

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064954.D
 Acq On : 24 Jan 2020 20:31
 Operator : VA/SY
 Sample : L1242-10
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 25 02:41:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	402312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	651685	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	588980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	192873	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
35) Dibromofluoromethane	7.92	113	64487	15.75	ug/l	0.00
Spiked Amount			Recovery	=	31.50%	
50) Toluene-d8	10.34	98	771104	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.64	95	234974	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	

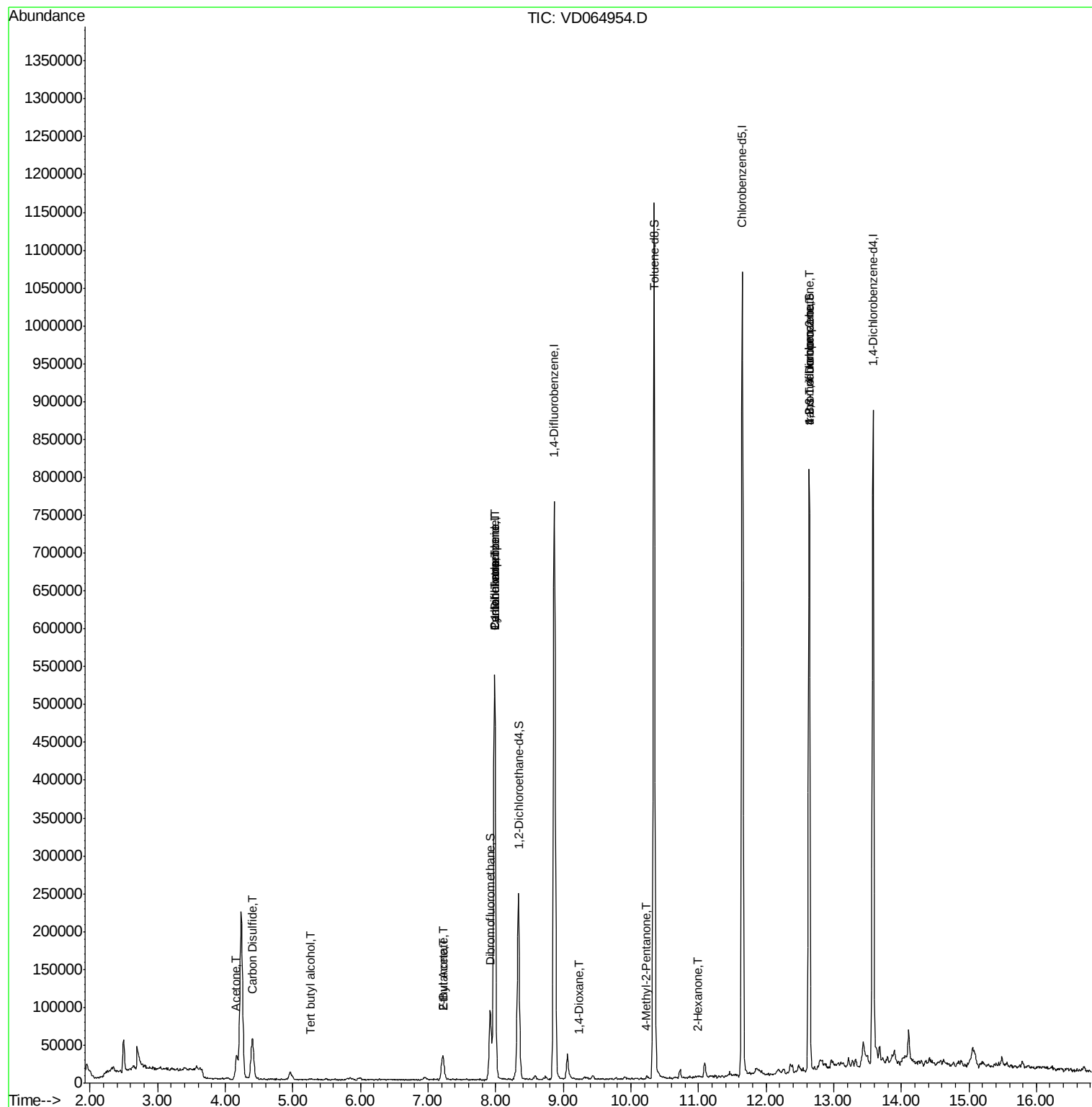
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	309	1.449	ug/l #	74
16) Acetone	4.17	43	57247	65.622	ug/l	94
17) Carbon Disulfide	4.40	76	114968	9.975	ug/l	95
20) Methylene Chloride	4.97	84	6712	Below Cal	#	79
25) 2-Butanone	7.23	43	14502	13.910	ug/l	90
31) Cyclohexane	7.98	56	9604	1.428	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	29318	4.665	ug/l #	51
37) Ethyl Acetate	7.23	43	14502	5.587	ug/l #	69
38) Carbon Tetrachloride	7.98	117	38579	5.808	ug/l #	17
49) 1,4-Dioxane	9.24	88	56	2.108	ug/l #	1
51) 4-Methyl-2-Pentanone	10.23	43	2722	1.103	ug/l #	86
59) 2-Hexanone	11.00	43	2672	1.570	ug/l #	62
76) 1,2,3-Trichloropropane	12.64	75	127404	65.975	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	127404	140.873	ug/l #	10

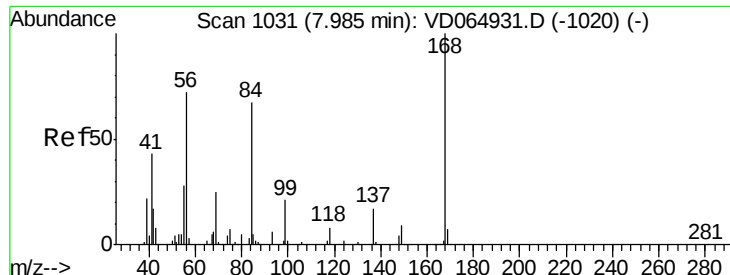
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

Instrument :

MSVOA_D

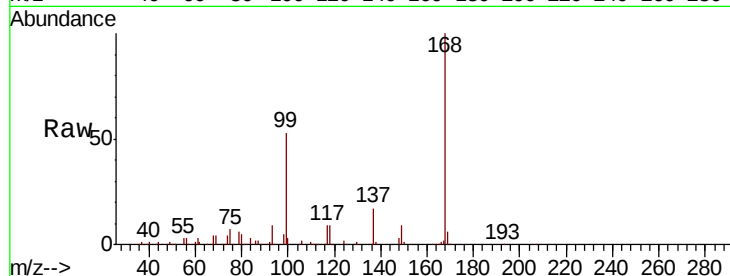
ClientSampled :

Tot Ion:168 Resp: 402312

Ion Ratio Lower Upper

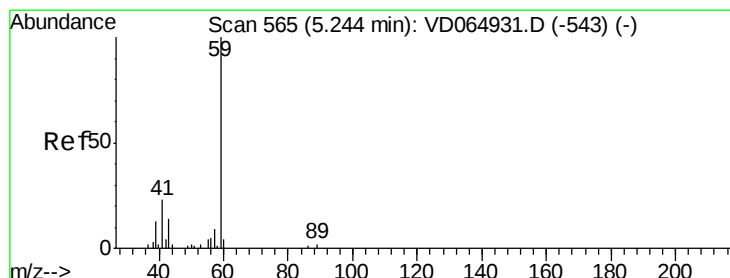
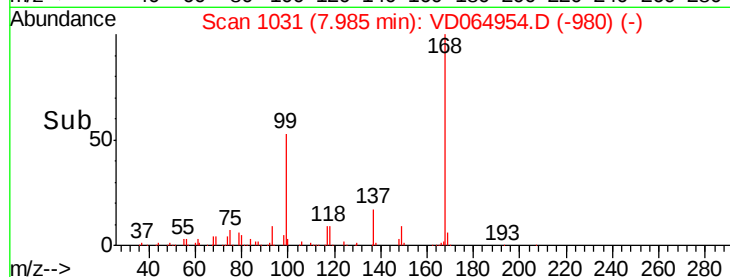
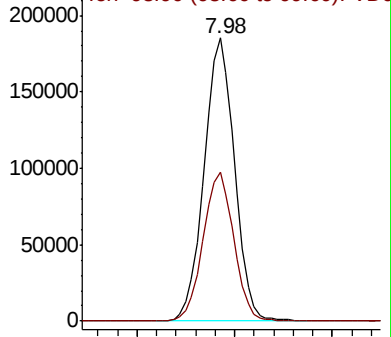
168 100

99 52.8 43.3 64.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 1.449 ug/l

RT: 5.26 min Scan# 567

Delta R.T. 0.01 min

Lab File: VD064954.D

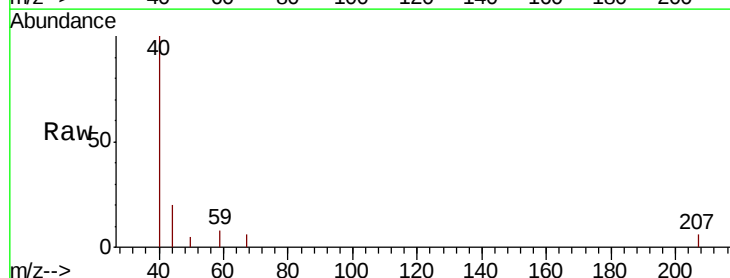
Acq: 24 Jan 2020 20:31

Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

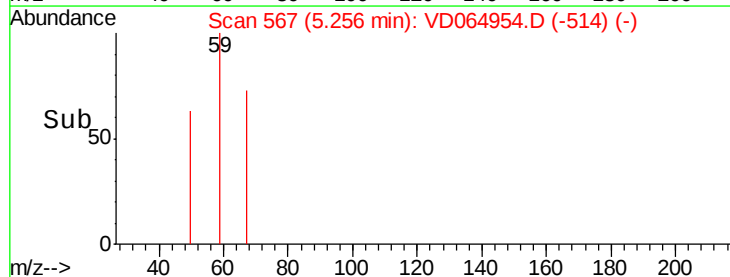
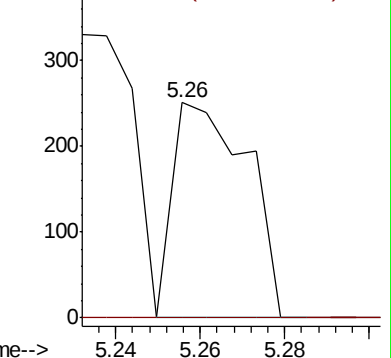
59 100

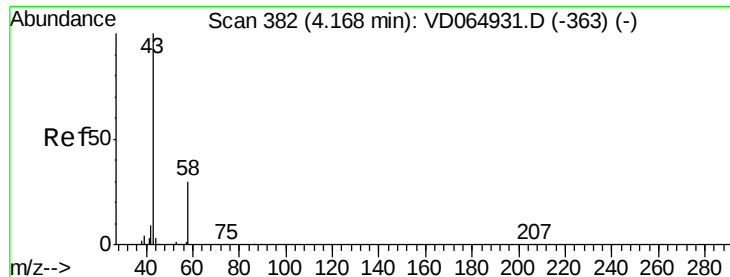
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 65.622 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

Instrument :

MSVOA_D

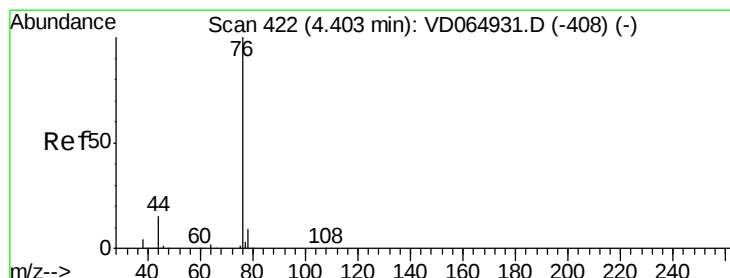
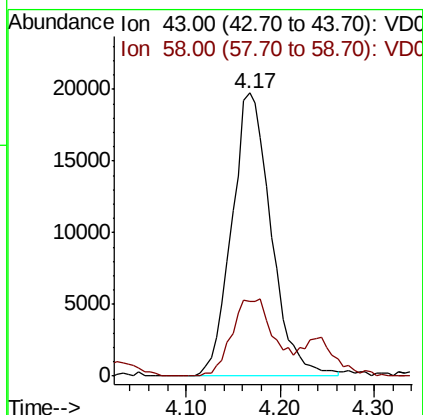
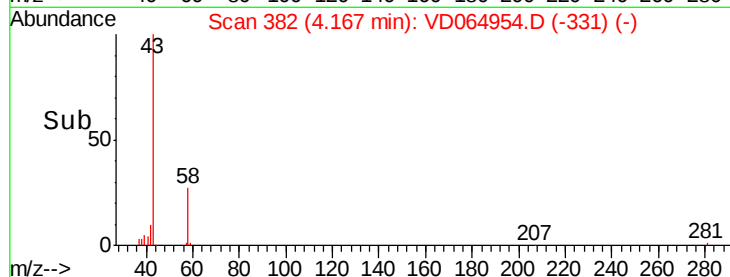
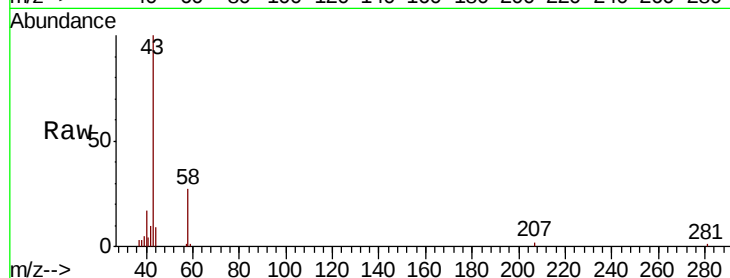
ClientSampleId :

Tot Ion: 43 Resp: 57247

Ion Ratio Lower Upper

43 100

58 26.6 23.8 35.8



#17

Carbon Disulfide

Concen: 9.975 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064954.D

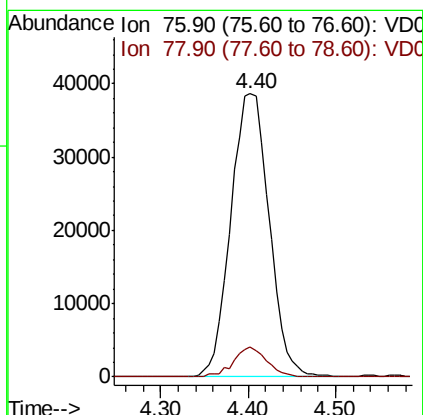
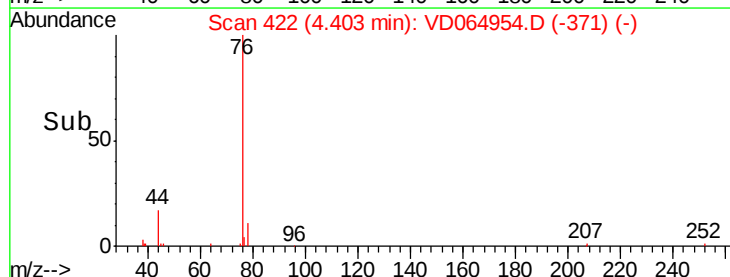
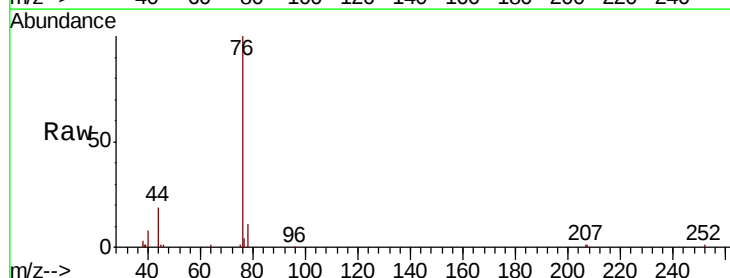
Acq: 24 Jan 2020 20:31

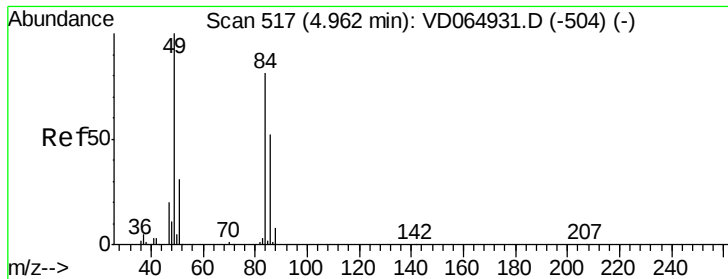
Tgt Ion: 76 Resp: 114968

Ion Ratio Lower Upper

76 100

78 10.6 7.1 10.7

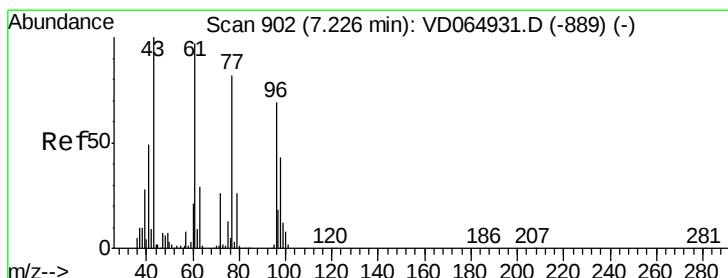
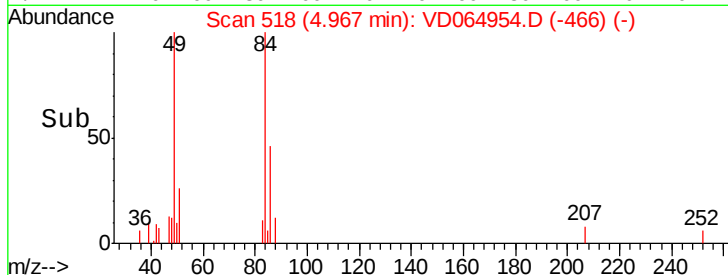
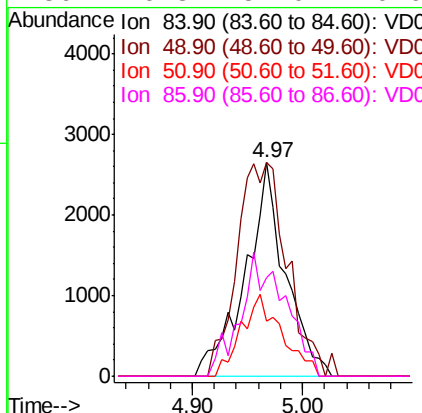
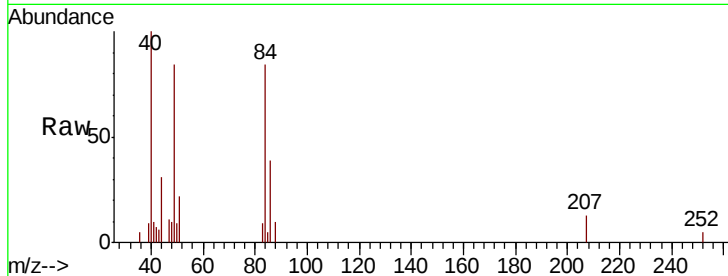




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

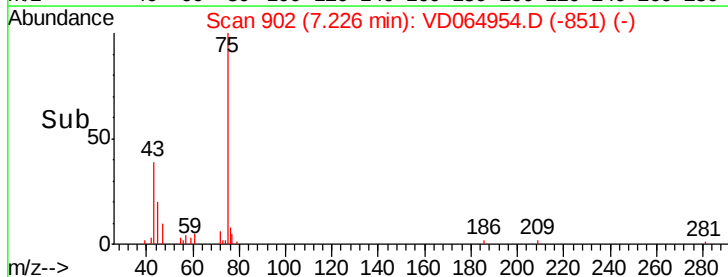
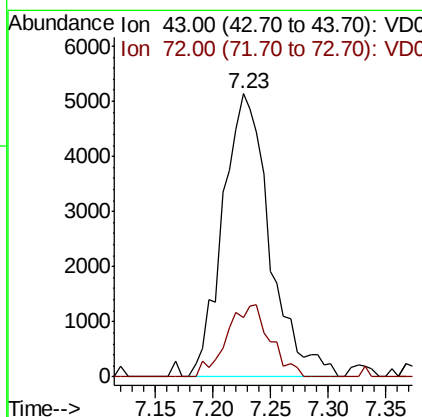
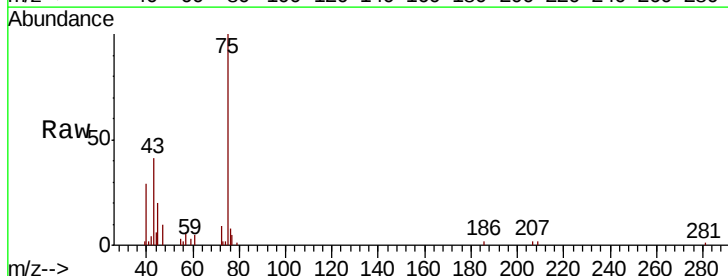
Instrument :
MSVOA_D
ClientSampleId :

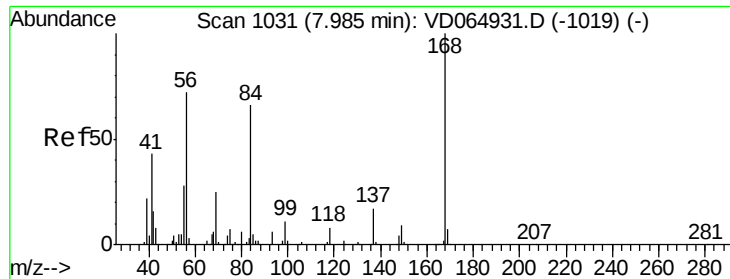
Tot Ion: 84 Resp: 6712
Ion Ratio Lower Upper
84 100
49 100.0 98.4 147.6
51 26.0 30.8 46.2#
86 46.3 51.0 76.6#



#25
2-Butanone
Concen: 13.910 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

Tgt Ion: 43 Resp: 14502
Ion Ratio Lower Upper
43 100
72 20.9 20.6 31.0

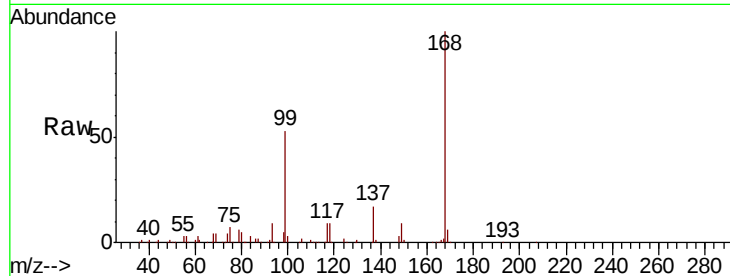




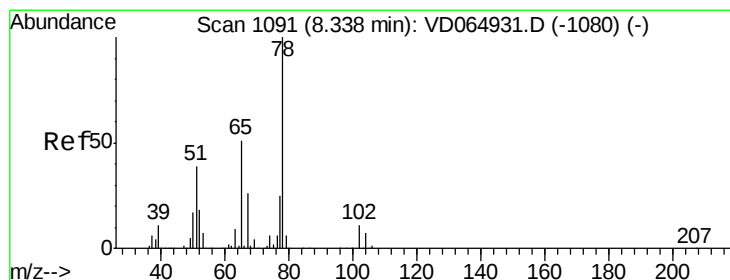
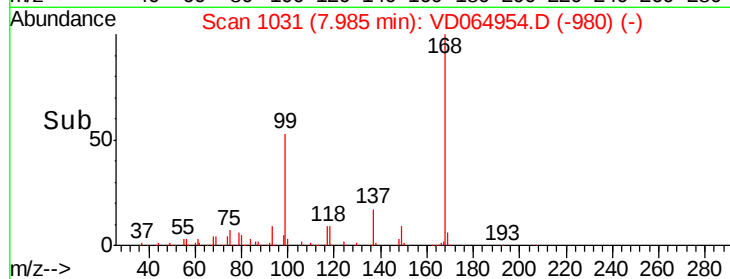
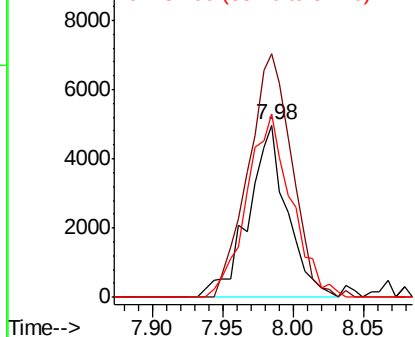
#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 9604
Ion Ratio Lower Upper
56 100
69 141.3 27.9 41.9#
84 106.8 72.8 109.2

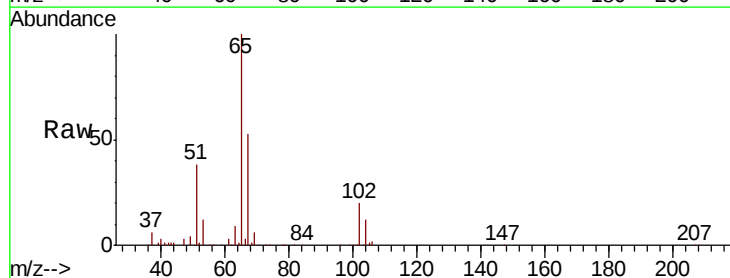


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

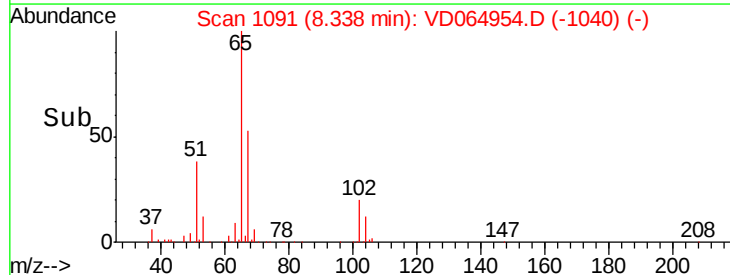
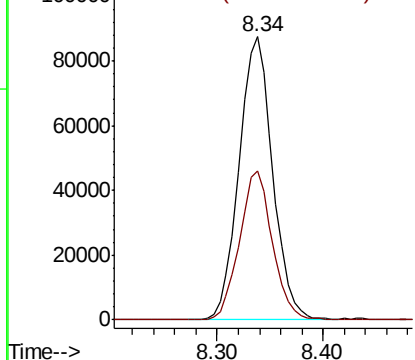


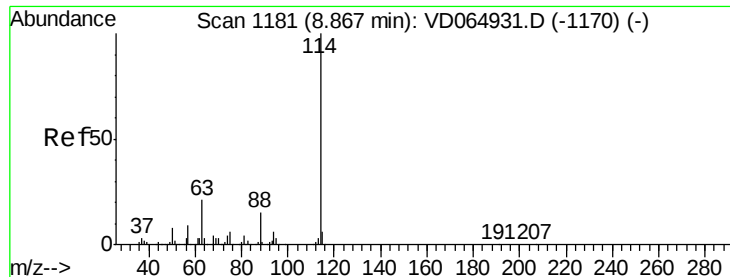
#33
1,2-Dichloroethane-d4
Concen: 49.979 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

Tgt Ion: 65 Resp: 192873
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

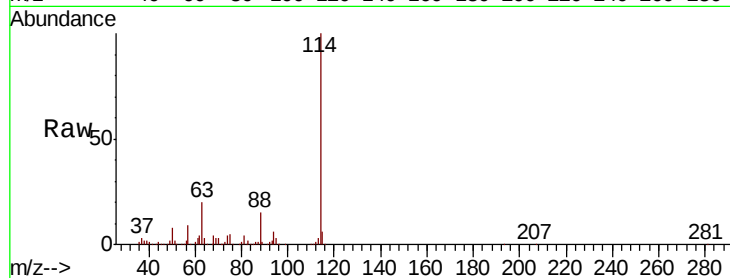




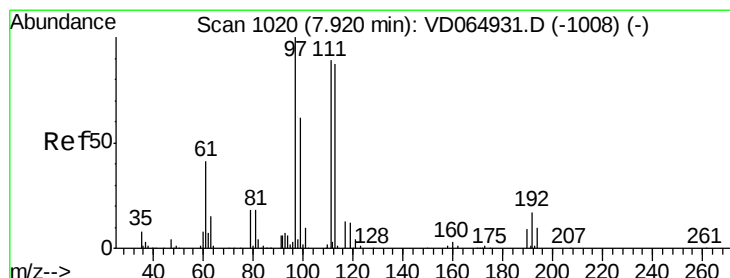
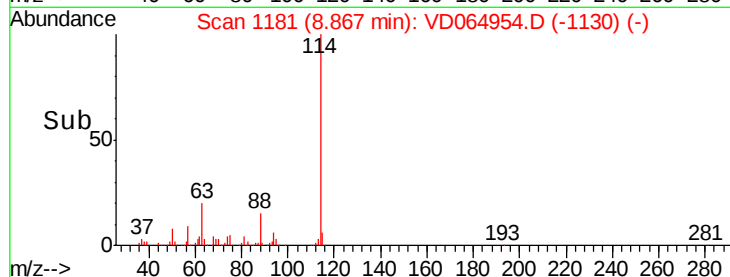
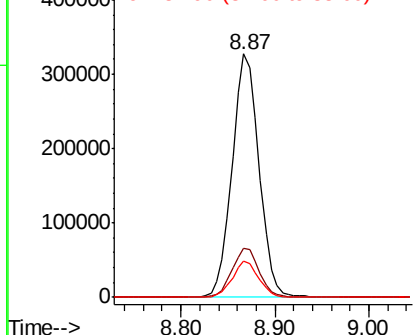
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064954.D
 Acq: 24 Jan 2020 20:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 651685
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.0
 88 14.8 0.0 29.4

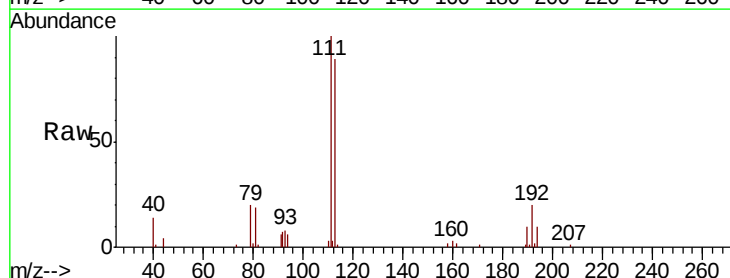


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

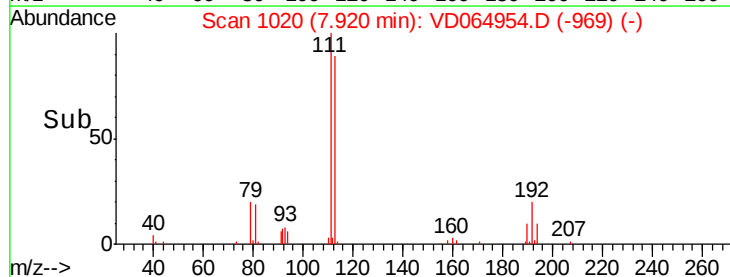
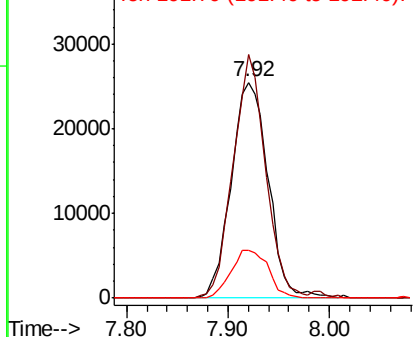


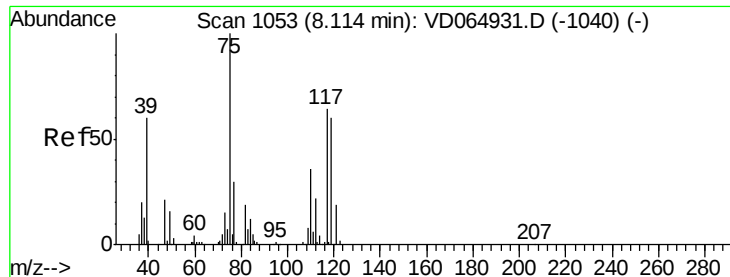
#35
 Dibromofluoromethane
 Concen: 15.747 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064954.D
 Acq: 24 Jan 2020 20:31

Tgt Ion:113 Resp: 64487
 Ion Ratio Lower Upper
 113 100
 111 99.2 82.4 123.6
 192 22.2 16.9 25.3



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: 4.665 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

Instrument :
MSVOA_D
ClientSampleId :

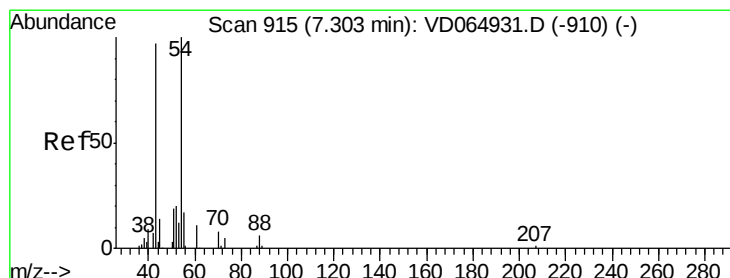
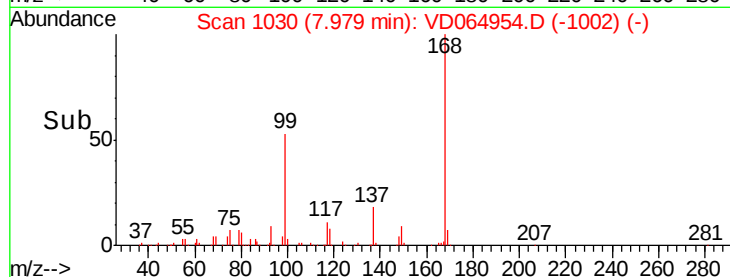
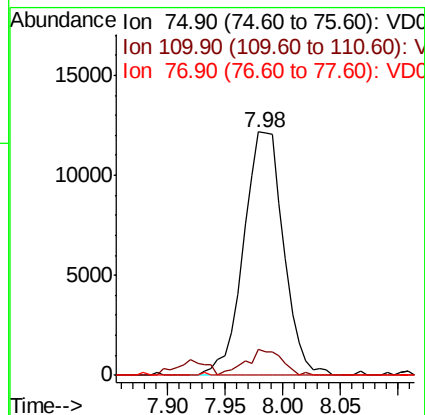
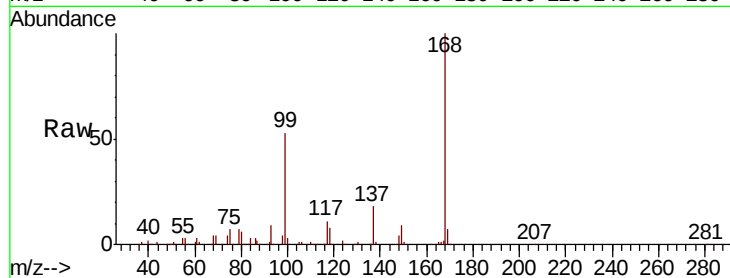
Tot Ion: 75 Resp: 29318

Ion Ratio Lower Upper

75 100

110 9.6 17.3 52.0#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.587 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.08 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

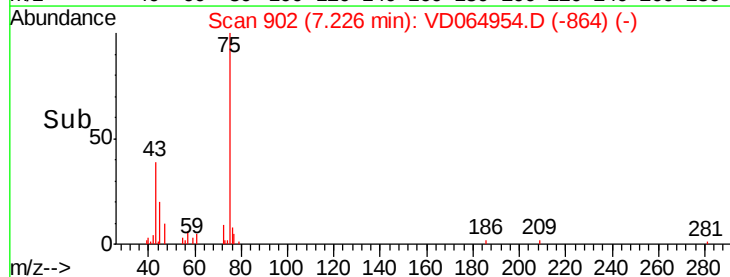
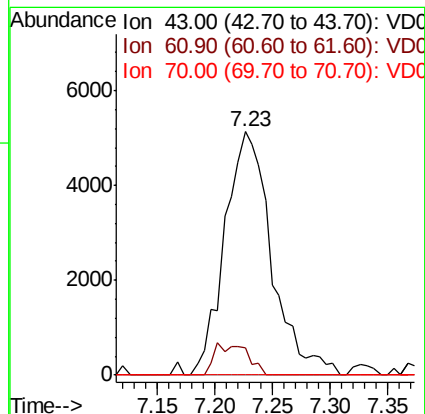
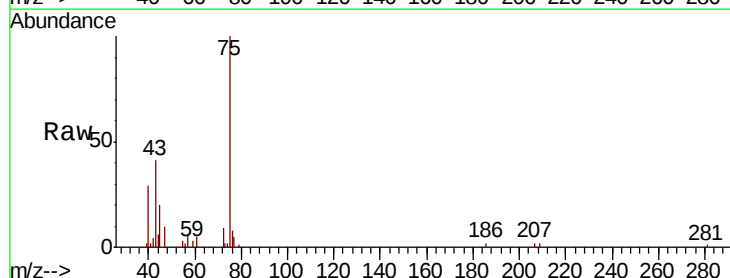
Tgt Ion: 43 Resp: 14502

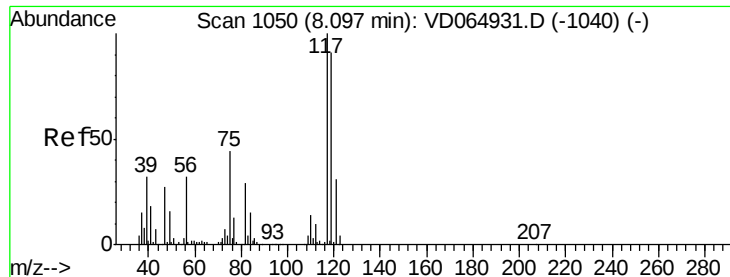
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 7.5 11.3#





#38

Carbon Tetrachloride

Concen: 5.808 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

Instrument :

MSVOA_D

ClientSampleId :

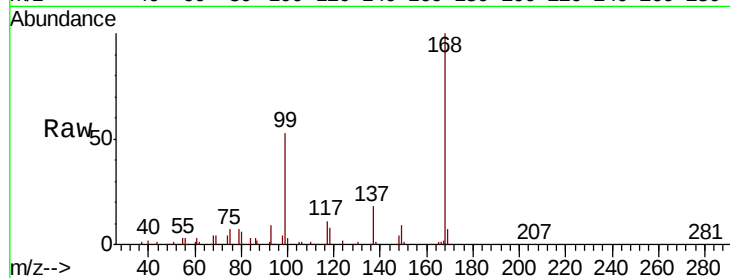
Tot Ion:117 Resp: 38579

Ion Ratio Lower Upper

117 100

119 4.4 73.2 109.8#

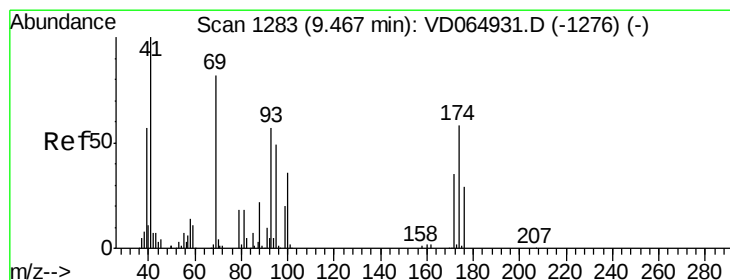
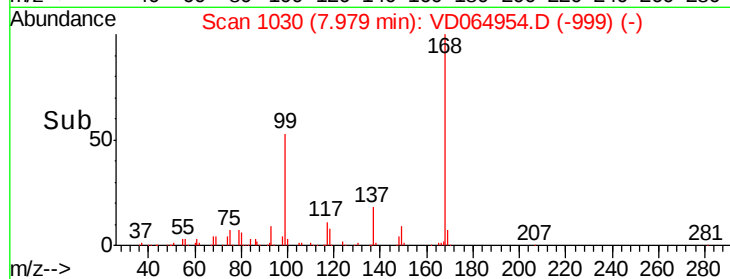
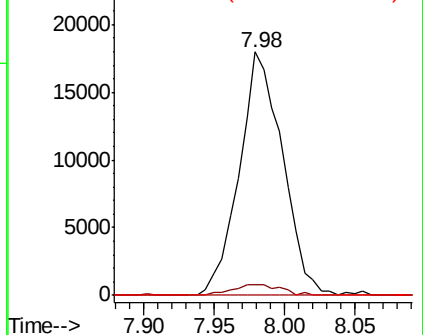
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 2.108 ug/l

RT: 9.24 min Scan# 1245

Delta R.T. -0.22 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

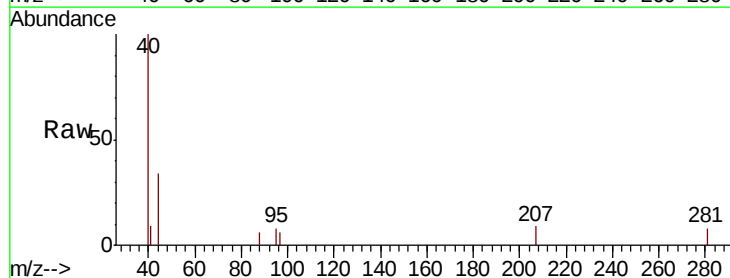
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 494.6 26.2 39.4#

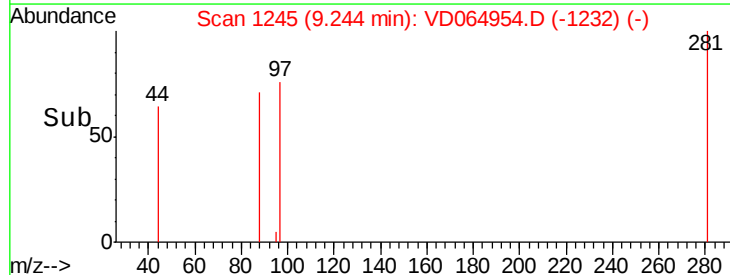
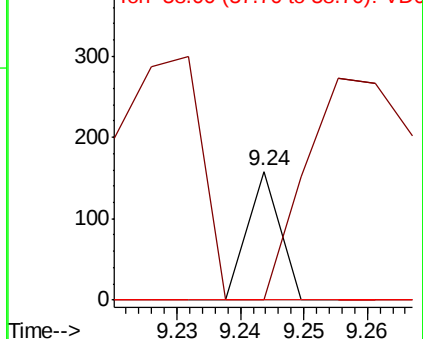
58 0.0 50.3 75.5#

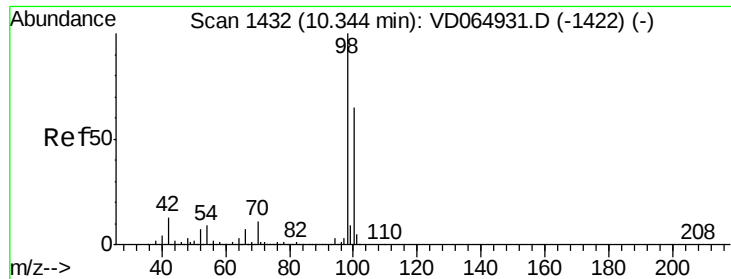


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 48.785 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

Instrument :

MSVOA_D

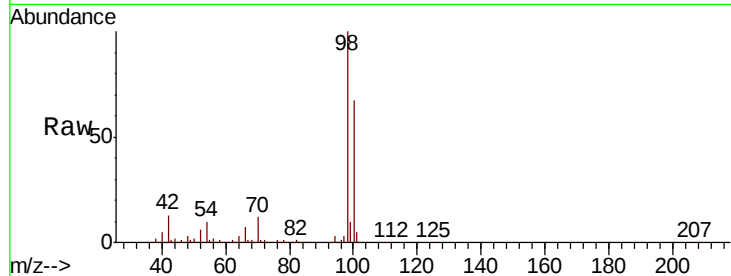
ClientSampleId :

Tot Ion: 98 Resp: 771104

Ion Ratio Lower Upper

98 100

100 65.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

400000

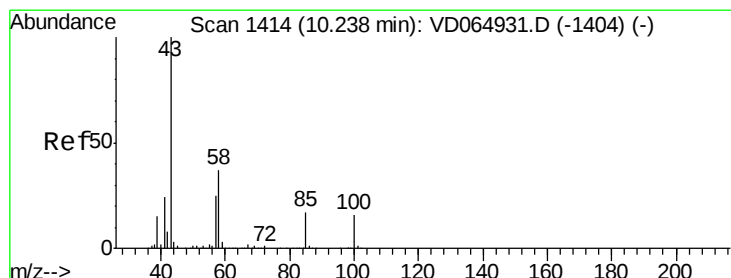
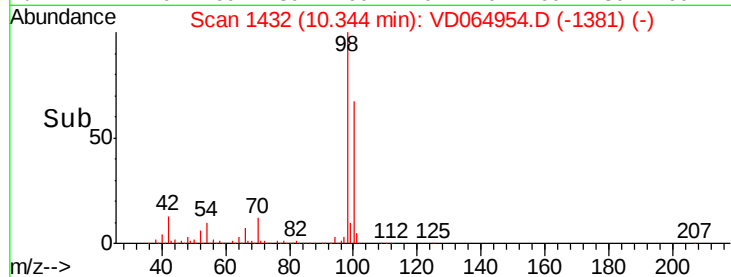
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#51

4-Methyl-2-Pentanone

Concen: 1.103 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064954.D

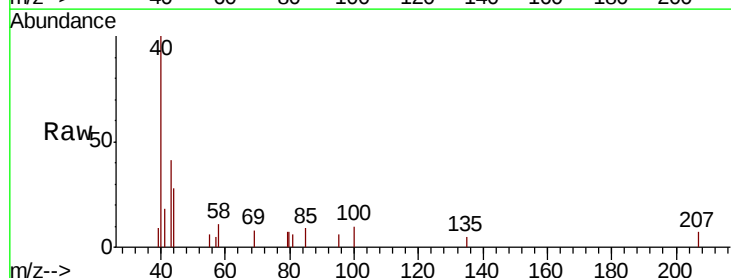
Acq: 24 Jan 2020 20:31

Tgt Ion: 43 Resp: 2722

Ion Ratio Lower Upper

43 100

58 29.4 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

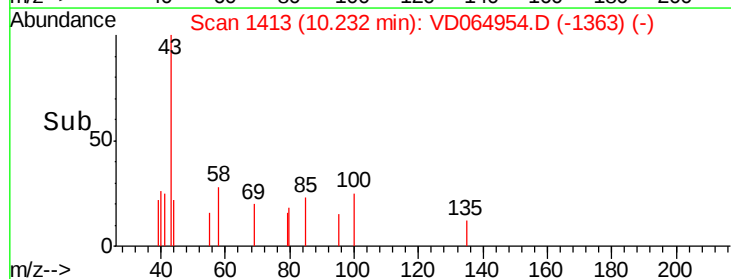
1500

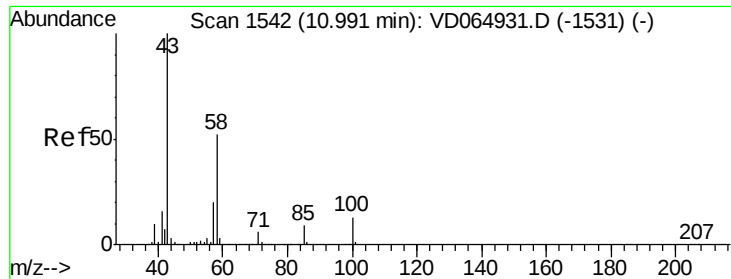
1000

500

0

Time--> 10.20 10.25

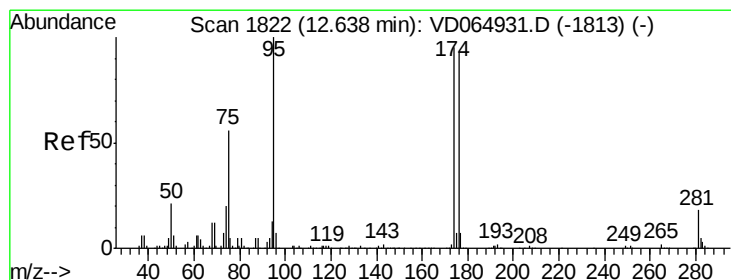
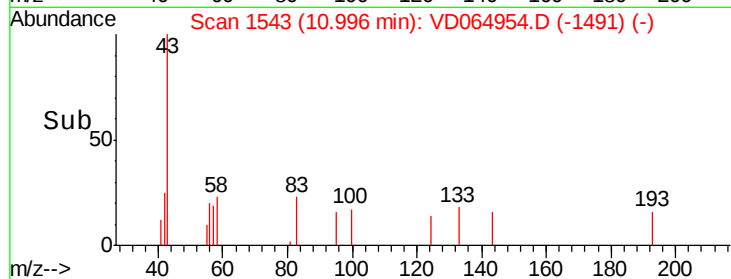
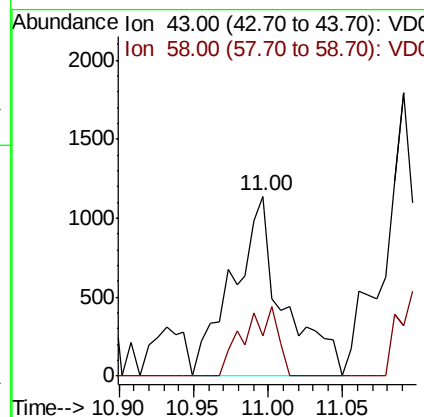
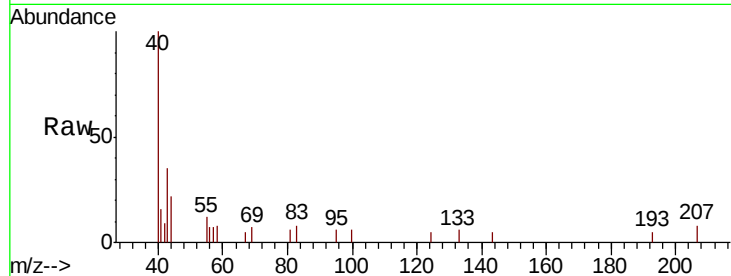




#59
2-Hexanone
Concen: 1.570 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. 0.01 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

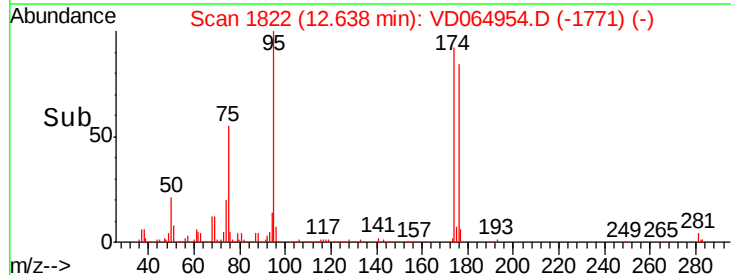
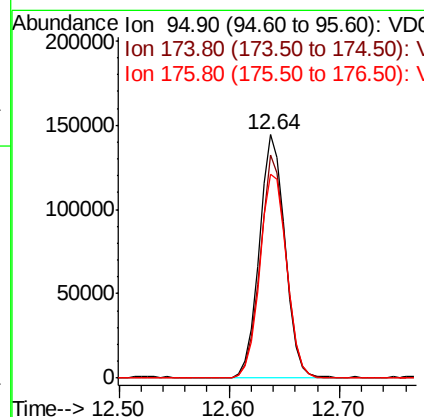
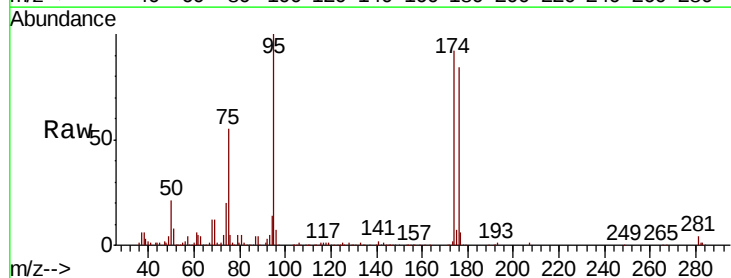
Instrument :
MSVOA_D
ClientSampled :

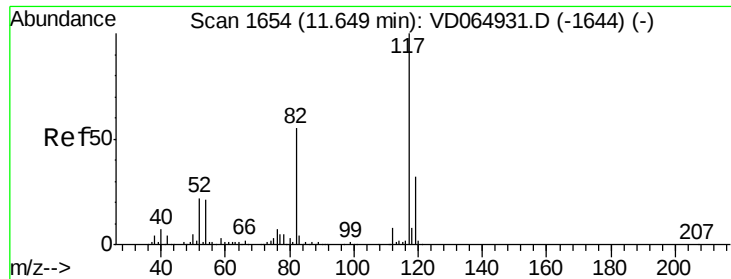
Tot Ion: 43 Resp: 2672
Ion Ratio Lower Upper
43 100
58 25.9 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 48.578 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

Tgt Ion: 95 Resp: 234974
Ion Ratio Lower Upper
95 100
174 91.8 0.0 186.8
176 88.0 0.0 183.4

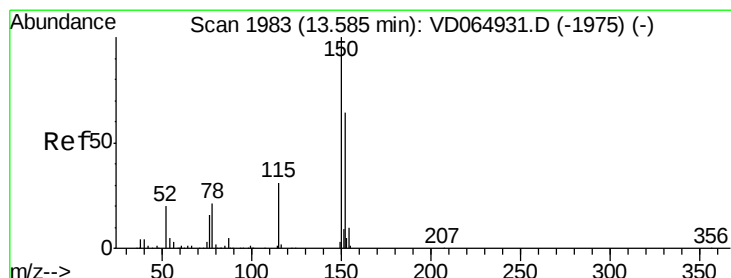
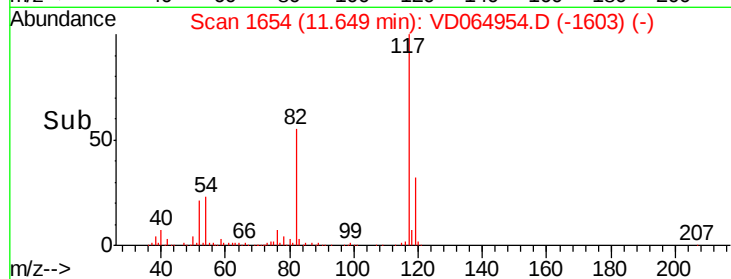
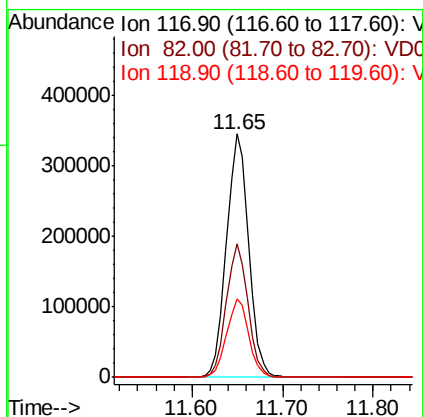
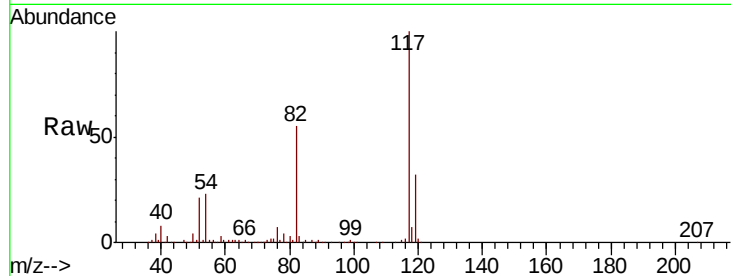




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

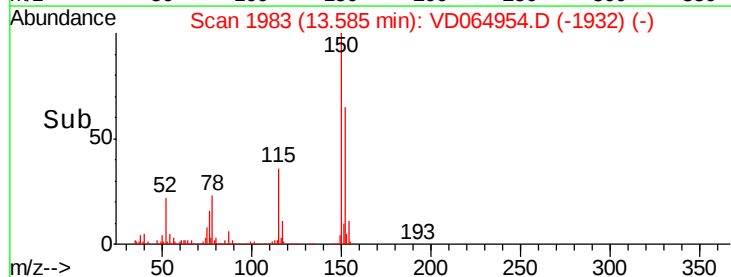
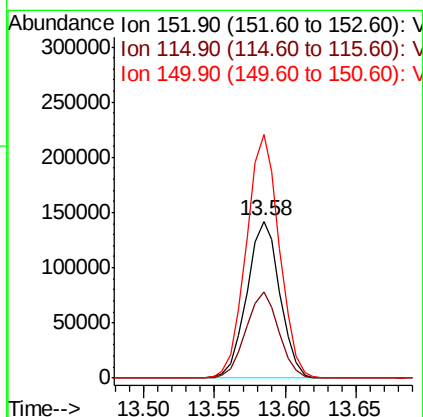
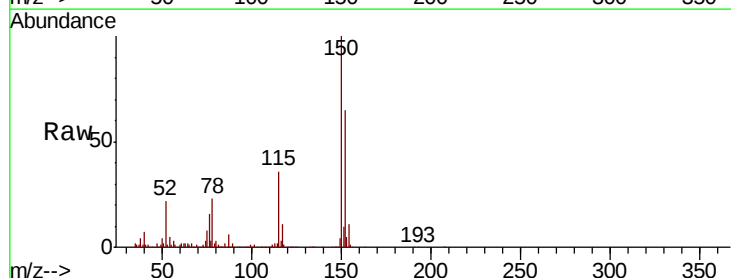
Instrument :
MSVOA_D
ClientSampleId :

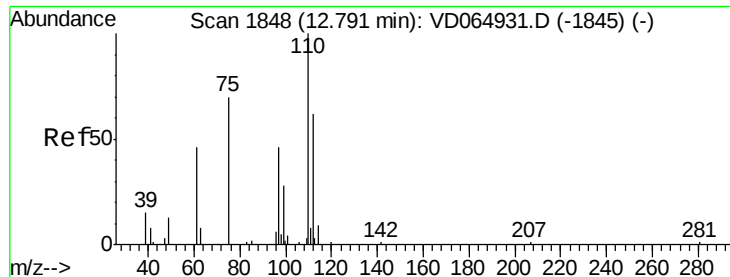
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	43.6	65.4
119	32.2	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064954.D
Acq: 24 Jan 2020 20:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.1	84.4
150	155.2	0.0	350.4





#76

1,2,3-Trichloropropane

Concen: 65.975 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

Instrument :

MSVOA_D

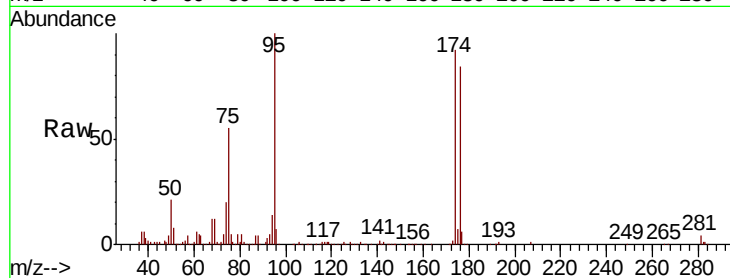
ClientSampleId :

Tot Ion: 75 Resp: 127404

Ion Ratio Lower Upper

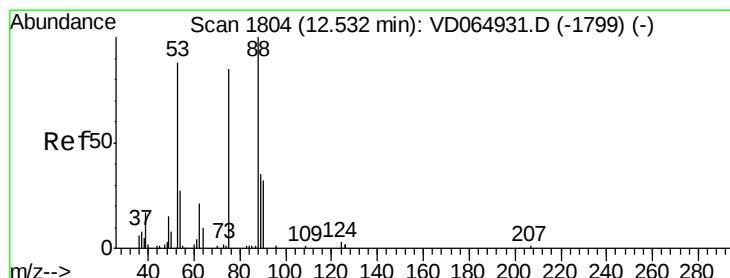
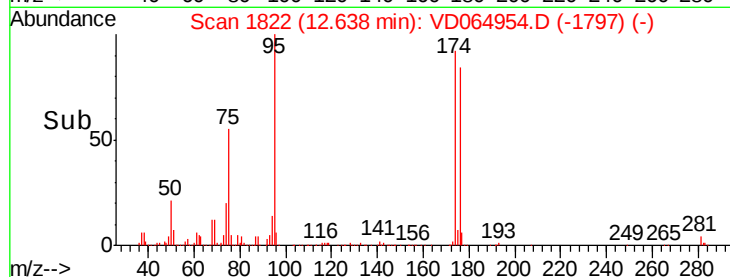
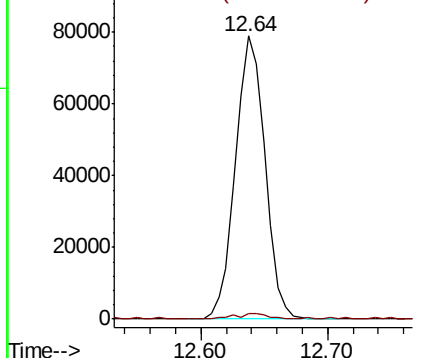
75 100

77 2.3 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: 140.873 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064954.D

Acq: 24 Jan 2020 20:31

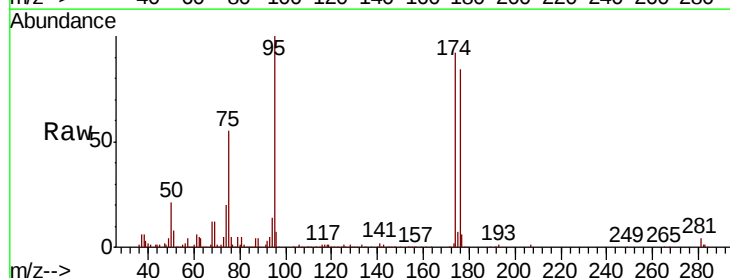
Tgt Ion: 75 Resp: 127404

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.4#

89 0.2 36.2 54.4#



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

