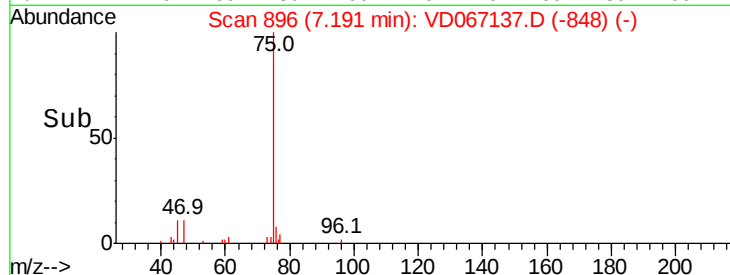
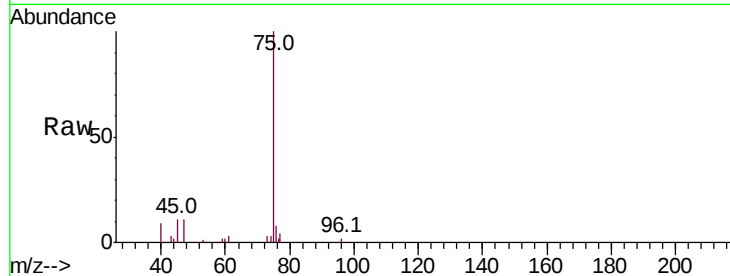
SB-5A

Tot Ion: 77 Resp: 1455

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

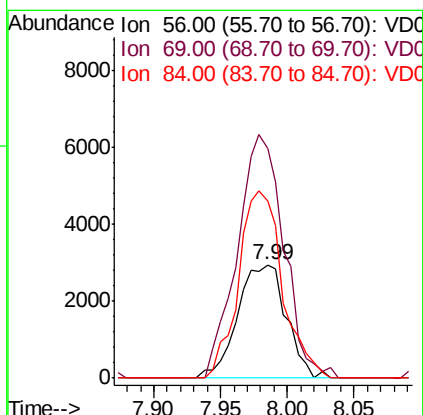
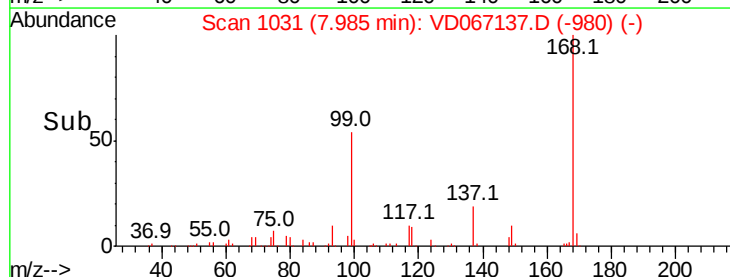
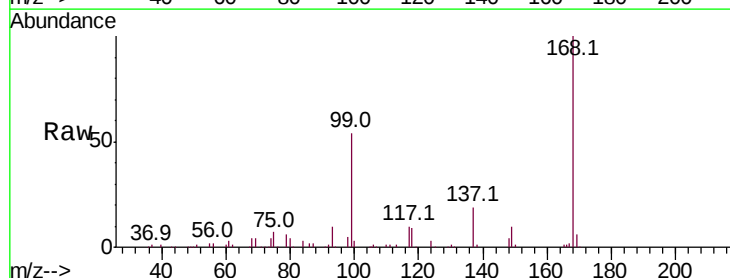
Tgt Ion: 56 Resp: 7446

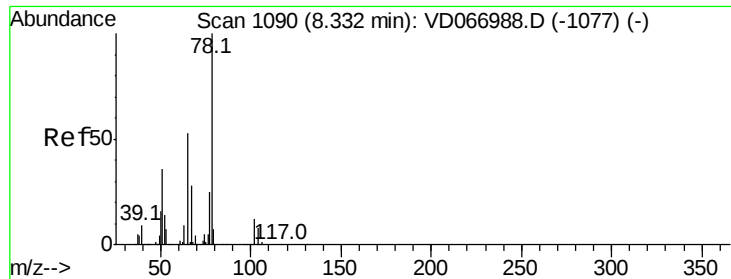
Ion Ratio Lower Upper

56 100

69 202.5 29.0 43.6#

84 155.9 74.2 111.2#

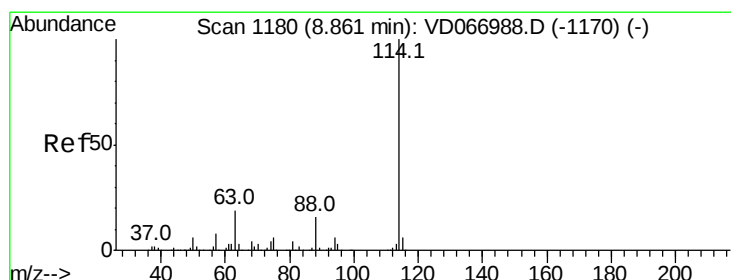
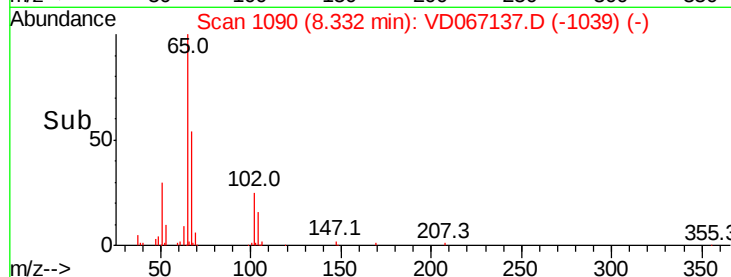
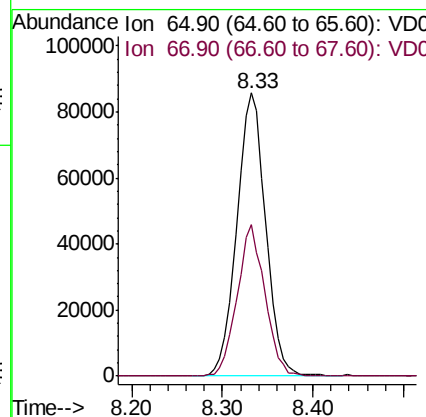
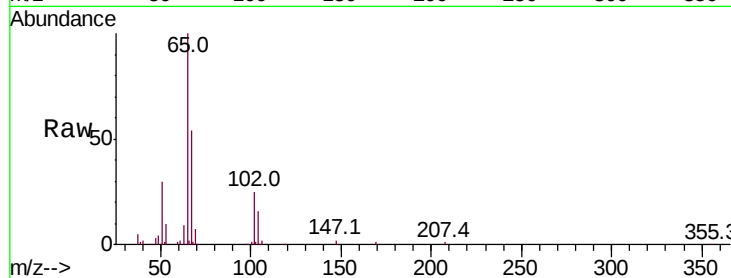




#33
 1,2-Dichloroethane-d4
 Concen: 48.616 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067137.D
 Acq: 07 Oct 2020 05:59

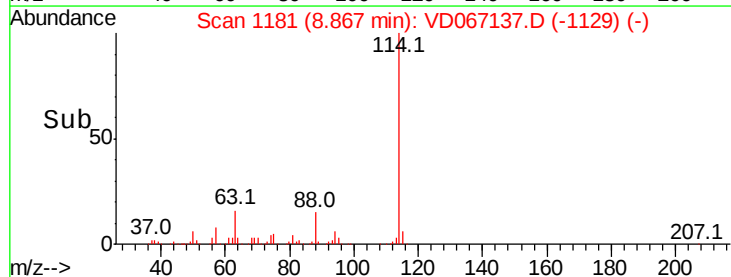
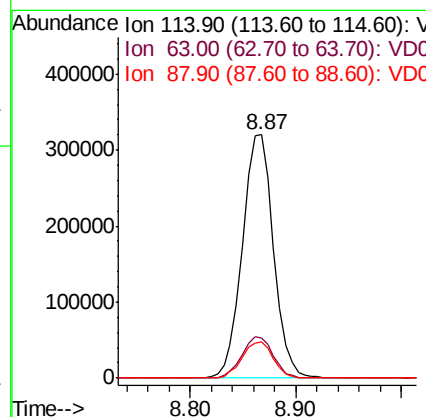
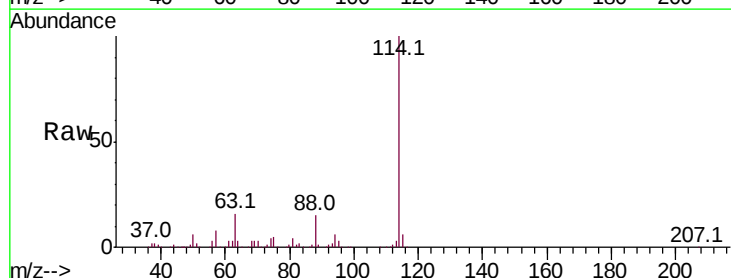
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-5A

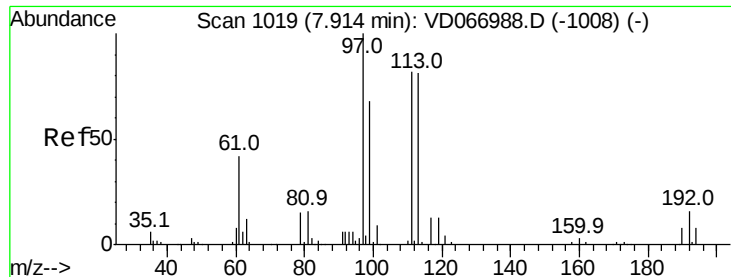
Tot Ion: 65 Resp: 189702
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067137.D
 Acq: 07 Oct 2020 05:59

Tgt Ion: 114 Resp: 653844
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 38.4
 88 14.7 0.0 31.2

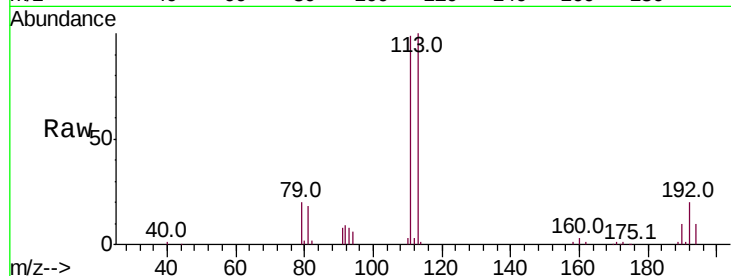




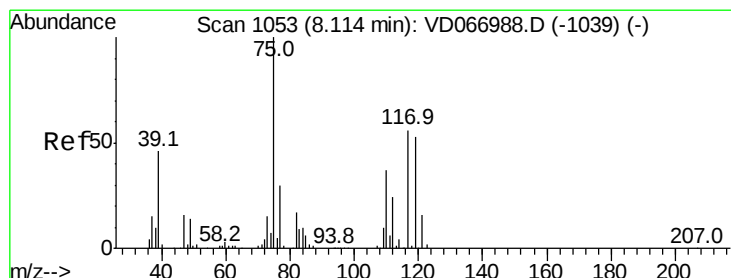
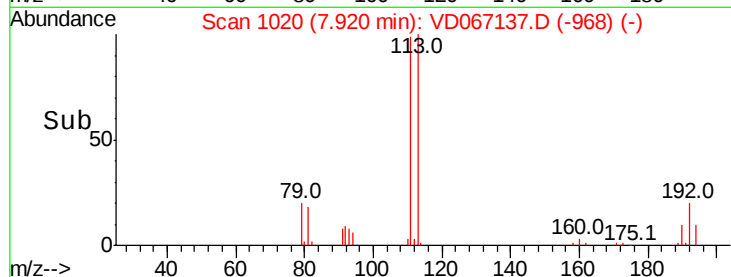
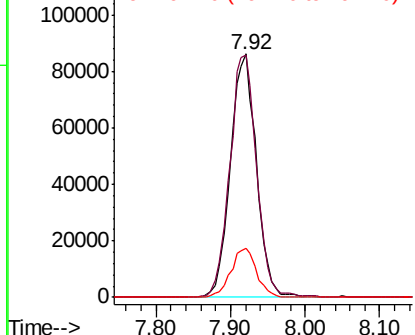
#35
Dibromofluoromethane
Concen: 48.794 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

Instrument :
MSVOA_D
ClientSampleId :
SB-5A

Tot Ion:113 Resp: 208867
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 19.8 15.5 23.3

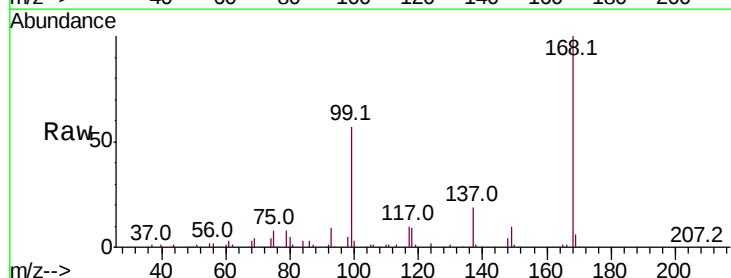


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

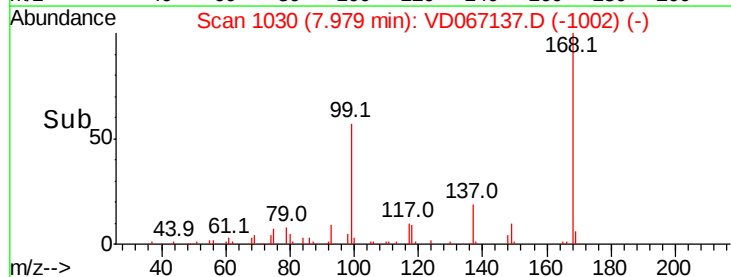
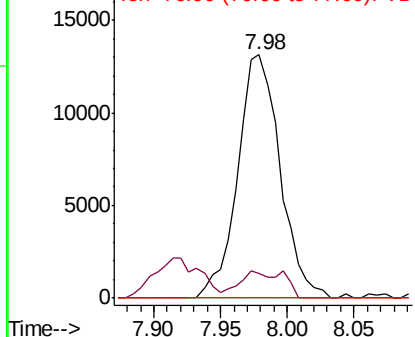


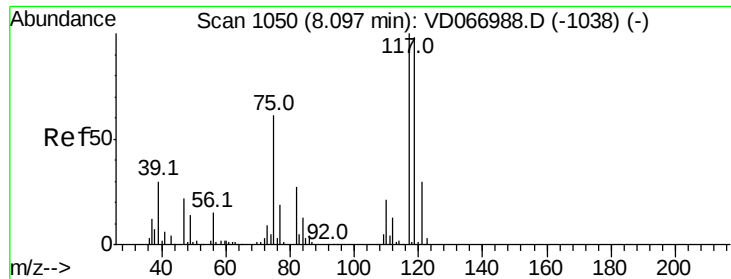
#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.14 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

Tgt Ion: 75 Resp: 28886
Ion Ratio Lower Upper
75 100
110 11.8 18.4 55.0#
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 6.119 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Instrument :

MSVOA_D

ClientSampleId :

SB-5A

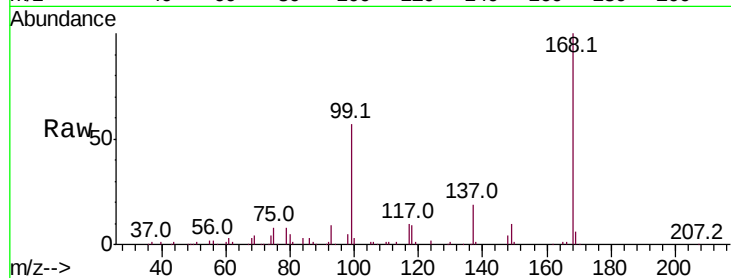
Tot Ion:117 Resp: 40347

Ion Ratio Lower Upper

117 100

119 5.2 78.7 118.1#

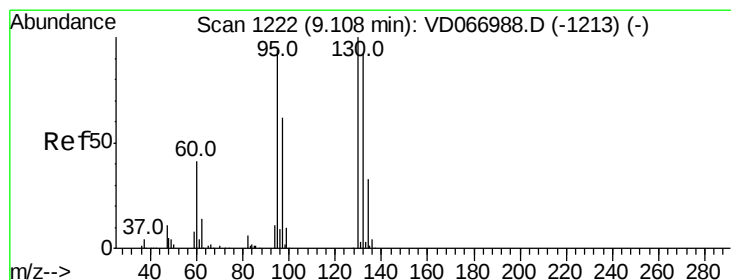
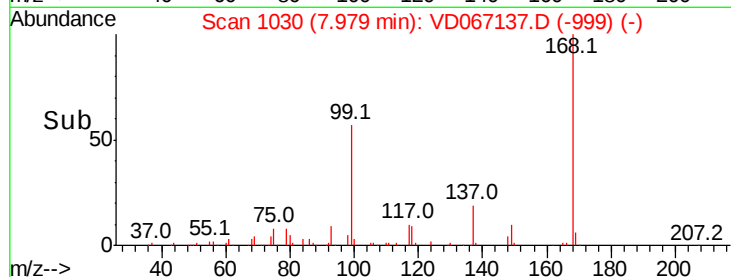
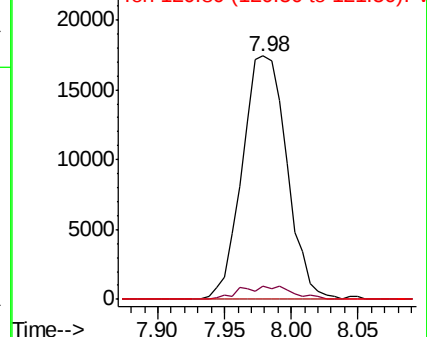
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 1.147 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067137.D

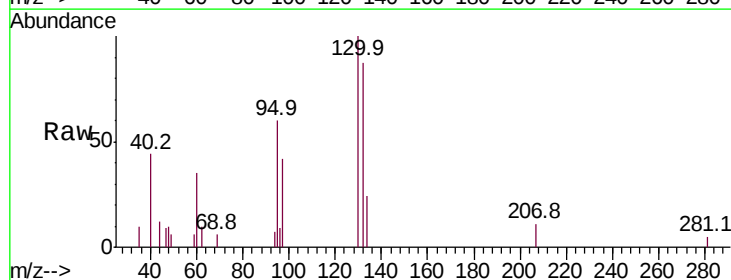
Acq: 07 Oct 2020 05:59

Tgt Ion:130 Resp: 5797

Ion Ratio Lower Upper

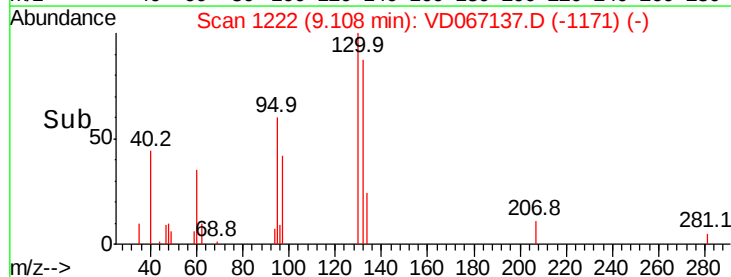
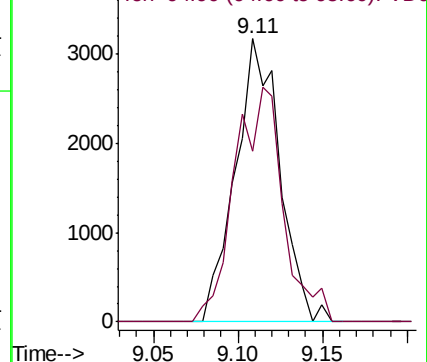
130 100

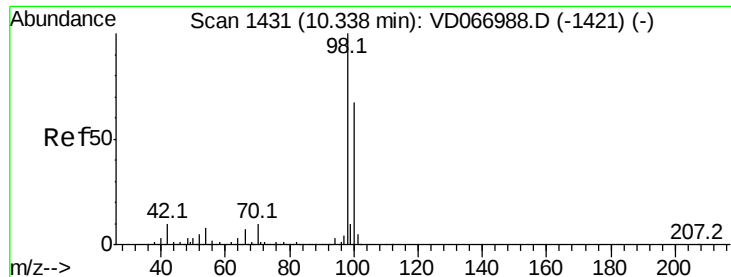
95 60.2 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

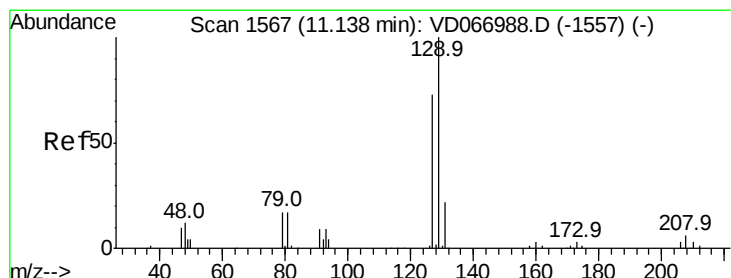
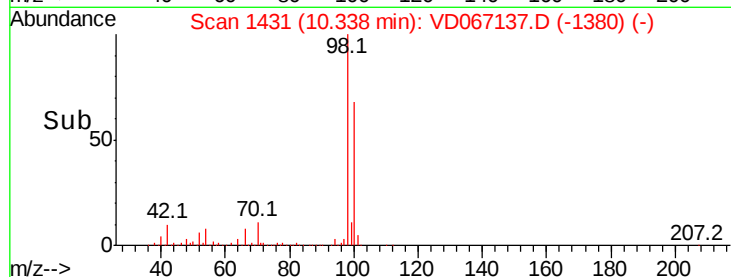
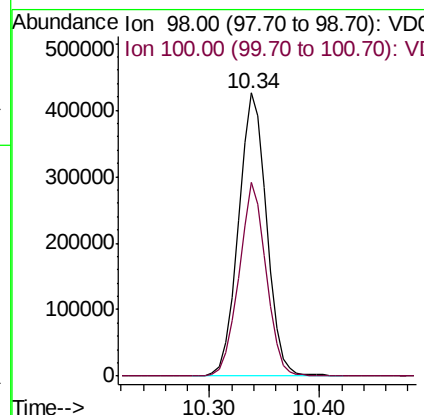
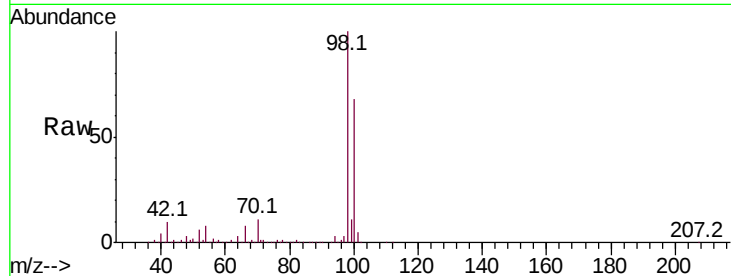




#50
Toluene-d8
Concen: 48.858 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

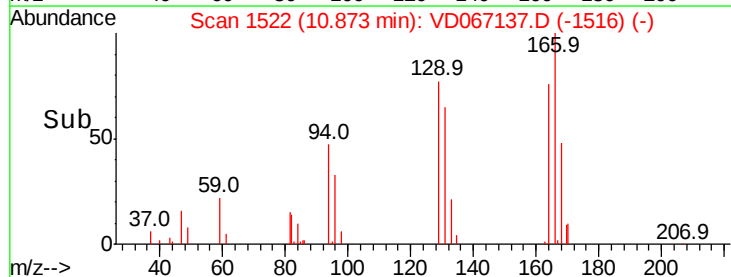
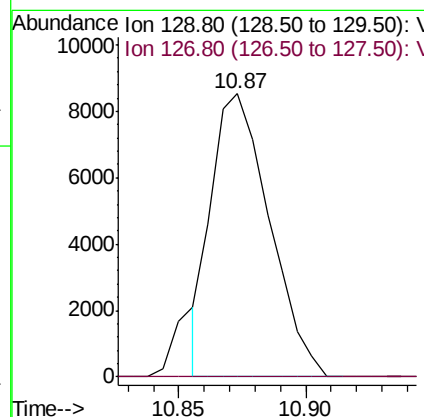
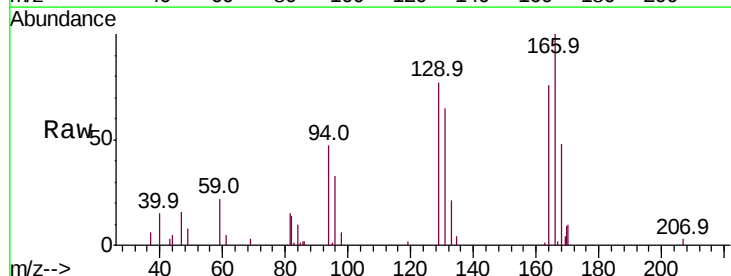
Instrument :
MSVOA_D
ClientSampleId :
SB-5A

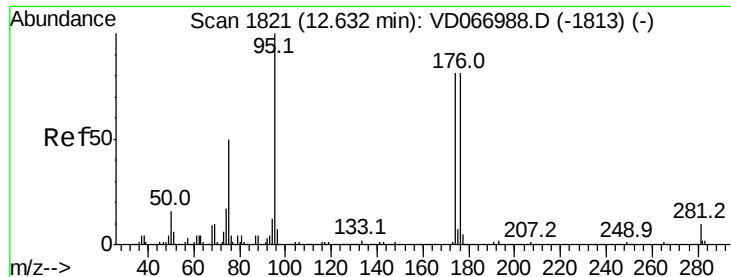
Tot Ion: 98 Resp: 762089
Ion Ratio Lower Upper
98 100
100 66.0 52.8 79.2



#60
Dibromochloromethane
Concen: 3.198 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.26 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

Tgt Ion: 129 Resp: 13545
Ion Ratio Lower Upper
129 100
127 0.0 37.4 112.1#

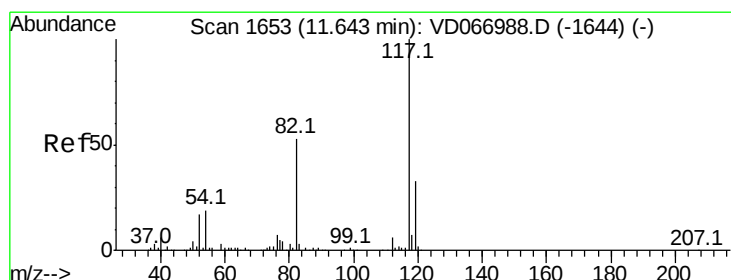
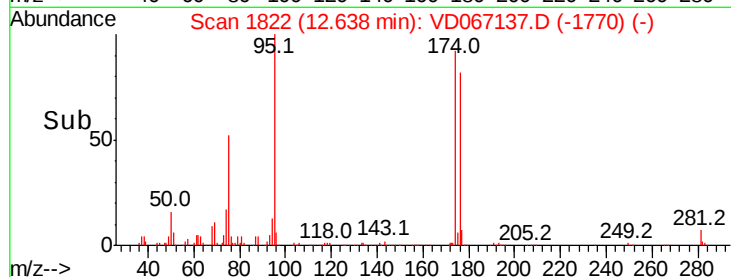
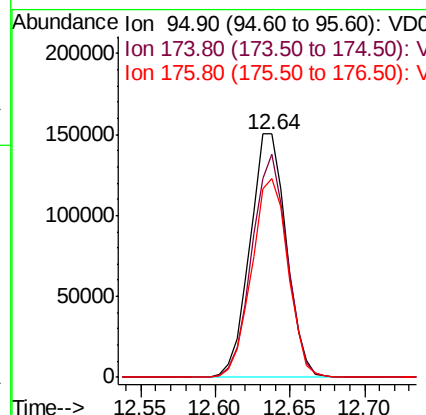
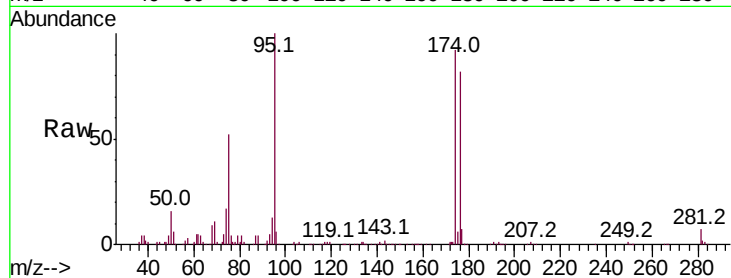




#62
4-Bromofluorobenzene
Concen: 47.820 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

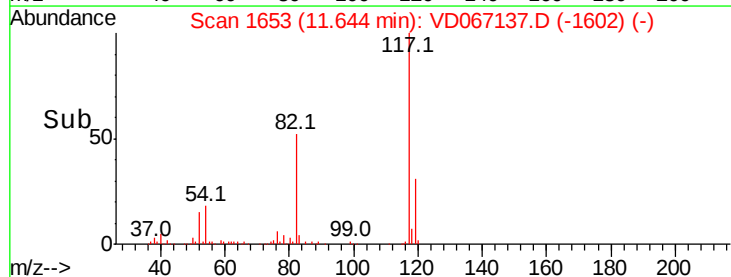
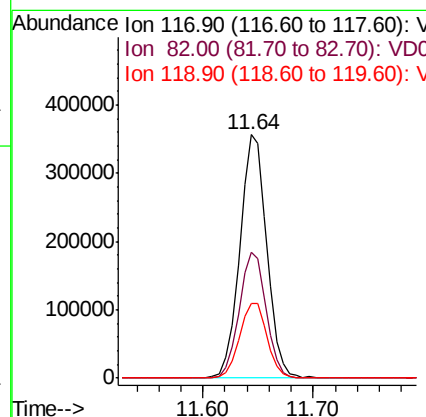
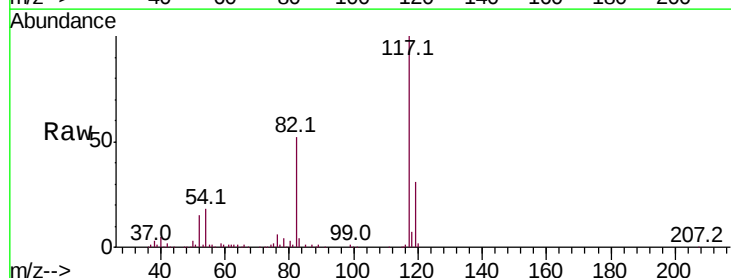
Instrument :
MSVOA_D
ClientSampleId :
SB-5A

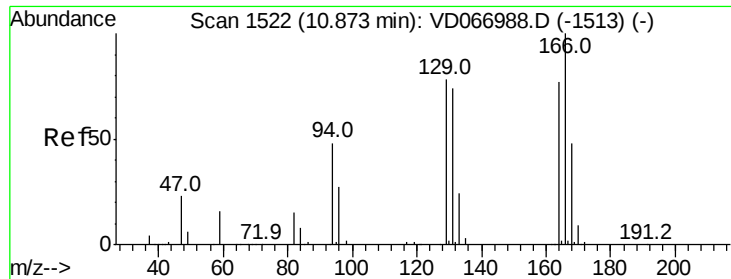
Tot Ion: 95 Resp: 253214
Ion Ratio Lower Upper
95 100
174 88.5 0.0 167.6
176 81.4 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

Tgt Ion: 117 Resp: 609488
Ion Ratio Lower Upper
117 100
82 51.7 42.6 63.8
119 30.8 26.3 39.5

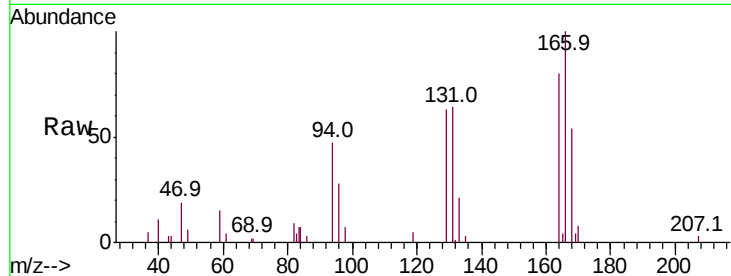




#64
Tetrachloroethene
Concen: 3.657 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

Instrument :
MSVOA_D
ClientSampleId :
SB-5A

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.5	104.4	156.6
129	79.0	81.3	121.9
131	79.5	77.1	115.7



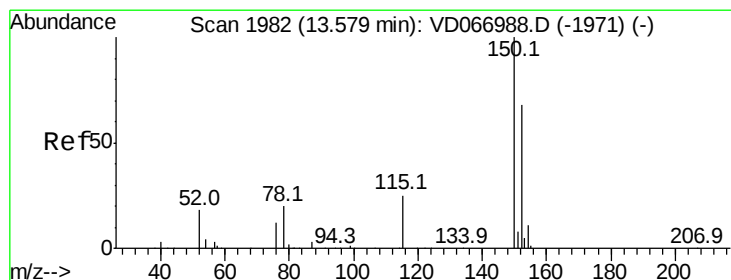
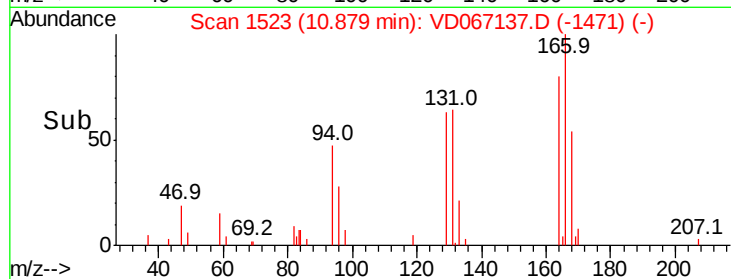
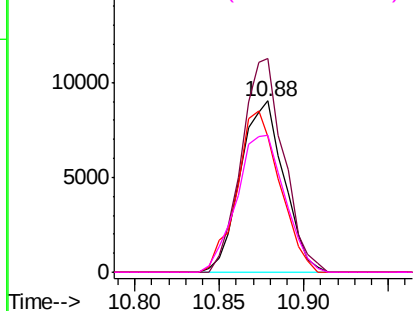
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

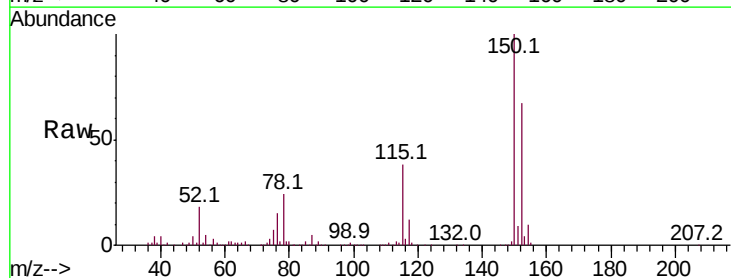
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067137.D
Acq: 07 Oct 2020 05:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.6	88.8
150	152.9	0.0	344.8

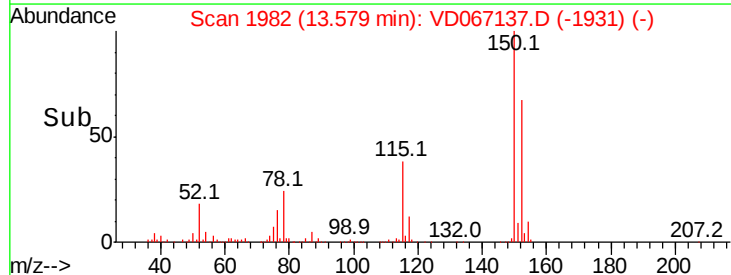
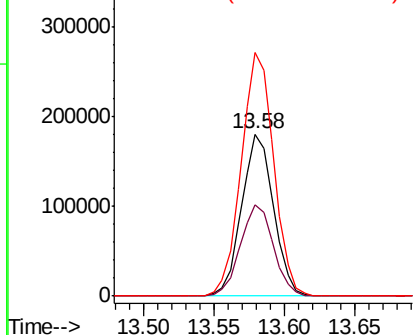


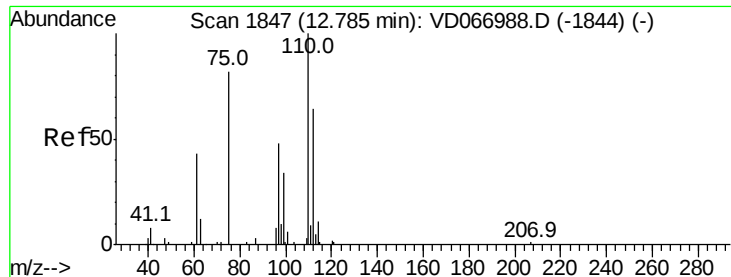
Abundance

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





#76

1,2,3-Trichloropropane

Concen: 51.582 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

Instrument :

MSVOA_D

ClientSampleId :

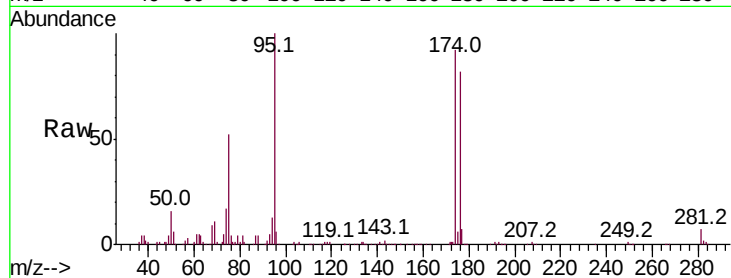
SB-5A

Tot Ion: 75 Resp: 128214

Ion Ratio Lower Upper

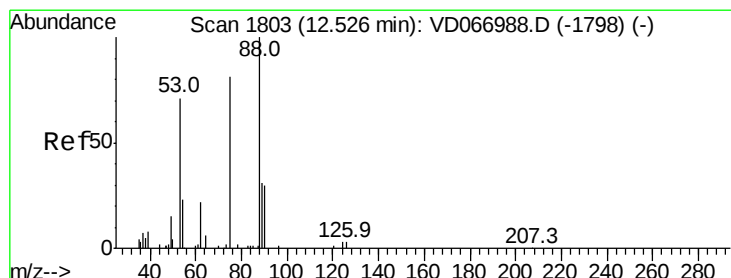
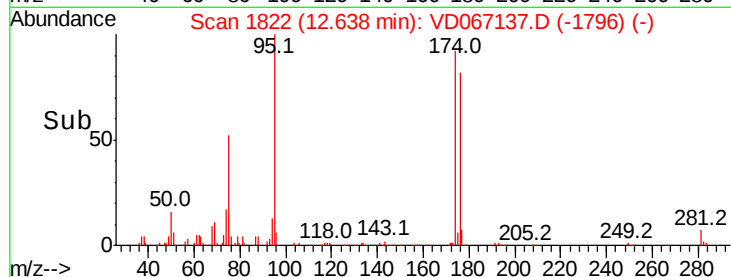
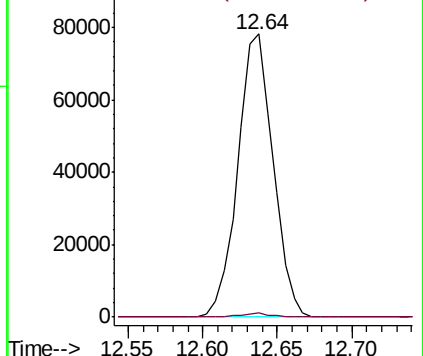
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 128.601 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067137.D

Acq: 07 Oct 2020 05:59

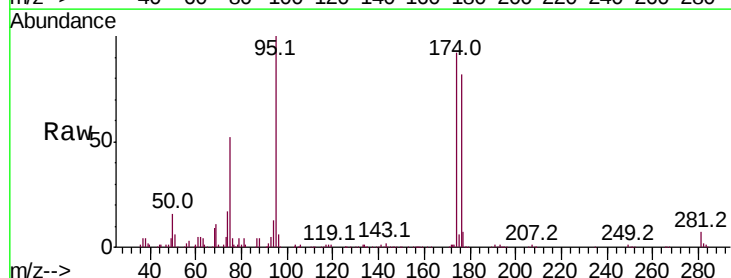
Tgt Ion: 75 Resp: 128214

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.1 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

